

COURT FILE NUMBER 1501-00681
COURT COURT OF QUEEN'S BENCH OF ALBERTA
JUDICIAL CENTRE CALGARY
PLAINTIFF HSBC BANK CANADA
DEFENDANTS CALMENA ENERGY SERVICES INC., CALMENA ENERGY HOLDINGS LTD., CALMENA ENERGY SERVICES OPERATING LIMITED PARTNERSHIP, 1414995 ALBERTA LTD., CALMENA ENERGY SERVICES USA CORP., CALMENA DRILLING SERVICES LLC, CALMENA ENERGY SERVICES US LP, BW SERVICES LUXEMBOURG SARL, BWES SERVICES DE MEXICO, S. DE R.L. DE C.V., PAM AMERICAN DRILLING S. DE R.L. DE C.V., CALMENA ENERGY SERVICES DE MEXICO, S. DE R.L. DE C.V., CALMEAN LUXEMBOURG HOLDING S.A.R.L.

DOCUMENT SECOND REPORT OF ERNST & YOUNG INC., IN ITS CAPACITY AS COURT-APPOINTED RECEIVER

September 28, 2015

ADDRESS FOR SERVICE AND
CONTACT INFORMATION OF
PARTY FILING THIS DOCUMENT

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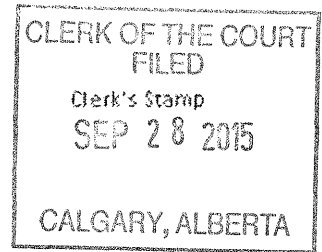


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INTRODUCTION

1. Ernst & Young Inc. was appointed as Receiver and Manager (the "Receiver") of the property, assets and undertakings (the "Property") of Calmena Energy Services Inc. ("CESI"), Calmena Energy Holdings Ltd. ("Calmena Holdings"), Calmena Energy Services Operating Limited Partnership ("Calmena LP"), 1414995 Alberta Ltd. ("141 AB"), Calmena Energy Services USA Corp. ("Calmena US Corp"), Calmena Drilling Services LLC ("Calmena Drilling Services"), Calmena Energy Services US LP ("Calmena US LP"), BW Services Luxembourg S.A.R.L. ("BW Luxembourg"), BWES Services Mexico, S. De R.L. De C.V. ("BWES Mexico"), Pan American Drilling S. De R.L. De C.V. ("PanAm Mexico"), Calmena Energy Services De Mexico S. De R.L. De C.V. ("CES Mexico"), Calmena Luxembourg Holding S.A.R.L. ("Luxembourg Holding") (collectively the "Calmena Group") pursuant to an Order (the "Receivership Order") of this Honourable Court dated January 20, 2015 (the "Appointment Date").
2. The Receivership Order authorized the Receiver, among other things, to carry on the business of Calmena, to sell, convey, transfer lease or assign the Property out of the normal course of business, subject to approval of this Honourable Court for any transactions exceeding \$500,000 or the aggregate of multiple transactions exceeding \$1,000,000, and to make such arrangements or agreements as deemed necessary by the Receiver.
3. On February 5, 2015, the Receiver filed a Petition for Recognition for CESI, Calmena Drilling Services, Calmena Drilling Services US LP, and Calmena US Corp under Chapter 15 of the United States Bankruptcy Code in United States Bankruptcy Court for the Southern District of Texas ("US Court") in Case No. 15-30786 (the "Chapter 15 Proceedings"). On March 5, 2015, the US Court entered an Order Granting Receiver's Petition for Recognition as a Foreign Main Proceeding and recognizing the Receiver as the Foreign Representative.
4. The Receivership Order erroneously identified one of the Calmena Group as being "Calmena Energy Services US LP", when in fact the correct entity name is "Calmena Drilling Services US LP", the latter of which was recognized in the Chapter 15 Proceedings. The Receiver obtained a Court Order to correct this error.
5. CES Mexico, BWES Mexico, BW HR Pro. S. De R.L. de C.V. ("BW HR") and Pan Am Drilling collectively are "Calmena Mexico"; and BW Luxembourg and Luxembourg Holding together are "Calmena Luxembourg".

6. The Receiver has been advised by its local legal counsel in both Mexico and Luxembourg that in both jurisdictions formal insolvency proceedings with respect to both Calmena Mexico and Calmena Luxembourg will be difficult and involve considerable delay and expense. Despite having been unable to take direct control of the assets and operations of the Calmena Mexico and Calmena Luxembourg entities, the Receiver has had the co-operation of the directors of these companies and has been able to effectively control their operations since the Appointment Date.
7. Given the expense of obtaining foreign recognition in Luxembourg and Mexico, the Receiver concluded that the cost of doing so outweighed any perceived benefits. As a result, the Receiver sought and obtained a court order on February 9, 2015 amending the Receivership Order by removing Calmena Mexico, with the exception of BW HR as it was never subject to the Receivership Order, and Calmena Luxembourg from the definition of the "Debtors" within the Receivership Order, *nunc pro tunc*. The Calmena Group's senior secured creditor, HSBC Bank Canada ("HSBC") consented to this Order.
8. The Receiver expects to be able to effect an orderly disposition of the business, assets and operations of both Calmena Mexico and Calmena Luxembourg by virtue of its control of the parent company, CESI, and as a result of the co-operation extended by the directors of Calmena Mexico and Calmena Luxembourg.
9. The purpose of this second report (the "Second Report") of the Receiver is to provide this Honourable Court with the Receiver's comments and information in respect of the following:
 - a) a description of the results of the sales process undertaken to sell Calmena Mexico including the conventional drilling rigs (the "Drilling Rigs") owned by BW Luxembourg (the "Calmena Mexico Sales Process");
 - b) a description of the asset purchase agreement ("GPA APA") between BW Luxembourg and GPA Energy, S.A. de C.V. ("GPA") for the sale of a conventional drilling located in Mexico and associated equipment ("Rig 737") owned by BW Luxembourg. The sale of Rig 737 pursuant to the GPA APA closed on September 4, 2015 and the Receiver is holding the purchase proceeds in its receivership account;
 - c) a description of a proposed transaction with Simmons Edeco Limited and certain of its subsidiaries (the "Simmons' Transaction") comprising of three asset purchase agreements

(collectively the "Simmons' APAs") to sell a drilling rig located in Texas, Houston ("Rig 837"), four drilling rigs in Mexico (the "Mexico Drilling Rigs"), an active drilling contract in Mexico (the "Drilling Contract") and two agreements to sell vehicles in Mexico (the "Vehicle Sales Agreements"); and

d) the Receiver's recommendations.

TERMS OF REFERENCE

10. Capitalized terms not defined in this Second Report are as defined in the Receivership Order.
11. All references to dollars are in Canadian currency unless otherwise noted.

BACKGROUND

12. The Calmena Group is an international oilfield services company with operational entities providing well bore construction services and both conventional and directional drilling.
13. As at the Appointment Date, the Calmena Group was operating in the following countries:
 - a) Mexico - A conventional drilling business in Mexico with five conventional drilling rigs in Mexico and a conventional drilling rig located in Houston, Texas. Calmena's Mexico business had three active contracts and 120 employees (114 in Mexico, 4 in the United States and 2 in Canada). The Mexico Drilling Rigs are owned by BW Luxembourg and leased to CES Mexico;
 - b) United States - A directional drilling business in the United States with locations in Oklahoma City, Oklahoma and Conroe, Texas. Calmena had one active contract and 26 employees in the United States. The Directional Assets in the United States are owned by Calmena Drilling Services and Luxembourg Holding; and
 - c) Libya - A drilling business in Libya with two conventional drilling rigs. Calmena's drilling contracts in Libya had been suspended in April 2014. Calmena Libya's employees consisted of two employees in Libya and eight employees in Libya.
14. For additional background on Calmena, please refer to the Receiver's website, www.ey.com/ca/calmena.

SALES PROCESS - CALMENA MEXICO

15. Calmena Mexico's property (excluding working capital) as at the commencement of the sales process consisted of the following:
- a) intangible assets including three active drilling contracts (as of the date of this report there is currently one active drilling contract), and employments contracts; and
 - b) tangible assets primarily consisting of six conventional drilling rigs owned by BW Luxembourg as follows:

Calmena Mexico - List of Drilling Rigs		Table 1
Calmena Rig #	Description	Location
736	Dreco - Triple Top Drive Diesel Electric	Poza Rica, Mexico
737	Cassady - Triple Top Drive Diesel Electric	Monclova, Mexico
738	Cassady - Triple Top Drive Diesel Electric	Poza Rica, Mexico
835	MD Cowan - Single Top Drive	Poza Rica, Mexico
836	MD Cowan - Single Top Drive	Poza Rica, Mexico
837	MD Cowan - Single Top Drive	Houton, Texas

16. The Receiver coordinated a sales process for Calmena Mexico on March 13, 2015 and binding letters of intent to acquire Calmena Mexico were due on June 1, 2015.
17. Calmena Mexico and the Receiver undertook the following steps to facilitate the sale of Calmena Mexico:
- d) placed advertisements regarding the acquisition opportunity in *The Daily Oil Bulletin* (March 16th, March 23rd and March 30th publications) and *Upstream Magazine* (March 20th and March 27th publications);
 - e) contacted via phone call(s) and/or e-mail 72 parties that the Receiver identified as potentially being interested in acquiring Calmena Mexico as the party had already contacted the Receiver or Calmena expressing interest, or that Calmena Mexico and the Receiver identified as being involved in the oil and gas drilling business or investing in oilfield service companies through internal calls and a search of *CapitalIQ*;

- f) prepared and sent out a Mexico Teaser, attached hereto as Appendix A, describing the opportunity to purchase Calmena Mexico. The Mexico Teaser was sent to 61 potential purchasers;
- g) since Calmena Mexico was being sold as a going concern business, the Receiver required interested parties to execute a confidentiality agreement (the "CA"). 15 interested parties executed a CA;
- h) prepared and sent out a confidential information memorandum (the "Mexico CIM") describing the opportunity to purchase Calmena Mexico. The Mexico CIM was sent out to 15 interested parties;
- i) populated and gave 15 interested parties access to a virtual data room to facilitate due diligence;
- j) subsequently followed up via phone call(s) and/or e-mail with 54 potential purchasers;
- k) sent a letter (the "Process Letter") during the week of April 10, 2015 to all parties that had expressed interest in Calmena Mexico describing the process to submit an offer for Calmena Mexico. The Process Letter was sent to 12 interested parties;
- l) responded to numerous queries with respect of Calmena Mexico and the sales process from interested parties;
- m) coordinated rig tours of Rig 837 (located in Houston, TX) to two interested parties;
- n) conducted Calmena Mexico management presentations via videoconference with three interested parties. Kevin Wallgren (Global Operations Manager), Alexander Moya (Operations Manager), Daniel Salazar (HR Manager) and John King (former CEO) were all in attendance on behalf of various Calmena entities involved in the sale process;
- o) arranged a follow up management presentation with one interested party;
- p) at the May 8, 2015 bid deadline, received four non-binding LOI's (three *en bloc* offers and one single rig offer);
- q) accepted all parties that submitted non-binding letters of intent as qualified purchasers in order to allow them to perform further due diligence;

- r) coordinated site visits for the three parties that submitted *en bloc* offers to inspect the Calmena Rigs located in Houston, TX and Poza Rica, Mexico; and
 - s) at the June 1, 2015 bid deadline, received four binding letters of intent (three *en bloc* offers and one single rig offer).
- 18. In addition to the above sales process, the Receiver also solicited auction proposals from eight reputable auctioneers. The Receiver was provided auction proposals from two of these auction companies.
- 19. Based on the offers noted above, the Receiver accepted the following offers:
 - a) the offer by GPA of US\$3,501,000, less 16% transfer tax in Mexico, for Rig 737 and associated equipment; and
 - b) the offer by Simmons for US\$3,500,000, less 16% transfer tax on the property located in Mexico, for the Mexico Rigs, Rig 837 in Houston, Texas, miscellaneous tangible assets of Calmena Mexico and the assignment of the Drilling Contract from CES Mexico to Simmons Mexico.
- 20. The Receiver consulted with HSBC, the Calmena Group's senior secured creditor, prior to the acceptance of the above offers and HSBC consented to the acceptance of the offer from GPA and Simmons as described above. As at the Appointment Date, the Receiver understands that HSBC was owed in excess of \$16.0 million.
- 21. Alpine Capital Corp. ("Alpine") is the Calmena Group's second secured creditor. The Receiver understands that Alpine was owed approximately \$10.6 million as at the Appointment Date. Pursuant to an Inter-Lender Agreement dated September 24, 2012, Alpine agreed to subordinate its interests to HSBC.
- 22. Acceptance of the above offers will result in a recovery of US\$6.17 million to the Receivership, less outstanding property taxes in Texas that the Receiver understands from its US legal counsel attaches to business property in Texas. The Receiver is in the process of assessing the outstanding property tax liability and will be investigating what relief is available to reduce the historical property tax liabilities based upon the fair market value of the assets being sold as compared to the value used to calculate historical property taxes.

23. The Receiver has commenced a claims process in the United States in order to permit municipal and state taxing authorities to file claims in the US bankruptcy proceedings.
24. In the Receiver's view, acceptance of these offers represents the maximum recovery available to the Calmena Group estate based upon the offers received.

GPA APA

25. The Receiver, BW Luxembourg and GPA negotiated the GPA APA. A copy of the GPA APA is attached as Appendix B.
26. The material terms of the GPA APA include:
 - a) the purchase price is US\$3,501,000, less 16% transfer tax in Mexico, for Rig 737 and associated equipment; and
 - b) the sale of Rig 737 and associated equipment is on an "as is, where is" basis.

Director and Shareholder Resolution - BW Luxembourg

27. BW Luxembourg is not subject to the Receivership Order; however, the Receiver controls 100% of the common shares of BW Luxembourg through the receivership of its parent corporation, Calmena Holdings. The Receiver has executed a shareholder resolution (the "Shareholder Resolution - GPA APA") authorizing BW Luxembourg to enter into the GPA APA. A copy of the Shareholder Resolution - GPA APA is attached hereto as Appendix C.
28. The sole director of BW Luxembourg also executed a director resolution (the "Director Resolution - GPA APA") authorizing BW Luxembourg to enter into the GPA APA. A copy of the Director Resolution - GPA APA is attached hereto as Appendix D.

Closing of Sale of Rig 737

29. The sale of Rig 737 pursuant to the GPA APA closed on September 4, 2015 and the Receiver is holding the purchase proceeds in its Receivership account. The sale of Rig 737 was not subject to court approval as Rig 737 was owned by BW Luxembourg, an entity outside of these formal insolvency proceedings as described above.

SIMMONS' TRANSACTION

30. The Simmons' Transaction encompasses the Simmons' APAs and Vehicle Sales Agreements as follows:
- i. the asset purchase agreement entered into between BW Luxembourg and SE Rig Equipment Company S.A De C.V. ("SE Rig") for the sale of Mexico Drilling Rigs and associated equipment owned by BW Luxembourg (the "Mexico Rigs APA"). The Mexico Rigs APA is attached hereto as Appendix E;
 - ii. the asset purchase agreement entered into between BW Luxembourg and Simmons Edeco Inc. ("Simmons Inc.") for the sale of Rig 837 located in Houston, Texas and associated equipment owned by BW Luxembourg (the "Rig 837 APA"). The Rig 837 APA is attached hereto as Appendix F;
 - iii. the asset purchase agreement entered into between CES Mexico and Simmons Edeco Mexico, S.A. de C.V. ("Simmons Mexico") for the assignment of a Drilling Contract being actively performed by CES Mexico (the "Drilling Contract APA"). The Drilling Contract APA is attached hereto as Appendix G; and
 - iv. the agreements for the sale of vehicles from CES Mexico to Simmons Mexico (the "CES Mexico Vehicle Sales Agreement") and BW HR to Simmons Mexico (the "BW HR Vehicle Sales Agreement"). The CES Mexico Vehicle Sales Agreement is attached hereto as Appendix L and the BW HR Vehicle Sales Agreement is attached hereto as Appendix M.
31. The material terms of the Simmons' Transaction include:
- a) the aggregate purchase price is US\$3,500,000, less 16% transfer tax on the property located in Mexico, for Rig 837, the Mexico Rigs, the Drilling Contract and certain miscellaneous equipment including vehicles owned by CES Mexico and BW HR being acquired by the Simmons Purchasers;
 - b) the sale of the equipment is on an "as is, where is" basis;

- c) property taxes attaching to Rig 837 in Texas shall be apportioned on an accrual basis between BW Luxembourg and Simmons and a statement of adjustments shall be completed no later than 30 days after closing;
- d) under the Mexico Rigs APA, SE Rig will holdback the amount of US\$300,000 from the purchase price (the "Holdback") for a period of six months following closing to cover certain claims in respect of breaches of the vendor's representations and warranties per the Mexico Rigs APA, and potential claims on the Mexico Rigs from the Mexican tax authorities, or certain claims that prevent Simmons from using the Mexico Rigs;
- e) under the Texas Rig APA, the Receiver is holding a US\$1,000,000 deposit from Simmons. The deposit is subject to the approval of this Honourable Court of the Simmons APAs and shall be applied as consideration against the purchase price under the Texas Rig APA;
- f) with respect to the purchase of the Drilling Contract:
 - i. Simmons Mexico has agreed to indemnify Calmena Mexico for certain losses and liabilities arising during its conduct of the drilling operations under that agreement from September 1, 2015 to closing, which indemnity shall survive for a period of 6 months following closing; and
 - ii. closing of the Drilling Contract APA is conditional upon execution of an Assignment Agreement by CES Mexico, Simmons Mexico, and Petrohuasteca Oil Services, S.A.P.I. de C.V., assigning Calmena Mexico's interest in the Drilling Contract to Simmons Mexico pursuant to Mexican law;
- g) the obligations of each of SE Rig and Simmons Mexico, under the respective Simmons APAs have been guaranteed by the Simmons' purchasers' parent company, Simmons Inc., as referenced in the parental guarantees (the "Simmons' Parental Guarantees"). The Simmons' Parental Guarantees are collectively attached hereto as Appendix P;
- h) the completion of the Simmons Transaction is conditional upon execution of each of the three Simmons APAs, such that if one Simmons APA does not close, the remaining Simmons APAs will not close. This requirement is as set forth in the Closing Conditions Agreement. The Closing Conditions Agreement is attached hereto as Appendix Q; and

- i) the closing date is scheduled to be no later than September 30, 2015 or such other date as may be agreed to by the Receiver and Simmons.

Director and Shareholder Resolution - BW Luxembourg

- 32. BW Luxembourg is not subject to the Receivership Order; however, the Receiver controls 100% of the common shares of BW Luxembourg through the receivership of its parent corporation, Calmena Holdings. The Receiver has executed a shareholder resolution (the "Shareholder Resolution - Mexico Rigs APA and Rig 837 APA") authorizing BW Luxembourg to enter into the Mexico Rigs APA and Rig 837 APA. A copy of the form of Shareholder Resolution is attached hereto as Appendix H.
- 33. The sole director of BW Luxembourg also executed a director resolution (the "Director Resolution - Mexico Rigs APA and Rig 837 APA") authorizing BW Luxembourg to enter into the Mexico Rigs APA and Rig 837 APA. A copy of the Director Resolution - Mexico Rigs APA and Rig 837 APA is attached hereto as Appendix I.

Director and Shareholder Resolution - CES Mexico

- 34. CES Mexico is not subject to the Receivership Order however the Receiver controls 100% of the common shares of CES Mexico through the receivership of its parent corporation, 141 AB. The Receiver has executed a shareholder resolution (the "Shareholder Resolution - Drilling Contract APA and CES Mexico Vehicle Agreement") authorizing CES Mexico to enter into the Drilling Contract APA and the CES Mexico Vehicle Sales Agreement. A copy of the Shareholder Resolution - Drilling Contract APA and CES Mexico Vehicle Sales Agreement is attached hereto as Appendix J.
- 35. The sole director of CES Mexico also executed a director resolution (the "Director Resolution - Drilling Contract APA and CES Mexico Vehicle Agreement") authorizing CES Mexico to enter into the Drilling Contract APA and the CES Mexico Vehicle Sales Agreement. A copy of the Director Resolution - Drilling Contract APA and CES Mexico Vehicle Sales Agreement is attached hereto as Appendix K.

Director and Shareholder Resolution - BW HR

- 36. BW HR is not subject to the Receivership Order and is owned by BWES Mexico. The Receiver controls 100% of the common shares of BWES HR through the receivership of its parent

company, 141 AB. The sole director of BWES Mexico and the Receiver have executed a shareholder resolution (the "Shareholder Resolution - BW HR Mexico Vehicle Agreement") authorizing BW HR to enter into the BW HR Mexico Vehicle Agreement. A copy of the Shareholder Resolution - BW HR Vehicle Agreement is attached hereto as Appendix N.

37. The sole director of BW HR also executed a director resolution (the "Director Resolution - BW HR Vehicle Agreement") authorizing BW HR to enter into the BW HR Vehicle Sales Agreement. A copy of the Director Resolution - BW HR Vehicle Agreement is attached hereto as Appendix O.

RECOMMENDATIONS

38. The Receiver has undertaken a broad and extensive marketing process which attracted competitive bids. The Receiver is of the view that the transaction contemplated under the proposed asset purchase agreements represents the highest and best offer for the property.
39. The Receiver recommends that this Honourable Court approve:
- a) the Simmons' APAs; and
 - b) the Vehicle Sales Agreements.

All of which is respectfully submitted this 28th day of September, 2015.

ERNST & YOUNG INC.
in its capacity as Court Appointed
Receiver of the Calmena Group



Neil Narfason, CA, CIRP, CBV
Senior Vice-President

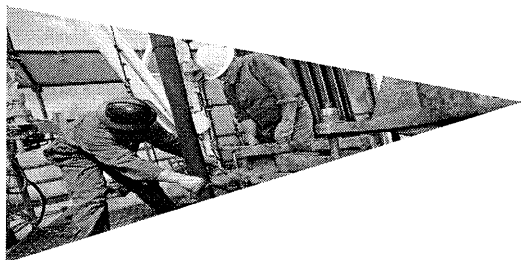


Peter Chisholm, CA, CIRP
Vice-President

A

Solicitation Process Information Package

March 2015



Calmena Energy Services Inc. *Mexico Operations*

Investment Opportunity

Calmena Energy Services Inc. ("Calmena" or the "Company") is a diversified energy services company, providing well bore construction services utilizing their technology based Contract Drilling fleet and Directional Drilling services. The Company was formerly known as BlackWatch Energy Services Corp. and changed its name to Calmena Energy Services Inc. in June 2010. Ernst & Young Inc. ("EY") is marketing Calmena's Mexico operations including without limitation, six drilling rigs, administrative and field employees, and active contracts (collectively, the "Mexico Operations" or the "Business"). The Business has a proven track record in Mexico, an experienced crew and management team, active drilling contracts, and extensive experience drilling in Chicontepec, the North (Burgos) and the South (Villahermosa).

The Mexico Operations are indirectly owned by Calmena Energy Services Inc. Calmena and certain subsidiaries of the Company were placed into receivership on January 20, 2015 by Order of the Court of Queen's Bench of Alberta, Canada. Calmena's Mexico Operations and the holding company that owns the drilling rigs have been excluded from the Canadian receivership proceedings and are continuing to operate business as usual. Ernst & Young Inc. in its capacity as receiver of Calmena has been tasked with realizing upon the business units.

Business Overview

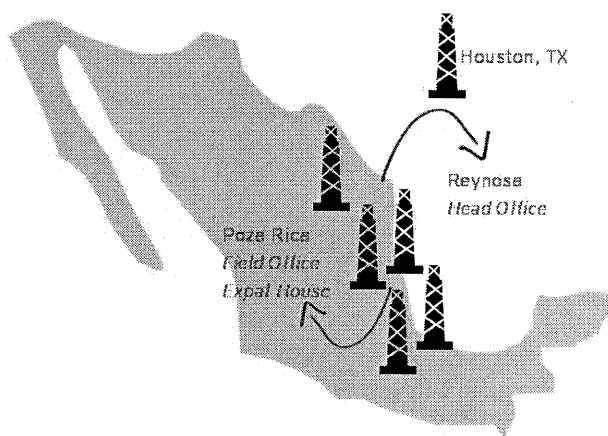
The Mexico Operations consist of the following:

- Five drilling rigs located in Mexico;
- One drilling rig located in Houston, TX;
- Secured contracts in place for three drilling rigs in Mexico; and
- All administrative employees and field contractors.

The Business performs contract drilling services for international oilfield service companies such as Halliburton, Baker Hughes, Weatherford, GPA Energy and Petrohuasteca who are contracted by Petroleos Mexicanos ("Pemex"). Currently there are three drilling contracts in place, each with possible extensions to their current term.

Key Assets and Operations

Rig	Location	Comments
736	Poza Rica	Dreco - Triple Top Drive Diesel Electric
737	Monclova, Mexico	Cassady - Triple Diesel Electric (Kelly Rig)
738	Hummaga, Mexico	Cassady - Triple Top Drive Diesel Electric (Walking System)
835	Poza Rica (Agua Fria), Mexico	MD Cowan - Single Top Drive
836	Poza Rica (Agua Fria), Mexico	MD Cowan - Single Top Drive
837	Houston, TX	MD Cowan - Single Top Drive



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Financial Information

Further financial information will be provided in the Confidential Information Memorandum ("CIM") and the data room for those parties that have executed a confidentiality agreement ("CA").

*Revenue days includes operating, standby, repair, and rig move days.

CAD (\$000's)	2011	2012	2013	2014	2015F
Total Revenue Days*	1,086	1,613	730	237	461
Revenue	20,161	31,960	17,910	6,059	12,404
Gross Margin	8,860	16,888	8,473	2,069	5,626
Gross Margin %	43.9%	52.8%	47.3%	34.1%	45.4%
Net Income (loss)	2,743	9,588	1,336	(16,111)	1,740
Normalized EBITDA	5,516	12,673	4,665	(516)	2,997

Investment Highlights



Project Managers and Employees with a Proven Track Record in Mexico

- ▶ Due to the long history of Calmena in Mexico, the Company has built an experienced crew and management team that have been working with Calmena for over 5 years and with several of the rigs for up to 15 years. This team ensures that all project requirements are met on time and performed safely and efficiently.
- ▶ The Business has drilled for a number of customers in Mexico including Halliburton, Weatherford, Baker Hughes, GPA Energy and Altamira.
- ▶ The experienced crew has resulted in more efficient operations and eliminated non-productive time ("NPT") in their operations. Historically, NPT has always been under 2%.
- ▶ Calmena has generated more than 500 direct jobs in Mexico and approximately 90% of their workforce are for local employees.



Proven, Market Leading Asset Base

- ▶ It is the Company's practice to always employ fit-for-purpose, reliable equipment that utilizes the latest technologies.
- ▶ The Business drilled more than 160 wells, multiple profiles, with depths reaching up to 3,650 meters between 2009 and 2014.
- ▶ Calmena is an approved sub-contractor by Pemex, allowing them to contract directly with any oilfield service company operating in the country.
- ▶ All of the drilling rigs are approved by Pemex for 1000HP operations.



Significant Growth Opportunities in Mexico

- ▶ The recent energy reform in Mexico has opened up the country to the possibility of private and foreign investment.
- ▶ One of Calmena's area of expertise is Chicontepec, where there are 90 blocks that were not retained by Pemex as part of the energy reform. These blocks, along with others, will be up for bidding processes. Though Pemex will be able to compete in the bidding process with qualified E&P companies, there is a low likelihood that they will continue to be involved in the exploration and drilling of these blocks. As a result, the delays in project timelines are projected to decrease substantially.

Next Steps

Prospective bidders interested in this opportunity are asked to sign a CA (attached to this information package) and return the executed version to EY along with the following information (collectively, the "Access Information"):

- (i) name of individual(s) to receive information;
- (ii) name of company;
- (iii) email address; and,
- (iv) phone number.

Upon receipt of the executed CA and Access Information, the bidder may receive the CIM and access to the virtual data room. Prospective Bidders should direct all inquiries to EY who will arrange all appropriate due diligence contacts. Potential bidders are requested not to contact Calmena or any of its former employees or consultants. The Company will consider qualified bids and any transaction involving the sale of the Company.

Potential bidders are requested to direct all inquiries to one of the persons listed below.

Neil Narfason
Senior Vice President
(403) 206-5067
neil.narfason@ca.ey.com

Pete Chisholm
Vice President
(403) 206-5061
peter.chisholm@ca.ey.com

Dylan Murray
Senior
(403) 206-5646
dylan.murray@ca.ey.com

Alixandra Paris
Associate
(403) 206-5228
alixandra.e.paris@ca.ey.com

B

ASSET PURCHASE AGREEMENT dated August 26, 2015

BETWEEN:

BW SERVICES LUXEMBOURG S.À.R.L., a private limited liability company (*société à responsabilité limitée*) incorporated and existing under the laws of Luxembourg with its registered office at 63, rue de Rollingergrund, L-2440 Luxembourg, represented hereby through its sole manager, Ms. Marjorie Allo (the "**Vendor**")

- and -

GPA ENERGY S.A. DE C.V. GPA ENERGY S.A. DE C.V. a corporation incorporated and subsisting under the laws of Mexico, with domicile in Blvd. Harold R Pape 805, Colonia Guadalupe, Zip Code no. 25750, Monclova, Coahuila, Mexico represented hereby through its attorney-in fact, Mr. Emilio Osorio Díaz (the "**Purchaser**") (the "**Purchaser**")

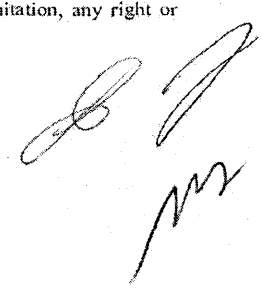
IN CONSIDERATION of the mutual covenants and agreements contained herein, and for other good and valuable consideration, the receipt and sufficiency of which are acknowledged by each Party to the other, the Parties agree as follows:

**ARTICLE 1
INTERPRETATION**

1.1 Definitions

In this Agreement:

- (a) "**Affiliate**" means, with respect to any person, any other person or group of persons acting in concert, directly or indirectly, that controls, is controlled by or is under common control with such person. The term "control" as used in the preceding sentence means the possession, directly or indirectly, of the power to direct or cause the direction of the management or policies of a person whether through ownership of more than 50% of the voting securities of such person, through being the general partner or trustee of the other person, or through contract or otherwise;
- (b) "**Agreement**" means this asset purchase agreement;
- (c) "**Business Day**" means a day other than a Saturday, Sunday or any other day on which the principal chartered banks located in Mexico, Federal District Monclova, Coahuila, Mexico are not open for the transaction of domestic business during normal banking hours;
- (d) "**Claim**" means any right or claim of any person that may be asserted or made in whole or in part against the Vendor or any of its Affiliates and their respective directors, officers, employees, agents or advisors, whether or not asserted or made, in connection with any indebtedness, liability or obligation of any kind whatsoever, and any interest accrued thereon or costs payable in respect thereof, including without limitation, by reason of the commission of a tort (intentional or unintentional), by reason of any breach of contract or other agreement (oral or written), by reason of any breach of duty (including, without limitation, any legal, statutory, equitable or fiduciary duty) or by reason of any right of ownership of or title to property or assets or right to a trust or deemed trust (statutory, express, implied, resulting, constructive or otherwise), and whether or not any indebtedness, liability or obligation is reduced to judgment, liquidated, unliquidated, fixed, contingent, matured, unmatured, disputed, undisputed, legal, equitable, secured, unsecured, present or future, known or unknown, by guarantee, surety or otherwise, and whether or not any right or claim is executory or anticipatory in nature including, without limitation, any right or



ability of any person to advance a claim for contribution or indemnity or otherwise with respect to any matter, action, cause or chose in action whether existing at present or commenced in the future, together with any other rights or claims of any kind that, if unsecured, would be a debt provable in bankruptcy had the Vendor become bankrupt;

- (e) **"Closing"** means the completion of the purchase by the Purchaser and sale by the Vendor of the Purchased Assets and the completion of all other transactions contemplated by this Agreement that are to occur contemporaneously with such sale, all subject to and in accordance with the terms and conditions of this Agreement;
- (f) **"Closing Date"** means the date that is no later than August 31, 2015 or such other date as may be agreed to by the Vendor and the Purchaser;
- (g) **"Data Room Information"** means all information made available (by the Receiver, the Vendor or otherwise) for the Purchaser's review in electronic form in relation to the Vendor, its Affiliates and/or the Purchased Assets;
- (h) **"Deposit"** has the meaning ascribed to that term in Section 3.2;
- (i) **"Effective Time"** means 8:00 a.m. (Calgary time) on the Closing Date;
- (j) **"Encumbrances"** means any pledges, liens, security interests, encumbrances, claims, charges, options or interests;
- (k) **"Governmental Authority"** means any domestic or foreign government, whether federal, provincial, state, territorial or municipal; and any governmental agency, ministry, department, tribunal, commission, bureau, board or other instrumentality exercising or purporting to exercise legislative, judicial, regulatory or administrative functions of, or pertaining to, government, having jurisdiction over a Party, the Purchased Assets or the Transaction;
- (l) **"Governmental Order"** means any order, writ, judgment, injunction, decree, stipulation, determination or award entered by or with any Governmental Authority;
- (m) **"Legal Proceeding"** means any litigation, action, suit, investigation, hearing, claim, complaint, grievance, arbitration proceeding or other proceeding and includes any appeal or review or retrial of any of the foregoing and any application for same;
- (n) **"Losses and Liabilities"** means any and all assessments, charges, costs, damages, debts, expenses, fines, liabilities, losses, obligations and penalties, whether accrued or fixed, absolute or contingent, matured or unmatured or determined or determinable, including those arising under any applicable law, Claim by any Governmental Authority or Governmental Order and those arising under any contract, agreement, arrangement, commitment or undertaking and costs and expenses of any Legal Proceeding, assessment, judgment, settlement or compromise relating thereto, and all interest, fines and penalties and reasonable legal fees and expenses incurred in connection therewith (on a full indemnity basis);
- (o) **"Notice Period"** has the meaning ascribed to that term in Section 8.2(b);
- (p) **"Parties"** means, collectively, the Purchaser and the Vendor, and **"Party"** means any one of them;
- (q) **"Permitted Encumbrances"** means:
 - (i) Encumbrances given as security to a public utility or any Governmental Authority when required in the ordinary course of business but only insofar as they relate to any obligations or amounts not due as at the Closing Date;

- (ii) any privilege in favour of any lessor, licensor or permitter for rent to become due or for other obligations or acts, the performance of which is required under contracts of the Vendor so long as the payment or the performance of such other obligation or act is not delinquent and provided that such Encumbrances or privileges do not materially affect the use or the operation of the assets affected thereby; and
- (iii) any Encumbrances permitted by a court order;
- (r) "person" means any individual, corporation, limited or unlimited liability company, joint venture, partnership (limited or general), trust, trustee, executor, Governmental Authority or other entity;
- (s) "Purchased Assets" means the drilling rig referred to as "Rig 737" and the assets listed in Schedule A;
- (t) "Purchase Price" has the meaning ascribed to that term in Section 3.1;
- (u) "Receiver" means Ernst & Young Inc. in its capacity as the Alberta Court-appointed receiver of the sole shareholder of the Vendor and, in each case, not in its personal or corporate capacity;
- (v) "Representative" means, in respect of a person, each director, officer, employee, agent, legal counsel, accountant, professional advisor and other representative of such person and its Affiliates, and with respect to the Vendor, includes the Receiver and their respective Affiliates, directors, officers, employees, agents, legal counsel, accountants, professional advisors and other representatives;
- (w) "Specific Conveyances" means all conveyances, bills of sale, assignments, transfers, and other documents or instruments that are reasonably required or desirable to convey, assign and transfer the Vendor's Interest in and to the Purchased Assets to the Purchaser;
- (x) "Tax Legislation" means, collectively, federal, provincial, state, territorial, county, municipal and local, foreign, or other statutes, ordinances or regulations imposing a Tax, including all treaties, conventions, rules, regulations, orders, and decrees of any jurisdiction;
- (y) "Taxes" means all taxes, assessments, charges, dues, duties, rates, fees, imposts, levies and similar charges of any kind lawfully levied, assessed or imposed by any Governmental Authority under any applicable Tax Legislation, including, federal, provincial, state, territorial, county, municipal and local, foreign or other income, capital, capital gains, goods and services, sales, use, consumption, excise, value added, business, real property, personal property, transfer, franchise, withholding, payroll, or employer health taxes, customs, import, anti-dumping or countervailing duties, employment insurance premiums, and provincial workers' compensation payments, levy, assessment, tariff, impost, imposition, toll and duty, whether computed on a separate, combined, unitary, or consolidated basis or any other manner, including any interest, penalties and fines associated therewith;
- (z) "Third Party" means any person who is not a Party, Affiliate or Representative;
- (aa) "Third Party Claim" means any Claim by a Third Party asserted against the Vendor for which the Purchaser has indemnified the Vendor or is otherwise responsible for pursuant to this Agreement;
- (bb) "Time of Closing" means 9:00 a.m. (Calgary, Alberta time) on the Closing Date or such other date and time as the Parties may agree in writing that the Closing shall take place;
- (cc) "Transaction" means the transaction for the purchase and sale of the Purchased Assets as contemplated in this Agreement;

- (dd) "Transfer Taxes" means all present and future transfer taxes, sales taxes, use taxes, production taxes, value-added taxes, goods and services taxes, land transfer taxes, registration and recording fees, and any other similar or like taxes and charges imposed by a Governmental Authority in connection with the sale, transfer or registration of the transfer of the Purchased Assets; and
- (ee) "Vendor's Interest" means, when used in relation to any asset, undertaking or property, all the right, title and interest, if any, of the Vendor in such asset, undertaking or property.

ARTICLE 2 PURCHASE AND SALE OF PURCHASED ASSETS

2.1 Agreement of Purchase and Sale

Subject to the terms and conditions of this Agreement, the Vendor hereby agrees to sell, assign and transfer to the Purchaser, and the Purchaser agrees to purchase from the Vendor all of the Vendor's Interest in the Purchased Assets free and clear of all Encumbrances other than Permitted Encumbrances.

2.2 Transfer of Purchased Assets

Provided that Closing occurs and subject to the terms and conditions of this Agreement, possession, risk and beneficial ownership of the Purchased Assets shall transfer from the Vendor to the Purchaser on the Closing Date. All of the Purchased Assets are to be delivered to the Purchaser at the current location of the Purchased Assets on an "as is, where is" basis.

ARTICLE 3 PURCHASE PRICE

3.1 Purchase Price

The purchase price to be paid by the Purchaser to the Vendor for the Purchased Assets shall be USD \$3,018,103.45 (the "Purchase Price").

3.2 Deposit

- (a) The Vendor acknowledges receipt of a deposit of USD \$1,000,000 (the "Deposit") from the Purchaser.
- (b) The Deposit will be held in trust by the Receiver in an interest-bearing trust account for and on behalf of the Vendor, and shall be releasable in accordance with the terms of this Agreement. If Closing occurs in accordance with the terms and conditions of this Agreement, the Deposit and interest earned thereon shall be credited against the Purchase Price, in partial satisfaction of the Purchaser's obligation to pay the Purchase Price at Closing. ✓
- (c) If Closing does not occur for any reason, including without limitation if the Purchaser fails to satisfy any closing conditions (other than in the case of the Purchaser terminating this Agreement in accordance with Section 9.1), the Vendor shall be entitled to retain the Deposit, the full amount of the Deposit shall be forfeited to the Vendor, this Agreement shall thereupon terminate and each Party shall be released from all obligations and liabilities under or in connection with this Agreement. If Closing does not occur because the Purchaser has terminated this Agreement in accordance with Section 9.1, then the Deposit shall be refunded to the Purchaser. The Parties agree that the amount of the Deposit constitutes a genuine pre-estimate of liquidated damages representing the Vendor's Losses and Liabilities as a result of Closing not occurring and agree that the Vendor shall not be entitled to recover from the Purchaser any amounts that are in excess of the Deposit as a result of Closing not occurring. The Purchaser hereby waives any claim or

defence that the amount of the Deposit is a penalty or is otherwise not a genuine pre-estimate of the Vendor's damages.

3.3 Payment of the Purchase Price

The Purchaser shall pay to the Receiver (in trust for and on behalf of the Vendor) at Closing, by certified cheque, bank draft or electronic wire transfer, the Purchase Price, less the Deposit and interest earned thereon, plus any Transfer Taxes.

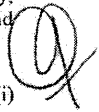
3.4 Transfer Taxes

- (a) The Purchase Price does not include Transfer Taxes. The Purchaser shall be liable for and shall pay all Transfer Taxes pertaining to the Purchaser's acquisition of the Purchased Assets, including all fees and expenses associated with any registrations or filings with a Governmental Authority necessary to transfer the Purchased Assets to the Purchaser. The Purchaser shall pay the amount of such Transfer Taxes directly to the appropriate Governmental Authority or other entity within the required time period and shall file all necessary documentation with respect to such Transfer Taxes when due. If the Vendor is required under applicable law to pay any such Transfer Taxes, the Purchaser shall promptly reimburse the Vendor the full amount of such Transfer Taxes that the Purchaser is obligated to pay and any penalty or interest assessed against the Vendor for not collecting and remitting the Transfer Taxes to the applicable Governmental Authority.
- (b) The Purchaser shall indemnify the Vendor for, from and against any Transfer Taxes (including any interest or penalties imposed by a Governmental Authority) that the Vendor may pay or for which the Vendor may become liable as a result of any failure by the Purchaser to pay or remit the Transfer Taxes.

ARTICLE 4 REPRESENTATIONS AND WARRANTIES

4.1 Purchaser's Representations and Warranties

The Purchaser hereby represents and warrants to and in favour of the Vendor that:

- (a) the Purchaser is a corporation duly incorporated and validly subsisting under the laws of the jurisdiction of its incorporation and has the requisite power and authority to enter into this Agreement and to complete the Transaction;
- (b) the Purchaser has taken all necessary corporate action to authorize the entering into and performance by it of this Agreement; 
- (c) the execution, delivery and performance of this Agreement by the Purchaser does not and will not require any consent, approval, authorization or other order of, action by, filing with or notification to, any Governmental Authority, except where failure to obtain such consent, approval, authorization or action, or to make such filing or notification, would not prevent or materially delay the consummation by the Purchaser of the Transaction;
- (d) this Agreement has been duly executed and delivered by the Purchaser and constitutes a legal, valid and binding obligation of the Purchaser and is enforceable against the Purchaser in accordance with its terms, except as enforceability may be limited by applicable bankruptcy, insolvency, reorganization or similar applicable laws relating to creditors' rights generally and subject to general principles of equity; and 
- (e) the Purchaser is in compliance with all international trade laws and regulations including: (i) export and re-export controls specified in the U.S. Export Administration Regulations,

International Traffic in Arms Regulations (ITAR), and the Bureau of the Census Foreign Trade Statistics Regulations (FTSR); (ii) prohibitions on transactions with or transfers to the governments of, parties located in or operated from, or nationals of countries subject to U.S. and Canadian economic sanctions, and (iii) prohibitions on transactions with or transfers to entities or individuals identified on the U.S. government's List of Specially Designated Nationals and Blocked Persons (Treasury Department), Denied Persons List and Entity List (Commerce Department), and the Canadian government's lists of Designated Persons under the *United Nations Act*, *Criminal Code*, *Special Economic Measures Act* and *Freezing Assets of Corrupt Foreign Officials Act*. The Purchaser is not owned or controlled, directly or indirectly, by a prohibited person or entity or by an entity owned or controlled by a prohibited person or entity (or agent acting on such person or entity's behalf) as defined by the foregoing lists.

4.2 No Representations and Warranties by the Vendor

- (a) Neither the Vendor nor any of its Representatives makes any representations or warranties, and in particular, and without limiting the generality of the foregoing, the Vendor disclaims and neither the Vendor nor any of its Representatives shall be liable for any representation or warranty which may have been made or alleged to be made in any instrument or document related hereto, or in any statement or information made or communicated to the Purchaser in any manner including any opinion, information, or advice which may have been provided to the Purchaser by the Vendor or any of its Representatives in connection with the Purchased Assets or in relation to the Transaction. For greater certainty, neither the Vendor nor any of its Representatives makes any condition, representation or warranty, express or implied, with respect to:
- (i) the Data Room Information or any other data or information supplied by the Vendor or any of its Representatives in connection with the Purchased Assets, including by way of management presentations or otherwise;
 - (ii) the value of any of the Purchased Assets or the future cash flow therefrom; or
 - (iii) the quality, condition, description, fitness for purpose, suitability, serviceability or merchantability of the Purchased Assets.
- (b) The Purchaser acknowledges and confirms that it has had an opportunity to conduct any and all due diligence regarding the Purchased Assets and that it is relying on its own investigations concerning the Purchased Assets and it has not relied on advice from the Vendor, the Receiver or any of their Representatives with respect thereto, including with respect to the matters specifically enumerated in the immediately preceding paragraphs in connection with the purchase of the Purchased Assets pursuant hereto. The Purchaser further acknowledges and agrees that it is acquiring the Purchased Assets on an "as is, where is" basis. The Purchaser acknowledges and agrees that it is familiar with the condition of the Purchased Assets, and that the Vendor has provided the Purchaser with a reasonable opportunity to inspect the Purchased Assets at the sole cost, risk and expense of the Purchaser and that the Purchaser is not relying upon any representation or warranty of the Vendor, the Receiver or their Representatives as to the condition of the Purchased Assets.
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- (c) Except for its express rights under this Agreement, the Purchaser hereby waives all rights and remedies (whether now existing or hereinafter arising and including all common law, tort, contractual and statutory rights and remedies) against the Vendor, the Receiver and their Representatives in respect of the Purchased Assets or the Transaction or any representations or statements made or information or data furnished to the Purchaser or its Representatives in connection herewith (whether made or furnished orally or by electronic, faxed, written or other means).

ARTICLE 5 COVENANTS

5.1 Third Party Consents

Both before and after Closing, each of the Parties shall use all commercially reasonable efforts to obtain any and all approvals required under applicable law and any and all material consents of Third Parties required to permit the Transaction to be completed. The Parties acknowledge that the acquisition of such consents is not a condition precedent to Closing. It shall be the sole obligation of the Purchaser, at the Purchaser's sole cost and expense, to provide any and all financial assurances that may be required by Governmental Authorities or any Third Parties to permit the transfer to the Purchaser of the Purchased Assets.

5.2 Expenses

If the Closing occurs, the Purchaser shall be responsible for and pay as and when required:

- (a) any and all costs of dismantling or removing Purchased Assets from their present location and/or transporting them to a new location; and
- (b) the cost of repairing any damage caused by dismantling or removal of any of the Purchased Assets from their present location and/or transporting to a new location.

The Purchaser shall repair and be liable for any and all Claims, Losses and Liabilities whatsoever caused by or in any way arising out of any dismantling or removal of any Purchased Assets, or any failure to dismantle or remove any Purchased Assets. Further, the Purchaser shall indemnify and save harmless the Vendor, its Representatives, the Receiver and its and their respective officers, directors, employees or other representatives in respect of and from any and all Claims, Losses and Liabilities that any of them may incur or suffer by reason of any dismantling or removal of any Purchased Assets, or any failure to dismantle or remove any Purchased Assets.

ARTICLE 6 CONDITIONS

6.1 Mutual Conditions

The respective obligations of the Parties to complete the Transaction are subject to the following conditions being fulfilled or performed as at or prior to the Time of Closing:

- (a) all necessary governmental and regulatory approvals for completion of the Transaction have been obtained; and
- (b) no injunction or other order has been issued to enjoin, restrict or prohibit the Transaction; and
- (c) the Closing is not otherwise prohibited by applicable law.

The foregoing conditions are for the mutual benefit of the Vendor and the Purchaser and may be asserted by the Vendor or the Purchaser regardless of the circumstances and may be waived only with the Agreement of both the Vendor and the Purchaser.

6.2 Conditions for the Benefit of the Vendor

The obligation of the Vendor to complete the Transaction is subject to the following conditions being fulfilled or performed as at or prior to the Time of Closing:

- (a) all representations and warranties of the Purchaser contained in this Agreement shall be true and correct in all material respects as at the Time of Closing with the same force and effect as if made at and as of such time;
- (b) the Purchaser has complied with and performed in all material respects all of its covenants and obligations contained in this Agreement;
- (c) the Vendor has not lost its ability to convey the Purchased Assets due to a court order or other applicable law, provided such order is not at the voluntary initiative of the Vendor;
- (d) on or before August 31, 2015, the Purchaser has paid the Receiver the amount of:
 - (i) USD \$1,042,004.80 in respect of outstanding accounts payable comprising the following:
 - (A) Invoice: iRY0085 dated June 5, 2015 in the amount of USD \$683,193.60
 - (B) Invoice: iRY0086 dated July 28, 2015 in the amount of USD \$198,731.20
 - (C) Invoice: iRY0087 dated July 28, 2015 in the amount of USD \$75,400.00
 - (D) Invoice iRY0088 dated August 21, 2015 in the amount of USD \$84,680.00; and
 - (ii) USD \$43,408.85 in respect of 50% of the outstanding accounts payable comprising the following:
 - (A) Invoice: Pre-Factura/MON/737/004/2015 in the amount of USD \$62,479.27
 - (B) Invoice: Pre-Factura/MON/737/003/2015 in the amount of USD \$24,338.42

The foregoing conditions are for the exclusive benefit of the Vendor and may be waived by it in its sole discretion, in whole or in part, at any time and from time to time without prejudice to any other rights which the Vendor may have. If any of the said conditions have not been complied with or waived by the Vendor, in the case of the conditions in Section 6.2(d) on or before August 21, 2015 or, in the case of any other conditions in Section 6.1 or 6.2 at or before the Time of Closing, the Vendor may terminate this Agreement by written notice to the Purchaser.

6.3 Satisfaction of Conditions

Each of the Parties shall proceed diligently and in good faith and use all commercially reasonable efforts to fulfill and assist in the fulfillment of the conditions set forth in Sections 6.1 and 6.2. In addition, each of the Parties agrees not take any action that could reasonably be expected to preclude, delay or have an adverse effect on the Transaction or would render, or may reasonably be expected to render, any representation or warranty made by it in this Agreement untrue in any material respect.

ARTICLE 7 CLOSING

7.1 Closing Date and Place of Closing

Subject to the conditions set out in this Agreement, the Transaction shall close and be completed on the Closing Date. The completion of the Transaction shall take place at the Time of Closing at the offices of the Vendor's

solicitors, or at such other time or such other location as the Parties may agree in writing. At the Time of Closing the Purchaser shall be responsible for the removing of the Purchased Assets from their current location.

7.2 Deliveries on Closing by the Vendor

The Vendor shall deliver to the Purchaser at the Time of Closing:

- (a) a bill of sale in a form satisfactory to the Parties acting reasonably regarding the conveyance of all of the Purchased Assets, duly executed by the Vendor; and
- (b) such other documents as are required by this Agreement.

7.3 Deliveries on Closing by the Purchaser

The Purchaser shall deliver to the Vendor at the Time of Closing:

- (a) the Purchase Price payable in cash to the Vendor in accordance with Section 3.3;
- (b) a bill of sale in a form satisfactory to the Parties acting reasonably regarding the conveyance of all of the Purchased Assets, duly executed by the Purchaser; and
- (c) such other documents as are required by this Agreement.

7.4 Risk and Insurance

The risk of loss of the Purchased Assets shall remain with the Vendor until Closing. Any property, liability and other insurance maintained by the Vendor shall not be transferred as of the Time of Closing, but shall remain the responsibility of the Vendor until the Time of Closing. The Purchaser shall be responsible for placing its own property, liability and other insurance coverage with respect to the Purchased Assets in respect of the period from and after the Time of Closing.

ARTICLE 8 INDEMNITY

8.1 Indemnification Given by Purchaser

If Closing occurs, the Purchaser shall:

- (a) be liable to the Vendor for; and
- (b) as a separate covenant, indemnify the Vendor and its Representatives from and against;

all Losses and Liabilities suffered, sustained, paid or incurred by any of them to the extent arising or accruing on or after the Effective Time and which relate to the Purchased Assets, including all Losses and Liabilities attributable to the ownership, operation, use, construction or maintenance of the Purchased Assets arising or accruing on or after the Effective Time. The Purchaser's indemnity obligation set forth in this Section 8.1 shall survive the Closing Date indefinitely.

8.2 Third Party Claims

- (a) If the Vendor receives notice of the commencement or assertion of any Third Party Claim for which the Purchaser is liable pursuant to this Agreement, the Vendor shall give the Purchaser reasonably prompt notice thereof, but in any event no later than 14 days after receipt of such notice of such Third Party Claim. Such notice to the Purchaser shall describe the Third Party Claim in reasonable detail and shall indicate, if reasonably practicable, the estimated amount (or the method of computation of the amount) of the Loss that has been or may be sustained by the Vendor, and a reference to the provisions of this Agreement upon which such claim is based.
- (b) The Purchaser may participate in the defence of any Third Party Claim by giving notice to that effect to the Vendor not later than 14 days after receiving notice of that Third Party Claim (the "Notice Period") so long as: (i) the Purchaser first acknowledges to the Vendor, in writing, liability to the Vendor under this Agreement with respect to such Third Party Claim and that the outcome of such Third Party Claim does not alter or diminish the Purchaser's obligation to indemnify the Vendor pursuant to this Agreement, subject to the Purchaser's right to contest in good faith the Third Party Claim; (ii) the Purchaser has the financial resources to defend against the Third Party Claim and fulfill any indemnification obligations and has provided the Vendor with evidence thereof; (iii) the Third Party Claim involves monetary damages; and (iv) the Purchaser participates in the defence of the Third Party Claim actively and diligently. The Purchaser's right to do so shall be subject to the rights of any insurer or other third party who has potential liability in respect of that Third Party Claim. The Purchaser shall pay all of its own expenses of participating in or assuming such defence. The Vendor shall cooperate in good faith in the defence of each Third Party Claim and may participate in such defence assisted by counsel of its own choice at its own expense.
- (c) If the Vendor has not received notice within the Notice Period that the Purchaser has elected to participate in the defence of such Third Party Claim, or if the Purchaser has given such notice but thereafter fails or is unable to participate in the defence of such Third Party Claim actively and diligently, the Vendor may, at its option, elect to settle or compromise the Third Party Claim on terms of its choosing, or assume such defence assisted by counsel of its own choosing, and the Purchaser shall be liable for all reasonable costs and expenses paid or incurred in connection therewith and any Loss suffered or incurred by the Vendor with respect to such Third Party Claim.

8.3 Failure to Give Timely Notice

A failure to give timely notice as provided in this Article 8 shall not affect the rights or obligations of any Party except and only to the extent that, as a result of such failure, any Party which was entitled to receive such notice was deprived of its right to recover any payment under any applicable insurance coverage or was otherwise prejudiced as a result of such failure.

8.4 No Merger

There shall not be any merger of any liability or indemnity hereunder in any assignment, conveyance, transfer or document delivered pursuant hereto notwithstanding any rule of law, equity or statute to the contrary and all such rules are hereby waived.

ARTICLE 9 TERMINATION

9.1 Grounds for Termination

This Agreement may be terminated at any time prior to Closing by either the Vendor or the Purchaser (as applicable) if the conditions for the benefit of the Vendor or Purchaser (as applicable) pursuant to the provisions of Article 6 are not satisfied or waived by or on the Closing Date.

9.2 Effect of Termination

Notwithstanding any termination of this Agreement by the Vendor or the Purchaser as permitted under Section 9.1, the provisions of Sections 10.1, 10.3 and 10.4 shall remain in full force and effect following any such permitted termination, and the Deposit shall be governed by Section 3.2.

**ARTICLE 10
MISCELLANEOUS**

10.1 Public Announcements

If a Party intends to issue a press release or other public disclosure of this Agreement, the terms hereof or the Transaction, the disclosing Party shall provide the other Party with an advance copy of any such press release or public disclosure with sufficient time to enable the other Party to review such press release or other public disclosure and provide any comments. The disclosing Party shall not issue such press release or other public disclosure without the prior written consent of the other Party, such consent not to be unreasonably withheld.

10.2 Obligations to Survive

The obligations, covenants, representations and warranties (if any) of the Parties set out in this Agreement shall survive Closing, shall remain in full force and effect, shall not merge as a result of Closing and shall be binding on the Parties thereafter.

10.3 Governing Law

This Agreement, including its performance and enforcement shall be governed by and construed in accordance with the laws of the United Mexican States (excluding any conflict of law rule or principle of such laws that might refer such interpretation or enforcement to the laws of another jurisdiction). In case of any controversy or dispute in connection with the construction, performance or enforcement of this agreement, or with respect to any matter arising hereunder or relating hereto, each Party irrevocably submits to the exclusive jurisdiction of the federal courts of Mexico, Federal District, and hereby waive any other jurisdiction each party may be entitled as a result of their present or future domiciles, the location of their assets or any other reason.

10.4 Damages

Under no circumstance shall any of the Parties, their Representatives or their respective directors, officers, employees or agents be liable for any punitive, exemplary, consequential or indirect damages (including for greater certainty, any loss of profits) that may be alleged to result, in connection with, arising out of, or relating to this Agreement or the Transaction.

10.5 Further Assurances

Each of the Parties hereto from and after the date hereof shall, from time to time, and at the request and expense of the Party requesting the same, do all such further acts and things and execute and deliver such further instruments, documents, matters, papers and assurances as may be reasonably requested to complete the Transaction and for more effectually carrying out the true intent and meaning of this Agreement.

10.6 Entire Agreement

This Agreement constitutes the entire agreement between the Parties with respect to the subject matter hereof and cancel and supersede all prior agreements, understandings, negotiations and discussions, whether oral or written, between the Parties with respect to the subject matter hereof. There are no conditions, covenants, agreements, representations, warranties or other provisions, whether oral or written, express or implied, collateral, statutory or otherwise, relating to the subject matter hereof other than those contained in this Agreement. Any amendment to this Agreement shall be made in writing by the Parties.

10.7 Severability

In the event any one or more of the provision contained in this Agreement or in any other documents, or in any other document referred to herein or executed in connection herewith shall, for any reason, be held to be invalid, illegal, or unenforceable in any respect, such invalidity, illegality, or unenforceability shall not affect any other provision of this Agreement, or the other instrument referred to herein or executed in connection herewith.

10.8 Language

This Agreement is executed in both Spanish and English languages, both of which shall be binding upon the Parties; provided, however, that in the event that any legal action or proceeding in connection with this Agreement arises, the Spanish version shall prevail.

10.9 Notices

Any notice or communication that the Parties give to each other in connection herewith shall be in writing and must be delivered in person, by overnight courier service, facsimile or electronic mail, in both cases with acknowledgement of receipt, to 5:00 p.m. (Mexico, Federal District time) on a Business Day, and shall become effective (i) at the time of the delivery if delivered in person; (ii) on the date of transmission if sent by electronic mail with answer back; (iii) the next Business Day if delivered by overnight courier service. Notices shall be addressed to Purchaser and to Vendor, as the case may be, at the following addresses:

If to Purchaser:

GPA ENERGY S.A. DE C.V.

Domicile : Blvd. Harold R Pape 805 , Colonia Guadalupe, Zip Code no. 25750, Monclova, Coahuila , Mexico

E-mail : grodriguez@gpaenergy.com.mx

Attention: Ing. Guillermo Jesús Rodríguez Marín

If to Vendor:

BW SERVICES LUXEMBOURG S.À.R.L

Domicile : C/O Ernst & Young Inc., Suite 1000, 440 – 2nd Ave SW, Calgary, Alberta T2P 5E9

E-mail : peter.chisholm@ca.ey.com

Attention: Peter Chisholm

Any
Parties to this Agreement may change its address for notices by means of written notice delivered to the other Party in accordance with the provisions of this clause.

[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK]

10.10 Authority

The Parties confirm their legal existence and legal capacity to execute this Agreement as well as the power and authority of their respective legal representative and/or attorney-in fact and/or officer to execute this Agreement on their behalf and to bind the Parties under the terms and conditions of this Agreement.

10.11 Counterparts

This Agreement may be executed in any number of counterparts, each of which shall be deemed to be an original and all of which shall constitute one and the same agreement. Transmission by facsimile or other electronic means of an executed counterpart of this Agreement shall be deemed to constitute due and sufficient delivery of such counterpart.

IN WITNESS WHEREOF this Agreement has been properly executed by the Parties through their duly empowered and authorized legal representative and/or attorney-in fact and/or officer as of the date first above written.

BW SERVICES LUXEMBOURG S.À.R.L.

Per: _____

Name: _____

Title: Sole Manager

GPA ENERGY S.A. DE CV

Per: _____

Name: EMILIO OSORIO DIAZ

Title: _____

SCHEDULE A

PURCHASED ASSETS

Item	Descripción de la Carga / Skid Loads Description	Serial number	Pedimento Number	Manufacturer
1	Substructure CASSADY CE16 - 390MS	C-9081S	04303172-4018496	CASSADY
2	Suction Tank 320 Bls.	737-03	04303172-4018482	PRECISION DRILLING
3	Shaker Tank 446 Bls.	737-03R	04303172-4018472	PRECISION DRILLING
4	GENSET 1 - Incl Fuel Tank 18,200 Lts & Mech Workshop	13850-04	04303172-4018479	KATO ENGINEERING
5	GENSET 2 - SCR House	82827-78	04303172-4018484	KATO ENGINEERING
6	GENSET 3 - Incl Fuel Tank 34,400 Lts	13850-06	04303172-4018483	KATO ENGINEERING
7	GENSET 4 - New 3508	14509-05	14303471-4004282	CATERPILLAR-KATO
8	Derrick - "A" LEGS SECTION	737-17R	04303172-4018486	PRECISION DRILLING
9	Derrick - MIDDLE SECTION	CE9081-M	04303172-4018493	PRECISION DRILLING
10	Derrick - CROWN SECTION	CE9081	04303172-4018495	PRECISION DRILLING
11	Wellsite Unit - Mechanic	991252.5 3283.WS	04303172-4018468	PRECISION DRILLING
12	Wellsite Unit - Rig Manager	991248.S.3284.RMW8	04303172-4018469	PRECISION DRILLING
13	Mud Pump 2 - Power End EMSCO F1000	CD02-2003	04303172-4019613	CONTINENTAL EMSCO
14	Mud Pump House # 1	168	04303172-4018470	CONTINENTAL EMSCO
15	Hydraulic Catwalk	B1-0019-AN	04303172-4018499	PRECISION DRILLING
16	Pipe Table	737-45	04303172-4018494	PRECISION DRILLING
17	Pipe Table	737-36R	04303172-4018498	PRECISION DRILLING
18	Pipe Table	737-	04303172-4018489	PRECISION DRILLING
19	Pipe Table	S/N	04303172-4018492	PRECISION DRILLING
20	Comedor	930	04303172-4018488	PRECISION DRILLING
21	Water Tank & Tool House Combo	737-06R	04303172-4018481	PRECISION DRILLING
22	40ft Container (misc. spare parts)	S/N	04303172-4019612	PRECISION DRILLING
23	Pipe Table / Junk Box Combo	S/N	NO APLICA	SERVICE LOOP PART
24	Dog House	737-41R	04303172-4018485	PRECISION DRILLING
25	Substructure Base Beam (Driller Side Skid)	6766-05	04303172-4019306	DRECO
26	Substructure Base Beam (Off driller side Side Skid)	6766-05	04303172-4019306	DRECO
27	Oil Tank / Junk Box Combo	S/N	NO APLICA	SERVICE LOOP PART
28	Loader Caterpillar	8CR02842	04303172-4018478	CATERPILLAR
29	Rig Matting: bundle of 6 pcs	737-26R	04303172-4018475	PRECISION DRILLING
30	Rig Matting: bundle of 6 pcs	737-26R	04303172-4018475	PRECISION DRILLING
31	Garage Bin	S/N	04303172-4018498	PRECISION DRILLING
32	Flare Tank	475	04303172-4018477	PRECISION DRILLING
33	Junk Box	S/N	04303172-4018498	PRECISION DRILLING
34	Spare Parts Container, 20ft	S/N	04303172-4018497	PRECISION DRILLING
35	Draw Works OIME SL-1000	PD-417	04303172-4018480	OIME
36	Shaker	90681344	04303172-4018472	BRANDT
37	Alarmkey board	737-42R	04303172-4018481	PRECISION DRILLING
38	BOP (válvula preventora 1 y Válvula preventora doble) + Esférico/Anular	Single: 2113830-01 Double: 2164142-02 Esférico: 1845	40303172-4020155 (for single and double)	CAMERON / T3
39	Tanks Roof	13726r	40303172-4018475	PRECISION DRILLING
40	Miscellaneous	S/N	04303172-4019612	PRECISION DRILLING
41	Miscellaneous	333	04303172-4020167	CAMERON

BW SERVICES LUXEMBOURG S.A.R.L.

Per:

Name:

Title: Solo Manager

GPA ENERGY S.A. DE C.V.

Per:

Name:

Title:

C

BW Services Luxembourg

Société à responsabilité limitée

Share Capital: USD 40,000

Registered office: 15, rue Edward Steichen, L-2540 Luxembourg

Grand-Duchy of Luxembourg

R.C.S. Luxembourg: B 173.595

(the "**Company**")

**WRITTEN RESOLUTIONS OF THE SOLE
SHAREHOLDER OF THE COMPANY MADE
EFFECTIVE AUGUST 17, 2015.**

AGENDA:

- Approval of Asset Sale and Asset Sale Agreement.

ASSET SALE AGREEMENT IN RESPECT OF RIG 737

WHEREAS:

- A. Pursuant to the *Bankruptcy and Insolvency Act*, R.S.C. 1985, c. B-3, as amended (the "**BIA**"), the Alberta Court of Queen's Bench (the "**Alberta Court**") granted a receivership order with respect to all of the current and future property and undertakings of Calmena Energy Services Inc., Calmena Energy Holdings Ltd., 1414995 Alberta Ltd., Calmena Energy Services Operating Limited Partnership, Calmena Energy Services (USA) Corp., Calmena Drilling Services LLC, and Calmena Drilling Services US LP (the "**Debtors**") on January 20, 2015, as amended on February 9, 2015 (the "**Receivership Order**") appointing Ernst & Young Inc. (the "**Receiver**") as receiver and manager of the Debtors;
- B. The Company is a wholly owned subsidiary of Calmena Energy Holdings Ltd., which is in turn a wholly owned subsidiary of the parent company, Calmena Energy Services Inc. Pursuant to the Receivership Order, the Receiver controls the shares of the Company;
- C. The Company intends to enter into the Asset Sale Agreement to be dated in or around August 2015 (the "**Asset Sale Agreement**") in respect of selling the drilling rig referred to as "Rig 737" and related assets to GPA Energy S.A. de C.V. for aggregate consideration of USD \$3,501,000, subject to the adjustments therein (collectively, the "**Asset Sale**");
- D. The sole shareholder of the Company has been provided with a copy of the Asset Sale Agreement; and
- E. It is in the best interests of the Company to enter into the Asset Sale Agreement.

THE SOLE SHAREHOLDER HEREBY RESOLVES THAT:

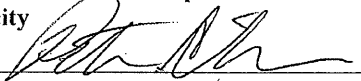
• **Approval of Asset Sale and Asset Sale Agreement**

1. The Asset Sale, the terms of which are substantially as set forth in the Asset Sale Agreement, is hereby authorized and approved.
2. The Asset Sale Agreement, substantially in the form presented to the sole shareholder, is hereby approved and the sole manager of the Company is hereby authorized and directed to sign and deliver for, on behalf of, and in the name of the Company, the Asset Sale Agreement with any and all such additions, omissions and amendments thereto as may be approved by the sole manager signing the Asset Sale Agreement.
3. The sole manager of the Company is hereby authorized and directed to sign and deliver for, on behalf of, and in the name of the Company, all such other agreements, instruments, certificates, directions, notices, acknowledgements, receipts and other documents and to perform and to do all other acts and things as the sole manager in her discretion may consider necessary, advisable or useful for the purpose of giving effect to these resolutions, execution as aforesaid to be conclusive evidence of this and the sole manager's approval.
4. Any acts taken prior to the effective date of these resolutions by the sole manager of the Company in connection with the foregoing resolutions are hereby ratified and confirmed.

The foregoing resolutions are hereby passed as evidenced by the signature below of the sole shareholder of the Company effective as of the date first above written.

CALMENA ENERGY HOLDINGS LTD., by
Ernst & Young Inc. in its capacity as the court-
appointed receiver and not in its personal or
corporate capacity

Name:


Peter Christman

Title:

Vice President

BEING THE SOLE SHAREHOLDER OF BW
SERVICES LUXEMBOURG

D

BW Services Luxembourg

Société à responsabilité limitée

Share Capital: USD 40,000

Registered office: 15, rue Edward Steichen, L-2540 Luxembourg

Grand-Duchy of Luxembourg

R.C.S. Luxembourg: B 173.595

(the "Company")

**WRITTEN RESOLUTIONS OF THE SOLE MANAGER OF
THE COMPANY MADE EFFECTIVE AUGUST 17, 2015.**

AGENDA:

- **Approval of Asset Sale and Asset Sale Agreement.**

ASSET SALE AGREEMENT IN RESPECT OF RIG 737

WHEREAS:

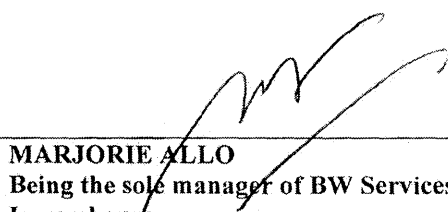
- A. Pursuant to the *Bankruptcy and Insolvency Act*, R.S.C. 1985, c. B-3, as amended (the "**BIA**"), the Alberta Court of Queen's Bench (the "**Alberta Court**") granted a receivership order with respect to all of the current and future property and undertakings of Calmena Energy Services Inc., Calmena Energy Holdings Ltd., 1414995 Alberta Ltd., Calmena Energy Services Operating Limited Partnership, Calmena Energy Services (USA) Corp., Calmena Drilling Services LLC, and Calmena Drilling Services US LP (the "**Debtors**") on January 20, 2015, as amended on February 9, 2015 (the "**Receivership Order**") appointing Ernst & Young Inc. (the "**Receiver**") as receiver and manager of the Debtors;
- B. The Company is a wholly owned subsidiary of Calmena Energy Holdings Ltd., which is in turn a wholly owned subsidiary of the parent company, Calmena Energy Services Inc. Pursuant to the Receivership Order, the Receiver controls the shares of the Company;
- C. The Company intends to enter into the Asset Sale Agreement to be dated in or around August 2015 (the "**Asset Sale Agreement**") in respect of selling the drilling rig referred to as "Rig 737" and related assets to GPA Energy S.A. de C.V. for aggregate consideration of USD \$3,501,000, subject to the adjustments therein (collectively, the "**Asset Sale**");
- D. The sole shareholder of the Company has approved the Asset Sale and the Asset Sale Agreement and has authorized and directed the sole manager of the Company to execute and deliver the Asset Sale Agreement for and on behalf of the Company;
- E. The sole manager of the Company has been provided with a copy of the Asset Sale Agreement; and
- F. It is in the best interests of the Company to enter into the Asset Sale Agreement.

THE SOLE MANAGER HEREBY RESOLVES THAT:

• **Approval of Asset Sale and Asset Sale Agreement**

1. The Asset Sale, the terms of which are substantially as set forth in the Asset Sale Agreement, is hereby authorized and approved.
2. The Asset Sale Agreement, substantially in the form presented to the sole manager, is hereby approved and the sole manager of the Company is hereby authorized and directed to sign and deliver for, on behalf of, and in the name of the Company, the Asset Sale Agreement with any and all such additions, omissions and amendments thereto as may be approved by the sole manager signing the Asset Sale Agreement.
3. The sole manager of the Company is hereby authorized and directed to sign and deliver for, on behalf of, and in the name of the Company, all such other agreements, instruments, certificates, directions, notices, acknowledgements, receipts and other documents and to perform and to do all other acts and things as the sole manager in her discretion may consider necessary, advisable or useful for the purpose of giving effect to these resolutions, execution as aforesaid to be conclusive evidence of this and the sole manager's approval.
4. Any acts taken prior to the effective date of these resolutions by the sole manager of the Company in connection with the foregoing resolutions are hereby ratified and confirmed.

The foregoing resolutions are hereby passed as evidenced by the signature below of the sole manager of the Company effective as of the date first above written.



MARJORIE ALLO
Being the sole manager of BW Services
Luxembourg

E

[Mexico rig and equipment]

BW SERVICES LUXEMBOURG S.A.R.L.

(the “Vendor”)

and

SE RIG EQUIPMENT COMPANY S.A DE C.V.

(the “Purchaser”)

ASSET PURCHASE AGREEMENT

September 25, 2015

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Schedule 1.1(x) Purchased Equipment
Schedule 3.3. Purchase Price Allocation
Schedule 8.2(e) Contracts to be Terminated

ASSET PURCHASE AGREEMENT dated September 25, 2015

BETWEEN:

BW SERVICES LUXEMBOURG S.A.R.L. a private limited liability company (*société à responsabilité limitée*) duly incorporated and validly existing under the laws of the Grand Duchy of Luxembourg with its registered office at 14, rue de Edward Steichen, L-2540 Luxembourg, with a share capital of USD 40,000 and registered with the Luxembourg trade and companies register under number B 173.595 (the “**Vendor**”)

- and -

SE RIG EQUIPMENT COMPANY S.A DE C.V. a corporation subsisting under the laws of Mexico, (the “**Purchaser**”)

WHEREAS:

- A. Pursuant to the *Bankruptcy and Insolvency Act*, R.S.C. 1985, c. B-3, as amended (the “**BIA**”), the Alberta Court of Queen’s Bench (the “**Alberta Court**”) granted a receivership order with respect to all of the current and future property and undertakings of Calmena Energy Services Inc., Calmena Energy Holdings Ltd., 1414995 Alberta Ltd., Calmena Energy Services Operating Limited Partnership, Calmena Energy Services (USA) Corp. *et al.* (the “**Debtors**”) on January 20, 2015, as amended on February 9, 2015 and May 20, 2015 (the “**Receivership Order**”) appointing the Receiver (as hereinafter defined) as receiver and manager of the Debtors;
- B. The Vendor is a wholly owned subsidiary of Calmena Energy Holdings Ltd. Pursuant to the Receivership Order, the Receiver controls the shares of the Vendor; and
- C. The Vendor has agreed to sell, transfer and assign to the Purchaser all of its right, title and interest to the Purchased Equipment on the terms and conditions set forth herein.

NOW THEREFORE this Agreement witnesses that in consideration of the mutual covenants and agreements contained herein, and for other good and valuable consideration, the receipt and sufficiency of which are acknowledged by each Party to the other, the Parties agree as follows:

**ARTICLE 1
INTERPRETATION**

1.1 Definitions

In this Agreement:

- (a) “**Affiliate**” means, with respect to any person, any other person or group of persons acting in concert, directly or indirectly, that controls, is controlled by or is under common control with such person. The term “control” as used in the preceding sentence means the possession, directly or indirectly, of the power to direct or cause the direction of the management or policies of a person whether through ownership of more than 50% of the voting securities of such person, through being the general partner or trustee of the other person, or through contract or otherwise;
- (b) “**Agreement**” means this asset purchase agreement and all Schedules attached hereto;

- (c) “**Alberta Court**” has the meaning ascribed to that term in the recitals;
- (d) “**Applicable Law**” means, in respect of any person, assets, transaction, event or circumstance:
 - (i) statutes (including regulations enacted thereunder);
 - (ii) judgments, decrees and orders of courts of competent jurisdiction;
 - (iii) regulations, orders, ordinances and directives issued by Government Authorities; and
 - (iv) the terms and conditions of all permits, licenses, approvals and authorizations,
 which are applicable to such person, asset, transaction, event or circumstance;
- (e) “**Books and Records**” means all of the Vendor’s books and records in the Receiver’s possession, regardless of physical, electronic, or other format, related directly and solely to the Purchased Equipment, which for greater certainty excludes all intellectual property described therein;
- (f) “**Business Day**” means a day other than a Saturday, Sunday or any other day on which the principal chartered banks located in Calgary, Alberta are not open for the transaction of domestic business during normal banking hours;
- (g) “**Claim**” means any right or claim of any person that may be asserted or made in whole or in part against the Vendor or any of its Affiliates and their respective directors, officers, employees, agents or advisors, whether or not asserted or made, in connection with any indebtedness, liability or obligation of any kind whatsoever, and any interest accrued thereon or costs payable in respect thereof, including without limitation, by reason of the commission of a tort (intentional or unintentional), by reason of any breach of contract or other agreement (oral or written), by reason of any breach of duty (including, without limitation, any legal, statutory, equitable or fiduciary duty) or by reason of any right of ownership of or title to property or assets or right to a trust or deemed trust (statutory, express, implied, resulting, constructive or otherwise), and whether or not any indebtedness, liability or obligation is reduced to judgment, liquidated, unliquidated, fixed, contingent, matured, unmatured, disputed, undisputed, legal, equitable, secured, unsecured, present or future, known or unknown, by guarantee, surety or otherwise, and whether or not any right or claim is executory or anticipatory in nature including, without limitation, any right or ability of any person to advance a claim for contribution or indemnity or otherwise with respect to any matter, action, cause or chose in action whether existing at present or commenced in the future, together with any other rights or claims of any kind that, if unsecured, would be a debt provable in bankruptcy within the meaning of the *Bankruptcy and Insolvency Act* (Canada) had the Vendor become bankrupt;
- (h) “**Closing**” means the completion of the purchase by the Purchaser and sale by the Vendor of the Purchased Equipment and the completion of all other transactions contemplated by this Agreement that are to occur contemporaneously with such sale, all subject to and in accordance with the terms and conditions of this Agreement;
- (i) “**Court Approval**” means the approval of the Transaction by the Alberta Court;
- (j) “**Closing Date**” means the date that is no later than September 30, 2015 or such other date as may be agreed to by the Vendor and the Purchaser;
- (k) “**Data Room Information**” means all information made available (by the Receiver or otherwise) for the Purchaser’s review in electronic form in relation to the Vendor, its Affiliates and/or the Purchased Equipment;

- (l) **“Effective Time”** means 12:01 a.m. (Calgary time) on the Closing Date;
- (m) **“Encumbrances”** means any pledges, liens, security interests, encumbrances, claims, charges, options or interests;
- (n) **“Final Statement of Adjustments”** has the meaning ascribed to that term in Section 4.2;
- (o) **“GAAP”** means accounting principles generally accepted in Canada including those recommended or approved by the Canadian Institute of Chartered Accountants at the relevant time including to the extent applicable, international financial reporting standards;
- (p) **“Governmental Authority”** means any domestic or foreign government, whether federal, provincial, state, territorial, county, parish, or municipal; and any governmental agency, ministry, department, tribunal, commission, bureau, board or other instrumentality exercising or purporting to exercise legislative, judicial, regulatory or administrative functions of, or pertaining to, government, having jurisdiction over a Party, the Purchased Equipment or the Transaction;
- (q) **“Governmental Order”** means any order, writ, judgment, injunction, decree, stipulation, determination or award entered by or with any Governmental Authority;
- (r) **“Interim Statement of Adjustments”** has the meaning ascribed to that term in Section 4.2;
- (s) **“Legal Proceeding”** means any litigation, action, suit, investigation, hearing, claim, complaint, grievance, arbitration proceeding or other proceeding and includes any appeal or review or retrial of any of the foregoing and any application for same;
- (t) **“Losses and Liabilities”** means any and all assessments, charges, costs, damages, debts, expenses, fines, liabilities, losses, obligations and penalties, whether accrued or fixed, absolute or contingent, matured or unmatured or determined or determinable, including those arising under any Applicable Law, Claim by any Governmental Authority or Governmental Order and those arising under any contract, agreement, arrangement, commitment or undertaking and costs and expenses of any Legal Proceeding, assessment, judgment, settlement or compromise relating thereto, and all interest, fines and penalties and reasonable legal fees and expenses incurred in connection therewith (on a full indemnity basis) but for greater certainty excludes any losses and liabilities relating to any possible tax assessments by the Sistema de Administracion Tributaria;
- (u) **“Parties”** means, collectively, the Purchaser and the Vendor, and **“Party”** means any one of them;
- (v) **“Permitted Encumbrances”** means any Encumbrance held by any Third Party in respect of which Vendor delivers a release, no interest letter, discharge, or undertaking to discharge, satisfactory to Purchaser at or prior to Closing;
- (w) **“person”** means any individual, corporation, limited or unlimited liability company, joint venture, partnership (limited or general), trust, trustee, executor, Governmental Authority or other entity;
- (x) **“Purchased Equipment”** means the equipment listed in Schedule 1.1(x);
- (y) **“Purchase Price”** has the meaning ascribed to that term in Section 3.1;
- (z) **“Purchaser’s Solicitors”** means the law firm of Burnet Duckworth & Palmer LLP or such other firm or firms of solicitors as are appointed by the Purchaser from time to time and notice of which is provided to the Vendor;
- (aa) **“Receiver”** means Ernst & Young Inc. in its capacity as the Alberta Court-appointed receiver of the Debtors and not in its personal or corporate capacity;

- (bb) **“Receiver’s Solicitors”** means the law firm of Borden Ladner Gervais LLP (or any successor thereto) or such other firm or firms of solicitors as are appointed by the Receiver from time to time and notice of which is provided to the Purchaser;
- (cc) **“Representative”** means, in respect of a person, each director, officer, employee, agent, legal counsel, accountant, professional advisor and other representative of such person and its Affiliates, and with respect to the Vendor, includes the Receiver and their respective Affiliates, directors, officers, employees, agents, legal counsel, accountants, professional advisors and other representatives;
- (dd) **“Third Party”** means any person who is not a Party;
- (ee) **“Time of Closing”** means 10:00 am (Calgary, Alberta time) on the Closing Date or such other date and time as the Parties may agree in writing that the Closing shall take place;
- (ff) **“Transaction”** means the transaction for the purchase and sale of the Purchased Equipment as contemplated in this Agreement;
- (gg) **“Transfer Taxes”** means all present and future transfer taxes, sales taxes, use taxes, production taxes, value-added taxes, goods and services taxes, land transfer taxes, registration and recording fees, and any other similar or like taxes and charges imposed by a Governmental Authority in connection with the sale, transfer or registration of the transfer of the Purchased Equipment; and
- (hh) **“Vendor’s Interest”** means, when used in relation to any asset, undertaking or property, all the right, title and interest, if any, of the Vendor in such asset, undertaking or property.

1.2 Interpretation

The following rules of construction shall apply to this Agreement unless the context otherwise requires:

- (a) All references to monetary amounts, unless indicated to the contrary, are to the lawful currency of the United States.
- (b) Words importing the singular include the plural and vice versa, and words importing gender include the masculine, feminine and neuter genders.
- (c) The word “include” and derivatives thereof shall be read as if followed by the phrase “without limitation”.
- (d) The words “hereto”, “herein”, “hereof”, “hereby”, “hereunder” and similar expressions refer to this Agreement and not to any particular provision of this Agreement.
- (e) The headings contained in this Agreement are for convenience of reference only, and shall not affect the meaning or interpretation hereof.
- (f) Reference to any Article, Section or Schedule means an Article, Section or Schedule of this Agreement unless otherwise specified.
- (g) If any provision of a Schedule hereto conflicts with or is at variance with any provision in the body of this Agreement, the provisions in the body of this Agreement shall prevail to the extent of the conflict.
- (h) All documents executed and delivered pursuant to the provisions of this Agreement are subordinate to the provisions hereof and the provisions hereof shall govern and prevail in the event of a conflict.

- (i) This Agreement has been negotiated by each Party with the benefit of legal representation, and any rule of construction to the effect that any ambiguities are to be resolved against the drafting Party does not apply to the construction or interpretation of this Agreement.

1.3 Schedules

The following are the Schedules attached to and incorporated in this Agreement by reference and deemed to be a part hereof:

- Schedule 1.1(x) Purchased Equipment
- Schedule 3.3. Purchase Price Allocation
- Schedule 8.2(e) Contracts to be Terminated

ARTICLE 2 PURCHASE AND SALE OF PURCHASED EQUIPMENT

2.1 Agreement of Purchase and Sale

Subject to the terms and conditions of this Agreement including Section 2.2, at the Time of Closing, the Vendor hereby agrees to sell, assign and transfer to the Purchaser, and the Purchaser agrees to purchase from the Vendor all of the Vendor's Interest in the Purchased Equipment.

2.2 Transfer of Purchased Equipment

Subject to the terms and conditions of this Agreement, on the Closing Date the title, possession, risk and beneficial ownership of the Purchased Equipment shall transfer from the Vendor to the Purchaser, free and clear of all Encumbrances, other than Permitted Encumbrances.

ARTICLE 3 PURCHASE PRICE

3.1 Purchase Price

The purchase price to be paid by the Purchaser to the Vendor for the Purchased Equipment shall be \$2,494,400 (the "Purchase Price") as adjusted pursuant to Article 4.

3.2 Payment of the Purchase Price

The Purchaser shall pay to the Receiver or the Receiver's Solicitors (in trust for and on behalf of the Vendor) at Closing, by certified cheque, bank draft or electronic wire transfer, the adjusted Purchase Price as set forth in the Interim Statement of Adjustments, less the Holdback, and less the Transfer Taxes (which shall be held in trust by Purchaser and remitted in accordance with Section 3.4).

3.3 Allocation of the Purchase Price

The Purchase Price shall be allocated among the Purchased Equipment as set out in Schedule 3.3.

3.4 Transfer Taxes

The Parties agree that the Purchase Price includes all Transfer Taxes. The Purchaser shall pay and remit all such Transfer Taxes to the appropriate Governmental Authority within the time periods required under Applicable Law and shall indemnify the Vendor for, from and against any Transfer Tax (including any interest or penalty imposed by a Governmental Entity) that the Vendor may pay or for which the Vendor may become liable as a result of any failure by the Purchaser to pay or remit such Transfer Taxes.

ARTICLE 4 ADJUSTMENTS

4.1 Status of Equipment

- (a) Subject to Section 4.1(b), if it is determined, pursuant to an inspection and inventory of the Purchased Equipment completed jointly by the Parties prior to the Closing Date (the “**Inspection**”), that certain individual items forming part of the Purchased Equipment are either (i) not available to form part of the Transaction as at the Closing Date or (ii) not fit for use (subject to depreciation for age of use), then the Purchase Price shall be reduced as follows:
 - (i) in respect of missing items, an amount equal to 50% of the replacement value for such item; and
 - (ii) in respect of items that are not fit for use, subject to depreciation for age of use, (other than the specified deficiencies in Schedule 4.1(b)), an amount equal to the repair cost as agreed between the parties.
- (b) Notwithstanding anything else contained in this Article 4, no adjustments shall be made pursuant to Section 4.1(a) until such adjustments, in the aggregate, exceed the amount of \$50,000.
- (c) The Parties shall use best efforts to include all replacement costs, repair costs and other adjustments made in this Article 4 in the Interim Statement of Adjustments. If any replacement costs, repair costs and other adjustments have not been finalized at Closing pursuant to the Interim Statement of Adjustment, they shall be dealt with in the Final Statement of Adjustments.

4.2 Statement of Adjustments

- (a) The Vendor shall carry out an interim accounting and adjustment and prepare and deliver to the Purchaser on or prior to the Closing Date a statement setting forth the Vendor’s good faith estimate of all adjustments to be made for the transactions contemplated herein. Prior to Closing, the Purchaser shall provide a written statement of what adjustments it agrees to (the “**Interim Statement of Adjustments**”), and the Interim Statement of Adjustments shall form an adjustment to the Purchase Price pursuant to Section 3.2 hereof.
- (b) The Vendor shall carry out a final accounting and adjustment and prepare and deliver to the Purchaser a statement setting forth all adjustments to be made for the transactions contemplated herein no later than 30 days following the Closing Date (the “**Final Statement of Adjustments**”). In the event the information or other third-party documentation required by Vendor to issue a full and complete Final Statement of Adjustments is not made available to Vendor within 30 days of the Closing Date, Vendor may request Purchaser provide an extension of time within which to issue the Final Statement of Adjustments, which consent shall not be unreasonably withheld by Purchaser. After receiving the Final Statement of Adjustments, the Purchaser will have 30 days following the receipt of same to provide the Vendor with further adjustments, claims, discrepancies or disputes to be addressed in the Final Statement of Adjustments. If the Parties are unable to agree on the Final Statement of Adjustments, the Parties shall seek a determination of the amount of the Final Statement of Adjustments, if any, from the Alberta Court.

4.3 Holdback and Payment of Adjustments

- (a) At Closing, the amount of US \$300,000 (the “**Holdback**”), shall be retained by the Purchaser and delivered to the Purchaser’s Solicitors to be held in trust for a period of six months following the Closing Date or until it is released in accordance with this Agreement. The Holdback will be held in trust by the Purchaser’s Solicitors in an interest-bearing trust account to cover: (i) any claims in respect of breaches of the Vendor’s representations and warranties in Section 5.2; (ii) any claims

on the Purchased Equipment from the Mexican tax authorities, including any reasonable legal costs incurred in defending such claims, provided that such legal costs were incurred subsequent to Closing, after the receipt of notice of such a claim from the Mexican tax authorities, and upon receiving written direction from the Vendor that it is not otherwise defending such claim (for greater certainty, such legal fees shall not include any legal fees in connection with the Purchaser's due diligence relating to the Transaction or this Agreement); and (iii) any claims that prevent the Purchaser from using the Purchased Equipment. The Parties acknowledge and agree that, in the event of any claims on the Purchased Equipment from the Mexican tax authorities, which claim is made within a period of six months following the Closing Date, each Party shall promptly notify the other Party thereof, the Vendor shall have the right by notice to the Purchaser not later than 30 days after receipt of such notice to participate in or control the defence of such claim (following which notice Vendor shall diligently and reasonably defend, dispute or compromise such claim); and the defending Party shall defend, dispute, settle or compromise such claim in good faith and acting reasonably.

- (b) Upon receiving written direction from the Purchaser and the Vendor, or upon the expiry of six months following the Closing Date, whichever is earlier, the Purchaser's Solicitors shall pay out of the Holdback the amount of the adjustments settled under this Agreement, including this Article 4, if any, that are in favour of the Purchaser. The remainder of the Holdback, if any, plus the interest earned on the Holdback, after paying the foregoing adjustment shall be distributed to the Vendor and credited against the Purchase Price, in satisfaction of the Purchaser's obligation to pay the Purchase Price.

ARTICLE 5

REPRESENTATIONS AND WARRANTIES

5.1 Purchaser's Representations and Warranties

The Purchaser hereby represents and warrants to and in favour of the Vendor that, both now and at the Closing Date:

- (a) the Purchaser is a corporation duly incorporated and validly subsisting under the laws of the jurisdiction of its incorporation and has the requisite power and authority to enter into this Agreement and to complete the Transaction;
- (b) the Purchaser has taken all necessary corporate action to authorize the entering into and performance by it of this Agreement;
- (c) provided that the Court Approval is obtained, execution, delivery and performance of this Agreement by the Purchaser does not and will not require any consent, approval, authorization or other order of, action by, filing with or notification to, any Governmental Authority, except where failure to obtain such consent, approval, authorization or action, or to make such filing or notification, would not prevent or materially delay the consummation by the Purchaser of the Transaction; and
- (d) this Agreement has been duly executed and delivered by the Purchaser and constitutes a legal, valid and binding obligation of the Purchaser and is enforceable against the Purchaser in accordance with its terms, except as enforceability may be limited by applicable bankruptcy, insolvency, reorganization or similar Applicable Laws relating to creditors' rights generally and subject to general principles of equity.

5.2 Limited Representations and Warranties by the Vendor

- (a) The Vendor hereby represents and warrants to and in favour of the Purchaser that, both now and at the Closing Date:

- (i) it has the legal right, title, and authority to sell the Vendor's Interest in the Purchased Equipment to the Purchaser on the terms and conditions of this Agreement, free and clear at Closing of all Encumbrances other than Permitted Encumbrances;
 - (ii) is a corporation duly incorporated and validly subsisting under the laws of the jurisdiction of its incorporation and has the requisite power and authority to enter into this Agreement and to complete the Transaction;
 - (iii) it has taken all necessary corporate action to authorize the entering into and performance by it of this Agreement;
 - (iv) provided that the Court Approval is obtained, execution, delivery and performance of this Agreement by it does not and will not require any consent, approval, authorization or other order of, action by, filing with or notification to, any Governmental Authority, except where failure to obtain such consent, approval, authorization or action, or to make such filing or notification, would not prevent or materially delay the consummation by it of the Transaction;
 - (v) this Agreement has been duly executed and delivered by it and constitutes a legal, valid and binding obligation of it and is enforceable against it in accordance with its terms, except as enforceability may be limited by applicable bankruptcy, insolvency, reorganization or similar Applicable Laws relating to creditors' rights generally and subject to general principles of equity; and
 - (vi) the Purchased Equipment was imported into Mexico in compliance with Applicable Laws.
- (b) Except as expressly set out in Section 5.2(a), neither the Vendor nor any of its Representatives makes any representations or warranties, and in particular, and without limiting the generality of the foregoing, the Vendor disclaims and neither the Vendor nor any of its Representatives shall be liable for any representation or warranty which may have been made or alleged to be made in any instrument or document related hereto or in any statement or information made or communicated to the Purchaser in any manner including any opinion, information, or advice which may have been provided to the Purchaser by the Vendor or any of its Representatives in connection with the Purchased Equipment or in relation to the Transaction. For greater certainty, neither the Vendor nor any of its Representatives makes any condition, representation or warranty, express or implied, with respect to:
- (i) the Data Room Information or any other data or information supplied by the Vendor or any of its Representatives in connection with the Purchased Equipment, including by way of management presentations or otherwise;
 - (ii) the value of any of the Purchased Equipment or the future cash flow therefrom;
 - (iii) the quality, condition, description, fitness for purpose, suitability, serviceability or merchantability of the Purchased Equipment; or
 - (iv) tax issues relating to the Vendor or the Purchased Equipment.
- (c) The Purchaser acknowledges and confirms that it has had an opportunity to conduct any and all due diligence regarding the Purchased Equipment and, except for the representations set out in Section 5.2(a) herein, that it is relying on its own investigations concerning the Purchased Equipment and it has not relied on advice from the Vendor or any of its Representatives with respect thereto, including with respect to the matters specifically enumerated in the immediately preceding paragraphs in connection with the purchase of the Purchased Equipment pursuant

hereto. The Purchaser further acknowledges and agrees that it is acquiring the Purchased Equipment on an "as is, where is" basis. The Purchaser acknowledges and agrees that it is familiar with the condition of the Purchased Equipment, and that the Vendor has provided the Purchaser with a reasonable opportunity to inspect the Purchased Equipment at the sole cost, risk and expense of the Purchaser and that the Purchaser is not relying upon any representation or warranty of the Vendor as to the condition of the Purchased Equipment, except for the representations set out in Section 5.2 (a).

- (d) Except for its express rights under this Agreement (including with respect to the representations under Section 5.2(a)), the Purchaser hereby waives all rights and remedies (whether now existing or hereinafter arising and including all common law, tort, contractual and statutory rights and remedies) against the Vendor and its Representatives in respect of the Purchased Equipment or the Transaction or any representations or statements made or information or data furnished to the Purchaser or its Representatives in connection herewith (whether made or furnished orally or by electronic, faxed, written or other means).

ARTICLE 6 COVENANTS

6.1 Maintenance of Purchased Equipment Until Closing

Until Closing the Vendor shall:

- (a) conduct the Vendor's business in the ordinary and usual course in compliance with Applicable Laws and with regard to the Vendor's financial situation;
- (b) keep the Purchaser informed of material developments that may impact the Purchased Equipment or the Transaction;
- (c) cause the Purchased Equipment to be operated and maintained in accordance with generally accepted industry practices; and
- (d) maintain appropriate security and inventory controls over the Purchased Equipment.

6.2 Court Approval

The Vendor shall prepare all materials, and shall promptly apply to the Alberta Court for, and use its commercially reasonable efforts to obtain, the Court Approval as soon as reasonably practicable following the date hereof. The Purchaser, at its own expense, shall promptly provide to the Vendor all such information and assistance within the Purchaser's power as the Vendor may reasonably request to obtain the Court Approval, including such information as may be required to reasonably evaluate the Purchaser's financial ability to perform its obligations hereunder. The application for the Court Approval may be adjourned or rescheduled by the Vendor or its Representatives upon notice to the Purchaser.

6.3 Expenses

On Closing, the Purchaser shall be responsible for and pay if, as and when required:

- (a) any and all costs of dismantling or removing Purchased Equipment from their present location and/or transporting them to a new location; and
- (b) the cost of repairing any damage caused by dismantling or removal of any of the Purchased Equipment from their present location and/or transporting to a new location.

The Purchaser shall repair and be liable for any and all Claims, Losses and Liabilities whatsoever caused by or in any way arising out of any dismantling or removal of any Purchased Equipment, or any failure to dismantle or remove any Purchased Equipment. Further, the Purchaser shall indemnify and save harmless the Vendor, its Representatives, the Receiver and its and their respective officers, directors, employees or other representatives in respect of and from any and all Claims, Losses and Liabilities that any of them may incur or suffer by reason of any dismantling or removal of any Purchased Equipment, or any failure to dismantle or remove any Purchased Equipment.

ARTICLE 7 CONDITIONS

7.1 Mutual Conditions

The respective obligations of the Parties to complete the Transaction are subject to the following conditions being fulfilled or performed as at or prior to the Time of Closing:

- (a) the Alberta Court has granted the Court Approval;
- (b) no injunction or other order has been issued to enjoin, restrict or prohibit the Transaction; and
- (c) the Closing is not otherwise prohibited by Applicable Law.

The foregoing conditions are for the mutual benefit of the Vendor and the Purchaser and may be asserted by the Vendor or the Purchaser regardless of the circumstances and may be waived only with the Agreement of both the Vendor and the Purchaser.

7.2 Conditions for the Benefit of the Purchaser

The obligation of the Purchaser to complete the Transaction is subject to the following conditions being fulfilled or performed as at or prior to the Time of Closing:

- (a) all representations and warranties of the Vendor contained in this Agreement shall be true and correct in all material respects as at the Time of Closing with the same force and effect as if made at and as of such time;
- (b) the Vendor has complied with and performed, in all material respects, all of its covenants and obligations contained in this Agreement; and
- (c) the Vendor has not lost its ability to convey the Purchased Equipment due to an order or otherwise.

The foregoing conditions are for the exclusive benefit of the Purchaser and may be waived by it in its sole discretion, in whole or in part, at any time and from time to time without prejudice to any other rights which the Purchaser may have. If the said condition has not been complied with or waived by the Purchaser at or before the Time of Closing, the Purchaser may terminate this Agreement by written notice to the Vendor.

7.3 Conditions for the Benefit of the Vendor

The obligation of the Vendor to complete the Transaction is subject to the following conditions being fulfilled or performed as at or prior to the Time of Closing:

- (a) all representations and warranties of the Purchaser contained in this Agreement shall be true and correct in all material respects as at the Time of Closing with the same force and effect as if made at and as of such time;

- (b) the Purchaser has complied with and performed in all material respects all of its covenants and obligations contained in this Agreement;
- (c) the Vendor has not lost its ability to convey the Purchased Equipment due to an order or otherwise; and
- (d) if the Purchased Equipment is being used to fulfill obligations under a drilling contract at the Time of Closing, then the Vendor is satisfied, in its sole discretion, that such drilling contract will be concurrently and correspondingly assigned to a person with the right to use the Purchased Equipment for the purposes of continuing to fulfill such obligations.

The foregoing conditions are for the exclusive benefit of the Vendor and may be waived by it in its sole discretion, in whole or in part, at any time and from time to time without prejudice to any other rights which the Vendor may have. If any of the said conditions have not been complied with or waived by the Vendor at or before the Time of Closing, the Vendor may terminate this Agreement by written notice to the Purchaser.

7.4 Satisfaction of Conditions

Each of the Parties shall proceed diligently and in good faith and use all commercially reasonable efforts to fulfill and assist in the fulfillment of the conditions set forth in Sections 7.1, 7.2 and 7.3. In addition, each of the Parties agrees not to take any action that could reasonably be expected to preclude, delay or have an adverse effect on the Transaction or would render, or may reasonably be expected to render, any representation or warranty made by it in this Agreement untrue in any material respect.

ARTICLE 8 CLOSING

8.1 Closing Date and Place of Closing

Subject to the conditions set out in this Agreement, the Transaction shall close and be completed on the Closing Date. The completion of the Transaction shall take place at the Time of Closing at the offices of the Receiver's Solicitors, or at such other time or such other location as the Parties may agree in writing.

8.2 Deliveries on Closing by the Vendor

The Vendor shall deliver to the Purchaser at the Time of Closing:

- (a) an Alberta Court certified copy of the Court Approval;
- (b) a bill of sale or invoice in a form satisfactory to the Parties acting reasonably regarding the conveyance of the Purchased Equipment, duly executed by the Vendor;
- (c) an undertaking from HSBC Bank Canada to discharge all security registrations filed against the Purchased Equipment in Mexico;
- (d) a certified copy of a shareholder resolution of the shareholders of the Vendor with respect to authorizing this Agreement and the performance of the obligations hereunder;
- (e) evidence of cancellation of the contracts listed in Schedule 8.2(e);
- (f) all of the Books and Records in the Receiver's possession, provided that the Receiver may retain any copies of the Books and Records that it is required to keep under Applicable Law; and
- (g) such other documents as are required by this Agreement.

8.3 Deliveries on Closing by the Purchaser

The Purchaser shall deliver to the Vendor at the Time of Closing:

- (a) the Purchase Price payable in readily available funds to the Vendor in accordance with Section 3.2;
- (b) a bill of sale or invoice in a form satisfactory to the Parties acting reasonably regarding the conveyance of the Purchased Equipment, duly executed by the Purchaser; and
- (c) such other documents as are required by this Agreement.

8.4 Risk and Insurance

- (a) The risk of loss of the Purchased Equipment shall remain with the Vendor until Closing, and if Closing occurs, shall be transferred to the Purchaser as of the Time of Closing.
- (b) Any insurance, including property, liability and other insurance maintained by the Vendor shall not be transferred as of the Time of Closing, but shall remain the responsibility of the Vendor until the Time of Closing. The Purchaser shall be responsible for placing its own property, liability and other insurance coverage with respect to the Purchased Equipment in respect of the period from and after the Time of Closing.
- (c) If, prior to Closing, the Purchased Equipment shall be substantially damaged or destroyed by fire or other casualty which materially and substantially affects the value of the Purchased Equipment, then except where such event shall have been caused by the Purchaser or its Representatives, at its option, the Purchaser may decline to complete the Transaction. Such option shall be exercised by delivering notice thereof to the Vendor within 15 days after notification to the Purchaser by the Vendor of the occurrence of such damage or destruction (or prior to the Closing Date if such occurrence takes place within 15 days of the Closing Date). If, because of such damage, destruction or casualty, the Purchaser exercises their option to decline to complete the Closing of the Transaction, this Agreement shall be terminated automatically and the Purchaser shall not be entitled to any other compensation or claim against the Vendor. If the Purchaser does not exercise their option under this section to decline to complete the Transaction, the Purchaser shall complete the Transaction and shall be entitled to an assignment of the proceeds of insurance referable to such damage or destruction. Where any damage or destruction is not substantial, the Purchaser shall complete the Transaction and shall be entitled to an assignment of the proceeds of insurance referable to such damage or destruction provided that such damage or destruction is insured or, otherwise, to an agreed abatement. If any dispute arises under this section as to whether damage or destruction is substantial or with respect to the amount of any abatement, such dispute will be determined by the Alberta Court, or by such other person or in such other manner as the Alberta Court may direct.

ARTICLE 9 TERMINATION

9.1 Grounds for Termination

This Agreement may be terminated at any time prior to Closing by either the Vendor or the Purchaser (as applicable) if the conditions for the benefit of the Vendor or Purchaser (as applicable) pursuant to the provisions of Article 7 are not satisfied or waived by or on the Closing Date.

9.2 Effect of Termination

Notwithstanding any termination of this Agreement by the Vendor or the Purchaser as permitted under Section 8.4(c) or Section 9.1, the provisions of Sections 10.1, 10.3, 10.4, 10.10 and 10.13 shall remain in full force and effect following any such permitted termination.

ARTICLE 10 MISCELLANEOUS

10.1 Public Announcements

If a Party intends to issue a press release or other public disclosure of this Agreement, the terms hereof or the Transaction, the disclosing Party shall provide the other Party with an advance copy of any such press release or public disclosure with sufficient time to enable the other Party to review such press release or other public disclosure and provide any comments. The disclosing Party shall not issue such press release or other public disclosure without the prior written consent of the other Party, such consent not to be unreasonably withheld.

10.2 Obligations to Survive

The obligations, covenants, representations and warranties (if any) of the Parties set out in this Agreement shall survive Closing, shall remain in full force and effect, shall not merge as a result of Closing and shall be binding on the Parties thereafter.

10.3 Governing Law

This Agreement shall be governed by and construed in accordance with the laws of the Province of Alberta and the federal laws applicable therein (excluding any conflict of law rule or principle of such laws that might refer such interpretation or enforcement to the laws of another jurisdiction). Each Party irrevocably submits to the exclusive jurisdiction of the Alberta Court with respect to any matter arising hereunder or relating hereto.

10.4 Damages

Under no circumstance shall any of the Parties, their Representatives or their respective directors, officers, employees or agents be liable for any punitive, exemplary, consequential or indirect damages (including for greater certainty, any loss of profits) that may be alleged to result, in connection with, arising out of, or relating to this Agreement or the Transaction.

10.5 Further Assurances

Each of the Parties hereto from and after the date hereof shall, from time to time, and at the request and expense of the Party requesting the same, do all such further acts and things and execute and deliver such further instruments, documents, matters, papers and assurances as may be reasonably requested to complete the Transaction and for more effectually carrying out the true intent and meaning of this Agreement.

10.6 No Assignment by Purchaser

The Purchaser shall not, without the Vendor's prior written consent, assign any right or interest in this Agreement, which consent may be withheld in the Vendor's sole and absolute discretion, except that the Purchaser shall have the right to assign any or all of its rights, interests or obligations hereunder to one or more Affiliates of the Purchaser, provided that such Affiliate agrees to be bound by the terms of this Agreement and provided that the Purchaser shall remain liable hereunder for any breach of the terms of this Agreement by such Affiliate.

10.7 Waiver

No failure on the part of any Party in exercising any right or remedy hereunder shall operate as a waiver thereof, nor shall any single or partial exercise of any such right or remedy preclude any other or further exercise thereof or the exercise of any right or remedy in law or in equity or by statute or otherwise conferred. No waiver by any Party of any breach (whether actual or anticipated) of any of the terms, conditions, representations or warranties contained herein shall take effect or be binding upon that Party unless the waiver is expressed in writing under the authority of that Party. Any waiver so given shall extend only to the particular breach so waived and shall not limit or affect any rights with respect to any other or future breach.

10.8 Amendment

This Agreement shall not be varied in its terms or amended by oral agreement or by representations or otherwise other than by an instrument in writing dated subsequent to the date hereof, executed by a duly authorized representative of each Party.

10.9 Time of the Essence

Time is of the essence in this Agreement.

10.10 Costs and Expenses

Each Party shall be responsible for all costs and expenses (including the fees and disbursements of legal counsel, bankers, investment bankers, accountants, brokers and other advisors) incurred by it in connection with this Agreement and the Transaction. No Party shall be responsible for the costs and expenses of the other Party.

10.11 Notices

Any notice, demand or other communication required or permitted to be given to any Party shall be given in writing and addressed as follows:

- (a) in the case of the Vendor or the Receiver:

Ernst & Young Inc.
1000, 440 2nd Avenue S.W.
Calgary, AB Canada T2P 5E9
Attention: Neil Narfason
Fax: 403.206.5075
Email: neil.narfason@ca.ey.com
With a copy to the

And with a copy to the Receiver's Solicitors:

Borden Ladner Gervais LLP
1900, 520 – 3rd Ave S W
Calgary, AB, Canada T2P 0R3
Attention: Patrick T. McCarthy, Q.C./Jessica L. Cameron
Fax: 403.266.1395
Email: pmccarthy@blg.com / jcameron@blg.com

- (b) In the case of the Purchaser:

Simmons Edeco Inc.
Suite 500 Mount Royal Place
1414 – 8 Avenue SW

Calgary, AB, Canada T2R 1J6
Attention: Chris Reimchen
Fax: 403.245.5156
Email: creimchen@simmonedeco.com

And with a copy to the Purchaser's Solicitors:

Burnet Duckworth & Palmer LLP
Suite 2400, 525 – 8 Avenue SW
Calgary, AB, Canada T2P 1G1
Attention: Carole Hunter
Fax: 403.260.0332
Email: chunter@bdplaw.com

Any such notice, if personally delivered, shall be deemed to have been validly and effectively given and received on the Business Day of such delivery and if sent by facsimile or other electronic communication with confirmation of transmission, shall be deemed to have been validly and effectively given and received on the Business Day next following the day it was received.

10.12 Enurement

This Agreement is binding upon, and enures to the benefit of, the Parties and their respective successors and permitted assigns.

10.13 Third Party Beneficiaries

Each Party intends that this Agreement shall not benefit or create any right or cause of action in or on behalf of any person other than the Parties and their successors and permitted assigns, and no person, other than the Parties and their successors and permitted assigns shall be entitled to rely on the provisions hereof in any action, suit, proceeding, hearing or other forum.

10.14 Severability

If any provision of this Agreement or any document delivered in connection with this Agreement is partially or completely invalid or unenforceable, the invalidity or unenforceability of that provision shall not affect the validity or enforceability of any other provision of this Agreement, all of which shall be construed and enforced as if that invalid or unenforceable provision were omitted. The invalidity or unenforceability of any provision in one jurisdiction shall not affect such provision validity or enforceability in any other jurisdiction.

10.15 Entire Agreement

This Agreement constitutes the entire agreement between the Parties with respect to the subject matter hereof and cancel and supersede all prior agreements, understandings, negotiations and discussions, whether oral or written, between the Parties with respect to the subject matter hereof. There are no conditions, covenants, agreements, representations, warranties or other provisions, whether oral or written, express or implied, collateral, statutory or otherwise, relating to the subject matter hereof other than those contained in this Agreement.

10.16 Counterparts

This Agreement may be executed in any number of counterparts, each of which shall be deemed to be an original and all of which shall constitute one and the same agreement. Transmission by facsimile or other electronic means of an executed counterpart of this Agreement shall be deemed to constitute due and sufficient delivery of such counterpart.

[Remainder of page is intentionally blank]

IN WITNESS WHEREOF this Agreement has been properly executed by the Parties as of the date first above written.

BW SERVICES LUXEMBOURG S.À.R.L.

Per: _____

Name:

Title: Sole Manager/Authorised Signatory
(as the case may be)

SE RIG EQUIPMENT COMPANY S.A DE C.V.

Per: _____

Name:

Title:

Receipt acknowledged as of the date first above written.

**ERNST & YOUNG INC., in its capacity as receiver of
Calmena Energy Holdings Ltd. and not in its corporate
or personal capacity**

Per: _____

Name:

Title:

IN WITNESS WHEREOF this Agreement has been properly executed by the Parties as of the date first above written.

BW SERVICES LUXEMBOURG S.À.R.L.

Per: _____

Name: _____

Title: Sole Manager/Authorised Signatory
(as the case may be)

SE RIG EQUIPMENT COMPANY S.A DE C.V.

Per: _____

Name: *Victor Reddy*

Title: *Director*

Receipt acknowledged as of the date first above written.

**ERNST & YOUNG INC., in its capacity as receiver of
Calmena Energy Holdings Ltd. and not in its corporate
or personal capacity**

Per: _____

Name: _____

Title: _____

IN WITNESS WHEREOF this Agreement has been properly executed by the Parties as of the date first above written.

BW SERVICES LUXEMBOURG S.À.R.L.

Per: _____

Name: _____

Title: Sole Manager/Authorised Signatory
(as the case may be)

SE RIG EQUIPMENT COMPANY S.A DE C.V.

Per: _____

Name: _____

Title: _____

Receipt acknowledged as of the date first above written.

**ERNST & YOUNG INC., in its capacity as receiver of
Calmena Energy Holdings Ltd. and not in its corporate
or personal capacity**

Per: _____

Name: *Peter Chisholm*

Title: *Vice President*

SCHEDULE 1.1(X)
PURCHASED EQUIPMENT

736 Inventory Parts update 2015

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RIG 736 STANDARD LAND RIG DETAILS

A. Land Rig Summary

Item

General	
Rig Name/Number :	Calmena 736
Rig Type or Model:	Triple electric
Rig Owner :	Calmena Energy Services
Year Built/Re-built:	1980
Constructed by:	Precision Drilling
Current Location:	Poza Rica Yard Number 2
Current Status:	standby
Number of Loads:	
- Rig	46
- Camp	2
Average load size (lbs):	28 ton (61,719 lbs)
Estimated Time:	
- Rig Down	15 HRS
- Rig Up	24 HRS
- Rig move for 15 miles	24 HRS DAY LIGHT
Fuel Consumption: (gal/day)	1050 TO 1800 gal / day
Certification Status:	MAST & SUB FULL WMPI TUBOSCOPE/IDS OCTOBER 2012
Date of last survey including Survey Company:	OCTOBER 2012 TUBOSCOPE
Operating Capabilities	
Nominal vertical depth rating with 4" drill pipe	11,811 ft
Maximum Static Hook Load (lbs)	365000 lbs.
Maximum Setback Load (lbs)	325000 lbs.
Maximum Rotary Load (lbs)	350000 lbs.
Maximum Top Drive Load (lbs)	N/A
Storage Facilities	
Fuel - bbls	150 bbls.
Drill Water - bbls	408 bbls.
Potable Water - bbls	N/A
Active Drilling Fluid - bbls	1,178 bbls. USABLE
Reserve Drilling Fluid - bbls	149 bbls.
Maximum Wind Speed (mph)	100 mph
- with no setback	100 mph
- with maximum setback	84 mph
Water for Fire Fighting - bbls	N/A. RIG IS NOT PROVIDED WITH THIS
Bulk Mud - cu.ft	N/A. RIG IS NOT PROVIDED WITH THIS
Bulk Cement - cu.ft	N/A. RIG IS NOT PROVIDED WITH THIS
Covered Sack Storage (sacks)	N/A. RIG IS NOT PROVIDED WITH THIS
Vertical Storage Diesel Tank - if Oil Based Mud - bbls	N/A. RIG IS NOT PROVIDED WITH THIS
Skid Unit (Storage of Misc Parts, Hoses, etc)	40'X8'X9'
Skid Unit (Storage of Oil, Barrels, Subs, Elevators, Slips, etc.	25 FT LONG (3' Section Subs, 5' Section Drlg Tools, 3 Oil bins 29" x 92" wide, 48" high, rest is for barrels
Sea Can (Storage of Parts)	Main parts storage 40'X8'X8'
Sea Can (Storage of Parts)	
Sling Bin (Storage of Slings, Wire Rope)	

RIG 736 LAND RIG EQUIPMENT LIST

B. General Rig Specifications

Mast & Substructure

Mast		
Manufacturer :	IDS	
Serial Number:	M-1932-2085-Rig 736	
Date of Manufacture:	Feb-11	
Height - ft:	142 ft.	
Width of base - (ft x ft) :	12.46 x	
Width of top - (ft x ft) :	8 ft X 8 ft	
Static hook load - (lbs) :	365000 lbs.	
- with 14 lines		
- with 12 lines		
- with 10 lines	390,000 lbs	
- with 8 lines	360,000 lbs	
API Gross Nominal Capacity - (lbs) :	365,000 lbs	
With rated set-back - (lbs) :		
With no set-back - (lbs) :		
Hanging weight of blocks and top drive - (lbs):	24,000 lbs	
Explosion proof lights: y/n	Y	
Ladders with cages: y/n	N	
Derrick cameras: y/n, locations	N	
Refer to Pictures		
Substructure		
Make/type :	IDS	
Serial Number:	S-1940-Rig 736	
Height - (ft) :	22' (with pony sub)	
Width - (ft) :	11.6'	
Static setback capacity - (lbs) :	600,000 lbs.	
Casing load capacity - (lbs) :	325,000 lbs.	
Setback and rotary simultaneous maximum capacity - (lbs) :		
Clear height below rotary table beams - (ft):	1.708'	
Substructure footprint - (ft x ft) :	53 x 11.6	
Refer to Pictures		
Pony Substructure		
Manufacturer:	Precision Drilling International	
Serial Number:	05-10-14753	
Model:	P4994	
Date of Manufacture:	Dec-05	
Height:	9 Feet	
Operating Capacity:	1,002,000 lbs	
Refer to Pictures		
Rig Floor Winches		
Make :	PULLMASTER	
Type :Model	PL-8 (Two Units)	
Serial Nr	Not Available	
Location	Rig Floor	
Capacity & S.W.L. - lbs :	70,000 Lbrs.	
Wire diameter - inches :	9/16"	
Automatic brakes :	YES	
Automatic spooling :	NO	
Make :	PULLMASTER	
Type :Model	PL-5 (One Unit)	
Serial Nr	Not Available	
Location	Rig Floor	
Capacity & S.W.L. - lbs :	45,000 Lbrs.	
Wire diameter - inches :	1/2"	
Automatic brakes :	YES	
Automatic spooling :	NO	
Refer to Pictures		
BOP Hoist and Trolley		
Make:	IDS	
Type:	Hydraulic Ram Type Trolley	
BOP storage:		
Capacity & S.W.L. - lbs :		
Refer to Pictures		
Drawworks and Associated Equipment		
Drawworks		
Make/type :	Dreco	

Model	800E	
Serial Nr.	166	
Rated capacity - HP :	800 Hp.	
Input power continuous - HP :	800 Hp.	
Drum type :	Cylindrical	
Drum diameter - inches:	18" x 40"	
Groove lebus for line size:	YES 1 1/8"	
Line guide make / type:	OTECO	
Spinning cathead make / type :	NO	
Breakout cathead make / type :	N/A	
Blocks safety device type / model	Crown - o - Matic	
Additional block safety device (ie. KEMS):	NO	
Brake type :	HYDROMATICO	
Maximum Line Pull 10 lines - lbs :	331,000 lbs.	
Maximum Line Pull 8 lines - lbs :	275,000 lbs.	
Drilling Line Spool	YES 1 1/8"	
Refer to Pictures		
Drawworks power		
Number of Motors	1	
Motor make :	General Electric	
Motor model :	5GE752AR2A	
Serial Nr.	7540814	
Maximum input power continuous - HP :	800 Hp.	
Refer to Pictures		
Drawworks Blower		
Make	U.S. Electrical Motors	
Serial No.	B1197120041001F	
HP	10 Hp.	
Volts.	575 Volts.	
Amps.	10.1 Amps.	
RPM	3,485 RPM	
Frame	215T	
Refer to Pictures		
Drawworks Transmission		
Make/type :	Dreco	
Number of speeds	2 Speed	
Model	2 Speed	
Serial Nr.	9001-D31	
Hydraulic Lube Motor		
Make		
Model		
Serial Nr.		
Hydraulic Pump		
Make		
Model		
Serial Nr.		
Control Valve		
Make	REXROTH	
Model	2HA 2	
Serial Nr.	P-69335	
Refer to Pictures		
Motor-Ventilador del radiador de enfriamiento del Malacate		
Make	Baldor	
Model	BX580191	
Serial Nr.	FC711062980	
HP	5 Hp.	
Volts.	230 / 460 Volts.	
Amps.	15 / 7.5 Amps.	
RPM	1,155 RPM	
Frame	215T	
Radiador		
Make	Manufacturing Company	
No. De parte	51000005	
Serial Nr.	152904	
Bomba centrífuga enfriamiento del Malacate		
Make	PUMPS PRESSURE	
Model	10DB2	
Serial Nr.	2370	
Motor de centrífuga enfriamiento del Malacate		
Make	WEG	
Model	AX90254	
HP	10 Hp.	
Volts.	230 / 460 Volts	
Amps.	24.5 / 12.3 Amps.	
RPM	3,510 RPM	
Frame	215JM	

Bomba de agua	1	2
Make		
Model		10DB2
Serial No.		3132
Motor electrico		
Make	WEG	WEG
Part No	JM010402	
Serial No.	BE48239	BD46198
HP	10 Hp.	10 Hp.
Volts.	230 / 460 Volts.	230 / 460 Volts.
Amps.	24.4 / 12.2 Amps	24.4 / 12.2 Amps
RPM	3,510 RPM	3,510 RPM
Frame	215JM	215JM
Auxiliary brake		
Make/Type :	Info Needed	
Model :	Info Needed	
Cooling Water System:	YES	
Automatic Drilling System		
Make:	No	
Type:	No	
Hoisting Equipment		
Crown block		
Make/type :	No Plate	
Model	No Plate	
Serial Nr	ID Number: PD-302	
Rated capacity - lbs :		
No. of sheaves :	5 sheave's plus 1 fast line sheave	
- diameter - inches	36"	
- groove size(s)- inches	1-1/8"	
Crown block safety device:		
- make	Crown -o -matic	
- type	NAUMATICO	
- bumper at crown-block with safety slings	WOOD WITH CAGE	
Refer to Pictures		
Travelling Block and Hook		

Make/type :	Skytop Brewster	
Model:	Combo	
Serial Nr.	72050-08-05-0	
Rated Capacity:	250 Tons	
No. of sheaves :	5	
Diameter of sheaves:		
Groove size(s):	1-1/8 Inch	
Date of last magnaflux survey:		
Refer to Pictures		
Drilling line		
Size - inches :	1-1/8"	
Make/Type:	CAMESA	
Length - ft :	5036 FT	
Spare reel: y/n	NO	
Refer to Pictures		
Dead line Anchor		
Make/type :	DSI Fixed Installation	
Model	DSI	
Serial Nr.	Not Available	
Load rating - lbs :	Not Available	
Refer to Pictures		
Weight Indicator		
Weight sensor make / type :	OEC	
Serial Nr.	W59918	
Date of last magnaflux survey:		
Pictures:		
Rotary table		
Make/type :	National	
Model	C-205	17 1/2 Inch
Serial Nr.	T-3601	
Refer to Pictures		
Swivel		
Make & Type :	National	In Houston Texas Repair Shop
Model	N-69	
Serial Nr.	24319	
Rated capacity - lbs :	600,000 lbs.	
Remote operated kelly cock :	NO	
Pipe handler - make / model:		
Make-up / Break-out torque - ft/lbs:		
Mudline Diameter in inches	4" Stand Pipe	
Pictures:		
Kelly spinner		
Make	IDEAL	
Model	NSCO	
Serial Nr	N-69	
Refer to Pictures		
Elevator Links		
Make / type:	VARCO	
Quantity:	1 PAIR	
Size (width x length):	2-3/4" X 108"	
Rated capacity:	350 ton (770,000 lbs)	
Date of last magnaflux survey:		
Refer to Pictures		
Elevator Links		
Make / type:	VARCO	
Quantity:	1 PAIR	
Size (width x length):	2-3/4" X 108"	
Rated capacity:	350 ton (770,000 lbs)	
Date of last magnaflux survey:		
Pictures:		
B.3.9. Tension Load Sensor		
Make/Type:	OEC	DIAPHRAM TYPE
Calibration:		
Pictures:		
B.4 Rotary System		
B.4.1. Rotary table		
Make/type :	National C-205	
Serial Number:	395	
Drive:	Driven from drawworks with Right Angle Drive	
Motor: GE 800 hp Traction Motor		

Maximum opening - inches :	20.5 inches	
Static load rating - lbs :		
Rotating load rating - lbs :		
Rated power - HP :		
Maximum continuous torque - ft-lbs :		
Soft torque rotary system :		
Maximum rotary speed (RPM) :		
Emergency chain drive :		
Drip pans or mud collection system: y/n		
Refer to Pictures		
B.4.2. Master bushings		
Make/type :	ROSTEL	
Solid or Hinged/Split type with locking device:	20-1/2" SOLID, PIN DRIVE	
Accessories (insert bowls):	#1	
Pictures:		
B.4.3. Kelly drive bushing		
Make/type :	Varco	
Size :	4.5 inch square	
Lock down assembly :	Yes	
Drive type:		
Equipped for kelly type x size:	4 1/4 inch square	
Refer to Pictures		
B.4.4. Kelly bushing safety guard		
Make/type :		
B.4.5. Casing Bushing and Bowls		
Make / type:	Arco	
Accessories:		
Insert Bowls:	#1, # 2 AND # 3 INSERT BOWLS	
Refer to Pictures		
B.4.6. Top drive		
Make & Type :	CANRIG 6027E-939	Serial # 190
Electric or hydraulic:	ELECTRIC	
Rated capacity - lbs :	605,000 lbs	
Test/working pressure - psi :	5000 psi	
Remote operated kelly cock :	YES	
If driven by electric motor:	YES	
Make & Type :	GE 761 SERIES	
Rated power - HP :	600 HP CONTINUOUS	
Rated torque - ft/lbs :		
- continuous torque	24,500 ft/lbs	
- intermittent torque	30,000 ft/lbs	
Maximum rotary speed (RPM) :	130 RPM	
- low gear		
- high gear		
Number of gears:	NO GEARS	
Pipe handler - make / model:	CANRIG 6027E-939	
Make-up / Break-out torque - ft/lbs:	24,000 / 30,000 ft/lbs	
Mudline diameter - inches :	3-1/2"	
Refer to Pictures		
Dog House		
Length	No Plate	
Width		
Height		
Serial or ID Number		
Refer to Pictures		
Mechanic Shop / Tool Room		
Length	Located on the end of Gen Building 3	
Width		
Height		
Serial or ID Number		
Refer to Pictures		
Change Room / Tea Room		
Length	No Plate	
Width		
Height		
Serial or ID Number		
Refer to Pictures		
Warehouse Number 1 (Almacen)		
Length	40'	
Width	8'	
Height	8'	

RIG 736 LAND RIG EQUIPMENT LIST

C. Power Supply Systems		
C.1 Rig Power Plant		
Prime Movers		
#1 Engine		
Make :	Caterpillar	
Type :/Model	STD / 3508	
Serial Number No. 1 Engine	68Z1074	
Continuous output power available HP each engine :	860 Hp.	
RPM	1,200 RPM	
High Idle	1,305 RPM	
Equipped with spark arrestors: y/n	YES	
Mufflers installed: y/n	YES	
Deposito de diesel		
No. De serie	213960	
Capacidad	200 Ltrs.	
Presion de trabajo	150 Psi.	
Modelo	1999	
Cargador de batería		
Marca	Lamarche	
Modelo	A20R-4-24V-A1-12L	
Serie	W239385	
In Volts.	120 Volts.	
Out Volts.	24 VDC	
Frecuencia	60 Hz.	
Pictures:		
#1 Generator		
Make :	KATO	
Type :/Model	No Plate	
Serial Number No. 1 Generator	No Plate	
RPM	1200 RPM	
Volts	347 @ 600 Volts.	
Output ratings:		
- kVa		
- kW		
- Volts	600 Volts.	
Cycles:	60	
Pictures:		
#2 Engine		
Make :	Caterpillar	
Type :/Model	STD / 3508	
Serial Number No. 2 Engine	68Z1071	
Continuous output power available HP each engine :	860 Hp.	
RPM	1,200 RPM	
High Idle	1,305 RPM	
Equipped with spark arrestors: y/n	YES	
Mufflers installed: y/n	YES	
Deposito de diesel		
No. De serie	Plate not readable	
Capacidad	200 Ltrs.	
Presion de trabajo		
Modelo		
Cargador de batería		
Marca	Lamarche	
Modelo	A20R-4-24V-A1-12L	
Serie		
In Volts.	120 Volts.	
Out Volts.	24 VDC	
Frecuencia	60 Hz.	
Pictures:		
# 2 Generator		
Make :	Kato	
Type :/Model	TIPO 26992	
Serial Number No. 2 Generator	13850-01	
RPM	1,200 RPM.	
Volts	347 @ 600 Volts.	
Output ratings:		
- kVa	1143 Kva.	
- kW	800 Kw.	
- Volts	600 Volts.	
Cycles:	60 Hertz.	
Amps.	1,100 Amps.	
Pictures:		
#3 Engine		
Make :	Caterpillar	
Type :/Model	STD / 3508	
Serial Number No. 3 Engine	68Z01073	
Continuous output power available HP each engine :	860 Hp.	

RPM	1,200 RPM	
High Idle	1,305 RPM	
Equipped with spark arrestors: y/n	YES	
Mufflers installed: y/n	YES	
Deposito de diesel		
No. De serie	Plate not readable	
Capacidad	200 Ltrs.	
Presion de trabajo		
Modelo		
Pictures:		
# 3 Generator		
Make :	Kato	
Type :/Model	TIPO 26992	
Serial Number No. 3 Generator	13850-03	
RPM	1,200 RPM	
Volts	347 @ 600 Volts.	
Output ratings:		
- kVa	1,143 Kva.	
- kW	800 Kw.	
- Volts	600 Volts.	
Cycles:	60	
Amps.	1,100 Amps.	
Pictures:		
SCR Unit		
Number of Bays:	4	
Manufacturer:	General Electric	
Serial Number:	No Plate Found	
Model Number:	1100-3-SCR	
Input Volts:	600 V AC	
Output Volts	750 V DC	
Amperage Output:	1800	
Picture:		
AC Transformer System		
Quantity :	3	
Location :	End of SCR Unit	
Make :	ROSS HILL / GE	
Type :		
Output ratings:		
- kVa:	100 kVa	
- Volts:	120 - 208 Volts.	
Input ratings:		
- kVa:	100 kVa	
- Volts:	600 Volts.	
Frequency (Hz) :	60 Hz	
Location :	End of SCR Unit	
Make :	ROSS HILL / GE	
Type :		
Output ratings:		
- kVa:		
- Volts:	110 - 220 Volts.	
Input ratings:		
- kVa:		
- Volts:		
Frequency (Hz) :		
Location :	End of SCR Unit	
Make :	ROSS HILL / GE	
Type :		
Output ratings:		
- kVa:	112.5 KVA	
- Volts:	120 - 208 Volts.	
Input ratings:		
- kVa:	112.5 KVA	
- Volts:	600 Volts.	
Frequency (Hz) :	60 Hz.	
Pictures:		
Emergency Shutdown		
Emergency shutdown switches for the complete power system	Electric Shutdown	
located at the following locations:	1	
	1 on Rig Floor (Drillers Console)	
Air Compressors - Low Pressure (rig air):		
	1	2
Quantity	Accumulator Room	Engine Room
Make	WEG	INGERSOLL - RAND
Model	3 PHASE	SSR-UP6-30-125
Serial Number - No. 1	AV97897	PY1520U09012
Rated capacity		CALIBRE 30
Working pressure - psi	125 Psi.	40 @ 90 PSI.
Recievers		
HP	10 Hp.	30 Hp.
Prime mover (electric/diesel)	ELECTRIC	ELECTRIC
RPM	1765 RPM	1,770 RPM
Amps.	10.1 Amps.	71.2 / 35.6 Amps.
Volts	57.5 Volts.	230 / 460 Volts.

Hz.	60 Hz	60 Hz
Kw.	7.5 Kw.	22.5 Kw
Frame	215T	286TZ
Pump Compressor		
Make	Leroi	INGERSOLL - RAND
Type	2 Cylinder	54726118
Serial No.	4038X97T7	836060
Model	660A	2,000
Pressure		232 Psi.
Working Pressure	125 Psi	125 Psi.
Pictures:		
Air Receivers		
Quantity	1	
Make		
Model		
Serial Nr	5505816	302513
Relief Valves	150 PSI.	150 PSI.
Model	3M 1/4"	3M 1/4"
Serial Nr's	181-70-18 FFE	181-70-18 FFE
Capacity	873 Ltrs.	470 Ltrs.
Rated capacity	165	
Working pressure - psi	125 Psi.	125 Psi.
Dimensions	89" X 29"	
Accessories	Pressure Relief	
Emergency Power		
	Transformer	
Hydraulic Unit		
Motor electric	No Plate	
Model	No Plate	
Serial Nr.	Pump is Missing	
Pump:	Pump is Missing	
Make	Parker	
Model	C04C135	HPU Located in Substructure
Serial Nr.	P1140PS25RUJAC009100000	
Capacity:	237.75 Gal.	
Picture:		
Bomba de enfriamiento del sistema hidraulico.		
Motor electrico	No Plate	
Bomba de agua de enfriamiento separador de aceite de hidraulica.		
Motor electrico	No Plate	
Modelo	M3546-5	
No Serie	35A11-292	
HP	1 Hp.	
Volts.	575 Volts.	
Amps.	1.4 Amps.	
RPM	1,725 RPM	
Frame	56	

RIG 736 LAND RIG EQUIPMENT LIST

D. Drill String / Handling Tools

Drill Pipe		
OD/ID body (inches)	OD 4" - ID 3.095"	
Quantity jts.:	293	
Estimated total length - ft		
Grade:	DP-SS95	
Weight - lbs/ft :	16.6	
Range:		
Type of connection	4" FH	
API Class:		
Tool joint OD (inches)	5.25"	
Tool joint ID (inches)	2-1/4"	
Type of hard banding		
Internal Plastic Coated:	YES	
Pin and Box Protectors:	YES	
Last Inspection / Standard of Inspection:		
Picture:		
Drill Pipe Pup Joints		
OD/ID body (inches)	OD 4" x ID 3.095"	
Quantity jts.:	1	
Estimated total length - ft	5'	
Grade:	G-105	
Weight - lbs/ft :	15.7	
Range:		
Type of connection	4" FH	
API Class:		
Tool joint OD (inches)	5-1/4"	
Tool joint ID (inches)	2-1/4"	
Type of hard banding		
Internal Plastic Coated:		
Pin and Box Protectors:	YES	
OD/ID body (inches)	OD 4" x ID 3.095"	Not Seen (maybe buried in pipe tubs)
Quantity jts.:	1	
Estimated total length - ft	10	
Grade:	G-105	
Weight - lbs/ft :	15.7	
Range:		
Type of connection	4" FH	
API Class:		
Tool joint OD (inches)	5-1/4"	
Tool joint ID (inches)	2-1/4"	
Type of hard banding		
Internal Plastic Coated:	YES	
Pin and Box Protectors:	YES	

RIG 736 LAND RIG EQUIPMENT LIST

D. Drill String / Handling Tools

OD/ID body (inches)	OD 4" x ID 3.095"	Not Seen (maybe buried in pipe tubs)
Quantity jts.:	1	
Estimated total length - ft	15	
Grade:	G-105	
Weight - lbs/ft :	15.7	
Range:		
Type of connection	4" FH	
API Class:		
Tool joint OD (inches)	5-1/4"	
Tool joint ID (inches)	2-1/4"	
Type of hard banding		
Internal Plastic Coated:	YES	
Pin and Box Protectors:	YES	
Hevi-Wate Drill Pipe		
OD/ID body (inches)	OD 4 " - ID 2-9/16"	
Quantity jts.:	26	
Estimated total length - ft	810.36'	
Grade:		
Weight - lbs/ft :	27.72 lbs/ft	
Range:	2	
Type of connection	4" FH	
API Class:		
Tool joint OD (inches)	5-1/4"	
Tool joint ID (inches)	2-9/16"	
Type of hard banding		
Internal Plastic Coated:	Yes	
Pin and Box Protectors:	Yes	
Drill Collars		
1) Quantity :	6	
OD/ID body (inch)	8" X 2 7/8"	
Type of connection:	6 5/8 reg	
Weight (lbs/ft):	149.7	
API Class:		
Range:	2	
Slick or Spiral:	Spiral	
Slip and/or elevator access:	NO	
Stress relief:	NO	
Pin and box protectors:	YES	
Boreback on box:	YES	
Date of Purchase:		
Manufacturer:		
Last Inspection:		

RIG 736 LAND RIG EQUIPMENT LIST

D. Drill String / Handling Tools

2) Size OD/ID body (inch)	6 1/2 x 2 1/2"	
Quantity :	6	
Type of connection:	4 IF NC 46	
Weight (lbs/ft):	91.7	
Range:	2	
Slick or Spiral:	SPIRAL	
Slip and/or elevator access:	NO	
Stress relief:	NO	
Pin and box protectors:	YES	
Boreback on box:	YES	
Date of Purchase:		
Manufacturer:		
Last Inspection:		
3) Size OD/ID body (inch)	4 3/4" x 2 1/2"	
Quantity :	5	
Type of connection:	3 1/2 IF	
Weight (lbs/ft):	46.8	
Range:	2	
Slick or Spiral:	SPIRAL	
Slip and/or elevator access:	NO	
Stress relief:	NO	
Pin and box protectors:	YES	
Boreback on box:	YES	
Date of Purchase:	Apr-09	
Manufacturer:		
Last Inspection:		
Upper Kelly Cock		
Make/Type:		
Quantity:		
Size OD/ID body: inch		
Working pressure / test pressure:		
Connections upper/lower:		
Lower Kelly Cock		
Make/Type:		
Quantity:		
Size OD/ID body: inch		
Working pressure / test pressure:		
Connections upper/lower:		
Available Cross Over Subs for DC:		
Bit Subs		
Quantity:		
Length, OD, ID:		
Bored for float valve:		
Thread Types		

RIG 736 LAND RIG EQUIPMENT LIST

D. Drill String / Handling Tools

Cross-Over		
Quantity:	1	
Length, OD, ID:	8"	
Connection:	4" FH X 7 5 / 8"	Pin - Box
Date of last inspection:		
Quantity:	1	
Length, OD, ID:	12"	
Connection:	4 1/2" X 4" FH	Pin - Box
Date of last inspection:	04-Oct-11	
Quantity:	1	
Length, OD, ID:	12"	
Connection:	4 1/2" XH X 3 1/2" IF	Pin - Box
Date of last inspection:		
Quantity:	1	
Length, OD, ID:	7 1/2"	
Connection:	4 1/2" XH X 4" FH	Pin - Box
Date of last inspection:		
Quantity:	1	
Length, OD, ID:	15 1/2"	
Connection:	4" 8HR X 4" FH	Pin - Box
Date of last inspection:		
Quantity:	1	
Length, OD, ID:	8 1/2"	
Connection:	4 1/2" IF X 7" 8HR	Pin - Box
Date of last inspection:		
Quantity:	1	
Length, OD, ID:	9"	
Connection:	4 1/2" IF X 7" 8HR	Pin - Box
Date of last inspection:		
Quantity:	1	
Length, OD, ID:	45 1/2"	
Connection:	4 1/2" IF X 7" 8HR	Pin - Box
Date of last inspection:		
Quantity:	1	
Length, OD, ID:	45 1/2"	
Connection:	4 1/2" IF X 7" 8HR	Pin - Box
Date of last inspection:		
Quantity:	1	
Length, OD, ID:	11"	
Connection:	4" FH	Pin - Box
Date of last inspection:	04-Oct-11	
Circulating Nubbins		
Make/Type:		
Quantity:	1	
Bottom Connection:	4" FH	
Top Connection:	3" 1502 Hammer Union	

RIG 736 LAND RIG EQUIPMENT LIST

D. Drill String / Handling Tools

Casing Circulation Subs		
Quantity	1	Length: 22"
Make/Type	BTC	
OD body	9-5/8"	
Connection type	4 FH	

RIG 736 LAND RIG EQUIPMENT LIST

D. Drill String / Handling Tools

Quantity	1	Length: 17"
Make/Type	BTC	
OD body	9-5/8"	
Connection type	2" NPT	
Quantity	1	Length: 10"
Make/Type	BTC	
OD body	9-5/8"	
Connection type	2" NPT	
Quantity	1	
Make/Type	BCN	
OD body	7"	
Connection type		
Quantity	1	
Make/Type	BCN	
OD body	13"	
Connection type	2" NPT	
Quantity	1	
Make/Type	8 HR	
OD body	7 3/8"	
Connection type	4" FH	
Quantity	1	
Make/Type	BCN	
OD body	7"	
Connection type	7" BCN X 3 1/2"	
Quantity	1	
Make/Type	BTC	
OD body	3 1/2"	
Connection type	3 1/2" BTC X 4" FH	
Quantity	1	
Make/Type	BTC	
OD body	7"	
Connection type	7" BTC X 4"FH	
Quantity	1	
Make/Type	8 HR	
OD body	7"	
Connection type	7" 8 HR X 4"FH	
Quantity	1	
Make/Type	FH	
OD body	4"	
Connection type	4" FH X 2" 8HR	
Cushion Sub		
Quantity	1	
Make/Type	4FH WHITH CONECCION 1/2"	
Length, OD, ID:	4"FH	
Connection type	4"FH	
Handling Tools		

RIG 736 LAND RIG EQUIPMENT LIST

D. Drill String / Handling Tools

Elevators - Drill Pipe and Casing		
Make/Type:	VARCO BJ	
Capacity:	150 TONS. / 135 MTONNES	
Size Range:	13 3/8"	
Quantity:	1	
Date of last magnaflux survey:		

RIG 736 LAND RIG EQUIPMENT LIST

D. Drill String / Handling Tools

Make/Type:	VARCO BJ	
Capacity:	150 TONS. / 135 MTONNES	
Size Range:	7"	
Quantity:	1	
Date of last magnaflux survey:		
Make/Type:	VARCO BJ	
Capacity:	150 TONS. / 135 MTONNES	
Size Range:	3 1/2 @ 5 1/2"	
Quantity:	1	
Date of last magnaflux survey:		
Make/Type:	WTM	
Capacity:	100 TONS.	
Size Range:	3 1/2"	
Quantity:	1	
Date of last magnaflux survey:		
Make/Type:	VARCO BJ	
Capacity:	150 TONS. / 135 MTONNES	
Size Range:	4 1/2"	
Quantity:	1	
Date of last magnaflux survey:		
Manual Slips - Drill Pipe / Drill Collars		
Make/Type:	6 1/2"	
Capacity:		
Quantity:	1	
Date of last magnaflux survey:		
Make/Type:	8"	
Capacity:		
Quantity:	1	
Date of last magnaflux survey:		
Make/Type:	SDXL / 4"	
Capacity:		
Quantity:	2	
Date of last magnaflux survey:		
Make/Type:	4 3/4"	
Quantity:	1	
Size range:		
Date of last magnaflux survey:		
Manual Rotary Tongs (DP, DC, and Casing)		
Make/Type:	Varco / HT55	
Quantity:	1 Set	
Jaw assemblies x size range:	3-1/2" to 13-5/8"	
Torque indicator:	Yes	
Date of last magnaflux survey:	9- ENE- 2012	
Power Rotary Tongs (DP)		
Make/Type:		
Quantity:	1 Set	
Jaw assemblies x size range:	3-1/2" to 13-5/8"	
Torque indicator:	Yes	
Date of last magnaflux survey:		
Rolling Keys		
Make/Type:	Varco / Model SSW30	
Quantity:	1	
Jaw assemblies x size range:	2 7/8" 2 9 1/2"	
Torque indicator:	YES	
Date of last magnaflux survey:		
Iron Roughneck		
Make/Type:	Not Available	

RIG 736 LAND RIG EQUIPMENT LIST

D. Drill String / Handling Tools

Pipe handling range (inches):		
Model		
Maximum break-out torque (ft-lbs):		
Maximum make-up torque (ft-lbs):		
Automated Pipe Handler - Hydraulic Catwalk		
Make/Type:	MD Cowan	
Pipe handling range (inches):		
Capacity:		
Hydraulic Power Pack:	Yes	
Picture:		

RIG 736 LAND RIG EQUIPMENT LIST

Well Control Equipment

BOP Stack

Low Pressure BOP Equipment		
Annular		
Quantity :	1	
Make :	ECTIPSA	Year of Manufacture: 24-02-12
Type :	PRE ESFERICO	SN.- SPM-603
Size (inch) :	11"	
WP (PSI) :	5000 LB	
Connection top/bottom :	11" X 5000 LB	
Closing system:	YES	
Fitted with accumulator bottle for stripping :	NO	
H2S Service:	YES	
Date of last OEM inspection:		
Picture:		
Ram type Preventer		
Quantity :	1	SN# 1257
Make :	ECTIPSA	
Type :	PRE ESFERICO	
Single/double :	Single	
Size (inch) :	11"	
WP (kPa) :	10,000 PSI.	
Side outlets:	10,000 PSI.	
- Quantity:	2	
- Size:	3 1/16"	
- Working pressure:	10,000 PSI.	
Connection top/bottom :	11" BX 158	
H2S Service:	YES	
Number / size of pipe rams:	1 Set of 4" Pipe Rams	
Number of blind rams:	N/A	
Date of last OEM inspection:		
Pictures:		
Choke Lines		
Quantity:	2	
Make/Type:	Gates	
Diameter (OD/ID):	6 "	
Working Pressure:	100,000 PSI.	
H2S Trimmed:	YES	
Primary Lines		
Quantity:	1	
Make/Type:	STEEL COVERED	
Diameter (OD/ID):	6 1/2"	
Working Pressure:	5000	
H2S Trimmed:	YES	
Second Lines		
Quantity:	1	
Make/Type:	STEEL COVERED	
Diameter (OD/ID):	6 1/2"	
Working Pressure:	5000	
H2S Trimmed:	YES	
Kill Lines		
Quantity:	1	
Make/Type:	STEEL COVERED	
Diameter (OD/ID):	3 3/8" OD 2 1/8" ID	
Working Pressure:	5000	
H2S Trimmed:	YES	

RIG 736 LAND RIG EQUIPMENT LIST

Well Control Equipment		
Manual Valves		
Quantity:	3	
Make	OIL TOOLS (OFV)	
Model	12844	
Diameter (ID):	3 1/8	
Working Pressure:	5000	
H2S Trimmed:	YES	
Hydraulic Valves		
Quantity:	1	
Make/Type:	OIL TOOLS	
Diameter (OD/ID):	3 1/8 ID	
Working Pressure:	5000	
H2S Trimmed:	YES	
Check Valves		
Quantity:	1	
Make/Type:	G575 OIL TOOLS	
Diameter (OD/ID):	3 1/8 ID	
Working Pressure:	5000	
H2S Trimmed:	YES	
BOP Rams		
Quantity:	1 set	
Size / Type:	7"	
Working Pressure:		
Quantity:	2 set	
Size / Type:	4"	
Working Pressure:		
Quantity:	1 set	
Size / Type:	3 1/2"	
Working Pressure:		
Quantity:	1 set	
Size / Type:	Blinds	
Working Pressure:		

RIG 736 LAND RIG EQUIPMENT LIST

Well Control Equipment

BOP Control System		
Accumulator unit		
Make :	Electronic Control Systems	
Model :	PLCBAR-R-5-19109918	
Serial No. :	Not Available	
Reservoir capacity litre (gal)	1362 Liters	
No. of stations:	5	
No. of bottles/banks installed	10 Oxygen + 3 Nitrogen	
Total bottle capacity litre (gal)		
Bottle working pressure (psi)	10 - 1,000 psi.	
	3 - 2,000 psi.	
	2 - 500 psi.	
Low(pressure/reservoir level or rig air pressure)audible alarm y/n	No	
Triplex pumps		
Quantity :	1	
Make :	No Plate Available	
Model :	No Plate Available	
Serial Nr.	No Plate Available	
Neumathical Pumps.		
	1	2
Make	ABB	ABB
Model	P066-T	PO66-T
Serial Nr	11102	No Plate Available
Air pumps		
Quantity :	2	
Motor Electrico		
Make	General Electric	
Modelo	5KE28VBC204	
No de serie	MKH29C773002	
HP	25 Hp.	
Volts.	575 Volts.	
Amps.	23.3 Amps.	
RPM	1,765 RPM	
Frame	284T	
Driller's control panel		
Make :	ACADEMY ELECTRIC SERVICES LTD.	
Model :		
Low accumulator system pressure audible and visual alarm y/n	NO	
Low reservoir level audible and visual alarm y/n	NO	
Low rig air pressure audible and visual alarm y/n	NO	
Pressure regulator for bag		
Control for by-pass valve		
Remote control panels		
Make :	Electronic Control Systems	
Model :	PLCVAL-L-5	
Flow Meter counter:	YES	
Location :	DOGHOUSE	

RIG 736 LAND RIG EQUIPMENT LIST

Well Control Equipment

Choke manifold		
Make :	Cameron	
Size inch	3 1/16" ID	
Working Pressure (psi)	10,000 PSI.	
H2S service y/n	YES	
Number of independent choke line inlets:	2	
Quantity of gate valves :		
Make/model :	Gates Grado 3.0	
Size inch	6 1/2"	
Working pressure:	10,000 PSI.	
Quantity of manual adjustable chokes :	1	
Make/type :	Cameron / H2	
Diameter:		
Working Pressure (psi)	10,000 PSI.	
Quantity of positive chokes :	1	
Make/type :	Cameron / H2	
Diameter:		
Working Pressure kPa (psi)	10,000 PSI.	
Quantity of hydraulic chokes :	1 Electric.	
Make/type :	Betis / Eclosure	
Diameter:		
Working Pressure (psi)	10,000 PSI.	
Power choke remote control panel y/n :	YES	
Make/type :	Pason	
Location:	Choke Manifold & Doghose	
Description:	Digital	
Possibility to replace by an adjustable choke:	YES	
Pressure gauges	Digital	
Annulus: pressure & range		
Stand pipe: pressure & range	0-5000	
Glycol injection pump y/n		
Make/type :		
Buffer Chamber		
Working pressure:	700 PSI.	
Date of last OEM inspection of entire system:		
Hydraulic Test Pump		
Make :	NA	
Model :		
Test stumps for BOP testing		
Location :	NA	
Complete with cup type test tools y/n		
Quantity:		
Make / Type:		
Working Pressure:		
Chart Recorder:	a	
BOP Test Mandrels:		
Flare Lines		
Quantity:	6	
Length:	14 ft	
Size:	4.5" OD	
Flare Ignition System		
Make:	No Plate Available	
Type:	ELECTRIC/PROPANE	
Location:	TOP OF FLARE STACK	
No. of igniter panels:	1	
- Make/type:	electric AB	
No. of propane pilots:	1	
- Locations:	TOP OF FLARE STACK	
Diesel drip pan system for ignition system:	MANUAL	
- Description:	CARRUCHA.	

RIG 736 LAND RIG EQUIPMENT LIST

Well Control Equipment		
E.3.6. Flare Tank		
Capacity	100 Bls	
Dimensions		
- Height (ft)	6 FT	
- Wide (ft)	6 1/2 FT	
- Length (ft)	16 FT	

RIG 736 LAND RIG EQUIPMENT LIST

Mud System		
Mud pumps (triplex)	Mud pumps (triplex) 1	Mud pumps (triplex) 2
Quantity:	2	(EMSCO F-1,000)
Make :	Bpmp (Baoji China)	Bpmp (Baoji China)
Model :	BSF-1000 Pump Triplex	BSF-1000 Pump Triplex
Serial Nr.	CD-06-99	CD-08-99
Power rating / pump (HP):	1000 Input & 140 SPM.	1000 Input & 140 SPM.
Mud pump driven by motors: no./type	GE 752-AR2A	Merimex 750 Series
Serial Nr.	7534606	558830
Continuous power rating of each motor: HP	1000	1000
HIGH IDLE	N/A	N/A
Rated pump speed: (spm)	N/A	N/A
Bore and stroke:	10"	10"
Crankcase Capacity	75 Gal.	75 Gal.
Hydrl	750 Psi. de Nitrogeno	750 Psi. de Nitrogeno
Maximum pump pressure: psi	5000 PSI	5000 PSI
Maximum pressure at maximum flow rate: (psi)		4-1/2" Liner = 5000 PSI
		5" Liner = 4300 PSI
		5-1/2" Liner = 3500 PSI
		6" Liner = 3000 PSI
		6-1/4" Liner = 2700 PSI
		6-1/2" Liner = 2500 PSI
		6-3/4" Liner = 2400 PSI
Pulsation Dampers	1	2
Make	Chinese	Chinese
Serial Number	873	ER6617004010
Bladder Relief Pressure	500-700 PSI	500-700 PSI
Bomba Lubricadora cuerpo mecanico	1	2
Make	Norcan	VESCOR
Models	P30A194BE101230	Sin placa de datos
NO. SERIE	B0022054	
Type	Engranes	
Motor Electrico		
Make	VP MOTORS	VP MOTORS
Serie	B2738KJ	No Plate Visable
HP	5 HP	5 HP
Volts.	575 Volts.	575 Volts.
Amps.	5 Amps.	5 Amps.
RPM	1,745 RPM	1,745 RPM
Frame	184TC	184T
Mud Pump 1 and 2	1	2
Bomba Pre-cargadora		
Marca	HALCO 2500 SUPREME	HALCO 2500 SUPREME
Model :	HV6016027AO	HV6016027AO
Serial Nr.	8579	8100139HJ
Pump Size	6 X 5 X 14	6 X 5 X 14
Impeller Size	14"	14"
Motor Electrico de Pre-cargadora		
Marca	VP MOTORS	VP MOTORS
Serial Nr.	10157G	Inlegible
HP	50 Hp	50 Hp
Volts.	575 Volts.	575 Volts.
Amps.	46 Amprs.	46 Amprs.
RPM	1,775 RPM	1,775 RPM
Frame	326T	326T
Mud Pump 1 and 2	1	2
Bomba lubricadora de Vastagos	Missing	

RIG 736 LAND RIG EQUIPMENT LIST

Mud System		
Marca	Missing	HALCO 11805
No. De Serie	Missing	6404
Modelo	Missing	S1602600244
Pump size	Missing	1 X 1.50
Impeller Size	Missing	8.5"
Motor Lubricador de vastagos		
Marca	Missing	Placa no visible.
No. De Serie	Missing	
Modelo	Missing	
Volts.	Missing	575 Volts.
Amps.	Missing	5 Amps.
HP	Missing	5 Hp
RPM	Missing	1,745 RPM
Frame	Missing	184T
Mud Pump 1 and 2	1	2
Motor de D.C.		
marca	Amerimex	Amerimex
Modelo	93436	11051
Serie	Not Available	Not Available
Volts.	750 VDC	750 VDC
Amps.	1,036 Amps.	1,036 Amps.
HP	1,000 Hp	1,000 Hp
RPM	975 RPM	975 RPM
Type	Serie	Serie
Frame	CONV	CONV
Mud Pump 1 and 2	1	2
Blower Motor		
marca	Siemens	Siemens
Modelo	Not Available	Not Available
Serie	B08T1339CE8	B08T1339CE7
Volts.	575 Volts.	575 Volts.
Amps.	9.2 Amps	9.2 Amps
HP	10 Hp.	10 Hp.
RPM	3,505 RPM	3,505 RPM
Type		R9ZZECD
Frame	215T	215T
Mud Pump 1 and 2	1	2
- Pressure relief valves	1	2
Make / Type	OTECO	OTECO
No. Serial	35983	35985
Pressure rating	3" x 5000 PSI	3" x 5000 PSI
Discharge Lines		
Inside Diameter:	6"	
Working / test pressure:	5000 LB	
Rotary hoses		
Quantity:	NA	
Diameter (ID / OD):		
Make:		
Type: (fire resistant / stainless steel / heavy armor)		
Working and test pressures:		

RIG 736 LAND RIG EQUIPMENT LIST

Mud System		
Stand Pipe Manifold		
Working / test pressure:	5,000	
Stand Pipe		
- Quantity / ODxID	4 x 3 1/8	
- Working / test pressure:	5,000	
Valve		
- Make:		
- Type:		
- Number:		
- Size:	2" & 4"	
- Working / test pressure:	5000LB / 10000LB	
Kill line and connections:	1502	
Connection for cementing unit:		
High Pressure Lines		
Quantity:	8	
Size:	4" & 2"	
Working pressure:	5000 LB	
Kill Line Manifold (between pumps & wellhead)		
Quantity:	1	
Size:	3 3/8	
Working pressure:	5,000	
Casing Fill-up Device		
Description:		
Capacity:		
Bell Nipple		
Quantity:	2	
Size:	11" & 13 5/8"	
Flow Line		
Quantity:	1	
Size:	12"	
Low Pressure Mud System – Tanks		
Mud tank system		
Active mud tanks		
Quantity :	2	
Total capacity: bbls / m3	1,248.42 bbls. / 198.49 M3	
Number of compartments:	11	
Description/Capacity No. 1: bbl	25.26 Trip Tank	
Description/Capacity No. 2: bbl	46.63 Settlement Tank 1	
Description/Capacity No. 3: bbl	106.94 Settlement Tank 2	
Description/Capacity No. 4: bbl	64.59 Transfer Tank	
Description/Capacity No. 5: bbl	166 Work Tank	
Description/Capacity No. 6: bbl	165 Work Tank	1 Agitator
Description/Capacity No. 7: bbl	165 Work Tank	1 Agitator
Description/Capacity No. 8: bbl	149 Suction Tank 1	1 Agitator
Description/Capacity No. 9: bbl	149 Suction Tank 2	1 Agitator
Description/Capacity No. 10: bbl	149 Suction Tank 3	1 Agitator
Description/Capacity No. 11: bbl	62 Pill Tank	1 Agitator
Low / high pressure mud guns:	No	
Bottom / surface guns: y/n	No	
Industrial water line installed:	Yes	
Diesel / fuel line installed:	No	
Water tanks		
Quantity :	1	
Total capacity: bbl	364.77 bbl.	

RIG 736 LAND RIG EQUIPMENT LIST

Mud System		
Pill tank		
Quantity :	1	
Description/Capacity No. 1: bbl	56.6	
Number of compartments:	1	
Mud agitators	Yes	
Low / high pressure mud guns:	NO	
Bottom / surface guns: y/n	NO	
Industrial water line installed:	YES	
Diesel / fuel line installed:	NO	
Dump valves / type:	MARIPOSA	
Connection to mixing circuit:	Yes	
Trip tank		
Total capacity: bbls	21 bbl.	
Bomba centrifuga		
Make	Halco 2500 Supreme	
Model	H6101600260	
Serial Nr	6363	
Impeller size	8 1/2"	
Pump size	3 x 2 x13	
Motor electrico de tanque de viaje		
Make	Teco	
Tipo	AEHEBM	
Serial Nr	EH4760070012	
HP	10 Hp.	
Volts.	575 Volts.	
Amps.	9.4 Amps.	
RPM	1,755 RPM	
Frame	215T	
Mixing Pump 1 and 2		
	1	2
Bomba centrifuga		
Make	Halco	Halco
Model	V64016027AO	H64016027AO
Serial Nr.	8386	8604
Pumps size	6 x 5 x14	6 x 5 x14
Impeller size	14"	14"
Motor electrico		
Marca	Baldor	VP Motors
Model	BX559144	
Serial Nr.	C0709250283	100177H
HP	50 HP.	100 Hp.
Volts.	575 Volts.	575 Volts.
RPM	1,775 RPM	1,785 RPM
Amps	47 Amps.	91.6 Amps.
Frame	326T	405T
Trasfers Pump 1 and 2		
	1	2
Bomba centrifuga		
Make	Halco	Halco 2500 Supreme
Model	H64017027AO	No tiene placa de datos
Serial Nr.	8569	
Pumps size	6 x 5 x14	6 x 5 x14
Impeller size	14"	14"
Motor electrico		
Marca	VP	VP
Model	Not Available	Not Available
Serial Nr.	B1098F	B10168E
HP	50	50
Volts.	575	575
RPM	1775	1775
Amps	46	46

RIG 736 LAND RIG EQUIPMENT LIST

Mud System		
Frame	326T	326T
Caustic Mixing Unit		
Quantity :	1	
Type :	manual	
Low Pressure Mud System – Process Equipment		
Shale shaker		
Nr. 1 Shaker	Motor 1	Motor 2
Make :	Brandt	Brandt
Type	Missing Motor	Missing Motor
Model	Missing Motor	Missing Motor
Serial Nr.	Missing Motor	Missing Motor
Volts.	Missing Motor	Missing Motor
RPM	Missing Motor	Missing Motor
Hp	Missing Motor	Missing Motor
Amps.	Missing Motor	Missing Motor
Watts.	Missing Motor	Missing Motor
Frame	Missing Motor	Missing Motor
Nr. 2 Shaker	Motor 1	Motor 2
Make :	Brandt	Brandt
Type	CDX18-8340-VW	CDX18-8340-VW
Model	LCM-2D	LCM-2D
Serial Nr.		
Volts.	230 / 460 Volts.	230 / 460 Volts.
RPM	1,800 RPM	1,800 RPM
Hp	2.5 Hp	2.5 Hp
Amps.	7/3.5 Amps.	7/3.5 Amps.
Watts.	1,865 Watts.	1,865 Watts.
Frame	88.70	88.70
Nr. 3 Shaker		
Make :	Brandt	Brandt
Type	CDX18-8340-VW	CDX18-8340-VW
Model	LCM-2D	LCM-2D
Serial Nr.		
Volts.	330 / 575 Volts.	330 / 575 Volts.
RPM	1800 RPM	1800 RPM
Hp		
Amps.	4.9/2.8 Amps.	4.9/2.8 Amps.
Watts.	1,865 Watts.	1,865 Watts.
Frame	88.70	88.70
Mud Cleaner	1	2
HP	2.5 Hp	No visible
Volts.	575 Volts.	
Amps.	2.3 Amps.	

RIG 736 LAND RIG EQUIPMENT LIST

Mud System		
Desander		
Make	Not Available	
Model / Part Nr		
Cones:		
- Quantity:		
- Type:		
- Diameter:		
Centrifugal Pump		
Make	Mission Magnum 1	
Model	M2404411-89MCA	
Serial	20941-3	
Size		
Impeller		
Electric Motor		
Make	Baldor	
Model	Plate Not visible	
Serial Nr.	Plate Not visible	
Amps.	52 Amps.	
Hp	50 Hp	
RPM	1,800 RPM	
Frame	326T	
Desilter		
Centrifugal pump :		
Make	Mission Magnum 1	
Model	MAG6X5MSHT19121-70-30	
Serial Nr.	M46067	
Size	6 x5 x11	
Impeller Diameter	11"	
Electric Motor		
Make	VP Motors	
Serial	100017 H	
Amps.	91.6 Amps.	
Volts.	575 Volts.	
Hp	100 Hp	
RPM	1,785 RPM	
Frame	405T	
Mud/gas separator (poor boy)		
Bomba Centrifuga Tanque de recuperacion		
Make	Mission Magnum 1	
Modelo	A77B10C12011E01	
Minimum diameter ID inch	Plate not Visible	
Gas discharge line OD inch		
Working pressure:		
Electric Motor		
Modelo	40BC02JPP3	
Serial	1-5107-53279-2-6	
Type	RGZZ	
Amps.	14.9 Amps.	
Volts.	600 Volts.	
Hp	15 Hp	
RPM	1,770 RPM	
Frame	254T	
Vacuum Degasser		
Bomba del desgasificador Vacuum		
Make :	Ingersoll rand	
Model	D255	
Serial Nr.	7054750	
Maximum capacity:		
Type/size centrifugal pump :		
Motor Electrico		

RIG 736 LAND RIG EQUIPMENT LIST

Mud System		
Make :	Siemens	
Model	41A005L1AGJR	
Serial Nr.	70600972	
HP	5 Hp.	
Volts.	230/460 Volts.	
Amps.	12.6/6.3 Amps.	
Frame	184T	
- Impeller diameter:		
Driven by electric motor of HP		
Cellar Pump 1 and 2	1	2
Cellar pump		
Make (e.g. Flygt) :		
Volts.	220 Volts.	600 Volts.
HP	Plate not Visable	Plate not Visable
Capacity bbl/min:		
Inlet pipe:		
Out put / discharge pipe:	4"	6"
Agitators		
Quantity	6	
Agitators Electric Motors		
Motor	1	
Make	SEW EURODRIVE	
No de Parte	RF87DV13254	
No. Serial.	81.51.64851.2/2	
Amps.	13.07 / 7.5 Amps.	
Volts.	330 / 575 Volts.	
Hp.	7.5 Hp.	
Transmission		
No de Parte	RS87	
No de serie	80.51.55912.9/4	
Motor	2	
Make	SEW EURODRIVE	
No de Parte	RF80DV13254	
No de serie	81.51.42033.8/08	
Amps.	13.07 / 7.5 Amps.	
Volts.	330 / 575 Volts.	
Hp.	7.5 Hp.	
Transmission		
No de Parte	RS87	
No de serie	80.51.55912.9/4	
Motor	3	
Make	SEW EURODRIVE	
No de Parte	RF80DV13254	
No de serie	No visible	
Amps.	13.07 / 7.5 Amps.	
Volts.	330 / 575 Volts.	
Hp.	7.5 Hp.	
Transmission		
No de Parte	RF874	
No de serie	81.51.64851.2/2	
Motor	4	
Make	SEW EURODRIVE	
No de Parte	RF870DV13254	
No de serie	No visible	
Amps.	13.07 / 7.5 Amps.	
Volts.	330 / 575 Volts.	

RIG 736 LAND RIG EQUIPMENT LIST

Mud System		
Hp.	7.5 Hp.	
Transmision		
No de Parte	No visible	
No de serie		
Motor		
Make	5	
No de Parte	SEW EURODRIVE	
No de serie	RF80DV13254	
Amps.	81.51.42033.8/09	
Volts.	13.07 / 7.5 Amps.	
Hp.	330 / 575 Volts.	
Hp.	7.5 Hp.	
Transmision		
No de Parte	RF87A	
No de serie	81.51.64851.2/1	
Motor		
Make	6	
No de Parte	SEW EURODRIVE	
No de serie	RF87DV13254	
Amps.	80.51.55912.9/3	
Volts.	13.07 / 7.5 Amps.	
Hp.	330 / 575 Volts.	
Hp.	7.5 Hp.	
Transmision		
No de Parte	RF87DV13254	
No de serie	850116580.1	

RIG 736 LAND RIG EQUIPMENT LIST

Instrumentation

Drilling Instrumentation

Tong Torque Indicator		Drilling recorders to be provided by operator.
Quantity:	1	
Make:		
Type:	HYDRAULIC	
Torque range (ft/lbs.):	0 @ 5,000 PSI.	
Recorder and reading:		
Range & unit:		
Location:	CONTROL PANEL	
Weight Indicator	CIA. VARCO PROPRIETY	
Make/Type:	MARTIN DECKER	Serial No. 0906576 / Mod. GA80-0015-11
Range & unit:	0-48,000 Lbs.	READING UP-DOWN 0.10%
Date of last inspection:	9-ENE-2012	
Mud Pump Pressure Gauges		
Quantity:	1	2
Make/Type:	MARCA: OTECO	MODEL: 6
Range & unit:	0 @ 5000 PSI	0 @ 5000 PSI
Location:	MUD PUMPS 1	MUD PUMPS 2
Pump Stroke Indicator	Not Available	
Quantity:		
Make/Type:		
Cumulative:		
Recorder and reading:		
Location:		
Rotary Tachometer		
Quantity:	1	
Make/Type:		
Selection top drive / rotary:		
Recorder and reading:		
Location:	DRILLER'S CONSOLE	
Rotary Torque Indicator		
Quantity:		
Make/Type:		
Range & unit:		
Recorder and reading:		
Location:	DRILLER'S CONSOLE	

RIG 736 LAND RIG EQUIPMENT LIST

Instrumentation

Trip Tank Indicator	Not Available	
Make/Type:		
Recorder and Reading:		
In/Out:		
Accuracy:		
Location:		
Standpipe Pressure Gauges		
Quantity	1	
Make/Type	OTECO	
Pressure range	0 @ 5000 PSI	
Choke Manifold Pressure Gauge		
Quantity	1	
Make/Type	MF GAUGE	
Pressure range	0 @ 6000 PSI	
Automatic Driller		
Make/Type:	Not Available	
Deviation Equipment		
Measuring Device	Not Available	
Quantity	Not Available	
Make/Type	Not Available	
Deviation range	Not Available	
Wireline Winch	Not Available	
Make/Model		
Wire length (nominal)		
Wire size		
Serial Nr.		

RIG 736 LAND RIG EQUIPMENT LIST

Instrumentation

Rig Communication System		
Telephone System / Intercom System		
No. of stations:	6	
Make/Type:	Gaytronics	
Explosion proof: y/n	Yes	
Telephone System / Satellite Communication	Not Available	
Telephone connection to:		

RIG 736 LAND RIG EQUIPMENT LIST

Well-Site Trailers

Rig Camp

Calmena Well Site Staff Accommodation		
Total Number of Beds:	5	
Number of Skid Mounted Caravans:	2	1 STP and 1 Electrician & Mechanic
1 bedrooms in each:	1	
2 bedrooms in each:	2	
Number of Galleys:	2	
Refer to Pictures		
Calmena STP Office		
Each trailer complete with:		
Furniture: y/n	yes	Various Spare Parts in Cupboards
Computer: y/n		
- Make / type:		Missing
Photocopy machine: y/n		
- Make / type:		Missing
Laser Jet Printer: y/n		
- Make / type:		Missing
Refrigerator: y/n	yes	
Coffee machine: y/n	yes	

RIG 736 LAND RIG EQUIPMENT LIST

Fire Prevention & Safety Equipment

Detection and Alarms

Combustible Gas Detection	no	
Description:		
Type & Location of sensors:		
Type & Location of alarms:		
Alarm setting range:		
Type & Number of explosimeters:		
Fire Detection		
Smoke and heat detectors:	9	2 pcr, 1 cuarto auxiliar, Traila hab. 6
Alarms:	1	1 pcr
Type and Location of sensors:	0	
H2S Gas	no	
Type of fixed detectors:		
Number and location of detectors:		
Number and location alarms:		
Alarm setting range:		
Make & Type of Portable Detectors		
Smoke and heat detectors:	1 TMX	Draguer X-am 3000-4543610
Alarms:		
Location of sensors:		
Safety Equipment		
Retractil:		
Make/Type:	2	Miller 140 ft
System escape of monkey	1	
Mke/Type	Sestron	
Sistema de contrapeso	1	
Mke/Type	Debi/sala	
Life of line horizontal	1	
Mke/Type	Debi/sala	
Breathing System		
Self-contained breathing sets:	Drager	
Quantity:	8	
Make/Type:	SCBA	
Duration capacity: (30 min.)	30 min	
Air recharging system:	no	
Quantity:		
Make/Type:		
Duration capacity: (10 min.)		
Central air compressed unit & number of facemasks:		
Location of primary briefing area:		
Location of secondary briefing area:		
Wind Indicators Visible at Night:		
Fire Protection Equipment		

RIG 736 LAND RIG EQUIPMENT LIST

Fire Prevention & Safety Equipment

Fire Pump		
Make/type:	CO2, PQS.	
Quantity:	24	
Capacity / Output: gpm	12,9 y 6 kg.	
Driven by:		
- HP:		
Water Tank		
Quantity:	1	
Capacity:	45,000 lts	

RIG 736 LAND RIG EQUIPMENT LIST

Fire Prevention & Safety Equipment

Portable Foam Generator Equipment:	no	
Make/Type:		
Quantity:		
Capacity:		
Foam type:		
Portable CO2 Extinguishers		
Make/Type:	Cilindro	
Quantity:	5	
Capacity:	12 kg	
Date of last inspection:	May-12	
Dry Powder Extinguishers		
Make/Type:	Cilindro/cartucho	
Date of last inspection:	May-12	
Capacity:	45 kg	
Quantity / wheeled:	2	Sitting in Pump Building Number 2
Quantity / not wheeled:	17	
Capacity:	9 y 12 kg	
Date of last inspection:	May-12	
Rescue		
Stretchers:	1	

RIG 736 LAND RIG EQUIPMENT LIST

Fire Prevention & Safety Equipment

First Aid Equipment		
Type:	Botiquin	
Quantity:	2	
Emergency Shower:		
Quantity:	1	
Location:	Cuarto de mezclado	
Eye Wash Stations:		
Quantity:	5	
Location:	1 koomey,2 presas,1 bombas	1 temblorinas

RIG 736 LAND RIG EQUIPMENT LIST

[illegible]

RIG 736 LAND RIG EQUIPMENT LIST

Miscellaneous Equipment		
Workshop and Repair Facilities (Mechanic / pump shops)		
Mechanical Workshop:	1	
Facilities:	Mechanics Work Room	
Hydraulic Cutter for Wireline		
2		
Manufacturer:	PELL CABLE CUTTER CO.	
Wire Cutting Range:	MAX 1 1/8"	
High Pressure Wash Down Unit		
Make:		
Model:		
Number of wash guns:		
Fuel Oil Tank		
Tank		
Make:		
Capacity: bbl	150 BBL	
Number of transfer pumps	2	
Number of suction pumps	2	
Measuring device	SIGHT GLASS	
Pump Diessel	PRIMARY	SECONDARY
Make	No Plate Visable	No Plate Visable
Model		
Serial Nr		
Motor electrico		
Make	No Plate Visable	No Plate Visable
HP		
Impeller		
RPM		
Volts.		
Hz.		
Pump Diessel	AUXILIARY	
Make	No Plate Visable	
Model		
Parte No	606208	
Motor electrico		
Make	VP Motors	
Serial Nr	6201659KJ	
HP	5 Hp.	
Volts.	230 / 460 Volts.	
Amps	11.6 / 5.9 Amps.	
RPM	1,750 RPM	
Frame	184T	
Wather Tank		
Make:		
Capacity: bbl	364.77 bbls.	
Number of transfer pumps	2	
Number of suction pumps	2	
Measuring device		
Pump	1	2
Make	Weg	Weg
Model		
Serial Nr	BE 48239	BD 46198
HP	10 Hp	10 Hp
Impeller		
RPM	3510 RPM	3510 RPM
Volts.	230 / 460 Volts.	230 / 460 Volts.
Hidro-Jet	1	2
Location	Patin de bomba de lodo # 2	Presa de asentamiento
Make	Hawk	Hawk

SIMMONS EDECO SEAL TAG NUMBERS FOR RIG 736 BUILDINGS

Rig Building Description	Seal Tag Number (Tags are Blue In color and Zip Tie Type)	Comments
Change Room / Tea Room	OO11479	
Warehouse 20" Container	OO11449	2 Electric Motors,Quantity of Fire Ext.,Quantity of Electrical Cables, Roller Chain,Cat Rad Inhibitor,Steel Flanges, Bearings and Miss.
Dog House	OO11450	Some Safety Harnes,Tong Jaws,Rig Lights,and Miss.
Mechanic Shop	OO11447	
SCR Building	OO11461	
	OO11462	
Generator Building Number 1	OO11463	
Generator Building Number 2	OO11464	
	OO11469	
	OO11470	
Generator Building Number 3	OO11465	
	OO11466	
	OO11467	
	OO11468	
TP Shack	OO11410	End Entrance Door
	OO11402 +OO11407	Upper Cabinet 1 D, Various Spare Parts .
	OO11401 + 0011408	Lower Cabinet 1 D, Some TD parts and other Parts
	OO11406 + OO11409	Upper Cabinet 2 D, Various Spare Parts .
		Also in one closet numerous Oteco parts, Float Repair Kits and Various Hose Clamps , Tape Measure and other small items. Laying on the TP office floor a 3/4" socket set, Thread Tap Set, Hyd Ram Seals, Clevises' and other small items.
Mechanic/Electrical Shack	OO11403 & OO11405	

Rig 736 Equipment list to be purchased by SE

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RIG 736 STANDARD LAND RIG DETAILS

A. Land Rig Summary

Item	
General	
Rig Name/Number :	Calmena 736
Rig Type or Model:	Triple electric
Rig Owner :	Calmena Energy Services
Year Built/Re-built:	1980
Constructed by:	Precision Drilling
Current Location:	Poza Rica Yard Number 2
Current Status:	standby
Number of Loads:	
- Rig	46
- Camp	2
Average load size (lbs):	28 ton (61,719 lbs)
Estimated Time:	
- Rig Down	15 HRS
- Rig Up	24 HRS
- Rig move for 15 miles	24 HRS DAY LIGHT
Fuel Consumption: (gal/day)	1050 TO 1800 gal / day
Certification Status:	MAST & SUB FULL WMPI TUBOSCOPE/IDS OCTOBER 2012
Date of last survey including Survey Company:	OCTOBER 2012 TUBOSCOPE
Operating Capabilities	
Nominal vertical depth rating with 4" drill pipe	11,811 ft
Maximum Static Hook Load (lbs)	365000 lbs.
Maximum Setback Load (lbs)	325000 lbs.
Maximum Rotary Load (lbs)	350000 lbs.
Maximum Top Drive Load (lbs)	N/A
Storage Facilities	
Fuel - bbls	150 bbls.
Drill Water - bbls	408 bbls.
Potable Water - bbls	N/A
Active Drilling Fluid - bbls	1,178 bbls. USABLE
Reserve Drilling Fluid - bbls	149 bbls.
Maximum Wind Speed (mph)	100 mph
- with no setback	100 mph
- with maximum setback	84 mph
Water for Fire Fighting - bbls	N/A. RIG IS NOT PROVIDED WITH THIS
Bulk Mud - cu.ft	N/A. RIG IS NOT PROVIDED WITH THIS
Bulk Cement - cu.ft	N/A. RIG IS NOT PROVIDED WITH THIS
Covered Sack Storage (sacks)	N/A. RIG IS NOT PROVIDED WITH THIS
Vertical Storage Diesel Tank - if Oil Based Mud - bbls	N/A. RIG IS NOT PROVIDED WITH THIS
Skid Unit (Storage of Misc Parts, Hoses, etc)	40'X8'X9'
Skid Unit (Storage of Oil, Barrels, Subs, Elevators, Slips, etc.	25 FT LONG (3' Section Subs, 5' Section Drig Tools, 3 Oil bins 29" x 92" wide, 48" high, rest is for barrels
Sea Can (Storage of Parts)	Main parts storage 40'X8'X8'
Sea Can (Storage of Parts)	
Sling Bin (Storage of Slings, Wire Rope)	

RIG 736 LAND RIG EQUIPMENT LIST

B. General Rig Specifications

Mast & Substructure

Mast		
Manufacturer :	IDS	
Serial Number:	M-1932-2085-Rig 736	
Date of Manufacture:	Feb-11	
Height - ft:	142 ft.	
Width of base - (ft x ft) :	12.46 x	
Width of top - (ft x ft) :	8 ft X 8 ft	
Static hook load - (lbs) :	365000 lbs.	
- with 14 lines		
- with 12 lines		
- with 10 lines	390,000 lbs	
- with 8 lines	360,000 lbs	
API Gross Nominal Capacity - (lbs) :	365,000 lbs	
With rated set-back - (lbs) :		
With no set-back - (lbs) :		
Hanging weight of blocks and top drive - (lbs):	24,000 lbs	
Explosion proof lights: y/n	Y	
Ladders with cages: y/n	N	
Derrick cameras: y/n, locations	N	
Refer to Pictures		
Substructure		
Make/type :	IDS	
Serial Number:	S-1940-Rig 736	
Height -(ft) :	22' (with pony sub)	
Width - (ft) :	11.6'	
Static setback capacity - (lbs) :	600,000 lbs.	
Casing load capacity - (lbs) :	325,000 lbs.	
Setback and rotary simultaneous maximum capacity - (lbs) :		
Clear height below rotary table beams - (ft):	1.708'	
Substructure footprint - (ft x ft) :	53 x 11.6	
Refer to Pictures		
Pony Substructure		
Manufacturer:	Precision Drilling International	
Serial Number:	05-10-14753	
Model:	P4994	
Date of Manufacture:	Dec-05	
Height:	9 Feet	
Operating Capacity:	1,002,000 lbs	
Refer to Pictures		
Rig Floor Winches		
Make :	PULLMASTER	
Type :Model	PL-8 (Two Units)	
Serial Nr	Not Available	
Location	Rig Floor	
Capacity & S.W.L. - lbs :	70,000 Lbrs.	
Wire diameter - inches :	9/16"	
Automatic brakes :	YES	
Automatic spooling :	NO	
Make :	PULLMASTER	
Type :Model	PL-5 (One Unit)	
Serial Nr	Not Available	
Location	Rig Floor	
Capacity & S.W.L. - lbs :	45,000 Lbrs.	
Wire diameter - inches :	1/2"	
Automatic brakes :	YES	
Automatic spooling :	NO	
Refer to Pictures		
BOP Hoist and Trolley		
Make:	IDS	
Type:	Hydraulic Ram Type Trolley	
BOP storage:		
Capacity & S.W.L. - lbs :		
Refer to Pictures		
Drawworks and Associated Equipment		
Drawworks		
Make/type :	Dreco	

Model	800E	
Serial Nr.	166	
Rated capacity - HP :	800 Hp.	
Input power continuous - HP :	800 Hp.	
Drum type :	Cylindrical	
Drum diameter - inches:	18" x 40"	
Groove lebus for line size:	YES 1 1/8"	
Line guide make / type:	OTECO	
Spinning cathead make / type :	NO	
Breakout cathead make / type :	N/A	
Blocks safety device type / model	Crown - o - Matic	
Additional block safety device (ie. KEMS):	NO	
Brake type :	HYDROMATICO	
Maximum Line Pull 10 lines - lbs :	331,000 lbs.	
Maximum Line Pull 8 lines - lbs :	275,000 lbs.	
Drilling Line Spool	YES 1 1/8"	
Refer to Pictures		
Drawworks power		
Number of Motors	1	
Motor make :	General Electric	
Motor model :	5GE752AR2A	
Serial Nr.	7540814	
Maximum input power continuous - HP :	800 Hp.	
Refer to Pictures		
Drawworks Blower		
Make	U.S. Electrical Motors	
Serial No.	B1197120041001F	
HP	10 Hp.	
Volts.	575 Volts.	
Amps.	10.1 Amps.	
RPM	3,485 RPM	
Frame	215T	
Refer to Pictures		
Drawworks Transmission		
Make/type :	Dreco	
Number of speeds	2 Speed	
Model	2 Speed	
Serial Nr.	9001-D31	
Hydraulic Lube Motor		
Make		
Model		
Serial Nr.		
Hydraulic Pump		
Make		
Model		
Serial Nr.		
Control Valve		
Make	REXROTH	
Model	2HA 2	
Serial Nr.	P-69335	
Refer to Pictures		
Motor-Ventilador del radiador de enfriamiento del Malacate		
Make	Baldor	
Model	BX580191	
Serial Nr.	FC711062980	
HP	5 Hp.	
Volts.	230 / 460 Volts.	
Amps.	15 / 7.5 Amps.	
RPM	1,155 RPM	
Frame	215T	
Radiador		
Make	Manufacturing Company	
No. De parte	51000005	
Serial Nr.	152904	
Bomba centrifuga enfriamiento del Malacete		
Make	PUMPS PRESSURE	
Model	10DB2	
Serial Nr.	2370	
Motor de centrifuga enfriamiento del Malacate		
Make	WEG	
Model	AX90254	
HP	10 Hp.	
Volts.	230 / 460 Volts	
Amps.	24.5 / 12.3 Amps.	
RPM	3,510 RPM	
Frame	215JM	

	1	2
Bomba de agua		
Make		
Model		10DB2
Serial No.		3132
Motor electrico		
Make	WEG	WEG
Part No	JM010402	
Serial No.	BE48239	BD46198
HP	10 Hp.	10 Hp.
Volts.	230 / 460 Volts.	230 / 460 Volts.
Amps.	24.4 / 12.2 Amps	24.4 / 12.2 Amps
RPM	3,510 RPM	3,510 RPM
Frame	215JM	215JM
Auxiliary brake		
Make/Type :	Info Needed	
Model :	Info Needed	
Cooling Water System:	YES	
Automatic Drilling System		
Make:	No	
Type:	No	
Hoisting Equipment		
Crown block		
Make/type :	No Plate	
Model	No Plate	
Serial Nr	ID Number: PD-302	
Rated capacity - lbs :		
No. of sheaves :	5 sheave's plus 1 fast line sheave	
- diameter - inches	36"	
- groove size(s)- inches	1-1/8"	
Crown block safety device:		
- make	Crown -o -matic	
- type	NAUMATICO	
- bumper at crown-block with safety slings	WOOD WITH CAGE	
Refer to Pictures		
Travelling Block and Hook		

Make/type :	Skytop Brewster	
Model:	Combo	
Serial Nr.	72050-08-05-0	
Rated Capacity:	250 Tons	
No. of sheaves :	5	
Diameter of sheaves:		
Groove size(s):	1-1/8 Inch	
Date of last magnaflux survey:		
Refer to Pictures		
Drilling line		
Size - inches :	1-1/8"	
Make/Type:	CAMESA	
Length - ft :	5036 FT	
Spare reel- y/n	NO	
Refer to Pictures		
Dead line Anchor		
Make/type :	DSI Fixed Installation	
Model	DSI	
Serial Nr.	Not Available	
Load rating - lbs :	Not Available	
Refer to Pictures		
Weight Indicator		
Weight sensor make / type :	OEC	
Serial Nr.	W59918	
Date of last magnaflux survey:		
Pictures:		
Rotary table		
Make/type :	National	
Model	C-205	17 1/2 Inch
Serial Nr.	T-3601	
Refer to Pictures		
Swivel		
Make & Type :	National	In Houston Texas Repair Shop
Model	N-69	
Serial Nr.	24319	
Rated capacity - lbs :	600,000 lbs.	
Remote operated kelly cock :	NO	
Pipe handler - make / model:		
Make-up / Break-out torque - ft/lbs:		
Mudline Diameter in inches	4" Stand Pipe	
Pictures:		
Kelly spinner		
Make	IDEAL	
Model	NSCO	
Serial Nr	N-69	
Refer to Pictures		
Elevator Links		
Make / type:	VARCO	
Quantity:	1 PAIR	
Size (width x length):	2-3/4" X 108"	
Rated capacity:	350 ton (770,000 lbs)	
Date of last magnaflux survey:		
Refer to Pictures		
Elevator Links		
Make / type:	VARCO	
Quantity:	1 PAIR	
Size (width x length):	2-3/4" X 108"	
Rated capacity:	350 ton (770,000 lbs)	
Date of last magnaflux survey:		
Pictures:		
B.3.9. Tension Load Sensor		
Make/Type:	OEC	DIAPHRAM TYPE
Calibration:		
Pictures:		
B.4 Rotary System		
B.4.1. Rotary table		
Make/type :	National C-205	
Serial Number:	395	
Drive:	Driven from drawworks with Right Angle Drive	
Motor: GE 800 hp Traction Motor		

Maximum opening - inches :	20.5 Inches	
Static load rating - lbs :		
Rotating load rating - lbs :		
Rated power - HP :		
Maximum continuous torque - ft-lbs :		
Soft torque rotary system :		
Maximum rotary speed (RPM) :		
Emergency chain drive :		
Drip pans or mud collection system: y/n		
Refer to Pictures		
B.4.2. Master bushings		
Make/type :	ROSTEL	
Solid or Hinged/Split type with locking device:	20-1/2" SOLID, PIN DRIVE	
Accessories (insert bowls):	#1	
Pictures:		
B.4.3. Kelly drive bushing		
Make/type :	Varco	
Size :	4.5 inch square	
Lock down assembly :	Yes	
Drive type:		
Equipped for kelly type x size:	4 1/4 inch square	
Refer to Pictures		
B.4.4. Kelly bushing safety guard		
Make/type :		
B.4.5. Casing Bushing and Bowls		
Make / type:	Arco	
Accessories:		
Insert Bowls:	#1, # 2 AND # 3 INSERT BOWLS	
Refer to Pictures		
B.4.6. Top drive		
Make & Type :	CANRIG 6027E-939	Serial # 190
Electric or hydraulic:	ELECTRIC	
Rated capacity - lbs :	605,000 lbs	
Test/working pressure - psi :	5000 psi	
Remote operated kelly cock :	YES	
If driven by electric motor:	YES	
Make & Type :	GE 761 SERIES	
Rated power - HP :	600 HP CONTINUOUS	
Rated torque - ft/lbs :		
- continuous torque	24,500 ft/lbs	
- intermittent torque	30,000 ft/lbs	
Maximum rotary speed (RPM) :	130 RPM	
- low gear		
- high gear		
Number of gears:	NO GEARS	
Pipe handler - make / model:	CANRIG 6027E-939	
Make-up / Break-out torque - ft/lbs:	24,000 / 30,000 ft/lbs	
Mudline diameter - inches :	3-1/2"	
Refer to Pictures		
Dog House		
Length	No Plate	
Width		
Height		
Serial or ID Number		
Refer to Pictures		
Mechanic Shop / Tool Room		
Length	Located on the end of Gen Building 3	
Width		
Height		
Serial or ID Number		
Refer to Pictures		
Change Room / Tea Room		
Length	No Plate	
Width		
Height		
Serial or ID Number		
Refer to Pictures		
Warehouse Number 1 (Almacen)		
Length	40'	
Width	8'	
Height	8'	

RIG 736 LAND RIG EQUIPMENT LIST

C. Power Supply Systems		
C.1 Rig Power Plant		
Prime Movers		
#1 Engine		
Make :	Caterpillar	
Type :/Model	STD / 3508	
Serial Number No. 1 Engine	68Z1074	
Continuous output power available HP each engine :	860 Hp.	
RPM	1,200 RPM	
High Idle	1,305 RPM	
Equipped with spark arrestors: y/n	YES	
Mufflers installed: y/n	YES	
Deposito de diessel		
No. De serie	213960	
Capacidad	200 Ltrs.	
Presion de trabajo	150 Psi.	
Modelo	1999	
Cargador de bateria		
Marca	Lamarche	
Modelo	A20R-4-24V-A1-12L	
Serie	W239385	
In Volts.	120 Volts.	
Out Volts.	24 VDC	
Frecuencia	60 Hz.	
Pictures:		
#1 Generator		
Make :	KATO	
Type :/Model	No Plate	
Serial Number No. 1 Generator	No Plate	
RPM	1200 RPM	
Volts	347 @ 600 Volts.	
Output ratings:		
- kVa		
- kW		
- Volts	600 Volts.	
Cycles:	60	
Pictures:		
#2 Engine		
Make :	Caterpillar	
Type :/Model	STD / 3508	
Serial Number No. 2 Engine	68Z1071	
Continuous output power available HP each engine :	860 Hp.	
RPM	1,200 RPM	
High Idle	1,305 RPM	
Equipped with spark arrestors: y/n	YES	
Mufflers installed: y/n	YES	
Deposito de diessel		
No. De serie	Plate not readable	
Capacidad	200 Ltrs.	
Presion de trabajo		
Modelo		
Cargador de bateria		
Marca	Lamarche	
Modelo	A20R-4-24V-A1-12L	
Serie		
In Volts.	120 Volts.	
Out Volts.	24 VDC	
Frecuencia	60 Hz	
Pictures:		
# 2 Generator		
Make :	Kato	
Type :/Model	TIPO 26992	
Serial Number No. 2 Generator	13850-01	
RPM	1,200 RPM.	
Volts	347 @ 600 Volts.	
Output ratings:		
- kVa	1143 Kva.	
- kW	800 Kw.	
- Volts	600 Volts.	
Cycles:	60 Hertz.	
Amps.	1,100 Amps.	
Pictures:		
#3 Engine		
Make :	Caterpillar	
Type :/Model	STD / 3508	
Serial Number No. 3 Engine	68Z01073	
Continuous output power available HP each engine :	860 Hp.	

RPM	1,200 RPM	
High Idle	1,305 RPM	
Equipped with spark arrestors: y/n	YES	
Mufflers installed: y/n	YES	
Deposito de diesel		
No. De serie	Plate not readable	
Capacidad	200 Litrs.	
Presion de trabajo		
Modelo		
Pictures:		
# 3 Generator		
Make :	Kato	
Type /Model	TIPO 26992	
Serial Number No. 3 Generator	13850-03	
RPM	1,200 RPM	
Volts	347 @ 600 Volts.	
Output ratings:		
- kVa	1,143 Kva.	
- kW	800 Kw.	
- Volts	600 Volts.	
Cycles:	60	
Amps.	1,100 Amps.	
Pictures:		
SCR Unit		
Number of Bays:	4	
Manufacturer:	General Electric	
Serial Number:	No Plate Found	
Model Number:	1100-3-SCR	
Input Volts:	600 V AC	
Output Volts	750 V DC	
Amperage Output:	1800	
Picture:		
AC Transformer System		
Quantity :	3	
Location :	End of SCR Unit	
Make :	ROSS HILL / GE	
Type :		
Output ratings:		
- kVa:	100 kVa	
- Volts:	120 - 208 Volts.	
Input ratings:		
- kVa:	100 kVa	
- Volts:	600 Volts.	
Frequency (Hz) :	60 Hz.	
Location :	End of SCR Unit	
Make :	ROSS HILL / GE	
Type :		
Output ratings:		
- kVa:		
- Volts:	110 - 220 Volts.	
Input ratings:		
- kVa:		
- Volts:		
Frequency (Hz) :		
Location :	End of SCR Unit	
Make :	ROSS HILL / GE	
Type :		
Output ratings:		
- kVa:	112.5 KVA	
- Volts:	120 - 208 Volts.	
Input ratings:		
- kVa:	112.5 KVA	
- Volts:	600 Volts.	
Frequency (Hz) :	60 Hz.	
Pictures:		
Emergency Shutdown	Electric Shutdown	
Emergency shutdown switches for the complete power system	1	
located at the following locations:	1 on Rig Floor (Drillers Console)	
Air Compressors - Low Pressure (rig air):	1	2
Quantity	Accumulator Room	Engine Room
Make	WEG	INGERSOLL - RAND
Model	3 PHASE	SSR-UP6-30-125
Serial Number - No.1	AV97897	PY1520U09012
Rated capacity		CALIBRE 30
Working pressure - psi	125 Psi.	40 @ 90 PSI.
Recievers		
HP	10 Hp.	30 Hp.
Prime mover (electric/diesel)	ELECTRIC	ELECTRIC
RPM	1765 RPM	1,770 RPM
Amps.	10.1 Amps.	71.2 / 35.6 Amps.
Volts	57.5 Volts.	230 / 460 Volts.

Hz	60 Hz	60 Hz
Kw	7.5 Kw.	22.5 Kw
Frame	215T	286TZ
Pump Compressor		
Make	Leroi	INGERSOLL - RAND
Type	2 Cylinder	54726118
Serial No.	4038X9717	836060
Model	660A	2,000
Pressure		232 Psi.
Working Pressure	125 Psi	125 Psi.
Pictures:		
Air Receivers		
Quantity	1	
Make		
Model		
Serial Nr	5505816	302513
Relief Valves	150 PSI.	150 PSI.
Model	3M 1/4"	3M 1/4"
Serial Nr's	181-70-18 FFE	181-70-18 FFE
Capacity	873 Ltrs.	470 Ltrs.
Rated capacity	165	
Working pressure - psi	125 Psi.	125 Psi.
Dimensions	89" X 29"	
Accessories	Pressure Relief	
Emergency Power		
	Transformer	
Hydraulic Unit		
Motor electric	No Plate	
Model	No Plate	
Serial Nr.	Pump is Missing	
Pump:	Pump is Missing	
Make	Parker	
Model	C04C135	HPU Located in: Substructure
Serial Nr.	P1140PS25RUJAC009100000	
Capacity:	237.75 Gal.	
Picture:		
Bomba de enfriamiento del sistema hidraulico.		
Motor electrico	No Plate	
	No Plate	
Bomba de agua de enfriamiento separador de aceite de hidraulica.		
Motor electrico	No Plate	
Modelo	M3546-5	
No Serie	35A11-292	
HP	1 Hp.	
Volts.	575 Volts.	
Amps.	1.4 Amps.	
RPM	1,725 RPM	
Frame	56	

RIG 736 LAND RIG EQUIPMENT LIST

D. Drill String / Handling Tools

Drill Pipe		
OD/ID body (inches)	OD 4"- ID 3.095"	
Quantity jts.:	293	
Estimated total length - ft		
Grade:	DP-SS95	
Weight - lbs/ft :	16.6	
Range:		
Type of connection	4" FH	
API Class:		
Tool joint OD (inches)	5.25"	
Tool joint ID (inches)	2-1/4"	
Type of hard banding		
Internal Plastic Coated:	YES	
Pin and Box Protectors:	YES	
Last Inspection / Standard of Inspection:		
Picture:		
Drill Pipe Pup Joints		
OD/ID body (inches)	OD 4" x ID 3.095"	
Quantity jts.:	1	
Estimated total length - ft	5'	
Grade:	G-105	
Weight - lbs/ft :	15.7	
Range:		
Type of connection	4" FH	
API Class:		
Tool joint OD (inches)	5-1/4"	
Tool joint ID (inches)	2-1/4"	
Type of hard banding		
Internal Plastic Coated:		
Pin and Box Protectors:	YES	
Drill Pipe Sub Joints		
OD/ID body (inches)	OD 4" x ID 3.095"	Not Seen (maybe buried in pipe tubs)
Quantity jts.:	1	
Estimated total length - ft	10	
Grade:	G-105	
Weight - lbs/ft :	15.7	
Range:		
Type of connection	4" FH	
API Class:		
Tool joint OD (inches)	5-1/4"	
Tool joint ID (inches)	2-1/4"	
Type of hard banding		
Internal Plastic Coated:	YES	
Pin and Box Protectors:	YES	

RIG 736 LAND RIG EQUIPMENT LIST

D. Drill String / Handling Tools

OD/ID body (inches)	OD 4" x ID 3.095"	Not Seen (maybe buried in pipe tubs)
Quantity jts.:	1	
Estimated total length - ft	15	
Grade:	G-105	
Weight - lbs/ft :	15.7	
Range:		
Type of connection	4" FH	
API Class:		
Tool joint OD (inches)	5-1/4"	
Tool joint ID (inches)	2-1/4"	
Type of hard banding		
Internal Plastic Coated:	YES	
Pin and Box Protectors:	YES	
Hevi-Wate Drill Pipe		
OD/ID body (inches)	OD 4 " - ID 2-9/16"	
Quantity jts.:	26	
Estimated total length - ft	810.36'	
Grade:		
Weight - lbs/ft :	27.72 lbs/ft	
Range:	2	
Type of connection	4" FH	
API Class:		
Tool joint OD (inches)	5-1/4"	
Tool joint ID (inches)	2-9/16"	
Type of hard banding		
Internal Plastic Coated:	Yes	
Pin and Box Protectors:	Yes	
Drill Collars		
1) Quantity :	6	
OD/ID body (inch)	8" X 2 7/8"	
Type of connection:	6 5/8 reg	
Weight (lbs/ft):	149.7	
API Class:		
Range:	2	
Slick or Spiral:	Spiral	
Slip and/or elevator access:	NO	
Stress relief:	NO	
Pin and box protectors:	YES	
Boreback on box:	YES	
Date of Purchase:		
Manufacturer:		
Last Inspection:		

RIG 736 LAND RIG EQUIPMENT LIST

D. Drill String / Handling Tools

2) Size OD/ID body (inch)	6 1/2 x 2 1/2"	
Quantity :	8	
Type of connection:	4 IF NC 46	
Weight (lbs/ft):	91.7	
Range:	2	
Slick or Spiral:	SPIRAL	
Slip and/or elevator access:	NO	
Stress relief:	NO	
Pin and box protectors:	YES	
Boreback on box:	YES	
Date of Purchase:		
Manufacturer:		
Last Inspection:		
3) Size OD/ID body (inch)	4 3/4" x 2 1/2"	
Quantity :	5	
Type of connection:	3 1/2 IF	
Weight (lbs/ft):	46.8	
Range:	2	
Slick or Spiral:	SPIRAL	
Slip and/or elevator access:	NO	
Stress relief:	NO	
Pin and box protectors:	YES	
Boreback on box:	YES	
Date of Purchase:	Apr-09	
Manufacturer:		
Last Inspection:		
Upper Kelly Cock		
Make/Type:		
Quantity:		
Size OD/ID body: inch		
Working pressure / test pressure:		
Connections upper/lower:		
Lower Kelly Cock		
Make/Type:		
Quantity:		
Size OD/ID body: inch		
Working pressure / test pressure:		
Connections upper/lower:		
Available Cross Over Subs for DC:		
Bit Subs		
Quantity:		
Length, OD, ID:		
Bored for float valve:		
Thread Types		

RIG 736 LAND RIG EQUIPMENT LIST

D. Drill String / Handling Tools

Cross-Overs		
Quantity:	1	
Length, OD, ID:	8"	
Connection:	4" FH X 7 5 / 8"	Pin - Box
Date of last inspection:		
Quantity:	1	
Length, OD, ID:	12"	
Connection:	4 1/2" X 4" FH	Pin - Box
Date of last inspection:	04-Oct-11	
Quantity:	1	
Length, OD, ID:	12"	
Connection:	4 1/2" XH X 3 1/2" IF	Pin - Box
Date of last inspection:		
Quantity:	1	
Length, OD, ID:	7 1/2"	
Connection:	4 1/2" XH X 4" FH	Pin - Box
Date of last inspection:		
Quantity:	1	
Length, OD, ID:	15 1/2"	
Connection:	4" 8HR X 4" FH	Pin - Box
Date of last inspection:		
Quantity:	1	
Length, OD, ID:	8 1/2"	
Connection:	4 1/2" IF X 7"8HR	Pin - Box
Date of last inspection:		
Quantity:	1	
Length, OD, ID:	9"	
Connection:	4 1/2" IF X 7"8HR	Pin - Box
Date of last inspection:		
Quantity:	1	
Length, OD, ID:	45 1/2"	
Connection:	4 1/2" IF X 7"8HR	Pin - Box
Date of last inspection:		
Quantity:	1	
Length, OD, ID:	45 1/2"	
Connection:	4 1/2" IF X 7"8HR	Pin - Box
Date of last inspection:		
Quantity:	1	
Length, OD, ID:	11"	
Connection:	4"FH	Pin - Box
Date of last inspection:	04-Oct-11	
Circulating Nubbins		
Make/Type:		
Quantity:	1	
Bottom Connection:	4" FH	
Top Connection:	3" 1502 Hammer Union	

RIG 736 LAND RIG EQUIPMENT LIST

D. Drill String / Handling Tools

Casing Circulation Subs		
Quantity	1	Length: 22"
Make/Type	BTC	
OD body	9-5/8"	
Connection type	4 FH	

RIG 736 LAND RIG EQUIPMENT LIST

D. Drill String / Handling Tools

Quantity	1	Length: 17"
Make/Type	BTC	
OD body	9-5/8"	
Connection type	2" NPT	
Quantity	1	Length: 10"
Make/Type	BTC	
OD body	9-5/8"	
Connection type	2" NPT	
Quantity	1	
Make/Type	BCN	
OD body	7"	
Connection type		
Quantity	1	
Make/Type	BCN	
OD body	13"	
Connection type	2" NPT	
Quantity	1	
Make/Type	8 HR	
OD body	7 3/8"	
Connection type	4" FH	
Quantity	1	
Make/Type	BCN	
OD body	7"	
Connection type	7" BCN X 3 1/2"	
Quantity	1	
Make/Type	BTC	
OD body	3 1/2"	
Connection type	3 1/2" BTC X 4" FH	
Quantity	1	
Make/Type	BTC	
OD body	7"	
Connection type	7" BTC X 4"FH	
Quantity	1	
Make/Type	8 HR	
OD body	7"	
Connection type	7" 8 HR X 4"FH	
Quantity	1	
Make/Type	FH	
OD body	4"	
Connection type	4" FH X 2" 8HR	
Cushion Sub		
Quantity	1	
Make/Type	4FH WHITH CONECCION 1/2"	
Length, OD, ID:	4"FH	
Connection type	4"FH	
Handling Tools		

RIG 736 LAND RIG EQUIPMENT LIST

D. Drill String / Handling Tools

Elevators - Drill Pipe and Casing		
Make/Type:	VARCO BJ	
Capacity:	150 TONS. / 135 MTONNES	
Size Range:	13 3/8"	
Quantity:	1	
Date of last magnaflux survey:		

RIG 736 LAND RIG EQUIPMENT LIST

D. Drill String / Handling Tools

Make/Type:	VARCO BJ	
Capacity:	150 TONS. / 135 MTONNES	
Size Range:	7"	
Quantity:	1	
Date of last magnaflux survey:		
Make/Type:	VARCO BJ	
Capacity:	150 TONS. / 135 MTONNES	
Size Range:	3 1/2 @ 5 1/2"	
Quantity:	1	
Date of last magnaflux survey:		
Make/Type:	WTM	
Capacity:	100 TONS.	
Size Range:	3 1/2"	
Quantity:	1	
Date of last magnaflux survey:		
Make/Type:	VARCO BJ	
Capacity:	150 TONS. / 135 MTONNES	
Size Range:	4 1/2"	
Quantity:	1	
Date of last magnaflux survey:		
Manual Slips - Drill Pipe / Drill Collars		
Make/Type:	6 1/2"	
Capacity:		
Quantity:	1	
Date of last magnaflux survey:		
Make/Type:	8"	
Capacity:		
Quantity:	1	
Date of last magnaflux survey:		
Make/Type:	SDXL / 4"	
Capacity:		
Quantity:	2	
Date of last magnaflux survey:		
Make/Type:	4 3/4"	
Quantity:	1	
Size range:		
Date of last magnaflux survey:		
Manual Rotary Tongs (DP, DC, and Casing)		
Make/Type:	Varco / HT55	
Quantity:	1 Set	
Jaw assemblies x size range:	3-1/2" to 13-5/8"	
Torque indicator:	Yes	
Date of last magnaflux survey:	9- ENE- 2012	
Power Rotary Tongs (DP)		
Make/Type:		
Quantity:	1 Set	
Jaw assemblies x size range:	3-1/2" to 13-5/8"	
Torque indicator:	Yes	
Date of last magnaflux survey:		
Rolling Keys		
Make/Type:	Varco / Model SSW30	
Quantity:	1	
Jaw assemblies x size range:	2 7/8" 2 9 1/2"	
Torque indicator:	YES	
Date of last magnaflux survey:		
Iron Roughneck		
Make/Type:	Not Available	

RIG 736 LAND RIG EQUIPMENT LIST

D. Drill String / Handling Tools

Pipe handling range (inches):		
Model:		
Maximum break-out torque (ft-lbs):		
Maximum make-up torque (ft-lbs):		
Automated Pipe Handler - Hydraulic Catwalk		
Make/Type:	MD Cowan	
Pipe handling range (inches):		
Capacity:		
Hydraulic Power Pack:	Yes	
Picture:		

RIG 736 LAND RIG EQUIPMENT LIST

Well Control Equipment

BOP Stack

Low Pressure BOP Equipment		
Annular		
Quantity :	1	
Make :	ECTIPSA	Year of Manufacture: 24-02-12
Type :	PRE ESFERICO	SN- SPM-603
Size (inch) :	11"	
WP (PSI) :	5000 LB	
Connection top/bottom :	11" X 5000 LB	
Closing system:	YES	
Fitted with accumulator bottle for stripping :	NO	
H2S Service:	YES	
Date of last OEM inspection:		
Picture:		
Ram type Preventer		
Quantity :	1	SN# 1257
Make :	ECTIPSA	
Type :	PRE ESFERICO	
Single/double :	Single	
Size (inch) :	11"	
WP (kPa) :	10,000 PSI.	
Side outlets:	10,000 PSI.	
- Quantity:	2	
- Size:	3 1/16"	
- Working pressure:	10,000 PSI.	
Connection top/bottom :	11" BX 158	
H2S Service:	YES	
Number / size of pipe rams:	1 Set of 4" Pipe Rams	
Number of blind rams:	N/A	
Date of last OEM inspection:		
Pictures:		
Choke Lines		
Quantity:	2	
Make/Type:	Gates	
Diameter (OD/ID):	6 "	
Working Pressure:	100,000 PSI.	
H2S Trimmed:	YES	
Primary Lines		
Quantity:	1	
Make/Type:	STEEL COVERED	
Diameter (OD/ID):	6 1/2"	
Working Pressure:	5000	
H2S Trimmed:	YES	
Second Lines		
Quantity:	1	
Make/Type:	STEEL COVERED	
Diameter (OD/ID):	6 1/2"	
Working Pressure:	5000	
H2S Trimmed:	YES	
Kill Lines		
Quantity:	1	
Make/Type:	STEEL COVERED	
Diameter (OD/ID):	3 3/8" OD 2 1/8" ID	
Working Pressure:	5000	
H2S Trimmed:	YES	

RIG 736 LAND RIG EQUIPMENT LIST

Well Control Equipment

Manual Valves		
Quantity:	3	
Make	OIL TOOLS (OFV)	
Model	12844	
Diameter (ID):	3 1/8	
Working Pressure:	5000	
H2S Trimmed:	YES	
Hydraulic Valves		
Quantity:	1	
Make/Type:	OIL TOOLS	
Diameter (OD/ID):	3 1/8 ID	
Working Pressure:	5000	
H2S Trimmed:	YES	
Check Valves		
Quantity:	1	
Make/Type:	G575 OIL TOOLS	
Diameter (OD/ID):	3 1/8 ID	
Working Pressure:	5000	
H2S Trimmed:	YES	
BOP Rams		
Quantity:	1 set	
Size / Type:	7"	
Working Pressure:		
Quantity:	2 set	
Size / Type:	4"	
Working Pressure:		
Quantity:	1 set	
Size / Type:	3 1/2"	
Working Pressure:		
Quantity:	1 set	
Size / Type:	Blinds	
Working Pressure:		

RIG 736 LAND RIG EQUIPMENT LIST

Well Control Equipment

BOP Control System		
Accumulator unit		
Make :	Electronic Control Systems	
Model :	PLCBAR-R-5-19109918	
Serial No. :	Not Available	
Reservoir capacity litre (gal)	1362 Liters	
No. of stations:	5	
No. of bottles/banks installed	10 Oxygen + 3 Nitrogen	
Total bottle capacity litre (gal)		
Bottle working pressure (psi)	10 - 1,000 psi.	
	3 - 2,000 psi.	
	2 - 500 psi.	
Low(pressure/reservoir level or rig air pressure)audible alarm y/n	No	
Triplex pumps		
Quantity :	1	
Make :	No Plate Available	
Model :	No Plate Available	
Serial Nr.	No Plate Available	
Neumathical Pumps.		
	1	2
Make	ABB	ABB
Model	P066-T	PO66-T
Serial Nr	11102	No Plate Available
Air pumps		
Quantity :	2	
Motor Electrico		
Make	General Electric	
Modelo	5KE28VBC204	
No de serie	MKH29C773002	
HP	25 Hp.	
Volts.	575 Volts.	
Amps.	23.3 Amps.	
RPM	1,765 RPM	
Frame	284T	
Driller's control panel		
Make :	ACADEMY ELECTRIC SERVICES LTD.	
Model :		
Low accumulator system pressure audible and visual alarm y/n	NO	
Low reservoir level audible and visual alarm y/n	NO	
Low rig air pressure audible and visual alarm y/n	NO	
Pressure regulator for bag		
Control for by-pass valve		
Remote control panels		
Make :	Electronic Control Systems	
Model :	PLCVAL-L-5	
Flow Meter counter:	YES	
Location :	DOGHOUSE	

RIG 736 LAND RIG EQUIPMENT LIST

Well Control Equipment

Choke manifold		
Make :	Cameron	
Size inch	3 1/16" ID	
Working Pressure (psi)	10,000 PSI.	
H2S service y/n	YES	
Number of independent choke line inlets:	2	
Quantity of gate valves :		
Make/model :	Gates Grado 3.0	
Size inch	6 1/2"	
Working pressure:	10,000 PSI.	
Quantity of manual adjustable chokes :	1	
Make/type :	Cameron / H2	
Diameter:		
Working Pressure (psi)	10,000 PSI.	
Quantity of positive chokes :	1	
Make/type :	Cameron / H2	
Diameter:		
Working Pressure kPa (psi)	10,000 PSI.	
Quantity of hydraulic chokes :	1 Electric.	
Make/type :	Betis / Eclosure	
Diameter:		
Working Pressure (psi)	10,000 PSI.	
Power choke remote control panel y/n :	YES	
Make/type :	Pason	
Location:	Choke Manifold & Doghose	
Description:	Digital	
Possibility to replace by an adjustable choke:	YES	
Pressure gauges	Digital	
Annulus: pressure & range		
Stand pipe: pressure & range	0-5000	
Glycol injection pump y/n		
Make/type :		
Buffer Chamber		
Working pressure:	700 PSI.	
Date of last OEM inspection of entire system:		
Hydraulic Test Pump	NA	
Make :		
Model :		
Test stumps for BOP testing	NA	
Location :		
Complete with cup type test tools y/n		
Quantity:		
Make / Type:		
Working Pressure:		
Chart Recorder:	a	
BOP Test Mandrels:		
Flare Lines		
Quantity:	6	
Length:	14 ft	
Size:	4.5" OD	
Flare Ignition System		
Make:	No Plate Available	
Type:	ELECTRIC/PROPANE	
Location:	TOP OF FLARE STACK	
No. of igniter panels:	1	
- Make/type:	electric AB	
No. of propane pilots:	1	
- Locations:	TOP OF FLARE STACK	
Diesel drip pan system for ignition system:	MANUAL	
- Description:	CARRUCHA.	

RIG 736 LAND RIG EQUIPMENT LIST

Well Control Equipment		
E.3.6. Flare Tank		
Capacity	100 Bls	
Dimensions		
- Height (ft)	6 FT	
- Wide (ft)	6 1/2 FT	
- Length (ft)	16 FT	

RIG 736 LAND RIG EQUIPMENT LIST

Mud System		
Mud pumps (triplex)	Mud pumps (triplex) 1	Mud pumps (triplex) 2
Quantity:	2	(EMSCO F-1,000)
Make :	Bpmp (Baoji China)	Bpmp (Baoji China)
Model :	BSF-1000 Pump Triplex	BSF-1000 Pump Triplex
Serial Nr.	CD-06-99	CD-08-99
Power rating / pump (HP):	1000 Input & 140 SPM.	1000 Input & 140 SPM.
Mud pump driven by motors: no./type	GE 752-AR2A	Merimex 750 Series
Serial Nr.	7534606	558830
Continuous power rating of each motor: HP	1000	1000
HIGH IDLE	N/A	N/A
Rated pump speed: (spm)	N/A	N/A
Bore and stroke:	10"	10"
Cranckcase Capacity	75 Gal.	75 Gal.
Hydryl	750 Psi. de Nitrogeno	750 Psi. de Nitrogeno
Maximum pump pressure: psi	5000 PSI	5000 PSI
Maximum pressure at maximum flow rate: (psi)		4-1/2" Liner = 5000 PSI
		5" Liner = 4300 PSI
		5-1/2" Liner = 3500 PSI
		6" Liner = 3000 PSI
		6-1/4" Liner = 2700 PSI
		6-1/2" Liner = 2500 PSI
		6-3/4" Liner = 2400 PSI
Pulsation Dampers	1	2
Make	Chinese	Chinese
Serial Number	873	ER6617004010
Bladder Relief Pressure	500-700 PSI	500-700 PSI
Bomba Lubricadora cuerpo mecanico	1	2
Make	Norcan	VESCOR
Models	P30A194BE101230	Sin placa de datos
NO.SERIE	B0022054	
Type	Engranes	
Motor Electrico		
Make	VP MOTORS	VP MOTORS
Serie	B2738KJ	No Plate Visable
HP	5 HP	5 HP
Volts.	575 Volts.	575 Volts.
Amps.	5 Amps.	5 Amps.
RPM	1,745 RPM	1,745 RPM
Frame	184TC	184T
Mud Pump 1 and 2	1	2
Bomba Pre-cargadora		
Marca	HALCO 2500 SUPREME	HALCO 2500 SUPREME
Model :	HV6016027AO	HV6016027AO
Serial Nr.	8579	8100139HJ
Pump Size	6 X 5 X 14	6 X 5 X 14
Impeller Size	14"	14"
Motor Electrico de Pre-cargadora		
Marca	VP MOTORS	VP MOTORS
Serial Nr.	10157G	Inlegible
HP	50 Hp	50 Hp
Volts.	575 Volts.	575 Volts.
Amps.	46 Amprs.	46 Amprs.
RPM	1,775 RPM	1,775 RPM
Frame	326T	326T
Mud Pump 1 and 2	1	2
Bomba lubricadora de Vastagos	Missing	

RIG 736 LAND RIG EQUIPMENT LIST

Mud System		
Marca	Missing	HALCO 11805
No. De Serie	Missing	6404
Modelo	Missing	S1602600244
Pump size	Missing	1 X 1.50
Impeller Size	Missing	8.5"
Motor Lubricador de vastagos		
Marca	Missing	Placa no visible.
No. De Serie	Missing	
Modelo	Missing	
Volts.	Missing	575 Volts.
Amps.	Missing	5 Amps.
HP	Missing	5 Hp
RPM	Missing	1,745 RPM
Frame	Missing	184T
Mud Pump 1 and 2	1	2
Motor de D.C.		
marca	Amerimex	Amerimex
Modelo	93436	11051
Serie	Not Available	Not Available
Volts.	750 VDC	750 VDC
Amps.	1,036 Amps.	1,036 Amps.
HP	1,000 Hp	1,000 Hp
RPM	975 RPM	975 RPM
Type	Serie	Serie
Frame	CONV	CONV
Mud Pump 1 and 2	1	2
Blower Motor		
marca	Siemens	Siemens
Modelo	Not Available	Not Available
Serie	B08T1339CE8	B08T1339CE7
Volts.	575 Volts.	575 Volts.
Amps.	9.2 Amps	9.2 Amps
HP	10 Hp.	10 Hp.
RPM	3,505 RPM	3,505 RPM
Type		R9ZZECD
Frame	215T	215T
Mud Pump 1 and 2	1	2
- Pressure relief valves	1	2
Make / Type	OTECO	OTECO
No. Serial	35983	35985
Pressure rating	3" x 5000 PSI	3" x 5000 PSI
Discharge Lines		
Inside Diameter:	6"	
Working / test pressure:	5000 LB	
Rotary hoses		
Quantity:	NA	
Diameter (ID / OD):		
Make:		
Type: (fire resistant / stainless steel / heavy armor)		
Working and test pressures:		

RIG 736 LAND RIG EQUIPMENT LIST

Mud System		
Stand Pipe Manifold		
Working / test pressure:	5,000	
Stand Pipe		
- Quantity / ODxID	4 x 3 1/8	
- Working / test pressure:	5,000	
Valve		
- Make:		
- Type:		
- Number:		
- Size:	2" & 4"	
- Working / test pressure:	5000LB / 10000LB	
Kill line and connections:	1502	
Connection for cementing unit:		
High Pressure Lines		
Quantity:	8	
Size:	4" & 2"	
Working pressure:	5000 LB	
Kill Line Manifold (between pumps & wellhead)		
Quantity:	1	
Size:	3 3/8	
Working pressure:	5,000	
Casing Fill-up Device		
Description:		
Capacity:		
Bell Nipple		
Quantity:	2	
Size:	11" & 13 5/8"	
Flow Line		
Quantity:	1	
Size:	12"	
Low Pressure Mud System – Tanks		
Mud tank system		
Active mud tanks		
Quantity :	2	
Total capacity: bbls / m3	1,248.42 bbls. / 198.49 M3	
Number of compartments:	11	
Description/Capacity No. 1: bbl	25.26 Trip Tank	
Description/Capacity No. 2: bbl	46.63 Settlement Tank 1	
Description/Capacity No. 3: bbl	106.94 Settlement Tank 2	
Description/Capacity No. 4: bbl	64.59 Transfer Tank	
Description/Capacity No. 5: bbl	166 Work Tank	
Description/Capacity No. 6: bbl	165 Work Tank	1 Agitator
Description/Capacity No. 7: bbl	165 Work Tank	1 Agitator
Description/Capacity No. 8: bbl	149 Suction Tank 1	1 Agitator
Description/Capacity No. 9: bbl	149 Suction Tank 2	1 Agitator
Description/Capacity No.10: bbl	149 Suction Tank 3	1 Agitator
Description/Capacity No.11: bbl	62 Pill Tank	1 Agitator
Low / high pressure mud guns:	No	
Bottom / surface guns: y/n	No	
Industrial water line installed:	Yes	
Diesel / fuel line installed:	No	
Water tanks		
Quantity :	1	
Total capacity: bbl	364.77 bbl.	

RIG 736 LAND RIG EQUIPMENT LIST

Mud System		
Pill tank		
Quantity :	1	
Description/Capacity No. 1: bbl	56.6	
Number of compartments:	1	
Mud agitators	Yes	
Low / high pressure mud guns:	NO	
Bottom / surface guns: y/n	NO	
Industrial water line installed:	YES	
Diesel / fuel line installed:	NO	
Dump valves / type:	MARIPOSA	
Connection to mixing circuit:	Yes	
Trip tank		
Total capacity: bbls	21 bbl.	
Bomba centrifuga		
Make	Halco 2500 Supreme	
Model	H6101600260	
Serial Nr	6363	
Impeller size	8 1/2"	
Pump size	3 x 2 x13	
Motor electrico de tanque de viaje		
Make	Teco	
Tipo	AEHEBM	
Serial Nr	EH4760070012	
HP	10 Hp.	
Volts.	575 Volts.	
Amps.	9.4 Amps.	
RPM	1,755 RPM	
Frame	215T	
Mixing Pump 1 and 2		
	1	2
Bomba centrifuga		
Make	Halco	Halco
Model	V64016027AO	H64016027AO
Serial Nr.	8386	8604
Pumps size	6 x 5 x14	6 x 5 x14
Impeller size	14"	14"
Motor electrico		
Marca	Baldor	VP Motors
Model	BX559144	
Serial Nr.	C0709250283	100177H
HP	50 HP.	100 Hp.
Volts.	575 Volts.	575 Volts.
RPM	1,775 RPM	1,785 RPM
Amps	47 Amps.	91.6 Amps.
Frame	326T	405T
Trasfers Pump 1 and 2		
	1	2
Bomba centrifuga		
Make	Halco	Halco 2500 Supreme
Model	H64017027AO	No tiene placa de datos
Serial Nr.	8569	
Pumps size	6 x 5 x14	6 x 5 x14
Impeller size	14"	14"
Motor electrico		
Marca	VP	VP
Model	Not Available	Not Available
Serial Nr.	B1098F	B10168E
HP	50	50
Volts.	575	575
RPM	1775	1775
Amps	46	46

RIG 736 LAND RIG EQUIPMENT LIST

Mud System		
Frame	326T	326T
Caustic Mixing Unit		
Quantity :	1	
Type :	manual	
Low Pressure Mud System – Process Equipment		
Shale shaker		
Nr. 1 Shaker	Motor 1	Motor 2
Make :	Brandt	Brandt
Type	Missing Motor	Missing Motor
Model	Missing Motor	Missing Motor
Serial Nr.	Missing Motor	Missing Motor
Volts.	Missing Motor	Missing Motor
RPM	Missing Motor	Missing Motor
Hp	Missing Motor	Missing Motor
Amps.	Missing Motor	Missing Motor
Watts.	Missing Motor	Missing Motor
Frame	Missing Motor	Missing Motor
Nr. 2 Shaker	Motor 1	Motor 2
Make :	Brandt	Brandt
Type	CDX18-8340-VW	CDX18-8340-VW
Model	LCM-2D	LCM-2D
Serial Nr.		
Volts.	230 / 460 Volts.	230 / 460 Volts.
RPM	1,800 RPM	1,800 RPM
Hp	2.5 Hp	2.5 Hp
Amps.	7/3.5 Amps.	7/3.5 Amps.
Watts.	1,865 Watts.	1,865 Watts.
Frame	88.70	88.70
Nr. 3 Shaker		
Make :	Brandt	Brandt
Type	CDX18-8340-VW	CDX18-8340-VW
Model	LCM-2D	LCM-2D
Serial Nr.		
Volts.	330 / 575 Volts.	330 / 575 Volts.
RPM	1800 RPM	1800 RPM
Hp		
Amps.	4.9/2.8 Amps.	4.9/2.8 Amps.
Watts.	1,865 Watts.	1,865 Watts.
Frame	88.70	88.70
Mud Cleaner	1	2
HP	2.5 Hp	No visible
Volts.	575 Volts.	
Amps.	2.3 Amps.	

RIG 736 LAND RIG EQUIPMENT LIST

Mud System		
Desander		
Make	Not Available	
Model / Part Nr		
Cones:		
- Quantity:		
- Type:		
- Diameter:		
Centrifugal Pump		
Make	Mission Magnum 1	
Model	M2404411-89MCA	
Serial	20941-3	
Size		
Impeller		
Electric Motor		
Make	Baldor	
Model	Plate Not visable	
Serial Nr.	Plate Not visable	
Amps.	52 Amps.	
Hp	50 Hp	
RPM	1,800 RPM	
Frame	326T	
Desilter		
Centrifugal pump :		
Make	Mission Magnum 1	
Model	MAG6X5MSHT19121-70-30	
Serial Nr.	M46067	
Size	6 x5 x11	
Impeller Diameter	11"	
Electric Motor		
Make	VP Motors	
Serial	100017 H	
Amps.	91.6 Amps.	
Volts.	575 Volts.	
Hp	100 Hp	
RPM	1,785 RPM	
Frame	405T	
Mud/gas separator (poor boy)		
Bomba Centrifuga Tanque de recuperacion		
Make	Mission Magnum 1	
Modelo	A77B10C12011E01	
Minimum diameter ID inch	Plate not Visable	
Gas discharge line OD inch		
Working pressure:		
Electric Motor		
Modelo	40BC02JPP3	
Serial	1-5107-53279-2-6	
Type	RGZZ	
Amps.	14.9 Amps.	
Volts.	600 Volts.	
Hp	15 Hp	
RPM	1,770 RPM	
Frame	254T	
Vacuum Degasser		
Bomba del desgasificador Vacuum		
Make :	Ingersoll rand	
Model	D255	
Serial Nr.	7054750	
Maximum capacity:		
Type/size centrifugal pump :		
Motor Electrico		

RIG 736 LAND RIG EQUIPMENT LIST

Mud System		
Make :	Siemens	
Model	41A005L1AGJR	
Serial Nr.	70600972	
HP	5 Hp.	
Volts.	230/460 Volts.	
Amps.	12.6/6.3 Amps.	
Frame	184T	
- Impeller diameter:		
Driven by electric motor of HP		
Cellar Pump 1 and 2	1	2
Cellar pump		
Make (e.g. Flygt) :		
Volts.	220 Volts.	600 Volts.
HP	Plate not Visable	Plate not Visable
Capacity bbl/min:		
Inlet pipe:		
Out put / discharge pipe:	4"	6"
Agitators		
Quantity	6	
Agitators Electric Motors		
Motor	1	
Make	SEW EURODRIVE	
No de Parte	RF87DV13254	
No. Serial.	81.51.64851.2/2	
Amps.	13.07 / 7.5 Amps.	
Volts.	330 / 575 Volts.	
Hp.	7.5 Hp.	
Transmission		
No de Parte	RS87	
No de serie	80.51.55912.9/4	
Motor	2	
Make	SEW EURODRIVE	
No de Parte	RF80DV13254	
No de serie	81.51.42033.8/08	
Amps.	13.07 / 7.5 Amps.	
Volts.	330 / 575 Volts.	
Hp.	7.5 Hp.	
Transmission		
No de Parte	RS87	
No de serie	80.51.55912.9/4	
Motor	3	
Make	SEW EURODRIVE	
No de Parte	RF80DV13254	
No de serie	No visible	
Amps.	13.07 / 7.5 Amps.	
Volts.	330 / 575 Volts.	
Hp.	7.5 Hp.	
Transmission		
No de Parte	RF874	
No de serie	81.51.64851.2/2	
Motor	4	
Make	SEW EURODRIVE	
No de Parte	RF870DV13254	
No de serie	No visible	
Amps.	13.07 / 7.5 Amps.	
Volts.	330 / 575 Volts.	

RIG 736 LAND RIG EQUIPMENT LIST

Mud System		
Hp.	7.5 Hp.	
Transmision		
No de Parte	No visible	
No de serie		
Motor	5	
Make	SEW EURODRIVE	
No de Parte	RF80DV13254	
No de serie	81.51.42033.8/09	
Amps.	13.07 / 7.5 Amps.	
Volts.	330 / 575 Volts.	
Hp.	7.5 Hp.	
Transmision		
No de Parte	RF87A	
No de serie	81.51.64851.2/1	
Motor	6	
Make	SEW EURODRIVE	
No de Parte	RF87DV13254	
No de serie	80.51.55912.9/3	
Amps.	13.07 / 7.5 Amps.	
Volts.	330 / 575 Volts.	
Hp.	7.5 Hp.	
Transmision		
No de Parte	RF87DV13254	
No de serie	850116580.1	

RIG 736 LAND RIG EQUIPMENT LIST

Instrumentation

Drilling Instrumentation

Tong Torque Indicator		Drilling recorders to be provided by operator.
Quantity:	1	
Make:		
Type:	HYDRAULIC	
Torque range (ft/lbs.):	0 @ 5,000 PSI.	
Recorder and reading:		
Range & unit:		
Location:	CONTROL PANEL	
Weight Indicator	CIA. VARCO PROPRIETY	
Make/Type:	MARTIN DECKER	Serial No. 0906576 / Mod. GA80-0015-11
Range & unit:	0-48,000 Lbs.	READING UP-DOWN 0.10%
Date of last inspection:	9-ENE-2012	
Mud Pump Pressure Gauges		
Quantity:	1	2
Make/Type:	MARCA: OTECO	MODEL: 6
Range & unit:	0 @ 5000 PSI	0 @ 5000 PSI
Location:	MUD PUMPS 1	MUD PUMPS 2
Pump Stroke Indicator	Not Available	
Quantity:		
Make/Type:		
Cumulative:		
Recorder and reading:		
Location:		
Rotary Tachometer		
Quantity:	1	
Make/Type:		
Selection top drive / rotary:		
Recorder and reading:		
Location:	DRILLER'S CONSOLE	
Rotary Torque Indicator		
Quantity:		
Make/Type:		
Range & unit:		
Recorder and reading:		
Location:	DRILLER'S CONSOLE	

RIG 736 LAND RIG EQUIPMENT LIST

Instrumentation

Trip Tank Indicator	Not Available	
Make/Type:		
Recorder and Reading:		
In/Out:		
Accuracy:		
Location:		
Standpipe Pressure Gauges		
Quantity	1	
Make/Type	OTECO	
Pressure range	0 @ 5000 PSI	
Choke Manifold Pressure Gauge		
Quantity	1	
Make/Type	MF GAUGE	
Pressure range	0 @ 6000 PSI	
Automatic Driller		
Make/Type:	Not Available	
Deviation Equipment		
Measuring Device	Not Available	
Quantity	Not Available	
Make/Type	Not Available	
Deviation range	Not Available	
Wireline Winch	Not Available	
Make/Model		
Wire length (nominal)		
Wire size		
Serial Nr.		

RIG 736 LAND RIG EQUIPMENT LIST

Instrumentation

Rig Communication System		
Telephone System / Intercom System		
No. of stations:	6	
Make/Type:	Gaytronics	
Explosion proof: y/n	Yes	
Telephone System / Satellite Communication	Not Available	
Telephone connection to:		

RIG 736 LAND RIG EQUIPMENT LIST

Well-Site Trailers

Rig Camp

Calmena Well Site Staff Accommodation		
Total Number of Beds:	5	
Number of Skid Mounted Caravans:	2	1 STP and 1 Electrician & Mechanic
1 bedrooms in each:	1	
2 bedrooms in each:	2	
Number of Galleys:	2	
Refer to Pictures		
Calmena STP Office		
Each trailer complete with:		
Furniture: y/n	yes	Various Spare Parts in Cupboards
Computer: y/n		
- Make / type:		Missing
Photocopy machine: y/n		
- Make / type:		Missing
Laser Jet Printer: y/n		
- Make / type:		Missing
Refrigerator: y/n	yes	
Coffee machine: y/n	yes	

RIG 736 LAND RIG EQUIPMENT LIST

Fire Prevention & Safety Equipment

Detection and Alarms

Combustible Gas Detection	no	
Description:		
Type & Location of sensors:		
Type & Location of alarms:		
Alarm setting range:		
Type & Number of explosimeters:		
Fire Detection		
Smoke and heat detectors:	9	2 pcr, 1 cuarto auxiliar, Traila hab. 6
Alarms:	1	1 pcr
Type and Location of sensors:	0	
H2S Gas	no	
Type of fixed detectors:		
Number and location of detectors:		
Number and location alarms:		
Alarm setting range:		
Make & Type of Portable Detectors		
Smoke and heat detectors:	1 TMX	Draguer X-am 3000-4543610
Alarms:		
Location of sensors:		
Safety Equipment		
Retractil:		
Make/Type:	2	Miller 140 ft
System escape of monkey	1	
Mke/Type	Sestron	
Sistema de contrapeso	1	
Mke/Type	Debi/sala	
Life of line horizontal	1	
Mke/Type	Debi/sala	
Breathing System		
Self-contained breathing sets:	Drager	
Quantity:	8	
Make/Type:	SCBA	
Duration capacity: (30 min.)	30 min	
Air recharging system:	no	
Quantity:		
Make/Type:		
Duration capacity: (10 min.)		
Central air compressed unit & number of facemasks:		
Location of primary briefing area:		
Location of secondary briefing area:		
Wind Indicators Visible at Night:		
Fire Protection Equipment		

RIG 736 LAND RIG EQUIPMENT LIST

Fire Prevention & Safety Equipment

Fire Pump		
Make/type:	CO2, PQS.	
Quantity:	24	
Capacity / Output: gpm	12,9 y 6 kg.	
Driven by:		
- HP:		
Water Tank		
Quantity:	1	
Capacity:	45,000 lts	

RIG 736 LAND RIG EQUIPMENT LIST

Fire Prevention & Safety Equipment

Portable Foam Generator Equipment:	no	
Make/Type:		
Quantity:		
Capacity:		
Foam type:		
Portable CO2 Extinguishers		
Make/Type:	Cilindro	
Quantity:	5	
Capacity:	12 kg	
Date of last inspection:	May-12	
Dry Powder Extinguishers		
Make/Type:	Cilindro/cartucho	
Date of last inspection:	May-12	
Capacity:	45 kg	
Quantity / wheeled:	2	Sitting in Pump Building Number 2
Quantity / not wheeled:	17	
Capacity:	9 y 12 kg	
Date of last inspection:	May-12	
Rescue		
Stretchers:	1	

RIG 736 LAND RIG EQUIPMENT LIST

Fire Prevention & Safety Equipment

First Aid Equipment		
Type:	Botiquin	
Quantity:	2	
Emergency Shower:		
Quantity:	1	
Location:	Cuarto de mezclado	
Eye Wash Stations:		
Quantity:	5	
Location:	1 koomey, 2 presas, 1 bombas	1 temblorinas

RIG 736 LAND RIG EQUIPMENT LIST

[illegible]

RIG 736 LAND RIG EQUIPMENT LIST

Miscellaneous Equipment		
Workshop and Repair Facilities (Mechanic / pump shops)		
Mechanical Workshop:	1	
Facilities:	Mechanics Work Room	
Hydraulic Cutter for Wireline		
2		
Manufacturer:	PELL CABLE CUTTER CO.	
Wire Cutting Range:	MAX 1 1/8"	
High Pressure Wash Down Unit		
Make:		
Model:		
Number of wash guns:		
Fuel Oil Tank		
Tank		
Make:		
Capacity: bbl	150 BBL	
Number of transfer pumps	2	
Number of suction pumps	2	
Measuring device	SIGHT GLASS	
Pump Diessel	PRIMARY	SECONDARY
Make	No Plate Visable	No Plate Visable
Model		
Serial Nr		
Motor electrico		
Make	No Plate Visable	No Plate Visable
HP		
Impeller		
RPM		
Volts.		
Hz.		
Pump Diessel	AUXILIARY	
Make	No Plate Visable	
Model		
Parte No	606208	
Motor electrico		
Make	VP Motors	
Serial Nr	6201659KJ	
HP	5 Hp.	
Volts.	230 / 460 Volts.	
Amps	11.6 / 5.9 Amps.	
RPM	1,750 RPM	
Frame	184T	
Wather Tank		
Make:		
Capacity: bbl	364.77 bbls.	
Number of transfer pumps	2	
Number of suction pumps	2	
Measuring device		
Pump	1	2
Make	Weg	Weg
Model		
Serial Nr	BE 48239	BD 46198
HP	10 Hp	10 Hp
Impeller		
RPM	3510 RPM	3510 RPM
Volts.	230 / 460 Volts.	230 / 460 Volts.
Hidro-Jet	1	2
Location	Patin de bomba de lodo # 2	Presa de asentamiento
Make	Hawk	Hawk

SIMMONS EDECO SEAL TAG NUMBERS FOR RIG 736 BUILDINGS

Rig Building Description	Seal Tag Number (Tags are Blue In color and Zip Tie Type)	Comments
Change Room / Tea Room	OO11479	
Warehouse 20" Container	OO11449	2 Electric Motors,Quantity of Fire Ext.,Quantity of Electrical Cables, Roller Chain,Cat Rad Inhibitor,Steel Flanges, Bearings and Miss.
Dog House	OO11450	Some Safety Harnes,Tong Jaws,Rig Lights,and Miss.
Mechanic Shop	OO11447	
SCR Building	OO11461	
	OO11462	
Generator Building Number 1	OO11463	
Generator Building Number 2	OO11464	
	OO11469	
	OO11470	
Generator Building Number 3	OO11465	
	OO11466	
	OO11467	
	OO11468	
TP Shack	OO11410	End Entrance Door
	OO11402 + OO11407	Upper Cabinet 1 D, Various Spare Parts .
	OO11401 + 0011408	Lower Cabinet 1 D, Some TD parts and other Parts
	OO11406 + OO11409	Upper Cabinet 2 D, Various Spare Parts .
		Also in one closet numerous Oteco parts, Float Repair Kits and Various Hose Clamps , Tape Measure and other small items. Laying on the TP office floor a 3/4" socket set, Thread Tap Set, Hyd Ram Seals, Clevises' and other small items.
Mechanic/Electrical Shack	OO11403 & OO11405	

CES 835 - Inventory of parts

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DESCRIPCION	NUMERO DE PARTE	MINIMOS	MAXIMOS	QTY FISICA	U/M	LOCACION	UBICACION	MAQUINAS	COMENTARIOS
PLUG APPLETON 30 AMP	ACP-3023-BC-2W-3P-STY1			2	PZ	SEACAN ALMACEN			
PLUG APPLETON 60 AMP	ACP-6034-BC-3W-4-P			1	PZ	SEACAN ALMACEN			
PLUG APPLETON 100AMP	ACP-1034-CD-3W4P			6	PZ	SEACAN ALMACEN			
PLUG APPLETON 30 AMP	ACP-1033-BC-3W-3P			7	PZ	SEACAN ALMACEN			
PLUG APPLETON 30 AMP	ACP-3023-BC-2W-3P-STY1			1	PZ	SEACAN ALMACEN			
PLUG APPLETON 30 AMP	ACP-3044-BC-3W-4P			3	PZ	SEACAN ALMACEN			
100 MTS DE CABLE	THHW # 14 verde			1	PZ	SEACAN ALMACEN			
100 MTS DE CABLE	THHW # 14 negro			1	PZ	SEACAN ALMACEN			
100 MTS DE CABLE	THHW # 14 azul			1	PZ	SEACAN ALMACEN			
100 MTS DE CABLE	THHW # 14 blanco			1	PZ	SEACAN ALMACEN			
100 MTS DE CABLE	THHW # 14 rojo			1	PZ	SEACAN ALMACEN			
100 MTS DE CABLE	TW # 6 X 18			1	PZ	SEACAN ALMACEN			
60 MTS DE CABLE	TW # 12 ROJO			1	PZ	SEACAN ALMACEN			
60 MTS DE CABLE	TW # 12 BLANCO			1	PZ	SEACAN ALMACEN			
100 MTS DE CABLE	TW # 12NEGRO			1	PZ	SEACAN ALMACEN			
BALASTROS HUTO REGULADO DE 1000 W ADITIVO METALICO A-220 VOLT				2	PZ	SEACAN ALMACEN			
GAITRONIC				1	PZ	SEACAN ALMACEN			
ARRANCADORES MACNETICOS DE AGITADORES (USADOS)				2	PZ	SEACAN ALMACEN			
BALASTROS UNIVERSAL	490-XLH-TC P/2-1AMP-60 W			2	PZ	SEACAN ALMACEN			
BALASTRO ADVANCE	MOD-RC-25-85-TP-P/2-1AMP-60W			1	PZ	SEACAN ALMACEN			
ESTACION DE BOTONES ARRANQUE Y PARO	MOD-800H-NP-31-A-B			1	PZ	SEACAN ALMACEN			
CAJA CONDULET TIPO T CON TAPA 1/2				2	PZ	SEACAN ALMACEN			
CAJA FSC 1/2 SIN TAPA				2	PZ	SEACAN ALMACEN			
BALASTRAS ELECTRONICA	MOD-B-234SR-120M-A120-40W			1	PZ	SEACAN ALMACEN			
MICRO SWITCH 15 AMP X 600V PARA BOMBAS DE LODO (USADO)				1	PZ	SEACAN ALMACEN			
TRANSFORMADOR (USADO)	1PH-CAT-N-PH250			1	PZ	SEACAN ALMACEN			
VULVOS OSRAM DE 1000 W				2	PZ	SEACAN ALMACEN			
VULVOS DE 400W (USADO)				4	PZ	SEACAN ALMACEN			
CONTROL DE PRESION BULLETIN	MOD 836-T-CAT-836-T-254-J			1	PZ	SEACAN ALMACEN			
CONTACTOR APPLETON	EFSR-2023			2	PZ	SEACAN ALMACEN			
CONTACTOR APPLETON	HSC-175-2023			1	PZ	SEACAN ALMACEN			
RECEPTACULO APPLETON 60 AMP	ADR6034-3W-4-P			2	PZ	SEACAN ALMACEN			
RECEPTACULO APPLETON 100 AMP	ADR 1044-4W-4P			1	PZ	SEACAN ALMACEN			
TRANSFORMADOR	300 V - 120/240 - 240/480			1	PZ	SEACAN ALMACEN			

DESCRIPCION	NUMERO DE PARTE	MINIMOS	MAXIMOS	QTY FISICA	U/M	LOCACION	UBICACION	MAQUINAS	COMENTARIOS
CONTACTORES COBRE P/ TIERRA PERNOS PARTIDOS BURNDY CALIBRE 1/0				41	PZ	SEACAN ALMACEN			
CONTACTORES COBRE P/ TIERRA TIPO ZAPATA BURNDY CALIBRE 1/0				11	PZ	SEACAN ALMACEN			
CONTACTORES COBRE P/ TIERRA TIPO ZAPATA BURNDY CALIBRE 1/0 CON OPRESOR				4	PZ	SEACAN ALMACEN			
CONTACTORES COBRE P/ BARRILLA DE TIERRA TIPO ZAPATA BURNDY CALIBRE 1/0 5/8 X 280				10	PZ	SEACAN ALMACEN			
CONTACTORES DE BRONCE PERNOPARTIDO R-S-250 CALIBRE 2/0				3	PZ	SEACAN ALMACEN			
CONECTORES BRONCE PERNOS PARTIDOS 350 MCM				5	PZ	SEACAN ALMACEN			
PLASTIC REPL- INTERIOR # NPI 6044 APPLETON				4	PZ	SEACAN ALMACEN			
CONECTORES GLANDULA 3/4				47	PZ	SEACAN ALMACEN			
CONECTOR GLANDULA 1/2				31	PZ	SEACAN ALMACEN			
CONECTORES CURVO DE 1/2				1	PZ	SEACAN ALMACEN			
CONECTORES GLANDULA 1"				3	PZ	SEACAN ALMACEN			
REDUCCIONES DE ALUMINIO DE 1" A 3/4				5	PZ	SEACAN ALMACEN			
REDUCCIONES DE ALUMINIO DE 3/4" A 1/2				2	PZ	SEACAN ALMACEN			
BULVO P/ LAMPARA CAT	X7489-24-VCD / D01402Y10P49			3	PZ	SEACAN ALMACEN			
LAMPARA HALOGENO 351-9918	24V CD AA			1	PZ	SEACAN ALMACEN			
LAVEL POSITION CAT 9V-2921X1-P-07-08-472				4	PZ	SEACAN ALMACEN			
76 MTS DE CABLE ACERO INOXIDABLE 3/16				1	PZ	SEACAN ALMACEN			
CONTACTOS ALUMINIO EFSR 2023 APPELTON				8	PZ	SEACAN ALMACEN			
CENTRO DE CARGA CAT # QOD4F SQUARED				1	PZ	SEACAN ALMACEN			
LAMPARA ACCULATE DE 120 V AC 40 W COMPLETA				1	PZ	SEACAN ALMACEN			
BULVO P/ LAMPARA DE 1000W PARA LAMPARA PORTATIL				1	PZ	SEACAN ALMACEN			
BULVO LAMPARA DE 400W VAPOR DE MERCURIO				6	PZ	SEACAN ALMACEN			
CONTACTO DE PRESION MARCA BOULELIN 836-T ALLEN BRADLEY	# CAT 836T-T254 J			2	PZ	SEACAN ALMACEN			
100 MTS DE CABLE THW # 4 COLOR VERDE				1	PZ	SEACAN ALMACEN			
TRAMOS TARMOCONTRACTIL DE 1-1/2" PARA REPARAR CABLES				10	PZ	SEACAN ALMACEN			
TRAMOS TERMOS TARMOCONTRACTIL DE 3/8" PARA REPARAR CABLES				10	PZ	SEACAN ALMACEN			
LAMPARA COMPLETA MARCA SNILSO	MOD 6200H			1	PZ	SEACAN ALMACEN			
100 MTS DE CABLE DESNUDO	2/0			1	PZ	SEACAN ALMACEN			
CONECTORES DE PALNO PARTIDO MCA BURDY KS -31	DE BRONCE 350MCM			9	PZ	SEACAN ALMACEN			
100 UNIDADES CINCHOS	ARGOS S180X36			100	PZ	SEACAN ALMACEN			
TERMINAL ZAPATA PARA TIERRA DE MOTORES # 4				100	PZ	SEACAN ALMACEN			
ZAPATAS PARA CABLE DESNUDO CALIBRE 40 BURDY AWG 2/0	PONCHABLE			98	PZ	SEACAN ALMACEN			
BALERO	NUP2212EHT			1	PZ	SEACAN ALMACEN			
SELENOID	AS230-4073			1	PZ	SEACAN ALMACEN			

	NUMERO DE PARTE	MINIMOS	MAXIMOS	QTY FISICA	U/M	LOCACION	UBICACION	MAQUINAS	COMENTARIOS
RING GASKET	R-24			16	PZ	SEACAN ALMACEN			
RING GASKET	R-37			9	PZ	SEACAN ALMACEN			
RING GASKET	R-39			14	PZ	SEACAN ALMACEN			
RING GASKET	R-45			10	PZ	SEACAN ALMACEN			
RING GASKET	R-54			5	PZ	SEACAN ALMACEN			
RING GASKET	R-57			3	PZ	SEACAN ALMACEN			
RING GASKET	R-35			2	PZ	SEACAN ALMACEN			
INDICADOR DE PRESION DE 0-5000	MODELO 7 S/R 43436			4	PZ	SEACAN ALMACEN			
INDICADOR DE PRESION DE 0-5000 TIPO D	S/R 21307			1	PZ	SEACAN ALMACEN			
CAMARA DE PULSACION DE BOMBAS DE LODO PD55PPD-55	111652722			3	PZ	SEACAN ALMACEN			
FILTROS	273-5711			16	PZ	SEACAN ALMACEN			
FILTROS	1R-0726			3	PZ	SEACAN ALMACEN			
FILTROS	189-0202			6	PZ	SEACAN ALMACEN			
FILTROS	326-1641			5	PZ	SEACAN ALMACEN			
FILTROS	326-1643			5	PZ	SEACAN ALMACEN			
FILTROS	BT-389-10			12	PZ	SEACAN ALMACEN			
FILTROS	P165569			8	PZ	SEACAN ALMACEN			
FILTROS	P822768			4	PZ	SEACAN ALMACEN			
FILTROS	269-8325			6	PZ	SEACAN ALMACEN			
FILTROS	P550251			31	PZ	SEACAN ALMACEN			
FILTROS	P551670			10	PZ	SEACAN ALMACEN			
FILTROS	126-1818			9	PZ	SEACAN ALMACEN			
FILTROS	299-8229			1	PZ	SEACAN ALMACEN			
FILTROS	IG-8878			7	PZ	SEACAN ALMACEN			
FILTROS	P/N70000-43081			2	PZ	SEACAN ALMACEN			
FILTROS	P170612			5	PZ	SEACAN ALMACEN			
FILTROS	P164384			18	PZ	SEACAN ALMACEN			
FILTROS	BT287-10			6	PZ	SEACAN ALMACEN			
FILTROS	P565149			13	PZ	SEACAN ALMACEN			
FILTROS	P550299			10	PZ	SEACAN ALMACEN			
FILTROS	P163324			2	PZ	SEACAN ALMACEN			
FILTROS	P550387			3	PZ	SEACAN ALMACEN			
FILTROS	BT8368			5	PZ	SEACAN ALMACEN			
FILTROS	P17612			7	PZ	SEACAN ALMACEN			

	NUMERO DE PARTE	MINIMOS	MAXIMOS	QTY FISICA	U/M	LOCACION	UBICACION	MAQUINAS	COMENTARIOS
FILTROS	P822769			2	PZ	SEACAN ALMACEN			
FILTROS	P164174-016-140			3	PZ	SEACAN ALMACEN			
FILTROS	P528220			2	PZ	SEACAN ALMACEN			
FILTROS	P550276			18	PZ	SEACAN ALMACEN			
FILTROS	9M-2342			4	PZ	SEACAN ALMACEN			
FILTROS	61760			4	PZ	SEACAN ALMACEN			
FILTROS	256-7902			6	PZ	SEACAN ALMACEN			
FILTROS	61-2510			2	PZ	SEACAN ALMACEN			
FILTROS	08000-019			2	PZ	SEACAN ALMACEN			
FILTROS	61-2509			3	PZ	SEACAN ALMACEN			
FILTROS	106-3969			2	PZ	SEACAN ALMACEN			
FILTROS	106-3973			2	PZ	SEACAN ALMACEN			
FILTROS	256-7903			7	PZ	SEACAN ALMACEN			
FILTROS	8N-6309			4	PZ	SEACAN ALMACEN			
FILTROS	151-7737			2	PZ	SEACAN ALMACEN			
FILTROS	8N-2555			1	PZ	SEACAN ALMACEN			
FILTROS	P822768			6	PZ	SEACAN ALMACEN			
FILTROS	P822769			6	PZ	SEACAN ALMACEN			
FILTROS	IG-659-11222			2	PZ	SEACAN ALMACEN			
FILTROS	P565149			2	PZ	SEACAN ALMACEN			
FILTROS	P550252			6	PZ	SEACAN ALMACEN			
FILTROS	16271-32090			2	PZ	SEACAN ALMACEN			
FILTROS	P550127			3	PZ	SEACAN ALMACEN			
FILTROS	P552849			3	PZ	SEACAN ALMACEN			
FILTROS	P822686			4	PZ	SEACAN ALMACEN			
SELLOS HULE PARA LINEAS DE ALTA	ABCO DE 4"			6	PZ	SEACAN ALMACEN			
SELLOS HULE PARA LINEAS DE ALTA	ABCO DE 3"			6	PZ	SEACAN ALMACEN			
SELLOS HULE PARA LINEAS DE ALTA	ABCO DE 2"			30	PZ	SEACAN ALMACEN			
BELT O BANDAS CAT	IV-BELT 4N-8216			8	PZ	SEACAN ALMACEN			
BELT O BANDAS	4N8216			1	PZ	SEACAN ALMACEN			
BELT O BANDAS	CAT-6N-7135DF			1	PZ	SEACAN ALMACEN			
BELT O BANDAS	CAT-7W-5092 DF			5	PZ	SEACAN ALMACEN			
BELT O BANDAS	CAT-7E-7645DF			9	PZ	SEACAN ALMACEN			
BELT O BANDAS	CAT6N-6657			4	PZ	SEACAN ALMACEN			

	NUMERO DE PARTE	MINIMOS	MAXIMOS	QTY FISICA	UIM	LOCACION	UBICACION	MAQUINAS	COMENTARIOS
BELT O BANDAS	CAT-BELT-8K 288-4641			3	PZ	SEACAN ALMACEN			
CARDA DE ALAMBRE PARA ESMERIL	6 X 13/16 (52X20.6MM)			2	PZ	SEACAN ALMACEN			
DISCO PARA CORTE 14" X 7/64X 1"	A24RDW8001			1	PZ	SEACAN ALMACEN			
KIT COMPLETO DEL TOP DRIVE DE SELLOS DE AMORTIGUADOR	DO CAT BF 212-8187			2	PZ	SEACAN ALMACEN			
BELT O BANDAS	CAT BELT-8K141-7116			2	PZ	SEACAN ALMACEN			
BELT O BANDAS	CAT-V-BELT 4N-8216			1	PZ	SEACAN ALMACEN			
BELT O BANDAS	CAT-IV-BELT 7E-7645			2	PZ	SEACAN ALMACEN			
BELT O BANDAS	GATE HI-POWER II B45			2	PZ	SEACAN ALMACEN			
BELT O BANDAS	GATE HI-POWER II C-144			3	PZ	SEACAN ALMACEN			
BELT O BANDAS	GATE HI-POWER II C72			1	PZ	SEACAN ALMACEN			
INJECTOR 253-0618 (USADO)	GP-D03M11Y11P478			10	PZ	SEACAN ALMACEN			
VIKING PUMP S/R U907982	313-7770			1	PZ	SEACAN ALMACEN			
CLUCH DEL TOP DRIVE				1	PZ	SEACAN ALMACEN			
BRAND HYDRAHULICS FC55 DE 1-3/4	S/R 240030			1	PZ	SEACAN ALMACEN			
TUBOS DE GRASA DE PRECISION EXTREMA	EPNNLGI2			6	PZ	TRAILER			
SEAL GASKET 6"				12	PZ	TRAILER			
OFFSET LINK	C-717203-P			1	PZ	TRAILER			
GAUGE 6.000 PSI	4033-3100			2	PZ	TRAILER			
GAUGE 5000 PSI MO- GA58-05	1205169			0	PZ	TRAILER		01 IN BASE POZA R	
HI-KAL SEALS	HK-4186-HDS-KIT			1	PZ	TRAILER			
GAUGE MODEL 255/63/70 RANGO 0-70KG/CM2 CARATULA-63MM	511122964			3	PZ	TRAILER			
GAUGE MODEL 251/63/71 RANGO 0-21 KG/CM2 CARATULA-63MM	4112994			5	PZ	TRAILER			
GAUGE MODEL 251/61/4 RANGO 0-4KG/CM2 CARATULA 63MM				3	PZ	TRAILER			
GAUGE 255/63/210 RANGO 0-210 KG/CM2 CARATULA 63MM	810117470				PZ	TRAILER			
GAUGE 1/2 IN 60 PSI 1/4 IN CBM LF U CLAMP				2	PZ	TRAILER			
2.5" STD-C 1/4 NPT 0/60 PSI	J5446			5	PZ	TRAILER			
BANDA GOODYEAR	8VF315D			1	PZ	SEACAN ALMACEN			
CLUTH AIRFLEX	142267KY			1	PZ	SEACAN ALMACEN			
CLUTH AIRFLEX	142673HN			1	PZ	SEACAN ALMACEN			
HYD PISTON	6W23380			1	PZ	SEACAN ALMACEN			
4" OTECO VALVE	95959			1	PZ	SEACAN ALMACEN			
ANNULAR 11"	SW1166			1	PZ	SEACAN ALMACEN			
ELVATOR	E29540			1	PZ	SEACAN ALMACEN			

	NUMERO DE PARTE	MINIMOS	MAXIMOS	QTY FISICA	U/M	LOCACION	UBICACION	MAQUINAS	COMENTARIOS
RESORTE PARA VALVULAS DE BOMBAS DE LODO HHF-1000				15	PZ	CUARTO DE PARTES			
TUERCA UNION DE GOLPE SOLDABLE 4"				1	PZ	CUARTO DE PARTES			
TUERCA UNION DE GOLPE SOLDABLE 3"				3	PZ	CUARTO DE PARTES			
TUERCA UNION DE GOLPE ROSCABLE DE 6"				6	PZ	CUARTO DE PARTES			
TUERCA UNION DE GOLPE ROSCABLE DE 3"				1	PZ	CUARTO DE PARTES			
TUERCA UNION DE GOLPE ROSCABLE 2" 10000PSI				3	PZ	CUARTO DE PARTES			
TUERCA UNION DE GOLPE ROSCABLE DE 2" 2000PSI				4	PZ	CUARTO DE PARTES			
SECCION PARA CUNAS DE HERRAMIENTA S.5				3	PZ	CUARTO DE PARTES			
AGARRADERAS PARA CUÑAS				3	PZ	CUARTO DE PARTES			
PONY ROD NATIONAL	803423			1	PZ	CUARTO DE PARTES			
PISTON ROD	4551702			4	PZ	CUARTO DE PARTES			
LINER 5 USADOS				2	PZ	CUARTO DE PARTES			
LINERS 5.5 USADOS				0	PZ	CUARTO DE PARTES			2 SEND TO 737
VALVULAS FULL OPEN	9700285			8	PZ	CUARTO DE PARTES			
PISTON 5	30155GR			5	PZ	CUARTO DE PARTES			
SEATS	9702547			8	PZ	CUARTO DE PARTES			
VALVULAS DE MARIPOSA DE 10"	22606			3	PZ	CUARTO DE PARTES			
VALVULAS MARIPOSA DE 8"	22125			8	PZ	CUARTO DE PARTES			
VALVULAS MARIPOSA DE 6"	J022124-5114311			1	PZ	CUARTO DE PARTES			
VALVULAS MARIPOSA DE 4"	J022122-1214311			2	PZ	CUARTO DE PARTES			
VALVULA MARIPOSA DE 12"	J022127-1214311			2	PZ	CUARTO DE PARTES			
ABRAZADERAS DE PISTON ROD				2	PZ	CUARTO DE PARTES			
PERROS DE 6800KG DE 3/8 A 1/2				3	PZ	CUARTO DE PARTES			
AIRBAG HOUSING 10"				5	PZ	CUARTO DE PARTES			
T DE ALTA 3M 2"				11	PZ	CUARTO DE PARTES			
T DE ALTA 3M 1.5"				4	PZ	CUARTO DE PARTES			
T DE ALTA 3M 1 1/4"				3	PZ	CUARTO DE PARTES			
T DE ALTA 3M 1/2"				3	PZ	CUARTO DE PARTES			
T DE ALTA DE 3/8"				9	PZ	CUARTO DE PARTES			
T DE ALTA DE 1/4 3M				6	PZ	CUARTO DE PARTES			
T DE ALTA DE 1/8 3M				3	PZ	CUARTO DE PARTES			
T DE ALTA DE 1 1/2 2M				3	PZ	CUARTO DE PARTES			
T DE ALTA DE 1 1/4 2M				1	PZ	CUARTO DE PARTES			
TUERCA UNION DE 2"				4	PZ	CUARTO DE PARTES			

	NUMERO DE PARTE	MINIMOS	MAXIMOS	QTY FISICA	U/M	LOCACION	UBICACION	MAQUINAS	COMENTARIOS
TUERCA UNION ALTA 3M 1 1/2				2	PZ	CUARTO DE PARTES			
TUERCA UNION ALTA 3M 1 1/4				4	PZ	CUARTO DE PARTES			
TUERCA UNION ALTA 3M 3/4				3	PZ	CUARTO DE PARTES			
TUERCA UNION GALVANIZADA 3/4				1	PZ	CUARTO DE PARTES			
TUERCA UNION ALTA PSI 3M 1/2				1	PZ	CUARTO DE PARTES			
TUERCA UNION ALTA PSI 3M 3/8				4	PZ	CUARTO DE PARTES			
TUERCA UNION ALTA PSI 3M 1/4				2	PZ	CUARTO DE PARTES			
TUERCA UNION ALTA PSI 3M 1/8				2	PZ	CUARTO DE PARTES			
COPEL DE ALTA PSI 3M 3/4				5	PZ	CUARTO DE PARTES			
CODO GARVANIZADO DE 4"				1	PZ	CUARTO DE PARTES			
CODO 1/2 PSI 2M 90GRADOS 4"				2	PZ	CUARTO DE PARTES			
CODO ALTA PSI 3M 45 GRADOS 4"				1	PZ	CUARTO DE PARTES			
CODO MEDIA PC 2M 45 GRADOS 3"				2	PZ	CUARTO DE PARTES			
CODO MEDIA PSI 2M 40GRADOS 3"				1	PZ	CUARTO DE PARTES			
VALVULA DE ESFERA 3"				6	PZ	CUARTO DE PARTES			
NIPLE GARVANIZADO 3" X 4"				3	PZ	CUARTO DE PARTES			
NIPLE GARVANIZADO 3" X 6"				2	PZ	CUARTO DE PARTES			
NIPLE GARVANIZADO DE 1 1/2 X 6"				9	PZ	CUARTO DE PARTES			
NIPLE BOTELLA DE 2" A 1/2"				4	PZ	CUARTO DE PARTES			
NIPLE BOTELLA DE 1" A 1/4 A 1/2				3	PZ	CUARTO DE PARTES			
NIPLE BOTELLA DE 1/4 A 3/4				2	PZ	CUARTO DE PARTES			
NIPLE BOTELLA 1 1/2 A 1/2				4	PZ	CUARTO DE PARTES			
NIPLE BOTELLA 1 1/2 A 3/4				1	PZ	CUARTO DE PARTES			
POLEAS 8 TONS				4	PZ	CUARTO DE PARTES			
CODO 90GRADOS ALTA PSI 3M 2"				4	PZ	CUARTO DE PARTES			
CODO 45GRADOS ALTA PSI 3M 1 1/2"				4	PZ	CUARTO DE PARTES			
CODO 45 GRADOS ALTA PSI 3M 1 1/4"				4	PZ	CUARTO DE PARTES			
CODO 45 GRADOS ALTA PSI 3M 1"				1	PZ	CUARTO DE PARTES			
CODO 90 GRADOS ALTA PSI 3M 1"				1	PZ	CUARTO DE PARTES			
CODO 90 GRADOS ALTA PSI 3M 3/4"				1	PZ	CUARTO DE PARTES			
CODO 45 GRADOS ALTA PSI 3M 3/4"				3	PZ	CUARTO DE PARTES			
CODO 45 GRADOS ALTA PSI 3M 1/2"				3	PZ	CUARTO DE PARTES			
CODO 45 GRADOS ALTA PSI 3M 3/8"				3	PZ	CUARTO DE PARTES			
CODO 45 GRADOS ALTA PSI 3M 1/4"				2	PZ	CUARTO DE PARTES			

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Rig 835

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RIG 835 STANDARD LAND RIG EQUIPMENT LIST

Land Rig Summary	
General	
Rig Name/Number :	Calmena 835
Rig Type or Model:	MD Cowan - Super Single - MD525 (M)
Rig Owner :	Calmena Energy Services
Year Built/Re-built:	2008
Constructed by:	MD Cowan
Current Location:	Almira Mexico
Current Status:	Rig to Spud September 15th 2015
Number of Loads:	
- Rig	23
- Camp	2
Fuel Consumption: (gal/day)	800 gal/day approximately
Operating Capabilities	
Nominal vertical depth rating with 4-1/2" drill pipe	12000 FT
Maximum Static Hook Load (lbs)	476,000 LBS w/ (8) Lines
Maximum Setback Load (lbs)	N/A
Maximum Rotary Load (lbs)	N/A
Maximum Top Drive Load (lbs)	476,000 LBS w/ (8) Lines
Storage Facilities	
Fuel - bbls	265 BBLS
Drill Water - bbls	400 BBLS
Potable Water - bbls	N/A
Active Drilling Fluid - bbls	700 BBLS USABLE
Reserve Drilling Fluid - bbls	N/A

Reviewed by: _____

Approved by: _____

RIG 835 LAND RIG EQUIPMENT LIST

General Rig Specifications		
Mast & Substructure		
Mast		
Make/type :	International Derrick Service (IDS)	
Height - ft :	72	
Width of base - (ft x ft) :	8' 1" Wide X 6' Deep	
Static hook load - (lbs) :	500,000 Lbs.	
- with 12 lines	N/A	
API Gross Nominal Capacity - (lbs) :	825,000 Lbs	
Explosion proof lights: y/n	NO	
Ladders with cages: y/n	NO	
Derrick cameras: y/n, locations	NO	
Inertia reel (climbing assistant)	YES	
Serial Number	M-1767	
Substructure		
Make/type :	Internation Derrick Service (IDS)	ID Number. 835-08
Height - (ft) :	14' 8"	
Width - (ft) :	12'	
Static setback capacity - (lbs) :	NA	
Casing load capacity - (lbs) :	500,000 LB	
Setback and rotary simultaneous maximum capacity - (lbs) :	NA	
From bottom of slip table to ground - (ft)	12' 1"	From bottom of slip table to ground
Substructure footprint - (ft x ft) :	48' X 12'	
Rig Floor Winches		
Make :	Braden (DS)	Braden (ODS)
Quantity :	1	1
Type :Model	Gear-matic BG6B-29039-02-1	Gear-matic BG6B-29039-02-1
Serial Nr	865323	865322
Location	DS	ODS
Capacity & S.W.L. - lbs :	8,000	8,000
Wire diameter - inches :	9/16"	9/16"
Automatic brakes :	Yes	Yes
Automatic spooling :	N/A	
BOP Hoist and Trolley		
Make:	MD Cowan	N/A
Type:	Roller Trolley	N/A
BOP storage:	N/A	
Capacity & S.W.L. - lbs :	N/A	
Drawworks and Associated Equipment		
Drawworks		
Make/type :	RG TECH RT-400B	
Model	RT-400B	
Serial Nr.	RT-B-034-2008	
Rated capacity - HP :	540	
Input power continuous - HP :	540	
Drum type :	GROOVED (LEBUS)	
Drum diameter - inches:	20" X 24"	
Groove lebus for line size:	1-1/8"	
Line guide make / type:	N/A	
Spinning cathead make / type :	N/A	
Breakout cathead make / type :	N/A	
Blocks safety device type / model	RT-400 CROWN PROTECTOR	
Additional block safety device (ie. KEMS):	N/A	
Brake type :	DRUM	
Maximum Line Pull 10 lines - lbs :	500,000 LBS	
Maximum Line Pull 8 lines - lbs :	476,336 LBS	
Drilling Line Spool	3500' X 1-1/8"	
Make	Union	
Make	1-1/8" 6X19S-IWRC XIP U RR RTY RP181412	
Model	Right Regular	
Serial Nr.	428-119422-1	Certificate Number 119422
Drawworks power		
Number of Diesel Engines	One Cat Diesel Engine	
Engine make :	Caterpillar	
Engine model :	C-15	
Serial Nr.	JRE05658	Arg Number - 254-3835
Maximum input power continuous - HP :	540 HP	ECM Software - 294-7320

Reviewed by: _____

Approved by: _____

RIG 835 LAND RIG EQUIPMENT LIST

General Rig Specifications		
Drawworks Transmission		
Make/type :	Allison 6 Speed	
Number of speeds	4 Speed - 5th gear locked out.	P/N - 29537448208G1
Model	S6610H	
Hydraulic Lube Motor		
Make	Marathon	
Model	FH405TTG54046AN	Frame Number - 145TC / Horse Power - 2 Hp
Serial Nr.	JRE05658	Right Angle Drive - S/N -
Hydraulic Pump		
Make	Hartman	
Model	PVX9144/3-CSXXX-21FL-PCXXX	
Serial Nr.	JXA13700	
Control Valve		
Make	Bennet Controls	
Model	Part# F-SBG-14V	
Serial Nr.	74980	
Auxiliary brake		
Make/Type :	EATON AIRFLEX	
Model :	WCB 424 WCB	
Cooling Water System:		
- type	Disc Type	
-size	424,000 LB	
Independent Battery Back-Up: y/n	N/A	
Automatic Drilling System		
Make:	Red Satellite Services	N/A
Type:	Satellite Automatic Drilling Systems	N/A
Hoisting Equipment		
Crown block		
Make/type :	International Derrick Service	
Model		
Serial Nr	1739	
Rated capacity - lbs :	500,000 SHL	
No. of sheaves :	5 Total / 4 verticle - 1 horizontal	
- diameter - inches	7X 30" and 1X 24"	
- groove size(s)- inches	1-1/8"	
Crown block safety device:		
- make	Rig - Tech	
- type	RT-400 CROWN PROTECTOR	
- bumper at crown-block with safety slings	WOOD WITH CAGE	
Travelling block		
Make/type :	COWAN INTEGRATED 4-SHEAVE	
Model	SPLIT BLOCK	
Serial Nr.	None	
Rated capacity - lbs :	500,000 Lbs	
No. of sheaves :	4	
Diameter of sheaves:	30"	
Groove size(s):	1-1/8"	
Date of last magnaflux survey:	10/1	
Drilling line		
Size - inches :	1-1/8"	
Make/Type:	Union	1-1/8" 6X19S-IWRC XIP U RR RTY RP181412
Length - ft :	3500 FT	
Spare reel: y/n	Yes	
Dead line Anchor		
Make/type :	HERCULES	
Model	HA -118T	P/N MT8-19-08
Serial Nr.	1416	
Load rating - lbs :	450,000	
Weight sensor make / type :	Martin Decker / Drill Line Indicator	
Serial Nr.	1385 Model 40	320,000 LBS with 8 Lines?
Date of last magnaflux survey:		
Slip table		
Make/type :	CAVINS TF-100-S	400,000Lbs
Model	F-Spider	
Serial Nr.	578	Inspected October 27th, 2010

Reviewed by: _____

Approved by: _____

[illegible]

Approved by: _____

RIG 835 LAND RIG EQUIPMENT LIST

Power Supply Systems		
Prime Movers		
Quantity :	2	
Make :	Caterpillar	
Model	C-15	
Serial Number No. 1 Engine	P1Z00142	Arrangement Number - 296 - 2943
Serial Number No. 2 Engine	P1Z00148	Arrangement Number - 296 - 2943
Continuous output power available HP each engine :	711	
Equipped with spark arrestors: y/n	NO	
Mufflers installed: y/n	YES	
Water injectors on engine exhausts: y/n	NO	
Radiators	CATARPILLAR	PETROLITE
Model PETRO LITE 323 - 9136	SS2969714	SS2969723
Generator		
Quantity :	2	
Make :	CATERPILLAR / 455KW	
Type :/Model	SR4	SR4
Serial Number No. 1 Generator	7ZL01579	Arrangement Number - 308 - 7716
Serial Number No. 2 Generator	7ZL01584	Arrangement Number - 308 - 7716
KV	500	
RPM	1800	
Volts	480	
Continuous output power available HP each generator :	540	
Output ratings:		
- kVa	568	
- kW	455	
- Volts	480	
- Power Factor (PF)	Continuous / Standby	
Cycles:	60 hz	
AC Transformer system		
Quantity :	1	CLASS AA STLYE 34349-17212-132
Make :	SQUARE D	ENCLOSURE TYPE 2
Type :	STEP DOWN TYPE 2	SECO CLASE AA
Output ratings:		
- kVa:	75 KVA	
- Volts: 480	480	
Input ratings:		
- kVa:	75 KVA	
- Volts:	120 / 208	
Frequency (Hz) :	60	

Reviewed by: _____

Approved by: _____

RIG 835 LAND RIG EQUIPMENT LIST

Power Supply Systems		
Emergency Shutdown	Air Pressure Shutdown	
Emergency shutdown switches for the complete power system located at the following locations:	1 on Rig Floor (Drillers Consol)	
Air Compressors - Low Pressure (rig air):		
Quantity	2 Each	
Make	Sullivan Palatek	
Model	25D4J - TE	
Serial Number - No. 1	08K095	
Serial Number - No.2	08K098	
Rated capacity	110 CFM	
Working pressure - psi	125 PSI	
Recievers	Manchester	
HP	25 HP	25 HP
Prime mover (electric/diesel)	ELECTRIC	ELECTRIC
Make	Lincoln	Lincoln
Model	FVFJAF4925TSCTS	FVFJAF4925TSCTS
Serial Nr's	08747-425	
RPM	1775	1775
Volts	230/460	230/460
Compressors		
Make	Sullivan-Palatek H	
Model	25-D	(CAT #S) CAT BA-922 S/ 304-2693
Serial Nr		compressor mounted to motor
RPM		Motor rpm 1775
Air Receivers		
Quantity	5	
Make	Manchester	
Model	302473	
Serial Nr		
Relief Valves	Air Opererated Pop Off Valves	
Model	INGERSOLL RAND	
Serial Nr's	9mh18065	
Rated capacity	4X 60 Gal, 2X 120 Gal	
Working pressure - psi	120	
Dimensions	52" X 20"	
Accessories	Pressure Relief	
Emergency Power	Transformer	
Hydraulic Engine Driven Unit		
Engine	Caterpillar	
Model	C-18 630 HP	
Serial Nr.	WJH05322	ARRANGEMENT # 237-1955
Pump:	#1	#2
Make	SAUER danfoss	SAUER
Model	83D24228	80000308
SERIAL	N132401585	N132800783

Reviewed by: _____

Approved by: _____

RIG 835 LAND RIG EQUIPMENT LIST

Drill String / Handling Tools		
Drill Pipe		
OD/ID body (inches)	OD 4"- ID 3.095"	
Quantity jts.:	242	
Estimated total length - ft	10870FT	
Grade:	G-105	
Weight - lbs/ft :	15.7	
Range:	3	
Type of connection	4" FH	
API Class:		
Tool joint OD (inches)	5.25"	
Tool joint ID (inches)	2-1/4"	
Type of hard banding	TCS TI	
Internal Plastic Coated:	YES	
Pin and Box Protectors:	YES	
Drill Pipe Pup Joints		
OD/ID body (inches)	OD 4" x ID 3.095"	
Quantity jts.:	1	
Estimated total length - ft	5	
Grade:	G-105	
Weight - lbs/ft :	15.7	
Range:		
Type of connection	4" FH	
API Class:		
Tool joint OD (inches)	5-1/4"	
Tool joint ID (inches)	2-1/4"	
Type of hard banding		
Internal Plastic Coated:	YES	
Pin and Box Protectors:	YES	
OD/ID body (inches)	OD 4" x ID 3.095"	
Quantity jts.:	1	no esta en sitio
Estimated total length - ft	10	
Grade:	G-105	
Weight - lbs/ft :	15.7	
Range:		
Type of connection	4" FH	
API Class:		
Tool joint OD (inches)	5-1/4"	
Tool joint ID (inches)	2-1/4"	
Type of hard banding		
Internal Plastic Coated:	YES	
Pin and Box Protectors:	YES	

Reviewed by: _____

Approved by: _____

RIG 835 LAND RIG EQUIPMENT LIST

Drill String / Handling Tools		
OD/ID body (inches)	OD 4" x ID 3.095"	
Quantity jts.:	1	
Estimated total length - ft	15	
Grade:	G-105	
Weight - lbs/ft :	15.7	
Range:		
Type of connection	4" FH	
API Class:		
Tool joint OD (inches)	5-1/4"	
Tool joint ID (inches)	2-1/4"	
Type of hard banding		
Internal Plastic Coated:	YES	
Pin and Box Protectors:	YES	
Hevi-Wate Drill Pipe		
OD/ID body (inches)	OD 4" - ID 2-9/16"	
Quantity jts.:	18	24 jts slick (06 belong 737) and 15 spiral for spare Total: 39jts
Estimated total length - ft	558	1207ft
Grade:		
Weight - lbs/ft :	27.2 lbs/ft	
Range:	2	
Type of connection	4" FH	
API Class:		
Tool joint OD (inches)	5-1/4"	
Tool joint ID (inches)	2-9/16"	
Type of hard banding		
Internal Plastic Coated:	Yes	
Pin and Box Protectors:	Yes	
Drill Collars		
1) Quantity :	3	en sitio hay 2
OD/ID body (inch)	8" X 2 7/8"	
Type of connection:	6 5/8 reg	
Weight (lbs/ft):	149.7	
API Class:		
Range:	2	
Slick or Spiral:	Spiral	
Slip and/or elevator access:	YES	
Stress relief:	NO	
Pin and box protectors:	YES	
Boreback on box:	YES	
Date of Purchase:	Apr-09	
Manufacturer:		
Last Inspection:	05-May-10	

Reviewed by: _____

Approved by: _____

RIG 835 LAND RIG EQUIPMENT LIST

Drill String / Handling Tools		
2) Size OD/ID body (inch)	6 1/2" x 2 1/2"	
Quantity :	10	
Type of connection:	4 IF NC 46	
Weight (lbs/ft):	91.7	
Range:	2	
Slick or Spiral:	SPIRAL	
Slip and/or elevator access:	YES	
Stress relief:	NO	
Pin and box protectors:	YES	
Boreback on box:	YES	
Date of Purchase:	Apr-09	
Manufacturer:		
Last Inspection:	05-May-10	
3) Size OD/ID body (inch)	4 3/4" x 2 1/2"	
Quantity :	13	
Type of connection:	3 1/2 IF	
Weight (lbs/ft):	46.8	
Range:	2	
Slick or Spiral:	SPIRAL	
Slip and/or elevator access:	NO	
Stress relief:	NO	
Pin and box protectors:	YES	
Boreback on box:	YES	
Date of Purchase:	Apr-09	
Manufacturer:		
Last Inspection:	05-May-10	
Upper Kelly Cock		
Make/Type:	Hi-Kal Hydraulic Operated UWCV	
Quantity:	1	
Size OD/ID body: inch		
Working pressure / test pressure:	5000 PSI	
Connections upper/lower:	4-1/2" IF X 4-1/2" IF	
Lower Kelly Cock		
Make/Type:	M&M	
Quantity:	2	
Size OD/ID body: inch		
Working pressure / test pressure:	5000 PSI	
Connections upper/lower:	4-1/2" IF X 4-1/2" IF	
Available Cross Over Subs for DC:	Yes	
Bit Subs		
Quantity:	1	
Length, OD, ID:	.92m, 4-25/32", 2-1/8"	
Bored for float valve:	Yes	
Thread Types	3-1/2" IF X 3-1/2" Regular	
Quantity:	2	
Length, OD, ID:	.92m, 6-9/16", 3"	
Bored for float valve:	Yes	
Thread Types	4" IF X 4-1/2" Regular	
Quantity:	2	nada mas hay 1
Length, OD, ID:	.91, 7-25/32", 3-1/32"	
Bored for float valve:	Yes	
Thread Types	6-5/8" Regular X 6-5/8" Regular	

Reviewed by: _____

Approved by: _____

RIG 835 LAND RIG EQUIPMENT LIST

Drill String / Handling Tools		
Cross-Over		
Quantity:	1	
Length, OD, ID:	.47m, 6", 3"	
Connection:	4" IF X 3-1/2" IF	Pin - Box
Date of last inspection:	22-Jan	
Quantity:	1	
Length, OD, ID:	.32m, 6-15/32", 2-13/16"	
Connection:	4" IF X 4" FH	Pin - Box
Date of last inspection:	22-Jan	
Quantity:	1	
Length, OD, ID:	.24m, 6-23/32", 2-1/4"	
Connection:	4-1/2" IF X 4" IF	Pin - Box
Date of last inspection:	22-Jan	
Quantity:	1	
Length, OD, ID:	.5, 8", 3"	
Connection:	6-5/8" Regular X 4" FH	Pin - Box
Date of last inspection:	22-Jan	
Quantity:	1	
Length, OD, ID:	.5m, 6-1/32", 3"	
Connection:	4" IF X 3-1/2" IF	Pin - Box
Date of last inspection:	22-Jan	
Quantity:	1	
Length, OD, ID:	.61m, 8-1/32", 3-1/16"	
Connection:	6-5/8" Regular X 7-5/8" Regular	Pin - Box
Date of last inspection:	22-Jan	
Quantity:	1	
Length, OD, ID:	.5m, 8", 3"	
Connection:	6-5/8" Regular X 4" IF	Pin - Box
Date of last inspection:	22-Jan	
Quantity:	1	
Length, OD, ID:	.5m, 8", 3"	
Connection:	6-5/8" Regular X 4" FH	Pin - Box
Date of last inspection:	22-Jan	
Quantity:	1	
Length, OD, ID:	.43m, 7-31/32", 2-27/32"	
Connection:	6-5/8" Regular X 4-1/2" IF	Pin - Box
Date of last inspection:	22-Jan	
Quantity:	1	
Length, OD, ID:	.34m, 6-1/2", 2-3/4"	
Connection:	4" FH X 4-1/2" IF	Pin - Box
Date of last inspection:	22-Jan	
Quantity:	1	
Length, OD, ID:	.4m, 6-1/2", 2-1/4"	
Connection:	4" FH X 4-1/2" IF	Pin - Box
Date of last inspection:	22-Jan	
Quantity:	1	
Length, OD, ID:	.47, 5-13/16", 2-11/16"	
Connection:	3-1/2" IF X 4" FH	Pin - Box
Date of last inspection:	22-Jan	
Quantity:	1	
Length, OD, ID:	.5m, 6-1/32", 3"	
Connection:	4" IF X 3-1/2" IF	Pin - Box
Date of last inspection:	22-Jan	
Quantity:	1	
Length, OD, ID:	.45m, 8", 3"	
Connection:	6-5/8" Reg X 4" IF	Pin - Box

Reviewed by: _____

Approved by: _____

RIG 835 LAND RIG EQUIPMENT LIST

Drill String / Handling Tools		
Date of last inspection:	22-Jan	
Quantity:	1	
Length, OD, ID:	.45, 6", 3"	
Connection:	4" IF X 4" FH	Pin - Box
Date of last inspection:	22-Jan	
Quantity:	1	
Length, OD, ID:	.6m, 5-5/32", 2-1/4"	
Connection:	4" FH X 4-1/2" IF	Pin - Box
Date of last inspection:	22-Jan	
Quantity:	01-Jan	
Length, OD, ID:	.63m, 6-9/16", 2-1/4"	
Connection:	4-1/2" IF X 4" FH	Box - Pin
Date of last inspection:	22-Jan	
Quantity:	01-Jan	
Length, OD, ID:	.62m, 6-19/32", 2-1/4"	
Connection:	4-1/2" IF X 4" FH	Pin - Pin
Date of last inspection:	22-Jan	
Circulating Nubbins		
Make/Type:		
Quantity:	1	
Bottom Connection:	4" FH	
Top Connection:	3" 1502 Hammer Union	
Casing Circulation Subs		
Quantity	1	
Make/Type	BTC	
OD body	9-5/8"	
Connection type	4-1/2" IF	
Quantity	1	
Make/Type	VAM	
OD body	5-1/2"	

Reviewed by: _____

Approved by: _____

RIG 835 LAND RIG EQUIPMENT LIST

Drill String / Handling Tools		
Connection type	4-1/2" IF	
Quantity	1	
Make/Type	BTC	
OD body	7"	
Connection type	4-1/2" IF	
Quantity	1	
Make/Type	BTC	
OD body	7-3/8"	
Connection type	4-1/2" IF	
Quantity	1	
Make/Type	BTC	
OD body	7"	
Connection type	4-1/2" IF	
Quantity	1	
Make/Type	BTC	
OD body	7-5/8"	
Connection type	4-1/2" IF	
Quantity	1	
Make/Type	VAM	
OD body	5-1/2"	
Connection type	4-1/2" IF	
Quantity	1	
Make/Type	BTC	
OD body	10-3/4"	
Connection type	4-1/2" IF	
Quantity	1	
Make/Type	BTC	
OD body	13-3/8"	
Connection type	4-1/2" IF	
Quantity	1	
Make/Type	BTC	
OD body	13-3/8"	
Connection type	4-1/2" IF	
Cushion Sub		
Quantity	1	
Make/Type	Foremost	
Length, OD, ID:	.71m, 6-19/32", 2-25/32"	
Connection type	4-1/2" IF X 4-1/2" IF	
Handling Tools		
Elevators - Drill Pipe		
Make/Type:		
Capacity:	175 ton	
Size Range:	4 - 4.5	
Quantity:	1	
Date of last magnaflux survey:	E23540-12186875	
Make/Type:		
Capacity:		
Size Range:		
Quantity:		
Date of last magnaflux survey:		
Manual Slips - Drill Pipe / Drill Collars		
Make/Type:	Varco	
Capacity:	4" to 8"	
Quantity:	1 set 4" - 1set 6" - 1 set 8"	
Date of last magnaflux survey:		

Reviewed by: _____

Approved by: _____

RIG 835 LAND RIG EQUIPMENT LIST

Drill String / Handling Tools		
Power Slips		
Make/Type:	Cavin	
Capacity:	400,000 Lbs	
Size range:	3-1/2" to 8"	
Accessories:	Slip[bowl inserts 3-1/2" to 8"	
Safety Clamps		
Make/Type:	Type C Safety Clamp	
Quantity:	1	
Size range:	4-1/2" X 8-5/8"	8 Segments
Date of last magnaflux survey:	Feb-11	se inspecciono el 29-09-12
Make/Type:	Type C Safety Clamp	
Quantity:	1	
Size range:	5-1/2" X 6-5/8"	9 Segments
Date of last magnaflux survey:	Feb-11	
Make/Type:	Type C Safety Clamp	
Quantity:	1	
Size range:	8-1/2" X 9-5/8"	12 Segments
Date of last magnaflux survey:	Feb-11	
Manual Rotary Tongs (DP, DC, and Casing)		
Make/Type:	Web Wilson	
Quantity:	1 Set	
Jaw assemblies x size range:	3-1/2" to 13-5/8"	
Torque indicator:	Yes	
Date of last magnaflux survey:		
Iron Roughneck		
Make/Type:	Gray EOT Incorporated	
Pipe handling range (inches):	3-1/2" to 8-1/2"	
Model:	Floorhand	
Maximum break-out torque (ft-lbs):	80,000	
Maximum make-up torque (ft-lbs):	65,000	
Automated Pipe Handler (Pipe Arm)		
Make/Type:	MD Cowan	
Pipe handling range (inches):	3-1/2" to 13-3/8"	
Capacity:	4500	
Hydraulic power pack:	HPU	

Reviewed by: _____

Approved by: _____

RIG 835 LAND RIG EQUIPMENT LIST

Well Control Equipment		
BOP Stack		
Low Pressure BOP Equipment		
Annular		SN. 90-11-5-8109 ? As per Calmena no plate was visible
Quantity :	1	
Make :	TOWNSEND	
Type :	TYPE 90	
Size (inch) :	11"	
WP (PSI) :	5000 LB	
Connection top/bottom :	11" X 5000 LB	
Closing system:	Hydraulic	
Fitted with accumulator bottle for stripping :		
H2S Service:	Yes	
Date of last OEM inspection:	As per Calmena , it is under Recertification at this time	
Ram type Preventer		
Quantity :	1	SN. 82-5H1120709-0 As per Calmena , no plate is visible
Make :	TOWNSEND	
Type :	TYPE 82	
Single/double :	DOUBLE	
Size (inch) :	11"	
WP (kPa) :	5000LB	
Side outlets:		
- Quantity:	4	
- Size:	4-1/16"	
- Working pressure:	5000LB	
Connection top/bottom :	11" X 5000LB	
H2S Service:	YES	
Number / size of pipe rams:	1 Set of 4" Pipe Rams	Placed in lower cavity
Number of blind rams:	1 Set of Blind Shear Rams	Placed in upper cavity
Date of last OEM inspection:	As per Calmena , it is under Recertification at this time	
Choke Lines		
Quantity:	1	
Make/Type:	TAURUS	
Diameter (OD/ID):	3"	
Working Pressure:	5000 PSI	
H2S Trimmed:	Yes	
Kill Lines		
Quantity:	1	
Make/Type:	STEEL COVERED	
Diameter (OD/ID):	3-3/8" OD 2" ID	
Working Pressure:	5000	
H2S Trimmed:	Yes	

Reviewed by: _____

Approved by: _____

RIG 835 LAND RIG EQUIPMENT LIST

Well Control Equipment		
Manual Valves		
Quantity:	3	
Make	OIL TOOLS (OFV)	
Model	12844	
Diameter (ID):	3-1/8"	
Working Pressure:	5000	
H2S Trimmed:	Yes	
Hydraulic Valves		
Quantity:	1	
Make/Type:	OIL TOOLS	
Diameter (OD/ID):	3-1/8" ID	
Working Pressure:	5000	
H2S Trimmed:	Yes	
Check Valves		
Quantity:	1	
Make/Type:	G575 OIL TOOLS	
Diameter (OD/ID):	3-1/8" ID	
Working Pressure:	5000	
H2S Trimmed:	YES	
BOP Rams		
Quantity:	1 set	
Size / Type:	5-1/2"	
Working Pressure:	5000	
Quantity:	1 set	
Size / Type:	4"	
Working Pressure:	5000	
Quantity:	1 set	
Size / Type:	Blind Shear	
Working Pressure:	5000	

Reviewed by: _____

Approved by: _____

RIG 835 LAND RIG EQUIPMENT LIST

Well Control Equipment		
BOP Control System		
Accumulator unit		
Make :	TOWNSEND / BURNSCO	
Model :	BISON	
Serial No. :	A07006FC	
Reservoir capacity litre (gal)	160 US Gallons	
No. of stations:	5	
No. of bottles/banks installed	10 BOTTLES	
Total bottle capacity litre (gal)	11 GALLON	
Bottle working pressure (psi)	3000 PSI	
Low (pressure / reservoir level or rig air pressure) audible alarm y/n	N	
Location :		
Triplex pumps		
Quantity :	1	.875 STROKE X 2.25
Make :		11.5 GPM
Model :	BX-10 AD20880204AO11	
Serial Nr.	1.00E+09	
Each driven by motor of HP	20	
Make	WEG	
Model	W21	
Serial Nr	02018XP3E256T	
Volts	480	
HP	20	
Air pumps		
Quantity :	2	
Make :	BEAR	
Model :		
Ratio	60:01:00	
Driller's control panel		
Make :	TOWNSEND / BURNSCO	
Model :		
Low accumulator system pressure audible and visual alarm y/n	N	
Low reservoir level audible and visual alarm y/n	NY	
Low rig air pressure audible and visual alarm y/n	N	
Pressure regulator for bag	YES	
Control for by-pass valve	YES	
Remote control panels		
Make :	TOWNSEND / BURNSCO	
Model :		
Flow Meter counter:		
Location :	DOGHOUSE	

Reviewed by: _____

Approved by: _____

RIG 835 LAND RIG EQUIPMENT LIST

Well Control Equipment		
Choke manifold		SN. 0811801
Make :	SWECO	
Size inch	3" ID	
Working Pressure (psi)	5000LB	
H2S service y/n	Y	
Number of independent choke line inlets:	2	
Quantity of gate valves :	14	
Make/model :	M&M 235, 5300	
Size inch	3"	
Working pressure:	5000	
Quantity of manual adjustable chokes :	1	
Make/type :	NEEDLE CHOKE	
Diameter:	3 1/8	
Working Pressure (psi)	5000	
Quantity of positive chokes :		
Make/type :		
Diameter:		
Working Pressure kPa (psi)		
Quantity of hydraulic chokes :		
Make/type :		
Diameter:		
Working Pressure (psi)		
Power choke remote control panel y/n :		
Make/type :	SWECO	
Location:	RIG FLOOR	
Description:	REMOTE AIR CHOKE	
Possibility to replace by an adjustable choke:	YES	
Pressure gauges		
Annulus: pressure & range		
Stand pipe: pressure & range	0-5000	
Glycol injection pump y/n		
Make/type :		
Buffer Chamber		
Working pressure:		
Date of last OEM inspection of entire system:		
Hydraulic Test Pump	On order	
Make :		
Model :		
Test stumps for BOP testing	NA	
Location :		
Complete with cup type test tools y/n		
Quantity:		
Make / Type:		
Working Pressure:		
Chart Recorder:		
a		
BOP Test Mandrels:		
Flare Lines		
Quantity:	6	
Length:	14 ft	
Size:	4.5" OD	
Flare Ignition System		
Make:	INFLUX	
Type:	ELECTRIC / PROPANE	
Location:	TOP OF FLARE STACK	
No. of igniter panels:	1	
- Make/type:	Electric Allen Bradley	
No. of propane pilots:	1	
- Locations:	TOP OF FLARE STACK	
Diesel drip pan system for ignition system:		
- Description:		

Reviewed by: _____

Approved by: _____

RIG 835 LAND RIG EQUIPMENT LIST

Mud System		
High Pressure Mud System		
Mud pumps (triplex)		
Quantity:	2 asset 835-04 / asset 835-05	
Make :	Hung Hua	(EMSCO F-1000)
Model :	HHF 1000	
Serial Nr.	06-285 / 07-005	
Power rating / pump (HP):	1000	
Mud pump driven by motors: no./type	CAT 3508	
Serial Nr.	LLE00214 / LLE00388	
Continuous power rating of each motor: HP	635KW @ 1200RPM	HIGH IDLE -1300RPM
Rated pump speed: (spm)	MAX 140 SPM	
Bore and stroke:	10"	
Maximum pump pressure: psi	5000PSI	
Maximum pressure at maximum flow rate: (psi)	4-1/2" Liner = 5000 PSI	N/A
	5" Liner = 4300 PSI	
	5-1/2" Liner = 3500 PSI	
	6" Liner = 3000 PSI	
	6-1/4" Liner = 2700 PSI	
	6-1/2" Liner = 2500 PSI	
	6-3/4" Liner = 2400 PSI	
Mud Pumps 1 and 2 Lube Oil Pumps		
Pump Make	Brown & Sharp	
Models		
Motors	N/A	
Make	N/A	
Model	N/A	
Mud Pump 1 and 2		
Supercharging Pumps		
Model :	MCM, MCM	
Serial Nr.	250	
	#1 18754 #2 18757	
Impeller Size	11"	
- Independently driven by motor HP	VWC / 50	PF .892
- Make	FRAME 326T	VOLTS 480 @ 60 HZ
- Model	XVWV 850-18-326T	50HP RPM 1775
	sn 8GOQ2616	762LBS
Liner Wash Pump		
Make	MP PUMPS	MP PUMPS
Model	28347	28347
Motor:	SIEMANS	SIEMANS
Make	MP PUMPS	MP PUMPS
Model	XVWVE50-18-32GT	XVWVE50-18-32GT
	BY-101181	BY-101182
- Pressure relief valves	OTECO 5000 PSI MAX	
- make / type / no. / pressure rating	30550	
Discharge Lines		
Inside Diameter:	Schedual 160	
Working / test pressure:	5000 PSI	
Rotary hoses		
Quantity:	6	
Diameter (ID / OD):	4	
Make:	Midwest	
Type: (fire resistant / stainless steel / heavy armor)	Heavy Armour	
Working and test pressures:	5000 PSI	

Reviewed by: _____

Approved by: _____

RIG 835 LAND RIG EQUIPMENT LIST

Mud System		
Stand Pipe Manifold		
Working / test pressure:	5000 PSI	
Stand Pipe		
- Quantity / ODxID	4/ 5 1/2 x 3 1/8	
- Working / test pressure:	5000	
Valve		
- Make:	O-DRILL (MCM)	
- Type:	4" = OGU 450, 2"= OGU 250	
- Number:	02-Jan	
- Size:	2" & 4"	
- Working / test pressure:	5000LB / 10000LB	
Kill line and connections:	1502	
Connection for cementing unit:		
High Pressure Lines		
Quantity:	8	
Size:	4" & 2"	
Working pressure:	5000 LB	
Kill Line Manifold (between pumps & wellhead)		
Quantity:	1	
Size:	3 3/8	
Working pressure:	5,000	
Casing Fill-up Device		
Description:	HIGH PRESSURE HOSE	
Capacity:		
Bell Nipple		
Quantity:	1	
Size:	11"	
Flow Line		
Quantity:	1	
Size:	12"	
Low Pressure Mud System – Tanks		
Mud tank system		
Active mud tanks		
Quantity :	2	
Total capacity: bbls / m3	752	
Number of compartments:	3 per tank	
Description/Capacity No. 1: bbl	132 SAND TRAP	
Description/Capacity No. 2: bbl	133	
Description/Capacity No. 3: bbl	61	
Description/Capacity No. 4: bbl	45	
Description/Capacity No. 5: bbl	133	
Description/Capacity No. 6: bbl	133	
Description/Capacity No. 7: bbl	112	
Description/Capacity No. 8: bbl		
Mud agitators		
- Quantity :	5	
- Make :	8826/ interamerican oil works	
- Model :	PIT BOSS	
- Driven by motor of HP	10 hp x 1765rpm	frame 215T
Low / high pressure mud guns:	Low Pressure	
Bottom / surface guns: y/n	Yes	
Industrial water line installed:	Yes	
Diesel / fuel line installed:	No	
Water tanks		
Quantity :	1	
Total capacity: bbl	400 BBL	asset 835-10
Dimensions ft	40x8.2x7.1	
Pill tank		
Quantity :	1	asset 835-
Description/Capacity No. 1: bbl	112	
Description/Capacity No. 2: bbl		
Number of compartments:		
Mud agitators		
- Quantity :		
- Make :		
- Model :		
- Driven by motor of HP		
Low / high pressure mud guns:		

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RIG 835 LAND RIG EQUIPMENT LIST

Mud System			
Bottom / surface guns: y/n			
Industrial water line installed:			
Diesel / fuel line installed:			
Dump valves / type:			
Connection to mixing circuit:			
Trip tank			
Total capacity: bbls	45 BBLS.		asset 835-15
Dimensions:			
- Height (ft)	5.3		
- Wide (ft)	7.8		
- Length (ft)	8		
Pump 1			
Make	MCM		
Model	250		
Serial Nr	18707		
Size			
Impeller	11"		11"
Motor:	Electric		Electric
Make	World Wide E. C.		Worldwidw E. C.
Model	XWWE20-18-256T		XWWE20-18-256T
Serial Nr.	8GWQ001616		8GWQ01612
HP	20		20
Mixing pumps			
Quantity :	2		8EOQ3044,8GOQ2621 s/n
Make/Model :	WWE Model 8EOQ3044(MOTOR)		
Driven by motor 1775 RPM X HP 50	2-MCM 250 SERIES (PUMP)		20044.20038
Transfer pumps			
Quantity for mud tanks :	2		
Quantity for water tanks :	2		
Make	MCM		
Model	250		
Serial Nr's	17983		
Size	2X3X13		
Driven by motor type	ELECTRIC		
Make	Worldwide		
Power output HP	20		
Impeller diameter:	13		
Caustic Mixing Unit			
Quantity :	1		
Type :	Manual		
Low Pressure Mud System – Process Equipment			
Shale shaker			
Quantity :			
Nr. 1 Shaker			
Make :	Derrick		
Type /Model:	MA012830		
Driven by No. of electric motors :	2		
Make :	Derrick		
Model	SGX-38-18-230/480-6-001		
Nr 2 Shaker			
Serial Nr.	MA012833		
Electric Motors	2		
Make :	Derrick		
Model	SGX-38-18-230/480-6-001		
Nr. 3 Shaker			
Serial Nr.	N/A		
Electric Motors	N/A		
Make :	N/A		
Model	N/A		
Serial Nr's	N/A		
Motion:	N/A		

Reviewed by: _____

Approved by: _____

RIG 835 LAND RIG EQUIPMENT LIST

Mud System		
Desander		
Make	Derrick	
Model / Part Nr		
Cones:		
- Quantity:	2	
- Type:		
- Diameter:		
Centrifugal Pump	MCM	
Make	250 Series	
Model	17983	
Serial	250 SERIES	
Size	6X6	
Impeller	11"	
Electric Motor		
Make	Worldwide E.C.	
Model	XWEE50-18-326T	
Serial Nr.	860Q2633	
Desilter		
Make	Derrick	
Model	DER10000	
Cones:		
- Quantity:	16 (Capacity for 20)	
- Type:	Derrick	
- Diameter:	2"	part # 10523-00
Centrifugal pump :		
Make	MCM	
Model	250	
Serial Nr.	17983	
Size	6X6	
Impeller Diameter	11"	
Electric Motor	World wide E.C	
Make	XWEE50-18-326T	
Model	17942	
Mud/gas separator (poor boy)		
Make/type :	MD COWAN	
Minimum diameter ID inch	29-1/2"	
Gas discharge line OD inch	6"	
Working pressure:	150PSI	
Vacuum Degasser		
Make :	Burgess Magra VAC	
Type : Model	1000	
Serial Nr.	546	
Maximum capacity:	1000GPM	
Type/size centrifugal pump :		
- Driven by electric motor of rpm x HP	30 hp 3525	
- Impeller diameter:	44	
Driven by electric motor of HP		
Cellar pump		
Quantity :	2	
Make (e.g. Flygt) :	ITT FLYGT	
Type / HP:	7.5 HP	
Capacity bbl/min:	6 BPM	
Inlet pipe:	10	
Out put / discharge pipe:	4"	
Agitators		
Quantity	5	
Make	Pit Boss	
Model	OW1	
Serial Numbers	4106 / 4102 / 4103 / 4104 / 4105	
Agitators Electric Motors		
Quantity	5	
Make	Baldor # 1,2,3,4	#5 Weg
Model		
Serial Numbers	F0812086715,F0812086723	1003282875
	F0812086701,F0812086523	
Mud Hopper		
Quantity		
Make/Model		
Feed pump make/model		
Shearing Hopper		
Quantity	Vortex Venture	Serial # 29-2776
Make/Model	1	
Feed pump make/model	VE-U-6SDS	

Reviewed by:

Approved by: _____

RIG 835 LAND RIG EQUIPMENT LIST		
Mud System		
Capacity		
Quantity		

Reviewed by: _____

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RIG 835 LAND RIG EQUIPMENT LIST

Instrumentation		
Drilling Instrumentation		
Tong Torque Indicator		Drilling recorders to be provided by operator.
Quantity:	1	
Make:	GRAY	
Type:	HYDRAULIC	
Torque range (ft/lbs.):	0-80,000 FT/LBS	
Recorder and reading:		
Range & unit:		
Location:	CONTROL PANEL	
Weight Indicator		
Make/Type:	MARTIN DECKER	
Range & unit:	0-300,000 LBS	
Mud Pump Pressure Gauges		
Quantity:	2	
Make/Type:	OTECO	
Range & unit:	5000 PSI	
Location:	MUD PUMPS	
Pump Stroke Indicator	well wizar de weatherford	
Quantity:	well wizar de weatherford	
Make/Type:	well wizar de weatherford	
Cumulative:	well wizar de weatherford	
Recorder and reading:	well wizar de weatherford	
Location:	well wizar de weatherford	
Rotary Tachometer		
Quantity:	well wizar de weatherford	
Make/Type:	well wizar de weatherford	
Selection top drive / rotary:	well wizar de weatherford	
Recorder and reading:	well wizar de weatherford	
Location:	well wizar de weatherford	
Rotary Torque Indicator		
Quantity:	well wizar de weatherford	
Make/Type:	well wizar de weatherford	
Range & unit:	well wizar de weatherford	
Recorder and reading:	well wizar de weatherford	
Location:	well wizar de weatherford	

Reviewed by: _____

Approved by: _____

RIG 835 LAND RIG EQUIPMENT LIST

Instrumentation		
Trip Tank Indicator		
Make/Type:	well wizar de weatherford	
Recorder and Reading:	well wizar de weatherford	
In/Out:	well wizar de weatherford	
Accuracy:	well wizar de weatherford	
Location:	well wizar de weatherford	
Standpipe Pressure Gauges		
Quantity	1	
Make/Type	OTECO	
Pressure range	0-5000 PSI	
Choke Manifold Pressure Gauge		
Quantity	1	
Make/Type	MF GAUGE	
Pressure range	0-6000 PSI	
Automatic Driller		
Make/Type:	SATELLITE	N/A
		N/A
Deviation Equipment		
Measuring Device		
Quantity	On Order	N/A
Make/Type		
Deviation range	8 Degree	N/A
Wireline Winch		
Make/Model	Inter American Oil Works	Model 1000 ID # 7261
Wire length (nominal)	N/A	
Wire size	N/A	
Serial Nr.	N/A	
Rig Communication System		
Telephone System / Intercom System		
No. of stations:	3	sistema no esta funcionando en este equipo
Make/Type:	Gaytronics	sistema no esta funcionando en este equipo
Explosion proof: y/n	Yes	sistema no esta funcionando en este equipo
		sistema no esta funcionando en este equipo
No. of stations:		sistema no esta funcionando en este equipo
Make/Type:		sistema no esta funcionando en este equipo
Explosion proof: y/n		sistema no esta funcionando en este equipo
Telephone System / Satellite Communication		
Telephone connection to:	Rented from Elara	

Reviewed by: _____

Approved by: _____

RIG 835 LAND RIG EQUIPMENT LIST

Well-Site Trailers		
Rig Camp		
Calmena Well Site Staff Accommodation		
Total Number of Beds:		12
Number of Skid Mounted Caravans:		2
1 bedrooms in each:		1
2 bedrooms in each:		1
Number of Galleys:		2
Workshop	Safety Training Trailer (1)	
Calmena STP Office		
Each trailer complete with:		
Furniture: y/n	yes	
Computer: y/n		
- Make / type:		
Photocopy machine: y/n		
- Make / type:		
Laser Jet Printer: y/n		
- Make / type:		
Refrigerator: y/n	yes	
Coffee machine: y/n	yes	

Reviewed by: _____

Approved by: _____

RIG 835 LAND RIG EQUIPMENT LIST

Fire Prevention & Safety Equipment		
Detection and Alarms		
Combustible Gas Detection	Yes (Hand Held)	
Description:	Orion Multigas Detector	MSA approved
Type & Location of sensors:	catalitico	
Type & Location of alarms:	audible / visible	
Alarm setting range:	5% a 58%	
Type & Number of explosimeters:		
Fire Detection		
Smoke and heat detectors:	Orion Multigas Detector	MSA approved
Alarms:	audible	
Type and Location of sensors:	Catalitico	
H2S Gas		
Type of fixed detectors:	Orion Multigas Detector	MSA approved
Number and location of detectors:	electro quimicos	
Number and location alarms:	1	
Alarm setting range:	10ppm a 100ppm	
Make & Type of Portable Detectors		
Smoke and heat detectors:		
Alarms:		
Location of sensors:		
Safety Equipment		
Breathing System		
Self-contained breathing sets:	Yes	
Quantity:	8	
Make/Type:	Luxfer / sperian	
Duration capacity: (30 min.)	30 min	
Air recharging system:	NO	
Quantity:	NO	
Make/Type:	NO	
Duration capacity: (10 min.)	NO	
Central air compressed unit & number of facemasks:	NO	
Location of primary briefing area:	Lease Entrance	
Location of secondary briefing area:	Opposite of Entrance	
Wind Indicators Visible at Night:	Yes (2)	
Fire Protection Equipment		
Fire Pump	N/A	
Make/type:		
Quantity:		
Capacity / Output: gpm		
Driven by:		
- HP:		
Water Tank		
Quantity:	1	
Capacity:	400 bbl	

Reviewed by: _____

Approved by: _____

RIG 835 LAND RIG EQUIPMENT LIST

Fire Prevention & Safety Equipment		
Portable Foam Generator Equipment:		
Make/Type:		
Quantity:		
Capacity:		
Foam type:		
Portable CO2 Extinguishers		
Make/Type:	ANSUL	
Quantity:	2	
Capacity:	9.5 kg	
Date of last inspection:	Jan-11	
Dry Powder Extinguishers		
Make/Type:	ANSUL	
Date of last inspection:	Jan-11	
Capacity:	125 lb	
Quantity / wheeled:	2	
Quantity / not wheeled:	13	
Capacity:	13x25 lb4x20 lbs. 1x6kg	
Date of last inspection:	Jan-11	
Rescue		
Stretchers:	2	
First Aid Equipment		
Type:	Model R36	
Quantity:	3	
Emergency Shower:		
Quantity:	1	
Location:	Mud Tank (Suction)	
Eye Wash Stations:		
Quantity:	3	
Location:	en envudo 1 , mud tank 2	

Reviewed by: _____

Approved by: _____

RIG 835 LAND RIG EQUIPMENT LIST

Transportation / Handling		
Loader		
Quantity:	1	
Make/Model:	Caterpillar / 930H	
Model:	J2W01069	
Serial Number:	C6E11362	
Maximum Load capacity:	9583 Lb	
	Stinger, Pallet Forks, Pipe Forks w/ Gripper	These Items were being Re-Certified by Tubeoscope at this time, cert records will need to be updated accordingly.
Handling accessories		
STP Pick-up Truck		
Quantity:	1	
Make/Model:	Chevrolet	
Single / Club / Crew Cab	Club	
Year	2010	
Light Tower	Terex AL-4000	
Model	J976-T6000	
Serial Number:	8Q1510	

Reviewed by: _____

Approved by: _____

RIG 835 LAND RIG EQUIPMENT LIST

Miscellaneous Equipment		Comments
Workshop and Repair Facilities (Mechanic / pump shops)		
Mechanical Workshop:	1 asset 835-09	
Facilities:	Mechanics Work Room	
Hydraulic Cutter for Wireline		
Manufacturer:	PELL CABLE CUTTER CO.	
Wire Cutting Range:	MAX 1 1/8"	
High Pressure Wash Down Unit		
Make:	ACME CLEANER	
Model:	EL 5000	
Number of wash guns:	2	
Fuel Oil Tank		
Make:	MD COWAN asset 835-14	
Capacity: bbl	290 BBL	
Number of transfer pumps	2	
Number of suction pumps		
Measuring device	SIGHT GLASS	

Reviewed by: _____

Approved by: _____

INVENTARIO DE REPUESTOS ELECTRICOS 2015

RIG 738

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INVENTARIO ELECTRICO RIG 738

CABINET A

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DESCRIPTION	PART #	MANUFACTURER	QTY	LOCKER	BIN	
1/0 BASEANALOG 4CH IN 2 CH OUT	170 AMM09000	SCHNEIDER	1	A1	1	
POWER SUPPLY RIO ADAPTER,FLEX 1/0,24 VDC	1794-ASB(N21-1000-010)	AB (CAN RIG)	1	A1	2	
INPUT, DIGITAL, 16PT, 24Vdc, FLEX I/O	N21-3000-010(1794-IB16)	AB	7	A1	3	
SURGE PROTECTION , RTD, 3 WIRE	N10074	AB	3	A1	8	
PROCESSOR,PLC,SLC5/03	N12-1004-010	AB	1	A1	8-1	
OVERLOAD RELAY 10-50 V/dc	CEP7-EECB		6	A1	8-2	
OVERLOAD RELAY 10-50 V/dc	CEP7-EEDB		2	A1	8-3	
OVERLOAD RELAY 5,4/2/,0 amp	CEP-EEEB		2	A1	8-4	
TERMINAL BASE , 52 TERMINAL , SCREW CLAMP	1794-TB3	A.B	4	A1	9	
OUTPUT, DIGITAL , 8PT, 24 Vdc , FLEX I/O	(1794-OB8EP)	A.B. (CAN RIG)	12	A1	10	
OUTPUT,DIGITAL,16PT,VAC/VDC	1746-0W16	A.B.	4	A1	12	
INPUT DIGITAL MODULE , 16PT	1746-IB16	A.B.	4	A1	13	
OUTPUT,DIGITAL,8PT,ISOLATED	1746-0X8	A.B.	2	A1	14	
PROCESSOR,PLC,SLC5/03	1747-L532	A.B.	1	A1	15	
REMOTE I/O SCANNER, SLC500	1747-SN	A.B.	1	A1	16	
POWERSUPPLY,120/240VAC,180VA	1746-P2	A.B.	2	A1	17	
POWERSUPPLY,5VDC,6A	HC5-6/0VP-A	POWER ONE	1	A1	18	
CONTACTOR, 24VDC-COIL (,15HP , 575 Vac)	CA7-23C-10 (E10315)	S&S(CAN RIG)	2	A1	20	
CONTACTOR, 24VDC-COIL(25HP, 575 Vac)	CA7-37C-10 (E10366)	S&S(CANRIG)	5	A1	21	
PRES SW CAN RIG/ROSS HILL (0,4-1,6) IN WAT	N08-1004-010	DWYER	3	A1	22	
VOLTAGE FEED BACK CANRIG	901-20-0		6	A1	23	
CAPACITOR 6.8mF, 400V	40L3681 (N62244)	GE	5	A1	23--1	
HIGH CURRENT RELAY	E19-1021-010	ALTECH CORP	1	A1	25	
SIGNAL ISOLATOR , 0-10Vdc IN , 4-20 mamp OUT	N10079	PHOENIX	2	A1	26	
DC POWER SUPPLY 5VOLT 3 AMP	HCB-3-OVP-A	CONDOR	1	A1	30	
SELECTOR SWITCH	800T-J2KA7WA	AB	1	A1	32	
SELECTOR SWITCH	800T-J2KC1B(E06-1004-010)	AB	1	A1	33	
ILUMINATED SELECTOR SW	800T-16HX2KB6AX	AB	4	A1	34	
BIN RAIL PANEL ADAPTER	CEP7-A37-37-10	SPRECHER	1	A1	35	
RAIL / PANEL ADAPTER	CT7-24-P-AN	SPRECHER	1	A1	38	
AUXILIAR CONTACTS BLK PUSH BUTTOM	198-MS2		1	A1	38-1	
AUXILIAR CONTACTS SIDE MNT	CA7-PA-10	SPRECHER	2	A1	39	
THERMAL OVER LOAD RELAY	CT7-24-10	SPRECHER	2	A1	40	
TIME METER	RH 000-6905-90	YOKOGAWA	1	A1	41	
HERTZ METER	254-350-ANAN	YOKOGAWA	1	A1	42	
POWER SUPPLY 100/120/220/240Vac-12 VDC-7 Am	GHOF 3-12	GFC	1	A1	44	
POWER SUPPLY 100/120/220/240Vac12 VDC-3.4 A	GHOF 2-12	GFC	1	A1	45	
SWITCH ,SEL , 2 POS , ILLUM KNOB	E06-1000-01D	CAN RIG	1	A1	46	
PC BONRD 8 INACTIVE) RES ASSY 600VAC	AY10656		1	A1	47	
GP POWER RELAY	130-25-256		1	A1	48-1	
SWITCH 3 POS	800T-J2KA7	AB	1	A1	49	
POWER SUPPLY , 5 VDC, 2 AMP, ENCAPSULATED	E12-2007-010	CAN RIG	1	A1	50	
EEPROM SCC5/03,5/04,5/05 PROCESSOR	N12-4003-010 (1747-M13)	AB	1	A1	51	
		CABINET A		A2		
SLOT CHASIS (13 SLOT)	CAT 1746-A13	AB	2	A2	1	
PRESURE SWITCH AIR CAN RIG	142P80CEANR443	ITT	1	A2	2	
SLOT CHASIS (10 SLOT)	CT 1746-A10	AB	1	A2	3	
SIGNAL CONDITIONER	G4480002	ACTION INST.	1	A2	4	
POWERSUPPLY,24VDC,12A	F24-12-A	POWER ONE	2	A2	5	
EMERGENCY SHUT DOWN RED PUSH BUTTON	800T-FX	AB	1	A2	6	
ISOLATION SWITCH BLOCK	1492-H7	AB	1	A2	7	
PROXIMITY SENSOR 10-30 VOL N02-1006-020	N02-1006-020	PEPPERL	2	A2	8	

PROXIMITY SENSOR 1-NO,10-30Vdc,8mm	N10057	AN RIG (PEPPERL	3	A2	9	
PROXIMITY SENSOR CANRIG	122507		2	A2	10	
PROXIMITY SENSOR CANRIG,1-NO,1-NC,10-60Vdc	N10000	AN RIG (PEPPERL	2	A2	11	
INDICATING LITE	800A-L2 FG	AB	2	A2	13	
CONTACT BLOCK N.O -BASE MOUNTING	9001 KA-2	SQUAR D	2	A2	14	
SQUARE YELLOW LENS CONTROL	9001 KXAA-8	SQUARE D	1	A2	15	
CONTACT BLOCK N.C -BASE MOUNTING	D5-3BX01	SPRECHER	1	A2	17	
PRESSURE SW 75 PSI TD	N03-1012-010	CCS	1	A2	19	
PRESSURE TRANSMITTER 5000PSI	PTX1021-8465	SRP	1	A2	21	
OPTO CUPLER 230 VAC /5/48VDC OUT	E10242		1	A2	21-1	
DIODE ASSY 35 A, 45V TOP DRIVE	AY10906	CAN RIG	1	A2	25	
TERMINAL , GROUND STRIP 8-12AWG	E10778	CAN RIG	2	A2	27	
TEMP SWITCH , 110 F , SPST	N10081-1	EMERSON	2	A2	28	
SWITCH PRESSURE 25-250 PSI	N03-1011-010		1	A2	29	
SWITCH, PUSH BUTTON, ILLUM.	800T-PA16R	AB	1	A2	30	
PLUG/CABLE CONNECTOR REMOTE	N21-4002-010		1	A2	31	
PRESSURE SWITCH ACCUMULATOR	BITS32	BARKSDALE	1	A2	32	
AUX INTERLOCK	1-14-192-890-523	HUBELL	4	A2	33	
DECADE VARIABLE RESISTOR	3430	OHMITE	2	A2	34	
DECADE VARIABLE CAPACITOR	3432	OHMITE	2	A2	35	
BATTERY CHARGER 12Vdc /6Vdc			1	A2	36	
CONTACT BLOCK	KPR2NC	MOLLER	1	A2	37	
CONTACT BLOCK	KPR2NO	MOLLER	1	A2	38	
INSERT SIZE 18, 10 SOCKET, 16 AWG	E36-3015-010	CAN RIG	1	A2	39	
INSERT SIZE 14S, 4 SOCKET, 16 AWG	E36-3003-010	CAN RIG	1	A2	40	
INSERT SIZE 14S, 4 PIN, 16 AWG	E36-3002-010	CAN RIG	1	A2	41	
INSERT SIZE 18, 10PIN, 16 AWG	E36-3014-010	CAN RIG	1	A2	42	
CONNECTOR 4 PIN (VALVULA SOLENOIDE)			2	A2	42-1	
RECEPTACLE SHELL , SIZE 14S	E36-3100-010	CAN RIG	1	A2	43	
RECEPTACLE SHELL , SIZE 18	E36-3102-010	CAN RIG	1	A2	44	
PLUG SHELL , SIZE 14S , 90 DEGREE, SPLIT	E36-3200-010	CAN RIG	1	A2	45	
SWITCH PRESSURE 75-1000 PSI	N03-1016=010		2	A2	46	
PCB-60 VOLT POWER SUPPLY	0510-0500-00	RH	2	A3	1-1	
PCB-GEN EXCITER CARD	0509-7901-00	RH	2	A3	1-2	
PCB-POWER LIMIT CARD	0509-3900-00	RH	2	A3	1-3	
PCB-VOLTAGE FEED BACK	0509-3000-00	RH	1	A3	1-4	
PCB-13 GROUND FAULT	0509-5900-00	RH	1	A3	1-6	
PCB-5 SPROCKET SLIP	0509-2600-00	RH	2	A3	1-7	
RESISTOR 150 OHMS-225W	L225J150	OHMITE	3	A3	2-1	
SNUBBER CAPACITOR 1mF, 2000V PEAK	85A86105K80		0	A3	2-2	
DIODE 2EC 0038 13346 DW / DYNAMIC BRAKE	NL-501V1400031		4	A3	2-3	
FIRING XMER	0100-0357-00	RH	1	A3	2-4	
VARISTOR	V420PA40A	HARRIS	2	A3	2-5	
MOV 750VRMS	V751BA60	HARRIS	3	A3	2-6	
VARIOUS RESISTORS BINDER	V 420PA40C		2	A3	3	
RESISTOR 150 OHM,30 WATT , DC CONTACTORS		ROSS HILL	20	A3	4-1	
THROTTLE RHEOSTAT 1 KHOM	RHSIKO	OHMITE	4	A3	4-2	
BOVINA 24 VDC (DISPARO DE BREAKER	39390	MERLIN GERIN		A3	4-4	
COMPACT PUSH BUTTON	E30AG	CH	1	A3	4-5	
CONTACT BLOCK N/O	E30KLAI	CH	2	A3	4-6	
CONTACT BLOCK N/C	E30KLA2	CH	1	A3	4-7	

EXTENDED BUTTON RED OFF	10250T181HRP	CH	1	A3	4-8
SNUBBER RESISTOR 25 OHM, 55 WATT	F55J25R	OHMITE	10	A3	5-2
ROYAL CAMARA RELAY BOARD	RS-1P-MB-012		2	A3	6-1
INSULATOR POST	E24-1000-010	CANRIG	4	A3	6-2
DIODE NEGATIVE	R5021213LSWA		3	A3	7-2
DIODE POSITIV	R5031213LSWA		3	A3	7-3
DIODO NEGATIVO	70HF100		3	A3	7-4
DIODO POSITIV	70HFR100		3	A3	7-5
DW DYN BRAKE DIODE BRIDGE MSCMT400S	507.0004-00		2	A3	7-6
PUSH TO OPERATOR (RH 0412-0059-01M)	9001K-XRB1	SQUARE D	2	A3	8-1
PILOT LIGHT RED TRANSFORMER	9001KP1R31	SQUARE D	1	A3	8-3
RELAY HORN PHONE DOG HOUSE (DPDT 24V 2A)	R40-11D2-24	NTE	3	A3	10
BOARD DATOLOGO	WMWX 8805	DATALOG	1	A3	50
RELAY DPST	62187	PARTNERS	2	A3	11
SCR BRIDGE FUSE 60A-1000V	SPJ-4M60	BUSSMAN	24	A3	14
FUSE 700 APM 600 VOLT	Z301552	FERRAZ	6	A3	15
CABINET A (A4) E				A4	
METER INPUT (0-1MAMP) OUTPUT (0-2500acAMP)	10311FASS	YOKOGAWA	1	A4	1
METER INPUT (0-1MAMP) OUTPUT (0-2500AC WAT	7139578586	YOKOGAWA	1	A4	2
METER INPUT (0-1MAMP) OUTPUT (0-1000dcVOLT	103111FASS7XYZ	YOKOGAWA	1	A4	3
METER INPUT (0-1MAMP) OUTPUT (0-1500dcAMP)	10311FAZZ7XXN	YOKOGAWA	1	A4	4
METER INPUT (0-1MAMP) OUTPUT (0-2500KVA)	10311FAFA7XXK	YOKOGAWA	1	A4	5
METER 0-1000 KVARs	103021P25M	YOKOGAWA	1	A4	6
METER 0-750VAC	103111FA55	YOKOGAWA	1	A4	7
METER 10 DCV, SC:0-1200DCA	103011MTSV	YOKOGAWA	1	A4	7--1
STROKE COUNTER METER (RH CONTROLS)		CROMPTON INS	1	A4	9
BASE 10 SLOT WHITE CPU	IC693-CPU323U	G.E.	1	A4	10
BASE 5 SLOT WHITE CPU	IC693-CPU311-AD23U	G.E.	1	A4	11
POWER SUPPLY 120/240 VAC 125VDC	IC693PWR321U	G.E.	1	A4	12
INPUT ANALOG 16 PT VOLTAGE	IC693ALG222E	G.E.	1	A4	14
OUTPUT ANALOG CURR/VOLTAGE 8 PT	IC693ALG392-BE	G.E.	1	A4	15
OUTPUT RELAY 2A 16 PT	IC693MDL940K	G.E.	1	A4	16--1
OUTPUT RELAY 2A 16 PT	IC693MDL940H	G.E.	2	A4	17
INPUT 120 VAC 16 PT	IC693MDL240E	G.E.	3	A4	18
INPUT 120 VAC 16 PT	IC693MDL240C	G.E.	1	A4	18--1
INPUT 24 VDC 16 PT POS/NEG LOGIC	IC693MDL645E	G.E.	1	A4	19
INPUT ANALOG 4 PT CURREN	IC693ALG221G	G.E.	1	A4	20
COMUNICATIONS MODULE	IC693CMM302L	G.E.	1	a4	21
COMUNICATIONS MODULE	IC693CMM302N	G.E.	1	A4	21--1
POWER SUPPLY 120/240VAC 125VDC 30W STD	IC93PWR321Z	G.E.	1	A4	22
POWER LIMIT METER	0801-0021-00	RH	3	A4	23
STEEL SUPORT	H13-1035-014		8	A4	24
ELECTRONIC CARD AIR ACOND	ST83573		1	A4	25
TRIAC,FRIEDRICH A/C	Q6025P18-29600		2	A4	27
PUSH BUTTONCONTACT BLK	198-MS2	AB	1	A4	33
SLOT CHASIS (10 SLOT)	CT 1746-A10	AB	1	A5	22
BASE PARA BATERIA SCR	1105631		1	A5	49
SCRA/C DRY FILTER ; 1/2" FLARE; 6-8 TON	SD-304	BULL	1	A5	50
SCR A/C FOR DRY FILTER 1/2 VALVE	N/A	N/A	1	A5	51
GOULD PUMP 1/2 HP, 1/60/230 6,5 A	W0512F	GOULD	1	A5	52
WATER PUMP ICE MACHINE	40976	HARTELL	1	A5	53

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CABINET B

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DESCRIPTION	PART #	MANUFACTURER	QTY	LOCKER	BIN	
CT 600:1	0100-3600-21	ROSS HILL	3	B1	1	
CT 800:1	0100-3600-25	ROSS HILL	3	B1	1	
RED MALE RECEPT	E1049-1810	CAM-LOK	1	B1	2	
BLACK MALE RECEPT	E1049-1808	CAM-LOK	1	B1	2	
BLUE MALE RECEPT	E1049-1814	CAM-LOK	1	B1	2	
RED FEMALE RECEPT	E1049-1835	CAM-LOK	1	B1	2	
BLACK FEMALE RECEPT	E1049-1833	CAM-LOK	1	B1	2	
BLUE FEMALE RECEPT	E1049-1839	CAM-LOK	1	B1	2	
535 MCM MALE CONTACT	A201107-1	CAM-LOK	2	B1	3	
535 MCM FEMALE CONTACT	A201103-1	CAM-LOK	3	B1	3	
444 MCM MALE CONTACT	A201107-8	CAM-LOK	3	B1	3	
777 MCM MALE CONTACT	A201107-3	CAM-LOK	3	B1	3	
TRANSFORMER 115 V-12 V	1000811C	TRIO	1	B1	4	
CONTROL MULTIMEDIA (COAL FILTER CAMP)	440 I	OSMONICS	2	B1	4	
CLOCK (COAL FILTER CAMP)	31001569	OSMONICS	1	B1	4	
RED MALE BOOT	A201106-3	CAM-LOK	1	B1	5	
BLACK MALE BOOT	A201106-1	CAM-LOK	1	B1	5	
BLUE MALE BOOT	A201106-7	CAM-LOK	1	B1	5	
RED FEMALE BOOT	A201100-3	CAM-LOK	1	B1	5	
BLACK FEMALE BOOT	A201100-1	CAM-LOK	1	B1	5	
BLUE FEMALE BOOT	A201100-7	CAM-LOK	1	B1	5	
WATER PUMP ICE MACHINE	DMD-51M-1	HARTELL	3	B1	8	
TRANSFORMER 600/120 250VA	PH250AJ	HAMMOND	0	B2	9	
STROBE LIGHT DIV 2 RED 120 VOLT	151XST-120R	FEDERAL SIGNAL	1	B1	10	
STROBE LIGHT 2 RED 120 VOLT	AVI-LED-120A	SIGNAL DIVISION	1	B1	11	
GDC 315 MA	GDC 315mA	BUSS	10	B2	1	
TRANSFORMER 600/120 150VA	PH150AJ	HAMMOND	1	B2	1-1	
TRANSFORMER 600-120,100VA	SL100AJ	HAMMOND	2	B2	1-2	
TRANSFORMER 600/120 50VA	PH50AJ	HAMMOND	1	B2	1-3	
PROPORTIONAL MEDIUM ACTUATOR	PVEM 32 157B4116	SAVER DANFOSS	2	B2	2-1	
SOLENOID VALVE	SA-G01-C6-C115-E31	NACHI	2	B2	2-2	
PROPORTIONAL HIGH ACTUATOR	PVEH 120(S4) 155G4092	SAVER DANFOSS	2	B2	2-3	
DANFOSS BOARD	GHOE 4-12	DANFOSS	1	B2	2-4	
JOY STICK	PQC M115-1030	P-Q CONTROLS	1	B2	3-1	
JOY STICK, TOP DRIVE MODE, (M62469-V/1) JS1	900-23-3	CANRIG	4	B2	3-2	
JOY STICK, BACK UP WRENCH,JS2	900-23-1	CANRIG	1	B2	3-3	
JOY STICK LINK TILT, JS-3	900-23-2	CANRIG	2	B2	3-3	
JOYSTICK, HANDLER ROTATE,JS-4	900-23-4(M62469-V/2)	CANRIG	4	B2	3-3	
KNOB, NON LATCHING JOYSTICK	E18-1003-01A	CANRIG	5	B2	3-3	
JOY STICK 4 POSIT.	EJSCM11719	CANRIG	1	B2	3-4	
GDG2,,2A,250VAC	GDG2	gouldshawnut	80	B2	4	
GMA 10A		BUSS	10	B2	4	
FUSE AGC GLASS , 1A , 250V , 1/4 X 1 1/4	1Amp	BUSS	24	B2	4	
FUSE AGC GLASS , 10A , 250V , 1/4 X 1 1/4	10Amp	BUSS	10	B2	4-1	
FUSE AGC GLASS , 2A , 250V , 1/4 X 1 1/4	2Amp	BUSS	55	B2	4-2	
FUSE AGC GLASS , 20A , 250V , 1/4 X 1 1/4	20Amp	BUSS	8	B2	4-3	
FUSE AGC GLASS , 5A , 250V , 1/4 X 1 1/4	5Amp	BUSS	15	B2	4-4	
FUSE AGC GLASS , 3.5A , 250V , 1/4 X 1 1/4	3.5 Amp		0	B2	4-5	
FNQ 3 1/2	3.5Amp	BUSS	20	B2	4-6	
FUSE HOLDER	1492-FBIM30	AB	2	B2	4-7	

FUSE KTK-R-10	KTK-R-10	BUSS	20	B2	4-8	
FUSE KTK-R-6	KTK-R-6	BUSS	20	B2	4-9	
FUSE,15A,600V	HRC1-CB#CH515	GEC ALSTHOM	3	B2	4-10	
FUSES	FNQ-6	BUSS	10	B2	4-11	
FUSES	FNQ-R6	BUSS	14	B2	4-12	
ISOLATION SWITCH BLOCK	1492-WFBI0	AB	0	B2	5	
FUSE HOLDER PRESSION 50 AMP 100VOLT	0.301-0031-00		3	B2	5-1	
FUSE HOLDER, AB	1492-FB1C30-L	AB	7	B2	5-2	
FUSE HOLDER, AUTOMOTIVE	82-2165	GROTE	3	B2	5-3	
FUSE HOLDER,AUTOMOTIVE	82-2163	GROTE	4	B2	5	
FUSE HOLDER,GOULD	USM1L	GOULD	5	B2	5-5	
FUSED TERMINAL, AB	1492-H	AB	9	B2	5-6	
FUSES AUTOMOTIVE	15 AMP	BLUE	6	B2	5	
FUSES KTK 10	KTK10		9			
FUSES 30	KTK30		6			
FUSES	KTK5		6			
FUSES	KTK 6		2			
FUSES	KTK3		4			
FUSES	KTK1		9			
FUSES	KTK2		3			
FUSES	BAF-5		10			
FUSES	LP-CC-3-		10			
FUSES	FNM-2		8			
FUSES	ATO 6		10			
FUSES	TRM1-1-4		10			
FUSES	TRM2-		10			
OVER PROTECCION MODULE	OPM-1038RC	BUSS	2	B2	5	
BATTERY RECHARGEABLE SEALED LEAD-ACID	SB-604-B	VENSUNLI	1	B3	1	
BULB, AUXILIAR GENERATOR	47F	PHILIPS	4	B3	1-1	
HALOGEN 1500WATT-240 VAC	1500T3Q/PCL	PHILIPS	11	B3	1-1	
HALOGEN LAMPS TUSTEN	J130V 300W	EYE	9	B3	1-2	
LAMP 130V (MINI)	800T-N169	ALLEN BRADLEY	44	B3	1-3	
BULB,6.3V 2A WEDGE	CM86	VCHINTER	17	B3	1-3	
BULB,DERRICK STROBE	129C	STAR	0	B3	1-3	
BULB,GE, 28 VOLT	757	HASKEL LITE	6	B3	1-3	
BULB,GE, 6.3V 0.15A	755	HASKEL LITE	10	B3	1-3	
BULB,INDICATOR	BA-9	CH	5	B3	1-3	
BULB,LED GREEN 6VAC	E09-1026-030	LEDTX	3	B3	1-3	
BULB,LED RED 6VAC	E09-1025-030	LEDTX	3	B3	1-3	
BULB, EMERGENCY	6V4WW		9	B3	1-3	
LIGHT BULBS 11 WATT-120V	514	SYLVANIA	5	B3	1-4	
BULB,INDICATOR,120VOLT,25MA (driller console)	120MB	SYLVANIA	39	B3	1-4	
TAPE BLUE	MMM35BLUE	3M	0	B3	2	
TAPE RED	MMM35RED	3M	4	B3	2	
BATTERY LOAD TESTER 100AMP 6/12 VOL	AZ581R	WESTWARD	1	B3	2-3	
TAPE, 1" 130C RUBBER		3M	4	B3	2	
TAPE, 23 RUBBER		3M	7	B3	2	
TAPE, SUPER 33		3M	0	B3	2	
TAPE, RUBBER		3M	0	B3	2	
TAPE, SUPER 35	2155	3M	0	B3	2	
		3M	0	B3	2	

SOLDERING TIN - 60 SIZE- 1POUND	0.8 mm	CARVIN	1	B3	2	
ENGRANAJE PARA AGITADOR	42331		5	B2	02--9	
OIL SEAL (SELLO PARA MOTOR AGITADORES)	692415	SKF	9	B2	02--10	
CHAVETAS PARA MOTOR	204-37-62		14	B2	2--11	
PORTA PACK- WIRE MARKERS		T&B	4	B3	2	
BULB CHINA 6,3 V / 0,3 A			19	B3	1_3	
BULB 60MB T2 1/2 ; 60 V 0,05 AMP		DAMAR	20	B3	1_3	
FLEXIND 3/4 STRGHT	P-45013		7	B3	####	
SCR Air conditioner PRESS SW PSH4 410 PSI	4489701	LENOX	3	B4	1	
AIR / COND FAN MOTOR 1/2 HP 230V 1075 RPM	D1056	A.O.SMITH	1	B4	1	
AIR / COND FAN MOTOR 1/3 HP 230V 1075 RPM	KA55HXSMR-1661	EMERSON	0	B4	1	
AIR / COND FAN MOTOR 3/4 HP 230V 1075 RPM	K55HXEFM-7287	EMERSON	1	B4	1	
FAN,PANEL,115VOLT,11WATT	8506N	PABST	1	B4	1	
MONITOR LINE VOLTAGE /CORRENT	E10760		1	B4	1--1	

CONTACT CLEANER / LUBRICATOR, SPRAY	3140	SQ	12	B4	2	
PLASTIC LOCK OUT	65675	BRADY	6	B4	2	

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DESCRIPTION	PART #	MANUFACTURER	QTY	LOCKER	BIN	
PLASTIC LOCK OUT	65674	BRADY	5	B4	1	
CATTLE EAR TAGS,ORANGE	XFO/B	ALLFLEX	10	B4	2	
CATTLE EAR TAGS,RED	XFR/B	ALLFLEX	12	B4	2	
THERMOSTAT	112761	FRIEDRICH	1	B4	3	
CONDENSER 10 MICROFARAD 370 V	C22.2NO.190	CSC	1	B4	4	
CONDENSER 35-5 MICROFARAD 370 V	325P505H37A14N4X	CSC	3	B4	4	
CONDENSER 5 MICROFARAD 370 V		TGM	3	B4	4	
CONDENSER 5 MICROFARAD 370 V	HCKY350V3702	HC CONTROLS	3	B4	4	
KNOB, NON-LATCHING JOYSTICK	EI-1003-01A		4	B4	3	
RESISTOR TO WATER HEATER	10G30-80	GIANT	2	B4	5	
600/120-240 VOLT 2KVA X-MER	9T58K2834	GE	2	B5	1	
TRANSF 600:120 150 VA	NT12588	NICOLLET	2	B5	2	
TRANS.D.C.MODULE, T4 .275 KVA	E275C	EGS	1	B5	3	
TRANSFORMER, AC REGULATOR,T10	1003-0008-00 (NTI-2639)	RH	1	B5	4	
TRANSFORMER, DC REGULATOR, T4	1003-0007-00 (NTI-2638)	RH	1	B5	4	
TRANSFORMER T2 .100 KVA	E180N	EGS	1	B5	5	
ISOLATION TRANSFORMER 115/115 V	171E	HAMMOND	1	B5	6	
TRANSFORMER T13 .550KVA	E550JM	EGS	1	B5	7	
TRANS. T5,CONTACTOR SUPPLY	1003-0066-00	RH	1	B5	8	
SCR A/C FAN MOTOR 1/2HP-575VAC-1075RPM	HF3K034K	A.O.SMITH	1	B5	9	
BORAX	224960	UNIBRAZE	2	B5	10	
LEAK DETECTOR	4832-C9	NV-CALGON	7	B5	10	
OIL 16 OZ	13201	ROBINAIRE	0	B5	10	
OIL 1 GAL	13204	ROBINAIRE	0	B5	10	
ADJ. VALVE 1/4-5/16-3/8	NOQTM-1	MAC	4	B5	10	
FILTER DRIER	TLD-163	TOP FRLO	1	B5	11	
NATIONAL RIG LITE , FLUORESCENT 48 INCH	NRL483	NAT RIG LITE	2	B		
Air Conditioner Compressor # 3E-1909 106-5122		Copeland	0			
Vidrios para lamparas			1			
GLASS GLASS GLOBES V51	VGL-1CL	APPLETON	0	B		
INDICATOR , BEACON / VISUAL FITTED TO	BM2-Y	WESTLOCK CONT	0	B		
DIN MOUNTING RAIL	1492-DR7	ALLEN BRADLEY	5			
MOUNTING RAIL	1492-N22	ALLEN BRADLEY	2			
SCR BLOWER 3/4HP,600VAC,1625RPM,1,98 A	5KCP39PG	GE	6	B5	9	
AIR COND EVAP & COND COILS FILTER ROLES	4WZ61		3			

ANTENA EXTENSION CABLES			2	B3	2	
3 WIRE REC SOCKET FOR A / CONDITIONERS	98796	LAWSON	24	B3	1	
6 WIRE REC SOCKET FOR A / CONDITIONERS	89797	LAWSON	4	B3	1	
3 WIRE PLUG SOCKET FOR A / CONDITIONERS	98802	LAWSON	24	B3	1	
6 WIRE PLUG SOCKET FOR A / CONDITIONERS	98803	LAWSON	4	B3	1	
CONDENSER 35 + 5 MFD , 370 VAC		TGM	2	B4	4	
MOTOR RUN CAP 5 / 35 MFD , 370 VAC	3GJ0535	DIVERSOTECH	1	B4	4	
VALVE DUMP 120 V	165637008	CORNELIUS	1	B4	1	
TOGGLE SWITCH 20 AMP / 250 VAC			3	B4	4	
FAN MOTOR 1 / 40 HP , 3000 RPM , 120 VAC	4M076D	DAYTON	4	B4	1	
3 PHASE POWER LIMIT 600V / 32V , 60 VA XTR	1003-0045-00	ROSS HILL	1	B5	9	

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CABINET D

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DESCRIPTION	PART #	MANUFACTURER	QTY	LOCATION	
PLUGS/REC					
30AMP 3W3P PLUG	ACP 3033-BC	APP	1	D1	1
30AMP 2W3P PLUG	ACP3023-BC	APP	1	D1	1--1
30 AMP 3W4P PLUG	ACP 3034-BC	APP	2	D1	2
30 AMP 4W4P PLUG	ACP 3044-BC	APP	0	D1	3
30 AMP 2W3P PANEL RECEPT	ADR 3023	APP	0	D1	
30 AMP 3W3P PANEL RECEPT	ADR 3033	APP	2	D1	4
30 AMP 3W4P PANEL RECEPT	ADR 3034	APP	2	D1	5
30 AMP 4W4P PANEL RECEPT	ADR 3044	APP	0	D1	6
30 AMP 3W4P CORD END	ARC 3034	APP	0	D1	
30 AMP 4W4P CORD END	ARC 3044BC	APP	4	D1	7
30 AMP 4W 4P PANEL RECEPT	AR341	CROUSE HINDS	1	D1	8
30 AMP 4W4P INTERIOR	ARI 3044	APP	4	D1	8--1
BOX,ARC,30 AMP	AEE-23	APP	1	D1	9
30 AMP PLASTIC CAP FOR PLUG			20	D1	10
30 AMP CAP FOR RECEPTACLE	QE 13	APP	2	D1	11
30 AMP 3W 4P PLUG STYL 1	ARP 3034	APP	1	D1	12
30 AMP 3W4P INTERIOR	API 3034	APP	2	D1	13
30 AMP 3W4P INTERIOR	ARI 3034	APP	3	D1	14
30 AMP 4W4P INTERIOR	API 3044	APP	2	D1	15
30 AMP PIN FEMALE			8	D1	16
30 AMP PIN MALE			13	D1	16
SEAL PANEL RECEPT			3	D1	17
30 AMP 2W 3P ARI	ARI 3023	APP	1	D1	18
CONTROL ASSEMBLY	EED-175	APP	2	D1	21
PLUG 20 AMP RECEPT	EFSR-20232	APP	3	D1	22
30 AMP 4W 4P PANEL PLUG	APJ3485	CH	0	D1	
30 AMP 4W 4P PANEL PLUG	453	CH	0	D1	
60 AMP 4W4P PANEL RECEPT	ADR 6044	APP	2	D2	1
60 AMP 4W4P PANEL RECEPT	ADR 6034	APP	2	D2	1A
60 AMP 4W 4P PLUG	ACP6044-BC	APP	2	D2	2
60 AMP W P PLUG	ACP 6034-BC	APP	4	D2	3
BOX ARC 100 AMP	AEE-46	APP	1	D2	1
60 AMP 4W 4P PLUG	APJ6475	CH	4	D2	5
60 AMP 3W 4P INTERIOR	API6034	APP	2	D2	6--1
60 AMP 3W 4P INTERIOR	API6034	APP	2	D2	6--2
60 AMP W P INTERIOR	ARI 6044	APP	5	D2	7--1
60 AMP 4W 4P INTERIOR	API6044	APP	5	D2	7--2
60 AMP CAP			36	D2	8
FAN FOR BLOWER DC TRACTION MOTOR			1	D2	9
IMPELLER,10 HP BLOWER,GE752	41B538106P1	GE	1	D2	9--1
100 AMP 4W 4P RECEPT	ADR 1044	APP	4	D3	1
100 AMP 4W 4P RECEPT	ADR1034	APP	0	D3	2
100 AMP 3W4P PLUG	ACP 1034	APP	1	D3	3
100 AMP 4W 4P PLUG	APJ10477	CH	4	D3	4
100 AMP 4W 4P PLUG	ACP1044-CD	APP	5	D3	5
100 AMP 3W4P PLUG CORD END	ARC 1034 CD	APP	4	D3	6
100 AMP 4W4P CORD END	ARC 1044-CD	APP	1	D3	7
100 AMP 3W4P INTERIOR	API 1034	APP	5	D3	8

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100 AMP 3W4P INTERIOR	ARI 1034	APP	3	D3	9	
100 AMP 3W4P INTERIOR	API 1044	APP	1	D3	10	
100 AMP 3W4P INTERIOR	ARI 1044	APP	1	D3	11	
PIN FEMALE			3	D3	12	
PIN MALE			8	D3	12	
100 AMP CAP PLASTIC PLUG			2	D3	13	
CAP FOR RECEPTACLE	304338	APP	6	D3	14	
LB-28-3/4			1	D3	15	
COVER, BLANK	DS 100G	CROUSE HINDS	2	D4	0	
JUNCTION BOX 1/2"	FS-1	CH	0	D4	0--1	
JUNCTION BOX 1/2"	FSC-1	CH	4	D4	0--2	
JUNCTION BOX 1/2" , THREADED COVER	GUAT 14	CH	1	D4	0--3	
JUNCTION BOX 1/2" THREADED COVER	GUAT 16	CH	2	D4	0-4	
COVER, SWITCH, EXPROOF	DSD 933		1	D4	1	
LB, 1/2", C/W GASKET & COVER	LB 18		1	D4	1--1	
COVER SWITCH EXPLOSION	ERT-1	NISKURIGLITE	0	D4	1--2	
SWITCH COMPLETE EXPLOSION	ECSK-F1	APPLETON	1	D4	1--3	
SOCKET, FLUORESCENT, H.O.	465	KULKA	18	D4	1--4	
SOCKET, FLUORESCENT, H.O. SPRING	464	LEVITON	6	D4	1--5	
SOCKET, FLUORESCENT, H.O. ROUND	523	LEVITON	24	D4	1--6	
SOCKET, HPS 400 WATT, PORCELAIN	LOCAL		15	D4	1--7	
SINGLWE GANG BOX	5324	BELL	2	D4	1--8	
COVER , SWITC EXPROOF	CNRL-1000	RIG LITES LTD	2	D4	1--9	
CHICO	A4	CH	1	D4	1--10	
CHICO	A05	CH	1	D4	1--11	
KITS FLYGT PUMP		FLYGT	1	D4	1--12	
JUNCTION BOX 1/2"	FSCA-1	CH	0	D4	2	
JUNCTION BOX 3/4"	GUAX 26	CH	3	D4	2--1	
JUNCTION BOX, 1/2"	GUAT-14	APPLETON	0	D4	2--2	
JUNCTION BOX, 3/4", T,	GUAT-26	CROUSE HINDS	1	D4	2--3	
JUNCTION BOX, 1/2" T	TEABTEAJT16	CH	1	D4	2--4	
JUNCTION BOX, 1/2" C	EABCEAJC16	CH	0	D4	2--5	
FIXTURE, NRL 100	RL 100		0	D4	2--6	
KEEPERS, FLUORESCENT, FIXTURE	RL53		0	D4	2--7	
BALLAST SODIUM 70W 120V	HPS-70R-1	KEYTONE	2	D5	1	
BALLAST, FLUORESCENT, RAPID-START	447-LR-TC-P	MAGNETEK	4	D5	1	
BALLAST, FLUORESCENT, RAPID-START	F40T12	PHILLIPS	0	D5	2	1019482
BALLAST, METAL HALIDE MERCURIO	M400MLTAC4M	MAGNETEC	0	D5	3	
HIGH OUTPUT RAPID STAR BALLAST	631-LH-TC--P	UNIVERSAL	7	D5	0	
CORE& COIL BALLAST KIT	71-A7907-601B/1	PHILIPS	0	D5	6	
CORE& COIL BALLAST KIT 1-400W S51 HPSODIUM	71A8473-00ID	ADVANCE	4	D5	6	
CAPACITOR 35 MFD 370VGL		GL	0	D5	0	
CAPACITOR 55 MFD 300V		GESCAP	1	D5	0	
CAPACITOR 55 MFD 240V	208	PARALIAX	1	D5	0	
CAPACITOR 55 MFD 370V	9837	MAGNETEK	0	D5	0	
STARTER HIGH PRESSURE SODIUM	HPS400-3A	UNIVERSAL	4	D5	0	
IGNITOR	1-800-437-0111	VENTURE	4	D5	0	
MAGNETIC PRESSURE SODIUM	S400MLTAC4M-500C	MAGNETEK	0	D5	0	
AUTOTX BALLAST 100 W MH #36 ; MERC LAMP	71A6502500	ADVANCE	1	D5	7	
UNIVERSAL TRIGGER START BALLAST 120 V	447-LR-TC-P	MAGNETEK	1	D5	0	

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DESCRIPTION: CATERPILLA	PART #	MANUFACTURER	QTY	LOCA	TION	
CATERPILLAR						
SENSOR GP- PR	194-6725		1	E1	1	
BULBO GE H3 24 VOLT 70 W	50350V		2	E1	2	
RELAY	130-3033		2	E1	3	
CONVERTER DO6M10Y06P472	175-4998		1	E1	4	
DIODOS A	1W9070		3	E1	5	
BREAKER -A	95-0174		1	E1	6	
HORNA	163-1201		1	E1	7	
SENSOR GP- PR	189-5746		3	E1	8	
RELAY	9Y-2921X		4	E1	9	
INDICADOR -DI	147-2056		1	E1	10	
LAMP GP- FLOO	234-4325		1	E1	12	
BULBO GE P21 24 VOLT 21 W	9X-4493		8	E1	13	
CONTROL G	9X-3207		1	E1	14	
VALVE -A	5N-1019		1	E1	15	
REGULADOR -AS	309-1019		1	E1	16	
LAMP GP- FLOO			1	E1	17	
SWITCH	7NO718		4	E1	18	
LAMPARA HALOGENO	351-9918		5	E1	19	
BULBO 24VOLT	9X4492		10	E1	20	
LAMP GP	145-6929		2	E1	21	
LAMP REAL LE	363-8597		2	E1	22	
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CORD END	97-3106A-20	AMPHENOL	3	E2	56	
10 PIN MALE RECEPTACLE HOUSING	ZPEK-12-334-SN	PYLE	0	E2	57	
PHOTOELECTRIC SMOKE ALARM	ESL320ACX	ESL	1	E2	1_2	
SMOKE ALARM detectors	1235E	KIDDE FYRNETICS	2	E2	37	
IONIZATION SMOKE ALARM	ESA5011	AMERICAN SENSORS	2	E2	38	
SMOKE & FIRE ALARM	SA379	AMERICAN SENSORS	1	E2	39	
CABLES CONECTORES			7	E2	40	
HEAVY DUTY ILLUMINATED PUSH BOTTON	80HL-QPB10G	AB	4	E2	41	
HEAVY DUTY ILLUMINATED PUSH BOTTON	80HL-QPB10R	AB	4	E2	42	
3/4 STAR TECK™ XP CABLE FITTING WITH SEALIN	STX075-465S	T&B	11	E1	21	
3/4 STAR TECK™ XP CABLE FITTING WITH SEALIN	STX075-465	T&B	4	E2	24	
SEAKING COMPOUND	SC65	T&B	2	E2	35	
STRAIN RELIEF, 1/2", .625-.750 (RUBBER 3/4)	2525	T/B	5	E2	17	
STRAINRELIEF, 1 1/2", 1.000-1.187 (RUBBER 13/16)	2563	T/B	5	E2	1	
STRAIN RELIEF, 2", 1.625-1.875 (RUBBER 2")	2575	T/B	4	E2	2	
LOCK NUTS 3/4	142-TB	T/B	7	E2	13	
LOCK NUTS 1"	143	T&B	5	E2	4	
LOCK NUTS 1 1/4"	144	T&B	4	E2	3	
LOCK NUTS 2"	146-TB	T&B	5	E2	15	
MEYERS HUB 1/2"	370	T&B	3	E2	8	
MEYERS HUB 1"	372	T&B	1	E2	27	
STRAIGHT CONNECTOR, 2-SCREW, 1/2	3302	T&B	2	E2	5--1	
STRAIGHT CONNECTOR, 2-SCREW, 3/4	3303-C	T&B	17	E2	5--2	
STRAIGHT CONNECTOR, 2-SCREW, 1"	3304	T&B	4	E2	16	
FILLER, KO, 1"	H100	T&B	2	E2	5--6	
REDUCER 3/4"-1/2"	RE 21	T&B	5	E2	7	
REDUCER 1" - 1/2"		T&B	4	E2	1--1	
REDUCER 1 1/4"-1"	RE 43	T&B	1	E2	5	
REDUCER 1 1/2"-1 1/4"	RE 54	T&B	5	E2	12	
REDUCER 2"-1"	RE63	T&B	4	E2	10-Jan	
FITTING SEAL 3/4" (SHAKERS)	424AN-02	BARRX	4	E2	31	

FITTING SEAL,BRASS,EPOXY,1/2"	424UB-02	BARR-UB	4	E2	25	
FITTING SEAL,BRASS,EPOXY,3/4"	424UB-03	BARR-UB	5	E2	26	
UNION 1/2"	UNY 105	CH	4	E2	43	
NIPPLES ELECTRIC CONDUIT 1/2	2" LONG		2	E2	32	
NIPPLES ELECTRIC CONDUIT 1/2	2 1/2" LONG		3	E2	45	
NIPPLES ELECTRIC CONDUIT 3/4	2" LONG		1	E2	44	
KILLART CABLE CONECTOR	1/2" 3/4 NPT		10	E2	45	
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LUG,MECHANICAL, 2/14	ILSCOD8628		5	E3	2	
LUG,MECHANICAL,#6 - #2/0	KA26U	BURNDY	13	E3	34-	
LUG,MECHANICAL	KA-29-U	BURDY	14	E3	33	
LUG,MECHANICAL,300-800MCM	ADR80	BKB	4	E3	31	
LUG,MECHANICAL ,500-1000		PEICA	3	E3	32	
LUG,MECHANICAL DUAL	ADR25-21	T&B	5	E3	36	
WIRE CONNECTOR YELLOW	10-104	T&B	36	E3	40	
WIRE CONNECTOR BLUE	10-608-H	T&B	41	E3	43-	
WIRE CONNECTOR GREY		3M	22	E3	41-	
WIRE CONNECTOR RED			84	E3	42-	
COOPER SPLIT-BOLT SERVICE CONNECTORS	KS23/10-35	14 BURDY 2T	9	E3	4--	
LUG,#44 CRIMP (500MCM) COD 87 - BROWN	54118	T&B	20	E3	25	
LUGS,#4 CRIMP COD 33 BROWN	54/42T-B	T&B	37	E3	24	
LUGS,#1 CRIMP COD 37 GREEN	54148	T&B	13	E3	27	
LUGS,#1/0 CRIMP COD 29 PINK	54109	T&B	2	E3	28	
LUG,#8 CRIMP COD 21 - RED	54130	T&B	2	E3	29	
LUG,#6 CRIMP COD 24 - BLUE	54105	T&B	2	E3	30	
LUG,#4 CRIMP COD 29 - GREY	54106	T&B	38	E3	23	
SPLICE CONNECTORS -WIRE 4-3	24 BLUE	T&B	5	E3	07-	

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RING,STA-KON TERMINAL	18A10X	T&B	56	E3	8	
RING,STA-KON TERMINAL BLUE	14RB10X	T&B	83	E3	12	
RING,STA-KON TERMINAL BLUE	20-104	GB	15	E3	15--	
RING,STA-KON TERMINAL BLUE	14RB-156X	T&B	23	E3	28	
SPLICE,STA-KON TERMINAL BLUE	2RB14	T&B	60	E3	9	
RING,STA-KON TERMINAL RED	18RA-8X	T&B	133	E3	13	
RING,STA-KON TERMINAL RED	RA18-6	T&B	83	E3	10-	
RING,STA-KON TERMINAL RED			300	E3	14--	
RING,STA-KON TERMINAL YELLOW	10RC-8X	T&B	800	E3	31	
FORK,STA-KON TERMINAL YELLOW	10RC-14F	T&B	80	E3	21	
FORK,STA-KON TERMINAL YELLOW	10RC-10FX	T&B	19	E3	19	
PRESSURE,STA-KON TERMINAL YELLOW,FEM	10RC-250F	T&B	130	E3	20	
PRESSURE,STA-KON TERMINAL YELLOW, MAL	2RA18X	T&B	70	E3	22-	
FORK,STA-KON TERMINAL RED	18RA-FX	T&B	163	E3	16-	
CONECTOR CUALXIAL	68150	AMPHENOL	5	E3	36	
CONECTORES CUALXIAL	68175	AMPHENOL	9	E3	37	
		CABINET E				
15 AMP PLUG FEMALE	25W47	WOODHEAD	3	E4	4--2	
15 AMP PLUG MALE	14W47	WOODHEAD	1	E4	4--5	
PLUG 15A 250VOLT	14W49	WOODHEAD	3	E4	46	
CONECTOR 15A 250VOLT	15W49	WOODHEAD	2	E4	47	
CONECTOR 15A 250VOLT	15W47	WOODHEAD	2	E4	48	
PLUG,MALE, 125V, 15A	HBL5266C	PASS & SEYMOUR	6	E4	5--3	
15 AMP 250 V RECEPTACLE	AH5669-NC	ARROWHART	6	E4	5--4	
MOTOR STUB SPLICE INSULATOR	MSC2	T&B	6	E4	7--1	
MOTOR STUB SPLICE INSULATOR	MSC8	T&B	10	E4	7--2	
MODULAR "Y" ADAPTER	40247-001	LEVINTON	7	E4	9--1	
MODULAR CORD COUPLER	40250-1	LEVINTON	3	E4	9--2	

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AC SWITCH	AH1991-C	ARROWHART	3	E5	1--1	
RECEPTACLE 125 V 15 AMP , 2P-3W	HBL 5262	HUBBELL	4	E5	2--1	

RUBBERBOOT,FOR MALE CORD END	HBL6023	HUBBELL	1	E4	3--1	
RUBBERBOOT,FEMALE CORD END	HBL6024	HUBBELL	0	E4	70	
BOOTCOVER TWIST LOCK 3 WIRE CONNECTOR	HBL7440V	HUBBELL	14	E5	3--7	
BOOTCOVER TWIST LOCK 3 WIRE CONNECTOR	HBL7495V	HUBBELL	21	E5	3--7	
EX-PROOF 120V 15A RECEPTACLE	ENR 5151	CH	4	E5	4	
COVER RUBBER FOR BREAKER	5155C62 HOI	CUTLER- HAMMER	9	E5	6--1	
CATH LOCKS (PASADORE DE LAMP)	310		3	E5	13	
MOUNTING RAIL ACCESORIES	1492-N25	ALLEN BRADLEY	4	E5	15--3	

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DESCRIPTION	PART #	MANUFACTURER	QTY	LOCATION	TION	
STARTERS				LOCKER	BIN	
609 SIZE 1, MANUAL STARTER	609 BEW	AB	4	C1	1	
STARTER DSIZE 4, COIL 120V (2da)	509-EOB	AB	1	C1	2	
OVER LOAD, SIZE 3, COIL 120V	509-DO*	AB	1	C1	3	
609-BEW REPAIR KIT, OPERATING MECH. COVE	REN PT	AB	7	C1	4	
OVER LOAD RELAY, SIZE 1, COIL 110V	CR306COO2	GE	2	C1	5	
STARTER, SIZE 1, COIL 120V,	509-BO*	AB	3	C1	6	
MANUAL STARTER	609T-BOW	AB	1	C1	7	
STARTER, SIZE 2, 120V	509-CO	AB	1	C1	8	
STOP/START ASSEMBLY, EX. PROOF	800H -2HA7	AB	1	C1	10	
BUZZER, 120 VOLT	876-N5	EDWARDS	1	C1	11	
CONTACTOR SIZE 1, COIL 120 V	CR305CO**	GE	1	C1	12	
100AMP, 3POLE, 600V	FA36100	SQR D	1	C2	1	
15AMP 3 POLE 600VOLT 250 VDC	FDB3015	CH	1	C2	6	
50AMP 3 POL 600 VAC	EHB3050	CH	1	C2	7	
70AMP, 3POLE	TED136070	GE	1	C2	9	
175A, 3POLE, 240VOLT	TIPO CA	WESH	1	C2	10	
30AMP, 3POLE, 240VOLT	TEB132030	GE	6	C2	11	
30AMP, 3POLE, 240VOLT	TIPO ER	WESH	1	C2	12	
15 A, 600V, 3P	HMCP015EOC	CH	1	C2	13	
30AMP, 3POLE, BOLT-IN 240VAC	BAB3030H	CH	3	C2	14	
60AMP, 3POLE, BOLT-IN 240VAC	BAB3060H	CH	1	C2	14	
PUSH BUTTON	800H-R6B	AB	5	C2	15-1	
PUSH BUTTON	800H-AP2B	AB	2	C2	15-2	
30AMP, 2POLE, PANEL MOUNT	QOU230	SQUARE D	3	C2	16-5	
POWER TERMINAL BLOCK	1492-PD3C141	AB	11	C2	16-6	
CONTROL DE TEMPERATURATIPE 1	837-A	AB	2	C2	16--7	
3P DT 120V 11 PIN	700-HA33A1	AB	13	C2	17-4	
RELAY, 3PDT, 12VDC	700-HA33Z12	AB	4	C2	17-6	
RELAY, 3PDT, 24VDC	700-HA33Z24	A.B.	6	C2	17-7	
RELAY, AB	700-HC14A1	AB	12	C2	17-8	

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W42		AB	3	C2	18	
W44		AB	15	C2	18	
W45		AB	3	C2	18	
W46 - 5,6 AMP		AB	3	C2	18	
W47 - 6,15 AMP		AB	5	C2	18	
W49 - 7,43 AMP		AB	9	C2	18	
W53 - 10,8 AMP		AB	6	C2	18	
W54		AB	0	C2	18	
W55 - ??? AMP		AB	3	C2	18	
W57 - 15,7 AMP		AB	6	C2	18	
W59 - 18,6 AMP		AB	3	C2	18	
W60 - 20,1 AMP		AB	3	C2	18	
W61 - 21,7 AMP		AB	16	C2	18	
W63 - 24,8 AMP		AB	3	C2	18	
W64 - 28,6 AMP		AB	3	C2	18	
W69 - 40,5 AMP		AB	3	C2	18	
W71 - 47,0 AMP		AB	6			
W76 -		AB	3	C2	18	

W77		AB	7	C2	18	
GE OVER LOAD	CR123C630A	GE	15	C2	18	
CUTTLER HAMMER,PK. OF 3	H2008B	CH	1	C15	3	
CUTTLER HAMMER,PK. OF 3	H2006B	CH	2	C15	3	
GE OVER LOAD	CR123C695A	GE	15	C2	18	
SIZE 4 COIL 120 VOLT	CE 236	AB	1	C2	18-1	
SIZE 3 COIL 120 VOLT	CD 236	AB	2	C2	18-2	
SIZE 1 COIL 120 VOLT	CB 236	AB	3	C2	18-3	
SIZE 2 COIL 120 VOLT	CC-236	AB	1	C2	18-4	
GE CONTACTOR COIL 120V	CR15D21G002	GE	3	C2	18-5	
LOCKING ATTACHMENT	800H-N6	AB	5	C2	19-1	
COVER,PADLOCKING	800T-N163	AB	3	C2	19-2	
LOCKING ATTACHMENT	800T-N2	AB	5	C2	19-3	
LOCKING ATTACHMENT	800T-N10	AB	6	C2	19-4	
SELECTOR SWITCH OCKING ATTACHMENT	800T-N4163C	AB	2	C2	19-5	
SELECTOR SWITCH OCKING ATTACHMENT	800T-N4163L	AB	1	C2	19-6	
OVER LOAD RELAY	C306DN3B	CUTLER HAMMER	3	C2	20	
CONTACTOR (COIL 110 V)	CE15AN53AB	CUTLER HAMMER	1	C2	21	
OVER LOAD RELAY,SIZE 4	592-E0V16	A.B.	1	C3	1-1	
LEGEND PLATE, GRAY BLANK	800T-X559	AB	2	C3	1-4	
SMALL PILOT LIGHT 24V TIPE 4,13	800T-QS24	AB	8	C3	1--4	

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RELAYS						
LEGEND PLATE, HAND/OFF/AUTO	800T-X511	A.B.	5	C3	1-4	
LEGEND PLATE, OFF/ON	800T-X529	A.B.	7	C3	1-4	
LEGEND PLATE, START	800T-X547	A.B.	2	C3	1-4	
LEGEND PLATE, STOP	800T-X550	A.B.	2	C3	1-4	
COVER, DUST, BLACK	800H-N5H	AB	1	C3	1	
PILOT LIGHT	800T -Q10	AB	9	C3	1-1	
COVER,DUST, GREEN	800H-N5B	AB	4	C3	1-2	
COVER, DUST, RED	800H-N5A	AB	2	C3	1-3	
LENS, GREEN PILOT LIGHT	800T-N26G	A.B.	6	C3	1-5	
LENS, RED PILOT LIGHT	800T-N26R	A.B.	8	C3	1-6	
LENS, PUSH TO TEST, RED	800T-N41	A.B.	2	C3	1-7	
LENS, PUSH TO TEST, GREEN	800T-N40	A.B.	7	C3	1-8	
MOUNTING RING	800H-N142	AB	2	C3	1-9	
PB CONTACT BLOCK	800T -XA	AB	5	C3	1-10	
SWITCH,PUSHBUTTON, GUARD	800H-NP19	AB	2	C3	1-11	
CONTACT BLOCK	800T-X04	AB	3	C3	1-12	
HEAVY DUTY PUS BUTTON 120V	800HL-QPB10G	AB	9	C3	1-13	
SWITCH, PRESSURE, WATER PUMP	9013FSG2J21	SQUARE D	1	C3	2-1	
BOX, SWITCH WATER PUMP - ROOM	800T-1ZT	AB	1	C3	2-3	
CONTACT KIT	40430-300-51	AB	10	C3	2-4	
PUSHBUTTON	800H-R2B	AB	2	C3	3-1	
PUSH BUTTON, BLACK, WEATHERPOOF.	800T-A2A	AB	1	C3	3-2	
SWITCH SELECTOR	800T-J2	AB	1	C3	3-4	
RENWAL PART TO INFINIT SW (HEAT0	802T	AB	4	C3	3-5	
LIMIT SWITCH	9007C54B2	D EQUARE	4	C3	3-5-1	
LIMIT SWITCH	D4A-2501N	OMRON	2	C3	3-6	
LIMIT SWITCH,PUSH IN	D4A-2511N	OMRON	2	C3	3-7	
MICRO SWITCH	LSA3K	HONEYWELL	1	C3	3-8	
SWITCH,PRESSURE,500-6000 PSI	J6-614	UNITED ELECTRIC	2	C3	3-9	
VALVE, SOLENOID, 3/4", 120V	8210G95	ASCO	4	C3	3-10	
SELENOID VALVE AIR (COIL 24 VDC)	745130113B	PARKER	2	C3	3-11	
LIMIT SWITCH	802T-AP	AB	6	C3	3-12	

GAVINETE CASA DE FUERZA

[illegible]

RIG 738 LAND RIG EQUIPMENT LIST

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PDI Rig No. _____

RIG 738 STANDARD LAND RIG EQUIPMENT DETAILS

A. Land Rig Summary	
CALMENA RIG-738	
Item	
A.1 General	
Rig Name/Number :	CALMENA RIG-738
Rig Type or Model:	TRIPLE, ELECTRIC, SELF SKIDDING, TOP DRIVE
Rig Owner :	CALMENA ENERGY
Year Built/Re-built:	2000-2001
Constructed by:	PRESICION DRILLING, CANADA
Current Location:	Poza Rica Mexico Main Yard
Current Status:	DRILLING FOR PEMEX
Number of Loads:	
- Rig	35 LOADS
- Camp	2 LOADS
Average load size (lbs):	27 ton (59,400 lbs)
Estimated Time:	
- Rig Down	15 HRS
- Rig Up	24 HRS
- Rig move for 15 miles	24 HRS DAY LIGHT
Fuel Consumption: (gal/day)	1050 TO 1800 gal / day
Certification Status:	CURRENT, MAST & SUB FULL MPI SEPTEMBER 2008
Date of last survey including Survey Company:	SEPTEMBER 2008 WESECA
A.2 Operating Capabilities	
Nominal vertical depth rating with 4" drill pipe	12,000 FT WITH 5" PIPE
Maximum Static Hook Load (lbs)	177 ton (390,000 lbs)
Maximum Setback Load (lbs)	159 ton (350,000 lbs)
Maximum Rotary Load (lbs)	177 ton (390,000 lbs)
Maximum Top Drive Load (lbs)	250 ton (550,000 lbs)
Maximum Wind Speed (mph)	100 mph
- with no setback	100 mph
- with maximum setback	84 mph
A.3 Storage Facilities	
Fuel - bbls	154.7 bbls
Drill Water - bbls	410 bbls
Potable Water - bbls	100 bbls (CAMP) NON POTABLE
Active Drilling Fluid - bbls	850 bbls
Reserve Drilling Fluid - bbls	360 bbls
Water for Fire Fighting - bbls	N/A. RIG IS NOT PROVIDED WITH THIS
Bulk Mud - cu.ft	N/A. RIG IS NOT PROVIDED WITH THIS
Bulk Cement - cu.ft	N/A. RIG IS NOT PROVIDED WITH THIS
Covered Sack Storage (sacks)	N/A. RIG IS NOT PROVIDED WITH THIS
Vertical Storage Diesel Tank - if Oil Based Mud - bbls	N/A. RIG IS NOT PROVIDED WITH THIS
Reviewed by: _____	Date: _____

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Skid Unit (Storage of Misc Parts, Hoses, etc)	40 FT LONG WITH 15 FT SECTION COVERED BY TARP
Skid Unit (Storage of Oil, Barrels, Subs, Elevators, Slips, etc.	25 FT LONG (3' Section Subs, 5' Section Drlg Tools, 3 Oil bins 29" x 92" wide, 48" high, rest is for barrels
Sea Can (Storage of Parts)	Main parts storage 45"x8'x9 1/2'
Sea Can (Storage of Parts)	Electrical and other parts storage 24'x8'x9 1/2'
Sling Bin (Storage of Slings, Wire Rope)	Covered with Mesh top and tarp 22' x8' x 7'

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RIG 738 LAND RIG EQUIPMENT LIST

B. General Rig 738 Specifications		
B.1. Mast & Substructure		
B.1.1. Mast		
Make/type :	CASSADY, MODEL CE133-390DR	MAGNAFLUX SURVEY SEPTEMBER 2008
Height - ft :	133 ft	Serial # CE8780M
Width of base - (ft x ft) :	13 ft 6 inches	
Width of top - (ft x ft) :	8 ft X 8 ft	
Static hook load - (lbs) :	390,000 lbs	
- with 14 lines		
- with 12 lines		
- with 10 lines	390,000 lbs	
- with 8 lines	360,000 lbs	
API Gross Nominal Capacity - (lbs) :		
With rated set-back - (lbs) :		
With no set-back - (lbs) :		
Hanging weight of blocks and top drive - (lbs):	24,000 lbs	
Explosion proof lights: y/n	Y	
Ladders with cages: y/n	N	
Derrick cameras: y/n, locations	N	
Inertia reel (climbing assistant)	Y	2 COUNTERWEIGHTS & 1 STATIC LINE
B.1.2. Racking platform (monkey board)		
Make/type :	CASSADY	MAGNAFLUX SURVEY SEPTEMBER 2008
Racking platform capacity of drill pipe : Size/No.	5" 12,000 ft	
Racking platform capacity of drill collar : Size/No.	7" 10 STANDS	
Racking platform capacity of drill collar : Size/No.		
Adjustable range	3 ft	
B.1.3. Casing Stabbing Platform		
Make/type:	N/A	RIG IS NOT PROVIDED WITH ONE
Adjustable range:		
Adjustable mechanism:		
B.1.4. Travelling Block Guide System		
Make:	N/A	RIG IS NOT PROVIDED WITH ONE
Type:		
B.1.5. Substructure		
Make/type :	CASSADY	Serial # CE8780S
Height -(ft) :	14 ft	MAGNAFLUX SURVEY SEPTEMBER 2008
Width - (ft) :	14 ft	ADD 4 FT IF MOVED WITH LIFTING JACKS
Static setback capacity - (lbs) :	350,000 lbs	
Casing load capacity - (lbs) :	390,000 lbs	
Setback and rotary simultaneous maximum capacity - (lbs) :	740,000 lbs	350 K Setback + 390 K Hookload Simultaneously
Clear height below rotary table beams - (ft):	12.5 ft	
Substructure footprint - (ft x ft) :	54 ft X 18 ft	INCLUDES LIFTING JACK WIDTH
Catwalk - ft :	58 ft X 9 ft	
Skidding capability: y/n	Y	
Rated skidding capacity - lbs :	350,000 lbs	NOT INCLUDING MAST
Skidding system description:	HYDRAULIC, BEAM AND SKID	
Matting / type (describe):	25 FT X 9 1/2FT	WOOD / STEEL, ROLLER TYPE
Number of Mats	38 Mats	
B.1.5. a Pony Substructure		
Make/type :	N/A	
Height - ft :		
Width - ft :		
Static setback capacity - lbs:		
Rotary load capacity - lbs:		
Maximum operating capacity - lbs:		
Substructure footprint - ft x ft :		
B.1.6. Rig floor winches		
Make :	PULLMASTER	FLOOR WINCHES
Quantity :	2 EACH	
Type :	PL8 HYDRAULIC	
Capacity & S.W.L. - lbs :	8000 lbs	

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Wire diameter - inches :	9/16"	
Automatic brakes :	YES, HYDRAULIC	
Automatic spooling :	NO	GENERALLY SELF SPOOLING
Make :	PULLMASTER	BOOMLINE WINCHES
Quantity :	1 EACH	
Type :	PL5 HYDRAULIC	
Capacity & S.W.L. - lbs :	5000 LBS	
Wire diameter - inches :	1/2"	
Automatic brakes :	YES, HYDRAULIC	
Automatic spooling :	NO	GENERALLY SELF SPOOLING
Make :		
Quantity :		
Type :		
Capacity & S.W.L. - lbs :		
Wire diameter - inches :		
Automatic brakes :		
Automatic spooling :		
B.1.7. Monkey board work winch	N/A	
Make :		
Quantity :		
Type :		
Capacity & S.W.L. - lbs :		
Wire diameter - inches :		
Automatic brakes :		
Automatic spooling :		
B.1.8. Rig floor 'man-riding' winch		
Make :	INGERSOLL RAND	
Quantity :	ONE	
Type :	FASOKGI-MR12-1-EH	Serial #KG007931
Capacity & S.W.L. - lbs :	10,000 lbs	
Wire diameter - inches :	3/8"	
Automatic brakes :	YES, AIR	
Automatic spooling :	N	GENERALLY SELF SPOOLING
Dedicated for only man-riding: y/n	Y	
B.1.9. Utility winch (ie. catwalk, sub-base winch)		
Make :	PULLMASTER	
Quantity :	1 EACH	
Type :	PL8 HYDRAULIC	
Capacity & S.W.L. - lbs :	8000 lbs	
Wire diameter - inches :	9/16"	
Automatic brakes :	YES, HYDRAULIC	
Automatic spooling :	NO	GENERALLY SELF SPOOLING
Location(s):	END OF CATWALK.	
B.1.10 BOP Hoist and Trolley		
Make:	ROSTEL	
Type:	HYDRAULIC RAMS TO 1" CABLE	
BOP storage:	NO	
Capacity & S.W.L. - lbs :	22,000 lbs	
B.2 Drawworks and Associated Equipment		
B.2.1. Drawworks		
Make/type :	EMSCO D2	Serial # 55
Rated capacity - HP :	750 HP	
Input power continuous - HP :	640 HP	
Drum type :	LEBUS GOOVED	
Drum diameter - inches:	20 "	
Groove lebus for line size:	1-1/8"	
Line guide make / type:	N/A	
Spinning cathead make / type :	HYDRAULIC RAM, ROSTEL	
Breakout cathead make / type :	HYDRAULIC RAM, ROSTEL	
Blocks safety device type / model	CROWN-O-MATIC(ORBIT)	
Additional block safety device (ie. KEMS):		
Brake type :	MANUAL, LEVER, DRUM ON BAND	
Maximum Line Pull 10 lines - lbs :	415,040 lbs	
Maximum Line Pull 8 lines - lbs :	344,740 lbs	

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B.2.2. Drawworks power		
Number of electric motors :	ONE	
Electric motor make :	G.E. 752 D.C. MOTOR	Traction Motor Sitting in Poza Rica Warehouse to be repaired
Electric motor model :	G.E. 752 D.C. MOTOR	
Maximum input power continuous - HP :	1000 HP	
B.2.2.1 Drawworks Transmission		
Make/type :	EMSCO	
Number of speeds	2 SPEED	
Number of gears	3 GEARS + REVERSE	
Max. pull capacity in 1 gear - lbs	415,040 lbs LO CLUTCH	115,830 lbs HI CLUTCH
Max. pull capacity in 2 gear - lbs	268,270 lbs LO CLUTCH	75,000 lbs HI CLUTCH
Max. pull capacity in 3 gear - lbs	168,960 lbs LO CLUTCH	46,980 lbs HI CLUTCH
Max. pull capacity in 4 gear - lbs		
Max. pull capacity in 5 gear - lbs		
B.2.3. Auxiliary brake		
Make/Type :	PARMAC	HYDROMATIC
Model :	V-80	
Cooling Water System:	YES	
- type	WATER	FROM MAIN WATER TANK
- size		
Independent Battery Back-Up: y/n	N	
B.2.4. Automatic Drilling System		
Make:	N/A	RIG IS NOT PROVIDED WITH THIS
Type:		
B.2.5. Catheads		
Make/Type:	HYDRAULIC, ROSTEL	
Break Out (ft/lbs):	60,000 ft/lbs	
Make up (ft/lbs):	40,000 ft/lbs	
B.2.6. Drilling Line Spooling Device (drilling line guide)		
Make/Type:	N/A	RIG IS NOT PROVIDED WITH THIS
Deadline Stabilizer:		
B.2.7. Sand Line Drum		
Make/Type:	N/A	RIG IS NOT PROVIDED WITH THIS
Rated Capacity:		
Wire line (length x size):		
Depth Indicator:		
Spooling Device:		
- Make		
B.3. Hoisting Equipment		
B.3.1. Crown block		
Make/type :	CASSADY ENG.00-6-8780	
Rated capacity - lbs :	605,000 lbs	Serial # PD-322
No. of sheaves :	6, EACH	
- diameter - inches	5 @ 36" + 1 @ 48"	
- groove size(s)- inches	1-1/8"	
Fixed point to attach electric logging pulley (capacity):	N/A	
Crown block safety device:	CROWN O MATIC	
- make	N/A	
- type	N/A	
- bumper at crown-block with safety slings	Y	
B.3.2. Travelling block		
Make/type :	AMERICAN. 5-36-275	
Rated capacity - lbs :	605,000 lbs	
No. of sheaves :	5 EACH	
Diameter of sheaves:	36"	
Groove size(s):	1-1/8"	
Date of last magnaflux survey:		
B.3.3. Hook		
Make/type :	N/A	RIG IS NOT PROVIDED WITH THIS
Rated capacity - lbs :		
Date of last magnaflux survey:		
Reviewed by:	N/A	RIG IS NOT PROVIDED WITH THIS

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PDI Rig No. _____

Make/type :		
API Rated bearing capacity - lbs :		
Comparative dead load - lbs :		
Test/working pressure - psi :		
Connection:		
Goose neck / wash pipe equipped with quick opening: size - inches		
Date of last magnaflux survey:		
B.3.5. Kelly Spinner	N/A	RIG IS NOT PROVIDED WITH THIS
Make/Type:		
Right and Left Torque:		
Sub connections:		
B.3.6. Elevator Links		
Make / type:	BJ	
Quantity:	1 PAIR	
Size (width x length):	2-3/4" X 108"	
Rated capacity:	350 ton (770,000 lbs)	
Date of last magnaflux survey:	SEPT 09-2008	
B.3.6. Elevator Links		
Make / type:	CANRIG 275 ton	
Quantity:	TWO	
Size (width x length):	2-1/2" X 60" LONG	
Rated capacity:	275 ton	
Date of last magnaflux survey:	SEPT 09-2008	
B.3.7. Drilling line		
Size - inches :	1-1/8"	
Make/Type:	UNION WIRE ROPE	PLASTIC COATED
Breaking strength - lbs :	105,200 lbs	
Length - ft :	7500 ft	
Spare reel: y/n	N	50 % USED
B.3.8. Dead line Anchor		
Make/type :	ROSTEL, CABLE CLAMP X 4	
Load rating - lbs :	450,000 lbs - 45,000 lbs SINGLE	LINE
Weight sensor make / type :	N/A	
- calibration		
Date of last magnaflux survey:		
B.3.9. Tension Load Sensor		
Make/Type:	AMERICAN OIL TOOLS	DIAPHRAM TYPE
Calibration:	SEPT 13-2005	
B.4 Rotary System		
B.4.1. Rotary table	N/A	RIG IS NOT PROVIDED WITH THIS TABLE IS NOT DRIVEN
Make/type :		
Drive: (independent or driven from drawworks)		
- Motor HP (if independent)		
Maximum opening - inches :		
Static load rating - lbs :		
Rotating load rating - lbs :		
Rated power - HP :		
Maximum continuous torque - ft-lbs :		
Soft torque rotary system :		
Maximum rotary speed (RPM) :		
Emergency chain drive :		
Drip pans or mud collection system: y/n		
B.4.2. Master bushings		
Make/type :	ROSTEL	
Solid or Hinged/Split type with locking device:	27-1/2" SOLID, PIN DRIVE	
Accessories (insert bowls):	YES #1	
B.4.3. Kelly drive bushing	N/A	TOP DRIVE ONLY
Make/type :		
Size :		
Lock down assembly :		
Drive type:		
Equipped for kelly type x size:		
Accessories (pipe wipers, etc)		

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B.4.4. Kelly bushing safety guard		N/A	
Make/type :			
B.4.5. Casing Bushing and Bowls			
Make / type:		Arco	
Accessories:			
Insert Bowls:		#1, # 2 AND # 3 INSERT BOWLS	
B.4.6. Top drive			
Make & Type :		CANRIG 6027E-939	Serial # 169
Electric or hydraulic:		ELECTRIC	
Rated capacity - lbs :		605,000 lbs	
Test/working pressure - psi :		5000 psi	
Remote operated kelly cock :		YES	
If driven by electric motor:		YES	
Make & Type :		GE 761 SERIES	
Rated power - HP :		600 HP CONTINUOUS	
Rated torque - ft/lbs :			
- continuous torque		24,500 ft/lbs	
- intermittent torque		30,000 ft/lbs	
Maximum rotary speed (RPM) :		130 RPM	
- low gear			
- high gear			
Number of gears:		NO GEARS	
Pipe handler - make / model:		CANRIG 6027E-939	
Make-up / Break-out torque - ft/lbs:		24,000 / 30,000 ft/lbs	
Mudline diameter - inches :		3-1/2"	
Refer to Pictures:			
Dog House			
Length		No Plate	Dog House has Rig Flood Lights Inside
Width			
Height			
Serial or ID Number			
Refer to Pictures			
Mechanic Shop / Tool Room			
Length			
Width			
Height			
Serial or ID Number			
Refer to Pictures			
Change Room / Electrical Shop			
Length		42'	
Width		8'	
Height		8'	
Serial or ID Number		738-28	
Refer to Pictures			
Warehouse Number 1 (Skid Mounted)			
Length		40'	
Height		8'	
Serial or ID Number		738-29	
Refer to Pictures			
Warehouse Number 2 (Skid Mounted)			
Length		40'	
Height		8'	
Serial or ID Number		CHN/XH4596	
Refer to Pictures			
Premix Tank			
ID Number : 738-07			
Capacity: BBL			
Mixing Pump			
Make:			
Model:			
Size:			
Serial Number:			
Pump Drive Motor			
Make:			

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Model:		
Serial Number:		
HP Rating:		
Agitators		
Quantity:	3	Missing 3 Electrical Motors
Make:		
Model:		
Type:		
Size:		
Serial Number:		
Refer to Pictures		
Junk Basket (Skid Mounted)		
ID Number: 738-19		
Length		
Width		
Height		
Refer to Picture		

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RIG 738 LAND RIG EQUIPMENT LIST

C. Power Supply Systems		
C.1 Rig Power Plant		
C.1.1. Prime Movers		
Quantity :	TWO	Serial #s 4AW00421,4AW00422
Make :	CATERPILLAR	
Type :	3512-B	
Continuous output power available HP each engine :	1477 HP	
Equipped with spark arrestors: y/n	N	
Mufflers installed: y/n	Y	
Water injectors on engine exhausts: y/n	N	
Quantity :	ONE	Serial # 2HW00157
Make :	CATERPILLAR	
Type :	3508-B	
Continuous output power available HP each engine :	914 HP	
Equipped with spark arrestors: y/n	N	
Mufflers installed: y/n	Y	
Water injectors on engine exhausts: y/n	N	
C.1.2. AC- Generator		
Quantity :	2	Serial #s 14178-02,ID# PD-966
Make :	Kato	
Type :	27098	
Continuous output power available HP each generator :	1644	
Output ratings:		
- kVa	1750	
- kW	1225	
- Volts	347/600	
- Power Factor (PF)	0.7	
Insulation class:	F	
Cycles:	60	
Quantity :	1	Serial # 14177-03
Make :	Kato	
Type :	27099	
Continuous output power available HP each generator :	1074	
Output ratings:		
- kVa	1143	
- kW	800	
- Volts	347/600	
- Power Factor (PF)	0.7	
Insulation class:	F	
Cycles:	60	
		Ross Hill Model 1000, RHC Job # 6409
C.1.3. SCR system		
Number of SCR bays :	4	PLC - Allen Bradley
Make :	Ross Hill Controls	
Type :	1000	
Emergency shut-down device:	YES	
Ground defect detection on the AC & DC network:	YES	
Cable trays above ground level :	YES	
C.1.4. AC Transformer system		
Quantity :	1	
Make :	Rex Manufacturing	
Type :	ANN	
kW:	No data	
Output ratings:		
- kVa:	500	
- Volts:	480Star	
Input ratings:		
- kVa:	500	
- Volts:	600Star	
Frequency (Hz) :	60	
Quantity :	2	

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PDI Rig No. _____

Make :	Rex Manufacturing	
Type :	ANC	
kW:	No data	
Output ratings:		
- kVa:	30	
- Volts:	208 Star / 120	
Input ratings:		
- kVa:	30	
- Volts:	600 Delta	
Frequency (Hz) :	60	
C.1.5. DC Power System		
Quantity :	3	
Make :	General Electric DC motor	
Type :	GE 752	
Rated ... HP at ... RPM	1000 HP	
Insulation class:	H	
Environment protection:	No data	
C.1.6. Emergency Shutdown		
Emergency shutdown switches for the complete power system	1	
(AC & DC) located at the following locations:	Driller console	
C.1.7. Rig service air system		
Air Compressors - High Pressure:		
Quantity	2	Serial #s 08L006,08K088
Make	SULLIVAN PALATEK	
Model	25D4J-TE	Located In Generator #3 Building.
Rated capacity		
Working pressure - psi		
Prime mover (electric/diesel)	ELECTRIC 25 HP MOTOR	Missing Cooling Radiator
Continuous power		
Air dryers		
Quantity		
Make/Type		
Rated Capacity		
Air Compressors - Low Pressure (rig air):		
Quantity	1	
Make	LEROI	
Model	660A	
Rated capacity	37.2 CFM	
Working pressure - psi	200 psi @ 300F	
Prime mover (electric/diesel)	ELECTRIC 10 HP MOTOR	
Continuous power	7.5 HP	
Air dryers		
Quantity	ONE	
Make/Type	VAN AIR SYSTEMS, DESSICANT	
Rated Capacity - psi	200 psi @ 300F	
C.2 Camp Power Plant		
C.2.1. Prime Mover		
Quantity :	ONE	Serial # 4ZR06848
Make :	CATERPILLAR	
Type :	3406-C	Rebuilt : 10-6-2010
Continuous power - HP :	438 HP	
Volt:	600 Volt	
Frequency:	60 Hz	
C.2.2. AC- Generator		
Quantity :	1	
Make :	Caterpillar	
Model :	SR4B	
ARR Number	129-1478	
Serial Number:	9DR03725	
Output volts (Volts) :	465 KVA	
Hertz	60	
Reviewed by: Power	RIG NOT EQUIPPED WITH THIS	Date: _____

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C.3.1. Engine	RIG NOT EQUIPPED WITH THIS	
Quantity:		
Make:		
Model:		
Rated ... HP at ... RPM		
Starter mechanism (automatic, manual, air/hydraulic):		
Location:		
C.3.2. AC Generator	RIG NOT EQUIPPED WITH THIS	
Quantity :		
Make :		
Type :		
Continuous power - HP :		
Output volts (Volts) :		
Power Factor (PF):		

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RIG 738 LAND RIG EQUIPMENT LIST

D. Drill String / Handling Tools		
D.1 Drill String		
D.1.1. Drill Pipe		
OD/ID body (inches)	4"	
Quantity jts.:	198	
Estimated total length - ft		
Grade:	G-105	
Weight - lbs/ft :	15.7	
Range:	3	
Type of connection	4FH	
API Class:	N/A	
Tool joint OD (inches)	5-1/4"	
Tool joint ID (inches)	2-1/4"	
Type of hard banding	TCS TI Raised	
Internal Plastic Coated:	TUBOSCOPE TK-34P	
Pin and Box Protectors:	YES	
Drill Pipe Screens:		
Date of Purchase:		
Manufacturer:		
Last Inspection / Standard of Inspection:		
D.1.2. Drill Pipe Pup Joints		
OD/ID body (inches)	4	
Quantity jts.:	6	
Estimated total length - ft	2 x5', 2 x10', 2 x15'	
Grade:	N/A	
Weight - lbs/ft :	15.7	
Range:	N/A	
Type of connection	NC40	
API Class:	N/A	
Tool joint OD (inches)	5-1/4"	
Tool joint ID (inches)	2-1/4"	
Type of hard banding		
Internal Plastic Coated:		
Pin and Box Protectors:	YES	
Drill Pipe Screens:		
Date of Purchase:		
Manufacturer:		
Last Inspection / Standard of Inspection:		
D.1.3. Hevi-Wate Drill Pipe		
Quantity:	21	
OD/ID body inch	4"	
Estimated total length - ft :	31'	
Grade:	55 KSI	
Weight - lbs/ft :	29.7	
Range:	2	
Type of connection	NC40	
API Class:		
Tool joint OD (inch)	5-1/4"	
Tool joint ID (inch)	2-9/16"	
Type of hard banding	TCS Ti Raised	
Internal Plastic Coated:		
Pin and Box Protectors:		
Drill Pipe Screens:		
Date of Purchase:		
Manufacturer:		
Last Inspection / Standard of Inspection:		
D.1.4. Drill Collars		
1) Size OD/ID body (inch)	8"	
Quantity :	2	
Type of connection:	6-5/8" Reg	

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Weight (lbs/ft):	149.7	
Range:	2	
Slick or Spiral:	Spiral	
Slip and/or elevator access:	Slip	
Stress relief:		
Pin and box protectors:	Yes	
Boreback on box:	Yes	
Date of Purchase:	26/03/2009	
Manufacturer:	NOV Prideco	
Last Inspection:		
2) Size OD/ID body (inch)	6-1/2"	
Quantity :	13	
Type of connection:	NC46	
Weight (lbs/ft):	91.7	
Range:	2	
Slick or Spiral:	Spiral	
Slip and/or elevator access:	S and E access	
Stress relief:		
Pin and box protectors:	Yes	
Boreback on box:	Yes	
Date of Purchase:	22/10/2008	
Manufacturer:	Vam Drilling	
Last Inspection:		
3) Size OD/ID body (inch)	4-3/4"	
Quantity :	12	
Type of connection:	NC38	
Weight (lbs/ft):	48	
Range:	2	
Slick or Spiral:	Spiral	
Slip and/or elevator access:	Slip	
Stress relief:		
Pin and box protectors:	Yes	
Boreback on box:	Yes	
Date of Purchase:	22/10/2009	
Manufacturer:	Smith Services	
Last Inspection:		
D.1.7. Upper Kelly Cock		
Make/Type:		
Quantity:	2	
Size OD/ID body: inch		
Working pressure / test pressure:		
Connections upper/lower:		
D.1.8. Lower Kelly Cock		
Make/Type:	M&M Comb LWCV / Saver Sub	
Quantity:	3	
Size OD/ID body: inch		
Working pressure / test pressure:		
Connections upper/lower:		
Available Xovers for DC:		
D.1.10. Mud Saver Valve		
Make/Type:		
Quantity:		
Size OD/ID body: inch		
Working pressure/test pressure:		
Connections:		
D.1.11 Bit Subs		
Quantity:	2	3 1/2" IF Box -3 1/2"Reg Box
Length, OD, ID:	.92,4.75,2.375	
Bored for float valve:	Yes	
Date of last inspection:		
Quantity:	2	4 1/2" XH Box- 4 1/2"Reg Box
Length, OD, ID:	.93,6.5,3.5	
Bored for float valve:	Yes	
Reviewed by:		Date: _____

Approved by: _____

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Date of last inspection:		
Quantity:	2	6 5/8" Reg Box- 6 5/8"Reg Box
Length, OD, ID:	1.00,8,4.75	
Bored for float valve:	Yes	
Date of last inspection:		
D.1.12 Cross-Overs		
Quantity:	2	4 1/2 XH Box - 6 5/8"Reg Pin
Length, OD, ID:	.88,6.5x8,2.875	
Special Xover:		
Date of last inspection:		
Quantity:	2	4" FH Box- 3 1/2" IF Pin
Length, OD, ID:	.89,5.25x4.75,2.25	
Special Xover:		
Date of last inspection:		
Quantity:	2	4" FH Box - 4 1/2" XH Pin
Length, OD, ID:	.88,5.25x6.5,2.75	
Special Xover:		
Date of last inspection:		
Quantity:	2	3 1/2" IF Box - 4 1/2" XH Pin
Length, OD, ID:	.89,4.75x6.5,2.375	
Special Xover:		
Date of last inspection:		
D.1.13 Float Valves		
Make and model:	Baker -5F-6R,4R,2F-3R	
Type:	Flapper	
Size:	5F-6R,4R,2F-3R	
Quantity:	1 2 3	
D.1.17 Drill Pipe Circulating Head		
Make/Type:		
Quantity:	ONE	
Bottom Connection:	4" FH	
Top Connection:	2" NPT	
Range Size:		
D.2 Handling Tools		
D.2.1. Elevators - Drill Pipe		
Make/Type:	NS Model 7462E	
Capacity:	250 Ton	
Size Range:	3 1/2"- 5"	
Quantity:	2	
Date of last magnaflux survey:		
D.2.2. Manual Slips - Drill Pipe		
Make/Type:	Varco Model SDXL	
Capacity:		
Quantity:	2	
Date of last magnaflux survey:		
D.2.3. Elevators - Drill Collars		
Make/Type:		
Capacity:		
Size Range:		
Quantity:		
Date of last magnaflux survey:		
D.2.4. Manual Slips - Drill Collar		
Make/Type:	Dencon Model LDC	
Capacity:		
Quantity:	3	
Date of last magnaflux survey:	May-09	
D.2.6. Safety Clamps		
Make/Type:	Varco Model MP-R	
Reviewed by:		Date: _____

Approved by: _____

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Quantity:	TWO	
Size range:	4"-7", 6"-10 1/2"	
Date of last magnaflux survey:	Sep-08	
D.2.7. Drill Collar Lifting Subs		
Size:	4"	
Connection:	6 5/8" Reg, 4 1/2"XH, 4"FH, 3 1/2"IF	
Quantity:	2 2 2 4	
Date of last magnaflux survey:		
D.2.8. Mud Saver Bucket		
Make/Type:		
Sizes of drill pipe inserts:		
Size of discharge hose:		
Oil proof packing:		
Return to flow line:		
D.2.9. Manual Rotary Tongs (DP, DC, and Casing)		
Make/Type:	BVM Model DB	S/N 24879-1A, S/N 24879-1B
Quantity:	2	
Jaw assemblies x size range:	3 1/2"- 17	
Torque indicator:	On Drillers Panel	
Date of last magnaflux survey:	Nov-11	
D.2.10 Hydraulic Make-up/Beakout Machine (e.g. Ezy Torque)		
Make/Type		RIG NOT SUPPLIED WITH THIS
Maximum linepull		
D.2.11. Spinning Wrench		
Make/Type:	Using Jan / 2012	
Model	Model 950 Hyd. S/N 589	(SPINMASTER - HAWK) - Finns Model 950-P (old)
Size range:	2 7/8"- 9 1/2"	
D.2.13 Bit Breaker Plates		
Quantity for bit sizes:		
D.2.14 Bit Gauges		
Quantity for bit sizes:		
D.2.16 Automated Pipe Handler/ Hydraulic Catwalk		
Make/Type:	MD Cowan	
Pipe handling range (inches):		
Capacity:		
Hydraulic power pack:	Yes	
D.3.12. Crossovers		
		RIG NOT SUPPLIED WITH THIS
D.3.12. Pipe Racks and Pipe Tubs		
Pipe Tubs 50 FT - Storage & Transport of Tubulars	50' Tubs	(3) for transport of R III tubulars.
Quantity:	3 tubs	
Pipe Tubs 35 Ft- Storage & Transport of Tubulars	35' Tub	(1) for transport of R II tubulars.
Quantity:	1 tub	
Pipe Racks (Normal Duty) 28FT	2 SETS	One set with blocks to level to matting height
Quantity	4 Racks	
Pipe Racks (Heavy Duty - Extra Bracing) 40 FT	1 SET	
Quantity	2 Racks	
Pipe Racks (Heavy Duty - Extra Bracing) 30 FT	1 SET	
Quantity	2 Racks	
Pipe Rack for Derrick (Heavy Duty)	1 RACK (Not a set)	
Quantity	1 Rack	

Reviewed by: _____

Date: _____

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RIG 738 LAND RIG EQUIPMENT LIST

E. Well Control Equipment		
E.1 BOP Stack		
E.1.0. Diverter		
Quantity :		RIG NOT SUPPLIED WITH THIS
Make :		
Type :		
Size (inch) :		
WP (PSI) :		
Connection top/bottom :		
Height:		
Closing system:		
Fitted with accumulator bottle for stripping :		
Number of Outlets:		
Diverter line size:		
Transportation skid:		
H2S Service:		
Date of last OEM inspection:		
E.1.1. Low Pressure BOP Equipment		
a.1) Annular		
Quantity :	1	TM 9012-11-5B
Make :	TOWNSEND	S/N 8/N 1218-61
Type :	TYPE 90	
Size (inch) :	11"	
WP (PSI) :	5000 LB	
Connection top/bottom :	Flanged	
Height:	42"	
Closing system:		
Fitted with accumulator bottle for stripping :	No	
Transportation skid:	No	
H2S Service:	Yes	
Date of last OEM inspection:	2009	
a.2) Annular		
Quantity :		
Make :		
Type :		
Size (inch) :		
WP (PSI) :		
Connection top/bottom :		
Height:		
Closing system:		
Fitted with accumulator bottle for stripping :		
Transportation skid:		
H2S Service:		
Date of last OEM inspection:		
b.1) Ram type Preventer		
Quantity :	1	S/N 11045582.01
Make :	ECTIPSA	
Type :		
Single/double :	DOUBLE	
Size (inch) :	11"	
WP (kPa) :	10 K	
Side outlets:		
- Quantity:	4	
- Size:	4"	
- Working pressure:	10 K	
Connection top/bottom :	Bolted	
H2S Service:	YES	
Height:	33"	
Number / size of pipe rams:	1 X 4"	
Number of blind rams:	1 X Blind	
Lock mechanism :		
Reviewed by: _____		Date: _____

PDI Rig No. _____

Handwheels for manual locking:		
Transportation skid:		
Date of last OEM inspection:	2009	
b.2) Ram type Preventer		
Quantity :		
Make :		
Type :		
Single/double :		
Size (inch) :		
WP (kPa) :		
Side outlets:		
- Quantity:		
- Size:		
- Working pressure:		
Connection top/bottom :		
H2S Service:		
Height:		
Number / size of pipe rams:		
Number of blind rams:		
Lock mechanism :		
Handwheels for manual locking:		
Transportation skid:		
Date of last OEM inspection:		
c) Drilling Spool (Mud Cross)		
Quantity :	1	
Size (inch) :	11" X 5000LB	
WP (kPa) :	5000PSI	
Side outlets:		
- Quantity:	2	
- Size:	3- 1/8"	
- Working pressure:	5000LB	
- Connections type:	FLANGED	
Connection top/bottom :	11" X 5000LB	
H2S Service:	Y	
Height:	24"	
Date of last OEM inspection:	2009	
d) Adapter Spools		
Quantity :		
Size (inch) :		
WP (kPa) :		
Connection top/bottom:		
H2S Service:		
Height:		
Date of last OEM inspection:		
e) Choke Lines		
Quantity:	1	
Make/Type:	TAURUS	
Diameter (OD/ID):	3"	
Working Pressure:	5000 PSI	
H2S Trimmed:	NO	
Adapter between ram-type BOP outlet and the first upstream valve:		
f) Remoted Actuated Valves		
Quantity:	1	
Make/Type:	Actuador de choke PASON	
Diameter (OD/ID):	3-1/8"	
Working Pressure:	5000PSI	
H2S Trimmed:		
g) Kill Lines		
Quantity:	1	
Make/Type:	Midwest Hose / Coflex	
Diameter (OD/ID):	2-1/2" X 2"	
Working Pressure:	5000PSI	
H2S Trimmed:		
Possibility to connect emergency kill line outside hazardous zone		
Adapter between ram-type BOP outlet and the first upstream valve:		
Reviewed by Kill Line available: y/n		Date: _____

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h) Manual Valves		
Quantity:	1	
Make/Type:	OIL FIELD VALVE	
Diameter (OD/ID):	3-1/8"	
Working Pressure:	5000PSI	
H2S Trimmed:	N/A	
i) Hydraulic Valves		
Quantity:	1	
Make/Type:	OIL FIELD VALVE	
Diameter (OD/ID):	3-1/8"	
Working Pressure:	5000PSI	
H2S Trimmed:		
j) Check Valves		
Quantity:	1	
Make/Type:	Oil Field Valve	
Diameter (OD/ID):	3-1/8"	
Working Pressure:	5000PSI	
H2S Trimmed:		
c) Drilling Spool (Mud Cross)		
Quantity :	1	
Size (inch) :	11" X 5000PSI	
WP (kPa) :	5000PSI	
Side outlets:	3-1/8"	
- Quantity:	2	
- Size:	3-1/8"	
- Working pressure:	5000PSI	
- Connections type:	Flanged	
Connection top/bottom :	11" X 5000PSI	
H2S Service:		
Height:		
Date of last OEM inspection:		
d) Adapter Spools		RIG NOT SUPPLIED WITH THIS
Quantity :		
Size (inch) :		
WP (PSI) :		
Connection top/bottom:		
H2S Service:		
Height:		
Date of last OEM inspection:		
e) Choke Lines		
Quantity:	1	
Make/Type:	Taurus	
Diameter (OD/ID):	3"	
Working Pressure:	5000PSI	
H2S Trimmed:	No	
Adapter between ram-type BOP outlet and the first upstream valve:		
f) Remoted Actuated Valves		
Quantity:	1	
Make/Type:	Actuador de choke PASON	
Diameter (OD/ID):		
Working Pressure:	3-1/8"	
H2S Trimmed:	YES	
g) Kill Lines		
Quantity:	1	
Make/Type:	Midwest Hose / Coflex	
Diameter (OD/ID):	2-1/2" X 2"	
Working Pressure:	5000PSI	
H2S Trimmed:	YES	
Possibility to connect emergency kill line outside hazardous zone		
Adapter between ram-type BOP outlet and the first upstream valve:		
G-1 - Emergency Kill Line available: y/n		
Reviewed by:		Date: _____

Approved by: _____

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PDI Rig No. _____

Quantity:	3	
Make/Type:	Oil Field Valve	
Diameter (OD/ID):	3-1/8"	
Working Pressure:	5000PSI	
H2S Trimmed:	YES	
h) Manual Valves		
Quantity:		
Make/Type:		
Diameter (OD/ID):		
Working Pressure:		
H2S Trimmed:		
i) Hydraulic Valves		
Quantity:	1	
Make/Type:	Oil Field Valve	
Diameter (OD/ID):	3-1/8"	
Working Pressure:	5000PSI	
H2S Trimmed:	YES	
j) Check Valves		
Quantity:	1	
Make/Type:	Oil Field Valve	
Diameter (OD/ID):	3-1/8"	
Working Pressure:	5000PSI	
H2S Trimmed:	YES	
k) BOP Rams		
Quantity:	1	
Size / Type:	4"	
Working Pressure:	5000PSI	
Quantity:	1	
Size / Type:	Blind	
Working Pressure:	5000PSI	
E.2 BOP Control System		
E.2.1. Accumulator unit		
Make :	EQUIPMENT CONTROL SYSTEMS	
Model :	590A-2APLC	
Serial No. :	170900	
Location :	GENERATOR BUILDING #2	
Reservoir capacity litre (gal)	800 LITERS (211 USG)	
No. of stations:	FIVE	
No. of bottles/banks installed	8 X 15 US GAL	
Total bottle capacity litre (gal)	57 LITER 15 U.S. GAL	
Bottle working pressure (psi)	1160 psi PRECHARGE PRESS	
Control manifold model :	ECS	
Low (pressure / reservoir level or rig air pressure) audible alarm y/n	NO	
Location :		
E.2.2. Triplex pumps		
Quantity :	ONE	
Make :	UNION	
Model :	TX-10	
Each driven by motor of HP	15 HP.	
Flow rate of pump (gal)	UNKNOWN	
At max. operating pressure (psi)	3000 psi	
E.2.3. Air pumps		
Quantity :	TWO	
Make :	STEWART / STEVENSON	
Model :	S8550	
Flow rate of each pump gallons :	UNKNOWN	
At max. operating pressure (psi)		
E.2.4. Driller's control panel		
Make :	ELECTRONIC CONTROL SYSTEMS	
Model :	PLC-BAR-R-5	
Serial No. :	200-900	
Reviewed by system pressure audible and visual alarm y/n	NO	Date: _____

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Low reservoir level audible and visual alarm y/n	NO	
Low rig air pressure audible and visual alarm y/n	NO	
Pressure regulator for bag	YES	
Control for by-pass valve	YES	
E.2.5. Remote control panels		
Make :	ELECTRONIC CONTROL SYSTEMS	
Model :	PLC-BAR-R-5	
Serial No. :	N/A	
Flow Meter counter:	NO	
Location :	MECHANICS SHOP,OUTSIDE	
Accessibility:	YES	
E.2.6 BOP Control Fluid		
Make:	OIL	
Type:	ISO 68	
E.3.1. Choke manifold		
Make :	Oil Field Valve	
Size inch	3-1/8"	
Working Pressure (psi)	5000PSI	
H2S service y/n	YES	
Number of independent choke line inlets:	2	
Connections to Poor Boy Degasser, Flare Lines:		
Quantity of gate valves :	4	
Make/model :	Oil Field Valve	
Size inch	3-1/8"	
Working pressure:	5000PSI	
Quantity of gate valves :		
Make/model :		
Size inch		
Working pressure:		
Quantity of manual adjustable chokes :	1	
Make/type :	Oil Field Valve	
Diameter:	3-1/8"	
Working Pressure (psi)	5000PSI	
Possibility to transform into a positive choke:		
Quantity of positive chokes :		
Make/type :		
Diameter:		
Working Pressure kPa (psi)		
Quantity of hydraulic chokes :	1	
Make/type :	Oil Field Valve	
Diameter:	3-1/8"	
Working Pressure (psi)	5000PSI	
Power choke remote control panel y/n :	YES	
Make/type :	Oil Field Valve	
Location:	DOGHOUSE / RIG FLOOR	
Description:	AIR OVER HYDRAULIC	
Possibility to replace by an adjustable choke:	YES	
Pressure gauges	YES	
Annulus: pressure & range	5000 psi 100 psi INCREMENTS	
Stand pipe: pressure & range	5000 psi 100 psi INCREMENTS	
Glycol injection pump y/n		
Make/type :		
Buffer Chamber		
Working pressure:		
Date of last OEM inspection of entire system:		
E.3.2. Hydraulic Test Pump		
Make :	NOT AVAILABLE	RIG NOT SUPPLIED WITH THIS
Model :		
E.3.3. Test stumps for BOP testing		
Location :	NOT AVAILABLE	RIG NOT SUPPLIED WITH THIS
Complete with cup type test tools y/n		
Quantity:		
Make / Type:		
Connections:		
Cups available:		
Working Pressure:		
Reviewed by:		Date: _____

Approved by: _____

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BOP Test Mandrels:		
Fittings:		
E.3.4. Flare Lines		
Quantity:	1	
Length:	100'	
Size:	4" & 6"	
Working pressure:		
Facilities:		
Air:		
Water:		
Location:		
E.3.5. Flare Ignition System		
Make:	INFLUX	
Type:	ELECTRIC / PROPANE	
Location:	TOP OF FLARE STACK	
No. of igniter panels:	1	
- Make/type:	CMS INTERNATIONAL	
No. of propane pilots:	1	
- Locations:	TOP OF FLARE STACK	
Diesel drip pan system for ignition system:		
- Description:		
E.3.6. Flare Tank		
Capacity	100 BIs	
Dimensions		
- Height (ft)	6 FT	
- Wide (ft)	6 1/2 FT	
- Length (ft)	16 FT	

Reviewed by: _____

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Approved by: _____

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RIG 738 LAND RIG EQUIPMENT LIST

F. Mud System		
F.1 High Pressure Mud System		Comments
F.1.1. Mud pumps		
a) Mud pumps (triplex)		
Quantity:	2 EACH	Serial #s CD05-99,CD10-99
Make :	BPMP	
Model :	BSF-1000	
Power rating / pump (HP):	1000 HP	
Mud pump driven by motors: no./type	GE MODEL 752 DC MOTOR	
Continuous power rating of each motor: HP	1000 HP	
Rated pump speed: (spm)	120 SPM	
Bore and stroke:	10 INCH STROKE.X 5 1/2 BORE	
Working flowrate / pump: gallons	MAX = 558 GPM	
Maximum pump pressure: psi (kPa)	5000 psi	
Maximum pressure at maximum flow rate: (psi)	2370 psi	
Equipped with :		
- Pump stroke counter: make/type	HONEYWELL, LSA3K MICRO SW.	
- Liner sizes available		
- size (inch):	5.5" & 6"	
- type:	MISSION	
- Supercharging pump: make / type	HALCO 2500 SERIES	
- Independently driven by motor HP	50 HP	
- Type:	WESTINGHOUSE	
- Pressure relief valves		
- make / type / no. / pressure rating	OTECO 3550 2 EACH 5000 psi	
- Discharge pulsation dampeners	2 EACH	
- make / type	NATIONAL OILWELL	
- Suction pulsation dampeners		
- make / type	AIRBAG TYPE	
- Pressure gauges	2 EACH	
- make / type / no. / range	WAGNER LIQUID FILLED 5000 psi	
Refer to Pictures		
F.1.2. Discharge Lines		
Inside Diameter:	3"	
Working / test pressure:	5000 psi	
Screen on each pump outlet:	YES	
F.1.3. Rotary hoses		
Quantity:	1 EACH	
Diameter (ID / OD):	3" X 4"	
Make:	GOODALL	
Type: (fire resistant / stainless steel / heavy armor)	RUBBER STEEL BRAID	
Working and test pressures:	5000 psi MAX	
API standard:		
F.1.4. Stand Pipe Manifold		
Working / test pressure:	5000 psi	
Stand Pipe		
- Quantity / ODxID	1 EACH. PART 5" PART 4"	IN PROCESS OF MODIFYING TO 5"
- Working / test pressure:	5000 psi	
Valve		
- Make:	DEMCO	
- Type:	5" GATE TYPE DM	
- Number:	ONE	
- Size:	5"	
- Working / test pressure:	5000 psi	
Bleed off choke / size:	2" X 5000 psi OTECO	
Kill line and connections:	2" X 5000 psi OTECO c/w 1502	
Connection for cementing unit:	NO	
Gauges		
- Make:	WAGNER	
- Type:	LIQUID FILL	
- Number:	1 EACH.	

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- Pressure range:	0-5000 psi	
F.1.5. High Pressure Lines	NOT AVAILABLE	RIG NOT SUPPLIED WITH THIS
Quantity:		
Size:		
Working pressure:		
F.1.6. Kill Line Manifold (between pumps & wellhead)		
Quantity:	ONE	
Size:	3"	
Working pressure:	5000 psi	
F.1.7. Casing Fill-up Device		
Description:	TOP DRIVE	
Capacity:	PUMP CAPACITY	
F.1.8. Bell Nipple		
Quantity:	2	
Size:	16" & 11"	
F.2 Low Pressure Mud System – Tanks		
F.2.1 Mud tank system		
a) Active mud tanks		
Quantity :	TWO	
Total capacity: bbls / m3	1415 bbls	
Number of compartments:	8 EACH	
Description/Capacity No. 1: bbl	192 bbls	
Description/Capacity No. 2: bbl	162 bbls	
Description/Capacity No. 3: bbl	162 bbls	
Description/Capacity No. 4: bbl	55 bbls	
Description/Capacity No. 5: bbl	174 bbls	
Description/Capacity No. 6: bbl	211 bbls	
Description/Capacity No. 7: bbl	62 bbls	
Description/Capacity No. 8: bbl	32 bbls	
Mud agitators		
- Quantity :	6 EACH	
- Make :	SEW EURODRIVE	
- Model :	R87FA	
- Driven by motor of HP	7.5 HP	
Low / high pressure mud guns:	LOW	
Bottom / surface guns: y/n	Y	
Industrial water line installed:	Y	
Diesel / fuel line installed:	N	
Dump valves / type:	HAMMER	
Connection to mixing circuit:	STEEL LINE	
Capacity degasser tank: bbls		
Refer to Pictures		
b) Reserve tanks		
Quantity :	ONE	
Total capacity: bbl	478 bbls	
Dimensions (ft)	58' X 11' X 10'	
Number of compartments:	THREE	
Description/Capacity No. 1: bbl	150 bbls	
Description/Capacity No. 2: bbl	150 bbls	
Description/Capacity No. 3: bbl	150 bbls	
Mud agitators		
- Quantity :	THREE	
- Make :	SEW EURODRIVE	
- Model :	R87FA	
- Driven by motor of HP	7.5 HP	
Low / high pressure mud guns:	LOW	
Bottom / surface guns: y/n	YES	
Industrial water line installed:	YES 2"	
Diesel / fuel line installed:	NO	
Dump valves / type:	HAMMER	
Connection to mixing circuit:	STEEL LINE	
Easiness of access to the top for handling / repair:	3' X 3' HINGED LID EACH COMP.	
Capacity degasser tank: bbl		
Reviewed by:		Date: _____

Approved by: _____

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c) Water tanks		
Quantity :	ONE	
Total capacity: bbl	410 bbls	
Dimensions ft	23' X 9' X 12'	
Description/Capacity No. 1: bbl		
Description/Capacity No. 2: bbl		
Description/Capacity No. 3: bbl		
Refer to Pictures		
d) Brine tanks		
Quantity :	NOT AVAILABLE	RIG NOT SUPPLIED WITH THIS
Total capacity: bbl		
Dimensions ft		
Description/Capacity No. 1: bbl		
Description/Capacity No. 2: bbl		
Description/Capacity No. 3: bbl		
F.2.2 Pill tank		
Quantity :	ONE	
Description/Capacity No. 1: bbl	50 bbls	
Description/Capacity No. 2: bbl	N/A	
Number of compartments:	ONE	
Mud agitators		
- Quantity :	ONE	
- Make :	SEW EURODRIVE	
- Model :	R87FA	
- Driven by motor of HP	7.5 HP	
Low / high pressure mud guns:	ONE LOW PRESSURE GUN	
Bottom / surface guns: y/n	BOTTOM	
Industrial water line installed:	NEARBY	
Diesel / fuel line installed:	NO	
Dump valves / type:	HAMMER	
Connection to mixing circuit:	STEEL LINE	
Refer to Pictures		
F.2.3 Trip tank		
Total capacity: bbls	32 bbls	
Dimensions:		
- Height (ft)	6'	
- Wide (ft)	3'	
- Length (ft)	10'	
Level indicator make/type :	MANUAL	
Read-out location / accuracy:	RIG FLOOR 95%	
Electric pump make :	WESTINGHOUSE	
Model/type :	HALCO 1180	
Motor output HP	10 HP	
Impeller diameter:	10"	
Refer to Pictures		
F.2.4 Stripping tank		
Total capacity: bbl	NOT AVAILABLE	RIG NOT SUPPLIED WITH THIS
Equalising facility with trip tank y/n		
Transfer pump y/n		
F.2.5 Mixing pumps		
Quantity :	2 EACH	
Make/Model :	HALCO 2500 6 X 8 X 14"	
Driven by motor rpm x HP	75 HP X 1785 RPM	
Refer to Pictures		
F.2.6 Mud mixing hoppers		
Quantity:	TWO	
Make/Model :	SHEAR	
Shear mix?: y/n	Y	
Location:	1 ON PREMIX. 1 ON SUCTION	
Feed pump make :		
Type/size centrifugal pump :	HALCO 2500 6 X 8 X 14"	
Driven by electric motor of rpm x HP	75 HP X 1785 RPM	
Connections with:		
- Active tanks: (y / n)	Y	
Reviewed by:	Y	Date: _____

Approved by: _____

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- Pill tank: (y / n)	Y	
- Desander / desilter tank: (y / n)	Y	
Availability of Big bag mixing hopper: y/n	N	
Refer to Pictures		
F.2.7 Transfer pumps	USE MIXING PUMPS	
Quantity for mud tanks :		
Quantity for water tanks :		
Make/Model :		
Type :		
Driven by motor type		
Power output HP		
Impeller diameter:		
F.2.8 Chemical mixing tank	NOT AVAILABLE	RIG NOT SUPPLIED WITH THIS
Quantity :		
Description/Capacity bbl		
Chemical mixer type :		
F.2.9 Caustic Mixing Unit		
Quantity :	TWO	
Type :	MANUAL	
F.3 Low Pressure Mud System – Process Equipment		
F.3.1 Shale shaker		Note: 3 Shakers + 1 Shaker for Desilter = 4 total
Quantity :	3 EACH	#3 S/N 90680537, #2 S/N 90680538
Make :	BRANDT	#1 S/N 90680536, #4 S/N 90690535 Mud Cleaner
Type :	LCM-2D	
Size screens (in stock):	NOT AVAILABLE	THIRD PARTY PROVIDES
Driven by No. of electric motors :	2 EA	
Combined Max. flowrate: bbl per min	800 bbls	DEPENDS ON THE MUD
Open / closed type flowline:	CLOSED	
Feed flowline size:	10"	
Motion:	LINEAR	
Refer to Pictures		
F.3.2 Desander	NOT AVAILABLE	
Make / type:		
Cones:		
- Quantity:		
- Type:		
- Diameter:		
Rate ... gpm at ... psi		
Type/size centrifugal pump :		
- Driven by electric motor of rpm x HP		
- Impeller diameter:		
Max. flowrate: bbls per min		
Min. operating pressure with unweighted muds PSI		
F.3.3. Desilter		
Make / type:	BRANDT LCM-2D	
Cones:		
- Quantity:	20 EACH	
- Type:		
- Diameter:	3"	
Rate ... gpm at ... psi		
Max. flowrate: bbls per min		
Range of screen sizes in stock:	NOT AVAILABLE	THIRD PARTY PROVIDES
Type/size centrifugal pump :	HALCO 2500 SERIES 8" X 6"	
- Driven by electric motor of rpm x HP	1785 RPM X 60 HP	
- Impeller diameter:	14"	
Refer to Pictures		
F.3.4. Mud Cleaner	NOT AVAILABLE	RIG NOT SUPPLIED WITH THIS
Make / type:		
Cones:		
- Quantity:		
- Type:		
- Diameter:		
Rate ... gpm at ... psi		
Max. flowrate: bbls per min		

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Range of screen sizes in stock:		
Type/size centrifugal pump :		
- Driven by electric motor of rpm x HP		
- Impeller diameter:		
F.3.5. Mud/gas separator (poor boy)		
Make/type :	ROSTEL ?	
API specification: y/n	YES	
Design and Installation:	ROSTEL ?	
Minimum diameter ID inch	4"	
Gas discharge line OD inch	10"	
Gas discharge line running to :	FLARE TANK	
Working pressure:		
Height between inlet and outlet:	16 FT	
Pressure gauge fitted / location:	NO	
Height of mud seal:	6 FT	
Refer to Pictures		
F.3.6. Vacuum Degasser		
Make :	Tuboscope Brandt	
Type :	DG-ATM Atmospheric	
Maximum capacity:	600 GPM	
Type/size centrifugal pump :		
- Driven by electric motor of rpm x HP	1750 RPM X 10 HP	
- Impeller diameter:		
Driven by electric motor of HP		
Discharge line running to :		
Vacuum pump make :		
- Type / HP:		
Refer to Pictures		
F.3.7. Cellar pump		
Quantity :	1 EACH	
Make (e.g. Flygt) :	FLYGT	
Type / HP:	3127.180.0180231 @ 10 HP	
Capacity bbl/min:	23 bbls/min	
Inlet pipe:	SCREENED	
Out put / discharge pipe:	6"	
F.3.7. Cellar pump		
Quantity :	2 EACH	
Make (e.g. Flygt) :	FLYGT	
Type / HP:	2102.141 @ 8 HP	
Capacity bbl/min:	16 bbls/min	
Inlet pipe:	SCREENED	
Out put / discharge pipe:	4"	
F.3.8. Mud Centrifuge		
Make:	NOT AVAILABLE	RIG NOT SUPPLIED WITH THIS
Type:		
Quantity:		
Size of processing tank:		
Processing capacity: gpm		
Capable of running in barite recovery and low solids removal mode:		
F.4 Mud Laboratory – Equipment and Chemicals		
Manufacturer:	RIG NOT SUPPLIED WITH THIS	
Dimension:		
Electrical Supply:		
Water & Sink:		
Mud balance, marsh funnel:		
F.5 Bulk System		
	NOT AVAILABLE	RIG NOT SUPPLIED WITH THIS
F.5.1 Mud Hopper		
Quantity		
Make/Model		
Feed pump make/model		
Capacity		
Shearing Hopper	NOT AVAILABLE	RIG NOT SUPPLIED WITH THIS
Reviewed by: _____		Date: _____

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Make/Model		
Feed pump make/model		
Capacity		
Quantity		
Capacity of each silo		
Locations		
Type weight loadcell		
Manufacturer		
Pressure rating		
Relief valve(s) installed: y/n		
Big Bag Hopper	NOT AVAILABLE	RIG NOT SUPPLIED WITH THIS
Quantity		
Make/Model		
Feed pump make/model		
Capacity		
Quantity		
Capacity of each silo		
Locations		
Type weight loadcell		
Manufacturer		
Pressure rating		
Relief valve(s) installed: y/n		
F.5.2 Cement Silos	NOT AVAILABLE	RIG NOT SUPPLIED WITH THIS
Quantity		
Capacity of each silo		
Locations		
Type weight loadcell		
Manufacturer		
Pressure rating		
Relief valve(s) installed		
Separate mud/cement loading facilities: y/n		
Discharge line for cement independent from		
barite/bentonite discharge line: y/n		
F.5.3 Surge Tank for Barite/Bentonite		
Quantity	NOT AVAILABLE	RIG NOT SUPPLIED WITH THIS
Capacity of each tank		
Type weight loadcell		
Manufacturer		
Pressure rating		
Relief valve(s) installed: y/n		
F.5.4 Surge Tank for Cement		
Quantity	NOT AVAILABLE	RIG NOT SUPPLIED WITH THIS
Capacity of each tank		
Type weight loadcell		
Manufacturer		
Pressure rating		
Relief valve(s) installed: y/n		
F.5.5 Bulk Transfer System	NOT AVAILABLE	RIG NOT SUPPLIED WITH THIS
Independent air system for the silos and surge tanks consisting of a high-volume low-pressure compressor and air drier: y/n		
- Compressor make/type:		
- volume & working pressure:		
Air reduced from main air supply through pressure regulators: y/n		
Separate air receiver and drier: y/n		
- if yes, make / type:		
- if yes, capacity:		

Reviewed by: _____

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RIG 738 LAND RIG EQUIPMENT LIST

G. Casing/Cementing		
G.1 Casing/Cementing Equipment		
G.1.1 Casing Side Door Elevators		
Quantity	ONE	
Make/Type	AOT Model SLX	
For casing OD	5 1/2"	
Capacity	150 Ton	
Quantity	ONE	
Make/Type	Varco Model SLX	
For casing OD	7"	
Capacity	150 Ton	
G.1.2 Casing Single Joint Elevators	NOT AVAILABLE	RIG NOT SUPPLIED WITH THIS
Quantity		
Make/Type		
For casing OD		
Capacity		
G.1.3 Casing slips		
Quantity	TWO	
Make/Type	CMX-L Arco	
For casing OD	5" TO 7"	
Capacity	150 ton	
G.1.4 API Casing Drifts	NOT AVAILABLE	RIG NOT SUPPLIED WITH THIS
For casing OD, weight, quantity		
G.1.5 Clamp-On Type Casing Thread Protectors	NOT AVAILABLE	RIG NOT SUPPLIED WITH THIS
For casing OD, quantity		
G.1.6 Slip Type Elevator/Spiders	NOT AVAILABLE	RIG NOT SUPPLIED WITH THIS
Quantity		
Make/Type		
Pneumatic/Manual		
Capacity		
With slips for OD casing sizes		
G.1.7 Casing Bowls	NOT AVAILABLE	RIG NOT SUPPLIED WITH THIS
Quantity		
Make/Type		
For OD casing (max/min)		
G.1.8 Manual Casing Tongs	NOT AVAILABLE	RIG NOT SUPPLIED WITH THIS
Quantity (sets)		
Make/Type		
With jaws for OD casing (max/min)		
G.1.9 Power Casing Tongs	NOT AVAILABLE	RIG NOT SUPPLIED WITH THIS
Quantity		
Make/Type		
W/jaws for OD casing (max/min)		
Max output torque		
Torque indicator		
Back-up arm		
G.1.10 Power Unit For Casing & Tubing Tongs	NOT AVAILABLE	RIG NOT SUPPLIED WITH THIS
Quantity		
Driven by electric motor		
G.1.11 Casing Circulating Head (Swedge)		
For OD casing	10 3/4"	
Connection type	BCN	

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G.1.11 Casing Circulating Head (Swedge)		
For OD casing	7 1/2"	
Connection type	BCN	
G.1.11 Casing Circulating Head (Swedge)		
For OD casing		
Connection type		
G.1.11 Casing Circulating Head (Swedge)		
For OD casing		
Connection type		
G.1.12 Casing Spears (Internal)	NOT AVAILABLE	RIG NOT SUPPLIED WITH THIS
Quantity		
Make/Type		
For OD casing		
For casing weight		
Pack-off		
G.1.13 Casing Cutters (Internal)	NOT AVAILABLE	RIG NOT SUPPLIED WITH THIS
Quantity		
Make/Type		
For OD casing (max/min)		
G.1.14 Crossover to Handle Casing with Drill Pipe	SEE G.1.11	
Quantity		
For OD casing		
Casing connection		
Drill pipe connection type		
Rated capacity		
G.1.15 Casing Scrapers	NOT AVAILABLE	RIG NOT SUPPLIED WITH THIS
Quantity		
Make		
For OD casing		
For casing weight		
OD body		
Connection type		
G.2 Cementing Equipment		
G.2.1 Cement Unit	NOT AVAILABLE	RIG NOT SUPPLIED WITH THIS
Make/Type		
No. of triplex pumps		
Maximum working pressure		
Maximum flowrate		
Unit powered by (electric/diesel)		
Recirculating mixing system		
Capacity		
Motor power HP		
Liquid additive system		
Premix/batch tank		
Quantity		
Capacity		
Pressure recorder		
Densimeter recording device		
G.2.2 Cementing Manifold	NOT AVAILABLE	RIG NOT SUPPLIED WITH THIS
Discharge manifold working pressure		
Cement pump discharge lines min. ID		
Cement pump discharge lines working pressure		
G.2.3 Cement Kelly	NOT AVAILABLE	RIG NOT SUPPLIED WITH THIS
Quantity		
Nominal size OD		
Total length		
Working length		
Connection type		
Cement head		
Reviewed by: _____		Date: _____

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G.2.4 Cementing Tubing	NOT AVAILABLE	RIG NOT SUPPLIED WITH THIS
Size		
Length (total)		
X-overs to drillpipe specified in Section Dill string D.1.1		

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RIG 738 LAND RIG EQUIPMENT LIST

H. Instrumentation		
H.1 Drilling Instrumentation		
H.1.1. Tong Torque Indicator		
Quantity:	1 ONLY	
Make:	CONTROL DRILLING SERVICES	
Type:	LOAD CELL	
Torque range (ft/lbs.):	0-20,000 ft/lbs	
Recorder and reading:	1 ONLY	
Range & unit:		
Location:	DRILLERS PANEL	
H.1.2. Weight Indicator		
Make/Type:	AOI, CLIPPER STYLE	
Range & unit:	0-400,000 lbs	
H.1.3. Penetration Rate Indicator		
Make/Type:	NOT AVAILABLE	RIG NOT SUPPLIED WITH THIS
Range & unit:		
Location:		
H.1.4. Mud Pump Pressure Gauges		
Quantity:	3 EACH	
Make/Type:	WAGNER LIQUID FILLED	
Range & unit:	0-5000 psi	
Location:	DRILLER PANEL & PUMP MOUNT	
H.1.5. Pump Stroke Indicator		
Quantity:	TWO	
Make/Type:	ROSS HILL	
Cumulative:	NO	
Recorder and reading:	DIGITAL	
Location:	DRILLERS CONSOLE	
H.1.6. Rotary Tachometer		
Quantity:	ONE	
Make/Type:	CANRIG	
Selection top drive / rotary:	NO	NO ROTARY TABLE
Recorder and reading:	DIGITAL	
Location:	CANRIG PANEL	
H.1.7. Rotary Torque Indicator		
Quantity:	ONE	
Make/Type:	CANRIG	
Range & unit:	0-50,000 ft/lbs	
Recorder and reading:	ANALOG	
Location:	CANRIG PANEL	
H.1.8. Pit Volume Totalizer		
Number of pits equipped:	NOT AVAILABLE	RIG NOT SUPPLIED WITH THIS
Make/Type:		
Recorder and reading:		
Gain / loss alarm:		
Location:		
H.1.9. Mud Flow Indicator in Mud Line		
Make/Type:	NOT AVAILABLE	RIG NOT SUPPLIED WITH THIS
Recorder and Reading:		
Alarm type:		
Location:		
H.1.10 Mud Density Indicator		
Make/Type:	NOT AVAILABLE	RIG NOT SUPPLIED WITH THIS
Recorder and Reading:		
In/Out:		

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Alarm / type:		
Location:		
H.1.11. Trip Tank Indicator		
Make/Type:	RIG CONSTRUCTION	
Recorder and Reading:	COUNTERWEIGHT	
In/Out:	YES	
Accuracy:	CLOSE	
Location:	RIG FLOOR	
H.1.12 Standpipe Pressure Gauges		
Quantity	NOT AVAILABLE	RIG NOT SUPPLIED WITH THIS
Make/Type		
Pressure range		
H.1.13 Choke Manifold Pressure Gauge		
Quantity	NOT AVAILABLE	RIG NOT SUPPLIED WITH THIS
Make/Type		
Pressure range		
H.1.14. Drum Chart Recorders		
Quantity:	NOT AVAILABLE	RIG NOT SUPPLIED WITH THIS
Make/Type:		
Parameters recorder:		
Number of lines:		
Location:		
H.1.15. Drilling Parameter Recorder		
Quantity:	NOT AVAILABLE	RIG NOT SUPPLIED WITH THIS
Location - 1		
Location - 2		
Make/Type		
Quantity of pens		
Parameter recorded		
Parameter recorded		
Parameter recorded		
Parameter recorded		
Parameter recorded		
Parameter recorded		
Parameter recorded		
Parameter recorded		
H.1.16. Automatic Driller		
Make/Type:	NOT AVAILABLE	RIG NOT SUPPLIED WITH THIS
H.2. Deviation Equipment		
H.2.1 Measuring Device		
Quantity	NOT AVAILABLE	RIG NOT SUPPLIED WITH THIS
Make/Type		
Deviation range		
H.2.2 Wireline Winch		
Make/Model	NOT AVAILABLE	RIG NOT SUPPLIED WITH THIS
Wire length (nominal)		
Depth counter		
Wire size		
Pull indicator		
H.3. Rig Communication System		
H.3.1 Telephone System / Intercom System		
No. of stations:	EIGHT	
Make/Type:	PANASONIC EMSS	
Explosion proof: y/n	Y (ON RIG)	
No. of stations:		
Make/Type:		
Explosion proof: y/n		
H.3.2 Telephone System / Satellite Communication		
Reviewed by:	GENERAL RIG CELLULAR CONN	Date: _____

Approved by: _____

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H.3.3 Public Address System	NOT AVAILABLE	RIG NOT SUPPLIED WITH THIS
Can be combined with above: y/n		
Make/Type:		
Explosion proof: y/n		
H.3.4 Drill Floor - Derrickman's Talkback (For Intercom System)		
No. of stations:	TWO	
Location:	DRILLER CONSOLE	
Location:	MONKEY BOARD	
Location:		
Make/Type	ATKINSON DYNAMICS	
Explosion proof: y/n	YES	
H.3.5 Hand-Held 2-Way Radios	NOT AVAILABLE	RIG NOT SUPPLIED WITH THIS
Quantity		
Make/Type		
Explosion proof: y/n		

Reviewed by: _____

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RIG 738 LAND RIG EQUIPMENT LIST

K. Mobile Camp and Portacabins		
K.1. Rig Camp		Comments
K.1.1. Company's Accommodation		
Total Number of Beds:		
Number of Skid Mounted Caravans:		
1 bedrooms in each:		
2 bedrooms in each:		
4 bedrooms in each:		
Number of Communal WCs:		
Number of Communal Showers:		
Number of Galleys:		
Number of Mess Halls and Seating:		
Number of Recreation Rooms and Facilities:		
Details of Hospital / Sick Bay:		
Waste Disposal System: y/n		
Description:		
K.1.2. Contractor's Accommodation		
Total Number of Beds:	3	
Number of Skid Mounted Caravans:	2 TRAILERS	
1 bedrooms in each:		TOOLPUSH TRAILER
2 bedrooms in each:		MECHANIC/ELECTRICIAN
4 bedrooms in each:		
Number of Communal WCs:	3	
Number of Communal Showers:	3	
Number of Galleys:	2	
Number of Mess Halls and Seating:	8	
Number of Recreation Rooms and Facilities:	2	
Details of Hospital / Sick Bay:	NONE	
Waste Disposal System: y/n	Yes	
Expat Accommodation Trailer - Kitchen Area		
Description:	Kitchen and living area	
Refrigerator: y/n	Yes, 2	
Coffee machine: y/n	Yes	
Tool Push Accommodation Trailer - Kitchen Area		
Description:	Kitchen and living area	
Refrigerator: y/n	Yes	
Coffee machine: y/n	Yes	
Tool Push Accommodation Trailer - Office Area		
Computer y/n		
- Make / type:		Located at Poza Rica Office
Laser Jet Printer (Printer, scanner, copier, fax): y/n		
- Make / type:		Located at Poza Rica Office
K.2.3. Dressing Barracks		
Complete with showers:	CREW CHANGE ROOM	
Complete with toilets:	NO	
	NO	

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RIG 738 LAND RIG EQUIPMENT LIST

L. Fire Prevention & Safety Equipment		
L.1. Detection and Alarms		
(Please indicate if following systems are a single unit with multiple modules or stand alone systems)		
L.1.1. Combustible Gas Detection		
Description:	Multi Gas Detector-Biosystem Inc	
Type & Location of sensors:	Portable	
Type & Location of alarms:	Portable	
Alarm setting range:	O2 (20.9%), LEL (50%), H2S (25ppm), CO2	
Type & Number of explosimeters:	PhD Plus Atmospheric Monitor / N° 27882	
	Suitable for use in hazardous locations Class 1	
L.1.2. Fire Detection		
Smoke and heat detectors:	Nortron and others Makes	
Alarms:	22 Fire Detection with Alarm Systems	
Type and Location of sensors:	Inside each Trailer Camp	
L.1.3. H2S Gas		
Type of fixed detectors:	NOT AVAILABLE	RIG NOT SUPPLIED WITH THIS
Number and location of detectors:		
Number and location alarms:		
Alarm setting range:		
L.1.4. Make & Type of Portable Detectors		
Smoke and heat detectors:	NOT AVAILABLE	RIG NOT SUPPLIED WITH THIS
Alarms:		
Location of sensors:		
L.2. Safety Equipment		
L.2.1. Personnel Protective Equipment		
Clothing, hard-hats, boots, gloves, ear plugs, etc:	Yes (all of them)	
Individual safety lights:	1 Emergency Safety Lights in SCR	
Derrick safety line (make/type):	1 Retractable fall Protection System & 2 Torpedos	
Number of safety harnesses:	4 Individual safety harnesses	
Escape lines:	1 line 1/2" GERONIMO	
Ear plugs dispenser:		
Quantity:	2	
Location:	Dog House / Generator Buildings	
L.2.2. Breathing System		
Canister masks for evacuation (H2S & Hydroc):	NOT AVAILABLE	RIG NOT SUPPLIED WITH THIS
Number available:		
Stock of cartridges:		
Self-contained breathing sets:	CSA Standard CAN3-Z180, 1M85	
Quantity:	4 sets	
Make/Type:	SCOTT /MSA	
Duration capacity: (30 min.)	YES	
Air recharging system:	NO	
Quantity:		
Make/Type:		
Duration capacity: (10 min.)		
Air recharging system:		
Central air compressed unit & number of facemasks:	N/A	
Means of escape (type/number/location):	N/A	
Location of primary briefing area:	Entrance to Location	
Location of secondary briefing area:	Area of Comedor	
Wind Indicators Visible at Night:	YES	
L.3. Fire Protection Equipment		
L.3.1. Fire Pump		
Make/type:	NOT AVAILABLE	RIG NOT SUPPLIED WITH THIS
Quantity:		
Capacity / Output: gpm		
Driven by:		
- HP:		
L.3.2. Fire Points		

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Location:	NOT AVAILABLE	RIG NOT SUPPLIED WITH THIS
Hose length:		
Nozzle type:		
L.3.3. Water Tank		
Quantity:	RIG WATER TANK ONLY	
Capacity:		

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RIG 738 LAND RIG EQUIPMENT LIST

O. Other Rig Enhancements		
Please detail any other rig enhancements		
HYDRAULIC CATWALK.	CASSADY CONSTRUCTION.	
	LOAD LIMIT 10,000 LBS	
	Raises and lowers tubulars from rig	
	floor to catwalk, kickers kick pipe to	
	pipe racks	
PORTABLE LIGHT TOWERS (2)		
SUB MOVE BASE	Base fits on truck to transport sub	
CROWN STAND WITH DRILLING LINE SPOOL	Crown stand hinges to fold for transport	

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N. Miscellaneous Equipment		
N.1.1. Welding Equipment		
Electric Welding Machine		
Make / Type:	NOT AVAILABLE	RIG NOT SUPPLIED WITH THIS
Power:		
Quantity:		
Portable: y/n		
Oxy-Acetylene Cutting Machine:		
Make / Type:		
Quantity:		
Portable: y/n		
N.1.2. Workshop and Repair Facilities (Mechanic / pump shops)		
Mechanical Workshop:	TOOLHOUSE	
Facilities:		
N.1.3. Sewage Treatment Unit		
	NOT AVAILABLE	RIG NOT SUPPLIED WITH THIS
Make:		
Model:		
Capacity:		
N.1.4. Hydraulic Cutter for Wireline		
Manufacturer:	PELL, HYDROSHEAR	
Wire Cutting Range:	3/4" TO 1-1/8"	
N.1.5. High Pressure Wash Down Unit		
Make:	HAWK 500 SERIES	
Model:	500 SERIES	
Number of wash guns:	FOUR	

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Rig 738

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	NUMERO DE PARTE	MINIMOS	MAXIMOS	QTY FISICA	U/M	LOCACION	UBICACION	MAQUINAS
kit de reparacion drillpipe float valve	16014300			2	CAJAS	YARD AGUA FRIA	SEACAN ALMACEN	
kit de reparacion 4r float check valve	16014000			2	CAJAS	YARD AGUA FRIA	SEACAN ALMACEN	
baffle plate de 4 1/2 api reg ring	w/t791703			3	CAJAS	YARD AGUA FRIA	SEACAN ALMACEN	
baffle plate 6 5/8 api reg pin	w/t791705			5	CAJAS	YARD AGUA FRIA	SEACAN ALMACEN	
repair kit drill pipe float valve metal 4 r	16013400			2	CAJAS	YARD AGUA FRIA	SEACAN ALMACEN	
repair kit metal model G drillpipe float check valve 5f-6r	16013700			2	CAJAS	YARD AGUA FRIA	SEACAN ALMACEN	
totco spider 3 1/2 api regular	w/t791702			1	CAJAS	YARD AGUA FRIA	SEACAN ALMACEN	
filtro de aceite	Bw5137			6	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
filtro de aceite	Bt223			6	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
filtro de aceite	Pf 59			1	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
filtro de aceite	hf 6553			1	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
filtro de aire	A1519c			1	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
drill pipe float valve 5f-6r				1	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
drill pipe float valve 4R				2	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
drill pipe float valve 2f-3 R				1	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
cam lock couplings type D 2" HEMBRA				6	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
Cam lock couplings 2" macho type f				4	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
cam lock couplings 2" hembra type c				3	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
cam lock couplings de 4" type f				2	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
cam lock couplings de 4" type D				1	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
Conexión rapida macho de bronce de 2"				1	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
cam lock couplings de 1" type E				1	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
niple para manguera de 4"				2	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
niple para manguera de 4" con rosca exterior				7	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
niple para manguera de 3" con rosca exterior				3	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
niple para manguera de 2" con rosca exterior				3	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
niple para manguera de 2"				4	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
clavos azules #20 500 psi				380	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
clavos rojos #20 850 psi				270	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
clavos gris #30				80	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
clavos negros #50				260	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
clavos naranjas #60				240	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
pistones de 5 1/2"	1502058			8	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
pistones de 6"	1502060			10	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
T DE ALTA DE 4"				8	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
T DE ALTA DE 2"				10	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
T DE ALTA DE 1 1/2"				10	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
T DE ALTA DE 1"				17	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
T DE ALTA DE 3/4"				9	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
T DE BAJA DE 1"				1	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
T DE BAJA DE 3/4"				2	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
CODO DE 90° DE ALTA DE 3"	PNN A105-2			5	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
CODO DE 90° DE ALTA DE 2"	B 16 A105N FC-5			5	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
CODO DE 90° DE 1 1/2"	A 105N 21012			5	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
CODO DE 90° DE 1"	A105N ETD			9	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
CODO DE 90° DE BAJA DE 1"	A105N LS F8			15	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
CODO DE 90° DE ALTA DE 3/4"	A105N ESD			14	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
CODO DE 45° DE ALTA 1 1/2"				2	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
CODO DE 45° DE ALTA 3/4"				4	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
CAMISAS DE 5 1/2"				3	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
CAMISAS DE 6"				1	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
CAMISAS DE 5"				2	PZ	YARD AGUA FRIA	SEACAN ALMACEN	

collarin para drill collars con 8 dados			1	PZ	YARD AGUA FRIA	SEACAN ALMACEN
empaques de 6 1/2" para chaqueta o guarda barro			13	PZ	YARD AGUA FRIA	SEACAN ALMACEN
modulos para bomba F -1000			2	PZ	YARD AGUA FRIA	SEACAN ALMACEN
camara para esferico 11" x 5000	231152		1	PZ	YARD AGUA FRIA	SEACAN ALMACEN
anillo R39			23	PZ	YARD AGUA FRIA	SEACAN ALMACEN
anillo RX 24			1	PZ	YARD AGUA FRIA	SEACAN ALMACEN
anillo R 31			12	PZ	YARD AGUA FRIA	SEACAN ALMACEN
anillo R 24			18	PZ	YARD AGUA FRIA	SEACAN ALMACEN
anillo R 46				PZ	YARD AGUA FRIA	SEACAN ALMACEN
anillo R 44			5	PZ	YARD AGUA FRIA	SEACAN ALMACEN
ANILLO R 35			4	PZ	YARD AGUA FRIA	SEACAN ALMACEN
valvulas para bomba	9700285		2	PZ	YARD AGUA FRIA	SEACAN ALMACEN
asientos de valvulas	9702547		10	PZ	YARD AGUA FRIA	SEACAN ALMACEN
pistones de 5"	1502056		8	PZ	YARD AGUA FRIA	SEACAN ALMACEN
valvulas para bomba	9700285		2	PZ	YARD AGUA FRIA	SEACAN ALMACEN
ANILLO ESPACIADOR MARCA GRAYLOC	51277N		10	PZ	YARD AGUA FRIA	SEACAN ALMACEN
ANILLO ESPACIADOR MARCA GRAYLOC	14641		5	PZ	YARD AGUA FRIA	SEACAN ALMACEN
ANILLO ESPACIADOR MARCA GRAYLOC	50596		1	PZ	YARD AGUA FRIA	SEACAN ALMACEN
ANILLO ESPACIADOR MARCA GRAYLOC	51276N		1	PZ	YARD AGUA FRIA	SEACAN ALMACEN
ANILLO ESPACIADOR MARCA GRAYLOC	51275N		8	PZ	YARD AGUA FRIA	SEACAN ALMACEN
CAMARA PARA BOTELLAS DE ACUMULADOR	1457-6		3	PZ	YARD AGUA FRIA	SEACAN ALMACEN
PINTURA PRIMARIA ANTI CORROSIVO GRIS CLARO	EP-0103-40		4	GALON	YARD AGUA FRIA	SEACAN ALMACEN
PINTURA ROJO CHINO	EX-0500-40		4	GALON	YARD AGUA FRIA	SEACAN ALMACEN
BASE INTENSA TORMENTA GRIS	EX-0070-40		3	GALON	YARD AGUA FRIA	SEACAN ALMACEN
PINTURA COLOR ROBLE	EX0558-40		1	GALON	YARD AGUA FRIA	SEACAN ALMACEN
BASE ULTRA DEEP COLOR CAFÉ	C 62C J 01-G		2	GALON	YARD AGUA FRIA	SEACAN ALMACEN
ESMALTE SECADO RAPIDO	SP40362		2	GALON	YARD AGUA FRIA	SEACAN ALMACEN
NEGRO MATE	C62BJ01-G		1	GALON	YARD AGUA FRIA	SEACAN ALMACEN
BASE DEEP TONE VERDE			2	GALON	YARD AGUA FRIA	SEACAN ALMACEN
PINTURA AMARILLO CATERPILLAR	5679M		2	GALON	YARD AGUA FRIA	SEACAN ALMACEN
PAD BLANCO	C62WJ01-5G		1	CUBETA	YARD AGUA FRIA	SEACAN ALMACEN
PAD BASE AZUL	C62CJ01-5G		1	CUBETA	YARD AGUA FRIA	SEACAN ALMACEN
ROJO CHINO	EX-0500-50		1	CUBETA	YARD AGUA FRIA	SEACAN ALMACEN
PAD BASE CAFÉ			1	CUBETA	YARD AGUA FRIA	SEACAN ALMACEN
tuerca union de golpe de 12" hembra y macho	p5120 a		2	PZ	YARD AGUA FRIA	SEACAN ALMACEN
tuerca union de golpe de 6" hembra y macho	p5600 a		1	PZ	YARD AGUA FRIA	SEACAN ALMACEN
tuerca union de golpe 10" hembra y macho	p5100a		3	PZ	YARD AGUA FRIA	SEACAN ALMACEN
tuerca union de golpe de 8" hembra y macho	p5800a		2	PZ	YARD AGUA FRIA	SEACAN ALMACEN
valvula de paso 1 1/2"			8	PZ	YARD AGUA FRIA	SEACAN ALMACEN
valvula de paso 1"			5	PZ	YARD AGUA FRIA	SEACAN ALMACEN
valvula de paso 3/4"			1	PZ	YARD AGUA FRIA	SEACAN ALMACEN
valvula de paso 3/8"			6	PZ	YARD AGUA FRIA	SEACAN ALMACEN
valvula de paso 2"			1	PZ	YARD AGUA FRIA	SEACAN ALMACEN
manometro de 0 a 6000 psi			1	PZ	YARD AGUA FRIA	SEACAN ALMACEN
manometro de 0 a 5000 psi			1	PZ	YARD AGUA FRIA	SEACAN ALMACEN
manometro de 0 a 10000 psi			1	PZ	YARD AGUA FRIA	SEACAN ALMACEN
manometro de 0 a 20000			1	PZ	YARD AGUA FRIA	SEACAN ALMACEN
wns check valve			2	PZ	YARD AGUA FRIA	SEACAN ALMACEN
niple de alta de rosca interior de 2"			5	PZ	YARD AGUA FRIA	SEACAN ALMACEN
niple de alta de rosca interior de 3"			5	PZ	YARD AGUA FRIA	SEACAN ALMACEN
niple de alta de rosca interior 1 3/4"			2	PZ	YARD AGUA FRIA	SEACAN ALMACEN
niple de alta de rosca interior 1"			8	PZ	YARD AGUA FRIA	SEACAN ALMACEN
niple de alta con rosca exterior 2"			5	PZ	YARD AGUA FRIA	SEACAN ALMACEN
niple de alta de 1 1/2" con rosca exterior			5	PZ	YARD AGUA FRIA	SEACAN ALMACEN
niple de alta de 1 1/4" con rosca exterior			2	PZ	YARD AGUA FRIA	SEACAN ALMACEN
codo 45° de alta soldable de 2"			4	PZ	YARD AGUA FRIA	SEACAN ALMACEN
codo 45° de alta soldable de 1 1/2"			4	PZ	YARD AGUA FRIA	SEACAN ALMACEN
codo de 90° de alta 1/2"			6	PZ	YARD AGUA FRIA	SEACAN ALMACEN

codo de 90° de alta 3/8"			12	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
T de alta de 3/8"			19	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
T de alta de 1/4"			5	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
grasa lubricante oso 763			1	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
capsula de nitrógeno para extintores			5	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
mango para jaladores			1	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
hule para jaladores			3	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
manguera de hule 3/4"			1	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
cam lock couplings hembra y macho de 6"			4	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
niples galvanizados de 6" rosca exterior			3	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
RESORTES PARA VALVULA DE BOMBA DE LODO			6	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
SEGUROS DE MURCIELAGO PARA BOMBA DE LODO			4	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
CALGARY BRUSH			2	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
PLATE WEAR	118 3762-1		1	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
POLEA PARA CENTRIFUGA DE 3 CANALES			1	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
LAMONS 8" 150CC ASME O EMPAQUE DE ASBESTO	P1620		6	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
LAMONS 6" 150CC ASME O EMPAQUE DE ASBESTO	P1620		6	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
LAMONS 4" 150CC ASME O EMPAQUE DE ASBESTO	P1620		4	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
LAMON 3" 150CC ASME O EMPAQUE DE ASBESTO	P1620		7	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
LAMON 2" 150CC ASME O EMPAQUE DE ASBESTO	P1620		6	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
BONNET SEALS 11"TIPO U	3 A -Q644197-02		2	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
MANGOS FLEXIBLES PARA CUÑAS			5	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
CAMARA DE PULSACIONES DE BOMBAS DE LODO			4	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
WEAR PAD ASSY 6X5X41 25005	2504-37AH		1	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
GRAPA DE CENTRIFUGA EX 2 1/8 XTT			1	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
VALVULA CONTROL LED FLOW 3000 PSI			2	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
BANDA O CORREA 005-4200	1094888		5	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
FOR PRESURE RELIEF VALVE , CUSHION	141025		5	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
COMP. SPRING (RESORT) 1 3/8" X120 6 LONG			1	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
STM W/PIN 55-6110 STD & SR G3 S/CF/3 OTECO	141235		2	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
GV. STMPK , 72 ,66 & C, 5436 , NB			2	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
PIST SP - 4710 W/WSHR & PIN CTR STDSV / OTECO	141025		5	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
GV , STMPK RNG , 72 , 66 & C SPR			14	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
L.P.T 140435 3"			4	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
BISAGRAS DE 4"			4	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
ANILLO RX 57	1070431		4	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
ANILLO R 54	5 316-4		8	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
LLAVE HITOR			1	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
SEAL MECH	648414308		1	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
BEARNING COVER	373 1700		2	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
PLUG	3160300		2	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
SLEEVE	3732100		8	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
FLYGT SEAL	827795		1	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
MECHANICAL SEAL	3992605		1	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
VALVULA CHECK 1 1/4 "	013 B004		1	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
FLYGT STUD 10-35	809505		2	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
SLOTTED HEAD SCREW	3034402		6	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
ORING	827420		1	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
TC OIL SEAL 35 X 52 X 7			10	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
GASKET	316 19 00		1	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
PLAIN WASHER	338 1303		1	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
ORING	827382		7	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
NUT	337 40 00		5	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
FLYGT PUMP SPACER	1065859		2	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
FLYGT ORING	827420 -0		1	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
FLYGT STUD 3/8 -9"	3374102 -0		8	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
COMPRESSION SPRING	2886100		8	PZ	YARD AGUA FRIA	SEACAN ALMACEN	
GASKET	94-5992		1	PZ	YARD AGUA FRIA	SEACAN ALMACEN	

GASKET	119-2940		1	PZ	YARD AGUA FRIA	SEACAN ALMACEN
CLIMAX PLUG VALVE LUBRICANT & SEALANT	3256666		10	PZ	YARD AGUA FRIA	SEACAN ALMACEN
POLEA DE 6"			1	PZ	YARD AGUA FRIA	SEACAN ALMACEN
TURBO CHARGER CATERPILLAR 408 754	OR - 7028		2	PZ	YARD AGUA FRIA	SEACAN ALMACEN
CONO PARA VIENTO CON BASE			1	PZ	YARD AGUA FRIA	SEACAN ALMACEN
MANGUERA CONTRA INCENDIO ROJA 1 1/2" X 75	S 15BRN		2	PZ	YARD AGUA FRIA	SEACAN ALMACEN
MANGUERA CONTRA INCENDIO BLANCA 1 1/2" X 50	59619		1	PZ	YARD AGUA FRIA	SEACAN ALMACEN
TORNILLO DE CABEZA ALLEN 7/8" X 2"			32	PZ	YARD AGUA FRIA	SEACAN ALMACEN
TORNILLO DE CABEZA ALLEN 7/8" X 3 3/4"			7	PZ	YARD AGUA FRIA	SEACAN ALMACEN
TORNILLO DE CABEZA ALLEN 7/8" X 2 1/2"			8	PZ	YARD AGUA FRIA	SEACAN ALMACEN
GRAZA CHEMOLA EN TUBO	1141-01		3	PZ	YARD AGUA FRIA	SEACAN ALMACEN
TENSOR 5/8" X 14" DE LARGO			2	PZ	YARD AGUA FRIA	SEACAN ALMACEN
ESPARRAGO 5/8" X 3 1/4"			35	PZ	YARD AGUA FRIA	SEACAN ALMACEN
DISCO DE CORTE 7" X 1/4 X 7/8" SUPER FLEX	7300016		4	PZ	YARD AGUA FRIA	SEACAN ALMACEN
DISCO DE CORTE 14" X 1 - 8X1 MAKITA	4171		25	PZ	YARD AGUA FRIA	SEACAN ALMACEN
KIT DE REPACION DE PISTON NEUMATICO DE UNIDAD KOOMY			1	CAJA	YARD AGUA FRIA	SEACAN ALMACEN
MACHO DE TUERCA UNION DE 4" 1000 PSI	2574 N 1		1	PZ	YARD AGUA FRIA	SEACAN ALMACEN
TUERCA UNION HEMBRA Y MACHO DE 4" FIG 100			3	PZ	YARD AGUA FRIA	SEACAN ALMACEN
TAPON HEMBRA DE 3/4"	A105 N -41932218		4	PZ	YARD AGUA FRIA	SEACAN ALMACEN
TAPON MACHO DE 3/4"	S A 105 -OT		3	PZ	YARD AGUA FRIA	SEACAN ALMACEN
TORNILLO EXAGONAL DE 5/8" X 2"			11	PZ	YARD AGUA FRIA	SEACAN ALMACEN
TORNILLO EXAGONAL DE 7/16" X 1 1/2"			24	PZ	YARD AGUA FRIA	SEACAN ALMACEN
TORNILLO DE 1" X 3"			8	PZ	YARD AGUA FRIA	SEACAN ALMACEN
TORNILLO EXAGONAL DE 1" X 2"			22	PZ	YARD AGUA FRIA	SEACAN ALMACEN
ESPARRAGOS DE 5/8" CON TUERCAS			16	PZ	YARD AGUA FRIA	SEACAN ALMACEN
TORNILLOS 9/16 X 3" CABEZA ALLEN			36	PZ	YARD AGUA FRIA	SEACAN ALMACEN
TORNILLOS 5/8" X 2" CABEZA ALLEN			81	PZ	YARD AGUA FRIA	SEACAN ALMACEN
TORNILLO DE 1/2" X 2" CABEZA ALLEN			70	PZ	YARD AGUA FRIA	SEACAN ALMACEN
TORNILLO 5/8" X 3" CABEZA EXAGONAL			17	PZ	YARD AGUA FRIA	SEACAN ALMACEN
TORNILLO DE 1/2" X 2 1/2" CABEZA ALLEN			90	PZ	YARD AGUA FRIA	SEACAN ALMACEN
TORNILLO 5/8" X 3" CABEZA ALLEN			83	PZ	YARD AGUA FRIA	SEACAN ALMACEN
TORNILLO DE 1/2" X 3 1/2" CABEZA ALLEN			31	PZ	YARD AGUA FRIA	SEACAN ALMACEN
TORNILLO 11/16" X 2 1/2"			12	PZ	YARD AGUA FRIA	SEACAN ALMACEN
TORNILLO 5/8" X 4" CABEZA ALLEN			12	PZ	YARD AGUA FRIA	SEACAN ALMACEN
TORNILLO 7/16" X 1 3/4" CABEZA ALLEN			72	PZ	YARD AGUA FRIA	SEACAN ALMACEN
TORNILLO 5/16" X 3/4" CABEZA ALLEN			14	PZ	YARD AGUA FRIA	SEACAN ALMACEN
TORNILLO 3/8" X 2 1/4" CABEZA ALLEN			10	PZ	YARD AGUA FRIA	SEACAN ALMACEN
TORNILLO DE CABEZA PLANA ALLEN 7/16" X 1"			7	PZ	YARD AGUA FRIA	SEACAN ALMACEN
TORNILLO DE CABEZA EXAGONAL ROSCA FINA 5/8" X 2 1/2"			13	PZ	YARD AGUA FRIA	SEACAN ALMACEN
TORNILLO DE CABEZA PLANA ALLEN 1/2" X 1"			6	PZ	YARD AGUA FRIA	SEACAN ALMACEN
TORNILLO DE CABEZA TOR DE 5/8" X 2 1/4"			13	PZ	YARD AGUA FRIA	SEACAN ALMACEN
TORNILLO DE CABEZA TOR DE 5/8" X 3"			10	PZ	YARD AGUA FRIA	SEACAN ALMACEN
TORNILLO DE CABEZA TOR DE 3/4" X 3 1/4"			15	PZ	YARD AGUA FRIA	SEACAN ALMACEN
ESPARRAGOS 5/8" X 4"			56	PZ	YARD AGUA FRIA	SEACAN ALMACEN
TUERCA EXAGONAL 5/8"			100	PZ	YARD AGUA FRIA	SEACAN ALMACEN
MARIPOZA DE 3" FIG 100			1	PZ	YARD AGUA FRIA	SEACAN ALMACEN
MARIPOZA DE 3" FIG 1502			3	PZ	YARD AGUA FRIA	SEACAN ALMACEN
MARIPOZA 4" FIG 1002			1	PZ	YARD AGUA FRIA	SEACAN ALMACEN
MACHO DE TUERCA UNION 3"			1	PZ	YARD AGUA FRIA	SEACAN ALMACEN
HEMBRA DE TUERCA UNION 3"			1	PZ	YARD AGUA FRIA	SEACAN ALMACEN
HEMBRA DE TUERCA UNION 4"	257401		2	PZ	YARD AGUA FRIA	SEACAN ALMACEN
TUERCA UNION HEMBRA Y MACHO DE 4" FIG 1002 KEMPER			2	PZ	YARD AGUA FRIA	SEACAN ALMACEN
TUERCA UNION HEMBRA Y MACHO 3" SOLDABLE FIG 1502	68712		9	PZ	YARD AGUA FRIA	SEACAN ALMACEN
MARIPOZA DE 2" FIG 1502			1	PZ	YARD AGUA FRIA	SEACAN ALMACEN
MARIPOZA DE 3" FIG 400			1	PZ	YARD AGUA FRIA	SEACAN ALMACEN
MARIPOZA DE 4" FIG 100			1	PZ	YARD AGUA FRIA	SEACAN ALMACEN
CARACOL PARA CENTRIFUGA 2"X3" HOUSTON	42623		1	PZ	YARD AGUA FRIA	SEACAN ALMACEN
PLATO PARA CENTRIFUGA	641116157		1	PZ	YARD AGUA FRIA	SEACAN ALMACEN

PLATO PARA CENTRIFUGA	10132399	PZ	1	YARD AGUA FRIA	SEACAN ALMACEN
PLATO PARA CENTRIFUGA	12609	PZ	1	YARD AGUA FRIA	SEACAN ALMACEN
PLATO PARA CENTRIFUGA	81109	PZ	1	YARD AGUA FRIA	SEACAN ALMACEN
IMPELER 8X6X14 2500 SUPREME	655009076	PZ	2	YARD AGUA FRIA	SEACAN ALMACEN
IMPELER 6X5X14 2500 SUPREME	655022464	PZ	2	YARD AGUA FRIA	SEACAN ALMACEN
MARRCOS 12 LBS		PZ	2	YARD AGUA FRIA	SEACAN ALMACEN
MARRCOS PARA MARRCOS		PZ	4	YARD AGUA FRIA	SEACAN ALMACEN
KELLY VALVE 5246203	M&M31768	PZ	1	YARD AGUA FRIA	SANCOCHO
EMPAQUES PARA TAPON DE LAS BOMBA DE LODO	0765-70-0282-00	PZ	11	YARD AGUA FRIA	SEACAN ALMACEN
VERNIER WES TWARD 30 CM		PZ	1	YARD AGUA FRIA	
LIMPIADOR DE CONTACTO (SGCADO RAPIDO)	16--102	PZ	3	YARD AGUA FRIA	
PLUG LOCKOUT CANDADO		PZ	2	YARD AGUA FRIA	
TEFLON LIQUIDO	14018	PZ	4	YARD AGUA FRIA	
LOCITE 242	24231	PZ	4	YARD AGUA FRIA	
CINTA MASKING 2"X 50 MT		PZ	1	YARD AGUA FRIA	
CINTA DIUREX 48MM X 100M		PZ	2	YARD AGUA FRIA	
SILICON NEGRO ALTA TEMPERATURA 280 ML		PZ	4	YARD AGUA FRIA	
SILICON NEGRO ALTA TEMPERATURA 280 ML		PZ	1	YARD AGUA FRIA	
SILENCIADOR CON ROSCA 3/4"		PZ	1	YARD AGUA FRIA	
ARCO DE SEGUETA		PZ	2	YARD AGUA FRIA	
SEGUETA DE ACERO ALTA VELOCIDAD		PZ	14	YARD AGUA FRIA	
SILICON TRANSPARENTE 70 GR		PZ	4	YARD AGUA FRIA	
CEPILLO DE ALAMBRE		PZ	10	YARD AGUA FRIA	
LUNA NUMERO 120		PZ	41	YARD AGUA FRIA	
HOJA DE CEGUETA DE CARBURO DE TUNGSTENO		PZ	5	YARD AGUA FRIA	
ALARMA DE HUMO		PZ	3	YARD AGUA FRIA	
GUANTES DE CARNAZA	B-30-40	PARES	16	YARD AGUA FRIA	
GUANTES DE HICRON TALLA L		PARES	15	YARD AGUA FRIA	
UN PULPO DE 4 GANCHOS PARA CAMILLA DE RESCATE DE 2500 LBS		PZ	1	YARD AGUA FRIA	
UN RETRACTIL MSA 900 LBS DE 25.4 CM		PZ	1	YARD AGUA FRIA	
CINTA PARA BARRICADA AMARILLA (PRECAUCION)		PZ	3	YARD AGUA FRIA	
CINTA BARRICADA ROJA (PELIGRO)		PZ	1	YARD AGUA FRIA	
CINTA REFLEJANTE		PZ	1	YARD AGUA FRIA	
CINTA TEFLON DE 1" X 7METROS DE LARGO		PZ	6	YARD AGUA FRIA	
SISTEMA PARA CARGAR NITROGENO		PZ	1	YARD AGUA FRIA	
CINTA TEFLON DE 1/2"X260"		PZ	15	YARD AGUA FRIA	
MULTIPLE HIDRAULICO SUN		PZ	1	YARD AGUA FRIA	
BOLSA DE REMACHE DE ALUMINIO DE 1/8"		PZ	1	YARD AGUA FRIA	
KIT DE REPARACION DE CAMARA DE PULSACIONES	R11-102	BOLSAS	2	YARD AGUA FRIA	
BLOCK STEP STEEL PARA SISTEMA ULTRA SONICO	1185-40-310	PZ	1	YARD AGUA FRIA	
NIVEL DE AGUA		PZ	1	YARD AGUA FRIA	
ABRAZADERA DE 1/4"		PZ	11	YARD AGUA FRIA	
ABRAZADERA DE 1"		PZ	11	YARD AGUA FRIA	
ABRAZADERA DE 3/4"		PZ	10	YARD AGUA FRIA	
RETRACTIL CAP 34 KGS -141 KG 6 MTS LRGO	L207822	PZ	1	YARD AGUA FRIA	
MINI ESMERILADORA ANGULAR DE 1/4"		PZ	1	YARD AGUA FRIA	
BRUCHA DE 2"		PZ	2	YARD AGUA FRIA	
CINTA ANTI DERRAPANTE DE 2"		PZ	1	YARD AGUA FRIA	
CINTA ANTI DERRAPANTE DE 4"		PZ	1	YARD AGUA FRIA	
Coupling-QDI	241-6190	PZ	2	YARD AGUA FRIA	
ENDURCEDOR EPOXYDE	903271	PZ	2	YARD AGUA FRIA	
MASA DE TITANIO		PZ	2	YARD AGUA FRIA	
CLAVOS VERDE	140540	PZ	25	YARD AGUA FRIA	
RUEDAS FLAP CON BASTAGO PARA REVAVEO DE 1"X1"X1/4"		PZ	56	YARD AGUA FRIA	
BRUCA DE ALTA VELOCIDAD 5/8" TRUPER		PZ	1	YARD AGUA FRIA	
BRUCA DE ALTA VELOCIDAD 9/16" TRUPER		PZ	1	YARD AGUA FRIA	
BOQUILLA ROCEADORA AJUSTABLE		PZ	3	YARD AGUA FRIA	

NUMERO DE PARTE	MINIMOS	MAXIMOS	QTY FISICA	U/M	LOCACION	UBICACION	MAQUINAS	COMENTARIOS
RESORTE PARA VALVULAS DE BOMBAS DE LODO HHF-1000			15	PZ	COYOL 6079			
TUERCA UNION DE GOLPE SOLDABLE 4"			1	PZ	COYOL 6079			
TUERCA UNION DE GOLPE ROSCABLE 3"			3	PZ	COYOL 6079			
TUERCA UNION DE GOLPE ROSCABLE DE 6"			6	PZ	COYOL 6079			
TUERCA UNION DE GOLPE ROSCABLE DE 3"			1	PZ	COYOL 6079			
TUERCA UNION DE GOLPE ROSCABLE 2" 10000PSI			3	PZ	COYOL 6079			
TUERCA UNION DE GOLPE ROSCABLE DE 2" 2000PSI			4	PZ	COYOL 6079			
SECCION PARA CUNAS DE HERRAMIENTA 5.5			3	PZ	COYOL 6079			
AGARRADERAS PARA CUNAS			3	PZ	COYOL 6079			
PONY ROD NATIONAL	B03423		1	PZ	COYOL 6079			
PISTON ROD	4551702		4	PZ	COYOL 6079			
LINER 5 USADOS			2	PZ	COYOL 6079			
LINER 5 USADOS			2	PZ	COYOL 6079			
VALVULAS FULL OPEN	9700285		8	PZ	COYOL 6079			
PISTON 5	301556R		5	PZ	COYOL 6079			
SEAT5	9702547		8	PZ	COYOL 6079			
VALVULAS DE MARIPOSA DE 10"	22606		3	PZ	COYOL 6079			
VALVULAS MARIPOSA DE 8"	22125		8	PZ	COYOL 6079			
VALVULAS MARIPOSA DE 6"	J022124-5114311		1	PZ	COYOL 6079			
VALVULAS MARIPOSA DE 4"	J022122-1214311		2	PZ	COYOL 6079			
VALVULA MARIPOSA DE 12"	J022127-1214311		2	PZ	COYOL 6079			
ABRAZADERAS DE PISTON ROD			2	PZ	COYOL 6079			
PERROS DE 6800KG DE 3/8 A 1/2			3	PZ	COYOL 6079			
AIRBAG HOUSING 10"			5	PZ	COYOL 6079			
T DE ALTA 3M 2"			11	PZ	COYOL 6079			
T DE ALTA 3M 1.5"			4	PZ	COYOL 6079			
T DE ALTA 3M 1 1/4"			3	PZ	COYOL 6079			
T DE ALTA 3M 1/2"			3	PZ	COYOL 6079			
T DE ALTA DE 3/8"			9	PZ	COYOL 6079			
T DE ALTA DE 1/4 3M			6	PZ	COYOL 6079			
T DE ALTA DE 1/8 3M			3	PZ	COYOL 6079			
T DE ALTA DE 1/2 2M			3	PZ	COYOL 6079			
T DE ALTA DE 1 1/4 2M			1	PZ	COYOL 6079			
TUERCA UNION DE 2"			4	PZ	COYOL 6079			

NUMERO DE PARTE	MINIMOS	MAXIMOS	QTY FISICA	U/M	LOCACION	UBICACION	MAQUINAS	COMENTARIOS
GASKET	110-6991 CAT		6	PZ	COYOL 6079			
GASKET	IPD-144-5692 CAT		3	PZ	COYOL 6079			
GASKET	7C0307 CAT		1	PZ	COYOL 6079			
SENSOR TEMP.	239-9957 CAT		4	PZ	COYOL 6079			
KIT GASKET	7N5080		1	PZ	COYOL 6079			
KIT GASKET	7W8145		1	PZ	COYOL 6079			
KIT ORING	8J8725 CAT		1	PZ	COYOL 6079			
KIT ORING	6V5103		24	PZ	COYOL 6079			
KIT ORING	1H8128		1	PZ	COYOL 6079			
KIT ORING	5P7530		1	PZ	COYOL 6079			
KIT ORING	5P8872		4	PZ	COYOL 6079			
KIT ORING	5B4399		5	PZ	COYOL 6079			
KIT ORING	6V6809		1	PZ	COYOL 6079			
KIT ORING	6V3835		1	PZ	COYOL 6079			
KIT ORING	6V3817		1	PZ	COYOL 6079			
KIT ORING	1H9696		1	PZ	COYOL 6079			
KIT GASKET	7N6806		1	PZ	COYOL 6079			
KIT ORING	3B8453		1	PZ	COYOL 6079			
KIT ORING	109-744		1	PZ	COYOL 6079			
KIT GASKET	4N-1156		1	PZ	COYOL 6079			
KIT ORING	9X7735		7	PZ	COYOL 6079			
KIT ORING	6V3917		5	PZ	COYOL 6079			
KIT GASKET	154810 CAT		15	PZ	COYOL 6079			
KIT ORING	8N4707		2	PZ	COYOL 6079			
KIT ORING	167-2195 CAT		1	PZ	COYOL 6079			
KIT ORING	5P0840		3	PZ	COYOL 6079			
REGULADOR	4W4794		1	PZ	COYOL 6079			
HOSE	8N5254 CAT		1	PZ	COYOL 6079			
SMQ	127-2176 J CAT		5	PZ	COYOL 6079			
KIT ORING	5P8890 CAT		10	PZ	COYOL 6079			
KIT GASKET	7W8145 CAT		2	PZ	COYOL 6079			
KIT GASKET	940916 CAT		1	PZ	COYOL 6079			
REGULADOR A	3T6354 CAT		2	PZ	COYOL 6079			
REGULADOR-TE	248-5513 CAT		1	PZ	COYOL 6079			
BASE A	1N3789 CAT		2	PZ	COYOL 6079			
SWITCH AS	118-3534 CAT		1	PZ	COYOL 6079			
SWITCH AS	263-2905 CAT		2	PZ	COYOL 6079			
SOCKET	148-7211 CAT		1	PZ	COYOL 6079			
O RING	518854 CAT		1	PZ	COYOL 6079			
PUMP AS	137-5541 CAT		1	PZ	COYOL 6079			
KIT REBULID	138-6744 CAT		2	PZ	COYOL 6079			
SEAL AFT CLR	107-3759 CAT		3	PZ	COYOL 6079			
ADAPTER	7C9222 CAT		1	PZ	COYOL 6079			
KIT GASKET	128-292		1	PZ	COYOL 6079			
SEAL GP	142-5868 CAT		1	PZ	COYOL 6079			
BEARING	3L1425 CAT		1	PZ	COYOL 6079			
BEARING	8H9789 CAT		1	PZ	COYOL 6079			
BREATHER	130-4634 CAT		1	PZ	COYOL 6079			
TURBINA	100-7479		1	PZ	COYOL 6079			
MANGUERA	1E0716 CAT		2	PZ	COYOL 6079			
KIT REBULID	222-5153 CAT		1	PZ	COYOL 6079			

SPROCKET	9 S		PZ	1	COYOL 6079
GASKET	94-5992 CAT		PZ	6	COYOL 6079
KIT ORING	117-9315		PZ	8	COYOL 6079
INJECTOR	OR-9944 CAT		PZ	10	COYOL 6079
BALERO	6326		PZ	1	COYOL 6079
MANBUERA	8N1186		PZ	2	COYOL 6079
SUN HIDRAULICS	208726		PZ	5	COYOL 6079
CHECK VALVE	C1600 S PARKER		PZ	2	COYOL 6079
SUN HIDRAULICS	119549		PZ	3	COYOL 6079
HIDRAULICS VALVE	F 8005 PARKER		PZ	2	COYOL 6079
HIDRAULICS	0K04-A2		PZ	1	COYOL 6079
HIDRAULICS VALVE	M16005		PZ	1	COYOL 6079
HIDRAULIC VALVE	F12005		PZ	1	COYOL 6079
BRAND HIDRAULICS	FC51		PZ	1	COYOL 6079
BANCO DE VALVULAS	C-505		PZ	1	COYOL 6079
BANCO DE VALVULAS	840188		PZ	2	COYOL 6079
KIT	P391K2		PZ	1	COYOL 6079
KIT	BMS		PZ	1	COYOL 6079
TERMOMETRO BIMETALICO	DC-1000-5		PZ	1	COYOL 6079
CONTROLAIR VALVE	H-2-LX		PZ	1	COYOL 6079
ORING	RCS3K PARKER		PZ	1	COYOL 6079
ORING	391-1873-03611		PZ	2	COYOL 6079
ORING SUCTION	F 1000		PZ	1	COYOL 6079
KIT PISTON SEAL	P55		PZ	1	COYOL 6079
CONEXIONES MARIPOSA	395360		PZ	2	COYOL 6079
BANCO VALVE	CS69		PZ	1	COYOL 6079
CALIBRADOR DE LAINAS	PROTO		PZ	1	COYOL 6079
INDUSTRIAL AIR TOOL	182LNA-1		PZ	1	COYOL 6079
LAINAS 0.15			PZ	3	COYOL 6079
LAINAS .003			PZ	2	COYOL 6079
LAINAS .020			PZ	1	COYOL 6079
FRENO DE CORONA			PZ	1	COYOL 6079
KIT REPARALL	5521-16		PZ	1	COYOL 6079
KIT REPARALL	5401-12		PZ	1	COYOL 6079
KIT UNF RANGE	34004		PZ	1	COYOL 6079
METRIC REPAIR SET	4937-150		PZ	1	COYOL 6079
INSERTO 3/4	1185-12		PZ	8	COYOL 6079
INSERTO 1/2	1185-8CN		PZ	8	COYOL 6079
INSERTO 3/4	HCP1185-12CN		PZ	40	COYOL 6079
INSERTO 1/2	1185-8CN-750		PZ	50	COYOL 6079
PISTOLA DE DIESEL	4453578		PZ	1	COYOL 6079
CONEXION RAPIDA 1/2			PZ	10	COYOL 6079
RETEN	505-1003-010		PZ	1	COYOL 6079
BRAKE ACTUATOR	587-52-2		PZ	1	COYOL 6079
RONDANA	LW0500		PZ	12	COYOL 6079
TORNILLO	1071543		PZ	22	COYOL 6079
CONEXION MACHO	GI SERIES		PZ	3	COYOL 6079
SENSOR METAL	N02-1010-010		PZ	1	COYOL 6079
EMPAQUE	587-50-5-030		PZ	15	COYOL 6079
TORNILLO	F50250		PZ	12	COYOL 6079
RETEN	M11-1047-010		PZ	1	COYOL 6079
ORING PONY ROD/SPACER			PZ	8	COYOL 6079
BOX INSIDE GROVE	7817600433		PZ	6	COYOL 6079
LERROY INTERNATIONAL	10100720		PZ	1	COYOL 6079
LERROY INTERNATIONAL	10034159		PZ	1	COYOL 6079
KIT	W00-10-100		PZ	2	COYOL 6079
ORING	1001190		PZ	10	COYOL 6079

PINON	42331						PZ	1		COYOL 6079
ROLLER BEARING	247310						PZ	7		COYOL 6079
ROLLER BEARING	HJ-324120						PZ	1		COYOL 6079
RETEN	257215						PZ	3		COYOL 6079
SPINMASTER	031-24654						PZ	3		COYOL 6079
RETEN	62-90-10						PZ	3		COYOL 6079
TB WOODS	65118						PZ	8		COYOL 6079
FLANGE	1003008						PZ	2		COYOL 6079
COPLF	ML100						PZ	6		COYOL 6079
SPIDER ELEMENT	M03-1002-020						PZ	1		COYOL 6079
EATON AIR FLEX	145406 DF						PZ	5		COYOL 6079
MANOMETRO	2000						PZ	2		COYOL 6079
MANOMETRO	255163						PZ	3		COYOL 6079
MANGUERA METALICA	6MP35						PZ	1		COYOL 6079
SEATS	V743836						PZ	2		COYOL 6079
REGULADOR DE AIRE	12-00660						PZ	1		COYOL 6079
KIT REGULADOR REV.	1110-2199						PZ	1		COYOL 6079
INDICADOR SWACO	1528084						PZ	1		COYOL 6079
ROTOCIL	C27669						PZ	1		COYOL 6079
ROTOCIL	B3 145106BQ						PZ	1		COYOL 6079
RETEN	113074						PZ	2		COYOL 6079
RETEN	10960						PZ	13		COYOL 6079
RETEN	116147						PZ	5		COYOL 6079
LOOK SPRING	119943						PZ	30		COYOL 6079
BOMBA HIDRAULICA	4012053						PZ	1		COYOL 6079
NEEDLE VALVE	V232-192						PZ	4		COYOL 6079
GATE	VC 114043						PZ	1		COYOL 6079
RETAINER PLATES							PZ	1		COYOL 6079
RODILLOS PARA MALACATE							PZ	6		COYOL 6079
REMOVE LABEL	6216-0124-00						PZ	2		COYOL 6079
RETEN	11746						PZ	2		COYOL 6079
RETEN	455121						PZ	3		COYOL 6079
BALERO	648408201 S-NOV						PZ	4		COYOL 6079
DALKING SET	8264-24						PZ	1		COYOL 6079
PKG SET	661007005						PZ	1		COYOL 6079
REPUESTO CENTRIFUGA	P25MS/TT						PZ	4		COYOL 6079
MA6 PUMP	648414308 NOV						PZ	2		COYOL 6079
SHET SLV	641102181 NOV						PZ	4		COYOL 6079
SLAVE FOR	10024412 NOV						PZ	1		COYOL 6079
BRG CAP	20617 AH NOV						PZ	1		COYOL 6079
KIT ORING PARA KOOMEV	4025502						PZ	2		COYOL 6079
REPUESTO CENTRIFUGA	H317						PZ	1		COYOL 6079
BALERO	22208EJW33C3						PZ	8		COYOL 6079
BALERO	6210C3E						PZ	3		COYOL 6079
BALERO	6307C3C						PZ	2		COYOL 6079
BALERO	22208E/CE						PZ	4		COYOL 6079
BALERO	6308-22/C3						PZ	2		COYOL 6079
BALERO	NUZIO						PZ	2		COYOL 6079
BALERO	7602-0090-06						PZ	2		COYOL 6079
CENTRIFUGAL PARTS	HALCO 2500						PZ	4		COYOL 6079
VALVE KIT	30767						PZ	1		COYOL 6079
ORING	1008559						PZ	1		COYOL 6079
JOYSTCK	15584211						PZ	1		COYOL 6079
KIT ESTOPERO	661007008						PZ	1		COYOL 6079
WATT FLUIDAIR	L606-68W/M8						PZ	2		COYOL 6079
VALVULA REGULADORA							PZ	1		COYOL 6079
VALVULA	145R3WC3-0						PZ	1		COYOL 6079
PROTECTOR DE FILTRO							PZ	1		COYOL 6079

BALERO	6305C3E				PZ	10	COYOL 6079
BALERO	3305 ATN9/C3				PZ	2	COYOL 6079
BALERO	6205 JEM				PZ	4	COYOL 6079
BALERO	6403 212				PZ	2	COYOL 6079
KIT UNLDR	753026				PZ	1	COYOL 6079
BALERO	6312-22-C3				PZ	2	COYOL 6079
BALERO	6313-22-C3				PZ	2	COYOL 6079
BALERO	NS2311ECP/C4				PZ	4	COYOL 6079
BALERO	6311-2R5R				PZ	3	COYOL 6079
BALERO	6311--2ZRC3				PZ	1	COYOL 6079
BALERO	6312-C3				PZ	1	COYOL 6079
BALERO	6313 2 RSR,C3				PZ	4	COYOL 6079
BALERO	2Z217 EK				PZ	1	COYOL 6079
BALERO	7311BECB4				PZ	4	COYOL 6079
BALERO	FC4351-12				PZ	2	COYOL 6079
BALERO	6313C3E				PZ	2	COYOL 6079
SKF	HA2317				PZ	1	COYOL 6079
BALERO	6311ZC3E				PZ	5	COYOL 6079
BALERO	208 KRR2				PZ	2	COYOL 6079
ESTOPERO	661007005				PZ	1	COYOL 6079
KIT BOMBA KOOMEY FITS OTHER 2 1/2							
BRG-PLAINT RADIAL	M04-1100-010				PZ	11	COYOL 6079
BRG-PLAINT RADIAL	GE2-44-ES-210				PZ	3	COYOL 6079
BALERO	H181-26568				PZ	2	COYOL 6079
HIDRAULIC VALVE	C16005				PZ	1	COYOL 6079
PIN HANDLER	DT11313				PZ	1	COYOL 6079
BALATA PARA FRENO	M16-1000-030				PZ	2	COYOL 6079
SLIDE RING	505-1000-030				PZ	2	COYOL 6079
ORING	11304				PZ	18	COYOL 6079
ORING	S01-1345-01N				PZ	2	COYOL 6079
ORING	S01-1353-01N				PZ	1	COYOL 6079
ORING	S01-1452-01N				PZ	2	COYOL 6079
LOCK PIN WASHER	DT 11317				PZ	2	COYOL 6079
ORING	877655				PZ	3	COYOL 6079
ORING	S01-1367-01N				PZ	1	COYOL 6079
OPRESOR ORIFICE	1097893				PZ	1	COYOL 6079
PLACA CANRIG					PZ	1	COYOL 6079
PLAINT RADIAL	GE80D0				PZ	2	COYOL 6079
TORNILLO DE 1/2					PZ	6	COYOL 6079
ROOLL PIN	1072675				PZ	6	COYOL 6079
ORING	116146				PZ	15	COYOL 6079
KIT SEAL 20MM	753014				PZ	1	COYOL 6079
ROOLL PIN	1067200				PZ	7	COYOL 6079
RETAINING RING	R01-1007-010				PZ	10	COYOL 6079
RESORTE	1067762				PZ	1	COYOL 6079
ROOL PIN	1090047				PZ	13	COYOL 6079
BALANCE VALVE	H09-1001-010				PZ	1	COYOL 6079
INDICADOR	1201-51018				PZ	1	COYOL 6079
DUAL UID OIL	505-1014-010				PZ	8	COYOL 6079
ORING	456BUNA				PZ	22	COYOL 6079
ORING	018-10				PZ	20	COYOL 6079
ORING	OR-436				PZ	5	COYOL 6079
ELECTROVALVULA	508173				PZ	23	COYOL 6079
ESPARRAGO	H13-1036-595				PZ	8	COYOL 6079
INDICADOR DE PREION	N01-1011-010				PZ	1	COYOL 6079
RETEN	505-1003-010				PZ	1	COYOL 6079
ADAPTER	H15-2012-08-08				PZ	7	COYOL 6079
CONEXION 90 GRADOS	1089987				PZ	1	COYOL 6079

NIPLE	48002-3Z4SI					4	PZ	COVOL 6079
TEST ESTATION	H22-1000-010					2	PZ	COVOL 6079
GASKET BRAKE	567-52-3					2	PZ	COVOL 6079
CONEXION	4775-16-24					4	PZ	COVOL 6079
CABLE	M2L 2000-010					1	PZ	COVOL 6079
ARANDOLA	LW-0625-1T					12	PZ	COVOL 6079
ORING	501-1367-01N					1	PZ	COVOL 6079
RETEN RING	M11-1019-010					9	PZ	COVOL 6079
ORING	591-3500-100					3	PZ	COVOL 6079
ORING	1046473					6	PZ	COVOL 6079
ESPARRAGO	H13-1036-575					24	PZ	COVOL 6079
MANGUERA 1/4	1097894					1	PZ	COVOL 6079
PLATE BOMPER	747-10-0					1	PZ	COVOL 6079
ORING METRIC	NM730115					4	PZ	COVOL 6079
RETEN	455015					10	PZ	COVOL 6079
EMPAQUE	587-76-5					2	PZ	COVOL 6079
VIEW LOVER	1071891					1	PZ	COVOL 6079
MORDAZA PARA FRENO						2	PZ	COVOL 6079
MANGUERA 1/2						1	PZ	COVOL 6079
FLINGER	602-30-0					2	PZ	COVOL 6079
ORING	3K9090					2	PZ	COVOL 6079
ORING	012-20					20	PZ	COVOL 6079
RESORTE	M14-1011-010					2	PZ	COVOL 6079
RESORTE	M14-1018-010					6	PZ	COVOL 6079
SEAL RING	600-18-0					1	PZ	COVOL 6079
BRG SPHER ROL	MO1-1009-010					1	PZ	COVOL 6079
CONEXION	1066710					2	PZ	COVOL 6079
BONNET GASKET	V2179327					1	PZ	COVOL 6079
RETEN RING	M11-1039-010					1	PZ	COVOL 6079
SHIELD OIL	600-20-0					1	PZ	COVOL 6079
CLAMP SINGLE	H25-1000-010					1	PZ	COVOL 6079
LUBE PUMP INTERFACE						1	PZ	COVOL 6079
SPLIT RIN	DT 11361					2	PZ	COVOL 6079
PLATO DEL TOP DRIVE						2	PZ	COVOL 6079
BOMBA HIDRAULICA	111A-129-A5-0					1	PZ	COVOL 6079
HONDLER ROTATE	DT 12444					2	PZ	COVOL 6079
SLIDE RING	588-2020					2	PZ	COVOL 6079
PLATE GUIDE	1066764					2	PZ	COVOL 6079
PLATE GUIDE	1066765					2	PZ	COVOL 6079
KIT DEFLECTOR MAIN DRIVE	587-94-0					1	PZ	COVOL 6079
GASKET	7N5880					22	PZ	COVOL 6079
GASKET	855891					4	PZ	COVOL 6079
ORING	6U5066					2	PZ	COVOL 6079
GASKET	4N-1156					4	PZ	COVOL 6079
ORING	5P5600					2	PZ	COVOL 6079
GASKET	1215736					10	PZ	COVOL 6079
CONVERTER	1754998					1	PZ	COVOL 6079
SENSOR GP-PR	161-9926					6	PZ	COVOL 6079
VALVE	7M-9544					2	PZ	COVOL 6079
ORING	9M-4053					1	PZ	COVOL 6079
SPRING	9N-4053					1	PZ	COVOL 6079
ORING	SF-3144					2	PZ	COVOL 6079
SWITCH AS	3.00E-264					1	PZ	COVOL 6079
SLEEVE	7W-7590					6	PZ	COVOL 6079
SENSOR GP	162-9930					4	PZ	COVOL 6079
BOLT	2N-2765					4	PZ	COVOL 6079
RECEPTOR	102-8803					12	PZ	COVOL 6079

SERVILL TOOL	90311							PZ	2		COYOL 6079
KIT GASKET	110-6991							PZ	10		COYOL 6079
KIT GASKET SINGLE FUEL	194-9584							PZ	4		COYOL 6079
GASKET	110-6991							PZ	10		COYOL 6079
GASKET	144-5692							PZ	6		COYOL 6079
GASKET	7N-6957							PZ	5		COYOL 6079
GASKET	144-5692							PZ	4		COYOL 6079
GASKET	2W-7868							PZ	5		COYOL 6079
GASKET	7N-4927							PZ	2		COYOL 6079
FILM-INFO	133-5211							PZ	1		COYOL 6079
KIT TURBO INST								PZ	3		COYOL 6079
SWITCH	127-2331							PZ	2		COYOL 6079
GASKET	7N-5057							PZ	1		COYOL 6079
GASKET	4W-0549							PZ	1		COYOL 6079
BOLT	7L-5443							PZ	1		COYOL 6079
FLECHA PARA MOTOR DE ARRANCA								PZ	1		COYOL 6079
INDICADORES	6V5105							PZ	22		COYOL 6079
PLUNGER	1145477							PZ	5		COYOL 6079
WASHER	5M-2894							PZ	100		COYOL 6079
ORING	5P-0840							PZ	24		COYOL 6079
SENSOR	189-5746							PZ	3		COYOL 6079
KIT GASKET	196-0237							PZ	1		COYOL 6079
VALVE LOVER	1627473							PZ	8		COYOL 6079
SEAL	15-4034							PZ	5		COYOL 6079
CUP	64-7652							PZ	2		COYOL 6079
BALERO	1071597							PZ	4		COYOL 6079
SENSOR	165-6634							PZ	2		COYOL 6079
VALVE AS	5N-8980							PZ	1		COYOL 6079
SENSOR GP-EX	163-7882							PZ	1		COYOL 6079
HARNES AS	129-2245							PZ	3		COYOL 6079
KIT SOLENOID	250-8279							PZ	1		COYOL 6079
LUBE G	119-6284							PZ	2		COYOL 6079
REGULATOR	GI-4950							PZ	8		COYOL 6079
KIT FOLLER	108-4087							PZ	2		COYOL 6079
TAPON DE RADIAADOR	6L-8617							PZ	3		COYOL 6079
SPACER	9U-3408							PZ	1		COYOL 6079
ORING	6V9769							PZ	10		COYOL 6079
POTENCIOMETRO	7C-4471							PZ	3		COYOL 6079
ORING	1072435							PZ	2		COYOL 6079
SERVITTOOL	7X1695							PZ	1		COYOL 6079
METAL W/RUBBER	1272176							PZ	4		COYOL 6079
SENSOR TEMP	102-2240							PZ	1		COYOL 6079
HARNES	221-7096							PZ	2		COYOL 6079
HARNES	7X6370							PZ	1		COYOL 6079
ORING	1345959							PZ	12		COYOL 6079
SENSOR GP	145-2362							PZ	2		COYOL 6079
KIT GASKET	196-0237							PZ	1		COYOL 6079
ORING	1T-0132							PZ	1		COYOL 6079
ORING	7N-2046							PZ	5		COYOL 6079
ORING INTERCOOLER	605054							PZ	4		COYOL 6079
ORING AFTERCOOLER	6V5054							PZ	1		COYOL 6079
SERVILL TOOL	4W-5972							PZ	1		COYOL 6079
KIT BEARING	108-4103							PZ	2		COYOL 6079
BOLT	632438							PZ	17		COYOL 6079
SENSOR GP-PR	194-6725							PZ	11		COYOL 6079
PN	6W-5761							PZ	2		COYOL 6079
KIT GASKET	128-2922							PZ	1		COYOL 6079
ORING	119813							PZ	2		COYOL 6079

BREATHER	96-5127		PZ	3	COYOL 6079
KIT GASKET	196-0237		PZ	1	COYOL 6079
ORING	45-5898		PZ	2	COYOL 6079
NUT	95-1354		PZ	20	COYOL 6079
BOLT	9L-7373		PZ	10	COYOL 6079
BRIDGE A	129-4181T		PZ	1	COYOL 6079
KIT FOLLOWER	108-4086		PZ	2	COYOL 6079
GRASERA	3B-8491		PZ	7	COYOL 6079
KIT REBUID	222-5153		PZ	2	COYOL 6079
INJ GR-FUE	253-1300		PZ	3	COYOL 6079
ROTOR	5N-8388		PZ	1	COYOL 6079
INDICADOR	15700116		PZ	2	COYOL 6079
BRIDGE	154-6387		PZ	3	COYOL 6079
INJ CL	127-9870		PZ	3	COYOL 6079
TAPA	101-4199		PZ	1	COYOL 6079
SEAL AT-TCLR	107-3759		PZ	4	COYOL 6079
RETEN	1073164		PZ	2	COYOL 6079
INJ GR-FUE	250-1300		PZ	3	COYOL 6079
REGULATOR AJ	309-1019		PZ	4	COYOL 6079
FILTRO PARA COMBUSTIBLE	1R-0756		PZA	10	COYOL 6079
FILTRO DE ACEITE	1R-0726		PZA	6	COYOL 6079
LLAVES MIXTAS 5/16			PZ	1	COYOL 6079
LLAVES MIXTAS 3/8			PZ	1	COYOL 6079
LLAVES MIXTAS 7/16			PZ	1	COYOL 6079
LLAVES MIXTAS 1/2			PZ	1	COYOL 6079
LLAVES MIXTAS 9/16			PZ	2	COYOL 6079
LLAVES MIXTAS 5/8			PZ	4	COYOL 6079
LLAVES MIXTAS 11/16			PZ	2	COYOL 6079
LLAVES MIXTAS 3/4			PZ	4	COYOL 6079
LLAVES MIXTAS 13/16			PZ	2	COYOL 6079
LLAVES MIXTAS 7/8			PZ	3	COYOL 6079
LLAVES MIXTAS 15/16			PZ	3	COYOL 6079
LLAVES MIXTAS 1			PZ	4	COYOL 6079
LLAVES MIXTAS 1 1/16			PZ	7	COYOL 6079
LLAVES MIXTAS 1 1/8			PZ	7	COYOL 6079
LLAVES MIXTAS 1 3/16			PZ	1	COYOL 6079
LLAVES MIXTAS 1 1/4			PZ	6	COYOL 6079
LLAVES MIXTAS 1 5/16			PZ	1	COYOL 6079
LLAVES MIXTAS 1 7/16			PZ	1	COYOL 6079
LLAVES MIXTAS 1 1/2			PZ	1	COYOL 6079
LLAVES MIXTAS 1 11/16			PZ	3	COYOL 6079
LLAVES MIXTAS 1 5/8			PZ	1	COYOL 6079
LLAVES MIXTAS 1 3/4			PZ	2	COYOL 6079
LLAVES MIXTAS 1 7/8			PZ	1	COYOL 6079
LLAVES MIXTAS 2			PZ	1	COYOL 6079
LLAVES CURVAS 5/8			PZ	1	COYOL 6079
LLAVES CURVAS 3/4			PZ	1	COYOL 6079
LLAVES CURVAS 11/16			PZ	1	COYOL 6079
LLAVES CURVAS 13/16			PZ	2	COYOL 6079
LLAVES CURVAS 15/16			PZ	2	COYOL 6079
LLAVES CURVAS 1			PZ	1	COYOL 6079
1 1/16			PZ	1	COYOL 6079
LLAVES CURVAS 1 1/8			PZ	1	COYOL 6079
LLAVES CURVAS 1 3/16			PZ	1	COYOL 6079
LLAVES MM 10			PZ	1	COYOL 6079
LLAVES MM 11			PZ	1	COYOL 6079
LLAVES MM 12			PZ	1	COYOL 6079
LLAVES MM 14			PZ	2	COYOL 6079

TOP DRIVE CANRIG 275T 6027E-938 PARTS CES-738

ITEM	DESCRIPTION	MODEL	MANUFACTURE	PART. NUM	BIN	SERIAL	QTY	NEW	USE	DISARME	REMARK
2	TRACTION MOTOR 752TM GE SER 55	GE752AR2A	CANRIG	752 TM	YARDA	30750185	1		1		PD NUMBER 2939
3	VLV. HYD. DIR 3 POSITION 4 WAYS 24V D03	DG4V-32-CHFPSWLH760	VICKERS	H03-1052-010	738-WAREHOUSE		11	2	7	2	
4	VLV. HYD. DIR 3 POSITION 4 WAYS 24V D03	Z2DB-6-VC-2 42/200 V	REXROTH	H03-1051-010	738-WAREHOUSE		2	2			
5	VLV. HYD. DIR 2 POSITION 4 WAYS 24V D03	DG4V-32AHM-FPBWL-H7-60	VICKERS	H03-1053-010	738-WAREHOUSE		7	5	2		
6	VLV.HYD PRESSURE REDUCING SAND D03		REXROTH	H05-1007-010	738-WAREHOUSE		2	1	1		
7	VLV.HYD PRESSURE REDUCING SAND D03		REXROTH	H05-1001-020	738-WAREHOUSE		3	1	2		
8	VLV.HYD PRESSURE RELIEF DUAL SAND D03	ZDB6VA2 42/200 V	REXROTH	H06-1007-010	738-WAREHOUSE		1	1			
9	VLV.HYD PRESSURE RELIEF DUAL SAND D03	Z2DB-6-VC-2 42/200 V	REXROTH	H06-1006-010	738-WAREHOUSE		2	2			
10	VLV.HYD FLOW DUAL THROTTLE D03	Z2F56-2-42/20V	REXROTH	H04-1003-020	738-WAREHOUSE		2	2			
11	TOP DRIVE RUBBER SEAL		CANRIG	AFFI-1	738-WAREHOUSE		2		2		
12	OIL SEAL DOUBLE LIP 6.00X 7.50X.050		CANRIG	S05-1014-010	738-WAREHOUSE		8	6	2		
13	SEALL SLIDE RING ASSY 2.00 X 1.75X .48		CANRIG	S05-1000-030	738-WAREHOUSE		2				
14	IDENTIFICATION CANRIG RIG PLATE	275 TON	CANRIG	168	738-WAREHOUSE		1	1			
15	BEARING PLAIN RADIAL 1.750 X 2.812 X 1.531		CANRIG	M04-1100-010	738-WAREHOUSE		14	14			
16	GAUGE DIFFERENTIAL 0-50 PSI 3000	170130	CANRIG	1201-51018	738-WAREHOUSE		1	1			
17	ROLL PIN 1/2" X 1.00		CANRIG	M17-1006-010	738-WAREHOUSE		6	6			
18	REPAIR KIT ACTUATOR HYDRULIC		CANRIG	M16-1001-01A	738-WAREHOUSE		1	1			
19	SPRING 603-26-0	603-26-0	CANRIG	603-26-0	738-WAREHOUSE		1	1			
20	PAD FRICTION SHOE DISC BRAKE		CANRIG	M16-1000-01A	738-WAREHOUSE		6	6			
21	SPEHERICAL PLAIN BEARING	2RS	ELGES	GEZ-69ES	738-WAREHOUSE		2	2			
22	STUDNUT 10-24	10-24	CANRIG	H13-1035-01A	738-WAREHOUSE		13	13			
23	ROLL PIN 1/2" X 1.25	1/2 X 1.25	CANRIG	M17-1007-010	738-WAREHOUSE		7	7			
24	RETAINER RNG WASHPipe 3"		CANRIG	R01-1007-010	738-WAREHOUSE		9	9			
25	WASHER HANDLER LOCK 275T		CANRIG	DT11317	738-WAREHOUSE		2	2			
26	PRISONER ORIFICE ALLEN		CANRIG	DT11481	738-WAREHOUSE		1	1			
27	RETAINER RING		CANRIG	M011-1022-010	738-WAREHOUSE		4	4			
28	BALL STEEL 7/16"		CANRIG	M17-1003-010	738-WAREHOUSE		1	1			
29	KIT SEAL 20 m.m		CANRIG	753014	738-WAREHOUSE		1			1	UNCOMPLETE
30	KIT SEAL		CANRIG		738-WAREHOUSE		1	1			
31	QUICK HYD COUPLING TEMA 25 11.5 NPT		CANRIG		738-WAREHOUSE		1	1			
32	O'RING 4 X 4 3/4" X 3/16"		CANRIG	S01-1345-01N	738-WAREHOUSE		2	2			
33	VALVE HYDRAULIC 3000 PSI 40 GPM 151LPM		PARKER	H10.44035	738-WAREHOUSE		1	1			
34	HYD VAL ALUMINIUM		SUN HYD	0L04-A-2	738-WAREHOUSE		1	1			
35	CONE BEARING		COMPAIR	H181265	738-WAREHOUSE		2	2			
36	1 1/2" ALLEN HEAD SCREW M.M NF		N/A	N/A	738-WAREHOUSE		8	8			
37	PIN HANDLER LOCK 275T		CANRIG	DT11313	738-WAREHOUSE		2	2			
38	LOCK WASHER		CANRIG		738-WAREHOUSE		2	2			
39	1 1/2" LOCK WASHER		CANRIG		738-WAREHOUSE		25	25			
40	PIN HANLER		CANRIG		738-WAREHOUSE		1	1			
41	3" ALLEN HEAD SCREW NC		CANRIG		738-WAREHOUSE		6	6			
42	3/8" X 4" ALLEN HEAD SCREW NC		CANRIG		738-WAREHOUSE		3	3			
43	O'RING PR 439 VT90 316		CANRIG	PR-439-VT90	738-WAREHOUSE		25	25			
44	O'RING 2411802		CANRIG	2411802	738-WAREHOUSE		3	3			
45	HYD. CYLINDER		CANRIG		738-WAREHOUSE		1		1		
46	SHIM SET		CANRIG	966-19-031	738-WAREHOUSE		1	1			
47	VIEW COVER ACRILIC		CANRIG	966-19-0	738-WAREHOUSE		1	1			
48	SET BOLT TORQUE CLAMP TJC-ASSY 6.65 AMP	DT-10005	CANRIG	593-16-0	738-WAREHOUSE		1	1			

49	HYD. LUBE LINE BRAKE	CANRIG	587-50-13	738-WAREHOUSE	5	5		
50	HYD. FITTING 13/16" X 1/8"	CANRIG		738-WAREHOUSE	1	1		
51	HYD. INLET PLUG	CANRIG		738-WAREHOUSE	1	1		
52	HYD. PIN INLET 02-460-052	CANRIG	02-460-052	738-WAREHOUSE	2	1	1	
53	DIAPHRAM PUMP SHAFT	CANRIG	08-3810-09	738-WAREHOUSE	2	2		
54	PLATE BUMPER DEFLECTOR	CANRIG	747-18-0	738-WAREHOUSE	1	1		
55	HYD. ADAPTER 12MFF OR-12MB 12-12 G60800	CANRIG	G60800	738-WAREHOUSE	4	4		
56	THREADED ROD 10-24 X 5.76 IN LONG	CANRIG	H13-1036-576	738-WAREHOUSE	8	8		
57	THREADED ROD 10-24 X 4.19 IN LONG	CANRIG	H13-1036-419	738-WAREHOUSE	8	8		
58	THREADED ROD 10-24 X 5.20 IN LONG	CANRIG	H13-1036-520	738-WAREHOUSE	8	8		
59	HYD.FITTING 08-08	CANRIG	H15-140157-08-08	738-WAREHOUSE	1	1		
60	HYD. FITTIN	CANRIG	H13-036-010	738-WAREHOUSE	3	3		
61	LOCK WASHER 0.625 IT	CANRIG		738-WAREHOUSE	12	12		
62	GASKET BARKE ACTUATOR	CANRIG	587-52-3	738-WAREHOUSE	4	4		
63	BREATHER AIR MUFFELR 10-32 THR	CANRIG	P08-1000-010	738-WAREHOUSE	1	1		
64	3/8" LOCK NUT TEFFLON	CANRIG		738-WAREHOUSE	100	100		
65	O'RING 115 X 3	CANRIG	MN7-30115	738-WAREHOUSE	3	3		
66	O'RING 877645	CANRIG	877645	738-WAREHOUSE	2	2		
67	OIL SEAL 3.062 X 4.249 X .625	CANRIG	455015	738-WAREHOUSE	4	4		
68	OIL SEAL DOUBLE LIP	CANRIG	N/A	738-WAREHOUSE	6	6		
69	OIL SEAL DOUBLE LIP	CANRIG	N/A	738-WAREHOUSE	2	2		
70	COUPLING HALF ELEMENT	CANRIG	M03-1002-020	738-WAREHOUSE	1	1		
71	SEALS	CANRIG	N/A	738-WAREHOUSE	12	12		
72	O'RING	CANRIG	7602-1600-40	738-WAREHOUSE	10	10		
73	RETAINER RING INT 2.813 BORE X 0.49 THK	CANRIG	M11-1019-010	738-WAREHOUSE	9	9		
74	O'RING 7 1/2" X 7 7/8"X 3/16"	CANRIG	S01-1367-01N	738-WAREHOUSE	1	1		
75	HYD. FITTING 8MP-8MP	CANRIG	49002-32451	738-WAREHOUSE	4	4		
76	HYD. FITTING 8MP-6MP	CANRIG	N/A	738-WAREHOUSE	4	4		
77	HYD. CONN 1/2" SMB-8	CANRIG	N/A	738-WAREHOUSE	1	1		
78	HYD. ELBOW 6MP-6MP	CANRIG	N/A	738-WAREHOUSE	4	4		
79	BUSHING SHAFT	CANRIG	N/A	738-WAREHOUSE	1	1		
80	HYD. TEE 8MP	CANRIG	N/A	738-WAREHOUSE	1	1		
81	HYD. CONN 3/4"	CANRIG	N/A	738-WAREHOUSE	1	1		
82	RETAINER RING	CANRIG	M11-1030-010	738-WAREHOUSE	3	3		
83	SEAL KIT	CANRIG	591-3500-100	738-WAREHOUSE	1	1		
84	GASKET	CANRIG	591-76-5	738-WAREHOUSE	2	2		
85	ROLL CABLE	CANRIG	M2L-2000-010	738-WAREHOUSE	1	1		
86	HYD. HOSE 1/2" ASSY	CANRIG	N/A	738-WAREHOUSE	1	1		
87	HYD. HOSE 1/4" ASSY SW STR 11.50	CANRIG	N/A	738-WAREHOUSE	2	2		
88	LINE TUBE BRAKE FLUID	CANRIG	N/A	738-WAREHOUSE	1	1		
89	FLUID FILL LEVEL BRAKE DEPOSIT	CANRIG	N/A	738-WAREHOUSE	2	2		
90	HYD. ADAPTER 1/2" NPT	CANRIG	N/A	738-WAREHOUSE	2	2		
91	HYD. ELBOW 13/16" X 1/4" NPT	CANRIG	N/A	738-WAREHOUSE	1	1		
92	HYD. ADAPTER STRAIGHT 1/4" NPTX 9/16" NPT	CANRIG	N/A	738-WAREHOUSE	2	2		
93	HYD. CONN 13/16" NPT MALE X 1/4" NPT MALE	CANRIG	N/A	738-WAREHOUSE	1	1		
94	CALIPER DISC BRAKE WGT 17.8 LBS (MEDIO-INCOMPLETO)	M16-1000-010	CANRIG	N/A	738-WAREHOUSE	0.5	0.5	INCOMPLETO MEDIO
95	BUSHING	CANRIG	N/A	738-WAREHOUSE	1	1		
96	SCREW ALLEN HEAD	CANRIG	N/A	738-WAREHOUSE	2	2		
97	LINE TUBE HYD BRAKE FLUID	CANRIG	N/A	738-WAREHOUSE	4	4		
98	HYD. ADAPTER LG MALE 1/2" ORFS X 1/2" ORB	CANRIG	H15-4002-010	738-WAREHOUSE	7	7		
99	PLUG 1794 ASB REMOTE	CANRIG	N21-4002-010	738-WAREHOUSE	2	2		
100	TEST STATION #4	CANRIG	H22-1000-010	738-WAREHOUSE	2	2		
101	OIL SEAL SINGLE LIP 3.500 X 4.376X0.375	CANRIG	S05-1003-010	738-WAREHOUSE	1	1		
102	SPRING COMPRESION .39 ID X .50 OD	CANRIG	M14-1009-010	738-WAREHOUSE	1	1		

103	HYD. ADAPTER STRAIGHT		CANRIG	N/A	738-WAREHOUSE	6	6
104	HYD. ELBOW 12FFOR X 90S SWIVEL		CANRIG	N/A	738-WAREHOUSE	1	1
105	NUT LOCK 3/8" TEFFLON		CANRIG	N/A	738-WAREHOUSE	20	20
106	FLINGER LOWER BEARING TORQUE BOOST	MHE-6277	CANRIG	602-30-0	738-WAREHOUSE	3	3
107	DIE BLOCK ASSY 5.75 X 9.00	MHE-1739	CANRIG	588-06-1-E	738-WAREHOUSE	4	4
108	LUBE PUMP ASSY	111-A-129--AS-0	PARKER	106B	738-WAREHOUSE	0016 1	1
109	STABBING BELL 6.70 ID 5 DP	670-23	CANRIG	829-15-0	738-WAREHOUSE	1	1
110	DISC HUB	58-83-3	CANRIG	587-50-3	738-WAREHOUSE	1	1
111	COUPLIN		CANRIG	1044	738-WAREHOUSE	1	1
112	HYD. CONN SWIVEL 32-32		CANRIG	32-32	738-WAREHOUSE	3	3
113	HYD.ADAPTER	415-070101-32-32	CANRIG	32-32	738-WAREHOUSE	1	1
114	SPLIT RING GOOSNECK 5K 3 BORE 3/4"		CANRIG	DT11361	738-WAREHOUSE	1	1
115	COUPLING SPIDER 48/60		CANRIG	N/A	738-WAREHOUSE	2	2
116	SHIELD OIL GE 761	GE 761	CANRIG	600-20-0	738-WAREHOUSE	1	1
117	RETAINER RING 140 BORE 4.00 TX		CANRIG	M11-1039-018	738-WAREHOUSE	2	2
118	RETAINER RING INT		CANRIG	M11-1020-010	738-WAREHOUSE	2	2
119	RETAINER RING INT		CANRIG	M11-1003-010	738-WAREHOUSE	1	1
120	RETAINNE RING		CANRIG	602-320	738-WAREHOUSE	1	1
121	RETAINER RING		CANRIG	966-13-0	738-WAREHOUSE	1	1
122	BONNET GASKET V2179327		CANRIG	V2179327	738-WAREHOUSE	1	1
123	RETAINER RING		CANRIG	966-21-0	738-WAREHOUSE	1	1
124	RETAINER RING M11-337-010		CANRIG	M11-377-010	738-WAREHOUSE	1	1
125	Y-STRAINER 3/4" NPT		CANRIG	F02-1000-010	738-WAREHOUSE	2	2
126	BEARING		SKF	NU231CECML	738-WAREHOUSE	1	1
127	COVER INTERFACE LUBE PUMP		MAGNALOY	056-42	738-WAREHOUSE	1	1
128	O'RING 3/8"		CANRIG	012-20	738-WAREHOUSE	20	20
129	SEAL RING GE 761 TRACTION MOTOR	MHE-16011-155	CANRIG	600-18-0	738-WAREHOUSE	2	2
130	GEAR PINION 60T TRACTION MOTOR	MHE-1646-0-155	CANRIG	691-13-0	738-WAREHOUSE	1	1
131	CLAMP SINGER 2"		CANRIG	H25-1000-010	738-WAREHOUSE	2	2
132	HYD. CONN		CANRIG	N/A	738-WAREHOUSE	2	2
133	SPRING 1.50 DIA HOLE X 0.75 DIAM ROD		CANRIG	M14-1018-010	738-WAREHOUSE	6	6
134	SPIRING COMPRESSION		CANRIG	M14-1011-010	738-WAREHOUSE	2	2
135	ROD SPRING GUIDE STABBING BELL		CANRIG	829-17-0	738-WAREHOUSE	4	4
136	BEARING TPRD ROL		CANRIG	M01-1012-010	738-WAREHOUSE	1	1
137	BEARING CYLINDRICAL ROL 50X11X40		CANRIG	M01-1023-010	738-WAREHOUSE	1	1
138	BEARING SPHER ROL 85X150X36		CANRIG	M01-1009-010	738-WAREHOUSE	1	1
139	AIR FILTER		ITALY	M110	738-WAREHOUSE	1	1
140	SPRING		CANRIG	N/A	738-WAREHOUSE	2	2
141	CLAMP AIR HOSE 2"		CANRIG	F05-105-010	738-WAREHOUSE	2	2
142	HUB	955399	CANRIG	D3587450	738-WAREHOUSE	1	1
143	DEFLECTOR MAIN DRIVE UNIT	1072644	CANRIG	587-94-0	738-WAREHOUSE	1	1
144	PAD SLIDE WEAR		CANRIG	588-20-0	738-WAREHOUSE	2	2
145	PLATE BUW INNER		CANRIG	829-35-0	738-WAREHOUSE	1	1
146	PLATE GUIDE INNER TUBE BUW		CANRIG	588-46-0	738-WAREHOUSE	2	2
147	PLATE GUIDE INNER TUBE BUW		CANRIG	588-45-0	738-WAREHOUSE	2	2
148	SHIM		CANRIG	N/A	738-WAREHOUSE	8	8
149	FMC 320819		FMC	512218	738-WAREHOUSE	24	24
150	GLAND TORQUE BOOST		CANRIG	602-12-0	738-WAREHOUSE	1	1
151	HANLDE ROTATE POSITION SENSOR		CANRIG	DT12444	738-WAREHOUSE	2	2
152	PLATE STOP BUW LEFT HAND		CANRIG	588-17-0L	738-WAREHOUSE	1	1
153	PLATE STOP BUW RIGHT HAND		CANRIG	588-17-OR	738-WAREHOUSE	1	1
154	SLIDE BLOCK		CANRIG	N/A	738-WAREHOUSE	2	2
155	BLOCK HYD		SUN HYD	9L69-A2	738-WAREHOUSE	1	1
156	PAD SLIDE WEAR		CANRIG	DT11251	738-WAREHOUSE	1	1

157	TAP	MHE3380	CANRIG	DT14434-2	738-WAREHOUSE	1	1	
158	RETAINERS RINGS		CANRIG	N/A	738-WAREHOUSE	10	10	
159	PLATE		CANRIG	EGR-105	738-WAREHOUSE	2	2	
160	PACKING SET WASHPIPE STD 3"		CANRIG	R01-1002-010	RIG MANG. SHACK	3	3	
161	WASHPIPE TUBE 3.00 BORE 5000 PSI 14" LONG		CANRIG	722-10-0	RIG MANG. SHACK	1	1	
162	MODULE GP		CAT	386-6022	RIG MANG. SHACK	1	1	
163	FILTER		778836 WILKERSON	F08-02-S200	RIG MANG. SHACK	1	1	NO TOP DRIVE PROBABLE
164	HYD. VALVE RELIEF 250 PSI 1/2" NPT	H10147	CANRIG	RL50-50	RIG MANG. SHACK	1	1	
165	QUILL GRIPPER CLAMP		CANRIG	N/A	738-WAREHOUSE	1		1

RIG 738 DEPARTAMENTO ELECTRICO
INVENTARIO DE HERRAMIENTAS 27-04-2015

DESCRIPCION	FABRICANTE	MODELO	CANTIDAD	COMENTARIO
Multimetro	Fluke	87 V	2	1 esta malo
Remote Display Trms Clamp Meter	Fluke	381	1	Completo
Earth Ground Clamp	Fluke	1630	1	Completo
Clamp Meter	Tenmars	TM-16E	1	
Hvac Clamp Meter	Fluke	902	1	Malo
Pistola Infrared Thermometer	Fluke	561	1	Completo
Scopemeter , Ocsiloscopio	Fluke	123	1	Completo
Soldador de control electronico	Weller	WES51	1	Completo
Pistola de Soldar	Surtek	140 W , 112553	1	
Taladro alambriico 110vol	Dewalt	DW235G	1	
Taladro a Bateria	Dewalt	DC720	1	Completo
Indicador de fase	Greenlee	5702	1	
Pistola de Calor	Milwaukee	8975	1	
Multimetro	Simpson	260	1	Malo
Medidor de Vibracion	Metrix	5500	1	
Megometro	AEMC Instruments	1250W	1	Completo
Kit de Manómetros A/C	Robinair		1	Falta una Manguera
Kit para Cable Coaxial	Greenlee	45055	1	Completo
Juego de llavas combinadas 17 piezas	Westward	3XU44A	1	Completo
Juego de llaves combinada 14 pieza	Westward	4YR24	1	Incompleta
Juego de dados 3/8	Westward	1KEH7	1	Completo
Juego de destornilladores de copa	Westward		1	Incompleta
Pinza pela cable		298-P	2	
Alicate para electricidad	Klein Tools 1000v		1	
Alicate corte lateral	Urrea	207-G	1	
Alicate tipo pinza	Urrea	22926v	1	
Juego de llaves allen 9 piezas	Westward		1	Completo
Juego de llave allen	Proto		1	Completo
Alicate de corte tipo rachi	Greenlee	760	1	
Cargador de bateria	Schumacker	SE-2352	1	
Cargador de bateria	Soler	670	1	
Juego de destornilladores	Westward	4YP45	1	Incompleta
Juego de machos			1	Incompleta
Varios destornilladores de pala			10	
Varios destornilladores de estria			9	

WAREHOUSE POZA RICA

Art	DESCRIPTION	MODEL	MANUFACTURE	PART. NUM	BIN	SERIAL	QTY	NEW	USE	DISARME	REMARK
1	TRACTION MOTOR TOP DRIVE	GE-761	GE		WAREHOUSE	9	1	1			
2	DC MOTOR	93436	GE		WAREHOUSE	14528	1	1			
3	WASHPIPE TUBE 3.00 BORE 5000 PSI 14" LONG		CANRIG	722-10-0	WAREHOUSE		2	2			
4	PACKING SET WASHPIPE		CANRIG	R01-1002-010	WAREHOUSE		2	2			
5	TJC ASSY 6.65		CANRIG	593-16-1	WAREHOUSE		1	1			
6	VALV. HYD FLOW DUAL THROTL D03 24V		CANRIG	H04-1003-020	WAREHOUSE		1	1			
7	VALV. HYD FLOW DUAL THROTL D03 24V		REXROTH	H03-1051-010	WAREHOUSE		1	1			
8	COUPLING HALF			M031000020	WAREHOUSE		2	2			
9	LUBE PUMP			H011001040	WAREHOUSE		1	1			
10	COUPLING ELEMENT			M031002020	WAREHOUSE		1	1			
11	HOUSING BELL SAE			M181000010	WAREHOUSE		1	1			
12	FERRULE 1/16 OVAL ALUMINUM			M193006010	WAREHOUSE		4	4			
13	VLV HYD DIR 2 POS 4 WAY 24V D03			H031054010	WAREHOUSE		1	1			
14	VLV HYD PRESSURE REDUCING			H051001020	WAREHOUSE		1	1			
15	MANIFOLD TAP-IN			H121002010	WAREHOUSE		2	2			
16	VLV HYD DIR 3 POS 4 WAY 24V D03			H031052010	WAREHOUSE		1	1			
17	TOP DRIVE CANRIG 275 TON NC 50 CONN 5000 PSI	6027E-938	CANRIG	275T	WAREHOUSE	190	1			1	
18	SERVICE LOOP SYSTEM				WAREHOUSE		1			1	
19	MUD PUMPS LINERS 5.5				WAREHOUSE		6	6			
20	MUD PUMPS VALVES				WAREHOUSE		15	15			
21	MUD PUMPS SEAT				WAREHOUSE		4	4			
22	DC CONTROL MODULE 738 RIG			15110	WAREHOUSE		1	1			
23	HYDRAULIC CLUTCH			240545	WAREHOUSE		1	1			

IN THE BORDER-PHARR TEXAS 738 RIG

Art	DESCRIPTION	MODEL	MANUFACTURE	PART. NUM	BIN	SERIAL	QTY	NEW	USE	DISARME	REMARK
1	20VC 1000 KIT FRICTION PAD RIVET AND BLOCK EATON	20VC1000	EATON	146237AC	PHARR		1	1			
2	TURNBUCKLE BODY	250T	CANRIG		PHARR		4				
3	HEX NUT	LCM200	NOV BRANT	03272	PHARR		24				
4	WASHER FLAT	LCM200	NOV BRANT	36CG	PHARR		32				
5	TENSION BOLT	LCM200	NOV BRANT	LM3S00152	PHARR		24				
6	TENSION SPACER	LCM200	NOV BRANT	LM3S10013	PHARR		24				

CES 836 - INVENTORY PARTS RIG 836 2015

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DESCRIPCION	NUMERO DE PARTE	MINIMOS	MAXIMOS	QTY FISICA	U/M	LOCACION	UBICACION	MAQUINAS	COMENTARIOS
PLUG APPLETON 30A	ACP3034BC	1	2	3	PZ	REMOLINO 4341	TALLER ELECT		
PLUG APPLETON 60A	ACP 6034BC	1	2	2	PZ	REMOLINO 4341	TALLER ELECT		
PLUG APPLETON 30A	ACP 3033BC	1	2	2	PZ	REMOLINO 4341	TALLER ELECT		
PLUG APPLETON 100 A (REPARADA)	ACP 1034	1	1	1	PZ	REMOLINO 4341	TALLER ELECT		
PLUG APPLETON	ECP2023	1	2	3	PZ	REMOLINO 4341	TALLER ELECT		
RECEPTACULO APPLETON	ADR 3034	1	2	2	PZ	REMOLINO 4341	TALLER ELECT		
RECEPTACULO APPLETON	ADR6034	1	1	1	PZ	REMOLINO 4341	TALLER ELECT		
CONECTORES GLANDULA 3/4	SHC1038	6	12	15	PZ	REMOLINO 4341	TALLER ELECT		
CONECTOR GLANDULA 1/2		6	12	25	PZ	REMOLINO 4341	TALLER ELECT		
RECEPTACULO APPLETON	ADR1034	1	1	1	PZ	REMOLINO 4341	TALLER ELECT		
CONECTORES GLANDULA 1 "		1	2	2	PZ	REMOLINO 4341	TALLER ELECT		
ALUMINIO POWERTITE BOXES 1"	AEE33	2	4	10	PZ	REMOLINO 4341	TALLER ELECT		
RECEPTACULO APPLETON	EFSC1752023	1	1	2	PZ	REMOLINO 4341	TALLER ELECT		
ALUMINIO POWERTITE BOXES 1 1/4"	AEE46	1	1	2	PZ	REMOLINO 4341	TALLER ELECT		
SENSOR CAT. CN 4.4/C9/C15/C18	642	1	1	1	PZ	REMOLINO 4341	TALLER ELECT		
RECEPTACULO CROUSE-HINDS	CPS-732-R	1	1	1	PZ	REMOLINO 4341	TALLER ELECT		
5 MTS DE CABLE ACERO INOXIDABLE 3/16					PZ	REMOLINO 4341	TALLER ELECT		
SWITCH DE CONTROL DE PRESION.	836T-T253J	1	2	2	PZ	REMOLINO 4341	TALLER ELECT		
COPE	SRL099/100	1	2	1	PZ	REMOLINO 4341	TALLER ELECT		
LAMPARA MULTI-VAPOR (GE)	MVR 400/U	2	4	4	PZ	REMOLINO 4341	TALLER ELECT		
AUTOTRANSFORMADOR (BALASTRO)	M400MLSAC4M	1	1	1	PZ	REMOLINO 4341	TALLER ELECT		
BALEROS SKF	6308-2RS1	2	4	4	PZ	REMOLINO 4341	TALLER ELECT		
BALEROS SKF	6305-2RS1	2	4	2	PZ	REMOLINO 4341	TALLER ELECT		
BALEROS SKF	6207-2Z/C3GJN	2	4	4	PZ	REMOLINO 4341	TALLER ELECT		
TRAMOS TARMOCONTRACTIL DE 1-1/2" PARA REPARAR CABLES				5	PZ	REMOLINO 4341	TALLER ELECT		
TRAMOS TERMOS TERMOCONTRACTIL DE 3/8 PARA REPARAR CABLES				4	PZ	REMOLINO 4341	TALLER ELECT		
LUMINARIA COMPLETA APPLETON	AFL140H04	2	3	3	PZ	REMOLINO 4341	TALLER ELECT		
10 MTS DE CABLE DESNUDO 2/0					PZ	REMOLINO 4341	TALLER ELECT		
CONECTORES DE PALNO PARTIDO MCA BURDY KS -31		1	2	2	PZ	REMOLINO 4341	TALLER ELECT		
100 UNIDADES CINCHOS 300X4.6mm					PZ	REMOLINO 4341	TALLER ELECT		
TERMINAL ZAPATA PARA TIERRA DE MOTORES # 4		1	2	0	PZ	REMOLINO 4341	TALLER ELECT		
ZAPATAS PARA CABLE DESNUDO CALIBRE 40 BURDY AWG 2/0		2	4	5	PZ	REMOLINO 4341	TALLER ELECT		
CAPACITOR DRY 24.0/400V	7C240P40R			9	PZ	REMOLINO 4341	TALLER ELECT		
ALARMA AS-BAC	213-9100	1	1	1	PZ	REMOLINO 4341	TALLER ELECT		
DESARMADOR ESTRELLA		1	2	2	PZ	REMOLINO 4341	TALLER ELECT		
DESARMADOR PLANO		1	2	2	PZ	REMOLINO 4341	TALLER ELECT		
PINZAS DE CORTES		1	1	1	PZ	REMOLINO 4341	TALLER ELECT		
AMPERIMETRO DE GANCHO A 600 VOLTS		1	1	1	PZ	REMOLINO 4341	TALLER ELECT		
MEGGER		1	1	1	PZ	REMOLINO 4341	TALLER ELECT		
JUEGO DE LLAVES ALLEN STANDAR		1	1	1	PZ	REMOLINO 4341	TALLER ELECT		
JUEGO DE LLAVES ALLEN MILIMETRICA		1	1	1	PZ	REMOLINO 4341	TALLER ELECT		

	NUMERO DE PARTE	MINIMOS	MAXIMOS	QTY FISICA	U/M	LOCACION	UBICACION	MAQUINAS	COMENTARIOS
LLAVE STEELSON 60		1	1	1	PZA	REMOLINO 4341	TALLER MECANICO		Used
LLAVE STEELSON 48		1	1	1	PZA	REMOLINO 4341	TALLER MECANICO		Used
LLAVE STEELSON 36		1	3	3	PZA	REMOLINO 4341	TALLER MECANICO		Used
LLAVE DE GOLPE 2 15/16		1	1	1	PZA	REMOLINO 4341	TALLER MECANICO		Used
LLAVE DE GOLPE 3 1/2		1	1	1	PZA	REMOLINO 4341	TALLER MECANICO		Used
LLAVE DE GOLPE 2 3/4		1	2	2	PZA	REMOLINO 4341	TALLER MECANICO		Used
LLAVE DE GOLPE 2 3/8		1	2	1	PZA	REMOLINO 4341	TALLER MECANICO		Used
LLAVE DE GOLPE 2"		1	2	2	PZA	REMOLINO 4341	TALLER MECANICO		Used
LLAVE DE GOLPE 2 7/8		1	2	2	PZA	REMOLINO 4341	TALLER MECANICO		Used
LLAVE DE GOLPE 1 5/8		1	2	1	PZA	REMOLINO 4341	TALLER MECANICO		Used
ESLINGAS 4X12		1	2	2	PZA	REMOLINO 4341	TALLER MECANICO		Used
ESLINGAS 2X6		2	4	5	PZA	REMOLINO 4341	CAMPER		
ESLINGA 3X10		1	2	1	PZA	REMOLINO 4341	CAMPER		
COLA DE CINTO		1	2	1	PZA	REMOLINO 4341	CAMPER		
ADITIVO PARA AGUA		1	2	1	PZA	REMOLINO 4341	CAMPER		
DESARMADORES		2	4	4	PZA	REMOLINO 4341	CAMPER		
CAJAS CON FILTROS		1	2	3	PZA	REMOLINO 4341	CAMPER		
CAJAS CON TOALLAS LIMPIADORAS PARA LENTES		1	2	2	PZA	REMOLINO 4341	CAMPER		
CAJA DE TAPONES AUDITIVOS		1	2	1	PZA	REMOLINO 4341	CAMPER		
GOOGLES		1	2	1	PZA	REMOLINO 4341	CAMPER		
CINTA DE 30 MTS MARCA LUFKIN		1	2	1	PZA	REMOLINO 4341	CAMPER		
CINTA DE 30 MTS SIN MARCA		1	2	1	PZA	REMOLINO 4341	CAMPER		
LENTE CLAROS DE SEGURIDAD		6	12	7	PZA	REMOLINO 4341	CAMPER		
CAJA DE PINES DIFERENTES MEDIDAS				1	PZA	REMOLINO 4341	CAMPER		
COMPASES (INTERIOR Y EXTERIOR)		1	1	1	PZA	REMOLINO 4341	CAMPER		
EMPAQUES PARA 4"		6	12	10	PZA	REMOLINO 4341	CAMPER		
EMPAQUES PARA 6"		2	4	4	PZA	REMOLINO 4341	CAMPER		
EMPAQUES PARA 2"		6	12	13	PZA	REMOLINO 4341	CAMPER		
EMPAQUES DE 4" PARA MANGUERA GRANDE		2	4	2	PZA	REMOLINO 4341	CAMPER		
CAJAS DE MARCADORES AMARILLOS		2	6	7	PZA	REMOLINO 4341	CAMPER		
CORNETA		1	1	1	PZA	REMOLINO 4341	CAMPER		
CABLE DE SEGURIDAD 1/16"		1	2	1	PZA	REMOLINO 4341	CAMPER		
CINTURON DE SEGURIDAD		1	2	1	PZA	REMOLINO 4341	CAMPER		
DADOS PARA MORDAZAS DEL BRAZO		2	8	3	PZA	REMOLINO 4341	CAMPER		
CAJAS DE DADOS PARA EL ARTURITO		2	6	7	PZA	REMOLINO 4341	CAMPER		
CAJA DE GRALICAS				1	PZA	REMOLINO 4341	CAMPER		
MANOMETRO DE 3000 PSI		1	2	3	PZA	REMOLINO 4341	CAMPER		
MANOMETRO DE 1000 PSI		2	4	4	PZA	REMOLINO 4341	CAMPER		
MANOMETRO DE 300 PSI		2	4	5	PZA	REMOLINO 4341	CAMPER		
MANOMETRO DE 60 PSI		1	2	1	PZA	REMOLINO 4341	CAMPER		
MANOMETRO PARA TORQUE VENTURETECH		1	2	2	PZA	REMOLINO 4341	CAMPER		
MANOMETRO DE 10000 PSI		1	1	1	PZA	REMOLINO 4341	CAMPER		
MANOMETRO DE 700 PSI		2	4	4	PZA	REMOLINO 4341	CAMPER		
KIT CHLORINE K-2500		1	1	1	PZA	REMOLINO 4341	CAMPER		
FRASCO SELLANTE LOCTITE		1	2	2	PZA	REMOLINO 4341	CAMPER		
BOTE DE AIRE COMPROMIDO (USADO)		1	2	2	PZA	REMOLINO 4341	CAMPER		
BOTE DE DERMASHIELD		1	2	2	PZA	REMOLINO 4341	CAMPER		
BOTE DE LIMPIA PARTES DE FRENO		1	2	1	PZA	REMOLINO 4341	CAMPER		
FILTRO DE AIRE		1	2	1	PZA	REMOLINO 4341	CAMPER		
SELLO MECANICO		1	2	2	PZA	REMOLINO 4341	CAMPER		
BOTE DE AEROSOL COLOR NEGRO				1	PZA	REMOLINO 4341	CAMPER		
GALON LIMPIADOR DE LENTES		1	1	1	PZA	REMOLINO 4341	CAMPER		
JUEGO DE LIMAS		1	1	1	PZA	REMOLINO 4341	CAMPER		
SENSOR PARA CAMBIO DE VELOCIDAD		1	1	1	PZA	REMOLINO 4341	CAMPER		
KIT ORING MARCA LAWSON		1	1	1	PZA	REMOLINO 4341	CAMPER		

KIT ORING MARCAR PARKER		1	1	1	PZA	REMOLINO 4341	CAMPER	
JURGO DE GOMA PARA CHAQUETA		1	1	1	PZA	REMOLINO 4341	CAMPER	
PINTURA DE AEROSOL COLOR ROJA		1	2	1	PZA	REMOLINO 4341	CAMPER	
PACKING SET		1	2	2	PZA	REMOLINO 4341	CAMPER	
VALVULA DE SEGURIDAD MARCA BENDIX	284143	1	2	2	PZA	REMOLINO 4341	CAMPER	
BODY THREE-WAY	SA-3301-62	1	2	1	PZA	REMOLINO 4341	CAMPER	
SHFT SLV ASY	641102181	1	2	1	PZA	REMOLINO 4341	CAMPER	
BOTES WIRELOCK		2	3	4	PZA	REMOLINO 4341	CAMPER	
CAJA SEAL MECH		1	2	1	PZA	REMOLINO 4341	CAMPER	
TUBOS PARA CHECAR DIESEL DE 3"		5	10	10	PZA	REMOLINO 4341	CAMPER	
METRO DE ALUMINIO FLEXIBLE				0.5	PZA	REMOLINO 4341	CAMPER	
BOMBA DE ACEITE PARA EQUIPO DE INTUMENTACION		1	2	1	PZA	REMOLINO 4341	CAMPER	
REGULADOR DE AIRE		1	1	1	PZA	REMOLINO 4341	CAMPER	
HOJAS PARA CEGUETA		6	12	4	PZA	REMOLINO 4341	CAMPER	
PACKING GATE DE 2" (PARA VALVULAS)	OGV236B	1	2	2	PZA	REMOLINO 4341	CAMPER	
CADENAS DE PIN		1	3	3	PZA	REMOLINO 4341	CAMPER	
AEROSOL MULTIUSOS WD-40		5	10	5	PZA	REMOLINO 4341	CAMPER	
CINTA GRIS (USADAS)		1	2	11	PZA	REMOLINO 4341	CAMPER	
CINTA GRIS (NUEVAS)		2	4	4	PZA	REMOLINO 4341	CAMPER	
TUBOS DE GRASA		10	20	10	PZA	REMOLINO 4341	CAMPER	
GRILLETES MARCA GUNNEBO				3	PZA	REMOLINO 4341	CAMPER	
GRILLETES MARCA GROSBY				3	PZA	REMOLINO 4341	CAMPER	
CINTA AISLANTE ELECTRICA		5	10	10	PZA	REMOLINO 4341	CAMPER	
MARTILLO BOLA 48 OZ		1	1	1	PZA	REMOLINO 4341	CAMPER	
MARTILLO BOLA 12 OZ		1	1	1	PZA	REMOLINO 4341	CAMPER	
CABOS PARA MARRO DE 12"		2	4	2	PZA	REMOLINO 4341	CAMPER	2 SEND TO 737
CEPILLO DE ALAMBRE		2	6	2	PZA	REMOLINO 4341	CAMPER	
BOLSA DE CINCHOS DE PLASTICO NEGRO		1	2	1	PZA	REMOLINO 4341	CAMPER	
VALVULA DE PASO 3/4"		1	3	3	PZA	REMOLINO 4341	CAMPER	
COUPLING MODEL 7R PARA MOTOR		1	2	2	PZA	REMOLINO 4341	CAMPER	
GRASERA		1	2	1	PZA	REMOLINO 4341	CAMPER	
CINTAS REFLEJANTES		1	2	2	PZA	REMOLINO 4341	CAMPER	
VALVULA DE PASO 1/2"		1	2	2	PZA	REMOLINO 4341	CAMPER	
ANILLO R-54		2	6	1	PZA	REMOLINO 4341	CAMPER	
ANILLO R-35		2	4	2	PZA	REMOLINO 4341	CAMPER	
TUBO LAVADOR		2	4	4	PZA	REMOLINO 4341	CAMPER	
VALVULA REBULED KIK LINE		1	1	1	PZA	REMOLINO 4341	CAMPER	
SABUCAN				1	PZA	REMOLINO 4341	CAMPER	
MANOMETRO DE 5000 PSI		2	4	5	PZA	REMOLINO 4341	CAMPER	
FILTRO MARCA DONALDSON	P-565146	2	6	3	PZA	REMOLINO 4341	CAMPER	
VALVULA DE ESFERA DE 2"				4	PZA	REMOLINO 4341	CAMPER	
CADENA DE LLAVE		1	2	2	PZA	REMOLINO 4341	CAMPER	
QUIJADA PARA LLAVE		2	4	1	PZA	REMOLINO 4341	CAMPER	
DELANTALES PARA SOLDADOR		1	2	2	PZA	REMOLINO 4341	CAMPER	
CLIPPER OIL SEALS		2	4	4	PZA	REMOLINO 4341	CAMPER	
LLAVE DE GOLPE DE 1 1/4"		1	2	2	PZA	REMOLINO 4341	CAMPER	
LLAVE DE GOLPE DE 2"		1	2	1	PZA	REMOLINO 4341	CAMPER	
CAMARA PARA TUBO DE 12"		1	2	1	PZA	REMOLINO 4341	CAMPER	
LUBRI-DISC		3	6	6	PZA	REMOLINO 4341	CAMPER	
CEPILLO DE MANO		2	6	0	PZA	REMOLINO 4341	CAMPER	2 SEND TO 738
ESCURRIDORES		2	6	4	PZA	REMOLINO 4341	CAMPER	
MANGOS DE ESCURRIDOR		2	6	3	PZA	REMOLINO 4341	CAMPER	
CAMISAS 5"		3	6	3	PZA	REMOLINO 4341	TALLER MECH	
CAMISAS 5 1/2"		3	6	6	PZA	REMOLINO 4341	TALLER MECH	
CAMISAS 6"		3	6	12	PZA	REMOLINO 4341	TALLER MECH	
PISTON 5"		3	6	3	PZA	REMOLINO 4341	TALLER MECH	
PISTON 5 1/2"		3	6	7	PZA	REMOLINO 4341	TALLER MECH	
PISTON 6"		3	6	8	PZA	REMOLINO 4341	TALLER MECH	
EMPAQUES PARA TAPON		4	6	0	PZA	REMOLINO 4341	TALLER MECH	
VALVULA FULL OPEN	9700285	6	12	0	PZA	REMOLINO 4341	TALLER MECH	

ACIENTO PARA VALVULA	9702547	6	12	1	PZA	REMOLINO 4341	TALLER MECH		
RESORTES		6	12	8	PZA	REMOLINO 4341	TALLER MECH		
MURCIELAGO				3	PZA	REMOLINO 4341	TALLER MECH		
GRAMPAS PARA PISTONES		2	4	4	PZA	REMOLINO 4341	TALLER MECH		
CAMARAS DE AIRE 10"		2	6	5	PZA	REMOLINO 4341	TALLER MECH		
CAMARAS DE AIRE 8"		2	4	4	PZA	REMOLINO 4341	TALLER MECH		
RGLTR AIR,1-125 PSI	1153-1100	1	1	1	PZA	REMOLINO 4341	TALLER MECH		
VALVULA DE PASO 12"		1	1		PZA	REMOLINO 4341	TALLER MECH		
VALVULA DE PASO 8"		1	2	1	PZA	REMOLINO 4341	TALLER MECH		
VALVULA DE PASO 6"		2	6	10	PZA	REMOLINO 4341	TALLER MECH		
VALVULA DE PASO 5 1/2"		1	2	1	PZA	REMOLINO 4341	TALLER MECH		
VALVULA DE PASO 4"		2	3	3	PZA	REMOLINO 4341	TALLER MECH		
VALVULA DE ALIVIO		1	1		PZA	REMOLINO 4341	TALLER MECH		
PRV,STEM,3500 S56110 OTECO	141235	1	2	1	PZA	REMOLINO 4341	TALLER MECH		
PRV PISTON 283.5K,SP4710 OTECO	141025	1	2	1	PZA	REMOLINO 4341	TALLER MECH		
GV,STMPK,7266&C,436,NB OTECO		1	2	2	PZA	REMOLINO 4341	TALLER MECH		
GV,0- RING 72,66,OR 236 NBR OTECO PARA VALVULA 4"		2	4	6	PZA	REMOLINO 4341	TALLER MECH		
EMPAQUES 4" PARA VALVULAS 4 "		1	2	3	PZA	REMOLINO 4341	TALLER MECH		
PALETA PARA VALVULA 4" OTECO		1	2	2	PZA	REMOLINO 4341	TALLER MECH		
PALETA PARA VALVULA 2 " OTECO		1	2	2	PZA	REMOLINO 4341	TALLER MECH		
EMPAQUES DE 6" PARA VALVULAS OTECO		2	4	4	PZA	REMOLINO 4341	TALLER MECH		
CLAVOS PARA MURCIELAGO				2	PZA	REMOLINO 4341	TALLER MECH		
CODO DE 90 GRADOS 2 1/2"		1	1	3	PZA	REMOLINO 4341	SCAMPRINCIPAL		
SEGMENTO PARA CUÑAS DE TR				3	PZA	REMOLINO 4341	SCAMPRINCIPAL		
SEGMENTO PARA CUÑAS DE PARA TP Y DC VARIOS				30	PZA	REMOLINO 4341	SCAMPRINCIPAL		
GRASA PARA TUBERI TP				3	PZA	REMOLINO 4341	SCAMPRINCIPAL		
VALVULA ALIVIO ODRIL WORK PRESS 5,000 TEST PRESS 10,000				3	PZA	REMOLINO 4341	SCAMPRINCIPAL		
OTECO PRESURE RELIETF 5000 PSI MAX WORKING PRESURE		1	1	1	PZA	REMOLINO 4341	SCAMPRINCIPAL		
CODO DE ALTA 4" 90 GRADOS		2	4	4	PZA	REMOLINO 4341	SCAMPRINCIPAL		
COPLÉ DE ALTA 4" 45 GRADOS		1	2	2	PZA	REMOLINO 4341	SCAMPRINCIPAL		
COPLÉ DE BAJA 4"45 GRADOS		1	2	1	PZA	REMOLINO 4341	SCAMPRINCIPAL		
TAPON DE ALTA 2 "		1	2	1	PZA	REMOLINO 4341	SCAMPRINCIPAL		
CODO DE ALTA 2" 90 GRADOS		1	3	3	PZA	REMOLINO 4341	SCAMPRINCIPAL		
ABRASADERA PARA MANGUERA 8"		2	4	3	PZA	REMOLINO 4341	SCAMPRINCIPAL		
ABRASADERA PARA MANGUERA 6"		2	4	4	PZA	REMOLINO 4341	SCAMPRINCIPAL		
EMPAQUES DE GOMAS PARA VALVULAS DE PRESAS 6"		2	4	1	PZA	REMOLINO 4341	SCAMPRINCIPAL		
CHACOS IDENTIFICA ABIERTO O CERRADO DE VALVULA ESTRANGULACION		1	1	5	PZA	REMOLINO 4341	SCAMPRINCIPAL		
MANGUERA PARA EXTINGUIR FUEGO USADAS				3	PZA	REMOLINO 4341	SCAMPRINCIPAL		
NIPLES PARA MANGUERAS DE BAJA 8"		1	2	3	PZA	REMOLINO 4341	SCAMPRINCIPAL		
NIPLES PARA MANGUERAS DE BAJA 6"		2	4	9	PZA	REMOLINO 4341	SCAMPRINCIPAL		
NIPLES PARA MANGUERAS DE BAJA 4"		2	4	11	PZA	REMOLINO 4341	SCAMPRINCIPAL		
NIPLES PARA MANGUERAS DE BAJA 3"		2	4	5	PZA	REMOLINO 4341	SCAMPRINCIPAL		
BASE PARA NIPLE 11" CAMPAN CON ANILLO		1	1	1	PZA	REMOLINO 4341	SCAMPRINCIPAL		
TUERCA 1"		8	16	18	PZA	REMOLINO 4341	SCAMPRINCIPAL		
TUERCAS 15/16		24	48	45	PZA	REMOLINO 4341	SCAMPRINCIPAL		
TORNILLO 15/16 " X 3 LONG		24	48	38	PZA	REMOLINO 4341	SCAMPRINCIPAL		
CODO SOLDABLE 3"		1	1	1	PZA	REMOLINO 4341	SCAMPRINCIPAL		
UNION HEMBRA 2"		1	3	3	PZA	REMOLINO 4341	SCAMPRINCIPAL		
NIPLE 3"					PZA	REMOLINO 4341	SCAMPRINCIPAL		
VALVULA CHECK 2"		1	1	1	PZA	REMOLINO 4341	SCAMPRINCIPAL		
VALVULA CHECK 1/2"		1	1	1	PZA	REMOLINO 4341	SCAMPRINCIPAL		

	NUMERO DE PARTE	MINIMOS	MAXIMOS	QTY FISICA	U/M	LOCACION	UBICACION	MAQUINAS	COMENTARIOS
LLAVES MIXTAS						REMOLINO 4341	TALLER MECH		Used
1.7/8		1	2	2	PZA	REMOLINO 4341	TALLER MECH		Used
1.1/2		1	2	1	PZA	REMOLINO 4341	TALLER MECH		Used
1.3/8		1	2	1	PZA	REMOLINO 4341	TALLER MECH		Used
1.5/16		1	2	1	PZA	REMOLINO 4341	TALLER MECH		Used
1.1/8		1	2	4	PZA	REMOLINO 4341	TALLER MECH		Used
1.1/16		1	2	3	PZA	REMOLINO 4341	TALLER MECH		Used
1"		1	2	3	PZA	REMOLINO 4341	TALLER MECH		Used
15		1	2	2	PZA	REMOLINO 4341	TALLER MECH		Used
16		1	2	2	PZA	REMOLINO 4341	TALLER MECH		Used
.7/8		1	2	2	PZA	REMOLINO 4341	TALLER MECH		Used
13/16		1	2	3	PZA	REMOLINO 4341	TALLER MECH		Used
.3/4		1	2	2	PZA	REMOLINO 4341	TALLER MECH		Used
.11/16		1	2	1	PZA	REMOLINO 4341	TALLER MECH		Used
.5/8		1	2	1	PZA	REMOLINO 4341	TALLER MECH		Used
.9/16		1	2	1	PZA	REMOLINO 4341	TALLER MECH		Used
.7/16		1	2	1	PZA	REMOLINO 4341	TALLER MECH		Used
.1/4		1	2	1	PZA	REMOLINO 4341	TALLER MECH		Used
DADOS PARA RACHED		1	2	1	PZA	REMOLINO 4341	TALLER MECH		Used
1.1/4		1	2	2	PZA	REMOLINO 4341	TALLER MECH		Used
1.1/8		1	2	2	PZA	REMOLINO 4341	TALLER MECH		Used
.11/16		1	2	2	PZA	REMOLINO 4341	TALLER MECH		Used
1"		1	2	2	PZA	REMOLINO 4341	TALLER MECH		Used
15/16		1	2	2	PZA	REMOLINO 4341	TALLER MECH		Used
.7/8		1	2	2	PZA	REMOLINO 4341	TALLER MECH		Used
13/16		1	2	2	PZA	REMOLINO 4341	TALLER MECH		Used
.3/3		1	2	2	PZA	REMOLINO 4341	TALLER MECH		Used
.11/16		1	2	2	PZA	REMOLINO 4341	TALLER MECH		Used
.5/8		1	2	2	PZA	REMOLINO 4341	TALLER MECH		Used
.9/16		1	2	2	PZA	REMOLINO 4341	TALLER MECH		Used
.1/2		1	2	2	PZA	REMOLINO 4341	TALLER MECH		Used
.7/16		1	2			REMOLINO 4341	TALLER MECH		Used
TORQUIMETRO DE 1/2"		1	1	1	PZA	REMOLINO 4341	TALLER MECH		Used
cortadora		1	1	1	PZA	REMOLINO 4341	TALLER MECH		Used
sierra		1	1	1	PZA	REMOLINO 4341	TALLER MECH		Used
juego de pinzas candaderas		1	1	1	PZA	REMOLINO 4341	TALLER MECH		Used
inyectores de grasa		2	3	3	PZA	REMOLINO 4341	TALLER MECH		Used
set de tarraja		1	2	2	PZA	REMOLINO 4341	TALLER MECH		Used
esmeril		1	1	1	PZA	REMOLINO 4341	TALLER MECH		Used
tornillo de banco		1	1	1	PZA	REMOLINO 4341	TALLER MECH		Used
porta power		1	1	1	PZA	REMOLINO 4341	TALLER MECH		Used
set de machuelos		1	1	1	PZA	REMOLINO 4341	TALLER MECH		Used
llaves para blokear		1	2	2	PZA	REMOLINO 4341	TALLER MECH		Used
sincho para quitar filtros		1	1	1	PZA	REMOLINO 4341	TALLER MECH		Used
una base de camara de pulsaciones		1	1	1	PZA	REMOLINO 4341	TALLER MECH		
un piston para iron rouneck		1	2	1	PZA	REMOLINO 4341	TALLER MECH		
piston para meter llaves		1	2	1	PZA	REMOLINO 4341	TALLER MECH		
un piston para sentar el mastil		1	1	1	PZA	REMOLINO 4341	TALLER MECH		
piston para ajustar rams		1	2	2	PZA	REMOLINO 4341	TALLER MECH		
							TALLER MECH		
mangueras de baja 2" 80 feet		1	2	2	PZA	REMOLINO 4341			
mangueras de baja 1.1/2 60 feet		1	2	1	PZA	REMOLINO 4341	TALLER MECH		

mangueras de baja 3/4 30 feet	1	2	1	PZA	REMOLINO 4341	TALLER MECH	
mangueras de baja 5/8 20 feet	1	2	1	PZA	REMOLINO 4341	TALLER MECH	
mangueras de baja 3/8 140	1	1	1	PZA	REMOLINO 4341	TALLER MECH	
mangueras de baja 1/2 120 feet	1	1	0	PZA	REMOLINO 4341	TALLER MECH	1 SEND TO 737
manguera de baja flexible 3" 18 feet	1	1	1	PZA	REMOLINO 4341	TALLER MECH	
Manguera de alta				PZA	REMOLINO 4341	TALLER MECH	
manguera de alta 3" 8 feet	1	1	1	PZA	REMOLINO 4341	TALLER MECH	
manguera de alta 2" 40 feet	1	1	1	PZA	REMOLINO 4341	TALLER MECH	
manguera de alta 3/4 100 feet	1	1	1	PZA	REMOLINO 4341	TALLER MECH	
manguera de alta 1/2 100 feet	1	1	0	PZA	REMOLINO 4341	TALLER MECH	1 SEND TO 737
Plato para centrifuga	1	1	1	PZA	REMOLINO 4341	TALLER MECH	
impele para centrifuga	1	1		PZA	REMOLINO 4341	TALLER MECH	
bomba de agua del motor caterpillar 3508	1	1	1	PZA	REMOLINO 4341	TALLER MECH	
embrague para las bombas de lodo	1	2	1	PZA	REMOLINO 4341	TALLER MECH	
camara de pulsaciones	1	2	1	PZA	REMOLINO 4341	TALLER MECH	
Tornilleria	1	1	1	PZA	REMOLINO 4341	TALLER MECH	
5/16 x 1.1/2	10	20	1	PZA	REMOLINO 4341	TALLER MECH	
1/4 x 2.1/2	25	50	70	PZA	REMOLINO 4341	TALLER MECH	
1/4 x 2"	25	50	70	PZA	REMOLINO 4341	TALLER MECH	
5/16 x 2"	25	50	40	PZA	REMOLINO 4341	TALLER MECH	
3/8 x 2"	25	50	70	PZA	REMOLINO 4341	TALLER MECH	
3/8 x 2.1/2	25	50	50	PZA	REMOLINO 4341	TALLER MECH	
5/16 x 2.1/2	25	50	65	PZA	REMOLINO 4341	TALLER MECH	
3/8 x 2.3/4	25	50	40	PZA	REMOLINO 4341	TALLER MECH	
1/4 x 3"	10	20	20	PZA	REMOLINO 4341	TALLER MECH	
1/4 x 2 .3/4	10	20	20	PZA	REMOLINO 4341	TALLER MECH	
5/16 x 3"	10	20	38	PZA	REMOLINO 4341	TALLER MECH	
3/8 x 3/4	10	20	20	PZA	REMOLINO 4341	TALLER MECH	
3/8 x 1.1/2	10	20	37	PZA	REMOLINO 4341	TALLER MECH	
3/8 x 3"	10	20	65	PZA	REMOLINO 4341	TALLER MECH	
1/2 x 1	20	40	34	PZA	REMOLINO 4341	TALLER MECH	
1/2 x 1.1/2	20	40	6	PZA	REMOLINO 4341	TALLER MECH	
1/2 x 2"	20	40	5	PZA	REMOLINO 4341	TALLER MECH	
1/2 x 3"	20	40	30	PZA	REMOLINO 4341	TALLER MECH	
5/8 x 1.1/2	20	40	35	PZA	REMOLINO 4341	TALLER MECH	
3/4 x 2.1/2	20	40	24	PZA	REMOLINO 4341	TALLER MECH	
3/4 x 3"	20	40	5	PZA	REMOLINO 4341	TALLER MECH	
7/8 x 4"	20	40	40	PZA	REMOLINO 4341	TALLER MECH	
7/8 x 1.1/2	20	40	2	PZA	REMOLINO 4341	TALLER MECH	
1 . 1/2	20	40	20	PZA	REMOLINO 4341	TALLER MECH	
2"	20	40	20	PZA	REMOLINO 4341	TALLER MECH	
2 . 1/2	20	40	10	PZA	REMOLINO 4341	TALLER MECH	
3"	20	40	8	PZA	REMOLINO 4341	TALLER MECH	
3 . 1/2	20	40	12	PZA	REMOLINO 4341	TALLER MECH	
4"	20	40	20	PZA	REMOLINO 4341	TALLER MECH	
CONEXIONES RAPIDAS 1"	4	8	8	PZA	REMOLINO 4341	TALLER MECH	
CONEXIONES RAPIDAS 3/4"	4	8	6	PZA	REMOLINO 4341	TALLER MECH	
CONEXIONES RAPIDAS 1/2"	4	8	5	PZA	REMOLINO 4341	TALLER MECH	
ACEITE TRANSMISION FLUI MD3	3	6	1	CUBET	REMOLINO 4341	AREA MENB	
ACEITE HIPERSYN 46	2	4	0	CUBET	REMOLINO 4341	AREA MENB	
ACEITE 15 W 40	1	2	1	DRUM	REMOLINO 4341	AREA MENB	
CLARITY HDRULICO 68	1	2	0	DRUM	REMOLINO 4341	AREA MENB	
COOLANT / ANTIFREEZE B /50/50	1	2	1	DRUM	REMOLINO 4341	AREA HPU	
FILTRO DE AIRE ELEMEN 8N-6309	2	4	4	PZA	REMOLINO 4341	AREA HPU	
FILTRO DE AIRE ELEMEN A-A 8N 2556	2	4	5	PZA	REMOLINO 4341	AREA HPU	
FILTRO DE AIRE GI/2509	2	4	3	PZA	REMOLINO 4341	AREA HPU	
FILTRO DE AIRE P532509	2	4	3	PZA	REMOLINO 4341	AREA HPU	
FILTRO DE AIRE P822769	1	2	1	PZA	REMOLINO 4341	AREA HPU	

FILTRO DE AIRE 00521-0605		1	2	1	PZA	REMOLINO 4341	AREA HPU		
FILTRO DE AIRE GI/2510		2	4	6	PZA	REMOLINO 4341	AREA HPU		
FILTRO DE AIRE 106/3973		2	4	4	PZA	REMOLINO 4341	AREA HPU		
FILTRO DE AIRE 222-9020		2	6	5	PZA	REMOLINO 4341	AREA HPU		
FILTRO DE AIERE ICS- EGP-415/600		2	6	8	PZA	REMOLINO 4341	AREA HPU		
FILTRO DE AIERE PRIMARI ELEMEN 256-7902		2	4	3	PZA	REMOLINO 4341	AREA HPU		
FILTRO DE AIERE ELEMEN AS/P2229020		2	4	3	PZA	REMOLINO 4341	AREA HPU		
FILTRO DE AIERE ELEMEN 151-7737		2	4	3	PZA	REMOLINO 4341	AREA HPU		
FILTRO DE AIERE ELEMEN P822768		2	4	2	PZA	REMOLINO 4341	AREA HPU		
FILTROS DE ACEITE 1R-0726		1	2	2	PZA	REMOLINO 4341	AREA HPU		
FILTROS DE ACEITE 1R-0756		1	2	1	PZA	REMOLINO 4341	AREA HPU		
FILTROS DE ACEITE P550299		2	4	9	PZA	REMOLINO 4341	AREA HPU		
FILTROS DE ACEITE BT 389-10		2	6	6	PZA	REMOLINO 4341	AREA HPU		
FILTROS DE ACEITE P164384		2	6	13	PZA	REMOLINO 4341	AREA HPU		
FILTROS DE ACEITE P163324		2	6	5	PZA	REMOLINO 4341	AREA HPU		
FILTROS DE ACEITE P565149		2	6	3	PZA	REMOLINO 4341	AREA HPU		
FILTROS DE ACEITE 16-8878		2	6	3	PZA	REMOLINO 4341	AREA HPU		
FILTROS DE ACEITE 126-1818		2	6	7	PZA	REMOLINO 4341	AREA HPU		
FILTROS DE ACEITE 1R1808		2	6	4	PZA	REMOLINO 4341	AREA HPU		
FILTROS DE ACEITE BT 8368		2	6	3	PZA	REMOLINO 4341	AREA HPU		
FILTROS DE ACEITE BT 287		2	6	6	PZA	REMOLINO 4341	AREA HPU		
FILTROS DE ACEITE P165569		2	6	5	PZA	REMOLINO 4341	AREA HPU		
FILTROS DE ACEITE P164378		2	6	4	PZA	REMOLINO 4341	AREA HPU		
FILTROS DE ACEITE P550251		2	6	15	PZA	REMOLINO 4341	AREA HPU		
FILTROS DE DIESEL 2998229		2	6	4	PZA	REMOLINO 4341	AREA HPU		
FILTROS DE DIESEL 1R-0749		2	6	4	PZA	REMOLINO 4341	AREA HPU		
FILTROS DE DIESEL 326- 1644		2	6	9	PZA	REMOLINO 4341	AREA HPU		

Rig 836

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calmena 836 STANDARD LAND RIG EQUIPMENT LIST
 ENERGY SERVICES

A. Land Rig Summary	
Item	
A.1 General	
Rig Name/Number :	Rig 836
Rig Type or Model:	MD Cowan - Super Single - MD525 (M)
Rig Owner :	Calmena Energy Services
Year Built/Re-built:	2008
Constructed by:	MD Cowan
Current Location:	Poza Rica Main Yard
Current Status:	Racked
Number of Loads:	
- Rig	23
- Camp	3
Fuel Consumption: (gal/day)	
A.2 Operating Capabilities	
Nominal vertical depth rating with 5" drill pipe	12000 FT
Maximum Static Hook Load (lbs)	250,000 LBS
Maximum Setback Load (lbs)	N/A
Maximum Rotary Load (lbs)	N/A
Maximum Top Drive Load (lbs)	250,000 LBS
A.3 Storage Facilities	
Fuel - bbls	265 BBLS
Drill Water - bbls	400 BBLS
Potable Water - bbls	N/A
Active Drilling Fluid - bbls	700 BBLS USABLE
Reserve Drilling Fluid - bbls	
Water for Fire Fighting - bbls	0
Bulk Mud - cu.ft	N/A
Bulk Cement - cu.ft	N/A

Reviewed by: _____

Approved by: _____

RIG 836 LAND RIG EQUIPMENT LIST

B. General Rig Specifications		
B.1. Mast & Substructure		
B.1.1. Mast		
Make/type :	International Derrick Service (IDS)	
Height - ft:	72	
Width of base - (ft x ft) :	8' 1" Wide X 6' Deep	
Static hook load - (lbs) :	500,000 With 8 Lines	
- with 12 lines	N/A	
API Gross Nominal Capacity - (lbs) :	825000 Lbs	
Explosion proof lights: y/n	YES	
Ladders with cages: y/n	NO	
Derrick cameras: y/n, locations	NO	
Inertia reel (climbing assistant)	NO	
Serial Number	M-1782	
B.1.2. Racking platform (monkey board)		
Make/type :	NA	
Racking platform capacity of drill pipe : Size/No.	NA	
Racking platform capacity of drill collar : Size/No.	NA	
Refer to Pictures		
B.1.5. Substructure		
Make/type :	Internation Derrick Service (IDS)	
Model Number:	MD 525-M	
ID Number:	836-08	
Height -(ft) :	14' 8"	
Width - (ft) :	12'	
Static setback capacity - (lbs) :	NA	
Casing load capacity - (lbs) :	500,000 LB	
Setback and rotary simultaneous maximum capacity - (lbs) :	NA	
Clear height below rotary table beams - (ft):	10' 6"	
Substructure footprint - (ft x ft) :	48' X 12'	
Catwalk - ft :	NA	
Skidding capability: y/n	No	
Rated skidding capacity - lbs :	NA	
Skidding system description:	NA	
Matting / type (describe):	NA	
Refer to Pictures		
B.1.5. a Mud Boat Substructure		
Make/type :	MD Cowan	
Model Number:	MD 525-M	
ID Number:	836-06	
Height - ft :		
Width - ft :		
Mudboat footprint - ft x ft :		
Refer to Pictures		
B.1.6. Rig floor winches		
Make :	PARKER (DS)	PARKER (ODS)
Quantity :	1	1
Type :Model	312-9710-050-25515	312-9710-050-25515
Serial Nr	N008-7135	N0808-7135
Location	DS	ODS
Capacity & S.W.L. - lbs :	8,000	8,000
Wire diameter - inches :	1/2 Inch	1/2 "
Automatic brakes :	Yes	Yes
Automatic spooling :	No	NO
Refer to Pictures		
B.1.10 BOP Hoist and Trolley		
Make:	md cowan	
Type:	trolley	
BOP storage:	na	
Capacity & S.W.L. - lbs :	none	
B.2 Drawworks and Associated Equipment		
B.2.1. Drawworks		
Make/type :	RG TECH RT-400B	
Model	RT-400B	
Serial Nr.	RT-B-035-2008	
Rated capacity - HP :	540	
Input power continuous - HP :	540	
Drum type :	GROOVED (LEBUS)	
Drum diameter - inches:	20" X 25-1/8"	
Reviewed by:		

Approved by: _____

RIG 836 LAND RIG EQUIPMENT LIST

B. General Rig Specifications		
Groove lebus for line size:	1-1/8"	
Line guide make / type:	N/A	
Spinning cathead make / type :	N/A	
Breakout cathead make / type :	N/A	
Blocks safety device type / model	RT-400 CROWN PROTECTOR	
Additional block safety device (ie. KEMS):	N/A	
Brake type :	DRUM	
Maximum Line Pull 10 lines - lbs :	N/A	
Maximum Line Pull 8 lines - lbs :	435,000 LBS	
Drilling Line Spool		
Make	BETHLEHAM	
Make	1 1/8 0619S BR EIP RR IFW	
Model	right regular	
Serial Nr.	8121878	
Hydraulic Motor:	na	
Make		
Model		
Serial Nr.		
B.2.2. Drawworks power		
Number of electric motors :	One Cat Diesel Engine	
Electric motor make :	CAT	
Electric motor model :	C-15	
Serial Nr.	JRE08909	Arg Number - 254-3835
Maximum input power continuous - HP :	540 HP	ECM Software - 316-7381
Auxiliary Air Compressor		
Quantity	1	
Make	Caterpillar	
Model	CAT-BA-992	
Serial Number:	S304-2693	
Rated PSI	125	
Refer to Pictures		

Reviewed by: _____

Approved by: _____

RIG 836 LAND RIG EQUIPMENT LIST

B. General Rig Specifications		
B.2.2.1 Drawworks Transmission		
Make/type :	Allison 6 Speed	
Number of speeds	6 Speed	P/N - 29537448208G1
Model	566-108	
Serial Number:	3110113470	
Hydraulic Lube Motor	Electric	
Make	Marathon	
Model	FH405TTG54046AN	Frame Number - 145TC / Horse Power - 2 Hp
Serial Nr.	11029910-4	Right Angle Drive - S/N - BW499716
Hydraulic Pump	1	
Make	hartmann	
Model	pvx696-csxxx-21flo/fl-pcxxxx	
Serial Nr.	hxj101000	
Control Valve		
Make	rexroth	
Model		
Serial Nr.		
Refer To Pictures		
B.2.3. Auxiliary brake		
Make/Type :	EATON WCB 424	
Model :	WCB 424	
Cooling Water System:	Model Number - RT-BWCS - 101	
- type		
-size	400,000 LB	
Independent Battery Back-Up: y/n	N/A	
Refer To Pictures		
B.2.4. Automatic Drilling System		
Make:	Red Satellite Services	
Type:	Satellite Automatic Drilling Systems	
B.2.5. Drawworks Carrier Trailer		
Make/Type:	MD Cowan	
Model Number :	MD 525-M	
ID Number:	836-007	
Refer to Pictures		
B.3. Hoisting Equipment		
B.3.1. Crown block		
Make/type :	International Derrick Service	
Model		
Serial Nr	none	
Rated capacity - lbs :	500,000 SHL	
No. of sheaves :	8 Total / 7 verticle - 1 horizontal	
- diameter - inches	30"	
- groove size(s)- inches	1-1/8"	
Crown block safety device:		
- make	Rig - Tech	
- type	RT-400 CROWN PROTECTOR	
- bumper at crown-block with safety slings	WOOD WITH CAGE	
Refer to Pictures		
B.3.2. Travelling block		
Make/type :	COWAN INTEGRATED 4-SHEAVE	
Model	SPLIT BLOCK	
Serial Nr.	none	
Rated capacity - lbs :	250 TON	
No. of sheaves :	4	
Diameter of sheaves:	30"	
Groove size(s):	1-1/8"	
Date of last magnaflux survey:	oct. 08	
Refer to Pictures		
B.3.7. Drilling line		
Size - inches :	1-1/8"	
Make/Type:	BEHLEHEM STEEL AMERICAN	0619s br eip rr ifw
Length - ft :	2500 FT	
Spare reel: y/n		
Refer to Pictures		
B.3.8. Dead line Anchor		
Make/type :	HERCULES	

Reviewed by: _____

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RIG 836 LAND RIG EQUIPMENT LIST				
B. General Rig Specifications				
Model	HA - 118T	p/n mt8-19-08		
Serial Nr.	1416			
Load rating - lbs :	450,000			
Weight sensor make / type :				
Serial Nr.	1385			
Date of last magnaflux survey:				
Refer to Pictures				
B.3.9. Tension Load Sensor				
B.4 Rotary System				
NON-ROTATING				
B.4.1. Rotary table				
Make/type :	1-CAVINS TF-100-S			
Model				
Serial Nr.	595			
Drive: (independent or driven from drawworks)				
Model (if independent)				
Serial Nr.				
HP				
Maximum opening - inches :				
Static load rating - lbs :				
Rated power - HP :				
Maximum rotary speed (RPM) :				
Emergency chain drive :				
Drip pans or mud collection system: y/n				
Refer to Pictures				
B.4.2. Master bushings				
Make/type :				
Solid or Hinged/Split type with locking device:				
Accessories (insert bowls):				
Refer to Pictures				

Reviewed by: _____

Approved by: _____

[illegible]

Approved by: _____

RIG 836 LAND RIG EQUIPMENT LIST

C. Power Supply Systems		
C.1 Rig Power Plant		
C.1.1. Prime Movers		
Quantity :	2	
Make :	CAT	
Model	C-15	
Serial Number No. 1 Engine	PZ100211	Arrangement Number - 296 - 9243
Serial Number No. 2 Engine	PZ100209	Arrangement Number - 296 - 9243
Continuous output power available HP each engine :	545	
Equipped with spark arrestors: y/n	NO	
Mufflers installed: y/n	YES	
Water injectors on engine exhausts: y/n	NO	
Radiators	PETRO LITE	PETROLITE
Model	SS2969714	SS2969723
C.1.2. AC- Generator		
Quantity :	2	
Make :	CATERPILLAR / 455KW	
Type :/Model	SR4B	
Serial Number No. 1 Generator	7ZL01642	Arrangement Number - 308 - 7716
Serial Number No. 2 Generator	7ZL01640	Arrangement Number - 308 - 7716
KV	500	
RPM	1800	
Volts	480	Engine Number 1 is Missing the Following:
Continuous output power available HP each generator :	540	Turbo Parts
Output ratings:		Alternator
- kVa	568	Fuel Filter and Pipeing
- kW	455	Battery's and Batery Cables
- Volts	480	Head Covers have been removed (Put Back on Loosely)
- Power Factor (PF)		
Cycles:	60	
Above Items Mounted in Skid Mounted Generator Building		
Make :	MD Cowan	
ID Number:	837-012	
Refer to Pictures		
C.1.4. AC Transformer system		
Quantity :	1	CLASS AA STLYE 34349-17212-132
Make :	SQUARE D	ENCLOSURE TYPE 2
Type :	STEP DOWN	
ID Number:	836-17	Located at the Back of the Yard
Output ratings:		
- kVa:	75KVA	
- Volts:	120 /208	
Input ratings:		
- kVa:	75 KVA	
- Volts:	480	
Frequency (Hz) :	60	
Refer to Picture		

Reviewed by: _____

Approved by: _____

RIG 836 LAND RIG EQUIPMENT LIST

C. Power Supply Systems		
C.1.6. Emergency Shutdown	Air Pressure Shutdown	
Emergency shutdown switches for the complete power system		
(AC & DC) located at the following locations:	Rig Floor	
C.1.7. Rig service air system		
Air Compressors - Low Pressure (rig air):		
Quantity	2 Each	
Make	Sullivan Palatek	
Model	25D4J - TE	
Serial Number - No.1	09A039	
Serial Number - No.2	09A040	Missing Cooling Radiator and Fan Shroud
Rated capacity	110 CFM	
Working pressure - psi	125 PSI	
Recievers	Manchester	
HP	25 HP	25 HP
Prime mover (electric/diesel)	ELECTRIC	ELECTRIC
Make	Lincoln	Lincoln
Model	FVFJAF4925TSCTS	FVFJAF4925TSCTS
Serial Nr's	61YL16X6L	61YL16X6L
RPM	1775	1775
Volts	230/460	230/460
Air dryers		
Quantity		
Make/Type		
Model		
Serial Nr		
Rated Capacity - psi		
Compressors		
Quantity	2	
Make	Sullivan Palatek	
Model	25D	
Serial Nr	Not Visable	
RPM	1775	
Air Receivers		
Quantity	5	
Make	Manchester	
Model	302473	
Serial Nr	22566	
Relief Valves	ELECTRIC, AUTOMATIC	
Model	INGERSOLL RAND	
Serial Nr's		
Rated capacity	60 gal	
Working pressure - psi	120	
Dimensions	52X20	
Accessories	pressure relief	
Refer to Picture's		
Hydraulic Power Unit	CAT	
Engine	C-18	
Model	630 HP	
Serial Nr.	WJH05390	ARRANGEMENT # 237-1955
Pump:	#1	#2
Make	SAUER	SAUER
Model	80000822	80000308
Serial Nr.	NO83301429	NO82813937
		HYD Pump is sitting in the Generator Building

Reviewed by: _____

Approved by: _____

RIG 836 LAND RIG EQUIPMENT LIST

D. Drill String / Handling Tools		
D.1 Drill String		
D.1.1. Drill Pipe		
OD/ID body (inches)	OD 4", ID 3.095"	
Quantity jts.:	294	
Estimated total length - ft		
Grade:	G-105	
Weight - lbs/ft :	15.7	
Range:	3	
Type of connection	4" FH	
API Class:		
Tool joint OD (inches)	5 1/4	
Tool joint ID (inches)	5 1/4" x2 1/4"	
Type of hard banding		
Internal Plastic Coated:	YES	
Pin and Box Protectors:	YES	
Refer to Pictures		
D.1.2. Drill Pipe Pup Joints		
OD/ID body (inches)	OD 5 1/4" x ID 2 1/4"	
Quantity jts.:	1	
Estimated total length - ft	10	
Grade:	G-105	
Weight - lbs/ft :	15.7	
Range:	3	
Type of connection	4" FH	
API Class:		
Tool joint OD (inches)	5 1/4	
Tool joint ID (inches)	2 1/4"	
Type of hard banding		
Internal Plastic Coated:	YES	
Pin and Box Protectors:	YES	
OD/ID body (inches)	OD 5 1/4" x , ID 2 1/4"	
Quantity jts.:	1	
Estimated total length - ft	15	
Grade:	G-105	
Weight - lbs/ft :	15.7	
Range:	3	
Type of connection	4" FH	
API Class:		
Tool joint OD (inches)	5 1/4	
Tool joint ID (inches)	2 1/4"	
Type of hard banding		
Internal Plastic Coated:	YES	
Pin and Box Protectors:	YES	

Reviewed by: _____

Approved by: _____

RIG 836 LAND RIG EQUIPMENT LIST

D. Drill String / Handling Tools		
OD/ID body (inches)	OD 5 1/4" x , ID 2 1/4"	
Quantity jts.:	1	
Estimated total length - ft	5	
Grade:	G-105	
Weight - lbs/ft :	15.7	
Range:	3	
Type of connection	4" FH	
API Class:		
Tool joint OD (inches)	5 1/4	
Tool joint ID (inches)	2 1/4"	
Type of hard banding		
Internal Plastic Coated:	YES	
Pin and Box Protectors:	YES	
D.1.3. Hevi-Wate Drill Pipe		
OD/ID body (inches)	OD 4" - ID 2-9/16"	
Quantity jts.:	8	
Estimated total length - ft		
Grade:		
Weight - lbs/ft :	27.2 lbs/ft	
Range:	2	
Type of connection	4" FH	
API Class:		
Tool joint OD (inches)	5-1/4"	
Tool joint ID (inches)	2-9/16"	
Type of hard banding		
Internal Plastic Coated:	Yes	
Pin and Box Protectors:	Yes	
D.1.4. Drill Collars		
1) Quantity :	3	
OD/ID body (inch)	8" X 2 7/8"	
Type of connection:	6 5/8 reg	
Weight (lbs/ft):	149.7	
API Class:		
Range:	2	
Slick or Spiral:	spiral	
Slip and/or elevator access:	YES	
Stress relief:	NO	
Pin and box protectors:	YES	
Boreback on box:	YES	
Date of Purchase:	?	
Manufacturer:		
Last Inspection:		

Reviewed by: _____

Approved by: _____

RIG 836 LAND RIG EQUIPMENT LIST

D. Drill String / Handling Tools		
2) Size OD/ID body (inch)	6 1/2 x 2 1/2"	
Quantity :	6	
Type of connection:	4 IF NC 46	
Weight (lbs/ft):	91.7	
Range:	2	
Slick or Spiral:	SPIRAL	
Slip and/or elevator access:	YES	
Stress relief:	NO	
Pin and box protectors:	YES	
Boreback on box:	YES	
Date of Purchase:	?	
Manufacturer:		
Last Inspection:		
3) Size OD/ID body (inch)	4 3/4" x 2 1/2"	
Quantity :	15	
Type of connection:	3 1/2 IF	
Weight (lbs/ft):	48	
Range:	2	
Slick or Spiral:	SPIRAL	
Slip and/or elevator access:	NO	
Stress relief:	NO	
Pin and box protectors:	YES	
Boreback on box:	YES	
Date of Purchase:	?	
Manufacturer:		
Last Inspection:		
Refer to Pictures		
D.1.7. Upper Kelly Cock		
Make/Type:	m&m	
Quantity:	1	
Size OD/ID body: inch		
Working pressure / test pressure:	5000psi	
Connections upper/lower:	4 1/2 if X 4 1/2 IF	
D.1.11 Bit Subs		
Quantity:	3	
Length, OD, ID:	1M	
Bored for float valve:	yes	
Refer to Pictures		

Reviewed by: _____

Approved by: _____

RIG 836 LAND RIG EQUIPMENT LIST

D. Drill String / Handling Tools		
D.1.12 Cross-Overs		
Quantity:	14	
Length, OD, ID:		
Connection:		
Date of last inspection:		
Refer to Pictures		
D.1.17 Drill Pipe Circulating Head		
Make/Type:		
Quantity:	1	
Bottom Connection:	4 FH	
Top Connection:	2" 1502	

Reviewed by: _____

Approved by: _____

RIG 836 LAND RIG EQUIPMENT LIST

D. Drill String / Handling Tools		
D.1.27 Inside Drill String BOPs		
Fast Shut-Off Coupling	01-Apr	
Quantity:	1	
Make:	M&M	
Working Pressure:	5000	
Size:	4"	
Connections:	4 FH	
Full-opening Safety Valves		
Quantity:	1	
Make:	M&M	
Working Pressure:	5000	
Size:	4"	
Connections:	4 FH	
D.2 Handling Tools		
D.2.1. Elevators - Drill Pipe		
NA		
Make/Type:		
Capacity:		
Size Range:		
Quantity:		
Date of last magnaflux survey:		
Make/Type:		
Capacity:		
Size Range:		
Quantity:		
Date of last magnaflux survey:		
D.2.2. Manual Slips - Drill Pipe		
NA		
Make/Type:		
Capacity:		
Quantity:		
Date of last magnaflux survey:		
Make/Type:		
Capacity:		
Quantity:		
Date of last magnaflux survey:		
Make/Type:		
Capacity:		
Quantity:		
Date of last magnaflux survey:		

Reviewed by: _____

Approved by: _____

RIG 836 LAND RIG EQUIPMENT LIST

D. Drill String / Handling Tools		
D.2.3. Elevators - Drill Collars	NA	
Make/Type:		
Capacity:		
Size Range:		
Quantity:		
Date of last magnaflux survey:		
Make/Type:		
Capacity:		
Size Range:		
Quantity:		
Date of last magnaflux survey:		
Make/Type:		
Capacity:		
Size Range:		
Quantity:		
Date of last magnaflux survey:		
D.2.4. Manual Slips - Drill Collar	NA	
Make/Type:		
Quantity:		
Date of last magnaflux survey:		
Make/Type:		
Quantity:		
Date of last magnaflux survey:		
Make/Type:		
Quantity:		
Date of last magnaflux survey:		
Make/Type:		
Quantity:		
Date of last magnaflux survey:		
D.2.5. Power Slips		
Make/Type:	Cavins model F	
Capacity:	200 ton	
Size range:	2 3/8 - 8 5/8	
Accessories:	inserts 3.5, 4.5, 5.5, 7.5	
D.2.6. Safety Clamps		
Make/Type:		
Quantity:		
Size range:		
Date of last magnaflux survey:		
Make/Type:		
Quantity:		
Size range:		
Date of last magnaflux survey:		
Make/Type:		
Quantity:		
Size range:		
Date of last magnaflux survey:		
Make/Type:		
Quantity:		
Size range:		
Date of last magnaflux survey:		
Make/Type:		
Quantity:		
Size range:		
Date of last magnaflux survey:		

Reviewed by: _____

Approved by: _____

RIG 836 LAND RIG EQUIPMENT LIST

D. Drill String / Handling Tools		
D.2.9. Manual Rotary Tongs (DP, DC, and Casing)		
Make/Type:	ACCESS OIL TOOLS	TYPE T43612
Quantity:	2	
Jaw assemblies x size range:	3 1/2 - 13 3/8	
Torque indicator:	NA	
Date of last magnaflux survey:	NEW	
D.2.10 Hydraulic Make-up/Beakout Machine (e.g. Ezy Torque)		
Make/Type:		
Maximum linepull		
D.2.11. Spinning Wrench		
Make/Type:		
Size range:		
D.2.12 Hydraulic Power Tong		
Make/Type:	NA	
Pipe handling range:		
Capacity:		
Maximum break-out torque:		
Maximum make-up torque:		
Hydraulic power pack:		
D.2.13 Bit Breaker Plates		
Quantity for bit sizes:		
D.2.14 Bit Gauges		
Quantity for bit sizes:		
D.2.15 Iron Roughneck		
Make/Type:	Gray	
Pipe handling range (inches):	8.5 inch	
Model	GEOT	
Spinner:	B&U OIL TOOLS	
Maximum break-out torque (ft-lbs):	80,000	
Maximum make-up torque (ft-lbs):	65,000	
D.2.16 Automated Pipe Handler		
Make/Type:	IDS	
Pipe handling range (inches):	All sizes	
Serial Number:	WFD#7-1782-2116	
Hydraulic power pack:	Yes	

Reviewed by: _____

Approved by: _____

RIG 836 LAND RIG EQUIPMENT LIST

E. Well Control Equipment		
E.1 BOP Stack		
E.1.0. Diverter	NA	
Quantity :		
Make :		
Type :		
Size (inch) :		
WP (PSI) :		
Connection top/bottom :		
Closing system:		
Fitted with accumulator bottle for stripping :		
Number of Outlets:		
Diverter line size:		
H2S Service:		
Date of last OEM inspection:		
E.1.1. Low Pressure BOP Equipment		
a.1) Annular		
Quantity :	1	
Make :	TOWNSEND	Under Repair in a shop in Poza Rica
Type :	TYPE 90	
Size (inch) :	11"	
WP (PSI) :	5000 LB	
Connection top/bottom :	11" X 5000 LB	
Closing system:		
Fitted with accumulator bottle for stripping :		
H2S Service:		
Date of last OEM inspection:		
b.1) Ram type Preventer		
Quantity :	1	
Make :	TOWNSEND	
Type :	TYPE 82	
Single/double :	DOUBLE	Under Repair in a shop in Poza Rica
Size (inch) :	11"	
WP (kPa) :	5000LB	
Side outlets:		
- Quantity:	4	
- Size:	41/16"	
- Working pressure:	5000LB	
Connection top/bottom :	11" X 5000LB	
H2S Service:	YES	
Number / size of pipe rams:	2 sets of 4" pipe rams	
Number of blind rams:	set	
Date of last OEM inspection:		
c) Drilling Spool (Mud Cross)		
Quantity :	1	
Size (inch) :	11"	
WP (kPa) :	5000PSI	
Side outlets:		
- Quantity:	2	
- Size:	3 1/8	
- Working pressure:	5000PSI	
- Connections type:	FLANGE R31	
Connection top/bottom :		
H2S Service:	YES	
Date of last OEM inspection:	NEW	
d) Adapter Spools		
Quantity :	1	
Size (inch) :	11"	
WP (kPa) :	5,000	
Connection top/bottom:	FLANGE	
H2S Service:	YES	
Date of last OEM inspection:	NEW	
e) Choke Lines		
Quantity:	1	
Make/Type:	TAURUS	
Diameter (OD/ID):	3"	
Working Pressure:	5000 PSI	
H2S Trimmed:	NO	

Reviewed by: _____

Approved by: _____

RIG 836 LAND RIG EQUIPMENT LIST				
E. Well Control Equipment				
f) Remoted Actuated Valves				
Quantity:				
Make/Type:				
Model				
Diameter (ID):				
Working Pressure:				
H2S Trimmed:				
Manual Choke				
Make				
Model				
Size				
g) Kill Lines				
Quantity:	1			
Make/Type:	STEEL COVERED			
Diameter (OD/ID):	3 3/8 OD 2" ID			
Working Pressure:	5000			
H2S Trimmed:				

Reviewed by: _____

Approved by: _____

RIG 836 LAND RIG EQUIPMENT LIST

E. Well Control Equipment			
h) Manual Valves			
Quantity:		3	
Make	OIL TOOLS (OFV)		
Model	12844		
Diameter (ID):	3 1/8		
Working Pressure:	5000		
H2S Trimmed:	YES		
Manual Valve			
Size			
W/P			
i) Hydraulic Valves			
Quantity:	1		
Make/Type:	OIL TOOLS		
Diameter (OD/ID):	3 1/8 ID		
Working Pressure:	5000		
H2S Trimmed:	YES		
j) Check Valves			
Quantity:	1		
Make/Type:	G575 OIL TOOLS		
Diameter (OD/ID):	3 1/8 ID		
Working Pressure:	5000		
H2S Trimmed:	YES		
k) BOP Rams			
Quantity:			
Size / Type:			
Working Pressure:			
Quantity:			
Size / Type:			
Working Pressure:			
Quantity:			
Size / Type:			
Working Pressure:			
Quantity:			
Size / Type:			
Working Pressure:			
Quantity:			
Size / Type:			
Working Pressure:			
E.1.2. High Pressure BOP Equipment			
a.1) Annular			
Quantity :			
Make :			
Type :			
Size (inch) :			
WP (PSI) :			
Connection top/bottom :			
Closing system:			
Fitted with accumulator bottle for stripping :			
Transportation skid:			
H2S Service:			
Date of last OEM inspection:			

Reviewed by: _____

Approved by: _____

RIG 836 LAND RIG EQUIPMENT LIST

E. Well Control Equipment		
b.1) Ram type Preventer		
Quantity :		
Make :		
Type :		
Single/double :		
Size (inch) :		
WP (PSI) :		
Side outlets:		
- Quantity:		
- Size:		
- Working pressure:		
Connection top/bottom :		
H2S Service:		
Number / size of pipe rams:		
Number of blind rams:		
Date of last OEM inspection:		
b.2) Ram type Preventer		
Quantity :		
Make :		
Type :		
Single/double :		
Size (inch) :		
WP (PSI) :		
Side outlets:		
- Quantity:		
- Size:		
- Working pressure:		
Connection top/bottom :		
H2S Service:		
Number / size of pipe rams:		
Number of blind rams:		
Date of last OEM inspection:		
c) Drilling Spool (Mud Cross)		
Quantity :		
Size (inch) :		
WP (kPa) :		
Side outlets:		
- Quantity:		
- Size:		
- Working pressure:		
- Connections type:		
Connection top/bottom :		
H2S Service:		
Date of last OEM inspection:		
d) Adapter Spools		
Quantity :		
Size (inch) :		
WP (PSI) :		
Connection top/bottom:		
H2S Service:		
Date of last OEM inspection:		
e) Choke Lines		
Quantity:		
Make/Type:		
Diameter (OD/ID):		
Working Pressure:		
H2S Trimmed:		
f) Remoted Actuated Valves		
Quantity:		
Make/Type:		
Diameter (OD/ID):		
Working Pressure:		
H2S Trimmed:		

Reviewed by: _____

Approved by: _____

RIG 836 LAND RIG EQUIPMENT LIST				
E. Well Control Equipment				
g) Kill Lines				
Quantity:				
Make/Type:				
Diameter (OD/ID):				
Working Pressure:				
H2S Trimmed:				
h) Manual Valves				
Quantity:				
Make/Type:				
Diameter (OD/ID):				
Working Pressure:				
H2S Trimmed:				
Quantity:				
Make/Type:				
Diameter (OD/ID):				
Working Pressure:				
H2S Trimmed:				
i) Hydraulic Valves				
Quantity:				
Make/Type:				
Diameter (OD/ID):				
Working Pressure:				
H2S Trimmed:				
Quantity:				
Make/Type:				
Diameter (OD/ID):				
Working Pressure:				
H2S Trimmed:				
j) Check Valves				
Quantity:				
Make/Type:				
Diameter (OD/ID):				
Working Pressure:				
H2S Trimmed:				
j-1.0) Tees				
Quantity:				
Make/Type:				
Diameter (OD/ID):				
Working Pressure:				
k) BOP Rams				
Quantity:				
Size / Type:				
Working Pressure:				
Quantity:				
Size / Type:				
Working Pressure:				
Quantity:				
Size / Type:				
Working Pressure:				
Quantity:				
Size / Type:				
Working Pressure:				
Quantity:				
Size / Type:				
Working Pressure:				

Reviewed by: _____

Approved by: _____

RIG 836 LAND RIG EQUIPMENT LIST

E. Well Control Equipment				
E.2 BOP Control System				
E.2.1. Accumulator unit				
Make :	TOWNSEND / BURNSCO			
Model :	BISON			
Serial No. :	BWA1005B			
Reservoir capacity litre (gal)	160			
No. of stations:	5			
No. of bottles/banks installed	10 BOTTLES			
Total bottle capacity litre (gal)	11 GALLON			
Bottle working pressure (psi)	3000 PSI			
Low (pressure / reservoir level or rig air pressure) audible alarm y/n	N			
Location :				
E.2.2. Triplex pumps				
Quantity :	1	.875 STROKE X 2.25		
Make :		11.5 GPM		
Model :	BX-10 AD20880204AO11			
Serial Nr.	1.00E+09			
Each driven by motor of HP	20			
Make	WEG			
Model	W21	02018XP3E256T		
Serial Nr				
Volts	480			
HP	20			
E.2.3. Air pumps				
Quantity :	2			
Make :	BEAR			
Model :				
Ratio	60:01:00			
E.2.4. Driller's control panel				
Make :	TOWNSEND / BURNSCO			
Model :				
Low accumulator system pressure audible and visual alarm y/n	N			
Low reservoir level audible and visual alarm y/n	NY			
Low rig air pressure audible and visual alarm y/n	N			
Pressure regulator for bag	YES			
Control for by-pass valve	YES			
E.2.5. Remote control panels				
Make :	TOWNSEND / BURNSCO			
Model :				
Flow Meter counter:				
Location :	DOGHOUSE			

Reviewed by: _____

Approved by: _____

RIG 836 LAND RIG EQUIPMENT LIST

E. Well Control Equipment			
E.3.1. Choke manifold			
Make :			
Size inch	3" ID		
Working Pressure (psi)	5000LB		
H2S service y/n	Y		
Number of independent choke line inlets:	2		
Quantity of gate valves :	14		
Make/model :	M&M 235, 5300		
Size inch	3"		
Working pressure:	5000		
Quantity of manual adjustable chokes :	1		
Make/type :	NEEDLE CHOKE		
Diameter:	3 1/8		
Working Pressure (psi)	5000		
Quantity of positive chokes :			
Make/type :			
Diameter:			
Working Pressure kPa (psi)			
Quantity of hydraulic chokes :			
Make/type :			
Diameter:			
Working Pressure (psi)			
Power choke remote control panel y/n :			
Make/type :	SUPERCHOKE		
Location:	RIG FLOOR		
Description:	AIR CHOKE		
Possibility to replace by an adjustable choke:	YES		
Pressure gauges			
Annulus: pressure & range			
Stand pipe: pressure & range	0-5000		
Glycol injection pump y/n			
Make/type :			
Buffer Chamber			
Working pressure:			
Date of last OEM inspection of entire system:			
E.3.2. Hydraulic Test Pump	NA		
Make :			
Model :			
E.3.3. Test stumps for BOP testing	NA		
Location :			
Complete with cup type test tools y/n			
Quantity:			
Make / Type:			
Working Pressure:			
Chart Recorder:	a		
BOP Test Mandrels:			
E.3.4. Flare Lines			
Quantity:	6		
Length:	14 ft		
Size:	4.5" OD		
E.3.5. Flare Ignition System			
Make:	INFLUX		
Type:	ELECTRIC/PROPANE		
Location:	TOP OF FLARE STACK		
No. of igniter panels:	1		
- Make/type:	electric AB		
No. of propane pilots:	1		
- Locations:	TOP OF FLARE STACK		
Diesel drip pan system for ignition system:			
- Description:			

Reviewed by: _____

Approved by: _____

RIG 836 LAND RIG EQUIPMENT LIST

F. Mud System		
<u>F.1 High Pressure Mud System</u>		
F.1.1. Mud pumps		
a) Mud pumps (triplex)		
Quantity:	2	
Make :	HHF	HHF
Model :	HHF-1000	HHF-1000
Serial Nr.	06-223	070081
Power rating / pump (HP):	1000	1000
Mud pump driven by motors: no./type	CAT 3508	
Serial Nr.	#1-LLEO0528	#2LLE00511
ID Number	836-04	836-05
Continuous power rating of each motor: HP	635KW @ 1200RPM	HIGH IDLE -1300RPM
Rated pump speed: (spm)	MAX 140RPM	
Bore and stroke:	10"	
Maximum pump pressure: psi	5000PSI	
Maximum pressure at maximum flow rate: (psi)	6/3/4" PISTON -2400PSI	4.5--5000PSI
		5----4300PSI
		5.5--3500PSI
		6----3000PSI
		6.25-2700PSI
		6.5--2500PSI
Mud Pumps 1 and 2 Lube Oil Pumps	INTERNAL	
Pump Make		
Models		
Motors		
Make		
Model		
Mud Pump 1 and 2		
Supercharging Pumps	MCM, MCM	
Model :	250	
Serial Nr.	#1 18754 #2	
Impeller Size	11"	
- Independently driven by motor HP	WWC / 50	
- Make	FRAME 326T	
Model	XWW 850-18-326T	
	sn 8GOQ2616	
	PF .892	
	VOLTS 480 @ 60 HZ	
	50HP RPM 1775	
	762LBS	
Liner Wash Pump		
Make	MP PUMPS	MP PUMPS
Model	28347	28347
Motor:	SIEMANS	SIEMANS
Make	MP PUMPS	MP PUMPS
Model	XWWE50-18-32GT	XWWE50-18-32GT
	BY-101181	BY-101182
- Pressure relief valves	OTECO 5000 PSI MAX	
- make / type / no. / pressure rating	30550	

Reviewed by: _____

Approved by: _____

RIG 836 LAND RIG EQUIPMENT LIST

F. Mud System		
F.1.2. Discharge Lines		
Inside Diameter:		
Working / test pressure:	5000 LB	
F.1.3. Rotary hoses		
Quantity:	6	
Diameter (ID / OD):		
Make:	midwest	
Type: (fire resistant / stainless steel / heavy armor)	heavy armour	
Working and test pressures:	5,000	

Reviewed by: _____

Approved by: _____

RIG 836 LAND RIG EQUIPMENT LIST

F. Mud System		
F.1.4. Stand Pipe Manifold		
Working / test pressure:	5,000	
Stand Pipe		
- Quantity / ODxD	4/ 5 1/2 x 3 1/8	
- Working / test pressure:	5000	
Valve		
- Make:	O-DRILL (MCM)	
- Type:	4" = OGU 450, 2"= OGU 250	
- Number:	02-Jan	
- Size:	2" & 4"	
- Working / test pressure:	5000LB / 10000LB	
Kill line and connections:	1502	
Connection for cementing unit:		
F.1.5. High Pressure Lines		
Quantity:	8	
Size:	4" & 2"	
Working pressure:	5000 LB	
F.1.6. Kill Line Manifold (between pumps & wellhead)		
Quantity:	1	
Size:	3 3/8	
Working pressure:	5,000	
F.1.7. Casing Fill-up Device		
Description:	HIGH PRESSURE HOSE	
Capacity:		
F.1.8. Bell Nipple		
Quantity:	1	
Size:	11"	
F.1.9. Flow Line		
Quantity:	1	
Size:	12"	
F.2 Low Pressure Mud System – Tanks		
F.2.1 Mud tank system		
a) Active mud tanks		
Quantity :	2	ID Number Tank 1 : 863-02
Total capacity: bbls / m3	752	ID Number Tank 2 : 863-03
Number of compartments:	3 per tank	
Description/Capacity No. 1: bbl	132 SAND TRAP	
Description/Capacity No. 2: bbl	133	
Description/Capacity No. 3: bbl	61	
Description/Capacity No. 4: bbl	45	
Description/Capacity No. 5: bbl	133	
Description/Capacity No. 6: bbl	133	
Description/Capacity No. 7: bbl	112	
Description/Capacity No. 8: bbl		
Mud agitators		
- Quantity :	5	
- Make :	8826/ interamerican oil works	
- Model :	PIT BOSS	
- Driven by motor of HP	10 hp x 1765rpm	frame 215T
Low / high pressure mud guns:		
Bottom / surface guns: y/n		
Industrial water line installed:		
Diesel / fuel line installed:		

Reviewed by: _____

Approved by: _____

RIG 836 LAND RIG EQUIPMENT LIST

F. Mud System		
b) Reserve tanks	NA	
Quantity :		
Total capacity: bbl		
Dimensions (ft)		
Number of compartments:		
Description/Capacity No. 1: bbl		
Description/Capacity No. 2: bbl		
Description/Capacity No. 3: bbl		
Description/Capacity No. 4: bbl		
Description/Capacity No. 5: bbl		
Mud agitators		
- Quantity :		
- Make :		
- Model :		
- Driven by motor of HP		
Low / high pressure mud guns:		
Bottom / surface guns: y/n		
Industrial water line installed:		
Diesel / fuel line installed:		
c) Water tanks		
Quantity :	1	
ID Number:	836-10	
Total capacity: bbl	400 BBL	
Dimensions ft	40x8.2x7.1	
d) Brine tanks	NA	
Quantity :		
Total capacity: bbl		
Dimensions ft		
Description/Capacity No. 1: bbl		
Description/Capacity No. 2: bbl		
Description/Capacity No. 3: bbl		
F.2.2 Pill tank		
Quantity :		
Description/Capacity No. 1: bbl	112	
Description/Capacity No. 2: bbl		
Number of compartments:		
Mud agitators		
- Quantity :		
- Make :		
- Model :		
- Driven by motor of HP		
Low / high pressure mud guns:		
Bottom / surface guns: y/n		
Industrial water line installed:		
Diesel / fuel line installed:		
Dump valves / type:		
Connection to mixing circuit:		
F.2.3 Trip tank		
Total capacity: bbls	45 BBLS.	
Dimensions:		
- Height (ft)	5.3	
- Wide (ft)	7.8	
- Length (ft)	8	
ID Number:	836-15	
Pump 1		
Make	MCM	
Model	250	
Serial Nr	18707	
Size		
Impeller	11"	
Motor:	Electric	
Reviewed by: _____	Electric	

Approved by: _____

RIG 836 LAND RIG EQUIPMENT LIST

F. Mud System		
Make	Worldwidw E.C.	Worldwidw E.C.
Model	XWWE20-18-256T	XWWE20-18-256T
Serial Nr.	8GWQ001616	8GWQ01612
HP	20	20
Pump 2		

Reviewed by: _____

Approved by: _____

RIG 836 LAND RIG EQUIPMENT LIST

F. Mud System			
F.2.4 Stripping tank		NA	
Total capacity: bbl			
Equalising facility with trip tank y/n			
Transfer pump y/n			
F.2.5 Mixing pumps			
Quantity :		2-wwe model 8EOQ3044(MOTOR)	
Make/Model :		8EOQ3044,8GOQ2621 s/n	
Driven by motor 1775 rpm x HP 50		2-MCM 250 SERIES (PUMP)	
		20044.20038	
F.2.6 Mud mixing hoppers			
Quantity:		N/A	
Make			
Model			
Serial Nr.			
Model of Large Hopper		NA	
Shear mix?: y/n			
Feed pumps make :		NA	
Model			
Size of centrifugal pump :			
Serial Nr.			
Driven by electric motors			
Make			
Model			
Serial Nr.			
Availability of Big bag mixing hopper: y/n			
F.2.7 Transfer pumps			
Quantity for mud tanks :		2	
Quantity for water tanks :		2	
Make		MCM	
Model		250	
Serial Nr's		17983	
Size		2X3X13	
Driven by motor type		ELECTRIC	
Make		Worldwide	
Power output HP		20	
Impeller diameter:		13	
F.2.8 Chemical mixing tank		NA	
Quantity :			
Description/Capacity bbl			
Chemical mixer type :			
F.2.9 Caustic Mixing Unit			
Quantity :		1	
Type :		manual	
F.3 Low Pressure Mud System – Process Equipment			
F.3.1 Shale shaker			
Quantity :		3	
ID Number:		836-01	
Nr. 1 Shaker			
Make :		Derrick	
Type /Model:		MA012830	
Driven by No. of electric motors :		2	
Make :		Derrick	
Model		SGX-38-18-230/480-6-001	
Nr 2 Shaker		Derrick	
Serial Nr.		MA012833	

Reviewed by: _____

Approved by: _____

RIG 836 LAND RIG EQUIPMENT LIST

F. Mud System		
Electric Motors	2	
Make :	Derrick	
Model	SGX-38-18-230/480-6-001	
Nr. 3 Shaker	N/A	
Serial Nr.		
Electric Motors		
Make :		
Model		
Serial Nr's		
Motion:		

Reviewed by: _____

Approved by: _____

RIG 836 LAND RIG EQUIPMENT LIST

F. Mud System		
F.3.2 Desander		
Make	Derrick	
Model / Part Nr		
Serial Nr.	OO4510	
Cones:		
- Quantity:	2	
- Type:		
- Diameter:		
Centrifugal Pump	MCM	
Make	250 Series	
Model	17983	
Serial	250 SERIES	
Size	6X6	
Impeller	11"	
Electric Motor		
Make	Worldwide E.C.	
Model	XWEE50-18-326T	
Serial Nr.	860Q2633	
F.3.3. Desilter		
Make	Derrick	
Model	DER10000	
Serial Nr.	AD0003499	
Cones:		
- Quantity:	16	
- Type:	derrick	
- Diameter:	2"	part # 10523-00
Centrifugal pump :		
Make	MCM	
Model	250	
Serial Nr.	17983	
Size	6X6	
Impeller Diameter	11"	
Electric Motor	World wide E.C	
Make	XWEE50-18-326T	
Model	17942	
F.3.4. Mud Cleaner	NA	
Make / type:		
Cones:		
- Quantity:		
- Type:		
- Diameter:		
Rate ... gpm at ... psi		
Max. flowrate: bbls per min		
Range of screen sizes in stock:		
Type/size centrifugal pump :		
- Driven by electric motor of rpm x HP		
- Impeller diameter:		
F.3.5. Mud/gas separator (poor boy)		
Make/type :	MD COWAN	
Minimum diameter ID inch	29-1/2"	
Gas discharge line OD inch	6"	
Working pressure:	150PSI	
F.3.6. Vacuum Degasser		
Make :	Burgress Magra VAC	
Type : Model	1000	
Serial Nr.	546	
Maximum capacity:	1000GPM	
Type/size centrifugal pump :		
- Driven by electric motor of rpm x HP	30 hp 3525	
- Impeller diameter:	44	
Driven by electric motor of HP		

Reviewed by: _____

Approved by: _____

RIG 836 LAND RIG EQUIPMENT LIST

F. Mud System		
F.3.7. Cellar pump		
Quantity :	2	
Make (e.g. Flygt) :	ITT FLIGHT	
Type / HP:	7.5 HP	
Capacity bbl/min:	6BBM	
Inlet pipe:	10	
Out put / discharge pipe:	4"	

Reviewed by: _____

Approved by: _____

RIG 836 LAND RIG EQUIPMENT LIST

F. Mud System		
F.3.8. Mud Centrifuge	NA	
Make:		
Type:		
Quantity:		
Size of processing tank:		
Processing capacity: gpm		
Capable of running in barite recovery and low solids removal mode:		
F.4 Mud Laboratory – Equipment and Chemicals	NA	
Manufacturer:		
Water & Sink:		
Mud balance, marsh funnel:		
F.5 Bulk System		
Agitators		
Quantity	5	
Make	Pit Boss	
Model	OW1	
Serial Numbers	4106 / 4102 / 4103 / 4104 / 4105	
Agitators Electric Motors		
Quantity	5	
Make	Baldor # 1,2,3,4	#5 Weg
Model		
Serial Numbers		
	F0812086715,F0812086723	1003282875
F.5.1 Mud Hopper	F0812086701,F0812086523	
Quantity		
Make/Model		
Feed pump make/model		
Shearing Hopper	vortex venture	serial # 29-2776
Quantity	1	
Make/Model	ve-u-6sds	
Feed pump make/model		
Capacity		
Quantity		
Capacity of each silo		
Locations		
Type weight loadcell		
Manufacturer		
Pressure rating		
Relief valve(s) installed: y/n		
Big Bag Hopper	NA	
Quantity		
Make/Model		
Feed pump make/model		
Capacity		
Quantity		
Capacity of each silo		
Locations		
Type weight loadcell		
Manufacturer		
Pressure rating		
Relief valve(s) installed: y/n		

Reviewed by: _____

Approved by: _____

RIG 836 LAND RIG EQUIPMENT LIST

F. Mud System		
F.5.2 Cement Silos	NA	
Quantity		
Capacity of each silo		
Locations		
Type weight loadcell		
Manufacturer		
Pressure rating		
Relief valve(s) installed		
Separate mud/cement loading facilities: y/n		
Discharge line for cement independent from		
barite/bentonite discharge line: y/n		
F.5.3 Surge Tank for Barite/Bentonite	NA	
Quantity		
Capacity of each tank		
Type weight loadcell		
Manufacturer		
Pressure rating		
Relief valve(s) installed: y/n		
F.5.4 Surge Tank for Cement	NA	
Quantity		
Capacity of each tank		
Type weight loadcell		
Manufacturer		
Pressure rating		
Relief valve(s) installed: y/n		
F.5.5 Bulk Transfer System	NA	
Independent air system for the silos and surge tanks consisting of a high-volume low-pressure compressor and air drier: y/n		
- Compressor make/type:		
- volume & working pressure:		
Air reduced from main air supply through pressure regulators: y/n		
Separate air receiver and drier: y/n		
- if yes, make / type:		
- if yes, capacity:		

Reviewed by: _____

Approved by: _____

RIG 836 LAND RIG EQUIPMENT LIST

G. Casing/Cementing		Comments
G.1 Casing/Cementing Equipment		
G.1.1 Casing Side Door Elevators	NA	
Quantity		
Make/Type		
For casing OD		
Capacity		
Quantity		
Make/Type		
For casing OD		
Capacity		
Quantity		
Make/Type		
For casing OD		
Capacity		
G.1.2 Casing Single Joint Elevators	NA	
Quantity		
Make/Type		
For casing OD		
Capacity		
Quantity		
Make/Type		
For casing OD		
Capacity		
G.1.3 Casing slips	NA	
Quantity		
Make/Type		
For casing OD		
G.1.5 Clamp-On Type Casing Thread Protectors	NA	
For casing OD, quantity		
G.1.6 Slip Type Elevator/Spiders	NA	
Quantity		
Make/Type		
Pneumatic/Manual		
Capacity		
With slips for OD casing sizes		
G.1.7 Casing Bowls	NA	
Quantity		
Make/Type		
For OD casing (max/min)		
G.1.8 Manual Casing Tongs	NA	
Quantity (sets)		
Make/Type		
With jaws for OD casing (max/min)		
G.1.9 Power Casing Tongs	NA	
Quantity		
Make/Type		
W/jaws for OD casing (max/min)		
Max output torque		
Torque indicator		
Back-up arm		
Reviewed by: _____		

Approved by: _____

RIG 836 LAND RIG EQUIPMENT LIST

G. Casing/Cementing		Comments
G.1.10 Power Unit For Casing & Tubing Tongs	NA	
Quantity		
Driven by electric motor		

Reviewed by: _____

Approved by: _____

RIG 836 LAND RIG EQUIPMENT LIST

G. Casing/Cementing		Comments
G.1.11 Casing Circulating Head (Swedge)	NA	
For OD casing		
Connection type		
G.1.12 Casing Spears (Internal)	NA	
Quantity		
Make/Type		
For OD casing		
For casing weight		
Pack-off		
G.1.13 Casing Cutters (Internal)	NA	
Quantity		
Make/Type		
For OD casing (max/min)		
G.1.14 Crossover to Handle Casing with Drill Pipe	NA	
Quantity		
For OD casing		
Casing connection		
Drill pipe connection type		
Rated capacity		
G.1.15 Casing Scrapers	NA	
Quantity		
Make		
For OD casing		
For casing weight		
OD body		
Connection type		
<u>G.2 Cementing Equipment</u>	NA TO ALL	
G.2.1 Cement Unit		
Make/Type		
No. of triplex pumps		
Maximum working pressure		
Maximum flowrate		
Unit powered by (electric/diesel)		
Recirculating mixing system		
Capacity		
Motor power HP		
Liquid additive system		
Premix/batch tank		
Quantity		
Capacity		
Pressure recorder		
Densimeter recording device		
G.2.2 Cementing Manifold		
Discharge manifold working pressure		
Cement pump discharge lines min. ID		
Cement pump discharge lines working pressure		

Reviewed by: _____

Approved by: _____

RIG 836 LAND RIG EQUIPMENT LIST

H. Instrumentation		Comments
H.1 Drilling Instrumentation		
H.1.1. Tong Torque Indicator		
Quantity:	1	
Make:	GRAY	
Type:	HYDRAULIC	
Torque range (ft/lbs.):	0-80,000 FT/LBS	
Recorder and reading:		
Range & unit:		
Location:	CONTROL PANEL	
H.1.2. Weight Indicator		
Make/Type:	MARTIN DECKER	
Range & unit:	0- 300000 KLB	
H.1.3. Penetration Rate Indicator		
Make/Type:	PASON	
Range & unit:		
Location:		
H.1.4. Mud Pump Pressure Gauges		
Quantity:	2	
Make/Type:	OTECO	
Range & unit:	5000 PSI	
Location:	MUD PUMPS	
H.1.5. Pump Stroke Indicator		
Quantity:	pason	
Make/Type:		
Cumulative:	YES	
Recorder and reading:	YES	
Location:	DOG HOUSE	
H.1.6. Rotary Tachometer		
Quantity:	pason	
Make/Type:		
Selection top drive / rotary:	YES	
Recorder and reading:	YES	
Location:	DOG HOUSE	
H.1.7. Rotary Torque Indicator		
Quantity:		2
Make/Type:	PASON/VENURETECH	
Range & unit:	0-24000FTLB	
Recorder and reading:	YES	
Location:	DOG HOUSE	
H.1.8. Pit Volume Totalizer		
Quantity:	pason	
Number of pits equipped:	6	
Make/Type:	PROBE	
Recorder and reading:	YES	
Gain / loss alarm:	YES	
Location:	DOG HOUSE	
H.1.9. Mud Flow Indicator in Mud Line		
Make/Type:	pason	
Recorder and Reading:	YES	
Alarm type:	YES	
Location:	DOG HOUSE	
H.1.10 Mud Density Indicator		
Make/Type:	na	
Recorder and Reading:		
In/Out:		

Reviewed by: _____

Approved by: _____

RIG 836 LAND RIG EQUIPMENT LIST

H. Instrumentation		Comments
Alarm / type:		
Location:		

Reviewed by: _____

Approved by: _____

RIG 836 LAND RIG EQUIPMENT LIST

H. Instrumentation		Comments
H.1.11. Trip Tank Indicator		
Make/Type:	pason	
Recorder and Reading:	YES	
In/Out:	YES	
Accuracy:	.001BBL	
Location:	DOG HOUSE	
H.1.12 Standpipe Pressure Gauges		
Quantity	1	
Make/Type	OTECO	
Pressure range	0-5000 PSI	
H.1.13 Choke Manifold Pressure Gauge		
Quantity	1	
Make/Type	MF GAUGE	
Pressure range	0-6000 PSI	
H.1.14. Drum Chart Recorders		
Quantity:	NA	
Make/Type:		
Parameters recorder:		
Number of lines:		
Location:		
H.1.15. Drilling Parameter Recorder		
Quantity:		3
Location - 1	DOG HOUSE	
Location - 2	PUSH SHACK	
Make/Type	PASON	
Quantity of pens	DIGATAL	
Parameter recorded	R.O.P	
Parameter recorded	W.O.B	
Parameter recorded	HOOK LOAD	
Parameter recorded	PRESSURE	
Parameter recorded	PUMP RATE	
Parameter recorded	FLOW	
Parameter recorded	ROTARY	
Parameter recorded	TRIP TANK LEVEL	
H.1.16. Automatic Driller		
Make/Type:	SATELLITE	
H.2. Deviation Equipment		
H.2.1 Measuring Device		
Quantity	NA	
Make/Type		
Deviation range		
H.2.2 Wireline Winch		
Make/Model	inter american oil works	model 1000 ID # 7261
Wire length (nominal)	N/A	
Wire size	N/A	
Serial Nr.	N/A	

Reviewed by: _____

Approved by: _____

RIG 836 LAND RIG EQUIPMENT LIST

H. Instrumentation		Comments
H.3. Riq Communication System		
H.3.1 Telephone System / Intercom System		
No. of stations:	6	
Make/Type:	Gaytronics	
Explosion proof: y/n	Yes	
No. of stations:		
Make/Type:		
Explosion proof: y/n		
H.3.2 Telephone System / Satellite Communication	pason	
Telephone connection to:		
H.3.3 Public Address System		
Can be combined with above: y/n	NA	
Make/Type:		
Explosion proof: y/n		
H.3.4 Drill Floor - Derrickman's Talkback	NA	
(For Intercom System)		
No. of stations:		
Location:		
Location:		
Location:		
Make/Type		
Explosion proof: y/n		

Reviewed by: _____

Approved by: _____

RIG 836 LAND RIG EQUIPMENT LIST

K. Mobile Camp and Portacabins		
K.1.2. Contractor's Accommodation		
Total Number of Beds:	3	
Number of Skid Mounted Caravans:	2 TRAILERS	
1 bedrooms in each:	1	
2 bedrooms in each:	2	
4 bedrooms in each:	0	
Number of Communal WCs:	3	
Number of Communal Showers:	3	
Number of Galleys:	1	
Number of Mess Halls and Seating:	8	
Number of Recreation Rooms and Facilities:	0	
Details of Hospital / Sick Bay:	NONE	
Waste Disposal System: y/n	Yes	
Accommodation Trailer - Kitchen Area		
Description:		
Refrigerator: y/n	Yes	
Coffee machine: y/n	Yes	
Tool Push Accommodation Trailer - Kitchen Area		
Description:		
Refrigerator: y/n	Yes	
Coffee machine: y/n	Yes	
Tool Push Accommodation Trailer - Office Area		
Computer y/n		
- Make / type:		
Laser Jet Printer (Printer, scanner, copier, fax): y/n		
- Make / type:		
Refer to Pictures		

Reviewed by: _____

Approved by: _____

RIG 836 LAND RIG EQUIPMENT LIST

L. Fire Prevention & Safety Equipment		
<u>L.1. Detection and Alarms</u>		
(Please indicate if following systems are a single unit with multiple modules or stand alone systems)		
<u>L.1.1. Combustible Gas Detection</u>		
Description:	PASON	
Type & Location of sensors:	PASON, SHAKER BOX	
Type & Location of alarms:	PASON, RIG FLOOR, PUSH SHACK	
Alarm setting range:	30%	
Type & Number of explosimeters:	0	
<u>L.1.2. Fire Detection</u>		
Smoke and heat detectors:	yes	
Alarms:	yes	
Type and Location of sensors:	kitchens	
<u>L.1.3. H2S Gas</u>		
Type of fixed detectors:	na	
Number and location of detectors:		
Number and location alarms:		
Alarm setting range:		
<u>L.1.4. Make & Type of Portable Detectors</u>		
Smoke and heat detectors:		
Alarms:		
Location of sensors:		
<u>L.2. Safety Equipment</u>		
<u>L.2.1. Breathing System</u>		
Canister masks for evacuation (H2S & Hydroc.):	na	
Number available:		
Self-contained breathing sets:		
Quantity:	4	
Make/Type:	Panther	LP30
Duration capacity: (30 min.)	30 min	
Air recharging system:	NO	
Quantity:		
Make/Type:		
Duration capacity: (10 min.)		
Central air compressed unit & number of facemasks:	NO	
Location of primary briefing area:	lease entrance	
Location of secondary briefing area:		
Wind Indicators Visible at Night:	yes	
<u>L.3. Fire Protection Equipment</u>		
<u>L.3.1. Fire Pump</u>		
Make/type:	NA	
Quantity:		
Capacity / Output: gpm		
Driven by:		
- HP:		
<u>L.3.3. Water Tank</u>		
Quantity:	1	
Capacity:	400 bbl	
<u>L.3.4. Portable Foam Fire Equipment:</u>		
Make/Type:	na	
Reviewed by:		

Approved by: _____

RIG 836 LAND RIG EQUIPMENT LIST		
L. Fire Prevention & Safety Equipment		
Quantity:		
Capacity:		
Foam type:		
L.3.5. Fixed Foam Fire Equipment:		
Make/Type:	na	
Quantity:		
Capacity:		
Foam type:		
L.3.6. Portable CO2 Extinguishers		
Make/Type:	na	
Quantity:		
Capacity:		
Date of last inspection:		
L.3.7. Dry Powder Extinguishers		
Make/Type:	ANSUL	
Date of last inspection:	april 13/09	
Capacity:	125 lb	
Quantity / wheeled:	2	
Quantity / not wheeled:	18	
Capacity:	13x25 lb4x20 lbs. 1x6kg	
Date of last inspection:	april 13/09	
L.3.8. Fire Fighting Suits		
Make/Type:	NA	
Quantity:		
L.3.9. Rescue		
Resuscitator:	na	
Make/Type:		
O2 Reserve Bottles:	0	
Stretchers:	1	
- with crane hook-up: y/n	na	
Sick Room / Cabin:	na	
Size:		
Equipment:		
Number of beds:		
Maps of the rig site with search routes clearly marked:		
Fire Blankets:	na	
Quantity:		
Location:		
L.3.10. First Aid Equipment		
Type:	model R36	
Quantity:	3	
Location:		
Emergency Shower:		

Approved by: _____

RIG 836 LAND RIG EQUIPMENT LIST

L. Fire Prevention & Safety Equipment		
Quantity:	1	
Location:	mud tanks	
Eye Wash Stations:		
Quantity:	3	
Location:	mud tanks, dog house	
Fixed CO2 Systems:	na	
Galley:		
Engine Rooms:		
Others?:		

Reviewed by: _____

Approved by: _____

[illegible]

Approved by: _____

RIG 836 LAND RIG EQUIPMENT LIST

N. Miscellaneous Equipment		
N.1.1. Welding Equipment	NA	
Electric Welding Machine		
Make / Type:		
Power:		
Quantity:		
Portable: y/n		
Oxy-Acetylene Cutting Machine:		
Make / Type:		
Quantity:		
Portable: y/n		
N.1.2. Workshop and Repair Facilities (Mechanic / pump shops)		
Mechanical Workshop:		1
Facilities:	mechanics room	
N.1.3. Sewage Treatment Unit	NA	
Make:		
Model:		
Capacity:		
N.1.4. Hydraulic Cutter for Wireline		
Manufacturer:	PELL CABLE CUTTER CO.	
Wire Cutting Range:	MAX 1 1/8"	
N.1.5. High Pressure Wash Down Unit		
Make:	ACME CLEANER	
Model:	EL 5000	
Number of wash guns:	2	
N.1.6. Fuel Oil Tank		
Make:	MD COWAN	
Capacity: bbl	290 BBL	
Number of transfer pumps	2	
Number of suction pumps		
Measuring device	SIGHT GLASS	

Reviewed by: _____

Approved by: _____

[illegible]

Approved by: _____

IT Hardware

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IT Hardware..... 1

<u>Laptop</u>	<u>Country</u>	<u>Location</u>	<u>Serial Number</u>	<u>Hardware</u>	<u>Monitor</u>	<u>PRINTER</u>
CEZ_L4	Mexico	Reynosa	CNU7120W6H	HP nc8430		
CEZ_L20	Mexico	Reynosa	CDN05110V4	HP 8440		
CEZ_L21	Mexico	Poza Rica	Y9018875R	Toshiba U505	Benq ETG65B11061SL0	Color LaserJet CP2025
CEZ_L22	Mexico	Poza Rica	X9068384H	Toshiba Tecra M10		HP Laserjet M2727 CND992101P
CEZ_L35	Mexico	Reynosa	X9068381H	Toshiba Tecra M10		
CEZ_L51	Mexico	Reynosa	2CE006104W	HP 6930	Acer ETLTS0R032212044E52400	
CEZ_L80	Mexico	Reynosa	CND02616K4	Hp 8440	Benq ETG5C02983019	Laserjet 1536mfp
CEZ_L88	Mexico	Villahermosa	1A064663H	Toshiba Tecra M10		
CEZ_L90	Mexico	Reynosa	CND02616JK	Hp 8440		HP Laserjet 1536 CNF9DCWBMS
CEZ_L91	Mexico	Reynosa	4A109764K	Toshiba Satellite		
CEZ_L92	Mexico	Reynosa	X9068383H	Toshiba Tecra M10		
CEZ_L94	Mexico	Reynosa	1A354070Q	Toshiba Sat Pro L500		
CEZ_L98	Mexico	Reynosa	CNU7210MQ6	HP NC8430		
CEZ_L99	Mexico	REynosa	X9068378H	Toshiba Tecra M10		
CEZ_L103	Mexico	Reynosa	CNU2233DW0	Hp 8460P	Dell 1922t 120210H01	
CEZ_L117	Mexico	Reynosa	CNU1413S3N	Hp 8460P	Acer V223W ETLBQ0C1541120A55540I6	
CEZ_L119	Mexico	Reynosa	X9068374H	Toshiba Tecra M10		
CEZ_L183	Mexico	Reynosa	CNU2161S6L	HP 8460P	HP CNC051Q2CH	Color LJ 100 CLW202717
CEZ_L192	Mexico	Villahermosa	1A351489Q	Toshiba Sat Pro L500		
CEZ_L210	Mexico	Reynosa	CNU2233H1R	HP8460P		
CEZ_L211	Mexico	Reynosa	CNU1284BJ2	Hp 8460P		
CEZ_L232	Mexico	Reynosa	9B107972Q	Toshiba Satellite C650D		
CEZ_L243	Mexico	Tampico	2CE2372C9Z	Probook 4540s C6Z91UT#ABA		
CEZ_L244	Mexico	Reynosa	CNU242BW9L	HP 8470		
CEZ_L245	Mexico	Poza Rica	CNU242BW2D	HP 8470	Dell MX-0G283H-74262-96M-2F38	Color LJ 100 CNC9D9T58X
CEZ_L246	Mexico	Poza Rica	CNU242BV77	HP 8470		HP Laserjet 1522 CNG899V2SP
CEZ_L247	Mexico	Reynosa	CNU242BW9F	HP 8470	Compaq CN40190QKF	
CEZ_L248	Mexico	Poza Rica	CNU242BVS	HP 8470		
CEZ_L305	Mexico	Reynosa	CNU83908GM	HP Compaq 8510w	HP CNC950QM06	
CEZ_L310	Mexico	Reynosa	CNU803084K	HP Compaq 8510w	Benq ETG5C03705019	
CEZ_L46	Mexico	Poza Rica	18064650H	Toshiba Tecra M10		
CEZ_L9	Mexico	Poza Rica	X9060308H	Tecra M10		
CEZ_L124	Mexico	Villahermosa	5CG1320F4Z	DV4-4061LA		
CEZ_L104	Mexico	Poza Rica	1A427384Q	Toshiba Sat Pro L500		
CEZ_L31	Mexico	Villahermosa	X9068362H	Tecra M10		
CEZ_L239	Mexico	Reynosa	38205670K	Toshiba Satellite A2150-S5837		
CEZ_L6	Mexico	Reynosa	CNU6220GWP	HP nc6400		
CEZ_L309	Mexico	Reynosa	CNU73706LJ	HP Compaq 8510w		
CEZ_D8	Mexico	PozaRica	MXL01015M	7.32		
CEZ_D10	Mexico	Reynosa	MXL9461TBC	7.32		
CEZ_D104	Mexico	Poza Rica	FT2ZSJ1	XP		
CEZ_D12	Mexico	Reynosa	MXL01011FT	7.32		
CEZ_D47	Mexico	PozaRica	P6D18J1	XP		
CEZ_D49	Mexico	Villahermosa	45L05H1	XP		
CEZ_D58	Mexico	Poza Rica	MXL01011L7	7.32		
CEZ_D65	Mexico	Reynosa	C7R1JJ1	XP		
CEZ_D66	Mexico	Reynosa	MXX7050J5H	XP		
CEZ_D82	Mexico	PozaRica	BK41MS1	7.32		
CEZ_D83	Mexico	Reynosa	BK35MS1	7.32		
CEZ_D84	Mexico	PozaRica	BK40MS1	7.32		
CEZ_D97	Mexico	PozaRica	78R1JJ1	XP		
BWHRPRO_SER	Mexico	Poza Rica	MXL05011BSR	7.32		
CEZ_D81	Mexico	Reynosa	18R1JJ1	XP		

SCHEDULE 3.3.
PURCHASE PRICE ALLOCATION

Purchase price allocation

Rig 736	\$623,600
Rig 835	\$623,600
Rig 738	\$623,600
<u>Rig 836</u>	<u>\$623,600</u>
	\$2,494,400

SCHEDULE 8.2(E)
CONTRACTS TO BE TERMINATED

All contracts between the Vendor and Calmena Energy Services de Mexico S. de. R.L. de C.V.

F

[Texas rig and equipment]

BW SERVICES LUXEMBOURG S.A.R.L.

(the “Vendor”)

and

SIMMONS EDECO INC.

(the “Purchaser”)

ASSET PURCHASE AGREEMENT

September 25, 2015

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Schedule 1.1(y) Purchased Equipment

ASSET PURCHASE AGREEMENT dated September 25, 2015

BETWEEN:

BW SERVICES LUXEMBOURG S.A.R.L. a private limited liability company (*société à responsabilité limitée*) duly incorporated and validly existing under the laws of the Grand-Duchy of Luxembourg with its registered office at 15, rue Edward Steichen, L-2540 Luxembourg, with a share capital of USD 40,000 and registered with the Luxembourg trade and companies register under number B 173.595 (the “**Vendor**”)

- and -

SIMMONS EDECO INC. a corporation subsisting under the laws of the province of Alberta, Canada, (the “**Purchaser**”)

WHEREAS:

- A. Pursuant to the *Bankruptcy and Insolvency Act*, R.S.C. 1985, c. B-3, as amended (the “**BIA**”), the Alberta Court of Queen’s Bench (the “**Alberta Court**”) granted a receivership order with respect to all of the current and future property and undertakings of Calmena Energy Services Inc., Calmena Energy Holdings Ltd., 1414995 Alberta Ltd., Calmena Energy Services Operating Limited Partnership, Calmena Energy Services (USA) Corp. *et al.* (the “**Debtors**”) on January 20, 2015, as amended on February 9, 2015 and May 20, 2015 (the “**Receivership Order**”) appointing the Receiver (as hereinafter defined) as receiver and manager of the Debtors;
- B. The Vendor is a wholly owned subsidiary of Calmena Energy Holdings Ltd. Pursuant to the Receivership Order, the Receiver controls the shares of the Vendor; and
- C. The Vendor has agreed to sell, transfer and assign to the Purchaser all of its right, title and interest to the Purchased Equipment on the terms and conditions set forth herein.

NOW THEREFORE this Agreement witnesses that in consideration of the mutual covenants and agreements contained herein, and for other good and valuable consideration, the receipt and sufficiency of which are acknowledged by each Party to the other, the Parties agree as follows:

**ARTICLE 1
INTERPRETATION**

1.1 Definitions

In this Agreement:

- (a) “**Affiliate**” means, with respect to any person, any other person or group of persons acting in concert, directly or indirectly, that controls, is controlled by or is under common control with such person. The term “control” as used in the preceding sentence means the possession, directly or indirectly, of the power to direct or cause the direction of the management or policies of a person whether through ownership of more than 50% of the voting securities of such person, through being the general partner or trustee of the other person, or through contract or otherwise;
- (b) “**Agreement**” means this asset purchase agreement and all Schedules attached hereto;

- (c) “**Alberta Court**” has the meaning ascribed to that term in the recitals;
- (d) “**Applicable Law**” means, in respect of any person, assets, transaction, event or circumstance:
 - (i) statutes (including regulations enacted thereunder);
 - (ii) judgments, decrees and orders of courts of competent jurisdiction;
 - (iii) regulations, orders, ordinances and directives issued by Government Authorities; and
 - (iv) the terms and conditions of all permits, licenses, approvals and authorizations,
 which are applicable to such person, asset, transaction, event or circumstance;
- (e) “**Books and Records**” means all of the Vendor’s books and records in the Receiver’s possession, regardless of physical, electronic, or other format, related directly and solely to the Purchased Equipment (including equipment certifications to the extent available), which for greater certainty excludes all intellectual property described therein;
- (f) “**Business Day**” means a day other than a Saturday, Sunday or any other day on which the principal chartered banks located in Calgary, Alberta are not open for the transaction of domestic business during normal banking hours;
- (g) “**Claim**” means any right or claim of any person that may be asserted or made in whole or in part against the Vendor or any of its Affiliates and their respective directors, officers, employees, agents or advisors, whether or not asserted or made, in connection with any indebtedness, liability or obligation of any kind whatsoever, and any interest accrued thereon or costs payable in respect thereof, including without limitation, by reason of the commission of a tort (intentional or unintentional), by reason of any breach of contract or other agreement (oral or written), by reason of any breach of duty (including, without limitation, any legal, statutory, equitable or fiduciary duty) or by reason of any right of ownership of or title to property or assets or right to a trust or deemed trust (statutory, express, implied, resulting, constructive or otherwise), and whether or not any indebtedness, liability or obligation is reduced to judgment, liquidated, unliquidated, fixed, contingent, matured, unmatured, disputed, undisputed, legal, equitable, secured, unsecured, present or future, known or unknown, by guarantee, surety or otherwise, and whether or not any right or claim is executory or anticipatory in nature including, without limitation, any right or ability of any person to advance a claim for contribution or indemnity or otherwise with respect to any matter, action, cause or chose in action whether existing at present or commenced in the future, together with any other rights or claims of any kind that, if unsecured, would be a debt provable in bankruptcy within the meaning of the *Bankruptcy and Insolvency Act* (Canada) had the Vendor become bankrupt;
- (h) “**Closing**” means the completion of the purchase by the Purchaser and sale by the Vendor of the Purchased Equipment and the completion of all other transactions contemplated by this Agreement that are to occur contemporaneously with such sale, all subject to and in accordance with the terms and conditions of this Agreement;
- (i) “**Court Approval**” means the approval of the Transaction by the Alberta Court;
- (j) “**Closing Date**” means the date that is no later than September 30, 2015 or such other date as may be agreed to by the Vendor and the Purchaser;
- (k) “**Data Room Information**” means all information made available (by the Receiver or otherwise) for the Purchaser’s review in electronic form in relation to the Vendor, its Affiliates and/or the Purchased Equipment;

- (l) **“Deposit”** has the meaning ascribed to that term in Section 3.2;
- (m) **“Effective Time”** means 12:01 a.m. (Calgary time) on the Closing Date;
- (n) **“Encumbrances”** means any pledges, liens, security interests, encumbrances, claims, charges, options or interests;
- (o) **“Final Statement of Adjustments”** has the meaning ascribed to that term in Section 4.2;
- (p) **“GAAP”** means accounting principles generally accepted in Canada including those recommended or approved by the Canadian Institute of Chartered Accountants at the relevant time including to the extent applicable, international financial reporting standards;
- (q) **“Governmental Authority”** means any domestic or foreign government, whether federal, provincial, state, territorial, county, parish, or municipal; and any governmental agency, ministry, department, tribunal, commission, bureau, board or other instrumentality exercising or purporting to exercise legislative, judicial, regulatory or administrative functions of, or pertaining to, government, having jurisdiction over a Party, the Purchased Equipment or the Transaction;
- (r) **“Governmental Order”** means any order, writ, judgment, injunction, decree, stipulation, determination or award entered by or with any Governmental Authority;
- (s) **“Interim Statement of Adjustments”** has the meaning ascribed to that term in Section 4.2;
- (t) **“Legal Proceeding”** means any litigation, action, suit, investigation, hearing, claim, complaint, grievance, arbitration proceeding or other proceeding and includes any appeal or review or retrial of any of the foregoing and any application for same;
- (u) **“Losses and Liabilities”** means any and all assessments, charges, costs, damages, debts, expenses, fines, liabilities, losses, obligations and penalties, whether accrued or fixed, absolute or contingent, matured or unmatured or determined or determinable, including those arising under any Applicable Law, Claim by any Governmental Authority or Governmental Order and those arising under any contract, agreement, arrangement, commitment or undertaking and costs and expenses of any Legal Proceeding, assessment, judgment, settlement or compromise relating thereto, and all interest, fines and penalties and reasonable legal fees and expenses incurred in connection therewith (on a full indemnity basis);
- (v) **“Parties”** means, collectively, the Purchaser and the Vendor, and **“Party”** means any one of them;
- (w) **“Permitted Encumbrances”** means any Encumbrance held by any Third Party in respect of which Vendor delivers a release, no interest letter, discharge, or undertaking to discharge, satisfactory to Purchaser at or prior to Closing;
- (x) **“person”** means any individual, corporation, limited or unlimited liability company, joint venture, partnership (limited or general), trust, trustee, executor, Governmental Authority or other entity;
- (y) **“Purchased Equipment”** means the equipment listed in Schedule 1.1(y);
- (z) **“Purchase Price”** has the meaning ascribed to that term in Section 3.1;
- (aa) **“Purchaser’s Solicitors”** means the law firm of Burnet Duckworth & Palmer LLP or such other firm or firms of solicitors as are appointed by the Purchaser from time to time and notice of which is provided to the Vendor;

- (bb) **“Receiver”** means Ernst & Young Inc. in its capacity as the Alberta Court-appointed receiver of the Debtors and not in its personal or corporate capacity;
- (cc) **“Receiver’s Solicitors”** means the law firm of Borden Ladner Gervais LLP (or any successor thereto) or such other firm or firms of solicitors as are appointed by the Receiver from time to time and notice of which is provided to the Purchaser;
- (dd) **“Representative”** means, in respect of a person, each director, officer, employee, agent, legal counsel, accountant, professional advisor and other representative of such person and its Affiliates, and with respect to the Vendor, includes the Receiver and their respective Affiliates, directors, officers, employees, agents, legal counsel, accountants, professional advisors and other representatives;
- (ee) **“Third Party”** means any person who is not a Party;
- (ff) **“Time of Closing”** means 10:00 am (Calgary, Alberta time) on the Closing Date or such other date and time as the Parties may agree in writing that the Closing shall take place;
- (gg) **“Transaction”** means the transaction for the purchase and sale of the Purchased Equipment as contemplated in this Agreement;
- (hh) **“Transfer Taxes”** means all present and future transfer taxes, sales taxes, use taxes, value-added taxes, goods and services taxes, registration and recording fees, and any other similar or like taxes and charges imposed by a Governmental Authority in connection with the sale, transfer or registration of the transfer of the Purchased Equipment;
- (ii) **“Tax”** or **“Taxes”** means all taxes, assessments, charges, dues, duties, rates, fees, imposts, levies and similar charges of any kind lawfully levied, assessed or imposed by any Governmental Authority under any applicable tax legislation or Applicable Law, including, Canadian and United States federal, provincial, state, territorial, county, parish, municipal and local, foreign or other income, capital, capital gains, business, real property, personal property, franchise, withholding, payroll, or employer health taxes, customs, import, anti-dumping or countervailing duties, levy, assessment, tariff, impost, imposition, toll and duty, whether computed on a separate, combined, unitary, or consolidated basis or any other manner, including any interest, penalties and fines associated therewith, but excludes Transfer Taxes; and
- (jj) **“Vendor’s Interest”** means, when used in relation to any asset, undertaking or property, all the right, title and interest, if any, of the Vendor in such asset, undertaking or property.

1.2 Interpretation

The following rules of construction shall apply to this Agreement unless the context otherwise requires:

- (a) All references to monetary amounts, unless indicated to the contrary, are to the lawful currency of the United States.
- (b) Words importing the singular include the plural and vice versa, and words importing gender include the masculine, feminine and neuter genders.
- (c) The word “include” and derivatives thereof shall be read as if followed by the phrase “without limitation”.
- (d) The words “hereto”, “herein”, “hereof”, “hereby”, “hereunder” and similar expressions refer to this Agreement and not to any particular provision of this Agreement.

- (e) The headings contained in this Agreement are for convenience of reference only, and shall not affect the meaning or interpretation hereof.
- (f) Reference to any Article, Section or Schedule means an Article, Section or Schedule of this Agreement unless otherwise specified.
- (g) If any provision of a Schedule hereto conflicts with or is at variance with any provision in the body of this Agreement, the provisions in the body of this Agreement shall prevail to the extent of the conflict.
- (h) All documents executed and delivered pursuant to the provisions of this Agreement are subordinate to the provisions hereof and the provisions hereof shall govern and prevail in the event of a conflict.
- (i) This Agreement has been negotiated by each Party with the benefit of legal representation, and any rule of construction to the effect that any ambiguities are to be resolved against the drafting Party does not apply to the construction or interpretation of this Agreement.

1.3 Schedules

The following are the Schedules attached to and incorporated in this Agreement by reference and deemed to be a part hereof:

Schedule 1.1(y) Purchased Equipment

ARTICLE 2 PURCHASE AND SALE OF PURCHASED EQUIPMENT

2.1 Agreement of Purchase and Sale

Subject to the terms and conditions of this Agreement including Section 2.2, at the Time of Closing, the Vendor hereby agrees to sell, assign and transfer to the Purchaser, and the Purchaser agrees to purchase from the Vendor all of the Vendor's Interest in the Purchased Equipment.

2.2 Transfer of Purchased Equipment

Subject to the terms and conditions of this Agreement, on the Closing Date the title, possession, risk and beneficial ownership of the Purchased Equipment shall transfer from the Vendor to the Purchaser, free and clear of all Encumbrances other than Permitted Encumbrances.

ARTICLE 3 PURCHASE PRICE

3.1 Purchase Price

The purchase price to be paid by the Purchaser to the Vendor for the Purchased Equipment shall be US \$1,000,000 (the "**Purchase Price**") as adjusted pursuant to Article 4.

3.2 Deposit

- (a) The Vendor acknowledges that the Receiver has received a deposit of US \$1,000,000 (the "**Deposit**") from the Purchaser.
- (b) The Deposit will be held in trust by the Receiver or the Receiver's Solicitors in an interest-bearing

trust account for and on behalf of the Vendor, and shall be releasable in accordance with the terms of this Agreement. If Closing occurs in accordance with the terms and conditions of this Agreement, the Deposit and interest earned thereon shall be credited against the Purchase Price, in partial satisfaction of the Purchaser's obligation to pay the Purchase Price at Closing.

- (c) If Closing does not occur for any reason (other than in the case of the Purchaser terminating this Agreement in accordance with Section 9.1), the Vendor shall be entitled to retain the Deposit, the full amount of the Deposit shall be forfeited to the Vendor, this Agreement shall thereupon terminate and each Party shall be released from all obligations and liabilities under or in connection with this Agreement. If Closing does not occur because the Purchaser has terminated this Agreement in accordance with Section 9.1, then the Deposit shall be refunded to the Purchaser.

The Parties agree that the amount of the Deposit constitutes a genuine pre-estimate of liquidated damages as a result of Closing not occurring. The Purchaser hereby waives any claim or defence that the amount of the Deposit is a penalty or is otherwise not a genuine pre-estimate of the Vendor's damages.

3.3 Payment of the Purchase Price

The Purchaser shall pay to the Receiver or the Receiver's Solicitors (in trust for and on behalf of the Vendor) at Closing, by certified cheque, bank draft or electronic wire transfer, the adjusted Purchase Price as set forth in the Interim Statement of Adjustments, less the Deposit and interest earned thereon.

3.4 Transfer Taxes

The Parties agree that the Purchase Price includes all Transfer Taxes. The Vendor shall pay and remit all such Transfer Taxes to the appropriate Governmental Authority within the time periods required under Applicable Law and shall indemnify the Purchaser for, from and against any Transfer Tax (including any interest or penalty imposed by a Governmental Entity) that the Purchaser may pay or for which the Purchaser may become liable as a result of any failure by the Vendor to pay or remit such Transfer Taxes.

3.5 Adjustments for Taxes other than Transfer Taxes

The Parties agree that all Taxes (other than Transfer Taxes) accruing, payable, paid, received or receivable in respect of the Purchased Equipment, shall be apportioned on an accrual basis between the Vendor and the Purchaser as of the Closing Date on a per diem basis as of the Closing Date with Taxes (other than Transfer Taxes) accrued to the Closing Date for the Vendor's account and Taxes (other than Transfer Taxes) accrued after the Closing Date for the Purchaser's account. Any adjustments for Taxes (other than Transfer Taxes), including the benefits of any recoveries or reductions of Taxes received, shall be calculated in accordance with Article 4.2 hereof.

ARTICLE 4 ADJUSTMENTS

4.1 Status of Equipment

- (a) Subject to Section 4.1(b), if it is determined, pursuant to an inspection and inventory of the Purchased Equipment completed jointly by the Parties prior to the Closing Date (the "**Inspection**"), that certain individual items forming part of the Purchased Equipment are either (i) not available to form part of the Transaction as at the Closing Date or (ii) not fit for use (subject to depreciation for age of use), then the Purchase Price shall be reduced as follows:
 - (i) in respect of missing items, an amount equal to 50% of the replacement value for such item; and

- (ii) in respect of items that are not fit for use, subject to depreciation for age of use, (other than the specified deficiencies in Schedule 4.1(b)), an amount equal to the repair cost as agreed between the parties.
- (b) Notwithstanding anything else contained in this Article 4, no adjustments shall be made pursuant to Section 4.1(a) until such adjustments, in the aggregate, exceed the amount of \$50,000.
- (c) All Taxes (other than Transfer Taxes) accruing, payable, paid, received or receivable in respect of the Purchased Equipment, shall be apportioned on an accrual basis between the Vendor and the Purchaser as of the Effective Time on a per diem basis as of the Effective Time with Taxes (other than Transfer Taxes) accrued to the Effective Time for the Vendor's account and Taxes (other than Transfer Taxes) accrued after the Effective Time for the Purchaser's account.
- (d) The Parties shall use best efforts to include all replacement costs, repair costs and other adjustments made in this Article 4 in the Interim Statement of Adjustments. If any replacement costs, repair costs and other adjustments have not been finalized at Closing pursuant to the Interim Statement of Adjustment, they shall be dealt with in the Final Statement of Adjustments.

4.2 Statement of Adjustments

- (a) The Vendor shall carry out an interim accounting and adjustment and prepare and deliver to the Purchaser on or prior to the Closing Date a statement setting forth the Vendor's good faith estimate of all adjustments to be made for the transactions contemplated herein. Prior to Closing, the Purchaser shall provide a written statement of what adjustments it agrees to (the "**Interim Statement of Adjustments**"), and the Interim Statement of Adjustments shall form an adjustment to the Purchase Price pursuant to Section 3.3 hereof.
- (b) The Vendor shall carry out a final accounting and adjustment and prepare and deliver to the Purchaser a statement setting forth all adjustments to be made for the transactions contemplated herein no later than 90 days following the Closing Date (the "**Final Statement of Adjustments**"). In the event the information or other third-party documentation required by Vendor to issue a full and complete Final Statement of Adjustments is not made available to Vendor within 90 days of the Closing Date, Vendor may request Purchaser provide an extension of time within which to issue the Final Statement of Adjustments, which consent shall not be unreasonably withheld by Purchaser. After receiving the Final Statement of Adjustments, the Purchaser will have 30 days following the receipt of same to provide the Vendor with further adjustments, claims, discrepancies or disputes to be addressed in the Final Statement of Adjustments. If the Parties are unable to agree on the Final Statement of Adjustments, the Parties shall seek a determination of the amount of the Final Statement of Adjustments, if any, from the Alberta Court.

ARTICLE 5 REPRESENTATIONS AND WARRANTIES

5.1 Purchaser's Representations and Warranties

The Purchaser hereby represents and warrants to and in favour of the Vendor that, both now and at the Closing Date:

- (a) the Purchaser is a corporation duly incorporated and validly subsisting under the laws of the jurisdiction of its incorporation and has the requisite power and authority to enter into this Agreement and to complete the Transaction;
- (b) the Purchaser has taken all necessary corporate action to authorize the entering into and performance by it of this Agreement;

- (c) provided that the Court Approval is obtained, execution, delivery and performance of this Agreement by the Purchaser does not and will not require any consent, approval, authorization or other order of, action by, filing with or notification to, any Governmental Authority, except where failure to obtain such consent, approval, authorization or action, or to make such filing or notification, would not prevent or materially delay the consummation by the Purchaser of the Transaction; and
- (d) this Agreement has been duly executed and delivered by the Purchaser and constitutes a legal, valid and binding obligation of the Purchaser and is enforceable against the Purchaser in accordance with its terms, except as enforceability may be limited by applicable bankruptcy, insolvency, reorganization or similar Applicable Laws relating to creditors' rights generally and subject to general principles of equity.

5.2 Limited Representations and Warranties by the Vendor

- (a) The Vendor hereby represents and warrants to and in favour of the Purchaser that, both now and at the Closing Date:
 - (i) it has the legal right, title, and authority to sell the Vendor's Interest in the Purchased Equipment to the Purchaser on the terms and conditions of this Agreement, free and clear at the Closing Date of all Encumbrances other than Permitted Encumbrances;
 - (ii) is a corporation duly incorporated and validly subsisting under the laws of the jurisdiction of its incorporation and has the requisite power and authority to enter into this Agreement and to complete the Transaction;
 - (iii) it has taken all necessary corporate action to authorize the entering into and performance by it of this Agreement;
 - (iv) provided that the Court Approval is obtained, execution, delivery and performance of this Agreement by it does not and will not require any consent, approval, authorization or other order of, action by, filing with or notification to, any Governmental Authority, except where failure to obtain such consent, approval, authorization or action, or to make such filing or notification, would not prevent or materially delay the consummation by it of the Transaction; and
 - (v) this Agreement has been duly executed and delivered by it and constitutes a legal, valid and binding obligation of it and is enforceable against it in accordance with its terms, except as enforceability may be limited by applicable bankruptcy, insolvency, reorganization or similar Applicable Laws relating to creditors' rights generally and subject to general principles of equity.
- (b) Except as expressly set out in Section 5.2(a), neither the Vendor nor any of its Representatives makes any representations or warranties, and in particular, and without limiting the generality of the foregoing, the Vendor disclaims and neither the Vendor nor any of its Representatives shall be liable for any representation or warranty which may have been made or alleged to be made in any instrument or document related hereto or in any statement or information made or communicated to the Purchaser in any manner including any opinion, information, or advice which may have been provided to the Purchaser by the Vendor or any of its Representatives in connection with the Purchased Equipment or in relation to the Transaction. For greater certainty, neither the Vendor nor any of its Representatives makes any condition, representation or warranty, express or implied, with respect to:

- (i) the Data Room Information or any other data or information supplied by the Vendor or any of its Representatives in connection with the Purchased Equipment, including by way of management presentations or otherwise;
 - (ii) the value of any of the Purchased Equipment or the future cash flow therefrom;
 - (iii) the quality, condition, description, fitness for purpose, suitability, serviceability or merchantability of the Purchased Equipment; or
 - (iv) tax issues relating to the Vendor or the Purchased Equipment.
- (c) The Purchaser acknowledges and confirms that it has had an opportunity to conduct any and all due diligence regarding the Purchased Equipment and, except for the representations set out in Section 5.2(a) herein, that it is relying on its own investigations concerning the Purchased Equipment and it has not relied on advice from the Vendor or any of its Representatives with respect thereto, including with respect to the matters specifically enumerated in the immediately preceding paragraphs in connection with the purchase of the Purchased Equipment pursuant hereto. The Purchaser further acknowledges and agrees that it is acquiring the Purchased Equipment on an “as is, where is” basis. The Purchaser acknowledges and agrees that it is familiar with the condition of the Purchased Equipment, and that the Vendor has provided the Purchaser with a reasonable opportunity to inspect the Purchased Equipment at the sole cost, risk and expense of the Purchaser and that the Purchaser is not relying upon any representation or warranty of the Vendor as to the condition of the Purchased Equipment, except for the representations set out in Section 5.2(a).
- (d) Except for its express rights under this Agreement (including with respect to the representations under Section 5.2(a)), the Purchaser hereby waives all rights and remedies (whether now existing or hereinafter arising and including all common law, tort, contractual and statutory rights and remedies) against the Vendor and its Representatives in respect of the Purchased Equipment or the Transaction or any representations or statements made or information or data furnished to the Purchaser or its Representatives in connection herewith (whether made or furnished orally or by electronic, faxed, written or other means).

ARTICLE 6 COVENANTS

6.1 Maintenance of Purchased Equipment Until Closing

Until Closing the Vendor shall:

- (a) conduct the Vendor’s business in the ordinary and usual course in compliance with Applicable Laws and with regard to the Vendor’s financial situation;
- (b) keep the Purchaser informed of material developments that may impact the Purchased Equipment or the Transaction;
- (c) cause the Purchased Equipment to be operated and maintained in accordance with generally accepted industry practices; and
- (d) maintain appropriate security and inventory controls over the Purchased Equipment.

6.2 Court Approval

The Vendor shall prepare all materials, and shall promptly apply to the Alberta Court for, and use its commercially reasonable efforts to obtain, the Court Approval as soon as reasonably practicable following the date hereof. The

Purchaser, at its own expense, shall promptly provide to the Vendor all such information and assistance within the Purchaser's power as the Vendor may reasonably request to obtain the Court Approval, including such information as may be required to reasonably evaluate the Purchaser's financial ability to perform its obligations hereunder. The application for the Court Approval may be adjourned or rescheduled by the Vendor or its Representatives upon notice to the Purchaser.

6.3 Expenses

On Closing, the Purchaser shall be responsible for and pay if, as and when required:

- (a) any and all costs of dismantling or removing Purchased Equipment from their present location and/or transporting them to a new location; and
- (b) the cost of repairing any damage caused by dismantling or removal of any of the Purchased Equipment from their present location and/or transporting to a new location.

The Purchaser shall repair and be liable for any and all Claims, Losses and Liabilities whatsoever caused by or in any way arising out of any dismantling or removal of any Purchased Equipment, or any failure to dismantle or remove any Purchased Equipment. Further, the Purchaser shall indemnify and save harmless the Vendor, its Representatives, the Receiver and its and their respective officers, directors, employees or other representatives in respect of and from any and all Claims, Losses and Liabilities that any of them may incur or suffer by reason of any dismantling or removal of any Purchased Equipment, or any failure to dismantle or remove any Purchased Equipment.

ARTICLE 7 CONDITIONS

7.1 Mutual Conditions

The respective obligations of the Parties to complete the Transaction are subject to the following conditions being fulfilled or performed as at or prior to the Time of Closing:

- (a) The Alberta Court has granted the Court Approval;
- (b) no injunction or other order has been issued to enjoin, restrict or prohibit the Transaction; and
- (c) the Closing is not otherwise prohibited by Applicable Law.

The foregoing conditions are for the mutual benefit of the Vendor and the Purchaser and may be asserted by the Vendor or the Purchaser regardless of the circumstances and may be waived only with the Agreement of both the Vendor and the Purchaser.

7.2 Conditions for the Benefit of the Purchaser

The obligation of the Purchaser to complete the Transaction is subject to the following condition being fulfilled or performed as at or prior to the Time of Closing:

- (a) all representations and warranties of the Vendor contained in this Agreement shall be true and correct in all material respects as at the Time of Closing with the same force and effect as if made at and as of such time;
- (b) the Vendor has complied with and performed, in all material respects, all of its covenants and obligations contained in this Agreement; and

- (c) the Vendor has not lost its ability to convey the Purchased Equipment due to an order or otherwise.

The foregoing conditions are for the exclusive benefit of the Purchaser and may be waived by it in its sole discretion, in whole or in part, at any time and from time to time without prejudice to any other rights which the Purchaser may have. If the said condition has not been complied with or waived by the Purchaser at or before the Time of Closing, the Purchaser may terminate this Agreement by written notice to the Vendor.

7.3 Conditions for the Benefit of the Vendor

The obligation of the Vendor to complete the Transaction is subject to the following conditions being fulfilled or performed as at or prior to the Time of Closing:

- (a) all representations and warranties of the Purchaser contained in this Agreement shall be true and correct in all material respects as at the Time of Closing with the same force and effect as if made at and as of such time;
- (b) the Purchaser has complied with and performed in all material respects all of its covenants and obligations contained in this Agreement;
- (c) the Vendor has not lost its ability to convey the Purchased Equipment due to an order or otherwise;
- (d) if the Purchased Equipment is being used to fulfill obligations under a drilling contract at the Time of Closing, then the Vendor is satisfied, in its sole discretion, that such drilling contract will be concurrently and correspondingly assigned to a person with the right to use the Purchased Equipment for the purposes of continuing to fulfill such obligations; and
- (e) the Purchaser or an Affiliate of the Purchaser shall concurrently and contemporaneously with the Closing, complete (i) the closing pursuant to the Asset Purchase Agreement dated the 25th day of September, 2015 with Vendor, and (ii) the closing pursuant to the Asset Purchase Agreement dated the 25th day of September, 2015 with Calmena Energy Services de Mexico S. DE. R.L. DE C.V.

The foregoing conditions are for the exclusive benefit of the Vendor and may be waived by it in its sole discretion, in whole or in part, at any time and from time to time without prejudice to any other rights which the Vendor may have. If any of the said conditions have not been complied with or waived by the Vendor at or before the Time of Closing, the Vendor may terminate this Agreement by written notice to the Purchaser.

7.4 Satisfaction of Conditions

Each of the Parties shall proceed diligently and in good faith and use all commercially reasonable efforts to fulfill and assist in the fulfillment of the conditions set forth in Sections 7.1, 7.2 and 7.3. In addition, each of the Parties agrees not to take any action that could reasonably be expected to preclude, delay or have an adverse effect on the Transaction or would render, or may reasonably be expected to render, any representation or warranty made by it in this Agreement untrue in any material respect.

ARTICLE 8 CLOSING

8.1 Closing Date and Place of Closing

Subject to the conditions set out in this Agreement, the Transaction shall close and be completed on the Closing Date. The completion of the Transaction shall take place at the Time of Closing at the offices of the Receiver's Solicitors, or at such other time or such other location as the Parties may agree in writing.

8.2 Deliveries on Closing by the Vendor

The Vendor shall deliver to the Purchaser at the Time of Closing:

- (a) an Alberta Court certified copy of the Court Approval;
- (b) a bill of sale or invoice in a form satisfactory to the Parties acting reasonably regarding the conveyance of the Purchased Equipment, duly executed by the Vendor;
- (c) a certified copy of a shareholder resolution of the shareholders of the Vendor with respect to authorizing this Agreement and the performance of the obligations hereunder;
- (d) all of the Books and Records in the Receiver's possession, provided that the Receiver may retain any copies of the Books and Records that it is required to keep under Applicable Law; and
- (e) such other documents as are required by this Agreement.

8.3 Deliveries on Closing by the Purchaser

The Purchaser shall deliver to the Vendor at the Time of Closing:

- (a) the Purchase Price payable in readily available funds to the Vendor in accordance with Section 3.3;
- (b) a bill of sale or invoice in a form satisfactory to the Parties acting reasonably regarding the conveyance of the Purchased Equipment, duly executed by the Purchaser; and
- (c) such other documents as are required by this Agreement.

8.4 Risk and Insurance

- (a) The risk of loss of the Purchased Equipment shall remain with the Vendor until Closing, and if Closing occurs, shall be transferred to the Purchaser as of the Time of Closing.
- (b) Any insurance, including property, liability and other insurance maintained by the Vendor shall not be transferred as of the Time of Closing, but shall remain the responsibility of the Vendor until the Time of Closing. The Purchaser shall be responsible for placing its own property, liability and other insurance coverage with respect to the Purchased Equipment in respect of the period from and after the Time of Closing.
- (c) If, prior to Closing, the Purchased Equipment shall be substantially damaged or destroyed by fire or other casualty which materially and substantially affects the value of the Purchased Equipment, then except where such event shall have been caused by the Purchaser or its Representatives, at its option, the Purchaser may decline to complete the Transaction. Such option shall be exercised by delivering notice thereof to the Vendor within 15 days after notification to the Purchaser by the Vendor of the occurrence of such damage or destruction (or prior to the Closing Date if such occurrence takes place within 15 days of the Closing Date). If, because of such damage, destruction or casualty, the Purchaser exercises their option to decline to complete the Closing of the Transaction, this Agreement shall be terminated automatically and the Purchaser shall be entitled only to a return of the Deposit but without any other compensation or claim against the Vendor. If the Purchaser does not exercise their option under this section to decline to complete the Transaction, the Purchaser shall complete the Transaction and shall be entitled to an assignment of the proceeds of insurance referable to such damage or destruction. Where any damage or destruction is not substantial, the Purchaser shall complete the Transaction and shall be entitled to an assignment of the proceeds of insurance referable to such damage or destruction.

provided that such damage or destruction is insured or, otherwise, to an agreed abatement. If any dispute arises under this section as to whether damage or destruction is substantial or with respect to the amount of any abatement, such dispute will be determined by the Alberta Court, or by such other person or in such other manner as the Alberta Court may direct.

ARTICLE 9 TERMINATION

9.1 Grounds for Termination

This Agreement may be terminated at any time prior to Closing by either the Vendor or the Purchaser (as applicable) if the conditions for the benefit of the Vendor or Purchaser (as applicable) pursuant to the provisions of Article 7 are not satisfied or waived by or on the Closing Date.

9.2 Effect of Termination

Notwithstanding any termination of this Agreement by the Vendor or the Purchaser as permitted under Section 8.4(c) or 9.1, the provisions of Sections 10.1, 10.3, 10.4, 10.10 and 10.13 shall remain in full force and effect following any such permitted termination, and the Deposit shall be governed by Section 3.2.

ARTICLE 10 MISCELLANEOUS

10.1 Public Announcements

If a Party intends to issue a press release or other public disclosure of this Agreement, the terms hereof or the Transaction, the disclosing Party shall provide the other Party with an advance copy of any such press release or public disclosure with sufficient time to enable the other Party to review such press release or other public disclosure and provide any comments. The disclosing Party shall not issue such press release or other public disclosure without the prior written consent of the other Party, such consent not to be unreasonably withheld.

10.2 Obligations to Survive

The obligations, covenants, representations and warranties (if any) of the Parties set out in this Agreement shall survive Closing, shall remain in full force and effect, shall not merge as a result of Closing and shall be binding on the Parties thereafter.

10.3 Governing Law

This Agreement shall be governed by and construed in accordance with the laws of the Province of Alberta and the federal laws applicable therein (excluding any conflict of law rule or principle of such laws that might refer such interpretation or enforcement to the laws of another jurisdiction). Each Party irrevocably submits to the exclusive jurisdiction of the Alberta Court with respect to any matter arising hereunder or relating hereto.

10.4 Damages

Under no circumstance shall any of the Parties, their Representatives or their respective directors, officers, employees or agents be liable for any punitive, exemplary, consequential or indirect damages (including for greater certainty, any loss of profits) that may be alleged to result, in connection with, arising out of, or relating to this Agreement or the Transaction.

10.5 Further Assurances

Each of the Parties hereto from and after the date hereof shall, from time to time, and at the request and expense of the Party requesting the same, do all such further acts and things and execute and deliver such further instruments,

documents, matters, papers and assurances as may be reasonably requested to complete the Transaction and for more effectually carrying out the true intent and meaning of this Agreement.

10.6 No Assignment by Purchaser

The Purchaser shall not, without the Vendor's prior written consent, assign any right or interest in this Agreement, which consent may be withheld in the Vendor's sole and absolute discretion, except that the Purchaser shall have the right to assign any or all of its rights, interests or obligations hereunder to one or more Affiliates of the Purchaser, provided that such Affiliate agrees to be bound by the terms of this Agreement and provided that the Purchaser shall remain liable hereunder for any breach of the terms of this Agreement by such Affiliate.

10.7 Waiver

No failure on the part of any Party in exercising any right or remedy hereunder shall operate as a waiver thereof, nor shall any single or partial exercise of any such right or remedy preclude any other or further exercise thereof or the exercise of any right or remedy in law or in equity or by statute or otherwise conferred. No waiver by any Party of any breach (whether actual or anticipated) of any of the terms, conditions, representations or warranties contained herein shall take effect or be binding upon that Party unless the waiver is expressed in writing under the authority of that Party. Any waiver so given shall extend only to the particular breach so waived and shall not limit or affect any rights with respect to any other or future breach.

10.8 Amendment

This Agreement shall not be varied in its terms or amended by oral agreement or by representations or otherwise other than by an instrument in writing dated subsequent to the date hereof, executed by a duly authorized representative of each Party.

10.9 Time of the Essence

Time is of the essence in this Agreement.

10.10 Costs and Expenses

Each Party shall be responsible for all costs and expenses (including the fees and disbursements of legal counsel, bankers, investment bankers, accountants, brokers and other advisors) incurred by it in connection with this Agreement and the Transaction. No Party shall be responsible for the costs and expenses of the other Party.

10.11 Notices

Any notice, demand or other communication required or permitted to be given to any Party shall be given in writing and addressed as follows:

- (a) in the case of the Vendor or the Receiver:

Ernst & Young Inc.
1000, 440 2nd Avenue S.W.
Calgary, AB Canada T2P 5E9
Attention: Neil Narfason
Fax: 403.206.5075
Email: neil.narfason@ca.ey.com
With a copy to the

And with a copy to the Receiver's Solicitors:

Borden Ladner Gervais LLP
1900, 520 – 3rd Ave S W
Calgary, AB, Canada T2P 0R3
Attention: Patrick T. McCarthy, Q.C./Jessica L. Cameron
Fax: 403.266.1395
Email: pmccarthy@blg.com / jcameron@blg.com

(b) In the case of the Purchaser:

Simmons Edeco Inc.
Suite 500 Mount Royal Place
1414 – 8 Avenue SW
Calgary, AB, Canada T2R 1J6
Attention: Chris Reimchen
Fax: 403.245.5156
Email: creimchen@simmonedeco.com

And with a copy to the Purchaser's Solicitors:

Burnet Duckworth & Palmer LLP
Suite 2400, 525 – 8 Avenue SW
Calgary, AB, Canada T2P 1G1
Attention: Carole Hunter
Fax: 403.260.0332
Email: chunter@bdplaw.com

Any such notice, if personally delivered, shall be deemed to have been validly and effectively given and received on the Business Day of such delivery and if sent by facsimile or other electronic communication with confirmation of transmission, shall be deemed to have been validly and effectively given and received on the Business Day next following the day it was received.

10.12 Enurement

This Agreement is binding upon, and enures to the benefit of, the Parties and their respective successors and permitted assigns.

10.13 Third Party Beneficiaries

Each Party intends that this Agreement shall not benefit or create any right or cause of action in or on behalf of any person other than the Parties and their successors and permitted assigns, and no person, other than the Parties and their successors and permitted assigns shall be entitled to rely on the provisions hereof in any action, suit, proceeding, hearing or other forum.

10.14 Severability

If any provision of this Agreement or any document delivered in connection with this Agreement is partially or completely invalid or unenforceable, the invalidity or unenforceability of that provision shall not affect the validity or enforceability of any other provision of this Agreement, all of which shall be construed and enforced as if that invalid or unenforceable provision were omitted. The invalidity or unenforceability of any provision in one jurisdiction shall not affect such provision validity or enforceability in any other jurisdiction.

10.15 Entire Agreement

This Agreement constitutes the entire agreement between the Parties with respect to the subject matter hereof and cancels and supersedes all prior agreements, understandings, negotiations and discussions, whether oral or written, between the Parties with respect to the subject matter hereof. There are no conditions, covenants, agreements, representations, warranties or other provisions, whether oral or written, express or implied, collateral, statutory or otherwise, relating to the subject matter hereof other than those contained in this Agreement.

10.16 Counterparts

This Agreement may be executed in any number of counterparts, each of which shall be deemed to be an original and all of which shall constitute one and the same agreement. Transmission by facsimile or other electronic means of an executed counterpart of this Agreement shall be deemed to constitute due and sufficient delivery of such counterpart.

[Remainder of page is intentionally blank]

IN WITNESS WHEREOF this Agreement has been properly executed by the Parties as of the date first above written.

BW SERVICES LUXEMBOURG S.A.R.L.

Per: _____

Name: _____

Title: Sole Manager/Authorised Signatory
(as the case may be)

SIMMONS EDECO INC.

Per: _____

Name: _____

Title: _____

Receipt acknowledged as of the date first above written.

**ERNST & YOUNG INC., in its capacity as receiver of
Calmena Energy Holdings Ltd. and not in its corporate
or personal capacity**

Per: _____

Name: _____

Title: _____

IN WITNESS WHEREOF this Agreement has been properly executed by the Parties as of the date first above written.

BW SERVICES LUXEMBOURG S.A.R.L.

Per: _____

Name: _____

Title: Sole Manager/Authorised Signatory
(as the case may be)

SIMMONS EDECO INC.

Per: _____

Victor Reddy
Name: *Victor Reddy*

Title: *Director*

Receipt acknowledged as of the date first above written.

**ERNST & YOUNG INC., in its capacity as receiver of
Calmena Energy Holdings Ltd. and not in its corporate
or personal capacity**

Per: _____

Name: _____

Title: _____

IN WITNESS WHEREOF this Agreement has been properly executed by the Parties as of the date first above written.

BW SERVICES LUXEMBOURG S.A.R.L.

Per: _____

Name: _____

Title: Sole Manager/Authorised Signatory
(as the case may be)

SIMMONS EDECO INC.

Per: _____

Name: _____

Title: _____

Receipt acknowledged as of the date first above written.

**ERNST & YOUNG INC., in its capacity as receiver of
Calmena Energy Holdings Ltd. and not in its corporate
or personal capacity**

Per: _____

Name: *Peter Chisholm*

Title: *Vice President*

SCHEDULE 1.1(Y)
PURCHASED EQUIPMENT

RIG 837 Equipment list to be purchased

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837 Equipment list 1

SE Seal Tag Numbers 6

Rig 837 ASSET'S TO BE PURCHASED BY SE

RIG RACKED IN WORLD COMMERCE FORWARDING INC. YARD ADDRESS,16102, AIR CENTER BLVD, HOUSTON TEXAS .

Equipment Name	Make	Model/Part #	Serial Number	Shaft Size	Frame	Volts	H.P.	RPM	Coupler or Belts	Seal	Pulley /Hub
Drawworks / Unit Trailer ID No: 837-07	Make	Model/Part #	Serial Number	Shaft Size	Frame	Volts	H.P.	RPM	Coupler or Belts	Seal	Pulley /Hub
Rig Deck Engine	Caterpillar	C-18 (ARR: 237-1955)	WJH05350				540				
Rig Deck Engine Mount Hyd. Pump	Hartman	74039 - 071	JXB13500					2100			
Rig Deck Electric Hyd Drive Motor	Marathon	FH405TTG64046AN ? Missing Tag	VW819180		405TC	230/480	100	1780			
Rig Deck Electric Hyd Drive Pump	Hartman	74006 - 4	HXJ10600 ? Missing Tag					2300			
Transmission	Allison	Model: S6610H P/N:295135415	3110112645								
Angle Drive	RIG TECH										
Drawworks	RIG TECH	RT-400B	RT-036-2008				540				
Draw Works Lub Electric Motor	Marathon	FJ145TTGN4049DAP	BV49552		145TC	480	1.5	1735			
Right Angel Lub Electric Motor	Marathon	FJ145TTGN4049DAP	BV500704? Missing Plate		145TC	480	1.5	1735			
Right Angle Drive Heat Transfer	Basco 500	1513-05-024-005	9087741-101								
Engine Starter	Caterpillar	207-1564CW	M06D28BG18A								
Engine Alternator	Caterpillar	4N3986	1117826								
Drill Line and Spool	Union			1 1/8" 6x19S-4WRC							
Automatic Driller	Make	Model/Part #	Serial Number								
Instrument Box											
Gear Box											
Rotating Equipment	Make	Model/Part #	Serial Number	Number of Sheaves	Size of Sheaves	Drill Line Size					
Top Drive	Venturetech	KK-250	6718								
Top Drive Traveling Block	MD Cowan	Split Block		4	30"	1 1/8"					
HPU DRIVE ENGINE	Caterpillar	C-18 (Ar.No: 237-1955)	WJH95414								
HPU Hydraulic Pump No 1	Sauer / Danfoss	80000822	N074701979								
HPU Hydraulic Pump No 2	Sauer / Danfoss	80000508	N033007527								
HPU Hydraulic Cooler (ID # MD528-M, SN: 837-011)	Thermal Transfer Product	A0VHMR-40-2-S-30	800505								
Dog House Raise Hyd. Unit	Make	Model/Part #	Serial Number	Shaft Size	Frame	Volts	H.P.	RPM	Coupler or Belts	Seal	Pulley /Hub
Electric Motor 3 Phase	Marathon	FH213TTGS4028DBL	C368		213TC	190/380	5	1470			
Hydraulic Pump	Cross - P/N 360004	40PH07 - DACSC	52420								
Hydraulic Bank		SVA-S30-5 valve bank	N/A								
Lifting Ram - Doghouse/Watertank	Parker	3771413309S63DC-97-111	F0708-1161								
Lifting Ram - Doghouse/PipeRack	Parker	3771413309S63DC-97-111	F0708-1162								
Lifting Ram - Sub/PipeRack	Parker	3771413309S63DC-97-111	F0708-1160								
Lifting Ram - Sub/WaterTank	Parker	3771413309S63DC-97-111	F0708-1163								
Hydraulic Ram Lock Pins#1	Maxim	218 - 336									
Hydraulic Ram Lock Pins#2	Maxim	218-336									
Eaton Brake Cooler	Make	Model/Part #	Serial Number	Shaft Size	Frame	Volts	H.P.	RPM	Coupler or Belts	Seal	Pulley /Hub
Electric Motor No 1 - 3 Phase	Siemens	RG22ESD	D08T0025XW/37	1.625 in.	256T	460	20	1755	Dodge Para Flex PX80		
2X3X11/11" IMP Water Pump No 2	Mission Mag	6402021231T70	M93596	1.875 in.							
Electric Motor No 2 - 3 Phase	Siemens	RG22ESD	D08T0025XW/38	1.625 in.	256T	460	20	1755	Dodge Para Flex PX80		
2X3X11/11" IMP Water Pump No 1	Mission Mag	6402021231T70	M93595	1.875 in.							
Eaton Brake Heat Exchanger	ITT	SY5415000221700	107204-01-02								
Mast	Make	Model/Part #	Serial Number								
Super Single - 72 FT - 500,000 LBS	IDS		M-1776								
Crown Block	Make	Model/Part #	Serial Number	NUMBER OF SHEAVES	SIZE OF SHEAVES	SHEAVE GROVE SIZE					
	IDS		NO PLATE	7 +1	7 X30 " &1 X 24"	1 1/8 "					
Dead Anchor	Make	Model/Part #	Serial Number								
	Hercules 1.5 in 45000 lbs.	Model:118-T P/N:MT8-19-68	NO PLATE								
Slip Table	Make	Model/Part #	Serial Number								
	Cavins	F-SPIDER-TF-101	595								
Mud System	Make	Model/Part #	Serial Number	Date of Manufacture			H.P.	RPM	Coupler or Belts		
Mud Pump 1 ID No. 837-004	HHF-1000	HHF-1000	66-261	09/02/2003			1000				
Engine No. 1	Caterpillar	Model:3508 Ar No:264-4644	LLED0539				1100				
Engine No. 1 Radiator	General Thermo Dynamics	3771H/AS	08316-8								
Torque Converter	Oil Works	Model:C-300-80 Type:F Spec:1-6131	1-6239	1							

Liner wash motor	Siemens	Type:RG2ZESD/Ord# 3002026346-10	101138	1.125 in	184TC	460	5	3490			
Liner wash pump	MP pumps Inc.	28347	08J0339								
Charge pump motor	WWE	XWWE50-18-326T	8G0Q2619	2.135 in	326T	460	50	1775	Good Year C72		xtnt 8x3c-e
5X6X11/11"IMP / Charge pump	MCM	250 Series	20077	1.975 in					HY-Tplus by 3		xtnt 8x3c-e
Rad Fan Motor	WWE	XWWE50-18-326T	8G0Q2632	2.135 in	326T	460	50	1775	by 6		
Mud Pump 2 ID No. 837-005	Make	Model/Part #	Serial Number	Date of Manufacture			H.P.	RPM	Coupler or Belts		
	HHF-1009	HHF-1009	66-0375	09/02/2003			1000				
Engine No. 2	Caterpillar	Model:3508 Ar.No:264-4644	LLE00551				1100				
Engine No. 2 Radiator	General Thermo Dynamics	3771H/AS	08316-9								
Torque Converter	Oil Works	Model:C-300-80 Type:F Spec:1-6130	1-6236								
Liner wash motor	Siemens	Type:RG2ZESD/Ord# 3002026346-10	BX-847072	1.125 in	184TC	460	5	3490			
Liner wash pump	MP pumps Inc.	28647	08J0037								
Charge pump motor	WWE	XWWE50-18-326T	8G0Q2610	2.135 in	326T	460	50	1775	Good Year C72		xtnt 8x3c-e
5X6X11/11" IMP / Charge pump	MCM	250 Series	20084	1.975 in					HY-Tplus by 3		xtnt 8x3c-e
Rad Fan Motor	WWE	XWWE50-18-326T	8G0Q2622	2.135 in	326T	460	50	1775	by 6		
Shale Shakers	Make	Model/Part #	Serial Number			Volts	H.P.	RPM			
Shale Shaker No 1	Derrick	Model:FLC.504	MA012834								
No 1 Shale Shaker motors (upper)	Derrick	SGX-38-18-460/480-6-001	SG13180			460	2.5	1800			
No 1 Shale Shaker motors (lower)	Derrick	SGX-38-18-460/480-6-001	SG13179			460	2.5	1800			
Shale Shaker No 2	Derrick	Model:FLC.504	MA012406								
No 2 Shale Shaker motors (upper)	Derrick	SGX-38-18-460/480-6-001	SG12403			460	2.5	1800			
No 2 Shale Shaker motors (lower)	Derrick	SGX-38-18-460/480-6-001	SG12404			460	2.5	1800			
Shale Shaker No 3	Derrick	Model:FLC.504	15984-417								
No 3 Shale Shaker motors (upper)	Derrick	SGX-38-18-460/480-6-001				460	2.5	1800			
No 3 Shale Shaker motors (lower)	Derrick	SGX-38-18-460/480-6-001				460	2.5	1800			
Mud Agitators	Make	Model/Part #	Serial Number	Shaft Size	Frame	Volts	H.P.	RPM	Coupler or Belts	Seal	Pulley /Hub
Mud Agitator No 1	OIL WORKS	PIT BOSS	4097	1.48 in.					Woods Sure	491 By 27	
Mud Agitator electric motor No. 1	Baldor	Spec#07J231X836H1/Cat#:M7170T-1	F0812086716	1.48 in.	215T	460	10	1765	Flex # 7	0FW1	
Mud Agitator No 2	OIL WORKS	PIT BOSS	4101	1.48 in.					Woods Sure	491 By 27	
Mud Agitator electric motor No 2	WEG	01018XP3E215T	250UT08/1003282857	1.48 in.	215T	460	10	1765	Flex # 7	0FW1	
Mud Agitator No 3	OIL WORKS	PIT BOSS	4107	1.48 in.					Woods Sure	491 By 27	
Mud Agitator electric motor No 3	WEG	01018XP3E215T	270UT08/1003282855	1.48 in.	215T	460	10	1765	Flex # 7	0FW1	
Mud Agitator No 4	OIL WORKS	PIT BOSS	4100	1.48 in.					Woods Sure	491 By 27	
Mud Agitator electric motor No 4	Baldor	Spec#07J231X836H1/Cat#:M7170T-1	F0812086704	1.48 in.	215T	460	10	1765	Flex # 7	0FW1	
Mud Agitator No 5	OIL WORKS	PIT BOSS	4109	1.48 in.					Woods Sure	491 By 27	
Mud Agitator electric motor No 5	Baldor	Spec#07J231X836H1/Cat#:M7170T-1	F0812086707	1.48 in.	215T	460	10	1765	Flex # 7	0FW1	
Mud Cleaners	Make	Model/Part #	Serial Number	NUMBER OF CONES	SIZE OF CONES						
Desander	Derrick		AD004510	3 Slots 2 in use	5"						
Desilter	Derrick	DER10000	AD003541	20 slots 16 in use	2"						
Mud Gas Separator	Make	Model/Part #	Serial Number		Frame	Volts	H.P.	RPM	Coupler or Belts	Seal	Pulley /Hub
Pump	Burgess Magna	VACM# 1000	545								
Motor	Baldor	BY457362	F0812086704		256TCZ	460	10	3525			
Motor	Baldor	BY457388	F0812086717				10				
Mud Conditioning (TRANSFER PUMPS) SETTLEING TANK	Make	Model/Part #	Serial Number	Shaft Size	Frame	Volts	H.P.	RPM	Coupler or Belts	Seal	Pulley /Hub
ID NO: NO PLATE	WWE	XWWE50-18-326T	8G0Q2604	2.135in	326T	460	50	1775	Good Year C72		xtnt 8x3c-e
Desander motor 3 Phase	MCM	250 series	17852	1.975in					HY-Tplus by 3		xtnt 10x3c-e
5x6x11/11" IMP / Desander Pump 1		Oil works Assy # 2-8716									
Desilter motor 3 Phase	WWE	XWWE50-18-326T	8G0Q2625	2.135in	326T	460	50	1775	Good Year C72		xtnt 8x3c-e
5x6x11/11" IMP / Desilter Pump 2	MCM	250 series	20039	1.975in					HY-Tplus by 3		xtnt 10x3c-e
		Oil works Assy # 2-8715									
Total Tank Capacity 375 BBL											
Mud Mixing (Suction Tank) ID No: 837-003	Make	Model/Part #	Serial Number	Shaft Size	Frame	Volts	H.P.	RPM	Coupler or Belts	Seal	Pulley /Hub
Mix Motor No. 1	WWE	XWWE20-18-256T	8G0Q2611	2.135in	326T	460	50	1775	Good Year C72		xtnt 8x3c-e
Pump 5x5x11"	MCM	250 Series	20043								
Mud Tank Total Capacity : 375 BBL											
Mud Mixing Hopper	Vortex Ventures	V V E - U - 6S / 5/664/733	29-2772								
Trip Tank	Make	Model/Part #	Serial Number	Size	Frame	Volts	H.P.	RPM	Coupler or Belts	Seal	Pulley /Hub
Motor No. 1	WWE	XWWE20-18-256T	8FWQ0134				20				
IMP Pump No. 1	MCM	250 Serie	20144	2x3x13"							
Motor No. 2	WWE	XWWE20-18-256T	8FWQ0132				20				
IMP Pump No. 2	MCM	250-Serie	18704	2x3x13"							
Capacity 45 BBL											
Premix Mud Tank (Optional) No ID Plate	Make	Model/Part #	Serial Number	Size	Frame	Volts	H.P.	RPM	Coupler or Belts	Seal	Pulley /Hub
Mixing Pump	MCM	250 Series	20037	8x5x11"							
Electric Motor	WWE	XWWE50-18-256T	HG0Q2615				50				
Mixing Hopper	STANDARD MIXXING HOPPER										
Mud Agitator 1 Electric Motor											
Mud Agitator 2 Electric Motor											

			Oil works Assy # 2-8459								
Rig Water Tranfer Pumps	Make	Model/Part #	Serial Number	Shaft Size	Frame	Volts	H.P.	RPM	Coupler or Belts	Seal	Pulley /Hub
T/F Motor No 1 - 3 Phase	WWE	XWWE20-18-256T	8GWQ0169		256T	460	20	1765			
2X3X13/11" IMP T/F Pump No 1	MCM	250 Series	28133								
T/F Motor No 2 - 3 Phase	WWE	XWWE20-18-256T	8GWQ01610		256T	460	20	1765			
2X3X13/11" IMP T/F Pump No 2	MCM	250 Series	18700								
Rig Fuel Transfer Pumps	Make	Model/Part #	Serial Number	Size	Frame	Volts	H.P.	RPM	Coupler or Belts	Seal	Pulley /Hub
Fuel Pump No 1	Roper	P-2-C-121		2"							
Motor No 1	Emerson	AB27A			213T	460	20	1176			
Fuel Pump No 2	Roper	P-2-C-121		2"							
Motor No 2	WWE	AB27A			213T	460	20	1176			
Rig Gen Engines Building ID No: 837-012	Make	Model/Part #	Serial Number	Shaft Size	Frame	Volts	H.P.	RPM	Coupler or Belts	Seal	Pulley /Hub
Engine No 2	Caterpillar	C-15	P1Z00227				865	1800			
Radiator No 1	CAT/Petro Lite	323-9136	2969830								
Engine No 1	Caterpillar	C-15	P1Z60217				865	1800			
Radiator No 2	CAT/Petro Lite	323-9136	2969831								
AC Generators	Make	Model/Part #	Serial Number	Shaft Size	Frame	Volts	H.P.	RPM	Coupler or Belts	Seal	Pulley /Hub
AC Generator No 2	Caterpillar	SR4B	7ZL01658			430					
AC Generator No 1	Caterpillar	SR4B	7ZL01647			430					
Air Compressors	Make	Model/Part #	Serial Number	Shaft Size	Frame	Volts	H.P.	RPM	Coupler or Belts	Seal	Pulley /Hub
Air Compressor No 1 Air Dryer	Great Lakes		34266								
Air Compressor No 1 Motor	Sullivan Palatek	25D4J-TE			284TSC	230/460 60HZ	25	1775	Shaft Size: 1.25"		
Air Compressor No 1 Pump			09A043								
Air Compressor No 1 Receiver	Sullivan Palatek	Cat#302626	223356								
Air Compressor No 2	Sutlivan Palatek	25D4J-TE	06K098								
Air Compressor No 2 Air Dryer	Great Lakes		34266								
Air Compressor No 2 Motor	Sullivan Palatek	25D4J-TE			284TSC	230/460 60HZ	25	1775	Shaft Size: 1.25"		
Air Compressor No 2 Pump			09A044								
Air Compressor No 2 Receiver	Sullivan Palatek	Cat#302626	223355								
Mud Pump #1 Air Receivers	Make	Model/Part #	Serial Number	Shaft Size	Frame	Volts	H.P.	RPM	Coupler or Belts	Seal	Pulley /Hub
Tank Receiver	Manchester	Cat # 302410	227484								
	CRN # FO516.1C										
Mud Pump No 1 Air Relief Valve	Mercer	91-06D51V07E1	504975								
	CRN # OG8841-5C										
Mud Pump #2 Air Receivers	Make	Model/Part #	Serial Number	Shaft Size	Frame	Volts	H.P.	RPM	Coupler or Belts	Seal	Pulley /Hub
Tank Receiver	Manchester	Cat # 302410	227487								
	CRN # FO516.1C										
Mud Pump No 2 Air Relief Valve	Mercer	91-06D51V07E1	504960								
	CRN # OG8841-5C										
Drwks Carrier Air Relief Valve's	Make	Model/Part #	Serial Number	Shaft Size	Frame	Volts	H.P.	RPM	Coupler or Belts	Seal	Pulley /Hub
Drawworks Carrier Receiver	Manchester	Cat #302473	220193								
Drawworks Receiver Relief valve		ST25	068703								
Accumulator Air Reciever	Make	Model/Part #	Serial Number	Shaft Size	Frame	Volts	H.P.	RPM	Coupler or Belts	Seal	Pulley /Hub
Tank Receiver	Manchester	Cat# 302410	223111								
Tank Relief Valve	Mercer	91-06D51V07E1	504966								
Air Dryers	Make	Model/Part #	Serial Number	Shaft Size	Frame	Volts	H.P.	RPM	Coupler or Belts	Seal	Pulley /Hub
unit 1	Manchester	36908	233169								
unit 2	Manchester	36909	233179								
SCR Controls & Switchgear	Make	Model/Part #	Serial Number	Shaft Size	Frame	Volts	H.P.	RPM	Coupler or Belts	Seal	Pulley /Hub
Fire Extinguishers	Make	Model/Part #	Serial Number	Shaft Size	Frame	Volts	H.P.	RPM	Coupler or Belts	Seal	Pulley /Hub
	TBA										
Rig Skidded Equipment	Make	Skid Plate Number	Serial Number	Shaft Size	Frame	Volts	H.P.	RPM	Coupler or Belts	Seal	Pulley /Hub
Shaker Skid	MDCowan / Derrick	837-01	837-001								
Mud Pit – Return	Desert Tanks	837-02	837-002								
Mud Pit – Suction	Desert Tanks	837-03	837-003								
Mud Pump 1 (1,000hp w/CAT 3508)	MDCowan	837-04	837-004								
Mud Pump 2 (1,000hp w/CAT 3508)	MDCowan	837-05	837-005								
Drawworks ramp (mud boat)	MDCowan	837-06	837-006								
Drawworks/Unit Trailer	MDCowan	837-07	837-007								
Mast (includes top drive; moves with #7)	IDS	837-07A									
Pipe Handler/ Substructure Skid	MDCowan	837-08	837-008								
Pipe Handler	IDS		WFD-3-1778-2117								
Dog/Change House Skid	MDCowan	837-09	837-009								
Water Tank		837-10	837-010								
Lubester/Brake Coolant Skid	MD Cowan	837-11	837-011								
Pump No: 1 Size 2x3 11	Mission Magnum		M93595								
Motor No: 1	Siemens		DO8T0025XW/37	3							
Pump No: 2 Size 2x3 11	Mission Magnum		M93596								

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X Overs and Bit Subs	Size	Length	Make	Correction	Quantity				
Various Sizes					Estimated 20 Pieces				
SPARE Engine	Caterpillar	C-15 (A/R.No: 254-3535)	JRE02277					540	
SPARE Transmission	Allison	56610H P/N: 2554635608021	Z110112427						

SIMMONS EDECO SEAL TAG NUMBERS FOR RIG 837 BUILDINGS

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CALMENA ENERGY SERVICES DE MEXICO S. DE R.L. DE C.V.

(the “Vendor”)

and

SIMMONS EDECO MEXICO S.A. DE C.V.

(the “Purchaser”)

ASSET PURCHASE AGREEMENT

September 25, 2015

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Schedule 8.2(b) Form of Assignment Agreement

ASSET PURCHASE AGREEMENT dated September 25, 2015

BETWEEN:

CALMENA ENERGY SERVICES DE MEXICO S. DE R.L. DE C.V., a corporation
subsisting under the laws of Mexico (the “**Vendor**”)

- and -

SIMMONS EDECO MEXICO S.A. DE C.V. a corporation subsisting under the laws of Mexico,
(the “**Purchaser**”)

WHEREAS:

- A. Pursuant to the *Bankruptcy and Insolvency Act*, R.S.C. 1985, c. B-3, as amended (the “**BIA**”), the Alberta Court of Queen’s Bench (the “**Alberta Court**”) granted a receivership order with respect to all of the current and future property and undertakings of Calmena Energy Services Inc., Calmena Energy Holdings Ltd., 1414995 Alberta Ltd., Calmena Energy Services Operating Limited Partnership, Calmena Energy Services (USA) Corp. *et al.* (the “**Debtors**”) on January 20, 2015, as amended on February 9, 2015 and May 20, 2015 (the “**Receivership Order**”) appointing the Receiver (as hereinafter defined) as receiver and manager of the Debtors;
- B. The Vendor is a 99.9% owned subsidiary of 1414995 Alberta Ltd. Pursuant to the Receivership Order, the Receiver controls the shares of the Vendor; and
- C. The Vendor has agreed to sell, transfer and assign to the Purchaser all of its right, title and interest to the Purchased Contract on the terms and conditions set forth herein.

NOW THEREFORE this Agreement witnesses that in consideration of the mutual covenants and agreements contained herein, and for other good and valuable consideration, the receipt and sufficiency of which are acknowledged by each Party to the other, the Parties agree as follows:

ARTICLE 1
INTERPRETATION

1.1 Definitions

In this Agreement:

- (a) “**Affiliate**” means, with respect to any person, any other person or group of persons acting in concert, directly or indirectly, that controls, is controlled by or is under common control with such person. The term “control” as used in the preceding sentence means the possession, directly or indirectly, of the power to direct or cause the direction of the management or policies of a person whether through ownership of more than 50% of the voting securities of such person, through being the general partner or trustee of the other person, or through contract or otherwise;
- (b) “**Agreement**” means this asset purchase agreement and all Schedules attached hereto;
- (c) “**Alberta Court**” has the meaning ascribed to that term in the recitals;
- (d) “**Applicable Law**” means, in respect of any person, assets, transaction, event or circumstance:
 - (i) statutes (including regulations enacted thereunder);
 - (ii) judgments, decrees and orders of courts of competent jurisdiction;

- (iii) regulations, orders, ordinances and directives issued by Government Authorities; and
 - (iv) the terms and conditions of all permits, licenses, approvals and authorizations,
- which are applicable to such person, asset, transaction, event or circumstance;
- (e) **“Assignment Agreement”** means the assignment agreement attached as Schedule 8.2(b) regarding the assignment and assumption of the Purchased Contract;
 - (f) **“Books and Records”** means all of the Vendor’s books and records in the Receiver’s possession, regardless of physical, electronic, or other format, related directly and solely to the Purchased Contract, which for greater certainty excludes all intellectual property described therein;
 - (g) **“Business Day”** means a day other than a Saturday, Sunday or any other day on which the principal chartered banks located in Calgary, Alberta are not open for the transaction of domestic business during normal banking hours;
 - (h) **“Claim”** means any right or claim of any person that may be asserted or made in whole or in part against the Vendor or any of its Affiliates and their respective directors, officers, employees, agents or advisors, whether or not asserted or made, in connection with any indebtedness, liability or obligation of any kind whatsoever, and any interest accrued thereon or costs payable in respect thereof, including without limitation, by reason of the commission of a tort (intentional or unintentional), by reason of any breach of contract or other agreement (oral or written), by reason of any breach of duty (including, without limitation, any legal, statutory, equitable or fiduciary duty) or by reason of any right of ownership of or title to property or assets or right to a trust or deemed trust (statutory, express, implied, resulting, constructive or otherwise), and whether or not any indebtedness, liability or obligation is reduced to judgment, liquidated, unliquidated, fixed, contingent, matured, unmatured, disputed, undisputed, legal, equitable, secured, unsecured, present or future, known or unknown, by guarantee, surety or otherwise, and whether or not any right or claim is executory or anticipatory in nature including, without limitation, any right or ability of any person to advance a claim for contribution or indemnity or otherwise with respect to any matter, action, cause or chose in action whether existing at present or commenced in the future, together with any other rights or claims of any kind that, if unsecured, would be a debt provable in bankruptcy within the meaning of the *Bankruptcy and Insolvency Act* (Canada) had the Vendor become bankrupt;
 - (i) **“Closing”** means the completion of the purchase and assumption by the Purchaser and sale and assignment by the Vendor of the Purchased Contract and the completion of all other transactions contemplated by this Agreement that are to occur contemporaneously with such sale, all subject to and in accordance with the terms and conditions of this Agreement;
 - (j) **“Court Approval”** means the approval of the Transaction by the Alberta Court;
 - (k) **“Closing Date”** means the date that is no later than September 30, 2015 or such other date as may be agreed to by the Vendor and the Purchaser;
 - (l) **“Data Room Information”** means all information made available (by the Receiver or otherwise) for the Purchaser’s review in electronic form in relation to the Vendor, its Affiliates and/or the Purchased Contract;
 - (m) **“Direct Costs”** means all operating costs related to the Purchased Contract, including, but not limited to employee costs, fuel and lubricants costs, repairs and maintenance costs, crew costs, materials and supplies costs, communications costs, insurance premiums and costs, regulatory costs, vehicle costs, and similar direct costs of operations, but excluding security costs associated with the drilling rig that is being utilized under the Purchased Contract;

- (n) **“Effective Time”** means 12:00 a.m. (Calgary time) on September 1, 2015;
- (o) **“Encumbrances”** means any pledges, liens, security interests, encumbrances, claims, charges, options or interests;
- (p) **“Final Statement of Adjustments”** has the meaning ascribed to that term in Section 4.2;
- (q) **“GAAP”** means accounting principles generally accepted in Canada including those recommended or approved by the Canadian Institute of Chartered Accountants at the relevant time including to the extent applicable, international financial reporting standards;
- (r) **“Governmental Authority”** means any domestic or foreign government, whether federal, provincial, state, territorial, county, parish, or municipal; and any governmental agency, ministry, department, tribunal, commission, bureau, board or other instrumentality exercising or purporting to exercise legislative, judicial, regulatory or administrative functions of, or pertaining to, government, having jurisdiction over a Party, the Purchased Contract or the Transaction;
- (s) **“Governmental Order”** means any order, writ, judgment, injunction, decree, stipulation, determination or award entered by or with any Governmental Authority;
- (t) **“Interim Statement of Adjustments”** has the meaning ascribed to that term in Section 4.2;
- (u) **“Legal Proceeding”** means any litigation, action, suit, investigation, hearing, claim, complaint, grievance, arbitration proceeding or other proceeding and includes any appeal or review or retrial of any of the foregoing and any application for same;
- (v) **“Losses and Liabilities”** means any and all assessments, charges, costs, damages, debts, expenses, fines, liabilities, losses, obligations and penalties, whether accrued or fixed, absolute or contingent, matured or unmatured or determined or determinable, including those arising under any Applicable Law, Claim by any Governmental Authority or Governmental Order and those arising under any contract, agreement, arrangement, commitment or undertaking and costs and expenses of any Legal Proceeding, assessment, judgment, settlement or compromise relating thereto, and all interest, fines and penalties and reasonable legal fees and expenses incurred in connection therewith (on a full indemnity basis);
- (w) **“Notice Period”** has the meaning ascribed to that term in Section 9.2(b);
- (x) **“Overhead Costs”** shall mean \$4,507 per day;
- (y) **“Parties”** means, collectively, the Purchaser and the Vendor, and **“Party”** means any one of them;
- (z) **“Permitted Encumbrances”** means any Encumbrance held by any Third Party in respect of which Vendor delivers a release, no interest letter, discharge, or undertaking to discharge, satisfactory to Purchaser at or prior to Closing;
- (aa) **“person”** means any individual, corporation, limited or unlimited liability company, joint venture, partnership (limited or general), trust, trustee, executor, Governmental Authority or other entity;
- (bb) **“Purchased Contract”** means the Master Services Contract between the Vendor and Petrohuasteca Oil Services, S.A.P.I. de C.V. dated August 31, 2015;
- (cc) **“Purchase Price”** has the meaning ascribed to that term in Section 3.1;

- (dd) **“Purchaser’s Solicitors”** means the law firm of Burnet Duckworth & Palmer LLP or such other firm or firms of solicitors as are appointed by the Purchaser from time to time and notice of which is provided to the Vendor;
- (ee) **“Receiver”** means Ernst & Young Inc. in its capacity as the Alberta Court-appointed receiver of the Debtors and not in its personal or corporate capacity;
- (ff) **“Receiver’s Solicitors”** means the law firm of Borden Ladner Gervais LLP (or any successor thereto) or such other firm or firms of solicitors as are appointed by the Receiver from time to time and notice of which is provided to the Purchaser;
- (gg) **“Representative”** means, in respect of a person, each director, officer, employee, agent, legal counsel, accountant, professional advisor and other representative of such person and its Affiliates, and with respect to the Vendor, includes the Receiver and their respective Affiliates, directors, officers, employees, agents, legal counsel, accountants, professional advisors and other representatives;
- (hh) **“Third Party”** means any person who is not a Party;
- (ii) **“Third Party Claim”** means any Claim by a Third Party asserted against the Vendor for which the Purchaser has indemnified the Vendor or is otherwise responsible for pursuant to this Agreement;
- (jj) **“Time of Closing”** means 10:00 am (Calgary, Alberta time) on the Closing Date or such other date and time as the Parties may agree in writing that the Closing shall take place;
- (kk) **“Transaction”** means the transaction for the purchase, sale, assignment and assumption of the Purchased Contract as contemplated in this Agreement; and
- (ll) **“Vendor’s Interest”** means, when used in relation to any asset, undertaking or property, all the right, title and interest, if any, of the Vendor in such asset, undertaking or property.

1.2 Interpretation

The following rules of construction shall apply to this Agreement unless the context otherwise requires:

- (a) All references to monetary amounts, unless indicated to the contrary, are to the lawful currency of the United States.
- (b) Words importing the singular include the plural and vice versa, and words importing gender include the masculine, feminine and neuter genders.
- (c) The word “include” and derivatives thereof shall be read as if followed by the phrase “without limitation”.
- (d) The words “hereto”, “herein”, “hereof”, “hereby”, “hereunder” and similar expressions refer to this Agreement and not to any particular provision of this Agreement.
- (e) The headings contained in this Agreement are for convenience of reference only, and shall not affect the meaning or interpretation hereof.
- (f) Reference to any Article, Section or Schedule means an Article, Section or Schedule of this Agreement unless otherwise specified.

- (g) If any provision of a Schedule hereto conflicts with or is at variance with any provision in the body of this Agreement, the provisions in the body of this Agreement shall prevail to the extent of the conflict.
- (h) All documents executed and delivered pursuant to the provisions of this Agreement are subordinate to the provisions hereof and the provisions hereof shall govern and prevail in the event of a conflict.
- (i) This Agreement has been negotiated by each Party with the benefit of legal representation, and any rule of construction to the effect that any ambiguities are to be resolved against the drafting Party does not apply to the construction or interpretation of this Agreement.

1.3 Schedules

The following are the Schedules attached to and incorporated in this Agreement by reference and deemed to be a part hereof:

Schedule 8.2(b) Form of Assignment Agreement

ARTICLE 2 PURCHASE AND SALE OF PURCHASED CONTRACT

2.1 Agreement of Purchase and Sale

Subject to the terms and conditions of this Agreement including Section 2.2, if the Closing Occurs, on the Closing Date, the Vendor shall sell, assign and transfer to the Purchaser all of the Vendor's Interest in the Purchased Contract, and the Purchaser shall (a) purchase and accept from the Vendor all of the Vendor's Interest in the Purchased Contract; and (b) assume all of the Vendor's liabilities and obligations under the Purchased Contract as of and from the Effective Date.

2.2 Transfer of Purchased Contract

Subject to the terms and conditions of this Agreement, on the Closing Date the title and possession of the Purchased Contract shall transfer from the Vendor to the Purchaser, free and clear of all Encumbrances other than Permitted Encumbrances, and the risk, liabilities and obligations under the Purchased Contract shall be assumed by the Purchaser with effect as of, and from, the Effective Time.

ARTICLE 3 PURCHASE PRICE

3.1 Purchase Price

The purchase price to be paid by the Purchaser to the Vendor for the Purchased Contract shall be:

- (a) \$1.00 as adjusted pursuant to Article 4; and
- (b) the Purchaser shall assume all of the Vendor's liabilities and obligations arising from, associated with or related to the Purchased Contract effective as of, and from, the Effective Time,

(the "**Purchase Price**").

3.2 Payment of the Purchase Price

The Purchaser shall pay to the Receiver or the Receiver's Solicitors (in trust for and on behalf of the Vendor) at Closing, by certified cheque, bank draft or electronic wire transfer, the adjusted Purchase Price as set forth in the Interim Statement of Adjustments.

ARTICLE 4 ADJUSTMENTS

4.1 Adjustments for Accruals

- (a) If Closing occurs, the Purchased Contract shall be the responsibility of the Vendor up to the Effective Time such that all permitted risk of loss and costs of the Purchased Contract shall, subject to the provisions of this Agreement, be apportioned on an accrual basis between the Vendor and the Purchaser as of the Effective Time, on and subject to the following:
 - (i) all Direct Costs and Overhead Costs accruing to the Effective Time shall be for the Vendor's account and all Direct Costs and Overhead Costs accruing after the Effective Time shall be for the Purchaser's account;
 - (ii) all revenues from the Purchased Contract accruing to the Effective Time shall be for the Vendor's account and all revenues from the Purchased Contract accruing after the Effective Time shall be for the Purchaser's account.
 - (iii) the net income or loss (gross revenue less Direct Costs) that has accrued in respect of the Purchased Contract from the Effective Time to the Time of Closing will be reported as income or loss for income tax purposes by Vendor and net income or loss utilized to account for the apportionments hereunder will be adjusted for actual income taxes and the net amount will constitute an increase or decrease, as the case may be, to the Purchase Price;
- (b) The Parties shall use best efforts to include all adjustments made in this Article 4 in the Interim Statement of Adjustments. If any adjustments have not been finalized at Closing pursuant to the Interim Statement of Adjustment, they shall be dealt with in the Final Statement of Adjustments.

4.2 Statement of Adjustments

- (a) The Vendor shall carry out an interim accounting and adjustment and prepare and deliver to the Purchaser on or prior to the Closing Date a statement setting forth the Vendor's good faith estimate of all adjustments to be made for the transactions contemplated herein. Prior to Closing, the Purchaser shall provide a written statement of what adjustments it agrees to (the "**Interim Statement of Adjustments**"), and the Interim Statement of Adjustments shall form an adjustment to the Purchase Price pursuant to Section 3.2 hereof.
- (b) The Vendor shall carry out a final accounting and adjustment and prepare and deliver to the Purchaser a statement setting forth all adjustments to be made for the transactions contemplated herein no later than 30 days following the Closing Date (the "**Final Statement of Adjustments**"). In the event the information or other third-party documentation required by Vendor to issue a full and complete Final Statement of Adjustments is not made available to Vendor within 30 days of the Closing Date, Vendor may request Purchaser provide an extension of time within which to issue the Final Statement of Adjustments, which consent shall not be unreasonably withheld by Purchaser. After receiving the Final Statement of Adjustments, the Purchaser will have 30 days following the receipt of same to provide the Vendor with further adjustments, claims, discrepancies or disputes to be addressed in the Final Statement of Adjustments. If the Parties are

unable to agree on the Final Statement of Adjustments, the Parties shall seek a determination of the amount of the Final Statement of Adjustments, if any, from the Alberta Court.

ARTICLE 5 REPRESENTATIONS AND WARRANTIES

5.1 Purchaser's Representations and Warranties

The Purchaser hereby represents and warrants to and in favour of the Vendor that, both now and at the Closing Date:

- (a) the Purchaser is a corporation duly incorporated and validly subsisting under the laws of the jurisdiction of its incorporation and has the requisite power and authority to enter into this Agreement and to complete the Transaction;
- (b) the Purchaser has taken all necessary corporate action to authorize the entering into and performance by it of this Agreement;
- (c) provided that the Court Approval is obtained, execution, delivery and performance of this Agreement by the Purchaser does not and will not require any consent, approval, authorization or other order of, action by, filing with or notification to, any Governmental Authority, except where failure to obtain such consent, approval, authorization or action, or to make such filing or notification, would not prevent or materially delay the consummation by the Purchaser of the Transaction; and
- (d) this Agreement has been duly executed and delivered by the Purchaser and constitutes a legal, valid and binding obligation of the Purchaser and is enforceable against the Purchaser in accordance with its terms, except as enforceability may be limited by applicable bankruptcy, insolvency, reorganization or similar Applicable Laws relating to creditors' rights generally and subject to general principles of equity.

5.2 Limited Representations and Warranties by the Vendor

- (a) The Vendor hereby represents and warrants to and in favour of the Purchaser that, both now and at the Closing Date:
 - (i) subject to receipt of the consent of Petrohuasteca Oil Services, S.A.P.I. de C.V, it has the legal right, title, and authority to sell and assign Vendor's Interest in the Purchased Contract to the Purchaser on the terms and conditions of this Agreement, free and clear on Closing of all Encumbrances, other than Permitted Encumbrances;
 - (ii) it is a corporation duly incorporated and validly subsisting under the laws of the jurisdiction of its incorporation and has the requisite power and authority to enter into this Agreement and to complete the Transaction;
 - (iii) it has taken all necessary corporate action to authorize the entering into and performance by it of this Agreement;

- (iv) provided that the Court Approval is obtained, execution, delivery and performance of this Agreement by it does not and will not require any consent, approval, authorization or other order of, action by, filing with or notification to, any Governmental Authority, except where failure to obtain such consent, approval, authorization or action, or to make such filing or notification, would not prevent or materially delay the consummation by it of the Transaction; and
 - (v) this Agreement has been duly executed and delivered by it and constitutes a legal, valid and binding obligation of it and is enforceable against it in accordance with its terms, except as enforceability may be limited by applicable bankruptcy, insolvency, reorganization or similar Applicable Laws relating to creditors' rights generally and subject to general principles of equity.
- (b) Except as expressly set out in Section 5.2(a), neither the Vendor nor any of its Representatives makes any representations or warranties, and in particular, and without limiting the generality of the foregoing, the Vendor disclaims and neither the Vendor nor any of its Representatives shall be liable for any representation or warranty which may have been made or alleged to be made in any instrument or document related hereto or in any statement or information made or communicated to the Purchaser in any manner including any opinion, information, or advice which may have been provided to the Purchaser by the Vendor or any of its Representatives in connection with the Purchased Contract or in relation to the Transaction. For greater certainty, neither the Vendor nor any of its Representatives makes any condition, representation or warranty, express or implied, with respect to:
 - (i) the Data Room Information or any other data or information supplied by the Vendor or any of its Representatives in connection with the Purchased Contract, including by way of management presentations or otherwise;
 - (ii) the validity or enforceability of the Purchased Contract;
 - (iii) the value of any of the Purchased Contract or the future cash flow therefrom;
 - (iv) tax issues relating to the Vendor or the Purchased Contract.
- (c) The Purchaser acknowledges and confirms that it has had an opportunity to conduct any and all due diligence regarding the Purchased Contract and, except for the representations set out in Section 5.2(a) herein, that it is relying on its own investigations concerning the Purchased Contract and it has not relied on advice from the Vendor or any of its Representatives with respect thereto, including with respect to the matters specifically enumerated in the immediately preceding paragraphs in connection with the purchase of the Purchased Contract pursuant hereto. The Purchaser further acknowledges and agrees that it is acquiring the Purchased Contract on an "as is, where is" basis. The Purchaser acknowledges and agrees that it is familiar with the status of the Purchased Contract, and that the Vendor has provided the Purchaser with a reasonable opportunity to review and conduct due diligence on the Purchased Contract at the sole cost, risk and expense of the Purchaser and that the Purchaser is not relying upon any representation or warranty of the Vendor as to the status of the Purchased Contract, except for the representations set out in Section 5.2(a).
- (d) Except for its express rights under this Agreement (including with respect to the representations under Section 5.2(a)), the Purchaser hereby waives all rights and remedies (whether now existing or hereinafter arising and including all common law, tort, contractual and statutory rights and remedies) against the Vendor and its Representatives in respect of the Purchased Contract or the Transaction or any representations or statements made or information or data furnished to the Purchaser or its Representatives in connection herewith (whether made or furnished orally or by electronic, faxed, written or other means).

ARTICLE 6 COVENANTS

6.1 Assignment of Purchased Contract and Third Party Consents

- (a) The Parties hereby approve the form of Assignment Agreement attached as Schedule 8.2(b). Subject to the terms and conditions of this Agreement, and the form of Assignment Agreement acceptable to the Parties acting reasonably, the Vendor shall use its best commercial efforts to ensure that the Purchased Contract is assigned to the Purchaser on the Closing Date, including to obtain, as may be required by the terms of such Purchased Contract, consents or approvals to the assignment of such Purchased Contract; provided that the Vendor shall not be required to pay any amount or fee whatsoever in connection with its efforts to obtain such consent or approval, which shall be for the sole account of the Purchaser. Notwithstanding the date of assignment of the Purchased Contract, during the period between the Effective Time and the Closing Date:
 - (i) the Purchaser shall oversee all of the Vendor's operations under the Purchased Contract, and shall be responsible and liable for, and shall indemnify and hold harmless Vendor and its Representatives from and against, any Losses and Liabilities arising from such operations provided, however, that any amounts payable by the Purchaser on account of such indemnity shall be reduced on a dollar for dollar basis to the extent that such Losses and Liabilities are actually reimbursed to the Vendor by insurance carried by the Vendor or by an indemnity from Petrohuasteca Oil Services, S.A.P.I. de C.V. pursuant to the Purchased Contract;
 - (ii) the Purchaser hereby ratifies all actions taken by Vendor or refrained to be taken by Vendor while the Purchaser is overseeing Vendor's operations under the Purchased Contract pursuant to section 6.1(a)(i);
 - (iii) the Purchaser shall pay all Direct Costs and Overhead Costs; and
 - (iv) subject to Article 4, the Purchaser shall be entitled to receive any benefit of the Purchased Contract which would otherwise accrue to the Vendor.

6.2 Maintenance of Purchased Contract Until Closing

Subject to Section 6.1, until Closing the Vendor shall:

- (a) conduct the Vendor's business in the ordinary and usual course in compliance with Applicable Laws and with regard to the Vendor's financial situation;
- (b) keep the Purchaser informed of material developments that may impact the Purchased Contract or the Transaction;
- (c) perform and comply in all material respects with the covenants contained in the Purchased Contract to be performed or complied with by the Vendor prior to Closing but subject to the oversight of the Purchaser pursuant to Section 6.1; and
- (d) not, without Purchaser's prior consent, not to be unreasonably withheld or delayed, make any commitment for any individual Direct Cost which is in excess of \$10,000 except in the case of an emergency, to protect the environment, protect life, safety or property or to the extent required by the order or direction of a Governmental Authority.

6.3 Court Approval

The Vendor shall prepare all materials, and shall promptly apply to the Court for, and use its commercially reasonable efforts to obtain, the Court Approval as soon as reasonably practicable following the date hereof. The Purchaser, at its own expense, shall promptly provide to the Vendor all such information and assistance within the Purchaser's power as the Vendor may reasonably request to obtain the Court Approval, including such information as may be required to reasonably evaluate the Purchaser's financial ability to perform its obligations hereunder. The application for the Court Approval may be adjourned or rescheduled by the Vendor or its Representatives upon notice to the Purchaser.

ARTICLE 7 CONDITIONS

7.1 Mutual Conditions

The respective obligations of the Parties to complete the Transaction are subject to the following conditions being fulfilled or performed as at or prior to the Time of Closing:

- (a) the Alberta Court has granted the Court Approval;
- (b) no injunction or other order has been issued to enjoin, restrict or prohibit the Transaction;
- (c) the Closing is not otherwise prohibited by Applicable Law; and
- (d) Petrohuasteca Oil Services, S.A.P.I. de C.V. has entered into the Assignment Agreement.

The foregoing conditions are for the mutual benefit of the Vendor and the Purchaser and may be asserted by the Vendor or the Purchaser regardless of the circumstances and may be waived only with the Agreement of both the Vendor and the Purchaser.

7.2 Conditions for the Benefit of the Purchaser

The obligation of the Purchaser to complete the Transaction is subject to the following condition being fulfilled or performed as at or prior to the Time of Closing:

- (a) all representations and warranties of the Vendor contained in this Agreement shall be true and correct in all material respects as at the Time of Closing with the same force and effect as if made at and as of such time;
- (b) the Vendor has complied with and performed, in all material respects, all of its covenants and obligations contained in this Agreement; and
- (c) the Vendor has not lost its ability to assign the Purchased Contract due to an order or otherwise;

The foregoing conditions are for the exclusive benefit of the Purchaser and may be waived by it in its sole discretion, in whole or in part, at any time and from time to time without prejudice to any other rights which the Purchaser may have. If the said condition has not been complied with or waived by the Purchaser at or before the Time of Closing, the Purchaser may terminate this Agreement by written notice to the Vendor.

7.3 Conditions for the Benefit of the Vendor

The obligation of the Vendor to complete the Transaction is subject to the following conditions being fulfilled or performed as at or prior to the Time of Closing:

- (a) all representations and warranties of the Purchaser contained in this Agreement shall be true and correct in all material respects as at the Time of Closing with the same force and effect as if made at and as of such time;
- (b) the Purchaser has complied with and performed in all material respects all of its covenants and obligations contained in this Agreement;
- (c) the Vendor has not lost its ability to assign the Purchased Contract due to an order or otherwise; and
- (d) if the Purchased Contract is being used in connection with a specific drilling rig and equipment at the Time of Closing, then the Vendor is satisfied, in its sole discretion, that such drilling rig and equipment will be concurrently and correspondingly assigned to a person has authorized the use of such drilling rig and equipment in connection with the Purchased Contract.

The foregoing conditions are for the exclusive benefit of the Vendor and may be waived by it in its sole discretion, in whole or in part, at any time and from time to time without prejudice to any other rights which the Vendor may have. If any of the said conditions have not been complied with or waived by the Vendor at or before the Time of Closing, the Vendor may terminate this Agreement by written notice to the Purchaser.

7.4 Satisfaction of Conditions

Each of the Parties shall proceed diligently and in good faith and use all commercially reasonable efforts to fulfill and assist in the fulfillment of the conditions set forth in Sections 7.1, 7.2 and 7.3. In addition, each of the Parties agrees not to take any action that could reasonably be expected to preclude, delay or have an adverse effect on the Transaction or would render, or may reasonably be expected to render, any representation or warranty made by it in this Agreement untrue in any material respect.

ARTICLE 8 CLOSING

8.1 Closing Date and Place of Closing

Subject to the conditions set out in this Agreement, the Transaction shall close and be completed on the Closing Date. The completion of the Transaction shall take place at the Time of Closing at the offices of the Receiver's Solicitors, or at such other time or such other location as the Parties may agree in writing.

8.2 Deliveries on Closing by the Vendor

The Vendor shall deliver to the Purchaser at the Time of Closing:

- (a) an Alberta Court certified copy of the Court Approval;
- (b) the Assignment Agreement substantially in the form attached as Schedule 8.2(b), duly executed by the Vendor;
- (c) a certified copy of a shareholder resolution of the shareholders of the Vendor with respect to authorizing this Agreement and the performance of the obligations hereunder;

- (d) all of the Books and Records in the Receiver's possession, provided that the Receiver may retain any copies of the Books and Records that it is required to keep under Applicable Law; and
- (e) such other documents as are required by this Agreement.

8.3 Deliveries on Closing by the Purchaser

The Purchaser shall deliver to the Vendor at the Time of Closing:

- (a) the Purchase Price payable in readily available funds to the Vendor in accordance with Section 3.2;
- (b) the Assignment Agreement substantially in the form attached as Schedule 8.2(b), duly executed by the Purchaser; and
- (c) such other documents as are required by this Agreement.

8.4 Risk and Insurance

- (a) If Closing occurs, the risk of loss of the Purchased Contract is transferred to the Purchaser as of the Effective Time.
- (b) Any insurance, including liability and other insurance maintained by the Vendor shall not be transferred as of the Effective Time, but shall remain the responsibility of the Vendor until the Time of Closing. The Purchaser shall be responsible for placing its own liability and other insurance coverage with respect to the Purchased Contract in respect of the period from and after the Time of Closing.

ARTICLE 9 INDEMNITY

9.1 Indemnification Given by Purchaser

If Closing occurs, the Purchaser shall be liable to the Vendor for, and as a separate covenant, indemnify the Vendor and its Representatives from and against all Losses and Liabilities suffered, sustained, paid or incurred by any of them to the extent arising or accruing on or after the Effective Time and which relate to the Purchased Contract, including all Losses and Liabilities attributable to the operations performed pursuant to the Purchased Contract and all Losses and Liabilities for acts or omissions taken by the Vendor upon the direction of the Purchaser pursuant to Section 6.1. The Parties acknowledge and agree that any amounts payable by the Purchaser on account of the indemnity obligation set forth in this Section 9.1 for Losses and Liabilities attributable to operations performed pursuant to the Purchased Contract between the Effective Time and the Closing Date shall be reduced on a dollar for dollar basis to the extent that such Losses and Liabilities are actually reimbursed to the Vendor by insurance carried by the Vendor or by an indemnity from Petrohuasteca Oil Services, S.A.P.I. de C.V. pursuant to the Purchased Contract. The Purchaser's indemnity obligation set forth in this Section 9.1 shall survive the Closing Date and expire after the six month period immediately following the Closing Date.

9.2 Third Party Claims

- (a) If the Vendor receives notice of the commencement or assertion of any Third Party Claim for which the Purchaser is liable pursuant to this Agreement, the Vendor shall give the Purchaser reasonably prompt notice thereof, but in any event no later than 14 days after receipt of such notice of such Third Party Claim. Such notice to the Purchaser shall describe the Third Party Claim in reasonable detail and shall indicate, if reasonably practicable, the estimated amount (or the method of computation of the amount) of the Losses and Liabilities that has been or may be

sustained by the Vendor, and a reference to the provisions of this Agreement upon which such claim is based.

- (b) The Purchaser may participate in the defence of any Third Party Claim by giving notice to that effect to the Vendor not later than 14 days after receiving notice of that Third Party Claim (the “**Notice Period**”) so long as: (i) the Purchaser first acknowledges to the Vendor, in writing, liability to the Vendor under this Agreement with respect to such Third Party Claim and that the outcome of such Third Party Claim does not alter or diminish the Purchaser’s obligation to indemnify the Vendor pursuant to this Agreement, subject to the Purchaser’s right to contest in good faith the Third Party Claim; (ii) the Purchaser has the financial resources to defend against the Third Party Claim and fulfill any indemnification obligations and has provided the Vendor with evidence thereof; (iii) the Third Party Claim involves monetary damages; and (iv) the Purchaser participates in the defence of the Third Party Claim actively and diligently. The Purchaser’s right to do so shall be subject to the rights of any insurer or other third party who has potential liability in respect of that Third Party Claim. The Purchaser shall pay all of its own expenses of participating in or assuming such defence. The Vendor shall cooperate in good faith in the defence of each Third Party Claim and may participate in such defence assisted by counsel of its own choice at its own expense.
- (c) If the Vendor has not received notice within the Notice Period that the Purchaser has elected to participate in the defence of such Third Party Claim, or if the Purchaser has given such notice but thereafter fails or is unable to participate in the defence of such Third Party Claim actively and diligently, the Vendor may, at its option, elect to settle or compromise the Third Party Claim on terms of its choosing, or assume such defence assisted by counsel of its own choosing, and the Purchaser shall be liable for all reasonable costs and expenses paid or incurred in connection therewith and any Losses and Liabilities suffered or incurred by the Vendor with respect to such Third Party Claim.

9.3 Failure to Give Timely Notice

A failure to give timely notice as provided in this Article 9 shall not affect the rights or obligations of any Party except and only to the extent that, as a result of such failure, any Party which was entitled to receive such notice was deprived of its right to recover any payment under any applicable insurance coverage or was otherwise prejudiced as a result of such failure.

9.4 No Merger

There shall not be any merger of any liability or indemnity hereunder in any assignment, conveyance, transfer or document delivered pursuant hereto notwithstanding any rule of law, equity or statute to the contrary and all such rules are hereby waived.

ARTICLE 10 TERMINATION

10.1 Grounds for Termination

This Agreement may be terminated at any time prior to Closing by either the Vendor or the Purchaser (as applicable) if the conditions for the benefit of the Vendor or Purchaser (as applicable) pursuant to the provisions of Article 7 are not satisfied or waived by or on the Closing Date.

10.2 Effect of Termination

Notwithstanding any termination of this Agreement by the Vendor or the Purchaser as permitted under Section 10.1, the provisions of Sections 6.1(a), 11.1, 11.3, 11.4, 11.10 and 11.13 shall remain in full force and effect following any such permitted termination.

ARTICLE 11 MISCELLANEOUS

11.1 Public Announcements

If a Party intends to issue a press release or other public disclosure of this Agreement, the terms hereof or the Transaction, the disclosing Party shall provide the other Party with an advance copy of any such press release or public disclosure with sufficient time to enable the other Party to review such press release or other public disclosure and provide any comments. The disclosing Party shall not issue such press release or other public disclosure without the prior written consent of the other Party, such consent not to be unreasonably withheld.

11.2 Obligations to Survive

The obligations, covenants, representations and warranties (if any) of the Parties set out in this Agreement shall survive Closing, shall remain in full force and effect, shall not merge as a result of Closing and shall be binding on the Parties thereafter.

11.3 Governing Law

This Agreement shall be governed by and construed in accordance with the laws of the Province of Alberta and the federal laws applicable therein (excluding any conflict of law rule or principle of such laws that might refer such interpretation or enforcement to the laws of another jurisdiction). Each Party irrevocably submits to the exclusive jurisdiction of the Alberta Court with respect to any matter arising hereunder or relating hereto.

11.4 Damages

Under no circumstance shall any of the Parties, their Representatives or their respective directors, officers, employees or agents be liable for any punitive, exemplary, consequential or indirect damages (including for greater certainty, any loss of profits) that may be alleged to result, in connection with, arising out of, or relating to this Agreement or the Transaction.

11.5 Further Assurances

Each of the Parties hereto from and after the date hereof shall, from time to time, and at the request and expense of the Party requesting the same, do all such further acts and things and execute and deliver such further instruments, documents, matters, papers and assurances as may be reasonably requested to complete the Transaction and for more effectually carrying out the true intent and meaning of this Agreement.

11.6 No Assignment by Purchaser

The Purchaser shall not, without the Vendor's prior written consent, assign any right or interest in this Agreement, which consent may be withheld in the Vendor's sole and absolute discretion, except that the Purchaser shall have the right to assign any or all of its rights, interests or obligations hereunder to one or more Affiliates of the Purchaser, provided that such Affiliate agrees to be bound by the terms of this Agreement and provided that the Purchaser shall remain liable hereunder for any breach of the terms of this Agreement by such Affiliate.

11.7 Waiver

No failure on the part of any Party in exercising any right or remedy hereunder shall operate as a waiver thereof, nor shall any single or partial exercise of any such right or remedy preclude any other or further exercise thereof or the exercise of any right or remedy in law or in equity or by statute or otherwise conferred. No waiver by any Party of any breach (whether actual or anticipated) of any of the terms, conditions, representations or warranties contained herein shall take effect or be binding upon that Party unless the waiver is expressed in writing under the authority of that Party. Any waiver so given shall extend only to the particular breach so waived and shall not limit or affect any rights with respect to any other or future breach.

11.8 Amendment

This Agreement shall not be varied in its terms or amended by oral agreement or by representations or otherwise other than by an instrument in writing dated subsequent to the date hereof, executed by a duly authorized representative of each Party.

11.9 Time of the Essence

Time is of the essence in this Agreement.

11.10 Costs and Expenses

Each Party shall be responsible for all costs and expenses (including the fees and disbursements of legal counsel, bankers, investment bankers, accountants, brokers and other advisors) incurred by it in connection with this Agreement and the Transaction. No Party shall be responsible for the costs and expenses of the other Party.

11.11 Notices

Any notice, demand or other communication required or permitted to be given to any Party shall be given in writing and addressed as follows:

- (a) in the case of the Vendor or the Receiver:

Ernst & Young Inc.
1000, 440 2nd Avenue S.W.
Calgary, AB Canada T2P 5E9
Attention: Neil Narfason
Fax: 403.206.5075
Email: neil.narfason@ca.ey.com
With a copy to the

And with a copy to the Receiver's Solicitors:

Borden Ladner Gervais LLP
1900, 520 – 3rd Ave S W
Calgary, AB, Canada T2P 0R3
Attention: Patrick T. McCarthy, Q.C./Jessica L. Cameron
Fax: 403.266.1395
Email: pmccarthy@blg.com / jcameron@blg.com

- (b) In the case of the Purchaser:

Simmons Edeco Inc.
Suite 500 Mount Royal Place
1414 – 8 Avenue SW
Calgary, AB, Canada T2R 1J6
Attention: Chris Reimchen
Fax: 403.245.5156
Email: creimchen@simmonededeco.com

And with a copy to the Purchaser's Solicitors:

Burnet Duckworth & Palmer LLP
Suite 2400, 525 – 8 Avenue SW
Calgary, AB, Canada T2P 1G1
Attention: Carole Hunter
Fax: 403.260.0332
Email: chunter@bdplaw.com

Any such notice, if personally delivered, shall be deemed to have been validly and effectively given and received on the Business Day of such delivery and if sent by facsimile or other electronic communication with confirmation of transmission, shall be deemed to have been validly and effectively given and received on the Business Day next following the day it was received.

11.12 Enurement

This Agreement is binding upon, and enures to the benefit of, the Parties and their respective successors and permitted assigns.

11.13 Third Party Beneficiaries

Each Party intends that this Agreement shall not benefit or create any right or cause of action in or on behalf of any person other than the Parties and their successors and permitted assigns, and no person, other than the Parties and their successors and permitted assigns shall be entitled to rely on the provisions hereof in any action, suit, proceeding, hearing or other forum.

11.14 Severability

If any provision of this Agreement or any document delivered in connection with this Agreement is partially or completely invalid or unenforceable, the invalidity or unenforceability of that provision shall not affect the validity or enforceability of any other provision of this Agreement, all of which shall be construed and enforced as if that invalid or unenforceable provision were omitted. The invalidity or unenforceability of any provision in one jurisdiction shall not affect such provision validity or enforceability in any other jurisdiction.

11.15 Entire Agreement

This Agreement, together with the Assignment Agreement, constitutes the entire agreement between the Parties with respect to the subject matter hereof and cancels and supersedes all prior agreements, understandings, negotiations and discussions, whether oral or written, between the Parties with respect to the subject matter hereof. There are no conditions, covenants, agreements, representations, warranties or other provisions, whether oral or written, express or implied, collateral, statutory or otherwise, relating to the subject matter hereof other than those contained in this Agreement and the Assignment Agreement. If there is a conflict between this Agreement and the Assignment Agreement, such conflict shall be resolved in favour of this Agreement and the Parties agree that they shall submit to the exclusive jurisdiction of the Alberta Court with respect to any matter arising out of this Agreement and the Assignment Agreement.

11.16 Counterparts

This Agreement may be executed in any number of counterparts, each of which shall be deemed to be an original and all of which shall constitute one and the same agreement. Transmission by facsimile or other electronic means of an executed counterpart of this Agreement shall be deemed to constitute due and sufficient delivery of such counterpart.

[Remainder of page is intentionally blank]

IN WITNESS WHEREOF this Agreement has been properly executed by the Parties as of the date first above written,

**CALMENA ENERGY SERVICES DE MEXICO S. DE
R.L. DE C.V.**

Per: _____

Name: _____

Title: _____

SIMMONS EDECO MEXICO S.A. DE C.V.

Per: _____

Name: *Victor Reda*

Title: *Director*

Receipt acknowledged as of the date first above written.

**ERNST & YOUNG INC., in its capacity as receiver of
1414995 Alberta Ltd. and not in its corporate or
personal capacity**

Per: _____

Name: _____

Title: _____

IN WITNESS WHEREOF this Agreement has been properly executed by the Parties as of the date first above written.

CALMENA ENERGY SERVICES DE MEXICO S. DE R.L. DE C.V.

Per: _____

Name:

Title:

SIMMONS EDECO MEXICO S.A. DE C.V.

Per: _____

Name:

Title:

Receipt acknowledged as of the date first above written.

ERNST & YOUNG INC., in its capacity as receiver of 1414995 Alberta Ltd. and not in its corporate or personal capacity

Per: _____

Name: *Peter Chisholm*

Title: *Vice President*

IN WITNESS WHEREOF this Agreement has been properly executed by the Parties as of the date first above written.

CALMENA ENERGY SERVICES DE MEXICO S. DE R.L. DE C.V.

Per:



Name: Kevin Denis Wailgren

Title: Director

SIMMONS EDECO MEXICO S.A. DE C.V.

Per:

Name:

Title:

Receipt acknowledged as of the date first above written.

ERNST & YOUNG INC., in its capacity as receiver of 1414995 Alberta Ltd. and not in its corporate or personal capacity

Per:

Name:

Title:

SCHEDULE 8.2(B)
FORM OF ASSIGNMENT AGREEMENT

ASSIGNMENT AGREEMENT EXECUTED BETWEEN CALMENA SERVICES DE MEXICO, S. DE R.L. DE C.V., REPRESENTED BY DANIEL SALAZAR MARTÍNEZ, AS ASSIGNOR AND, SIMMONS EDECO MEXICO S.A. DE C.V., REPRESENTED BY _____, AS ASSIGNEE, AND PETROHUASTECA OIL SERVICES, S.A.P.I. DE C.V., REPRESENTED BY _____, AS PETROHUASTECA WHO EXPRESSES ITS CONSENT WITH THE ASSIGNMENT AGREEMENT, AS PETROHUASTECA, UNDER THE FOLLOWING DECLARATIONS AND CLAUSES.

DECLARATIONS

1. THE ASSIGNOR STATES THAT:

- A) It is a variable capital limited liability company, duly constituted under Mexican laws, under policy number 217, dated October 11, 2010, granted before Fernando Abraham Barrita Chagoya, Commercial Notary Public number 8 in Mexico City, filed in the Public Commerce Registry in Mexico City under the commercial file number 425457-1 dated October 25, 2010, and its tax registry is CES101011AZ3.
- B) Its legal representative has sufficient power and authority to bind the Assignor, Calmena SERVICES DE MEXICO, S. DE R.L. DE C.V. to the terms and conditions of this assignment agreement. Such power and authority have not been revoked or limited in any way as its stated under public document number 30,281 dated April 8, 2011, signed before Francisco Talavera Autrique, Notary Public number 221 in Mexico City.
- C) It is its wish to transfer to the Assignee all of the Assignor's obligations and rights that it has on the Master Drilling Services Contract with Petrohuasteca, dated August 31, 2015, hereinafter designated the Master Drilling Services Contract, under this assignment agreement.

2. THE ASSIGNEE DECLARES THAT:

- A) It is a company variable capital limited liability company, duly constituted under Mexican laws, under public instrument number _____, dated _____, granted before _____, Notary Public number _____ in _____, filed in the Public Commerce Registry in _____ under the commercial file number _____ dated _____, and its tax registry is _____.
- B) Its legal representative has sufficient power and authority to bind the Assignee, Simmons Edeco Mexico S.A. De C.V. to the terms and conditions of this assignment agreement. Such power and authority have not been revoked or limited in any way as it is stated under public instrument number _____ dated _____, signed before _____, Notary Public number _____ in _____.

- D) It is its wish to accept the assignment from the Assignor and assume all of the obligations and rights of the Assignor under the Master Drilling Services Contract, executed with Petrohuasteca, dated August 31, 2015, under this assignment agreement.

3. PETROHUASTECA DECLARES THAT:

- A) It is a promoting investment company with variable capital duly constituted under the United Mexican States law, as stated under public document number 60,291 dated June 21, 2013 by Gerardo González-Meza Hoffmann Notary Public number 79 in Mexico City, filed in the Commercial Public Registry in Mexico City under the electronic commercial file number 497478-1 dated July 11, 2013, and its tax registry is POS130627ME3.
- B) Its legal representative has sufficient power and authority to execute this assignment agreement on behalf of Petrohuasteca and to bind it, to the terms and conditions of this assignment agreement. Such power and authority have not been revoked or limited in any way as its stated under public document described in the previous section A).
- C) It is its wish to agree to the execution of this agreement and the assignment of the Master Drilling Services Contract subject matter hereunder.
- D) Has the legal capacity to execute this agreement.
- E) It is its wish that the Assignee acquires from the Assignor all of the rights and obligations of the Master Drilling Services Contract, under this agreement.

4. BOTH PARTIES AND PETROHUASTECA STATE, BY THEIR LEGAL REPRESENTATIVE, THAT:

- A) It is its wish to execute this Agreement fulfilling with the statements and terms and conditions provided for under this agreement.
- B) They acknowledge the legal capacity and personality of each other for all legal effects that may be required by applicable law.
- C) They understand the content and scope of this agreement, and expressly state that it is their will to be bound under hereunder and that there has not been any fraud, bad faith, defect, error or any violence in their execution.

Based upon the above, in consideration of the statements made, pacts and agreements of the Parties and Petrohuasteca in this assignment agreement, the Parties agree to the following:

PROVISIONS

FIRST.- The Assignor assigns and conveys to the Assignee, all of the Assignor's obligations and rights that by fact and by law arise under or are related to the Master Drilling Services Contract.

SECOND.- In consideration of the assignment of subject matter of this agreement, the Parties agree to the price of USD \$1.00 that the Assignor receives at the signing of this agreement, giving the Assignee the broadest receipt there is under applicable law.

THIRD.- Any taxes or tax obligations regarding the execution of this contract must be apportioned between the Assignor and the Assignee.

FOURTH.- Regardless of the date of execution of this agreement, on and from September 1, 2015, Simmons Edeco Mexico S.A. De C.V. recognizes and undertakes the existence and enforcement of, and assumes and agrees to be bound by and to perform, each and all of the obligations, liabilities and claims of the Assignor under the Master Drilling Services Contract.

FIFTH.- Regardless of the date of execution of this agreement, on and from September 1, 2015, Simmons Edeco Mexico S.A. De C.V. recognizes, undertakes and assumes each and every one of the rights of the Assignor under the Master Drilling Services Contract.

SIXTH.- Petrohuasteca grants to the Assignor the broadest relief applicable in law, waiving any legal action or right regarding any obligation or liability under the Master Drilling Services Contract prior or after the assignment of the Master Drilling Services Contract and Petrohuasteca releases and discharges the Assignor from any obligation or liability under the Master Drilling Services Contract.

SEVENTH.- Simmons grants the Assignor the broadest relief applicable in law, waiving any legal action or right regarding any obligation or responsibility under the Master Drilling Services Contract prior or after the assignment of the Master Drilling Services Contract and Simmons releases and discharges the Assignor from any obligation or liability under the Master Drilling Services Contract.

EIGHTH.- Petrohuasteca grants its express consent in the execution of this agreement and of the assignment hereunder in favor of the Assignee regarding the assignment of the rights and obligations of the Assignor under the Master Drilling Services Contract to the Assignee.

NINTH.- The Assignor grants Petrohuasteca the broadest relief applicable in law, waiving any legal action or right regarding any obligation or liability under the Master Drilling Services Contract prior or after the assignment of the Master Drilling Services

Contract and the Assignor releases and discharges Petrohuasteca from any obligation or liability under the Master Drilling Services Contract.

TENTH.- For the fulfilment, interpretation and enforcement of this agreement, the Parties and Petrohuasteca submit to the jurisdiction of the competent Courts in Mexico City, Mexico, waiving any other jurisdiction regarding their current or future domicile or by any other reason.

ELEVENTH.- The Parties and Petrohuasteca recognize that in the execution of this agreement that there has not been any error, fraud or bad faith that may vitiate their consent, under which the Parties and Petrohuasteca externalize their will freely and spontaneously.

In witness whereof, the Parties and Petrohuasteca sign this agreement in _____, o
____ September 2015.

THE ASSIGNOR

CALMENA ENERGY SERVICES DE MÉXICO, S. DE R.L. DE C.V.

By: _____

Name: **DANIEL SALAZAR MARTINEZ**

Position: Legal Representative

THE ASSIGNEE

SIMMONS EDECO MEXICO S.A. DE C.V.

By: _____

Name:

Position:

PETROHUASTECA OIL SERVICES, S.A.P.I. DE C.V.

By: _____

Name: **MANUEL CERVANTES MOSQUEDA**

Position: Legal Representative

CONVENIO DE CESIÓN DE DERECHOS QUE CELEBRAN POR UNA PARTE, CALMENA SERVICES DE MEXICO, S. DE R.L. DE C.V., REPRESENTADA EN ESTE ACTO POR EL SR. DANIEL SALAZAR MARTÍNEZ, COMO CEDENTE Y, POR LA OTRA PARTE, SIMMONS EDECO MEXICO S.A. DE C.V., REPRESENTADA EN ESTE ACTO POR EL SR. _____, COMO CESIONARIO, Y PETROHUASTECA OIL SERVICES, S.A.P.I. DE C.V., REPRESENTADA EN ESTE ACTO POR _____, COMO PETROHUASTECA, QUIEN COMPARECE A MANIFESTAR SU CONSENTIMIENTO CON EL PRESENTE CONVENIO, A QUIEN SE DESIGNARA PETROHUASTECA, DE CONFORMIDAD CON LAS SIGUIENTES DECLARACIONES Y CLÁUSULAS.

DECLARACIONES

1. DECLARA LA CEDENTE QUE:

- A) Es una sociedad de responsabilidad limitada de capital variable, debidamente constituida bajo las leyes de México, como consta en la póliza número 217, de fecha 11 de octubre de 2010, otorgada ante la fe del Lic. Fernando Abraham Barrita Chagoya, corredor público número 8 del Distrito Federal, inscrita en el Registro Público de Comercio del Distrito Federal bajo el folio mercantil 425457-1, de fecha 25 de octubre de 2010, y que su RFC es CES101011AZ3.
- B) Su apoderado cuenta con facultades suficientes para obligar a la Cedente, Calmena SERVICES DE MEXICO, S. DE R.L. DE C.V. en los términos de este Convenio, mismas que no le han sido revocadas o limitadas en forma alguna, como se desprende de la escritura pública número 30,281, de fecha 8 de abril de 2011, otorgada ante la fe del Lic. Francisco Talavera Autrique, notario público número 221 del Distrito Federal.
- C) Que tiene el deseo de transmitir a la Cesionaria todos los derechos y obligaciones que tiene sobre el Contrato Maestro de Servicios de Perforación, celebrado con Petrohuasteca, de fecha 31 de agosto de 2015, en lo sucesivo designado el Contrato Maestro de Servicios de Perforación, conforme al presente Convenio.

2. DECLARA LA CESIONARIA QUE:

- A) Es una sociedad de _____, debidamente constituida bajo las leyes de Mexico, como consta en la póliza número _____, de fecha _____ de _____ de _____, otorgada ante la fe del Lic. _____, corredor público número _____ de _____, inscrita en el Registro Público de Comercio de _____ bajo el folio mercantil _____ de fecha _____ de _____ de _____, y que su RFC es _____.
- B) Su apoderado cuenta con facultades suficientes para obligar a la Cesionaria, Simmons Edeco Mexico S.A. De C.V. en los términos de este Convenio, mismas que no le han sido revocadas o limitadas en forma alguna, como se desprende de la escritura pública número _____, de fecha _____ de XXXX de XXXX, otorgada ante la fe del Lic. _____, _____, notario público número _____ de _____.

- C) Que tiene el deseo de aceptar la cesión de la Cedente y asumir todos los derechos y obligaciones que la Cedente tiene sobre el Contrato Maestro de Servicios de Perforación, celebrado con Petrohuasteca, el 31 de agosto de 2015, conforme al presente Convenio.

3. DECLARA PETROHUASTECA QUE:

- A) Es una sociedad anónima promotora de inversión de capital variable debidamente constituida bajo las leyes de los Estados Unidos Mexicanos ("México"), como consta en la escritura pública número 60,291 de fecha 27 de junio del año 2013, otorgada ante la fe del Lic. Gerardo González-Meza Hoffmann, titular de la notaría pública número 79 del Distrito Federal, inscrita en el Registro Público del Comercio del Distrito Federal bajo el folio mercantil electrónico No. 497478-1, el 11 de julio de 2013, y que su clave del Registro Federal de Contribuyentes ("RFC") es: POS130627ME3.
- B) Su representante legal cuenta con facultades suficientes para celebrar el presente convenio a nombre y por cuenta de su representada conforme a los términos del presente Convenio, tal y como se desprende de la escritura pública mencionada en la declaración A) anterior, facultades que no le han sido modificadas, limitadas o revocadas en forma alguna a la fecha de celebración de este Convenio.
- C) Que es su deseo otorgar su consentimiento en la celebración del presente Convenio y en la cesión materia del mismo.
- D) Tiene capacidad legal para la celebración del presente Convenio.
- E) Que tiene el deseo de adquirir de la cedente todos los derechos que tiene sobre el Contrato Maestro de Servicios de Perforación, conforme al presente Convenio.

4. AMBAS PARTES Y PETROHUASTECA DECLARAN, POR CONDUCTO DE SU RESPECTIVO REPRESENTANTE LEGAL, QUE:

- A) Es su voluntad celebrar el presente Convenio sujetándose a las declaraciones y cláusulas que de común acuerdo establecen.
- B) Se reconocen expresamente la capacidad y personalidad legal con la que comparecen en este acto, para todos los efectos legales a que haya lugar.
- C) Conocen el contenido y los alcances de este Convenio, y expresamente manifiestan que es su voluntad obligarse bajo los términos del mismo, no habiendo mediado dolo, mala fe, vicio, error o violencia alguna en su celebración.

En virtud de lo anterior, en consideración a las declaraciones mutuas, pactos y acuerdos contenidos en el presente, las partes convienen las siguientes:

CLÁUSULAS

PRIMERA.- La Cedente cede y transmite a la Cesionaria, todos los derechos y obligaciones de la Cedente que de hecho y por derecho surjan o estén en el Contrato Maestro de Servicios de Perforación.

SEGUNDA.- Respecto de la cesión materia de este Convenio, las partes acuerdan el precio de \$1.00 E.U.A que la cedente recibe de conformidad a la firma del presente Convenio, otorgando al cesionario bajo el presente el recibo más amplio que en derecho proceda.

TERCERA.- Cualquier impuesto u obligación fiscal que deba pagarse con motivo del presente Convenio de cesión, será prorrateada entre el cedente y el cesionario.

CUARTA.- Independientemente de la fecha de celebración del presente convenio, en y desde el 1 de septiembre de 2015, Simmons Edeco Mexico S.A. De C.V. reconoce y asume la existencia y exigibilidad de, y asume y acepta que quedará vinculado por y para llevar a cabo todas y cada una de las obligaciones, responsabilidades y reclamaciones de la cedente bajo el Contrato Maestro de Servicios de Perforación.

QUINTA.- Independientemente de la fecha de celebración del presente Convenio, en y desde el 1 de septiembre de 2015, Simmons Edeco Mexico S.A. De C.V. reconoce, se compromete y asume todas y cada uno de los derechos de la cedente bajo el Contrato Maestro de Servicios de Perforación.

SEXTA.- Petrohuasteca otorga a la Cedente el finiquito más amplio que en derecho proceda, renunciando a cualesquier acción o derecho relacionado con cualquier obligación o responsabilidad bajo el Contrato Maestro de Servicios de Perforación anteriores y posteriores al Contrato Maestro de Servicios de Perforación y Petrohuasteca libera a la Cedente de cualquier obligación o responsabilidad bajo el Contrato Maestro de Servicios de Perforación.

SÉPTIMA.- Simmons otorga a la Cedente el finiquito más amplio que en derecho proceda, renunciando a cualesquier acción o derecho relacionado con cualquier obligación o responsabilidad bajo el Contrato Maestro de Servicios de Perforación anteriores y posteriores a la cesión materia del Contrato Maestro de Servicios de Perforación y Simmons libera a la Cedente de cualquier obligación o responsabilidad bajo el Contrato Maestro de Servicios de Perforación.

OCTAVA.- Petrohuasteca otorga su consentimiento expreso en la celebración del presente Convenio y de la cesión a favor del cesionario respecto de la cesión de los derechos y obligaciones de la cedente bajo el Contrato Maestro de Servicios de Perforación al cesionario.

NOVENA.- La Cedente otorga a Petrohuasteca el finiquito más amplio que en derecho proceda, renunciando a cualesquier acción o derecho relacionado con cualquier obligación o responsabilidad bajo el Contrato Maestro de Servicios de Perforación anteriores y posteriores a la cesión materia del Contrato Maestro de Servicios de Perforación y el cedente libera a Petrohuasteca de cualquier obligación o responsabilidad bajo el Contrato Maestro de Servicios de Perforación.

DÉCIMA.- Para todo lo relativo a la interpretación y cumplimiento del presente Convenio, las partes y Petrohuasteca se someten a la jurisdicción de los tribunales competentes en la Ciudad de México, Distrito Federal, renunciando a cualquier otro fuero por razón de su domicilio presente o futuro o cualquier otra razón.

DÉCIMA PRIMERA.- Las Partes y Petrohuasteca reconocen que en la celebración del presente Convenio no ha habido error, dolo o mala fe que vicien su consentimiento, en virtud de que externan su voluntad de manera libre y espontánea.

En testimonio de lo cual, las partes firman el presente convenio en la ciudad de xxxxxxxxxxxx el día xx de septiembre de 2015.

El Cedente

CALMENA ENERGY SERVICES DE MÉXICO, S. DE R.L. DE C.V.

Por: _____

Nombre: **DANIEL SALAZAR MARTINEZ**

Cargo: Representante Legal

El Cesionario

SIMMONS EDECO MEXICO S.A. DE C.V.

Por: _____

Nombre:

Cargo:

PETROHUASTECA, S.A.P.I. DE C.V.

Por _____

Nombre: **MANUEL CERVANTES MOSQUEDA**

Cargo: Representante Legal

H

BW Services Luxembourg

Société à responsabilité limitée

Share Capital: USD 40.000

Registered office: 15, rue Edward Steichen, L-2540 Luxembourg

Grand-Duchy of Luxembourg

R.C.S. Luxembourg: B 173.595

(the "**Company**")

**WRITTEN RESOLUTIONS OF THE SOLE
SHAREHOLDER OF THE COMPANY MADE
EFFECTIVE SEPTEMBER 23, 2015.**

AGENDA:

- Approval of Asset Sales and Asset Sale Agreements.

SALE OF ASSETS TO SIMMONS EDECO INC.

WHEREAS:

- A. Pursuant to the *Bankruptcy and Insolvency Act*, R.S.C. 1985, c. B-3, as amended (the "**BIA**"), the Alberta Court of Queen's Bench (the "**Alberta Court**") granted a receivership order with respect to all of the current and future property and undertakings of Calmena Energy Services Inc., Calmena Energy Holdings Ltd., 1414995 Alberta Ltd., Calmena Energy Services Operating Limited Partnership, Calmena Energy Services (USA) Corp., Calmena Drilling Services LLC, and Calmena Drilling Services US LP (the "**Debtors**") on January 20, 2015, as amended on February 9, 2015 (the "**Receivership Order**") appointing Ernst & Young Inc. (the "**Receiver**") as receiver and manager of the Debtors;
- B. The Company is a wholly owned subsidiary of Calmena Energy Holdings Ltd., which is in turn a wholly owned subsidiary of the parent company, Calmena Energy Services Inc. Pursuant to the Receivership Order, the Receiver controls the shares of the Company;
- C. Through the Receiver, the Company conducted a sales and solicitation process with respect to its operations in Mexico, through which the Receiver received and reviewed several bids for the purchase of certain of the Company's assets;
- D. The Company intends to enter into one or more Asset Sale Agreements to be dated in or around September 23, 2015 (the "**Asset Sale Agreements**") in respect of selling a drilling rig and related assets to Simmons Edeco Inc. or one or more of its affiliates for aggregate consideration of USD \$3,500,000, subject to the adjustments therein (the "**Asset Sales**");
- E. The sole shareholder of the Company has been provided with a copy of the Asset Sale Agreements; and
- F. It is in the best interests of the Company to enter into the Asset Sale Agreements.

THE SOLE SHAREHOLDER HEREBY RESOLVES THAT:

• **Approval of Asset Sales and Asset Sale Agreements**

1. The sales and solicitation process conducted by the Receiver, the terms of which are substantially as set forth in Appendix "A" hereto, is hereby ratified and confirmed.
2. The Asset Sales, the terms of which are substantially as set forth in the Asset Sale Agreements, are hereby authorized and approved.
3. The Asset Sale Agreements, substantially in the form presented to the sole shareholder, are hereby approved and the sole manager of the Company is hereby authorized and directed to sign and deliver for, on behalf of, and in the name of the Company, the Asset Sale Agreements with any and all such additions, omissions and amendments thereto as may be approved by the sole manager signing the Asset Sale Agreements.
4. The sole manager of the Company is hereby authorized and directed to sign and deliver for, on behalf of, and in the name of the Company, all such other agreements, instruments, certificates, directions, notices, acknowledgements, receipts and other documents and to perform and to do all other acts and things as the sole manager in her discretion may consider necessary, advisable or useful for the purpose of giving effect to these resolutions, execution as aforesaid to be conclusive evidence of this and the sole manager's approval.
5. Any acts taken prior to the effective date of these resolutions by the sole manager of the Company in connection with the foregoing resolutions are hereby ratified and confirmed.

The foregoing resolutions are hereby passed as evidenced by the signature below of the sole shareholder of the Company effective as of the date first above written.

CALMENA ENERGY HOLDINGS LTD., by
Ernst & Young Inc. in its capacity as the court-
appointed receiver and not in its personal or
corporate capacity

Name: *Neil Hartman*

Title: *Senior Vice President*

BEING THE SOLE SHAREHOLDER OF BW
SERVICES LUXEMBOURG

SCHEDULE "A"

OVERVIEW OF SALES PROCESS

Calmena Mexico consists of the following 4 entities:

1. Calmena Energy Services de Mexico S. de R.L.	2. BWES Services de Mexico, S. de R.L. de C.V.
3. BW HR Pro. S. De R.L. de C.V.	4. BW Services Luxembourg S.A.R.L. ("BW Luxembourg")

Calmena Mexico's property (excluding working capital) primarily included the following:

1. intangible assets including three active drilling contracts, and employments contracts; and
2. tangible assets primarily consisting of six conventional drilling rigs owned by BW Luxembourg as follows:

Calmena Mexico - List of Drilling Rigs		Table 1
Calmena Rig #	Description	Location
736	Dreco - Triple Top Drive Diesel Electric	Poza Rica, Mexico
737	Cassady - Triple Top Drive Diesel Electric	Monclova, Mexico
738	Cassady - Triple Top Drive Diesel Electric	Poza Rica, Mexico
835	MD Cowan - Single Top Drive	Poza Rica, Mexico
836	MD Cowan - Single Top Drive	Poza Rica, Mexico
837	MD Cowan - Single Top Drive	Houston, Texas

Calmena Mexico commenced a sales process for Calmena Mexico on March 13, 2015 and binding letters of intent to acquire Calmena Mexico were due on June 1, 2015.

Calmena Mexico and Ernst & Young Inc., in its capacity as Receiver and Manager of Calmena Energy Services Inc. et al. and not its personal capacity, (the "Receiver") undertook the following steps to facilitate the sale of Calmena Mexico:

- a. placed advertisements regarding the acquisition opportunity in the Daily Oil Bulletin (March 16th, March 23rd and March 30th publications) and Upstream Magazine (March 20th and March 27th publications);
- b. contacted via phone call(s) and/or e-mail 72 parties that the Receiver identified as potentially being interested in acquiring Calmena Mexico as the party had already contacted the Receiver or Calmena expressing interest, or that Calmena Mexico and the Receiver identified as being involved in the oil and gas drilling business or investing in oilfield service companies through internal calls and a search of *CapitalIQ*;
- c. prepared and sent out a Mexico Teaser describing the opportunity to purchase Calmena Mexico. The Mexico Teaser was sent to 61 potential purchasers;
- d. since Calmena Mexico is being sold as a going concern business, the Receiver required interested parties to execute a confidentiality agreement (the "CA"). 15 interested parties executed a CA;

SCHEDULE "A"

- e. prepared and sent out a confidential information memorandum (the "Mexico CIM"), describing the opportunity to purchase Calmena Mexico. The Mexico CIM was sent out to 15 interested parties;
- f. populated and gave 15 interested parties access to a virtual data room to facilitate due diligence;
- g. subsequently followed up via phone call(s) and/or e-mail with 54 potential purchasers;
- h. sent a letter (the "Process Letter") during the week of April 10, 2015 to all parties that had expressed interest in the Calmena Mexico describing the process to submit an offer for Calmena Mexico. The Process Letter was sent to 12 interested parties;
- i. responded to numerous queries with respect of Calmena Mexico and the sales process from interested parties;
- j. coordinated rig tours of Rig 837 (located in Houston, TX) to two interested parties;
- k. conducted Calmena Mexico management presentations via videoconference with three interested parties. Kevin Wallgren (Global Operations Manager), Alexander Moya (Operations Manager), Daniel Salazar (HR Manager) and John King (former CEO) were all in attendance;
- l. arranged a follow up management presentation with one interested party;
- m. at the May 8, 2015 bid deadline, received four non-binding LOI's (three *en bloc* offers and one single rig offer);
- n. accepted all parties that submitted non-binding letters of intent as qualified purchasers in order to allow them to perform further due diligence;
- o. coordinated site visits for the three parties that submitted *en bloc offers* to inspect the Calmena Rigs located in Houston, TX and Poza Rica, Mexico; and
- p. at the June 1 bid deadline, received four binding letters of intent (three *en bloc offers* and one single rig offer).

In addition to the above sales process, the Receiver also solicited auction proposals from eight reputable auctioneers. The Receiver was provided auction proposals from Ritchie Bros. Auctioneers and Kruse Energy & Equipment Auctioneers.

I

BW Services Luxembourg

Société à responsabilité limitée

Share Capital: USD 40,000

Registered office: 15, rue Edward Steichen, L-2540 Luxembourg

Grand-Duchy of Luxembourg

R.C.S. Luxembourg: B 173.595

(the "Company")

**WRITTEN RESOLUTIONS OF THE SOLE MANAGER OF
THE COMPANY MADE EFFECTIVE
SEPTEMBER 24, 2015.**

AGENDA:

- Approval of Asset Sales and Asset Sale Agreements.
-

SALE OF ASSETS TO SIMMONS EDECO INC.

WHEREAS:

- A. Pursuant to the *Bankruptcy and Insolvency Act*, R.S.C. 1985, c. B-3, as amended (the "**BIA**"), the Alberta Court of Queen's Bench (the "**Alberta Court**") granted a receivership order with respect to all of the current and future property and undertakings of Calmena Energy Services Inc., Calmena Energy Holdings Ltd., 1414995 Alberta Ltd., Calmena Energy Services Operating Limited Partnership, Calmena Energy Services (USA) Corp., Calmena Drilling Services LLC, and Calmena Drilling Services US LP (the "**Debtors**") on January 20, 2015, as amended on February 9, 2015 (the "**Receivership Order**") appointing Ernst & Young Inc. (the "**Receiver**") as receiver and manager of the Debtors;
- B. The Company is a wholly owned subsidiary of Calmena Energy Holdings Ltd., which is in turn a wholly owned subsidiary of the parent company, Calmena Energy Services Inc. Pursuant to the Receivership Order, the Receiver controls the shares of the Company;
- C. Through the Receiver, the Company conducted a sales and solicitation process with respect to its operating assets in Mexico, through which the Receiver received and reviewed several bids for the purchase of certain of the Company's assets;
- D. The Company intends to enter into one or more Asset Sale Agreements to be dated in or around September 23, 2015 (the "**Asset Sale Agreements**") in respect of selling drilling rigs and related assets to Simmons Edeco Inc. or one or more of its affiliates for aggregate consideration of USD \$3,500,000, subject to the adjustments therein (the "**Asset Sales**");
- E. The sole shareholder of the Company has approved the Asset Sales and the Asset Sale Agreements and has authorized and directed the sole manager of the Company to execute and deliver the Asset Sale Agreements for and on behalf of the Company;

- F. The sole manager of the Company has been provided with a copy of the Asset Sale Agreements; and
- G. It is in the best interests of the Company to enter into the Asset Sale Agreements.

THE SOLE MANAGER HEREBY RESOLVES THAT:

• **Approval of Asset Sales and Asset Sale Agreements**

1. The sales and solicitation process conducted by the Receiver on the Company's behalf, the terms of which are substantially as set forth in Appendix "A" hereto, is hereby ratified and confirmed.
2. The Asset Sales, the terms of which are substantially as set forth in the Asset Sale Agreements, are hereby authorized and approved.
3. The Asset Sale Agreements, substantially in the form presented to the sole manager, are hereby approved and the sole manager of the Company is hereby authorized and directed to sign and deliver for, on behalf of, and in the name of the Company, the Asset Sale Agreements with any and all such additions, omissions and amendments thereto as may be approved by the sole manager signing the Asset Sale Agreements.
4. The sole manager of the Company is hereby authorized and directed to sign and deliver for, on behalf of, and in the name of the Company, all such other agreements, instruments, certificates, directions, notices, acknowledgements, receipts and other documents and to perform and to do all other acts and things as the sole manager in her discretion may consider necessary, advisable or useful for the purpose of giving effect to these resolutions, execution as aforesaid to be conclusive evidence of this and the sole manager's approval.
5. Any acts taken prior to the effective date of these resolutions by the sole manager of the Company in connection with the foregoing resolutions are hereby ratified and confirmed.

The foregoing resolutions are hereby passed as evidenced by the signature below of the sole manager of the Company effective as of the date first above written.



MARJORIE ALLO
Being the sole manager of BW Services
Luxembourg

SCHEDULE "A"

OVERVIEW OF SALES PROCESS

Calmena Mexico consists of the following 4 entities:

1. Calmena Energy Services de Mexico S. de R.L.	2. BWES Services de Mexico, S. de R.L. de C.V.
3. BW HR Pro. S. De R.L. de C.V.	4. BW Services Luxembourg S.A.R.L. ("BW Luxembourg")

Calmena Mexico's property (excluding working capital) primarily included the following:

1. intangible assets including three active drilling contracts, and employments contracts; and
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Calmena Mexico - List of Drilling Rigs			Table 1
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836	MD Cowan - Single Top Drive	Poza Rica, Mexico	
837	MD Cowan - Single Top Drive	Houston, Texas	

Calmena Mexico commenced a sales process for Calmena Mexico on March 13, 2015 and binding letters of intent to acquire Calmena Mexico were due on June 1, 2015.

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- c. prepared and sent out a Mexico Teaser describing the opportunity to purchase Calmena Mexico. The Mexico Teaser was sent to 61 potential purchasers;
- d. since Calmena Mexico is being sold as a going concern business, the Receiver required interested parties to execute a confidentiality agreement (the "CA"). 15 interested parties executed a CA;

SCHEDULE "A"

- e. prepared and sent out a confidential information memorandum (the "Mexico CIM"), describing the opportunity to purchase Calmena Mexico. The Mexico CIM was sent out to 15 interested parties;
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- g. subsequently followed up via phone call(s) and/or e-mail with 54 potential purchasers;
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- l. arranged a follow up management presentation with one interested party;
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- o. coordinated site visits for the three parties that submitted *en bloc offers* to inspect the Calmena Rigs located in Houston, TX and Poza Rica, Mexico; and
- p. at the June 1 bid deadline, received four binding letters of intent (three *en bloc offers* and one single rig offer).

In addition to the above sales process, the Receiver also solicited auction proposals from eight reputable auctioneers. The Receiver was provided auction proposals from Ritchie Bros. Auctioneers and Kruse Energy & Equipment Auctioneers.

J

**CALMENA ENERGY SERVICES DE MÉXICO, S. DE R.L. DE C.V.
MEMBERS' MEETING
SEPTEMBER --, 2015**

In Alberta, Canada all the shareholders of Calmena Energy Services de México, S. de R.L. de C.V. (the "Company"), at 12:00 hours on September 23 2015, being 1414995 Alberta Ltd., represented by Ernst & Young Inc. in its capacity as the court-appointed receiver and not in its personal or corporate capacity and CALMENA ENERGY SERVICES, INC., represented by Ernst & Young Inc. in its capacity as the court-appointed receiver and not in its personal or corporate capacity, both entities duly incorporated and existing under the laws of Canada, none of them residing in the United Mexican States for tax purposes, met in order to hold a Members' Meeting of the Company, pursuant to Article Twenty Sixth of the Company's by-laws.

Since none of the members of the Board of Managers of the Company were present at the Meeting, the attending parties unanimously resolved that Mr. Neil Narfason should chair the Meeting and that Mr. Dylan Murray should act as Secretary, in accordance with article twenty first of the Company's bylaws.

The Chairman appointed Peter Chisholm as Teller. After accepting his appointment, the Teller certified that all of the membership interests in the equity of the Company were duly represented at the Meeting, as follows:

Members	Membership Interests	Equity (Pesos)	
		Fixed Equity	Variable Portion
1414995 Alberta Ltd.	1	\$2,970.00	---
Calmena Energy Services Inc.	1	\$30.00	---
Total	2	\$3,000.00	

The members unanimously approved the Chairman's declaration in connection with the due installation of the Meeting, which agenda was dealt with as follows.

Due to the fact that all of the membership interests in the equity of the Company were duly represented, the Chairman declared the Meeting legally installed, even though the corresponding call had not been made, pursuant to the provisions of the bylaws of the Company, and submitted to the consideration of the Meeting the following

AGENDA

-
- I. Approval of Asset Sales and Asset Sale Agreements**
 - II. Appointment of delegates who will execute and formalize of the resolutions passed by the Meeting.**

Item One. In connection with the first item on the agenda, the Chairman informed the Meeting as to the sale of assets to Simmons Edeco, Inc. and informed that:

- A. Pursuant to the *Bankruptcy and Insolvency Act*, R.S.C. 1985, c. B-3, as amended (the "**BIA**"), the Alberta Court of Queen's Bench (the "**Alberta Court**") granted a receivership order with respect to all of the current and future property and undertakings of Calmena Energy Services Inc., Calmena Energy Holdings Ltd., 1414995 Alberta Ltd., Calmena Energy Services Operating Limited Partnership, Calmena Energy Services (USA) Corp., Calmena Drilling Services LLC, and Calmena Drilling Services US LP (the "**Debtors**") on January 20, 2015, as amended on February 9, 2015 (the "**Receivership Order**") appointing Ernst & Young Inc. (the "**Receiver**") as receiver and manager of the Debtors;

- B. The Company is a wholly owned subsidiary of 1414995 Alberta Ltd. and Calmena Energy Services Inc. 1414995 Alberta Ltd., is in turn a wholly owned subsidiary of the parent company, Calmena Energy Services Inc. Pursuant to the Receivership Order, the Receiver controls the shares of the Company;
- C. Through the Receiver, the Company conducted a sales and solicitation process with respect to its operations in Mexico, through which the Receiver received and reviewed several bids for the purchase of certain of the Company's assets;
- D. The Company intends to enter into an Asset Sale Agreement to be dated in or around September 23, 2015 (the "Asset Sale Agreement") and an Assignment Agreement to be dated in or around September 23, 2015 (the "Assignment Agreement") in respect of conveying and assigning the Company's interest in a drilling contract to Simmons Edeco Inc., or one or more of its affiliates, for aggregate consideration of USD \$1.00, and other valuable consideration, including the completion of two additional asset sale agreements with an affiliate of the Company, subject to the adjustments therein (the "Asset Sale");
- E. The shareholders of the Company have been provided with a copy of the Asset Sale Agreement and an English translation of the Assignment Agreement; and
- F. It is in the best interests of the Company to enter into the Asset Sale Agreement and the Assignment Agreement.

The members unanimously grant their agreement and adopted the following

RESOLUTIONS

I. Approval of Asset Sale, Asset Sale Agreement, and Assignment Agreement

- 1. The sales and solicitation process conducted by the Receiver, the terms of which are substantially as set forth in Appendix "A" hereto, is hereby ratified and confirmed.
- 2. The Asset Sale, the terms of which are substantially as set forth in the Asset Sale Agreement and the Assignment Agreement, are hereby authorized and approved.
- 3. The Asset Sale Agreement and the Assignment Agreement, substantially in the forms presented to the shareholders, are hereby approved and Mr. Kevin Deric Wallgren the sole director of the Company is hereby authorized and directed to sign and deliver for, on behalf of, and in the name of the Company, the Asset Sale Agreement and the Assignment Agreement with any and all such additions, omissions and amendments thereto as may be approved by the sole director signing the Asset Sale Agreement and the Assignment Agreement, respectively.
- 4. The sole director of the Company is hereby authorized and directed to sign and deliver for, on behalf of, and in the name of the Company, all such other agreements, instruments, certificates, directions, notices, acknowledgements, receipts and other documents and to perform and to do all other acts and things as the sole director in his discretion may consider necessary, advisable or useful for the purpose of giving effect to these resolutions, execution as aforesaid to be conclusive evidence of this and the sole director's approval.
- 5. Any acts taken prior to the effective date of these resolutions by the sole director of the Company in connection with the foregoing resolutions are hereby ratified and confirmed.

Item Two. In connection with the last item on the agenda, the members unanimously grant their agreement and adopted the following

RESOLUTION

"II. It is hereby resolved to appoint Mr. Darío A Oscós Rueda and Alejandro Lara Flores as special delegates of the Meeting, with broad authority in order for any one of them, if necessary, to appear before the Notary Public or Commercial Notary Public of their choice to notarize and ratify the minutes of this Meeting on behalf of the Company, obtain the recordation of the first true copy thereof with the Public Registry of Commerce of the Company's corporate domicile,

and to sign any and all documents and certificates required for the resolutions hereby adopted to become fully effective."

There being no further matters to discuss, the Meeting was suspended the time necessary for the preparation of these minutes which, once read, were approved by the Meeting and executed by the Chairman and the Secretary. The Meeting adjourned at 2:30 hours on September 23, 2015.



Mr. Chairman



Mr. Secretary



Mr. Teller

Resolutions adopted with the express agreement of all the Company's shareholders, pursuant to Article Twenty Sixth of the Company's by-laws; in witness whereof the shareholders sign bellow in the place and date above written:

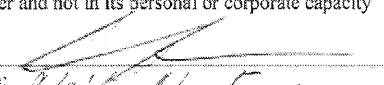
Calmena Energy Services Inc., by
Ernst & Young Inc. in its capacity as the court-
appointed receiver and not in its personal or
corporate capacity

Name: 
Neil Hartson

Title: *Senior Vice President*

BEING SHAREHOLDER OF CALMENA ENERGY
SERVICES DE MÉXICO, S. DE R.L. DE C.V

1414995 Alberta Ltd., by
Ernst & Young Inc. in its capacity as the court-appointed
receiver and not in its personal or corporate capacity

Name: 
Neil Hartson

Title: *Senior Vice President*

BEING SHAREHOLDER OF CALMENA ENERGY
SERVICES DE MÉXICO, S. DE R.L. DE C.V

SCHEDULE "A"

OVERVIEW OF SALES PROCESS

Calmena Mexico consists of the following 4 entities:

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- d. since Calmena Mexico is being sold as a going concern business, the Receiver required interested parties to execute a confidentiality agreement (the "CA"). 15 interested parties executed a CA;

SCHEDULE "A"

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In addition to the above sales process, the Receiver also solicited auction proposals from eight reputable auctioneers. The Receiver was provided auction proposals from Ritchie Bros. Auctioneers and Kruse Energy & Equipment Auctioneers.

K

CALMENA ENERGY SERVICES DE MÉXICO, S. DE R.L. DE C.V.

MEMBERS' MEETING
SEPTEMBER 25, 2015
(the "Company")

WRITTEN RESOLUTIONS OF THE SOLE DIRECTOR
OF THE COMPANY MADE EFFECTIVE
SEPTEMBER 25, 2015.

AGENDA:

- Approval of Asset Sales and Asset Sale Agreements.
-

SALE OF ASSETS TO SIMMONS EDECO INC.

WHEREAS:

- A. Pursuant to the *Bankruptcy and Insolvency Act*, R.S.C. 1985, c. B-3, as amended (the "**BIA**"), the Alberta Court of Queen's Bench (the "**Alberta Court**") granted a receivership order with respect to all of the current and future property and undertakings of Calmena Energy Services Inc., Calmena Energy Holdings Ltd., 1414995 Alberta Ltd., Calmena Energy Services Operating Limited Partnership, Calmena Energy Services (USA) Corp., Calmena Drilling Services LLC, and Calmena Drilling Services US LP (the "**Debtors**") on January 20, 2015, as amended on February 9, 2015 (the "**Receivership Order**") appointing Ernst & Young Inc. (the "**Receiver**") as receiver and manager of the Debtors;
- B. The Company is a wholly owned subsidiary of 1414995 Alberta Ltd. and Calmena Energy Services Inc. 1414995 Alberta Ltd., which is in turn a wholly owned subsidiary of the parent company, Calmena Energy Services Inc. Pursuant to the Receivership Order, the Receiver controls the shares of the Company;
- C. Through the Receiver, the Company conducted a sales and solicitation process with respect to its operations in Mexico, through which the Receiver received and reviewed several bids for the purchase of certain of the Company's assets;
- D. The Company intends to enter into an Asset Sale Agreement, to be dated in or around September 23, 2015 (the "**Asset Sale Agreements**") in respect of selling a drilling contract and related assets to Simmons Edeco Inc., or one or more of its affiliates or nominees, for aggregate consideration of USD \$1.00, and other valuable consideration, including the completion of two additional asset agreements with an affiliate of the Company, subject to the adjustments therein (the "**Asset Sale**");
- E. The shareholders of the Company have been provided with a copy of the Asset Sale Agreement, and have provided the Company with a written Shareholders' Resolution expressing their endorsement of the Asset Sale Agreement; and

- F. The Director has reviewed the sales and solicitation process and the Asset Sale Agreement, and concluded that it is in the best interests of the Company to enter into the Asset Sale Agreement.

THE SOLE DIRECTOR, BASED UPON THE COMPANY'S DECISION, DATED SEPTEMBER 25, 2015, HEREBY RESOLVES THAT:

• **Approval of Asset Sale and Asset Sale Agreement**

1. The sales and solicitation process conducted by the Receiver on the Company's behalf, the terms of which are substantially as set forth in Appendix "A" hereto, is hereby ratified and confirmed.
2. The Asset Sale, the terms of which are substantially as set forth in the Asset Sale Agreement, are hereby authorized and approved.
3. The Asset Sale Agreement, substantially in the form presented to the sole director, are hereby approved and the sole director of the Company is hereby authorized and directed to sign and deliver for, on behalf of, and in the name of the Company, the Asset Sale Agreement with any and all such additions, omissions and amendments thereto as may be approved by the sole manager signing the Asset Sale Agreement.
4. The sole manager of the Company is hereby authorized and directed to sign and deliver for, on behalf of, and in the name of the Company, all such other agreements, instruments, certificates, directions, notices, acknowledgements, receipts and other documents and to perform and to do all other acts and things as the sole manager in her discretion may consider necessary, advisable or useful for the purpose of giving effect to these resolutions, execution as aforesaid to be conclusive evidence of this and the sole manager's approval.
5. Any acts taken prior to the effective date of these resolutions by the sole director of the Company in connection with the foregoing resolutions are hereby ratified and confirmed.

The foregoing resolutions are hereby passed as evidenced by the signature below of the sole director of the Company effective as of the date first above written.



Mr. Kevin Deric Wallgren

Being the sole director of CALMENA
ENERGY SERVICES DE MÉXICO, S. DE
R.L. DE C.V.

L

VEHICLE SALE AGREEMENT

THIS AGREEMENT made the 25th day of September, 2015

BETWEEN:

Calmena Energy Services de Mexico, S. de R.L. de C.V.
a corporation existing under the laws of Mexico (the “Vendor”),

and .

Simmons Edeco Mexico, S.A. de C.V.
A corporation existing under the laws of Mexico (the “Purchaser”)

WHEREAS:

- A. the Vendor is the owner of certain motor vehicles; and
- B. the Purchaser wishes to purchase such motor vehicles subject to the terms of this Agreement.

NOW THEREFORE THIS AGREEMENT WITNESSES THAT in consideration of the respective covenants, agreements, representations, warranties and indemnities of the parties herein contained and for other good and valuable consideration (the receipt and sufficiency of which are acknowledged by each party), the parties agree as follows:

- 1. Subject to the provisions of this Agreement, the Vendor hereby agrees to sell to the Purchaser and the Purchaser agrees to purchase from the Vendor the motor vehicle or motor vehicles described in Schedule A to this Agreement (together, the “**Vehicles**” and each, a “**Vehicle**”).
- 2. The purchase price payable by the Purchaser to the Vendor for the Vehicles shall be the amount set forth in Schedule A. The purchase price shall be payable by certified cheque or bank draft.
- 3. The obligation of the Vendor to sell the Vehicles to the Purchaser and the obligation of the Purchaser to purchase and accept the Vehicles pursuant to this Agreement shall be subject to the completion of the closing of the transactions contemplated in the Asset Purchase Agreement between BW Services Luxembourg S.A.R.L. and SE Rig Equipment Company S.A. de C.V. dated the 25th day of September, 2015 (the “**Asset Purchase Agreement**”). Subject to satisfaction of the foregoing condition, and payment of the purchase price, title to the Vehicles shall pass to the Purchaser immediately following the closing of the transactions contemplated by the Asset Purchase Agreement.

4. The Purchaser shall, from and after the transfer of title to the Vehicles in accordance with Section 3, bear the entire risk of loss or destruction of or damage to the Vehicles from any cause whatsoever. Any insurance, including property, liability or other insurance maintained by the Vendor with respect to the Vehicles, or any of them, shall not be transferred to the Purchaser. The Purchaser acknowledges that it shall be responsible for placing its own property, liability and other insurance coverage with respect to the Vehicles. The Purchaser shall arrange for and pay the cost of delivery of the Vehicles.
5. The Purchaser hereby acknowledges and agrees that each Vehicle is being sold to the Purchaser "as is, where is", and "with all faults".
6. The Vendor represents to the Purchaser that the Vendor has the right to sell the Vehicles. Except as set forth in the preceding sentence, the Vendor makes no warranty or representation, express or implied, statutory or otherwise, relating to the Vehicles including, without limitation, as to the condition, fitness for any particular purpose, design, operation or merchantability of any Vehicle, the quality of the material or workmanship thereof or conformity thereof to specifications, the absence of any latent or other defect, whether or not discoverable, or compliance of any Vehicle with any applicable law. The Vendor hereby excludes all such representations and warranties.
7. The Vendor shall not have any responsibility or liability to the Purchaser or any other person with respect to any of the following:
 - (a) any liability, loss or damage caused or alleged to be caused directly or indirectly by any Vehicle or by any inadequacy thereof or deficiency or defect therein or by any other circumstances in connection therewith;
 - (b) the ownership, possession, use, operation, performance servicing, maintenance, repair or improvement of any Vehicle;
 - (c) the use, leasing, delivery, operation, of any Vehicle.
 - (d) any patent or latent defects in any Vehicle (whether or not discoverable by the Purchaser or any such person);
 - (e) any claim based on strict liability, in tort or otherwise;
 - (f) any claim based on liability arising under applicable law including, without limitation, environmental or noise or pollution legislation;
 - (g) any liability or loss related to or arising out of the failure by the Purchaser to comply

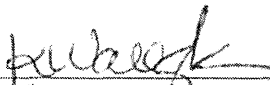
with its obligations under this Agreement; or

- (h) any interruption of service, loss of business or anticipated profits, or incidental or consequential damages.
- 8. From and after transfer of title to the Vehicles in accordance with Section 3, the Purchaser shall indemnify and save harmless the Vendor, its directors, officers and employees and their respective personal representatives, successors and assigns (each, an “**Indemnified Party**”) from and against any and all claims, demands, actions, causes of action, damages, losses, costs (including legal fees), liabilities or expenses (including amounts paid in settlement of any such matters) which may be made or brought against any Indemnified Party and/or which it may suffer or incur as a result of, in respect of or arising out of the use, sale, lease, disposition or possession of any Vehicle or any breach by the Purchaser of its obligations under this Agreement.
- 9. In this Agreement, words importing the singular number only shall include the plural and vice versa, words importing gender shall include all genders and words importing persons shall include individuals, corporations, partnerships, associations, trusts, unincorporated organizations, governmental bodies and other legal or business entities of any kind whatsoever.
- 10. This Agreement constitutes the entire agreement between the parties with respect to the subject matter hereof, and supersedes all prior representations, agreements, understandings, negotiations and discussions, whether written or oral. There are no conditions, covenants, agreements, representations, warranties or other provisions, express or implied, collateral, statutory or otherwise, relating to the subject matter hereof except as herein provided.
- 11. This Agreement shall be governed by the laws of the province of Alberta and the federal laws of Canada applicable therein, and each party irrevocably and unconditionally submits to the exclusive jurisdiction of the courts of Alberta and all courts competent to hear appeals therefrom.
- 12. This Agreement shall enure to the benefit of and shall be binding on and enforceable by the parties and their respective successors and permitted assigns. Neither the Vendor nor Purchaser may assign any of its rights or obligations hereunder without the prior written consent of the other party.
- 13. No amendment or waiver of any provision of this Agreement shall be binding on either party unless consented to in writing by such party. No waiver of any provision of this Agreement shall constitute a waiver of any other provision, nor shall any waiver constitute a continuing waiver unless otherwise provided.

14. This Agreement may be executed in counterparts, each of which shall constitute an original and all of which taken together shall constitute one and the same instrument.

IN WITNESS WHEREOF this Agreement has been executed by the parties and is effective as of the date first set forth above.

Calmena Energy Services de Mexico, S. de R.L. de C.V.

By: 
Name: Kevin Deric Walgren
Title: Director

Simmons Edeco Mexico, S.A. de C.V.

(Name of Purchaser)

By: 
Name: Victor Reda
Title: Director

SCHEDULE A**Vehicles****Description of Motor Vehicle**

DESCRIPTION	PLATES	YEAR	VIN	VALUE
CHEYENE 4 PUERTAS	WK-47-570	2010	3GCRCRE01AG103615	
COLORADO 4 PUERTA	S WK-47-568	2010	1GCDS9CB93A8117308	
CHEVROLET TAHOE	XHP-9921	2010	1GNUKBEO8ARZ19485	
COLORADO 4 PUERTAS-PLACAS DE VERACRUZ	WK-47-577	2012	1GCDS9CE8C8120674	
CHEYENNE CAB SENCILLA PLACAS DE VERACRUZ	XU-06-788	2009	3CCEC14330M1101615	
CHEVROLET 3500	XU-07-894	2010	3GB6CZBK7A6222444	
COLORADO 4 PUERTAS	WK-47579	2012	1GCDS9CE9C8122885	
COLORADO 4 PUERTAS	WK-47-580	2010	1GCDS9CB98A8104828	
COLORADO 4 PTAS	WK-47-572	2012	1GCDS9CE3C8123143	
CHEVROLET SILVERADO	WK-47-575	2010	1GCSCRE04A111760	
COLORADO 4 PTAS	WK-47-576	2012	1GCDS9CE8C8120660	
COLORADO 4 PUERTAS	WK-47-578	2012	1GCDS9CE2C8120945	
				\$4,900 USD

M

VEHICLE SALE AGREEMENT

THIS AGREEMENT made the 25 day of September, 2015

BETWEEN:

BW HR Pro, S. de R.L. de C.V.

a corporation existing under the laws of Mexico (the “Vendor”),

and

Simmons Edeco Mexico, S.A. de C.V.

A corporation existing under the laws of Mexico (the “Purchaser”)

WHEREAS:

- A. the Vendor is the owner of certain motor vehicles; and
- B. the Purchaser wishes to purchase such motor vehicles subject to the terms of this Agreement.

NOW THEREFORE THIS AGREEMENT WITNESSES THAT in consideration of the respective covenants, agreements, representations, warranties and indemnities of the parties herein contained and for other good and valuable consideration (the receipt and sufficiency of which are acknowledged by each party), the parties agree as follows:

1. Subject to the provisions of this Agreement, the Vendor hereby agrees to sell to the Purchaser and the Purchaser agrees to purchase from the Vendor the motor vehicle or motor vehicles described in Schedule A to this Agreement (together, the “**Vehicles**” and each, a “**Vehicle**”).
2. The purchase price payable by the Purchaser to the Vendor for the Vehicles shall be the amount set forth in Schedule A. The purchase price shall be payable by certified cheque or bank draft.
3. The obligation of the Vendor to sell the Vehicles to the Purchaser and the obligation of the Purchaser to purchase and accept the Vehicles pursuant to this Agreement shall be subject to the completion of the closing of the transactions contemplated in the Asset Purchase Agreement between BW Services Luxembourg S.A.R.L. and SE Rig Equipment Company S.A. de C.V. dated the 25th day of September, 2015 (the “**Asset Purchase Agreement**”). Subject to satisfaction of the foregoing condition, and payment of the purchase price, title to the Vehicles shall pass to the Purchaser immediately following the closing of the transactions contemplated by the Asset Purchase Agreement.

4. The Purchaser shall, from and after the transfer of title to the Vehicles in accordance with Section 3, bear the entire risk of loss or destruction of or damage to the Vehicles from any cause whatsoever. Any insurance, including property, liability or other insurance maintained by the Vendor with respect to the Vehicles, or any of them, shall not be transferred to the Purchaser. The Purchaser acknowledges that it shall be responsible for placing its own property, liability and other insurance coverage with respect to the Vehicles. The Purchaser shall arrange for and pay the cost of delivery of the Vehicles.
5. The Purchaser hereby acknowledges and agrees that each Vehicle is being sold to the Purchaser "as is, where is", and "with all faults".
6. The Vendor represents to the Purchaser that the Vendor has the right to sell the Vehicles. Except as set forth in the preceding sentence, the Vendor makes no warranty or representation, express or implied, statutory or otherwise, relating to the Vehicles including, without limitation, as to the condition, fitness for any particular purpose, design, operation or merchantability of any Vehicle, the quality of the material or workmanship thereof or conformity thereof to specifications, the absence of any latent or other defect, whether or not discoverable, or compliance of any Vehicle with any applicable law. The Vendor hereby excludes all such representations and warranties.
7. The Vendor shall not have any responsibility or liability to the Purchaser or any other person with respect to any of the following:
 - (a) any liability, loss or damage caused or alleged to be caused directly or indirectly by any Vehicle or by any inadequacy thereof or deficiency or defect therein or by any other circumstances in connection therewith;
 - (b) the ownership, possession, use, operation, performance servicing, maintenance, repair or improvement of any Vehicle;
 - (c) the use, leasing, delivery, operation, of any Vehicle.
 - (d) any patent or latent defects in any Vehicle (whether or not discoverable by the Purchaser or any such person);
 - (e) any claim based on strict liability, in tort or otherwise;
 - (f) any claim based on liability arising under applicable law including, without limitation, environmental or noise or pollution legislation;
 - (g) any liability or loss related to or arising out of the failure by the Purchaser to comply

with its obligations under this Agreement; or

- (h) any interruption of service, loss of business or anticipated profits, or incidental or consequential damages.
- 8. From and after transfer of title to the Vehicles in accordance with Section 3, the Purchaser shall indemnify and save harmless the Vendor, its directors, officers and employees and their respective personal representatives, successors and assigns (each, an “**Indemnified Party**”) from and against any and all claims, demands, actions, causes of action, damages, losses, costs (including legal fees), liabilities or expenses (including amounts paid in settlement of any such matters) which may be made or brought against any Indemnified Party and/or which it may suffer or incur as a result of, in respect of or arising out of the use, sale, lease, disposition or possession of any Vehicle or any breach by the Purchaser of its obligations under this Agreement.
- 9. In this Agreement, words importing the singular number only shall include the plural and vice versa, words importing gender shall include all genders and words importing persons shall include individuals, corporations, partnerships, associations, trusts, unincorporated organizations, governmental bodies and other legal or business entities of any kind whatsoever.
- 10. This Agreement constitutes the entire agreement between the parties with respect to the subject matter hereof and supersedes all prior representations, agreements, understandings, negotiations and discussions, whether written or oral. There are no conditions, covenants, agreements, representations, warranties or other provisions, express or implied, collateral, statutory or otherwise, relating to the subject matter hereof except as herein provided.
- 11. This Agreement shall be governed by the laws of the province of Alberta and the federal laws of Canada applicable therein, and each party irrevocably and unconditionally submits to the exclusive jurisdiction of the courts of Alberta and all courts competent to hear appeals therefrom.
- 12. This Agreement shall enure to the benefit of and shall be binding on and enforceable by the parties and their respective successors and permitted assigns. Neither the Vendor nor Purchaser may assign any of its rights or obligations hereunder without the prior written consent of the other party.
- 13. No amendment or waiver of any provision of this Agreement shall be binding on either party unless consented to in writing by such party. No waiver of any provision of this Agreement shall constitute a waiver of any other provision, nor shall any waiver constitute a continuing waiver unless otherwise provided.

14. This Agreement may be executed in counterparts, each of which shall constitute an original and all of which taken together shall constitute one and the same instrument.

IN WITNESS WHEREOF this Agreement has been executed by the parties and is effective as of the date first set forth above.

BW HR Pro, S. de R.L. de C.V.

By: [Signature]
Name: Kevin Denis Walgren
Title: Director

Simmons Edeco Mexico, S.A. de C.V.

(Name of Purchaser)

By: _____
Name: _____
Title: _____

14. This Agreement may be executed in counterparts, each of which shall constitute an original and all of which taken together shall constitute one and the same instrument.

IN WITNESS WHEREOF this Agreement has been executed by the parties and is effective as of the date first set forth above.

BW HR Pro, S. de R.L. de C.V.

By: _____
Name: _____
Title: _____

Simmons Edeco Mexico, S.A. de C.V.

(Name of Purchaser)

By:  _____
Name: *Victor Redalop*
Title: *Director*

SCHEDULE A

Vehicles

Description of Motor Vehicle

DESCRIPTION	PLATES	YEAR	VIN	VALUE
EXPRESS VAN 15 POZA RICA	XGU-3879	2010	1GA2G1DG8A1130969	
EXPRESS VAN 15 #002	XGU-3877	2010	1GA2G1DG5A1124495	
EXPRESS VAN 15 POZA RICA-- (CALMENA)	YHP-7121 VER	2010	1GA2G1DG3A1130750	
CHEYENNE CABINA EXTENDIDA 4X4 C-2500	WK-47-858	2010	1GCSKRE34AZ139815	
				\$700 USD

N

**BW HR-PRO, S. DE R.L. DE C.V.
MEMBERS' MEETING
SEPTEMBER 25, 2015**

In Alberta, Canada all the shareholders of **BHR-PRO, S. de R.L. de C.V.** (the "Company"), at 13:30 hours on September 25 2015, being **BWES de México, S. de R.L. de C.V.**, represented by Kevin Wallgren and **CALMENA ENERGY SERVICES, INC.**, represented by Ernst & Young Inc. in its capacity as the court-appointed receiver and not in its personal or corporate capacity, both entities duly incorporated and existing under the laws of Canada, none of them residing in the United Mexican States for tax purposes, met in order to hold a Members' Meeting of the Company, pursuant to Article Twenty Sixth of the Company's by-laws.

Since none of the members of the Board of Managers of the Company were present at the Meeting, the attending parties unanimously resolved that Mr. Peter Chisholm should chair the Meeting and that Mr. Neil Narfason should act as Secretary, in accordance with article twenty first of the Company's bylaws.

The Chairman appointed Ms. Cassie Riglin as Teller. After accepting his appointment, the Teller certified that all of the membership interests in the equity of the Company were duly represented at the Meeting, as follows:

Members	Membership Interests	Equity (Pesos)	
		Fixed Equity	Variable Portion
BWES de México, S. de R.L. de C.V.	1	\$49,999.00	---
Calmena Energy Services Inc.	1	\$1.00	---
Total	2	\$50,000.00	

The members unanimously approved the Chairman's declaration in connection with the due installation of the Meeting, which agenda was dealt with as follows.

Due to the fact that all of the membership interests in the equity of the Company were duly represented, the Chairman declared the Meeting legally installed, even though the corresponding call had not been made, pursuant to the provisions of the bylaws of the Company, and submitted to the consideration of the Meeting the following

AGENDA

- I. **Approval of Asset Sales and Asset Sale Agreements**
- II. Appointment of delegates who will execute and formalize of the resolutions passed by the Meeting.

Item One. In connection with the first item on the agenda, the Chairman informed the Meeting as to the sale of assets to Simmons Edeco, Inc. and informed that:

- A. Pursuant to the *Bankruptcy and Insolvency Act*, R.S.C. 1985, c. B-3, as amended (the "**BIA**"), the Alberta Court of Queen's Bench (the "**Alberta Court**") granted a receivership order with respect to all of the current and future property and undertakings of Calmena Energy Services Inc., Calmena Energy Holdings Ltd., 1414995 Alberta Ltd., Calmena Energy Services Operating Limited Partnership, Calmena Energy Services (USA) Corp., Calmena Drilling Services LLC, and Calmena Drilling Services US LP (the "**Debtors**") on January 20, 2015, as amended on February 9, 2015 (the "**Receivership Order**") appointing Ernst & Young Inc. (the "**Receiver**") as receiver and manager of the Debtors;
- B. The Company is a wholly owned subsidiary of **BWES de México, S. de R.L. de C.V.** and Calmena Energy Services Inc. **BWES de México, S. de R.L. de C.V.**, is in turn a wholly

owned subsidiary of the parent company 1414995 Alberta, Ltd. and Calmena Energy Services Inc. Pursuant to the Receivership Order, the Receiver controls the shares of the Company;

- C. The Company intends to enter into an agreement for the sale of certain of its vehicles, to be dated in or around September 24, 2015 (the "Vehicle Sales Agreement") to Simmons Edeco Inc., or one or more of its affiliates or nominees, for aggregate consideration of USD \$1.00, and other valuable consideration, including the completion of certain asset sale agreements with one or more of the Company's affiliates (the "Asset Sale");
- D. The shareholders of the Company have been provided with a copy of the Vehicle Sales Agreement; and
- E. It is in the best interests of the Company to enter into the Vehicle Sales Agreement.

The members unanimously grant their agreement and adopted the following

RESOLUTIONS

I. Approval of the Asset Sale and Vehicle Sales Agreement

- 1. The Asset Sale, the terms of which are substantially as set forth in the Vehicle Sales Agreement, is hereby authorized and approved.
- 2. The Vehicle Sales Agreement, substantially in the form presented to the shareholders, is hereby approved and Mr. Kevin Deric Wallgren the sole director of the Company is hereby authorized and directed to sign and deliver for, on behalf of, and in the name of the Company, the Vehicle Sales Agreement with any and all such additions, omissions and amendments thereto as may be approved by the sole director signing the Vehicle Sales Agreement.
- 3. The sole director of the Company is hereby authorized and directed to sign and deliver for, on behalf of, and in the name of the Company, all such other agreements, instruments, certificates, directions, notices, acknowledgements, receipts and other documents and to perform and to do all other acts and things as the sole director in his discretion may consider necessary, advisable or useful for the purpose of giving effect to these resolutions, execution as aforesaid to be conclusive evidence of this and the sole director's approval.
- 4. Any acts taken prior to the effective date of these resolutions by the sole director of the Company in connection with the foregoing resolutions are hereby ratified and confirmed.

Item Two. In connection with the last item on the agenda, the members unanimously grant their agreement and adopted the following

RESOLUTION

"II. It is hereby resolved to appoint Mr. Darío A Oscós Rueda and Alejandro Lara Flores as special delegates of the Meeting, with broad authority in order for any one of them, if necessary, to appear before the Notary Public or Commercial Notary Public of their choice to notarize and ratify the minutes of this Meeting on behalf of the Company, obtain the recordation of the first true copy thereof with the Public Registry of Commerce of the Company's corporate domicile, and to sign any and all documents and certificates required for the resolutions hereby adopted to become fully effective."

There being no further matters to discuss, the Meeting was suspended the time necessary for the preparation of these minutes which, once read, were approved by the Meeting and executed by the Chairman and the Secretary. The Meeting adjourned at 14:00 hours on September 25, 2015.


Mr. Chairman


Mr. Secretary


Ms. Teller

Resolutions adopted with the express agreement of all the Company's shareholders, pursuant to Article Twenty Sixth of the Company's by-laws; in witness whereof the shareholders sign bellow in the place and date above written:

Calmena Energy Services Inc., by
Ernst & Young Inc. in its capacity as the court-
appointed receiver and not in its personal or
corporate capacity

BWES de México, S. de R.L. de C.V., by its sole
director Kevin Deric Wallgren

Name:

Peter Carlsson

Name:

Title:

Vice President

Title:

Resolutions adopted with the express agreement of all the Company's shareholders, pursuant to Article Twenty Sixth of the Company's by-laws; in witness whereof the shareholders sign bellow in the place and date above written:

Calmena Energy Services Inc., by
Ernst & Young Inc. in its capacity as the court-
appointed receiver and not in its personal or
corporate capacity

Name:

Title:

BWES de México, S. de R.L. de C.V., by its sole
director Kevin Deric Wallgren

Name:

Title:



Kevin Deric Wallgren

Director

SCHEDULE "A"

OVERVIEW OF SALES PROCESS

Calmena Mexico consists of the following 4 entities:

1. Calmena Energy Services de Mexico S. de R.L.	2. BWES Services de Mexico, S. de R.L. de C.V.
3. BW HR Pro. S. De R.L. de C.V.	4. BW Services Luxembourg S.A.R.L. ("BW Luxembourg")

Calmena Mexico's property (excluding working capital) primarily included the following:

1. intangible assets including three active drilling contracts, and employments contracts; and
2. tangible assets primarily consisting of six conventional drilling rigs owned by BW Luxembourg as follows:

Calmena Mexico.- List of Drilling Rigs			Table 1
Calmena Rig #	Description	Location	
736	Dreco - Triple Top Drive Diesel Electric	Poza Rica, Mexico	
737	Cassady - Triple Top Drive Diesel Electric	Monclova, Mexico	
738	Cassady - Triple Top Drive Diesel Electric	Poza Rica, Mexico	
835	MD Cowan - Single Top Drive	Poza Rica, Mexico	
836	MD Cowan - Single Top Drive	Poza Rica, Mexico	
837	MD Cowan - Single Top Drive	Houston, Texas	

Calmena Mexico commenced a sales process for Calmena Mexico on March 13, 2015 and binding letters of intent to acquire Calmena Mexico were due on June 1, 2015.

Calmena Mexico and Ernst & Young Inc., in its capacity as Receiver and Manager of Calmena Energy Services Inc. et al. and not its personal capacity, (the "Receiver") undertook the following steps to facilitate the sale of Calmena Mexico:

- a. placed advertisements regarding the acquisition opportunity in the Daily Oil Bulletin (March 16th, March 23rd and March 30th publications) and Upstream Magazine (March 20th and March 27th publications);
- b. contacted via phone call(s) and/or e-mail 72 parties that the Receiver identified as potentially being interested in acquiring Calmena Mexico as the party had already contacted the Receiver or Calmena expressing interest, or that Calmena Mexico and the Receiver identified as being involved in the oil and gas drilling business or investing in oilfield service companies through internal calls and a search of *CapitalIQ*;
- c. prepared and sent out a Mexico Teaser describing the opportunity to purchase Calmena Mexico. The Mexico Teaser was sent to 61 potential purchasers;
- d. since Calmena Mexico is being sold as a going concern business, the Receiver required interested parties to execute a confidentiality agreement (the "CA"). 15 interested parties executed a CA;

SCHEDULE "A"

- e. prepared and sent out a confidential information memorandum (the "Mexico CIM"), describing the opportunity to purchase Calmena Mexico. The Mexico CIM was sent out to 15 interested parties;
- f. populated and gave 15 interested parties access to a virtual data room to facilitate due diligence;
- g. subsequently followed up via phone call(s) and/or e-mail with 54 potential purchasers;
- h. sent a letter (the "Process Letter") during the week of April 10, 2015 to all parties that had expressed interest in the Calmena Mexico describing the process to submit an offer for Calmena Mexico. The Process Letter was sent to 12 interested parties;
- i. responded to numerous queries with respect of Calmena Mexico and the sales process from interested parties;
- j. coordinated rig tours of Rig 837 (located in Houston, TX) to two interested parties;
- k. conducted Calmena Mexico management presentations via videoconference with three interested parties. Kevin Wallgren (Global Operations Manager), Alexander Moya (Operations Manager), Daniel Salazar (HR Manager) and John King (former CEO) were all in attendance;
- l. arranged a follow up management presentation with one interested party;
- m. at the May 8, 2015 bid deadline, received four non-binding LOI's (three *en bloc* offers and one single rig offer);
- n. accepted all parties that submitted non-binding letters of intent as qualified purchasers in order to allow them to perform further due diligence;
- o. coordinated site visits for the three parties that submitted *en bloc offers* to inspect the Calmena Rigs located in Houston, TX and Poza Rica, Mexico; and
- p. at the June 1 bid deadline, received four binding letters of intent (three *en bloc offers* and one single rig offer).

In addition to the above sales process, the Receiver also solicited auction proposals from eight reputable auctioneers. The Receiver was provided auction proposals from Ritchie Bros. Auctioneers and Kruse Energy & Equipment Auctioneers.

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BW HR PRO, S. DE R.L. DE C.V.

MEMBERS' MEETING
SEPTEMBER 25, 2015
(the "Company")

WRITTEN RESOLUTIONS OF THE SOLE DIRECTOR
OF THE COMPANY MADE EFFECTIVE
SEPTEMBER 25, 2015.

AGENDA:

- **Approval of Asset Sales and Asset Sale Agreements.**

SALE OF ASSETS TO SIMMONS EDECO INC.

WHEREAS:

- A. Pursuant to the *Bankruptcy and Insolvency Act*, R.S.C. 1985, c. B-3, as amended (the "**BIA**"), the Alberta Court of Queen's Bench (the "**Alberta Court**") granted a receivership order with respect to all of the current and future property and undertakings of Calmena Energy Services Inc., Calmena Energy Holdings Ltd., 1414995 Alberta Ltd., Calmena Energy Services Operating Limited Partnership, Calmena Energy Services (USA) Corp., Calmena Drilling Services LLC, and Calmena Drilling Services US LP (the "**Debtors**") on January 20, 2015, as amended on February 9, 2015 (the "**Receivership Order**") appointing Ernst & Young Inc. (the "**Receiver**") as receiver and manager of the Debtors;
- B. The Company is a wholly owned subsidiary of BWES de México, S. de R.L. de C.V. and Calmena Energy Services Inc. BWES de México, S. de R.L. de C.V., is in turn a wholly owned subsidiary of the parent company 1414995 Alberta, Ltd. and Calmena Energy Services Inc. Pursuant to the Receivership Order, the Receiver controls the shares of the Company;
- C. The Company intends to enter into an agreement for the sale of certain of its vehicles, to be dated in or around September 24, 2015 (the "**Vehicle Sales Agreement**") to Simmons Edeco Inc., or one or more of its affiliates or nominees, for aggregate consideration of USD \$1.00, and other valuable consideration, including the completion of certain asset sale agreements with one or more of the Company's affiliates (the "**Asset Sale**");
- D. The shareholders of the Company have been provided with a copy of the Vehicle Sales Agreement, and have provided the Company with a written Shareholders' Resolution expressing their endorsement of the Vehicle Sales Agreement and Asset Sale; and
- E. The Director has reviewed the Vehicle Sales Agreement and concluded that it is in the best interests of the Company to enter into the Asset Sale.

THE SOLE DIRECTOR, BASED UPON THE COMPANY'S DECISION, DATED SEPTEMBER 25, 2015, HEREBY RESOLVES THAT:

• **Approval of the Asset Sale and the Vehicle Sales Agreement**

1. The Asset Sale, the terms of which are substantially as set forth in the Vehicle Sales Agreement, is hereby authorized and approved.
2. The Vehicle Sales Agreement, substantially in the form presented to the sole director, is hereby approved and the sole director of the Company is hereby authorized and directed to sign and deliver for, on behalf of, and in the name of the Company, the Vehicle Sales Agreement with any and all such additions, omissions and amendments thereto as may be approved by the sole director signing the Vehicle Sales Agreement.
3. The sole director of the Company is hereby authorized and directed to sign and deliver for, on behalf of, and in the name of the Company, all such other agreements, instruments, certificates, directions, notices, acknowledgements, receipts and other documents and to perform and to do all other acts and things as the sole director in his discretion may consider necessary, advisable or useful for the purpose of giving effect to these resolutions, execution as aforesaid to be conclusive evidence of this and the sole director's approval.
4. Any acts taken prior to the effective date of these resolutions by the sole director of the Company in connection with the foregoing resolutions are hereby ratified and confirmed.

The foregoing resolutions are hereby passed as evidenced by the signature below of the sole director of the Company effective as of the date first above written.



Mr. Kevin Deric Wallgren

Being the sole director of BW HR Pro, S. de
R.L. de C.V.

SCHEDULE "A"

OVERVIEW OF SALES PROCESS

Calmena Mexico consists of the following 4 entities:

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3. BW HR Pro. S. De R.L. de C.V.	4. BW Services Luxembourg S.A.R.L. ("BW Luxembourg")

Calmena Mexico's property (excluding working capital) primarily included the following:

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835	MD Cowan - Single Top Drive	Poza Rica, Mexico	
836	MD Cowan - Single Top Drive	Poza Rica, Mexico	
837	MD Cowan - Single Top Drive	Houston, Texas	

Calmena Mexico commenced a sales process for Calmena Mexico on March 13, 2015 and binding letters of intent to acquire Calmena Mexico were due on June 1, 2015.

Calmena Mexico and Ernst & Young Inc., in its capacity as Receiver and Manager of Calmena Energy Services Inc. et al. and not its personal capacity, (the "Receiver") undertook the following steps to facilitate the sale of Calmena Mexico:

- a. placed advertisements regarding the acquisition opportunity in the Daily Oil Bulletin (March 16th, March 23rd and March 30th publications) and Upstream Magazine (March 20th and March 27th publications);
- b. contacted via phone call(s) and/or e-mail 72 parties that the Receiver identified as potentially being interested in acquiring Calmena Mexico as the party had already contacted the Receiver or Calmena expressing interest, or that Calmena Mexico and the Receiver identified as being involved in the oil and gas drilling business or investing in oilfield service companies through internal calls and a search of *CapitalIQ*;
- c. prepared and sent out a Mexico Teaser describing the opportunity to purchase Calmena Mexico. The Mexico Teaser was sent to 61 potential purchasers;
- d. since Calmena Mexico is being sold as a going concern business, the Receiver required interested parties to execute a confidentiality agreement (the "CA"). 15 interested parties executed a CA;

SCHEDULE "A"

- e. prepared and sent out a confidential information memorandum (the "Mexico CIM"), describing the opportunity to purchase Calmena Mexico. The Mexico CIM was sent out to 15 interested parties;
- f. populated and gave 15 interested parties access to a virtual data room to facilitate due diligence;
- g. subsequently followed up via phone call(s) and/or e-mail with 54 potential purchasers;
- h. sent a letter (the "Process Letter") during the week of April 10, 2015 to all parties that had expressed interest in the Calmena Mexico describing the process to submit an offer for Calmena Mexico. The Process Letter was sent to 12 interested parties;
- i. responded to numerous queries with respect of Calmena Mexico and the sales process from interested parties;
- j. coordinated rig tours of Rig 837 (located in Houston, TX) to two interested parties;
- k. conducted Calmena Mexico management presentations via videoconference with three interested parties. Kevin Wallgren (Global Operations Manager), Alexander Moya (Operations Manager), Daniel Salazar (HR Manager) and John King (former CEO) were all in attendance;
- l. arranged a follow up management presentation with one interested party;
- m. at the May 8, 2015 bid deadline, received four non-binding LOI's (three *en bloc* offers and one single rig offer);
- n. accepted all parties that submitted non-binding letters of intent as qualified purchasers in order to allow them to perform further due diligence;
- o. coordinated site visits for the three parties that submitted *en bloc offers* to inspect the Calmena Rigs located in Houston, TX and Poza Rica, Mexico; and
- p. at the June 1 bid deadline, received four binding letters of intent (three *en bloc offers* and one single rig offer).

In addition to the above sales process, the Receiver also solicited auction proposals from eight reputable auctioneers. The Receiver was provided auction proposals from Ritchie Bros. Auctioneers and Kruse Energy & Equipment Auctioneers.

P

GUARANTEE

This Guarantee dated 25th day of September, 2015, is made by **SIMMONS EDECO INC.**, ("**Guarantor**") in favour of **CALMENA ENERGY SERVICES DE MEXICO S. DE R.L. DE C.V.**, an Mexico Corporation ("**Beneficiary**").

WHEREAS, Beneficiary and **SIMMONS EDECO MEXICO S.A. DE C.V. ("Obligor")**, have entered into an Asset Purchase Agreement dated the 25th, day of September, 2015, as the same may be amended, modified or supplemented from time to time in accordance with its terms (the "**Agreement**");

AND WHEREAS, the Obligor is a direct or indirect wholly-owned subsidiary or is otherwise an affiliate of the Guarantor;

AND WHEREAS, Beneficiary requires that Obligor furnish Beneficiary with adequate assurances, pursuant to the Agreement, of Obligor's ability to meet its financial and contractual obligation to Beneficiary which shall arise under the Agreement;

AND WHEREAS, Beneficiary has determined that such assurances would be satisfied, inter alia, in whole or in part, by the Guarantor guaranteeing the Obligor's financial and contractual obligations which shall arise under the Agreement;

AND WHEREAS, the Guarantor has agreed to guarantee the Obligor's financial and contractual obligations to Beneficiary under the Agreement;

NOW, THEREFORE, in consideration of Beneficiary entering into the Agreement with Obligor, and other good and valuable consideration, the receipt and sufficiency is hereby acknowledged, Guarantor agrees with Beneficiary as follows:

1. **Guarantee.** Guarantor unconditionally, absolutely and irrevocably guarantees to Beneficiary and its successors and permitted assigns subject only to the terms and conditions of this Guarantee, the punctual and completed observance and performance and discharge by the Guarantor of all of the obligations of the Obligor under the Agreement, including the payment when due and payable of all debts, payment obligations and liabilities, present or future, direct or indirect, absolute or contingent, matured or not, secured or unsecured, primary or secondary, at any time owing by Obligor to Beneficiary or remaining unpaid or unsatisfied by Obligor to Beneficiary incurred under, or arising out of, the Agreement, including any amounts for interest, costs, expenses, penalties and damages for which Obligor is liable pursuant to the Agreement, as further set forth herein (all such debts, obligations and liabilities are collectively referred to as the "**Guaranteed Obligations**").
2. **Costs.** Guarantor shall pay any and all out-of-pocket costs, including reasonable legal fees and other expenses incurred by Beneficiary in enforcing Guarantor's obligations under this Guarantee; provided that Guarantor shall not be liable for such expenses of Beneficiary if Beneficiary is not successful in such enforcement action. For greater certainty, the foregoing shall not include any costs associated with determining the quantum of the Guaranteed Obligations or with defences asserted by the Guarantor which the Obligor may have against the Beneficiary. This is a guarantee of payment and not of collection. This Guarantee is in addition to, and does not limit, any other guarantee of Guarantor.

3. **Liability as principal debtor.** Beneficiary may recover from Guarantor as a principal debtor any Guaranteed Obligations that Beneficiary may not recover from Guarantor as guarantor under Section 1, and Guarantor agrees to pay all such Guaranteed Obligations to Beneficiary as principal debtor. The provisions of this Guarantee shall apply generally with the necessary changes as to the points of detail to the liability of Guarantor as principal debtor hereunder.
4. **Guarantee absolute.** The liability of Guarantor is unconditional, absolute and irrevocable and shall remain in full force and effect without regard to, and shall not be released, suspended, discharged, impaired, terminated (subject to Section 12), limited or otherwise affected by, any circumstance or occurrence whatsoever (other than the payment or satisfaction in full of the Guaranteed Obligations), including:
 - (a) any action or inaction by Beneficiary as contemplated in Section 5;
 - (b) any change in the structure, form of entity, ownership or existence of Obligor, Guarantor or Beneficiary or any other change in the relationship between Obligor, Beneficiary or Guarantor;
 - (c) any change in the financial condition of Obligor, Guarantor or Beneficiary;
 - (d) the bankruptcy, winding-up, liquidation, dissolution, insolvency, reorganization or other similar proceeding affecting Obligor or its assets or any resulting release, stay or discharge of any Guaranteed Obligations;
 - (e) any law, regulation or other circumstance (including any act of government) that impacts Beneficiary's rights or recourses under this Guarantee or otherwise limits Beneficiary's ability to claim or enforce any of the Guaranteed Obligations;
 - (f) if the Obligor or the Guarantor, respectively, is a partnership, any change in the membership of the Obligor or the Guarantor through the death or retirement of one or more partners or the introduction of one or more partners or otherwise, any change in the constitution of the Obligor or the Guarantor, or any incorporation of the Obligor or the Guarantor; or
 - (g) any lack or limitation of power, incapacity or disability on the part of the Obligor or of its directors, partners or agents or any other irregularity, defect or informality on the part of the Obligor in the Guaranteed Obligations;

provided that the Guarantor reserves the right to assert any defences which the Obligor may have including any rights of setoff or counterclaim that Obligor may have against Beneficiary with respect to the payment of the Guaranteed Obligations other than any defences arising from the bankruptcy or insolvency of the Obligor or other defences expressly waived hereby.

5. **No release.** The liability of Guarantor is not released, suspended, discharged, impaired, terminated, limited or in any way affected by anything Beneficiary does, suffers or permits in connection with any duties or liabilities of Obligor to Beneficiary (other than the acceptance of the full payment or satisfaction in full of the Guaranteed Obligations) or any security for those duties or liabilities, including any loss of or in respect of any security received by Beneficiary from Obligor or others. Beneficiary may, at any time and from time to time, without the consent of or notice to Guarantor, and without impairing, releasing, discharging, limiting or otherwise affecting in whole or in part the obligations of Guarantor hereunder:

- (a) change the manner, place or terms of payment of, and/or exchange or extend the time of payment of, renew, amend, alter or terminate any of the Agreement, or the Guaranteed Obligations;
 - (b) sell, exchange, release, surrender, realize upon or otherwise deal with in any manner and in any order any assets securing the Guaranteed Obligations;
 - (c) exercise or refrain from exercising any rights against Obligor or others or otherwise act or refrain from acting;
 - (d) settle or compromise any of the Guaranteed Obligations, any security therefor or any liability (including any of those hereunder) incurred directly or indirectly in respect thereof or hereof;
 - (e) apply any sums, regardless of how realized, to any liability owing by Obligor to Beneficiary under or pursuant to the Agreement;
 - (f) consent to or waive any breach of, or any act, omission or default under the Agreement, or otherwise amend, modify, restate, amend and restate or supplement the Agreement;
 - (g) act or fail to act in any manner referred to in this Guarantee which may deprive Guarantor of any right against Obligor of the type described in Section 13 to recover any payments made pursuant to this Guarantee;
 - (h) release Obligor or any other party liable in any manner for payment of any or all of the Guaranteed Obligations;
 - (i) take or abstain from taking security or collateral from Obligor or from perfecting security or collateral of Obligor; and
 - (j) otherwise deal with Obligor and security as Beneficiary sees fit.
6. **No exhaustion of remedies.** Beneficiary is not bound or obliged to commence or exhaust its recourse against Obligor or any other persons or any security or collateral it may hold or take any other action before being entitled to demand payment from Guarantor.
7. **No set-off or counterclaim.** Subject to Section 14 and Section 4, payments under this Guarantee shall be made without set-off or counterclaim whatsoever and free of any deductions or withholdings.
8. **Continuing guarantee.** This Guarantee is a continuing guarantee and is binding as a continuing obligation of Guarantor. This Guarantee shall apply to any unsatisfied obligation, ultimate balance due or remaining due to Beneficiary, and Guarantor shall continue to be bound, despite the payment from time to time during the term of this Guarantee of the whole or any part of the Guaranteed Obligations owed by Obligor to Beneficiary. This Guarantee shall continue to be effective or shall be reinstated, as the case may be, if at any time payment of any of the Guaranteed Obligations is rendered unenforceable or is rescinded or must otherwise be returned by Beneficiary upon the occurrence of any action or event, including the bankruptcy, reorganization, winding-up, liquidation, dissolution or insolvency of Obligor or Guarantor, all as though such payment had not been made.

9. **Representations and warranties.** Guarantor represents and warrants to Beneficiary that:
- (a) Guarantor (i) is duly organized, validly existing and in good standing under the laws of the jurisdiction of its organization or formation; and (ii) has the power and authority to own its property and assets, to transact the business in which it is engaged, and to enter into and perform its obligations under this Guarantee;
 - (b) the execution, delivery, observance and performance of this Guarantee by Guarantor do not and will not conflict with or result in a breach of the articles, certificate, by-laws, or other organizational or formation documents of Guarantor, or of the terms or provisions of any judgment, law, decree, order, statute, rule, or regulation by which Guarantor or its assets are bound or to which Guarantor or its assets are subject;
 - (c) this Guarantee has been duly authorized, executed and delivered by Guarantor;
 - (d) this Guarantee constitutes a legal, valid and binding obligation of Guarantor enforceable against Guarantor in accordance with its terms except as enforceability may be limited by principles of equity, or by bankruptcy, insolvency, reorganization, moratorium or other similar laws; and
 - (e) this Guarantee reasonably may be expected to benefit Guarantor, either directly or indirectly (whether through an affiliation with Obligor or otherwise).
10. **Demand for payment.** If at any time the Obligor defaults in the payment or satisfaction of any of the Guaranteed Obligations in accordance with the Agreement, Guarantor shall perform, or pay to Beneficiary in immediately available funds, as applicable, within ten business days after receipt of written demand by Beneficiary, all Guaranteed Obligations then due under the Agreement. Guarantor shall perform all such obligations or make all such payments, as applicable, in accordance with the instructions set forth in such demand. There are no other requirements of notice, presentment or demand that are required to be made under this Guarantee. For greater certainty, no performance will be required and no payment will be required to be made under this Guarantee if the Obligor remedies its default under the Agreement within such ten business-day period.
11. **Stay of acceleration.** If acceleration of the time for payment of any amount payable by Obligor in respect of the Guaranteed Obligations is stayed on the insolvency, bankruptcy, arrangement or reorganization of Obligor or on any moratorium affecting the payment of the Guaranteed Obligations, Guarantor shall nonetheless pay immediately on demand all amounts that would otherwise be subject to acceleration.
12. **Termination.** This Guarantee is a continuing guarantee (as set out in Section 8), effective from and after the date hereof until the earliest to occur of the following events (the "**Expiry Date**"):
- (a) the date that all Guaranteed Obligations and any other amounts payable pursuant to this Guarantee have been fully satisfied; and
 - (b) the release or waiver in writing by Beneficiary of Guarantor from its obligations hereunder;

PROVIDED HOWEVER THAT, the Guarantor will continue to remain liable for any and all Guaranteed Obligations arising under the Agreement prior to the Expiry Date. In addition, the

termination of this Guarantee shall not affect Guarantor's liability for interest accruing as set forth in Section 19 on all Guaranteed Obligations for which Guarantor remains liable and shall not affect Guarantor's liability for legal fees, costs and other expenses incurred by Beneficiary in collecting such Guaranteed Obligations.

13. **Subordination and subrogation.** If and to the extent that Guarantor makes any payment to Beneficiary pursuant to this Guarantee, any claim which Guarantor may have against Obligor by reason thereof shall be subordinate to the payment in full of all of the Guaranteed Obligations. Guarantor agrees that if it exercises any rights that it may now have or hereafter acquire against Obligor that arise from the existence, payment, performance or enforcement of the Guaranteed Obligations under this Guarantee, including any right of subrogation, reimbursement, exoneration, contribution or indemnification and any right to participate in any claim or proceeding, or remedy of any other party against Obligor, it does so subject to the subordination set out herein and will account to the Obligor for any proceeds it receives therefrom until the payment in full of the Guaranteed Obligations.
14. **Liability for Taxes.** Any and all payments made by the Guarantor to Beneficiary shall be made in full, without set-off or counterclaim, and free and clear of and without deduction for any and all present and future taxes, liens, imposts, stamp taxes, deductions, charges or withholdings, and all liabilities with respect thereto and any interest, additions to tax and penalties imposed with respect thereto. If the Guarantor shall be required by law to deduct any taxes, deductions, charges or withholdings from or in respect of any sum payable hereunder to Beneficiary (i) the sum payable shall be increased as may be necessary so that after making all required deductions (including deductions applicable to additional sums payable under this Section 14) Beneficiary receives an amount equal to the sum it would have received had no such deductions been made; and (ii) the Guarantor shall pay the full amount deducted to the relevant taxation authority or other authority in accordance with applicable law.
15. **Waivers.** Guarantor waives diligence, presentment, protest, notice of acceptance of this Guarantee and notice of any liability to which it may apply, notice of dishonour or non-payment, and any other notice not expressly required by this Guarantee.
16. **No merger.** Neither an action or proceeding brought under this Guarantee regarding the Guaranteed Obligations nor any judgment or recovery in consequence of that action or proceeding operates as a bar or defense to any further action or proceeding that may be brought under this Guarantee. Any action, proceeding, judgment or recovery does not constitute a merger of any of Beneficiary's rights or remedies under this Guarantee. Any judgment obtained by Beneficiary in whole or in part of any of the Guaranteed Obligations under this Guarantee does not constitute a merger of this Guarantee into that judgment.
17. **Foreign currency obligations.** Guarantor shall make payment under this Guarantee in the currency (the "**Original Currency**") in which the Obligor is required to pay its Guaranteed Obligations. If Guarantor makes payment in a currency other than Original Currency (whether voluntarily or under an order or judgment of a court or tribunal of any jurisdiction), the payment constitutes a discharge of Guarantor's liability only to the extent of the amount of Original Currency that Beneficiary is able to purchase with the amount of the currency it receives on the date of receipt utilizing Beneficiary's customary foreign exchange practices as in effect on such date. Guarantor agrees to indemnify and hold harmless Beneficiary from and against any loss arising out of any currency-related deficiency in payment. This indemnity constitutes a separate and independent obligation giving rise to a separate cause of action. A certificate of an officer of

Beneficiary certifying any deficiency or loss is, in the absence of manifest error, prima facie evidence of that deficiency or loss.

18. **Benefit of the Guarantee.** Subject to the terms of Section 26, this Guarantee shall be binding upon Guarantor and its successors and permitted assigns and shall enure to the benefit of and be enforceable by Beneficiary and its successors and permitted assigns and shall apply to Obligor and its successors and assigns.
19. **Interest.** Guarantor shall pay to Beneficiary interest on the unpaid portion of the Guaranteed Obligations at the United States Prime Lending Rate (as listed in the Eastern print edition of the Wall Street Journal Prime Rate) plus 4% calculated monthly and not compounded from but excluding the date such unpaid portion is due to and including the date such unpaid portion is paid.
20. **Entire agreement.** This Guarantee represents the entire rights and obligations of the parties pertaining to the subject matter hereof and supersedes all prior oral or written agreements, representations and understandings pertaining hereto.
21. **No waiver, remedies.** No failure or delay on the part of Beneficiary in exercising any right, power or privilege under this Guarantee and no course of dealing between Guarantor or Beneficiary shall operate as a waiver thereof, nor shall any single or partial exercise of any right, power or privilege under this Guarantee preclude any other or further exercise thereof or any other right, power or privilege. The rights, powers or remedies in this Guarantee are cumulative and not exclusive of any rights, powers or remedies which Beneficiary would otherwise have.
22. **Further Assurances.** Guarantor agrees to promptly execute and deliver to Beneficiary, whenever and as often as reasonably requested by Beneficiary, any further instruments as Beneficiary reasonably determines, based on the written opinion of legal counsel, is necessary on account of any change of law or regulation (including any act of government) to confirm the continuing nature and extent of this Guarantee. Any such request for further assurances or consents will include such supporting documentation as is reasonably required.
23. **Amendments.** No amendment or waiver of any provision of this Guarantee nor consent to any departure by Guarantor therefrom shall in any event be effective unless the same shall be in writing and signed (i) in the case of an amendment, by Guarantor and Beneficiary, and (ii) in the case of a waiver or consent, by Beneficiary, and then such waiver or consent shall be effective only in the specific instance and for the specific purpose for which given.
24. **Severability.** If any provision of this Guarantee is determined to be invalid or unenforceable in whole or in part, such invalidity or unenforceability will apply only to that provision and all other provisions of this Guarantee will continue in full force and effect as if such invalid or unenforceable provision were omitted. The invalidity or unenforceability of any provision in one jurisdiction shall not affect such provisions validity or enforceability in any other jurisdiction.
25. **Notices.** All notices and other communications hereunder shall be in writing and may be given in any manner described below (except that a demand notice may not be given by facsimile or electronic transmission) to the address, electronic address (read receipt required) or facsimile number set forth below or at such other address, electronic address or facsimile number for a party as shall be designated in a written notice by such party to the other party and will be deemed effective as indicated:

- (a) if delivered in person or by courier, on the date it is delivered;
- (b) if sent by mail, registered or certified, postage prepaid and return receipt requested, on the date it is delivered; or
- (c) if sent by facsimile or electronic transmission, on the date it is received by the recipient in legible form,

unless the date of delivery or receipt, as applicable, is not a local business day or that communication is delivered or received, as applicable, after the close of business on a local business day, in which case that communication will be deemed given and effective on the first following day that is a local business day:

If to Guarantor, to:

Simmons Edeco Inc.

Suite 500 Mount Royal Place
1414-8 Avenue SW
Calgary, Alberta, Canada
T2R-1J6

If to Beneficiary, to:

Calmena Energy Services De Mexico S. De R.L.

De C.V.,
c/o Ernst and Young Inc.
1000, 440-2nd Avenue S.W.
Calgary, Alberta T2P-5E9

If to Obligor, to:

Simmons Edeco Mexico S.A. De C.V.

Suite 500 Mount Royal Place
1414-8 Avenue SW
Calgary, Alberta, Canada
T2R-1J6

- 26. **Assignment.** Guarantor may not assign its obligations under this Guarantee in part or in whole without the prior written consent of Beneficiary, and any purported assignment or delegation without such consent shall be null, void and of no effect.
- 27. **Governing law.** This Guarantee is governed by and to be construed according to the laws applicable in the Province of Alberta without giving effect to any choice or conflict of law rules or provisions that would require the application of the laws of another jurisdiction.
- 28. **Limitation Periods.** To the extent that any limitation period applies to any claim for payment of the Guaranteed Obligations or remedy for enforcement of the Guaranteed Obligations, the Guarantor agrees that:
 - (a) any applicable limitation period shall not begin before an express demand for payment of the Guaranteed Obligations is made in writing by the Beneficiary to the Guarantor; and
 - (b) any applicable limitation period shall begin afresh upon any payment or other acknowledgment of the Guaranteed Obligations by the Guarantor.
- 29. **Headings, section references, use of term "including".** The headings contained in this Guarantee are for reference purposes only and shall not affect the meaning or interpretation of this Guarantee. Unless the context indicates otherwise, all references in this Guarantee to sections shall refer to the corresponding section of this Guarantee. The use of the word "include"

or "including" shall be deemed to mean "include, without limitation", or "including, without limitation", as applicable

30. **No *Contra Proferentum*.** This Guarantee has been negotiated by the Guarantor and the Beneficiary with the benefit of legal representation, and any rule of construction to the effect that ambiguities are to be resolved against the drafting party shall not apply to the construction or interpretation of this Guarantee.
31. **Facsimile signature, counterparts.** A signature delivered by facsimile or by any other reliable electronic transmission shall be deemed to be an original signature for purposes of the Guarantee and shall be binding upon Guarantor as an original signature. Notwithstanding that the parties may deliver a signature by facsimile or by any other reliable electronic transmission, Guarantor covenants to deliver an originally executed counterpart of this Guarantee to Beneficiary within a reasonable period of time after executing the Guarantee. This Guarantee may be executed in counterparts, each of which shall be deemed an original but which together will constitute one and the same instrument.

[Execution page follows]

IN WITNESS WHEREOF, Guarantor and Beneficiary have signed and delivered this Guarantee to be effective as of the date first-above written.

SIMMONS EDECO INC.

Per: 
Name: Victor Redekop
Title: Director

Per: 
Name: David Groushan
Title: Director

**CALMENA ENERGY SERVICES DE MEXICO S.
DE R.L. DE C.V.,**

Per: _____
Name: _____

IN WITNESS WHEREOF, Guarantor and Beneficiary have signed and delivered this Guarantee to be effective as of the date first-above written.

SIMMONS EDECO INC.

Per: _____
Name: _____
Title: _____

Per: _____
Name: _____
Title: _____

**CALMENA ENERGY SERVICES DE MEXICO S.
DE R.L. DE C.V.,**

Per: KWalleck
Name: Kevin Deric Walleck

GUARANTEE

This Guarantee dated 25th day of September, 2015, is made by **SIMMONS EDECO INC.**, ("**Guarantor**") in favour of **BW SERVICES LUXEMBOURG S.A.R.L.**, an Luxembourg Corporation ("**Beneficiary**").

WHEREAS, Beneficiary and **SE RIG EQUIPMENT COMPANY S.A DE C.V. ("Obligor")**, have entered into an Asset Purchase Agreement dated the 25 th, day of September, 2015, as the same may be amended, modified or supplemented from time to time in accordance with its terms (the "**Agreement**");

AND WHEREAS, the Obligor is a direct or indirect wholly-owned subsidiary or is otherwise an affiliate of the Guarantor;

AND WHEREAS, Beneficiary requires that Obligor furnish Beneficiary with adequate assurances, pursuant to the Agreement, of Obligor's ability to meet its financial and contractual obligation to Beneficiary which shall arise under the Agreement;

AND WHEREAS, Beneficiary has determined that such assurances would be satisfied, inter alia, in whole or in part, by the Guarantor guaranteeing the Obligor's financial and contractual obligations which shall arise under the Agreement;

AND WHEREAS, the Guarantor has agreed to guarantee the Obligor's financial and contractual obligations to Beneficiary under the Agreement;

NOW, THEREFORE, in consideration of Beneficiary entering into the Agreement with Obligor, and other good and valuable consideration, the receipt and sufficiency is hereby acknowledged, Guarantor agrees with Beneficiary as follows:

1. **Guarantee.** Guarantor unconditionally, absolutely and irrevocably guarantees to Beneficiary and its successors and permitted assigns subject only to the terms and conditions of this Guarantee, the punctual and completed observance and performance and discharge by the Guarantor of all of the obligations of the Obligor under the Agreement, including the payment when due and payable of all debts, payment obligations and liabilities, present or future, direct or indirect, absolute or contingent, matured or not, secured or unsecured, primary or secondary, at any time owing by Obligor to Beneficiary or remaining unpaid or unsatisfied by Obligor to Beneficiary incurred under, or arising out of, the Agreement, including any amounts for interest, costs, expenses, penalties and damages for which Obligor is liable pursuant to the Agreement, as further set forth herein (all such debts, obligations and liabilities are collectively referred to as the "**Guaranteed Obligations**").
2. **Costs.** Guarantor shall pay any and all out-of-pocket costs, including reasonable legal fees and other expenses incurred by Beneficiary in enforcing Guarantor's obligations under this Guarantee; provided that Guarantor shall not be liable for such expenses of Beneficiary if Beneficiary is not successful in such enforcement action. For greater certainty, the foregoing shall not include any costs associated with determining the quantum of the Guaranteed Obligations or with defences asserted by the Guarantor which the Obligor may have against the Beneficiary. This is a guarantee of payment and not of collection. This Guarantee is in addition to, and does not limit, any other guarantee of Guarantor.

3. **Liability as principal debtor.** Beneficiary may recover from Guarantor as a principal debtor any Guaranteed Obligations that Beneficiary may not recover from Guarantor as guarantor under Section 1, and Guarantor agrees to pay all such Guaranteed Obligations to Beneficiary as principal debtor. The provisions of this Guarantee shall apply generally with the necessary changes as to the points of detail to the liability of Guarantor as principal debtor hereunder.
4. **Guarantee absolute.** The liability of Guarantor is unconditional, absolute and irrevocable and shall remain in full force and effect without regard to, and shall not be released, suspended, discharged, impaired, terminated (subject to Section 12), limited or otherwise affected by, any circumstance or occurrence whatsoever (other than the payment or satisfaction in full of the Guaranteed Obligations), including:
 - (a) any action or inaction by Beneficiary as contemplated in Section 5;
 - (b) any change in the structure, form of entity, ownership or existence of Obligor, Guarantor or Beneficiary or any other change in the relationship between Obligor, Beneficiary or Guarantor;
 - (c) any change in the financial condition of Obligor, Guarantor or Beneficiary;
 - (d) the bankruptcy, winding-up, liquidation, dissolution, insolvency, reorganization or other similar proceeding affecting Obligor or its assets or any resulting release, stay or discharge of any Guaranteed Obligations;
 - (e) any law, regulation or other circumstance (including any act of government) that impacts Beneficiary's rights or recourses under this Guarantee or otherwise limits Beneficiary's ability to claim or enforce any of the Guaranteed Obligations;
 - (f) if the Obligor or the Guarantor, respectively, is a partnership, any change in the membership of the Obligor or the Guarantor through the death or retirement of one or more partners or the introduction of one or more partners or otherwise, any change in the constitution of the Obligor or the Guarantor, or any incorporation of the Obligor or the Guarantor; or
 - (g) any lack or limitation of power, incapacity or disability on the part of the Obligor or of its directors, partners or agents or any other irregularity, defect or informality on the part of the Obligor in the Guaranteed Obligations;

provided that the Guarantor reserves the right to assert any defences which the Obligor may have including any rights of setoff or counterclaim that Obligor may have against Beneficiary with respect to the payment of the Guaranteed Obligations other than any defences arising from the bankruptcy or insolvency of the Obligor or other defences expressly waived hereby.

5. **No release.** The liability of Guarantor is not released, suspended, discharged, impaired, terminated, limited or in any way affected by anything Beneficiary does, suffers or permits in connection with any duties or liabilities of Obligor to Beneficiary (other than the acceptance of the full payment or satisfaction in full of the Guaranteed Obligations) or any security for those duties or liabilities, including any loss of or in respect of any security received by Beneficiary from Obligor or others. Beneficiary may, at any time and from time to time, without the consent of or notice to Guarantor, and without impairing, releasing, discharging, limiting or otherwise affecting in whole or in part the obligations of Guarantor hereunder:

- (a) change the manner, place or terms of payment of, and/or exchange or extend the time of payment of, renew, amend, alter or terminate any of the Agreement, or the Guaranteed Obligations;
 - (b) sell, exchange, release, surrender, realize upon or otherwise deal with in any manner and in any order any assets securing the Guaranteed Obligations;
 - (c) exercise or refrain from exercising any rights against Obligor or others or otherwise act or refrain from acting;
 - (d) settle or compromise any of the Guaranteed Obligations, any security therefor or any liability (including any of those hereunder) incurred directly or indirectly in respect thereof or hereof;
 - (e) apply any sums, regardless of how realized, to any liability owing by Obligor to Beneficiary under or pursuant to the Agreement;
 - (f) consent to or waive any breach of, or any act, omission or default under the Agreement, or otherwise amend, modify, restate, amend and restate or supplement the Agreement;
 - (g) act or fail to act in any manner referred to in this Guarantee which may deprive Guarantor of any right against Obligor of the type described in Section 13 to recover any payments made pursuant to this Guarantee;
 - (h) release Obligor or any other party liable in any manner for payment of any or all of the Guaranteed Obligations;
 - (i) take or abstain from taking security or collateral from Obligor or from perfecting security or collateral of Obligor; and
 - (j) otherwise deal with Obligor and security as Beneficiary sees fit.
6. **No exhaustion of remedies.** Beneficiary is not bound or obliged to commence or exhaust its recourse against Obligor or any other persons or any security or collateral it may hold or take any other action before being entitled to demand payment from Guarantor.
7. **No set-off or counterclaim.** Subject to Section 14 and Section 4, payments under this Guarantee shall be made without set-off or counterclaim whatsoever and free of any deductions or withholdings.
8. **Continuing guarantee.** This Guarantee is a continuing guarantee and is binding as a continuing obligation of Guarantor. This Guarantee shall apply to any unsatisfied obligation, ultimate balance due or remaining due to Beneficiary, and Guarantor shall continue to be bound, despite the payment from time to time during the term of this Guarantee of the whole or any part of the Guaranteed Obligations owed by Obligor to Beneficiary. This Guarantee shall continue to be effective or shall be reinstated, as the case may be, if at any time payment of any of the Guaranteed Obligations is rendered unenforceable or is rescinded or must otherwise be returned by Beneficiary upon the occurrence of any action or event, including the bankruptcy, reorganization, winding-up, liquidation, dissolution or insolvency of Obligor or Guarantor, all as though such payment had not been made.

9. **Representations and warranties.** Guarantor represents and warrants to Beneficiary that:
- (a) Guarantor (i) is duly organized, validly existing and in good standing under the laws of the jurisdiction of its organization or formation; and (ii) has the power and authority to own its property and assets, to transact the business in which it is engaged, and to enter into and perform its obligations under this Guarantee;
 - (b) the execution, delivery, observance and performance of this Guarantee by Guarantor do not and will not conflict with or result in a breach of the articles, certificate, by-laws, or other organizational or formation documents of Guarantor, or of the terms or provisions of any judgment, law, decree, order, statute, rule, or regulation by which Guarantor or its assets are bound or to which Guarantor or its assets are subject;
 - (c) this Guarantee has been duly authorized, executed and delivered by Guarantor;
 - (d) this Guarantee constitutes a legal, valid and binding obligation of Guarantor enforceable against Guarantor in accordance with its terms except as enforceability may be limited by principles of equity, or by bankruptcy, insolvency, reorganization, moratorium or other similar laws; and
 - (e) this Guarantee reasonably may be expected to benefit Guarantor, either directly or indirectly (whether through an affiliation with Obligor or otherwise).
10. **Demand for payment.** If at any time the Obligor defaults in the payment or satisfaction of any of the Guaranteed Obligations in accordance with the Agreement, Guarantor shall perform, or pay to Beneficiary in immediately available funds, as applicable, within ten business days after receipt of written demand by Beneficiary, all Guaranteed Obligations then due under the Agreement. Guarantor shall perform all such obligations or make all such payments, as applicable, in accordance with the instructions set forth in such demand. There are no other requirements of notice, presentment or demand that are required to be made under this Guarantee. For greater certainty, no performance will be required and no payment will be required to be made under this Guarantee if the Obligor remedies its default under the Agreement within such ten business-day period.
11. **Stay of acceleration.** If acceleration of the time for payment of any amount payable by Obligor in respect of the Guaranteed Obligations is stayed on the insolvency, bankruptcy, arrangement or reorganization of Obligor or on any moratorium affecting the payment of the Guaranteed Obligations, Guarantor shall nonetheless pay immediately on demand all amounts that would otherwise be subject to acceleration.
12. **Termination.** This Guarantee is a continuing guarantee (as set out in Section 8), effective from and after the date hereof until the earliest to occur of the following events (the "**Expiry Date**"):
- (a) the date that all Guaranteed Obligations and any other amounts payable pursuant to this Guarantee have been fully satisfied; and
 - (b) the release or waiver in writing by Beneficiary of Guarantor from its obligations hereunder;

PROVIDED HOWEVER THAT, the Guarantor will continue to remain liable for any and all Guaranteed Obligations arising under the Agreement prior to the Expiry Date. In addition, the

termination of this Guarantee shall not affect Guarantor's liability for interest accruing as set forth in Section 19 on all Guaranteed Obligations for which Guarantor remains liable and shall not affect Guarantor's liability for legal fees, costs and other expenses incurred by Beneficiary in collecting such Guaranteed Obligations.

13. **Subordination and subrogation.** If and to the extent that Guarantor makes any payment to Beneficiary pursuant to this Guarantee, any claim which Guarantor may have against Obligor by reason thereof shall be subordinate to the payment in full of all of the Guaranteed Obligations. Guarantor agrees that if it exercises any rights that it may now have or hereafter acquire against Obligor that arise from the existence, payment, performance or enforcement of the Guaranteed Obligations under this Guarantee, including any right of subrogation, reimbursement, exoneration, contribution or indemnification and any right to participate in any claim or proceeding, or remedy of any other party against Obligor, it does so subject to the subordination set out herein and will account to the Obligor for any proceeds it receives therefrom until the payment in full of the Guaranteed Obligations.
14. **Liability for Taxes.** Any and all payments made by the Guarantor to Beneficiary shall be made in full, without set-off or counterclaim, and free and clear of and without deduction for any and all present and future taxes, liens, imposts, stamp taxes, deductions, charges or withholdings, and all liabilities with respect thereto and any interest, additions to tax and penalties imposed with respect thereto. If the Guarantor shall be required by law to deduct any taxes, deductions, charges or withholdings from or in respect of any sum payable hereunder to Beneficiary (i) the sum payable shall be increased as may be necessary so that after making all required deductions (including deductions applicable to additional sums payable under this Section 14) Beneficiary receives an amount equal to the sum it would have received had no such deductions been made; and (ii) the Guarantor shall pay the full amount deducted to the relevant taxation authority or other authority in accordance with applicable law.
15. **Waivers.** Guarantor waives diligence, presentment, protest, notice of acceptance of this Guarantee and notice of any liability to which it may apply, notice of dishonour or non-payment, and any other notice not expressly required by this Guarantee.
16. **No merger.** Neither an action or proceeding brought under this Guarantee regarding the Guaranteed Obligations nor any judgment or recovery in consequence of that action or proceeding operates as a bar or defense to any further action or proceeding that may be brought under this Guarantee. Any action, proceeding, judgment or recovery does not constitute a merger of any of Beneficiary's rights or remedies under this Guarantee. Any judgment obtained by Beneficiary in whole or in part of any of the Guaranteed Obligations under this Guarantee does not constitute a merger of this Guarantee into that judgment.
17. **Foreign currency obligations.** Guarantor shall make payment under this Guarantee in the currency (the "**Original Currency**") in which the Obligor is required to pay its Guaranteed Obligations. If Guarantor makes payment in a currency other than Original Currency (whether voluntarily or under an order or judgment of a court or tribunal of any jurisdiction), the payment constitutes a discharge of Guarantor's liability only to the extent of the amount of Original Currency that Beneficiary is able to purchase with the amount of the currency it receives on the date of receipt utilizing Beneficiary's customary foreign exchange practices as in effect on such date. Guarantor agrees to indemnify and hold harmless Beneficiary from and against any loss arising out of any currency-related deficiency in payment. This indemnity constitutes a separate and independent obligation giving rise to a separate cause of action. A certificate of an officer of

Beneficiary certifying any deficiency or loss is, in the absence of manifest error, prima facie evidence of that deficiency or loss.

18. **Benefit of the Guarantee.** Subject to the terms of Section 26, this Guarantee shall be binding upon Guarantor and its successors and permitted assigns and shall enure to the benefit of and be enforceable by Beneficiary and its successors and permitted assigns and shall apply to Obligor and its successors and assigns.
19. **Interest.** Guarantor shall pay to Beneficiary interest on the unpaid portion of the Guaranteed Obligations at the United States Prime Lending Rate (as listed in the Eastern print edition of the Wall Street Journal Prime Rate) plus 4% calculated monthly and not compounded from but excluding the date such unpaid portion is due to and including the date such unpaid portion is paid.
20. **Entire agreement.** This Guarantee represents the entire rights and obligations of the parties pertaining to the subject matter hereof and supersedes all prior oral or written agreements, representations and understandings pertaining hereto.
21. **No waiver, remedies.** No failure or delay on the part of Beneficiary in exercising any right, power or privilege under this Guarantee and no course of dealing between Guarantor or Beneficiary shall operate as a waiver thereof, nor shall any single or partial exercise of any right, power or privilege under this Guarantee preclude any other or further exercise thereof or any other right, power or privilege. The rights, powers or remedies in this Guarantee are cumulative and not exclusive of any rights, powers or remedies which Beneficiary would otherwise have.
22. **Further Assurances.** Guarantor agrees to promptly execute and deliver to Beneficiary, whenever and as often as reasonably requested by Beneficiary, any further instruments as Beneficiary reasonably determines, based on the written opinion of legal counsel, is necessary on account of any change of law or regulation (including any act of government) to confirm the continuing nature and extent of this Guarantee. Any such request for further assurances or consents will include such supporting documentation as is reasonably required.
23. **Amendments.** No amendment or waiver of any provision of this Guarantee nor consent to any departure by Guarantor therefrom shall in any event be effective unless the same shall be in writing and signed (i) in the case of an amendment, by Guarantor and Beneficiary, and (ii) in the case of a waiver or consent, by Beneficiary, and then such waiver or consent shall be effective only in the specific instance and for the specific purpose for which given.
24. **Severability.** If any provision of this Guarantee is determined to be invalid or unenforceable in whole or in part, such invalidity or unenforceability will apply only to that provision and all other provisions of this Guarantee will continue in full force and effect as if such invalid or unenforceable provision were omitted. The invalidity or unenforceability of any provision in one jurisdiction shall not affect such provisions validity or enforceability in any other jurisdiction.
25. **Notices.** All notices and other communications hereunder shall be in writing and may be given in any manner described below (except that a demand notice may not be given by facsimile or electronic transmission) to the address, electronic address (read receipt required) or facsimile number set forth below or at such other address, electronic address or facsimile number for a party as shall be designated in a written notice by such party to the other party and will be deemed effective as indicated:

- (a) if delivered in person or by courier, on the date it is delivered;
- (b) if sent by mail, registered or certified, postage prepaid and return receipt requested, on the date it is delivered; or
- (c) if sent by facsimile or electronic transmission, on the date it is received by the recipient in legible form,

unless the date of delivery or receipt, as applicable, is not a local business day or that communication is delivered or received, as applicable, after the close of business on a local business day, in which case that communication will be deemed given and effective on the first following day that is a local business day:

If to Guarantor, to:
Simmons Edeco Inc.
Suite 500 Mount Royal Place
1414-8 Avenue SW
Calgary, Alberta, Canada
T2R-1J6

If to Beneficiary, to:
BW Services Luxembourg S.A.R.L.,
c/o Ernst and Young Inc.
1000, 440-2nd Avenue S.W.
Calgary, Alberta T2P-5E9

If to Obligor, to:
SE Rig Equipment Company S.A De C.V.
Suite 500 Mount Royal Place
1414-8 Avenue SW
Calgary, Alberta, Canada
T2R-1J6

- 26. **Assignment.** Guarantor may not assign its obligations under this Guarantee in part or in whole without the prior written consent of Beneficiary, and any purported assignment or delegation without such consent shall be null, void and of no effect.
- 27. **Governing law.** This Guarantee is governed by and to be construed according to the laws applicable in the Province of Alberta without giving effect to any choice or conflict of law rules or provisions that would require the application of the laws of another jurisdiction.
- 28. **Limitation Periods.** To the extent that any limitation period applies to any claim for payment of the Guaranteed Obligations or remedy for enforcement of the Guaranteed Obligations, the Guarantor agrees that:
 - (a) any applicable limitation period shall not begin before an express demand for payment of the Guaranteed Obligations is made in writing by the Beneficiary to the Guarantor; and
 - (b) any applicable limitation period shall begin afresh upon any payment or other acknowledgment of the Guaranteed Obligations by the Guarantor.
- 29. **Headings, section references, use of term "including".** The headings contained in this Guarantee are for reference purposes only and shall not affect the meaning or interpretation of this Guarantee. Unless the context indicates otherwise, all references in this Guarantee to sections shall refer to the corresponding section of this Guarantee. The use of the word "include"

or "including" shall be deemed to mean "include, without limitation", or "including, without limitation", as applicable

30. **No *Contra Proferentum*.** This Guarantee has been negotiated by the Guarantor and the Beneficiary with the benefit of legal representation, and any rule of construction to the effect that ambiguities are to be resolved against the drafting party shall not apply to the construction or interpretation of this Guarantee.
31. **Facsimile signature, counterparts.** A signature delivered by facsimile or by any other reliable electronic transmission shall be deemed to be an original signature for purposes of the Guarantee and shall be binding upon Guarantor as an original signature. Notwithstanding that the parties may deliver a signature by facsimile or by any other reliable electronic transmission, Guarantor covenants to deliver an originally executed counterpart of this Guarantee to Beneficiary within a reasonable period of time after executing the Guarantee. This Guarantee may be executed in counterparts, each of which shall be deemed an original but which together will constitute one and the same instrument.

[Execution page follows]

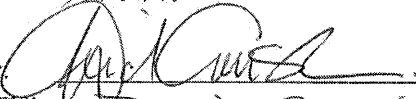
IN WITNESS WHEREOF, Guarantor and Beneficiary have signed and delivered this Guarantee to be effective as of the date first-above written.

SIMMONS EDECO INC.

Per: 

Name: Victor Redekop

Title: Director

Per: 

Name: David Crowshaw

Title: Director

BW SERVICES LUXEMBOURG S.A.R.L.

Per: _____

Name: _____

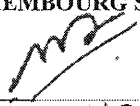
IN WITNESS WHEREOF, Guarantor and Beneficiary have signed and delivered this Guarantee to be effective as of the date first-above written.

SIMMONS EDECO INC.

Per: _____
Name: _____
Title: _____

Per: _____
Name: _____
Title: _____

BW SERVICES LUXEMBOURG S.A.R.L.

Per: _____
Name:  _____
 Margot ALO

Q

CLOSING CONDITIONS AGREEMENT dated September 25, 2015

BETWEEN:

CALMENA ENERGY SERVICES DE MEXICO S. DE R.L. DE C.V., a corporation
subsisting under the laws of Mexico (the "**Calmena Mexico**")

-and-

BW SERVICES LUXEMBOURG S.A.R.L. a private limited liability company (*société à responsabilité limitée*) duly incorporated and validly existing under the laws of the Grand Duchy of Luxembourg with its registered office at 14, rue de Edward Steichen, L-2540 Luxembourg, with a share capital of USD 40,000 and registered with the Luxembourg trade and companies register under number B 173.595 (the "**BW Services**")

OF THE FIRST PART

- and -

SIMMONS EDECO MEXICO S.A. DE C.V. a corporation subsisting under the laws of Mexico,
(the "**Simmons Edeco Mexico**")

- and -

SE RIG EQUIPMENT COMPANY S.A DE C.V. a corporation subsisting under the laws of Mexico,
(the "**SE Rig**")

OF THE SECOND PART

(Calmena Mexico and BW Services collectively referred to as the "**Calmena Vendors**"; Simmons Edeco Mexico and SE Rig collectively referred to as the "**Simmons Purchasers**"; the Calmena Vendors and the Simmons Purchasers are each individually a "**Party**" and collectively referred to as the "**Parties**")

WHEREAS:

- A. Calmena Mexico and Simmons Edeco Mexico are parties to an Asset Purchase Agreement dated as of the date hereof (the "**Purchased Contract Agreement**");
- B. BW Services and SE Rig are parties to an Asset Purchase Agreement dated as of the date hereof (the "**Equipment Agreement**");
- C. The closing of the transactions contemplated under the Purchased Contract Agreement is subject to certain conditions for the benefit of Calmena Mexico and the closing of the transactions contemplated under the Equipment Agreement is subject to certain conditions for the benefit of BW Services; and
- D. The Parties wish to provide for the concurrent closings under the Purchased Contract Agreement, the Equipment Agreement, and a separate agreement between BW Services and Simmons Edeco Inc. ("**SEI**") dated as of the date hereof (the "**Texas Agreement**");

NOW THEREFORE this Closing Conditions Agreement witnesses that in consideration of the mutual covenants and agreements contained herein, and for other good and valuable consideration, the receipt and sufficiency of which are acknowledged by each Party to the other, the Parties agree as follows:

ARTICLE 1

1.1 Closing

- (a) The Parties agree that the Transaction contemplated by the Purchased Contract Agreement and the Transaction contemplated by the Equipment Agreement shall close on the Closing Date as defined in the Texas Agreement, and the Parties shall make such amendments to the Purchased Contract Agreement and the Equipment Agreement, if necessary, to provide that the Closing Date (as defined in the Purchased Contract Agreement) and the Closing Date (as defined in the Equipment Agreement) shall be the same date as the Closing Date (as defined in the Texas Agreement).
- (b) The Parties agree that
 - (i) Calmena Mexico and Simmons Edeco Mexico shall not complete the Closing (as defined in the Purchased Contract Agreement) unless (i) all of the conditions to closing for the benefit of SEI and BW Services pursuant to Article 7 of the Texas Agreement will have been waived or satisfied in the manner and within the time provided therein, the Closing (as defined in the Texas Agreement) will be completed concurrently and contemporaneously with the Closing (as defined in the Purchased Contract Agreement) and the Texas Agreement has not been terminated, and (ii) all of the conditions to closing for the benefit of SE Rig and BW Services pursuant to Article 7 of the Equipment Agreement will have been waived or satisfied in the manner and within the time provided therein, the Closing (as defined in the Equipment Agreement) will be completed concurrently and contemporaneously with the Closing (as defined in the Purchased Contract Agreement) and the Equipment Agreement has not been terminated; and
 - (ii) BW Services and SE Rig shall not complete the Closing (as defined in the Equipment Agreement) unless (i) all of the conditions to closing for the benefit of SEI and BW Services pursuant to Article 7 of the Texas Agreement will have been waived or satisfied in the manner and within the time provided therein, the Closing (as defined in the Texas Agreement) will be completed concurrently and contemporaneously with the Closing (as defined in the Equipment Agreement) and the Texas Agreement has not been terminated, and (ii) all of the conditions to closing for the benefit of Simmons Edeco Mexico and Calmena Mexico pursuant to Article 7 of the Purchased Contract Agreement will have been waived or satisfied in the manner and within the time provided therein, the Closing (as defined in the Purchased Contract Agreement) will be completed concurrently and contemporaneously with the Closing (as defined in the Equipment Agreement) and the Purchased Contract Agreement has not been terminated.
- (c) If closing of the Purchased Contract Agreement or the Equipment Agreement is not completed as a result of Article 1.1(b), unless otherwise agreed by the Parties, the Parties shall terminate the Purchased Contract Agreement and the Equipment Agreement concurrently with the termination of the Texas Agreement. The Parties acknowledge and agree that if closing of the Purchased Contract Agreement or the Equipment Agreement is not completed as a result of Article 1.1(b), such failure to close shall not be considered a failure to close for failure to satisfy or waive conditions under Article 7.2(c) or 7.3(c) of the Texas Agreement.

ARTICLE 2 MISCELLANEOUS

2.1 Governing Law

This Closing Conditions Agreement shall be governed by and construed in accordance with the laws of the Province of Alberta and the federal laws applicable therein (excluding any conflict of law rule or principle of such laws that might refer such interpretation or enforcement to the laws of another jurisdiction). Each Party irrevocably submits to

the exclusive jurisdiction of the Alberta Court of Queen's Bench with respect to any matter arising hereunder or relating hereto.

2.2 Damages

Under no circumstance shall any of the Parties, or their respective directors, officers, employees or agents be liable for any punitive, exemplary, consequential or indirect damages (including for greater certainty, any loss of profits) that may be alleged to result, in connection with, arising out of, or relating to this Closing Conditions Agreement.

2.3 Further Assurances

Each of the Parties hereto from and after the date hereof shall, from time to time, and at the request and expense of the Party requesting the same, do all such further acts and things and execute and deliver such further instruments, documents, matters, papers and assurances as may be reasonably requested for more effectually carrying out the true intent and meaning of this Closing Conditions Agreement.

2.4 No Assignment

No Party may assign this Closing Conditions Agreement without the prior written consent of the other Parties.

2.5 Waiver

No failure on the part of any Party in exercising any right or remedy hereunder shall operate as a waiver thereof, nor shall any single or partial exercise of any such right or remedy preclude any other or further exercise thereof or the exercise of any right or remedy in law or in equity or by statute or otherwise conferred. No waiver by any Party of any breach (whether actual or anticipated) of any of the terms, conditions, representations or warranties contained herein shall take effect or be binding upon that Party unless the waiver is expressed in writing under the authority of that Party. Any waiver so given shall extend only to the particular breach so waived and shall not limit or affect any rights with respect to any other or future breach.

2.6 Amendment

This Closing Conditions Agreement shall not be varied in its terms or amended by oral agreement or by representations or otherwise other than by an instrument in writing dated subsequent to the date hereof, executed by a duly authorized representative of each Party.

2.7 Time of the Essence

Time is of the essence in this Closing Conditions Agreement.

2.8 Enurement

This Closing Conditions Agreement is binding upon, and enures to the benefit of, the Parties and their respective successors and permitted assigns.

2.9 Conflict

If any provision of the Texas Agreement, the Equipment Agreement or the Purchased Contract Agreement conflicts with or is at variance with any provision in the body of this Closing Conditions Agreement, the provisions in this Closing Conditions Agreement shall prevail to the extent of the conflict.

2.10 Counterparts

This Closing Conditions Agreement may be executed in any number of counterparts, each of which shall be deemed to be an original and all of which shall constitute one and the same agreement. Transmission by facsimile or other

electronic means of an executed counterpart of this Closing Conditions Agreement shall be deemed to constitute due and sufficient delivery of such counterpart.

[Remainder of page is intentionally blank]

CALMENA ENERGY SERVICES DE
MEXICO S. DE R.L. DE C.V.

Per:

Name: _____

Title: _____

BW SERVICES LUXEMBOURG S.A.R.L.

Per:

Name: _____

Title: Sole Manager/Authorised Signatory
(as the case may be)

SE RIG EQUIPMENT COMPANY S.A DE
C.V.

Per:

Name: Victor Rueda

Title: Director

SIMMONS EDECO MEXICO S.A. DE C.V.

Per:

Name: Victor Rueda

Title: Director

Receipt acknowledged as of the date first above written.

ERNST & YOUNG INC., in its capacity as
receiver of Calmena Energy Holdings Ltd.
and not in its corporate or personal
capacity

Per:

Name: _____

Title: _____

**CALMENA ENERGY SERVICES DE
MEXICO S. DE R.L. DE C.V.**

Per:

Name:

Title:

BW SERVICES LUXEMBOURG S.A.R.L.

Per:

Name: *Margareta Suo*

Title: Sole Manager/Authorised Signatory
(as the case may be)

**SE RIG EQUIPMENT COMPANY S.A DE
C.V.**

Per:

Name:

Title:

SIMMONS EDECO MEXICO S.A. DE C.V.

Per:

Name:

Title:

Receipt acknowledged as of the date first above written.

**ERNST & YOUNG INC., in its capacity as
receiver of Calmena Energy Holdings Ltd.
and not in its corporate or personal
capacity**

Per:

Name:

Title:

CALMENA ENERGY SERVICES DE
MEXICO S. DE R.L. DE C.V.

Per:



Name:

Kevin Deric Walgren

Title:

Director

BW SERVICES LUXEMBOURG S.A.R.L.

Per:

Name:

Title: Sole Manager/Authorised Signatory
(as the case may be)

SE RIG EQUIPMENT COMPANY S.A DE
C.V.

Per:

Name:

Title:

SIMMONS EDECO MEXICO S.A. DE C.V.

Per:

Name:

Title:

Receipt acknowledged as of the date first above written.

ERNST & YOUNG INC., in its capacity as
receiver of Calmena Energy Holdings Ltd.
and not in its corporate or personal
capacity

Per:

Name:

Title:

**CALMENA ENERGY SERVICES DE
MEXICO S. DE R.L. DE C.V.**

Per:

Name:

Title:

BW SERVICES LUXEMBOURG S.A.R.L.

Per:

Name:

Title: Sole Manager/Authorised Signatory
(as the case may be)

**SE RIG EQUIPMENT COMPANY S.A DE
C.V.**

Per:

Name:

Title:

SIMMONS EDECO MEXICO S.A. DE C.V.

Per:

Name:

Title:

Receipt acknowledged as of the date first above written.

**ERNST & YOUNG INC., in its capacity as
receiver of Calmena Energy Holdings Ltd.
and not in its corporate or personal
capacity**

Per:



Name: Peter Chisholm

Title: Vice President