

SERVICE

2. Service of notice of this application and supporting materials is hereby declared to be good and sufficient, and no other person is required to have been served with notice of this application, and the time for service of this application is abridged to that actually given.

APPROVAL OF THE TRANSACTION

3. The Transaction is hereby approved, as is the Receiver's execution of the Agreement (with such non-material modifications as the Receiver may determine in its discretion, acting reasonably). The Receiver is hereby authorized and directed to take such additional steps and execute such additional documents as may be necessary or desirable for the completion of the Transaction or for the conveyance of the Purchased Assets to the Purchaser.

VESTING OF PROPERTY

4. Upon delivery of a Receiver's certificate to the Purchaser (or its nominee) substantially in the form set out in **Schedule "A"** hereto (the "**Receiver's Certificate**"), all of the Debtor's right, title and interest in and to the Purchased Assets described in the Agreement and listed in **Schedule "B"** hereto shall vest absolutely in the name of the Purchaser free and clear of and from any and all security interests (whether contractual, statutory, or otherwise), hypothecs, caveats, mortgages, trusts or deemed trusts (whether contractual, statutory, or otherwise), liens, executions, levies, distress, charges, or other financial or monetary claims, whether or not they have attached or been perfected, registered or filed and whether secured, unsecured or otherwise (collectively, the "**Claims**") including, without limiting the generality of the foregoing:
 - (a) any encumbrances or charges created by the Receivership Order;
 - (b) all charges, security interests or Claims evidenced by registrations pursuant to *The Personal Property Security Act, 1993* (Saskatchewan), or any other personal property registry system; and
 - (c) for further certainty, those Claims listed on **Schedule "C"** hereto (all of which are collectively referred to as the "**Encumbrances**"), and, for greater certainty, this Court orders that all of the Encumbrances affecting or relating to the Purchased Assets are hereby expunged and discharged as against the Purchased Assets.
5. Upon the filing by the Receiver or its legal counsel of a certified copy of this Order, and the payment of applicable fees, the Registrar of the Personal

Property Registry (Saskatchewan) shall and is hereby directed to cancel and discharge those Claims described in Schedule "C" to this Order.

6. For the purposes of determining the nature and priority of Claims, the amounts to be received by the Receiver from the Purchaser on account of the Purchased Assets (the "**Proceeds**") shall stand in the place of the Purchased Assets, and all Claims and Encumbrances shall attach to the Proceeds with the same priority (if any) as they had with respect to the Purchased Assets immediately prior to the sale, as if the Purchased Assets had not been sold and remained in the possession or control of the person having that possession or control immediately prior to the sale.
7. Upon the completion of the Transaction:
 - (a) the Purchaser shall have no liability of any kind whatsoever in respect of any Claims against the Debtor; and
 - (b) the holders of the Encumbrances shall have no claim whatsoever against the Receiver or the Debtor.
8. The Debtor and all persons who claim by, through or under the Debtor in respect of the Purchased Assets, shall stand absolutely barred and foreclosed from all estate, right, title, interest, rental and equity of redemption of the Purchased Assets and, to the extent that any such persons remains in possession or control of any of the Purchased Assets, they shall forthwith deliver possession thereof to the Purchaser.
9. The Purchaser shall be entitled to enter into and upon, hold and enjoy the Purchased Assets for its own use and benefit without any interference of or by the Debtor, or any person claiming by or through or against the Debtor.
10. The Receiver is to file with the Court a copy of the Receiver's Certificate forthwith after delivery thereof to the Purchaser.
11. Notwithstanding:
 - (a) the pendency of these proceedings;
 - (b) any applications for a bankruptcy order now or hereafter issued pursuant to the *Bankruptcy and Insolvency Act* (Canada) in respect of the Debtor and any bankruptcy order issued pursuant to any such applications; and
 - (c) any assignment in bankruptcy made in respect of the Debtor;

the vesting of the Purchased Assets in the Purchaser pursuant to this Order shall be binding on any trustee in bankruptcy that may be appointed in

respect of the Debtor and shall not be void or voidable by creditors of the Debtor, nor shall it constitute nor be deemed to be a settlement, fraudulent preference, assignment, fraudulent conveyance, transfer at undervalue, or other reviewable transaction under the *Bankruptcy and Insolvency Act* (Canada) or any other applicable federal or provincial legislation, nor shall it constitute oppressive or unfairly prejudicial conduct pursuant to any applicable federal or provincial legislation.

12. The Receiver, the Purchaser and any other interested party shall be at liberty to apply for further advice, assistance and directions as may be necessary in order to give full force and effect to the terms of this Order and to assist and aid the parties in closing the Transaction.

RECEIVER'S ACTIONS, RECEIPTS AND DISBURSEMENTS

13. The Receiver's activities, actions, conduct, fees, disbursements, and proposed courses of action, including the legal fees of the Receiver's legal counsel, as outlined in the First Report, are approved.
14. The Receiver's Interim Statement of Receipts and Disbursements for the period from July 24, 2017 to October 17, 2017, as set out in the First Report, is approved.

THE MAINS HOLDBACK

15. Pending further order of the Court, the Receiver shall hold back the amount of \$72,873.30 from the Proceeds (the "**Mains Holdback**") in respect of the commercial lien formerly registered in the Personal Property Registry (Saskatchewan) as Registration #301656696 (the "**Commercial Lien**") against certain of the Purchased Assets in favour of Mains Welding Ltd. ("**Mains Welding**").
16. Mains Welding Ltd. is hereby required to file with the Receiver proof of its lien claim in a form acceptable to the Receiver, on or before November 15, 2017, along with any further documentation the Receiver may require to analyze the Commercial Lien and issue a further report to the Court.

INTERIM DISTRIBUTION FROM PROCEEDS

17. In addition to the Mains Holdback, the Receiver shall hold back any other necessary reserves from the Proceeds as may be determined necessary by the Receiver, and not distribute the same until further order of the Court.
18. From the remaining balance of the Proceeds, the Receiver is hereby authorized to make the following interim distributions after the closing of the Transaction:

- (a) repayment of the Receiver's \$500,000 borrowings under the Borrowing Facility;
- (b) an interim distribution up to the maximum amount of \$200,000 to the CRA on account of the CRA Trust Claims; and
- (c) a further interim distribution to the Affinity Credit Union 2013 up to the amount of the Affinity Indebtedness.

SEALING OF THE CONFIDENTIAL REPORT

- 19. The Confidential Report, including the appendices thereto, shall be kept sealed and confidential, and shall not form part of the public record but shall be kept separate and apart from the other contents of the Court file in respect of this matter in a sealed envelope which sets out the style of cause of these proceedings and a statement that the contents thereof are subject to a Sealing Order, and shall not be opened except by the Honourable Mr. Justice N.G. Gabrielson, by further Order of the Court, or upon the filing of the Receiver's Certificate as contemplated herein.
- 20. An application to unseal the Confidential Report may be made at any time upon fourteen days' notice to counsel for the Receiver.

MISCELLANEOUS MATTERS

- 21. This Court hereby requests the aid and recognition of any court, tribunal, regulatory or administrative body having jurisdiction in Canada or in the United States to give effect to this Order and to assist the Receiver and its agents in carrying out the terms of this Order. All courts, tribunals, regulatory and administrative bodies are hereby respectfully requested to make such orders as to provide such assistance to the Receiver, as an officer of this Court, as may be necessary or desirable to give effect to this Order or to assist the Receiver and its agents in carrying out the terms of this Order.
- 22. This Order must be served only upon those interested parties attending or represented at the within application and service may be effected by electronic mail, facsimile, registered mail, courier or personal delivery. Service is deemed to be effected the next business day following the transmission or delivery of such documents.
- 23. Service of this Order on any party not attending this application is hereby dispensed with.

ISSUED at Saskatoon, Saskatchewan this 25th day of October, 2017.

B. WEREZAK
~~DEPUTY LOCAL REGISTRAR~~
(Deputy) Local Registrar

CONTACT INFORMATION AND ADDRESS FOR SERVICE

Name of firm: McDougall Gauley LLP
Name of lawyer in charge of file: Ian A. Sutherland
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SCHEDULE "A"

RECEIVER'S CERTIFICATE

COURT FILE NUMBER	QB No. 783 of 2017
COURT	QUEEN'S BENCH FOR SASKATCHEWAN IN BANKRUPTCY AND INSOLVENCY
JUDICIAL CENTRE	SASKATOON
PLAINTIFF	AFFINITY CREDIT UNION 2013
DEFENDANT	VORTEX DRILLING LTD.

IN THE MATTER OF THE RECEIVERSHIP OF VORTEX DRILLING LTD.

RECITALS

- A. Pursuant to the Order of the Honourable Mr. Justice B.J. Scherman dated July 24, 2017, Deloitte Restructuring Inc. was appointed by the Court as the receiver (the "**Receiver**") of the undertaking, property, and assets of Vortex Drilling Ltd. (the "**Debtor**").
- B. Pursuant to an Order of the Court dated October 25, 2017 (the "**Approval, Vesting, and Distribution Order**") the Court approved the Asset Purchase Agreement (the "**Agreement**") between the Receiver and Matrix Energy Technologies Inc. (the "**Purchaser**") and provided for the vesting in the Purchaser of the Debtor's right, title and interest in and to the Purchased Assets, which vesting is to be effective with respect to the Purchased Assets upon the delivery by the Receiver to the Purchaser of a certificate confirming: (i) the payment by the Purchaser of the Purchase Price for the Purchased Assets; (ii) the Conditions Precedent to the completion of the Transaction outlined in Article 10 of the Agreement have been satisfied or waived by the Receiver and the Purchaser; and (iii) the Transaction has been completed to the satisfaction of the Receiver.
- C. Unless otherwise indicated herein, capitalized terms have the meanings set out in the Approval, Vesting, and Distribution Order.

THE RECEIVER CERTIFIES the following:

1. The Purchaser has paid and the Receiver has received the Purchase Price for the Purchased Assets payable on the closing date pursuant to the Agreement.

2. The Conditions Precedent to the completion of the Transaction outlined in Article 10 of the Agreement have been satisfied or waived by the Receiver and the Purchaser.
3. This Certificate was delivered by the Receiver at ___ [time] on _____ [date].

DELOITTE RESTRUCTURING INC.

In its capacity as Receiver of Vortex Drilling Ltd.,
and not in its personal capacity

Brent Warga, CPA, CA, CIRP, LIT
Senior Vice-President

Parcel 1 – Vortex Rig 1

1 Rig 1

One complete modular drilling rig package with major equipment asset components, as follows:

1.1 Mast

One telescopic double mast, steel constructed, complete with plumbed electrical and hydraulic components, 4 sheave crown with fast line and monkey board.

Mast Manufacturer:	Do All Industries
Mast Design:	R.A. Hodgson Industrial Engineering
Mast File #:	5044-M
Mast Model #:	MT104-9.5-400E
Mast Type:	Telescoping Double
Mast Serial #:	M-0103011-G
Mast Height:	104'/31.7m
Mast Base Width:	9'6"/2.90m
Maximum Static Hook Load:	400,000 lbs/177,900 daN (8 lines)
Maximum Static Hook Load w/ Setback:	135 Kph
Maximum Static Hook Load w/o Setback:	160 Kph
Mast Date of Manufacture:	January 2011
Mast Certification Date:	March 15, 2011
Mast Monkey Board:	Integrally mounted
Mast Raising Cylinders:	Dual, multi stage hydraulic cylinders
Mast Ladder:	Integrally mounted to mast
Mast Crown:	4 sheave crown, 1 fast line sheave
Mast Stand Pipe:	Integrally mounted
Mast Tugger Winch Manufacturer:	Dual Pullmaster winches
Mast Tugger Winch Model #:	PL8
Travelling Block Manufacturer:	McKinney Machine
Travelling Block Model:	Arctic
Travelling Block Rated Capacity:	160 Ton
Travelling Block Serial #:	10-435
Travelling Block Sheaves:	4-30" grooved for 1 1/8" wireline
Travelling Block Certification:	Material Testing Services
Travelling Block Certification Date:	April 21, 2016
Rotary Swivel Manufacturer:	McKinney Machine

Rotary Swivel Model #:	Arctic P200
Rotary Swivel Serial #:	3765
Rotary Swivel Capacity:	200 Ton
Rotary Swivel Certification:	Material Testing Services
Rotary Swivel Certification Date:	November 23, 2015
Rotary Tong Manufacturer:	Rostel Industries
Rotary Tong Model:	AAX
Rotary Tong Serial #:	IM0005-IM0006
Rotary Tong Type:	Manual
Rotary Tong Jaws:	5 lug jaws, at time of inspection
Rotary Tong Certification:	Buffalo Inspections
Rotary Tong Certification Date:	May 17, 2016
Elevator Bail Link Manufacturer:	King Oil Tools
Elevator Bail Link Size:	2 ¼" x 96"
Elevator Bail Link Serial #:	MP120710-88/MP120710-8B
Elevator Bail Link Capacity:	250 Ton/500,000 lbs/222,400 daN
Elevator Bail Link Inspection:	Buffalo Inspections
Elevator Bail Link Certification:	Kodiak Engineering
Elevator Bail Link Certification Date:	April 16, 2016
Drill Pipe Elevator Size:	To accommodate 4 ½" drill pipe
Drill Pipe Elevator Rating:	175 Ton
Drill Pipe Elevator Serial #:	40846
Drill Pipe Elevator Certification:	Material Testing Services
Drill Pipe Elevator Certification Date:	April 21, 2016

1.2 Substructure

One step-down substructure to accommodate the above mast, complete with loading beams, drawworks carrier deck, rotary beams, drawworks master skid, working floor and BOP cellar area.

Substructure Manufacturer:	Do All Industries
Substructure Serial #:	DOALL-S-0103011
Substructure Model #:	ST14-14.2-340E
Substructure Type:	Step Down
Substructure Floor Height:	14'
Substructure Max Static Rotary Capacity:	337,000 lbs
Substructure Certification:	AM Inspection Ltd.
Substructure Certification #:	13649
Substructure Certification Date:	April 11, 2016

Substructure Walls:	Steel crossed crimped panels
Substructure BOP Handling:	Integral BOP lift system
Substructure Heaters:	Dual Ruffneck steam heaters
Rotary Table:	Mounted at well center
Rotary Table Size:	17 ½" x 44"
Rotary Table Drive:	Elevated chain drive from drawworks
Annular BOP Manufacturer:	Shenkai Petroleum
Annular BOP Size:	9"
Annular BOP Pressure Rating:	3000 psi
Annular BOP Litres to Open:	19.03
Annular BOP Litres to Close:	27.36
Annular BOP Serial #:	111
Annular BOP Job#:	67858
Annular BOP Trim:	NACE
Annular BOP Certification:	Alberta Petroleum Industries
Annular BOP Certification Date:	March 11, 2013
Annular BOP Certification Renewal:	May 1, 2018
Blind Ram Manufacturer:	Shenkai Petroleum
Blind Ram Size:	9"
Blind Ram Pressure Rating:	3000 psi
Blind Ram Litres to Open:	2.57
Blind Ram Litres to Close:	2.91
Blind Ram Model:	LWP
Blind Ram Serial #:	218
Blind Ram Job #:	67858
Blind Ram Trim:	NACE
Blind Ram Certification:	Alberta Petroleum Industries
Blind Ram Certification Date:	August 22, 2013
Blind Ram Certification Renewal:	May 1, 2018
Pipe Ram Manufacturer:	Shenkai Petroleum
Pipe Ram Size:	9"
Pipe Ram Pressure Rating:	3000 psi
Pipe Ram Litres to Open:	2.57
Pipe Ram Litres to Close:	2.91
Pipe Ram Model:	LWP
Pipe Ram Serial #:	217
Pipe Ram Job #:	67858

Deloitte Restructuring Inc., in its capacity as Receiver of Vortex Drilling Ltd., makes no representations as to the accuracy or completeness of the information presented. Interested parties are to rely on their own investigations to determine the accuracy of same.

Pipe Ram Trim:	NACE
Pipe Ram Certification:	Alberta Petroleum Industries
Pipe Ram Certification Date:	August 21, 2013
Pipe Ram Certification Renewal:	May 1, 2018
Working Spool Manufacturer:	Alberta Petroleum Industries
Working Spool Flange Size:	9' 3000
Working Spool #1 Outlet Size:	3 1/8" 3000
Working Spool #2 Outlet Size:	2 1/16" 5000
Working Spool Overall Length:	17"
Working Spool Serial #:	65904-01
Working Spool Job #:	65904
Working Spool Pressure Rating:	3000
Working Spool Trim:	NACE
Working Spool Certification:	Alberta Petroleum Industries
Working Spool Certification Date:	June 4, 2012
Working Spool Certification Renewal:	May 1, 2018
Change Over Spool Manufacturer:	Alberta Petroleum Industries
Change Over Spool Upper Flange:	11" 3000/2000
Change Over Spool Lower Flange:	9" 3000
Change Over Spool Outlet Size:	Dual 2 1/16" 5000# @ 180 degree
Change Over Spool Overall Length:	16"
Change Over Spool Serial #:	63494-01
Change Over Spool Job #:	71001
Change Over Spool Trim:	NACE
Change Over Spool Certification:	Alberta Petroleum Industries
Change Over Spool Certification Date:	April 10, 2015
Change Over Spool Certification Renewal:	May 1, 2018
#1 HCR Valve Manufacturer:	CNV Valve & Control Co.
#1 HCR Valve Size:	3 1/8"
#1 HCR Valve Pressure Rating:	3000 psi
#1 HCR Valve Serial #:	D1012026
#1 HCR Valve Type:	Ball valve
#1 HCR Valve Trim:	NACE
#1 HCR Valve Certification:	Alberta Petroleum Industries
#1 HCR Valve Certification Date:	November 19, 2015
#2 HCR Valve Manufacturer:	KBV
#2 HCR Valve Size:	3 1/8"

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#2 HCR Valve Pressure Rating:	3000 psi
#2 HCR Valve Serial #:	014143124
#2 HCR Valve Type:	Gate valve
#2 HCR Valve Trim:	NACE
#2 HCR Valve Certification:	Alberta Petroleum Industries
#2 HCR Valve Certification Date:	November 06, 2015
Number of Kill Line Valves:	4
Kill Line Valve Manufacturer:	KBV
Kill Line Valve Size:	2 1/16"
Kill Line Valve Pressure Rating:	5000 psi
Kill Line Valve Serial#:	L1212207/L1212156/L1212098/L1212081
Kill Line Valve Type:	Gate valve
Kill Line Valve Certification:	Alberta Petroleum Industries
Kill Line Valve Certification Date:	January 1, 2014

1.3 Drawworks

One drawworks master skid complete with one Ratmaster 750 drawworks, Cummins drive engine, elevated chain case drive, hydraulic survey line winch, glycol and hydraulic tanks as follows:

Drawworks Manufacturer:	Ratmaster
Drawworks Model #:	750
Drawworks Type:	Single drum
Drawworks Band Brakes:	Integrally mounted at drawworks drum
Drawworks Water Brakes:	Eaton 136
Drawworks Drive:	Input to right angle gear box
Drawworks Skid:	To accommodate drawworks and engine
Drawworks Canopy:	Integrally mounted drawworks roof canopy
Drawworks Canopy Lights:	4-48" dual fluorescent lights
Drawworks Engine Manufacturer:	Cummins
Drawworks Engine Model:	QSX19
Drawworks Engine Serial #:	37239189
Drawworks Engine Horsepower:	780
Drawworks Engine Fuel Type:	Diesel
Drawworks Engine Radiator:	Integrally mounted to engine
Drawworks Engine Exhaust:	Single horizontal exhaust
Drawworks Engine Transmission MFR:	Allison
Drawworks Engine Transmission Model:	CLT6061
Drawworks Engine Transmission Serial#:	3110114060

Survey Line Winch:	Post mounted near drawworks drum
Survey Line Winch Type:	Hydraulically actuated
Survey Line Winch Size:	.092" Wire
Drilling Line Spool:	Mounted on drawworks master skid
Drilling Line Size:	1-1/8"
Hydraulic Oil Tank:	Mounted on drawworks master skid
Glycol Tank:	Mounted on drawworks master skid
Drill Floor Access Stairs:	From drawworks floor to drill floor
Mud Tank Access Platform:	From drawworks skid to mud tank
Ground Level Access Stairs:	From drawworks skid to ground level

1.4 Combination Building

One skidded combination building compartmentalized to accommodate the Cummins diesel engine/generator, electrical controls, fuel tank, accumulator, and tool room.

Building Skid:	3 runner wide flange beam skid
Building Skid Loading Rolls:	Skid loading rolls both ends
Building Roof Fold Down Handrail:	Handrails w/ kick plate around perimeter
Building Walkways:	Fold-down walkways on one side
Building Wall Panels:	Straight steel wall panels
Building Cable Arm:	Swing out exterior cable arm
Building Access Doors:	1 double & 2 single access doors
Building Roof Access:	Roof access ladder one end
Building Plug Board Access:	Exterior access door to plug board
Building Electrical:	Electrical control panel/function boxes
Fuel Tank Capacity:	19,500 liters
Fuel Tank Serial #:	V1001
Fuel Tank TC Spec #:	TC44
Fuel Tank TCRN #:	25-0853
Fuel Tank Certification Date:	February 2011
Generator Room Lights:	2-48" dual led interior lights
Generator Room Fuel Tank:	Diesel fuel day tank
Generator Room Roof Hatch:	Fresh air roof hatch
Generator Engine Manufacturer:	Cummins
Generator Engine Model:	QSX15-G9
Generator Engine Displacement:	15 liters
Generator Engine #:	79435117
Generator Engine Family #:	ACEXL015.AA

Generator Engine Reference #:	0100-389101
Generator Engine Mount:	Independent skid, bolt lugged to floor
Generator Engine Radiator:	Integrally mounted to engine
Generator Engine Exhaust:	Single vertical exhaust
Generator Engine Battery Box:	Mounted adjacent to engine
Generator Engine Generator:	Coupled to Stamford generator
Accumulator Manufacturer:	Mustang
Accumulator Serial #:	V14470
Accumulator Type:	5 station
Accumulator Capacity:	8 x 11 US gal
Accumulator Pump MFR:	Weatherford
Accumulator Pump Type:	Triplex
Accumulator Pump Model:	T1-32m
Accumulator Pump DOM:	March 2011
Accumulator Pump Motor MFR:	Teco Westinghouse
Accumulator Pump Motor Cat #:	0254
Accumulator Pump Motor Frame #:	284T
Accumulator Pump Motor Horsepower:	25
Accumulator Pump Motor Voltage:	230/460
Transformer Manufacturer:	Bemag
Transformer Model #:	UA3015P480
Transformer Serial #:	VSN101119S03-5
Air Compressor MFR:	Sullair
Air Compressor Model #:	ST1109ACSULL
Air Compressor Serial #:	C03CC22138
Air Compressor Mount:	Horizontally mounted on 80 gal air receiver
Tool Room Lights:	2-48" dual fluorescent interior lights
Oil Storage Tanks:	4-rectangular fluid storage tanks on stand
Oil Storage Tank Capacity:	45 gallon tanks
Oil Storage Tank Contents:	Glycol, hydraulic oil, gear oil and 1540
Tool Room Storage Cabinet:	3 door upright parts storage cabinet
Tool Room Bolt Bin:	Single door upright cabinet/bolt bin
Tool Room Storage Cupboard:	2 door wall mounted parts cupboard
Tool Room Work Bench:	Steel wall mounted work bench
Tool Room Safety:	Eyewash station
Tool Room Heater MFR:	Ruffneck
Tool Room Heater Model:	FX5-480360-200-WT
Tool Room Heater Serial #:	RH157672

Deloitte Restructuring Inc., in its capacity as Receiver of Vortex Drilling Ltd., makes no representations as to the accuracy or completeness of the information presented. Interested parties are to rely on their own investigations to determine the accuracy of same.

1.5 Mud Pump Building

One skidded building that houses the F-1000 mud pump, Cummins diesel engine, drive assembly, suction/discharge lines, instrumentation gauges and wash gun pump as follows:

Building Skid:	3 runner wide flange beam skid
Building Skid Loading Rolls:	Skid loading rolls both ends
Building Walls:	Steel straight panel walls
Building Roof Access:	Roof access ladder on one end
Building Roof Fold Down Handrail:	Handrail w/ kick plate around perimeter
Building Access Doors:	5-single, 3-double access doors
Building Door Cover:	Fold down door cover
Building Fold Down Walkways:	Walkways around building perimeter
Building Cable Holder:	Swing out cable arm
Building Interior Lights:	5-48" dual fluorescent interior lights
Building Storage Cabinet:	Single door, corner wall mounted cabinet
Building Storage Cabinet:	2-door upright parts storage cabinet
Building Work Bench:	Work bench with 2 door storage cabinet
Building Fire Safety:	20 pound fire extinguisher
Building Safety:	Eye wash station
Building Heater MFR:	Ruffneck
Building Heater Type:	Steam
Building Fuel Tank:	Upright cylindrical diesel fuel day tank
Building Air Receiver:	Upright cylindrical air receiver
Shaker Storage Stand:	Storage stand with 8 shaker screens
Wash Gun Pump Manufacturer:	Cat
Wash Gun Pump Model:	310S
Wash Gun Pump Type:	Triplex
Wash Gun Pump Mount:	Mounted on independent skid
Wash Gun Pump Drive:	Belt driven to electric motor
Wash Gun Hose Reel & Wand:	Complete with hose reel and wash wand
Mud Pump Model:	F-1000
Mud Pump Type:	Triplex hydraulic mud pump
Mud Pump Serial #:	JA-0574
Pulsation Dampener Capacity:	20 gallon
Pressure Gauge Manufacturer:	Control Drilling Service
Pressure Gauge Type:	"D"
Pressure Gauge Serial #:	34895
Pressure Gauge Pressure Rating:	0-42,000 Kpa

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Shear Relief Valve Manufacturer:	Oteco
2" Gate Valve Manufacturer:	Oteco
4" Gate Valve Manufacturer:	Oteco
Mud Pump Engine Radiator:	Integrally mounted to engine
Mud Pump Engine MFR:	Cummins
Mud Pump Engine Serial #:	321544
Mud Pump Horsepower:	950
Mud Pump Engine Batteries:	Battery box mounted beside engine
Mud Pump Engine Skid :	Mounted on independent master skid
Mud Pump Engine Mount:	Bolt lugged to floor
Mud Pump Engine Adjusters:	Adjustment sliders to adjust engine
Mud Pump Engine Exhaust:	Single vertical exhaust
Mud Pump Engine Transmission MFR:	Rouse
Mud Pump Engine Transmission Speed:	2 speed
Mud Pump Engine Transmission Serial#:	1102

1.6 Water Tank/Doghouse

Water tank and Doghouse are manufactured for unison use. The doghouse houses the rig instrumentation and control center. The doghouse scopes into the water tank during rig moves. The water tank is manufactured with a separate pump and crew change rooms.

Water Tank Skid:	3 runner wide flange beam skid
Water Tank Loading Rolls:	Skid loading rolls both ends
Water Tank Access Ladders:	Access ladders on two sides
Water Tank Access Stairs:	Fold down access stairs one side
Water Tank Fold Down Handrail:	Handrail w/ kick plate around perimeter
Change Shack Access:	Single access door
Change Shack Lights:	2-48" dual fluorescent interior lights
Change Shack Heater MFR:	Ruffneck
Change Shack Heater Model:	FX5-480360-200-WT
Change Shack Heater Serial #:	RH157671
Change Shack Bench:	Steel sit bench
Change Shack Lockers:	16-mesh steel crew lockers
Change Shack Safety:	Stretcher
Change Shack Amenities:	Microwave, Mini Fridge
Pump Room Access:	Single access door
Pump Room Lights:	1-48" dual fluorescent interior light
Pump Room Transformer MFR:	Bemag
Pump Room Transformer Model:	UA3015P480

Pump Room Pressure Washer MFR:	Cat
Pump Room Pressure Washer Model:	310S
Pump Room Pressure Washer Type:	Triplex
Pump Room Pressure Washer Mount:	Mounted on independent skid
Pump Room Pressure Washer Motor MFR:	Baldor
Pressure Washer Hose Reel & Wand:	Wall mounted hose reel & wash wand
Pump Room Heater Manufacturer:	Ruffneck
Pump Room Heater Model:	FX5-480360-100-WT
Pump Room Heater Serial #:	RH157666
Pump Room Water Pump MFR:	Monarch
Pump Room Water Pump Mount:	Mounted on independent skid
Pump Room Water Pump Drive:	Electrically direct driven
Pump Room Water Pump Size:	2 x 3
Doghouse Type:	Slide out style doghouse
Doghouse Raising System:	Sling line/cable raised
Doghouse Roof Access:	Roof access ladder
Doghouse Fold Down Handrail:	Handrail w/ kick plate around roof perimeter
Doghouse Stairs:	Removable stairs into doghouse from tank
Doghouse Access Doors:	2-single access doors with windows
Doghouse Lights:	3-48" dual fluorescent interior lights
Doghouse Safety:	Lockout box, ear plug dispenser
Doghouse Fire Safety:	40 pound fire extinguisher
Doghouse Exterior Lights:	4-square halogen exterior lights
Doghouse Windows:	7 full view safety glass windows
Doghouse Heater #1 MFR:	Ruffneck
Doghouse Heater #1 Model:	FX5-480360-200-WT
Doghouse Heater #1 Serial #:	RH157677
Doghouse Heater #2 MFR:	Ruffneck
Doghouse Lockers:	4-steel crew lockers
Doghouse Knowledge Box:	Dual knowledge box on dual door cabinet
Doghouse Parts Storage Cabinet:	2 door upright parts storage cabinet
Doghouse Storage Bench:	Steel storage bench
Doghouse Controls:	Mustang control console
Doghouse Amenities:	Hand cleaner & paper towel dispenser

1.7 Mud Tank

The single mud tank consists of a skidded sloped bottom, 5 compartment tank, with grated tank top, King Cobra shale shaker, dual agitators, degasser and mud mix room.

Mud Tank Skid:	3 runner wide flange beam skid
Mud Tank Loading Rolls:	Skid loading rolls both ends
Mud Tank Type:	Slope bottom tank
Mud Tank Dump Gates:	5 dump gates
Mud Tank Configuration:	5 compartment mud tank
Mud Tank Top:	Grated steel tank top
Mud Tank Roof:	Fold down roof over tank
Mud Tank Walkway:	Walkway located around shaker
Mud Tank Cable Arm:	Swing out cable arm
Mud Tank Access Stairs:	Fold down stairs shack side & shaker end
Mud Tank Chemical Barrel:	Chemical mixing barrel on tank top
Mud Tank Degasser:	36" degasser
Shale Shaker Manufacturer:	King Cobra
Shale Shaker Serial #:	11150-0038
Mud Tank Agitator Manufacturer:	SEW Eurodrive
Mud Tank Agitators:	2- vertical agitators
Mud Tank Heater Manufacturer:	Ruffneck
Mud Tank Heater Type:	Steam
Mud Tank Mix Shack:	Integrally mounted to tank
Mix Shack Access:	Double access door
Mix Shack Lights:	2-48" dual fluorescent interior lights
Mix Shack Manifold:	Manifold with 9 butterfly valves
Mix Shack Fire Safety:	20 pound fire extinguisher
Mix Shack Safety:	Eye wash station
Mix Shack Storage Cabinets:	2-single door wall mounted cabinets
Mix Shack Mud Hopper:	Venturi style mud hopper
Mix Shack Pumps:	3 vertically mounted centrifugal pumps

1.8 Catwalk/Manifold Shack

One hydraulically actuated skate catwalk complete with fabricated steel building to accommodate the hydraulic skate controls and vertically mounted choke & kill manifold.

Catwalk Construction:	Square tubing frame
Catwalk Loading Rolls:	Loading rolls both ends
Catwalk Swing Arms:	4-swing out pipe arms
Catwalk Skate:	Hydraulically actuated skate catwalk

Catwalk Stairs:	3-removable stairways
Manifold Shack:	Integrally mounted to catwalk
Manifold Shack Access:	1 double door, 1 single door
Manifold Shack Windows:	2- windows, 1- with safety bars
Manifold Shack Walls:	Straight steel paneled walls
Manifold Shack Interior Walls:	Insulated steel paneled interior walls
Manifold Shack Heater MFR:	Ruffneck
Manifold Shack Heater Model:	FX412-480360-10
Manifold Shack Serial #:	4164-1934
Manifold Shack Interior Lights:	2-48" dual fluorescent interior lights
Manifold Shack Controls:	Hydraulic lever panels
Manifold Size:	3 x 2 choke & kill manifold
Manifold Valve Type:	Gate valve, NACE trim
Manifold Mount:	Vertically mounted
Manifold Blind Flanges:	2-2 1/16" S/N-56734-1,56734-2
Manifold Blind Flanges Certification Date:	December 23, 2010
Manifold Weld Neck Flange:	1- 3 1/8" 3000 S/N-36600
Manifold Weld Neck Flange Certification:	December 23, 2010
Manifold Companion Flanges:	2 1/16 x 5000
Manifold Companion Flanges Serial #:	56773-5/56773-6/56896-1
Manifold Companion Flanges Certification:	December 23, 2010

1.9 Boiler Building

One skidded oilfield building that accommodates the Saskatoon boiler and self-contained diesel fuel tank.

Building Skid:	3 runner wide flange beam skid
Building Loading Rolls:	Skid Loading rolls both ends
Building Fold Down Handrail:	Handrail w/ kick plate around perimeter
Building Wall Panels:	Straight steel wall panels
Building Dump Gate:	1-dump gate
Building Roof Access:	Roof access ladder on one end
Building Interior Lights:	4-48" dual fluorescent interior lights
Building Exterior Lights:	3- Square halogen exterior lights
Building Access Doors:	1-single door, 1-double door
Building Storage Cabinet:	2 door upright parts storage cabinet
Building Fuel Tank:	Integrally mounted diesel fuel tank
Building Fuel Level Indicator:	Fuel level sight gauge w/ mesh guard
Building Heater MFR:	Ruffneck

Building Heater Model:	FX5-480360-200-WT
Building Heater Serial #:	RH151275
Building Fire Safety:	1-20 pound fire extinguisher
Building Safety:	Eyewash station
Boiler Manufacturer:	Saskatoon Boiler
Boiler Serial #:	4532
Boiler Type:	Firetube
Boiler Certification #:	01 018 780
Boiler License #:	00016345
Boiler Inspection Date:	September 2, 2015
Boiler Certification:	Technical Safety Authority of Sask.

1.10 Miscellaneous Equipment Assets

Miscellaneous equipment components and complimentary assets are as follows:

1.10.1 Rig Matting:	14 steel/wood constructed mats
1.10.2 Pipe Rack	
1.10.3 Pipe Tubs:	8 steel constructed pipe tubs
1.10.4 Drill Pipe Racks:	4-36' triangular racks
1.10.5 Drill Pipe:	Approximately 300- 4 ½", NC 40 range II
1.10.6 Heavy Weight Drill Pipe:	Approximately 80-4 ½" NC 40
1.10.7 Drill Collars:	Approximately 12-6 ½" diameter
1.10.8 Front End Loader:	
– Loader Manufacturer:	Komatsu
– Loader Model:	WA200PZ-6
– Loader Serial #:	KMTWA105T01071200
1.10.9 Water Truck	
– Water Truck Manufacturer:	Western Star
– Water Truck Date of Manufacture:	2012
– Water Truck Model #:	4900FA
– Water Truck Engine:	Detroit DD15
– Water Truck Serial #:	5KKHAEDR4CPBL4853
– Water Truck Front Tire Size:	385/65R22.5
– Water Truck Rear Tire Size:	11R24.5
– Water Tank Mount:	Elliptical tank mounted to truck
1.10.10 Water Truck Trailer	
1.10.11 Flock Tank	2-50m ³
1.10.12 Shale Tank	10' x 40'
1.10.13 Flare Tank	9m ³
1.10.14 Counterweight	
1.10.15 Rig Manager's Trailer	

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Parcel 2 – Vortex Rig 2

2 Rig 2

One complete modular drilling rig package with major equipment asset components, as follows:

2.1 Mast

One telescopic double mast, steel constructed , complete with plumbed electrical and hydraulic components, 4 sheave crown with fast line and monkey board.

Mast Manufacturer:	Do All Industries
Mast Design:	R.A. Hodgson Industrial Engineering
Mast File #:	5121-M
Mast Model #:	MT104-9.5-400E
Mast Type:	Telescoping Double
Mast Serial #:	DOALL-M-0208011-G
Mast Height:	104'/31.7m
Mast Base Width:	9'6"/2.90m
Maximum Static Hook Load:	400,000 lbs/177,900 daN (8 lines)
Maximum Static Hook Load w/ Setback:	135 Kph
Maximum Static Hook Load w/o Setback:	160 Kph
Mast Certification:	R.A. Hodgson Industrial Engineering
Mast Certification Date:	September 30, 2011
Mast Monkey Board:	Integrally mounted
Mast Raising Cylinders:	Dual, multi stage hydraulic cylinders
Mast Ladder:	Integrally mounted to mast
Mast Stand Pipe:	Integrally mounted
Mast Tugger Winch Manufacturer:	Dual Pullmaster winches
Mast Tugger Winch Model #:	PL8
Travelling Block Manufacturer:	McKinney Machine
Travelling Block Model:	Arctic
Travelling Block Rated Capacity;	160 Ton
Travelling Block Serial #:	10-435
Travelling Block Sheaves:	4-30" grooved for 1 1/8" wireline
Travelling Block Certification:	Material Testing Services
Travelling Block Certification Date:	April 21, 2016
Rotary Swivel Manufacturer:	McKinney Machine
Rotary Swivel Model #:	Arctic T-200
Rotary Swivel Serial #:	3941

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Rotary Swivel Capacity:	200 Ton
Rotary Swivel Wash Pipe Assembly:	Quick change wash pipe packing box
Rotary Swivel Certification:	Material Testing Services
Rotary Swivel Certification Date:	April 21, 2016
Rotary Tong Manufacturer:	Rostel Industries
Rotary Tong Model:	AAX
Rotary Tong Serial #:	IM0007-IM0008
Rotary Tong Type:	Manual
Rotary Tong Jaws:	5 lug jaws, at time of inspection
Rotary Tong Certification:	Irwin's Machining & Welding
Rotary Tong Certification Date:	May 17, 2016
Rotary Tong Inspection:	Buffalo Inspection
Rotary Tong Inspection Date:	April 15, 2016
Elevator Bail Link Manufacturer:	King Oil Tools
Elevator Bail Link Size:	2 ¼" x 96"
Elevator Bail Link Serial #:	22969-1A/22969-1B
Elevator Bail Link Capacity:	250 Ton/500,000 lbs/222,400 daN
Elevator Bail Link Inspection:	Buffalo Inspections
Elevator Bail Link Inspection File #:	16-28840R007
Elevator Bail Link Certification:	Kodiak Engineering
Elevator Bail Link Certification File #:	16-05-947610
Elevator Bail Link Certification Date:	April 16, 2016
Drill Pipe Elevator Size:	To accommodate 4" drill pipe
Drill Pipe Elevator Rating:	175 Ton
Drill Pipe Elevator Serial #:	130432193
Drill Pipe Elevator Certification:	Material Testing Services
Drill Pipe Elevator Certification Date:	April 21, 2016

2.2 Substructure

One step-down substructure to accommodate the above mast, complete with loading beams, drawworks carrier deck, rotary beams, drawworks master skid, working floor and BOP cellar area.

Substructure Manufacturer:	Do All Industries
Substructure Serial #:	-S-0208011
Substructure Model #:	ST14-14.2-340E
Substructure File #:	5121-S
Substructure Date of Manufacture:	August 2011
Substructure Type:	Step Down

Substructure Floor Height:	14'
Substructure Max Static Rotary Capacity:	337,000 lbs
Substructure Setback Capacity:	281,000
Substructure Certification:	R.A. Hodgson Industrial Engineering
Substructure Certification #:	13649
Substructure Certification Date:	September 30, 2011
Substructure Walls:	Steel crossed crimped panels
Substructure BOP Handling:	Integral BOP lift system
Substructure Heaters:	Dual steam heaters
Rotary Table:	Mounted at well center
Rotary Table Size:	17 ½" x 44"
Rotary Table Drive:	Elevated chain drive from drawworks
Annular BOP Manufacturer:	Shenkai Petroleum
Annular BOP Model:	Shenkai Spherical Annular
Annular BOP Size:	9"
Annular BOP Pressure Rating:	3000 psi
Annular BOP Litres to Open:	19.03
Annular BOP Litres to Close:	27.36
Annular BOP Serial #:	98
Annular BOP Job#:	71032
Annular BOP Trim:	NACE
Annular BOP Certification:	Alberta Petroleum Industries
Annular BOP Certification Date:	June 14, 2015
Annular BOP Certification Renewal:	September 1, 2018
Blind Ram Manufacturer:	Shenkai Petroleum
Blind Ram Size:	9"
Blind Ram Pressure Rating:	3000 psi
Blind Ram Litres to Open:	2.57
Blind Ram Litres to Close:	2.91
Blind Ram Model:	LWP
Blind Ram Serial #:	186
Blind Ram Job #:	71035
Blind Ram Trim:	NACE
Blind Ram Certification:	Alberta Petroleum Industries
Blind Ram Certification Date:	June 9, 2015
Blind Ram Certification Renewal:	September 1, 2018
Pipe Ram Manufacturer:	Shenkai Petroleum

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Pipe Ram Size:	9"
Pipe Ram Pressure Rating:	3000 psi
Pipe Ram Litres to Open:	2.57
Pipe Ram Litres to Close:	2.91
Pipe Ram Model:	LWP
Pipe Ram Serial #:	192
Pipe Ram Job #:	71033
Pipe Ram Trim:	NACE
Pipe Ram Certification:	Alberta Petroleum Industries
Pipe Ram Certification Date:	July 7, 2015
Pipe Ram Certification Renewal:	September 1, 2018
Working Spool Manufacturer:	Alberta Petroleum Industries
Working Spool Flange Size:	9' 3000
Working Spool #1 Outlet Size:	3 1/8" 3000
Working Spool #2 Outlet Size:	2 1/16" 5000
Working Spool Overall Length:	17"
Working Spool Serial #:	63607-1
Working Spool Job #:	71034
Working Spool Pressure Rating:	3000
Working Spool Trim:	NACE
Working Spool Certification:	Alberta Petroleum Industries
Working Spool Certification Date:	April 30, 2015
Working Spool Certification Renewal:	September 1, 2018
Change Over Spool Manufacturer:	Alberta Petroleum Industries
Change Over Spool Upper Flange:	11" 3000/2000
Change Over Spool Lower Flange:	9" 3000
Change Over Spool Outlet Size:	Dual 2 1/16" 5000# @ 180 degree
Change Over Spool Overall Length:	17"
Change Over Spool Serial #:	71627-01-01
Change Over Spool Job #:	71627
Change Over Spool Trim:	NACE
Change Over Spool Certification:	Alberta Petroleum Industries
Change Over Spool Certification Date:	November 5, 2015
Change Over Spool Certification Renewal:	November 6, 2018
#1 HCR Valve Manufacturer:	CNV Valve & Control Co.
#1 HCR Valve Size:	3 1/8"
#1 HCR Valve Pressure Rating:	3000 psi

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#1 HCR Valve Serial #:	AV0807023
#1 HCR Valve Type:	Ball valve
#1 HCR Valve Trim:	NACE
#1 HCR Valve Certification:	Alberta Petroleum Industries
#1 HCR Valve Certification Date:	May 19, 2015

2.3 Drawworks

One drawworks master skid complete with one Ratmaster 750 drawworks, Cummins drive engine, elevated chain case drive, hydraulic survey line winch, glycol and hydraulic tanks as follows:

Drawworks Manufacturer:	Ratmaster
Drawworks Model #:	750
Drawworks Type:	Single drum
Drawworks Band Brakes:	Integrally mounted at drawworks drum
Drawworks Water Brakes:	Eaton 136
Drawworks Drive:	Input to right angle gear box
Drawworks Skid:	To accommodate drawworks and engine
Drawworks Fold-Down Handrail:	Handrail w/ kick plate around perimeter
Drawworks Lights:	4-48" dual fluorescent lights
Drawworks Engine Manufacturer:	Cummins
Drawworks Engine Model:	QSX19
Drawworks Engine Serial #:	37239190
Drawworks Engine Horsepower:	780
Drawworks Engine Fuel Type:	Diesel
Drawworks Engine Radiator:	Integrally mounted to engine
Drawworks Engine Exhaust:	Single exhaust directed to front of skid
Drawworks Engine Battery Box:	Mounted adjacent to engine
Drawworks Engine Transmission MFR:	Allison
Drawworks Engine Transmission Model:	CLT6061-4
Survey Line Winch:	Post mounted near drawworks drum
Survey Line Winch Type:	Hydraulically actuated
Survey Line Winch Size:	.092" Wire
Drilling Line Spool:	Mounted on drawworks master skid
Drilling Line Size:	1-1/8"
Hydraulic Oil Tank:	Mounted on drawworks master skid
Hydraulic Pump:	Direct coupled to Leeson motor
Glycol Tank:	Mounted on drawworks master skid
Drill Floor Access Stairs:	From drawworks floor to drill floor

Mud Tank Access Platform:	From drawworks skid to mud tank
Ground Level Access Stairs:	From drawworks skid to ground level

2.4 Combination Building

One skidded combination building compartmentalized to accommodate the Cummins diesel engine/generator, electrical controls, fuel tank, accumulator, and tool room.

Building Skid:	3 runner wide flange beam skid
Building Skid Loading Rolls:	Skid loading rolls both ends
Building Roof Fold Down Handrail:	Handrails w/ kick plate around perimeter
Building Walkways:	Fold-down walkways on one side
Building Wall Panels:	Straight steel wall panels
Building Cable Arm:	Swing out exterior cable arm
Building Access Doors:	1 double & 2 single access doors
Building Roof Access:	Roof access ladder one end
Building Plug Board Access:	Exterior access door to plug board
Fuel Tank Capacity:	19,500 liters
Fuel Tank Serial #:	V2001
Fuel Tank TC Spec #:	TC44
Fuel Tank TCRN #:	25-0853
Fuel Tank Certification Date:	June 2011
Fuel Level Indicator:	Level indicator on tank exterior
Generator Room Electrical:	Plug board access, electrical function panels
Generator Room Lights:	3-48" dual led interior lights
Generator Room Fuel Tank:	Diesel fuel day tank
Generator Room Roof Hatch:	Fresh air roof hatch
Generator Engine Manufacturer:	Cummins
Generator Engine Model:	QSX15-G9
Generator Engine Displacement:	15 liters
Generator Engine #:	79476629
Generator Engine Family #:	ACEXL060.AAD
Generator Engine Reference #:	A034D657
Generator Engine Mount:	Independent skid, bolt lugged to floor
Generator Engine Radiator:	Integrally mounted to engine
Generator Engine Exhaust:	Single vertical exhaust
Generator Engine Battery Box:	Mounted adjacent to engine
Engine Generator Manufacturer:	Cummins
Engine Generator Model:	DFEK-A040B390

Engine Generator Serial #:	E110213057
Accumulator Manufacturer:	Mustang
Accumulator Serial #:	V24471
Accumulator Type:	5 station
Accumulator Back Up:	4-15 gallon back-up bottles
Accumulator Capacity:	8 x 11 US gal
Accumulator Pump MFR:	Weatherford
Accumulator Pump Type:	Triplex
Accumulator Pump Model:	T1-32m
Accumulator Pump DOM:	June 2011
Transformer Manufacturer:	Bemag
Transformer Model #:	UA3015P480
Air Compressor MFR:	Sullair
Air Compressor Model #:	ST1109AC
Air Compressor Serial #:	C03CC22329
Air Compressor Mount:	Horizontally mounted on 80 gal air receiver
Tool Room Lights:	2-48" dual fluorescent interior lights
Tool Room Heater MFR:	Ruffneck
Tool Room Heater Model:	FX5-480360-200-WT
Tool Room Heater Serial #:	RH162911
Oil Storage Tanks:	4-rectangular fluid storage tanks on stand
Oil Storage Tank Capacity:	45 gallon tanks
Oil Storage Tank Contents:	Anti -freeze, hydraulic oil, gear oil and 1540
Tool Room Bolt Bin:	Single door, upright multi compartment bins
Tool Room Storage Cabinet:	3 door upright parts storage cabinet
Tool Room Storage Cupboard:	2 door wall mounted parts cupboard
Tool Room Work Bench:	Steel work bench w/ Record #8 bench vise

2.5 Mud Pump Building

One skidded building that houses the F-1000 mud pump, Cummins diesel engine, drive assembly, suction/discharge lines, instrumentation gauges and wash gun pump as follows:

Building Skid:	3 runner wide flange beam skid
Building Skid Loading Rolls:	Skid loading rolls both ends
Building Walls:	Steel straight panel walls
Building Roof Access:	Roof access ladder on one end
Building Roof Fold Down Handrail:	Handrail w/ kick plate around perimeter
Building Access Doors:	3-single, 3-double access doors

Building Fold Down Walkways:	Walkways around 3 sides
Building Interior Lights:	5-48" dual fluorescent interior lights
Building Storage Cabinet:	2 door upright parts storage cabinet
Building Fuel Tank:	Vertical cylindrical diesel fuel day tank
Building Air Receiver:	Vertical cylindrical air receiver
Building Heater MFR:	Ruffneck
Building Heater Serial #:	RH116778
Liner Rack Table:	Steel rack, holds 6 liners
Shaker Screen Rack:	Complete with shaker screens
Building Storage Cupboard:	Corner wall mounted single door cupboard
Building Work Bench:	Steel bench with 2 door parts storage cabinet
Wash Gun Pump Manufacturer:	Cat Pump
Wash Gun Pump Model:	310
Wash Gun Pump Type:	Triplex
Wash Gun Pump Mount:	Mounted on independent skid
Wash Gun Hose Reel & Wand:	Complete with hose, hose reel and wand
Liner Wash Pump Manufacturer:	Jacuzzi
Liner Wash Pump Drive:	Direct coupled to electric motor
Liner Wash Pump Motor MFR:	Baldor Electric
Mud Pump Engine Manufacturer:	Cummins
Mud Pump Engine Serial #:	321645
Mud Pump Engine Exhaust:	Single vertical exhaust
Mud Pump Engine Horsepower:	980
Mud Pump Engine Transmission:	Rouse
Mud Pump Engine Drive:	Belt driven into mud pump
Mud Pump Engine Mount:	Cross mounted into pump
Mud Pump Engine Anchor:	Independent skid, bolt lugged to floor
Mud Pump Engine Radiator:	Integrally mounted to engine
Mud Pump Model:	F-1000
Mud Pump Type:	Triplex
Mud Pump Stroke Length:	10"
Mud Pump Rated Input Power:	1000 Hp
Mud Pump Maximum Strokes/Min:	140
Mud Pump Gear Ratio:	4.207 to 1
Pulsation Dampener:	20 gallon
Pressure Gauge Manufacturer:	Control Drilling
Pressure Gauge Type:	"D"

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Pressure Gauge Rating:	0-42,000 Kpa
Pressure Gauge Serial #:	43334
2" Gate Valve Manufacturer:	Oteco
4" Gate Valve Manufacturer:	Oteco
Shear Relief Valve Manufacturer:	Oteco

2.6 Water Tank/Doghouse

Water tank and Doghouse are manufactured for unison use. The doghouse houses the rig instrumentation and control center. The doghouse scopes into the water tank during rig moves. The water tank is manufactured with a separate pump and crew change rooms.

Water Tank Skid:	3 runner wide flange beam skid
Water Tank Loading Rolls:	Skid loading rolls both ends
Water Tank Access Ladder:	Access ladders on one side
Water Tank Access Stairs:	Fold down access stairs one side
Water Tank Fold Down Handrail:	Handrail w/ kick plate around perimeter
Water Tank Dump Gate:	Single dump gate
Change Shack Access:	Single access door
Change Shack Lights:	1-48" dual fluorescent interior lights
Change Shack Bench:	Steel sit bench
Change Shack Lockers:	16-mesh steel crew lockers
Change Shack Heater MFR:	Ruffneck
Change Shack Heater Model:	FX5-480360-200-WT
Change Shack Heater Serial #:	RH162909
Change Shack Amenities:	Mini-fridge, microwave
Change Shack Contents:	19-Square halogen exterior lights
Pump Room Access:	Single access door
Pump Room:	Unable to access at time of inspection
Doghouse Type:	Slide out style doghouse
Doghouse Raising System:	Sling line/cable raised
Doghouse Roof Access:	Roof access ladder
Doghouse Fold Down Handrail:	Handrail w/ kick plate around roof perimeter
Doghouse Stairs:	Removable stairs into doghouse from tank
Doghouse Access Doors:	2-single access doors with windows
Doghouse Interior Lights:	3-48" dual fluorescent interior lights
Doghouse Storage Bench:	Steel storage bench
Doghouse Knowledge Box:	Dual knowledge boxes w/ 2 door cabinet
Doghouse Parts Storage Cabinet:	2 door upright parts storage cabinet
Doghouse Lockers:	4-steel crew lockers

Doghouse Heater #1 MFR	Ruffneck
Doghouse Heater #1 Model:	FX5-480360-200-WT
Doghouse Heater #1 Serial #:	RH162912
Doghouse Heater #2 MFR:	Ruffneck
Doghouse Windows:	8 full view safety glass windows
Doghouse Electrical:	Electrical control panels
Doghouse Control Console:	Mustang control console
Doghouse Tool Storage Board:	Tool wall pegs to store/hold tools
Doghouse Safety:	Lockout box, earplug dispenser, eyewash

2.7 Mud Tank

The single mud tank consists of a skidded sloped bottom, 5 compartment tank, with grated tank top, King Cobra shale shaker, dual agitators, degasser and mud mix room.

Mud Tank Skid:	3 runner wide flange beam skid
Mud Tank Loading Rolls:	Skid loading rolls both ends
Mud Tank Type:	Slope bottom tank
Mud Tank Configuration:	5 compartment mud tank
Mud Tank Dump Gates:	5 dump gates
Mud Tank Top:	Grated steel tank top
Mud Tank Roof:	Fold down roof over tank
Mud Tank Access Stairs:	Fold down stairs shack side & shaker end
Mud Tank Degasser:	36" degasser
Shale Shaker Manufacturer:	King Cobra
Shale Shaker Serial #:	11150-0038
Mud Tank Agitators:	2-vertical agitators
Mud Tank Chemical Barrel:	Chemical mixing barrel on tank top
Mud Tank Mix Shack:	Integrally mounted to tank
Mix Shack Access:	Double access door
Mix Shack Lights:	2-48" dual fluorescent interior lights
Mix Shack Manifold:	Manifold with 9 butterfly valves
Mix Shack Mud Hopper:	Venturi style mud hopper
Mix Shack Pumps:	3 vertically mounted centrifugal pumps
Mix Shack Pump Size:	5 x 6 x 11
Mix Shack Screen Box:	Complete with suction screen box
Mix Shack Cabinets:	2-single door wall mounted storage cabinets
Mix Shack Heater MFR:	Ruffneck steam heater
Mix Shack Amenities:	Paper towel dispenser

Mix Shack Safety:	Eye wash station
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2.8 Catwalk/Manifold Shack

One hydraulically actuated skate catwalk complete with fabricated steel building to accommodate the hydraulic skate controls and vertically mounted choke & kill manifold.

Catwalk Construction:	Square tubing frame
Catwalk Loading Rolls:	Loading rolls both ends
Catwalk Swing Arms:	4-swing out pipe arms
Catwalk Skate:	Hydraulically actuated skate catwalk
Catwalk Stairs:	3-removable stairways
Manifold Shack:	Integrally mounted to catwalk
Manifold Shack Access:	1 double door, 1 single door
Manifold Shack Windows:	2-windows, 1-with safety bars
Manifold Shack Walls:	Straight steel panelled walls
Manifold Shack Interior Walls:	Insulated steel panelled interior walls
Manifold Shack Heater MFR:	Ruffneck
Manifold Shack Heater Model:	FX412-480360-10
Manifold Shack Interior Lights:	2-48" dual fluorescent interior lights
Manifold Shack Controls:	Hydraulic lever panels
Manifold Size:	3 x 2 choke & kill manifold
Manifold Valve Type:	Gate valve, NACE trim
Manifold Mount:	Vertically mounted
Manifold Blind Flanges:	2-2 1/16"
Manifold Weld Neck Flange:	1- 3 1/8" 3000
Manifold Companion Flanges:	2 1/16 - 5000 x 2" LP
Manifold Companion Flanges Serial #:	72098-1/72098-2

2.9 Boiler Building

One skidded oilfield building that accommodates the Saskatoon boiler and self-contained diesel fuel tank.

Building Skid:	3 runner wide flange beam skid
Building Loading Rolls:	Skid Loading rolls both ends
Building Fold Down Handrail:	Handrail w/ kick plate around perimeter
Building Dump Gate:	1-dump gate
Building Wall Panels:	Straight steel wall panels
Building Roof Access:	Roof access ladder on one end
Building Interior Lights:	4-48" dual fluorescent interior lights
Building Exterior Lights:	3-Square halogen exterior lights
Building Access Doors:	1-single door, 1-double door

Building Storage Cabinet:	2 door upright parts storage cabinet
Building Electrical:	Electrical control switches
Building Fuel Tank:	Integrally mounted diesel fuel tank
Building Fuel Level Indicator:	Fuel level sight gauge w/ mesh guard
Building Heater Manufacturer:	Ruffneck
Building Heater Model#:	FX5-480360-200-WT
Building Fire Safety:	1-20 pound fire extinguisher
Building Safety:	Eyewash station
Boiler Manufacturer:	Saskatoon Boiler
Boiler Serial #:	4533
Boiler Type:	Firetube
Boiler Licence #:	00019026
Boiler Certification:	Technical Safety Authority of Sask.

2.10 Miscellaneous Equipment Assets

Miscellaneous equipment components and complimentary assets are as follows:

2.10.1 Rig Matting:	14 steel/wood constructed mats
2.10.2 Pipe Rack	
2.10.3 Pipe Tubs:	8 steel constructed pipe tubs
2.10.4 Drill Pipe Racks	4-36' triangular racks
2.10.5 Drill Pipe:	Approximately 300-4", NC40 range II
2.10.6 Heavy Weight Drill Pipe:	Approximately 80-4" HWDP
2.10.7 Drill Collars:	Approximately 12-6 ½" diameter
2.10.8 Front End Loader	
– Loader Manufacturer:	Komatsu
– Loader Model:	WA200PZ-6
– Loader Serial #:	K0684
2.10.9 Water Truck	
– Water Truck Manufacturer:	Western Star
– Water Truck Date of Manufacture:	2012
– Water Truck Model #:	4900FA
– Water Truck Engine:	Detroit DD15
– Water Truck Serial #:	5KKHAEDRXCPBF4844
– Water Truck Front Tire Size:	385/65R22.5
– Water Truck Rear Tire Size:	11R24.5
– Water Tank Mount:	Elliptical tank mounted to truck
2.10.10 Water Truck Trailer	

2.10.11 Flock Tank	2-50m ³
2.10.12 Shale Tank	10' x 40'
2.10.13 Flare Tank	9m ³
2.10.14 Counterweight	
2.10.15 Rig Manager's Trailer	

Parcel 3 – Vortex Rig 3

3 Rig 3

One complete modular drilling rig package with major equipment asset components, as follows:

3.1 Mast

One telescopic double mast, steel constructed, complete with plumbed electrical and hydraulic components, 4 sheave crown with fast line and monkey board.

Mast Design:	R.A. Hodgson Industrial Engineering
Mast Model #:	MT104-9.5-400E
Mast Date of Manufacture:	October 2013
Mast Type:	Telescoping Double
Mast Serial #:	QF-2815-13-82
Mast Height:	106'/32.3m
Mast Base Width:	9'6"/2.90m
Maximum Static Hook Load:	422,400 lbs/188,000 daN (8 lines)
Mast Monkey Board:	Integrally mounted
Mast Raising Cylinders:	Dual, multi stage hydraulic cylinders
Mast Ladder:	Integrally mounted to mast
Mast Stand Pipe:	Integrally mounted
Mast Tugger Winch Manufacturer:	Dual Pullmaster winches
Mast Tugger Winch Model #:	PL8
Block & Hook Manufacturer:	McKinney Machine
Block & Hook Model:	Arctic T250
Block & Hook Static Load Capacity:	250 Ton
Block Serial #:	41332-2
Hook Serial #:	40902
Block & Hook Inspection:	Nortech Advanced NDT
Block & Hook Inspection File #:	M-156438
Block & Hook Inspection:	T & T Inspections
Block & Hook Inspection Report #:	42652
Block & Hook Inspection:	Iris NDT
Block & Hook Inspection Report #:	CG34-UT15
Load Test Report:	Alco
Load Test Work Order #:	28215/34835
Block & Hook Certification:	Johansson Engineering Ltd.

Block & Hook Certification Date:	October 8, 2013
Rotary Swivel Manufacturer:	McKinney Machine
Rotary Swivel Model #:	Arctic T-200
Rotary Swivel Serial #:	40951
Rotary Swivel Capacity:	200 Ton
Rotary Swivel Inspection:	T&T Inspections
Rotary Swivel Inspection Report#:	43631
Rotary Swivel Engineering File #:	140421652
Rotary Swivel Certification:	T&T Inspections
Rotary Swivel Certification Date:	April 7, 2014
Rotary Tong Model:	AAX
Rotary Tong Serial #:	IM0007-IM0008
Rotary Tong Type:	Manual
Rotary Tong Jaws:	16 lug jaws
Rotary Tong Inspection:	Nortech Advanced NDT
Rotary Tong Inspection Stamp/Report#:	M-151150
Rotary Tong Certification:	Nortech Advanced NDT
Rotary Tong Certification Date:	May 16, 2013
Rotary Tong Engineering File #:	E-31734
Rotary Tong Load Test #:	LTT-0513-48001-2016
Rotary Tong Rated Capacity:	55,000 ft lbs
Elevator Bail Link Size:	2 ¼" x 96"
Elevator Bail Link Identification #:	M-148596
Elevator Bail Link Capacity:	250 Ton
Elevator Bail Link Inspection:	Nortech Advanced NDT
Elevator Bail Link Engineering File #:	E-31568
Elevator Bail Link Certification:	Nortech Advanced NDT
Elevator Bail Link Certification File #:	E-31568
Elevator Bail Link Certification Date:	March 28, 2013
Drill Pipe Elevator Manufacturer:	Mud King
Drill Pipe Elevator Size:	To accommodate 4" drill pipe
Drill Pipe Elevator Rating:	175 Ton
Drill Pipe Elevator Serial #:	40905
Drill Pipe Elevator Work Order #:	ICE-04219
Drill Pipe Elevator Certification:	Icon Energy Services
Drill Pipe Elevator Certification Date:	November 24, 2014

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3.2 Substructure

One step-down substructure to accommodate the above mast, complete with loading beams, drawworks carrier deck, rotary beams, drawworks master skid, working floor and BOP cellar area.

Substructure Model:	Hodgson ST14-14.2-400G
Substructure Serial #:	QF-2814-13-87
Substructure Date of Manufacture:	October 2013
Substructure Type:	Step Down
Substructure Floor Height:	14'
Substructure Max Static Rotary Capacity:	400,000 lbs
Substructure Setback Capacity:	350,000 lbs
Substructure Certification:	R.A. Hodgson Industrial Engineering
Substructure Certification File #:	5670-S
Substructure Certification Date:	2013
Substructure Walls:	Steel crossed crimped panels
Substructure Lights:	2-48" LED exterior lights
Substructure BOP Handling:	Integral BOP lift system
Substructure Heaters:	Dual Ruffneck steam heaters
Rotary Table:	Mounted at well center
Rotary Table Size:	17 ½" x 44"
Rotary Table Drive:	Elevated chain drive from drawworks
Annular BOP Manufacturer:	Shenkai Petroleum
Annular BOP Model:	Shenkai Spherical Annular
Annular BOP Size:	9"
Annular BOP Pressure Rating:	3000 psi
Annular BOP Litres to Open:	19.03
Annular BOP Litres to Close:	27.36
Annular BOP Serial #:	101
Annular BOP Job#:	71637
Annular BOP Trim:	NACE
Annular BOP Certification:	Alberta Petroleum Industries
Annular BOP Certification Date:	December 2, 2015
Annular BOP Certification Renewal:	November 30, 2019
Blind Ram Manufacturer:	Shenkai Petroleum
Blind Ram Size:	9"
Blind Ram Pressure Rating:	3000 psi
Blind Ram Litres to Open:	2.57
Blind Ram Litres to Close:	2.91

Blind Ram Model:	LWP
Blind Ram Serial #:	212
Blind Ram Job #:	71639
Blind Ram Trim:	NACE
Blind Ram Certification:	Alberta Petroleum Industries
Blind Ram Certification Date:	December 10, 2015
Blind Ram Certification Renewal:	November 30, 2019
Pipe Ram Manufacturer:	Shenkai Petroleum
Pipe Ram Size:	9"
Pipe Ram Pressure Rating:	3000 psi
Pipe Ram Litres to Open:	2.57
Pipe Ram Litres to Close:	2.91
Pipe Ram Model:	LWP
Pipe Ram Serial #:	190
Pipe Ram Job #:	71638
Pipe Ram Trim:	NACE
Pipe Ram Certification:	Alberta Petroleum Industries
Pipe Ram Certification Date:	December 2, 2015
Pipe Ram Certification Renewal:	November 30, 2019
Working Spool Manufacturer:	Alberta Petroleum Industries
Working Spool Flange Size:	9' 3000
Working Spool #1 Outlet Size:	3 1/8" 3000
Working Spool #2 Outlet Size:	2 1/16" 5000
Working Spool Overall Length:	17"
Working Spool Serial #:	64054-03
Working Spool Job #:	71643
Working Spool Pressure Rating:	3000
Working Spool Trim:	NACE
Working Spool Certification:	Alberta Petroleum Industries
Working Spool Certification Date:	December 17, 2016
Working Spool Certification Renewal:	November 30, 2019
Change Over Spool Manufacturer:	Alberta Petroleum Industries
Change Over Spool Upper Flange:	11" 3000/2000
Change Over Spool Lower Flange:	9" 3000
Change Over Spool Outlet Size:	Dual 2 1/16" 5000# @ 180 degree
Change Over Spool Overall Length:	16"
Change Over Spool Serial #:	64054-08

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Change Over Spool Job #:	71641
Change Over Spool Trim:	NACE
Change Over Spool Certification:	Alberta Petroleum Industries
Change Over Spool Certification Date:	December 16, 2016
Change Over Spool Certification Renewal:	November 30, 2019
#1 HCR Valve Manufacturer:	KBV
#1 HCR Valve Size:	3 1/8"
#1 HCR Valve Pressure Rating:	3000 psi
#1 HCR Valve Serial #:	014143057
#1 HCR Valve Type:	Gate valve
#1 HCR Valve Trim:	NACE
#1 HCR Valve Certification:	Alberta Petroleum Industries
#1 HCR Valve Certification Date:	October 3, 2016
#2 HCR Valve Manufacturer:	KBV
#2 HCR Valve Size:	2 1/6"
#2 HCR Valve Pressure Rating:	5000 psi
#2 HCR Valve Serial #:	L1212207/L1212156/L1212098/L1212081
#2 HCR Valve Type:	Gate valve
#2 HCR Valve Trim:	NACE
#2 HCR Valve Certification:	Alberta Petroleum Industries
#2 HCR Valve Certification Date:	January 1, 2014

3.3 Drawworks

One drawworks master skid complete with one Ratmaster 750 drawworks, Cummins drive engine, elevated chain case drive, hydraulic survey line winch, glycol and hydraulic tanks as follows:

Drawworks Manufacturer:	Revolution Equipment
Drawworks Model #:	REM-850
Drawworks Serial #:	850-2484018
Drawworks Date of Manufacture:	October 2013
Drawworks Wire Line Anchor:	On off-drillers side
Drawworks Horsepower Rating:	850
Drawworks Brake Flange Size:	46" x 10"
Drawworks Auxiliary Brake:	Eaton 236WCBD
Drawworks Drive:	Input to right angle gear box
Drawworks Skid:	To accommodate drawworks and engine
Drawworks Fold-Down Handrail:	Handrail w/kick plate around perimeter
Drawworks Skid Mast Rack:	Located at front of drawworks skid

Drawworks Lights:	4-48" LED lights
Drawworks Engine Manufacturer:	Cummins
Drawworks Engine Model:	QSX19
Drawworks Engine Serial #:	37239189
Drawworks Engine Horsepower:	780
Drawworks Engine Fuel Type:	Diesel
Drawworks Engine Radiator:	Integrally mounted to engine
Drawworks Engine Exhaust:	Single exhaust directed to front of skid
Drawworks Engine Battery Box:	Mounted adjacent to engine
Drawworks Engine Transmission MFR:	Allison
Drawworks Engine Transmission Serial #:	3110117961
Drilling Line Spool:	Mounted on drawworks master skid
Drilling Line Size:	1-1/8"
Survey Line Winch Manufacturer:	Grayco
Survey Line Winch Model #:	FW-12-20-1
Survey Line Winch Serial #:	GML-0338-GSL-R093
Survey Line Winch:	Post mounted near drawworks drum
Survey Line Winch Type:	Hydraulically actuated
Survey Line Winch Size:	.092" Wire
Hydraulic Oil Tank Configuration:	Rectangular steel tank
Hydraulic Oil Tank Plumbing:	To 3 stage hydraulic pump
Hydraulic Oil Tank Cooler:	Remote oil cooler rad
Hydraulic Oil Tank Cooler Rad Drive:	Direct driven by electric motor
Cooler Rad Drive Motor Horsepower:	10
Cooler Rad Drive Motor Cat #:	NIPZ1511C-4
Drill Floor Access Stairs:	From drawworks floor to drill floor
Mud Tank Access Platform:	From drawworks skid to mud tank
Ground Level Access Stairs:	From drawworks skid to ground level

3.4 Combination Building

One skidded combination building compartmentalized to accommodate the Cummins diesel engine/generator, electrical controls, fuel tank, accumulator, and tool room.

Building Skid:	3 runner wide flange beam skid
Building Skid Loading Rolls:	Skid loading rolls both ends
Building Roof Fold Down Handrail:	Handrails w/ kick plate around perimeter
Building Walkways:	Fold-down walkways on one side
Building Wall Panels:	Straight steel wall panels
Building Cable Arm:	Swing out exterior cable arm
Building Access Doors:	1 double louvered & 2 single access doors
Building Roof Access:	Roof access ladder one end
Building Plug Board Access:	Exterior access door to plug board
Building Exterior Lights:	7-square halogen exterior lights
Fuel Tank Manufacturer:	Thunder & Lightning
Fuel Tank Capacity:	19,500 liters
Fuel Tank Serial #:	TW21149
Fuel Tank TC Spec #:	TC44
Fuel Tank Date of Manufacture #:	February 2014
Fuel Tank Certification Date:	August 2014
Fuel Level Indicator:	Level indicator on tank exterior
Generator Room Electrical:	Plug board access, electrical function panels
Generator Room Lights:	4-48" LED interior lights
Generator Room Fire Safety:	1-40 pound fire extinguisher
Generator Room Safety:	Emergency stretcher
Generator Room Fuel Tank:	Diesel fuel day tank
Generator Room Roof Hatch:	Fresh air roof hatch
Generator Engine Manufacturer:	Cummins
Generator Engine Model:	QSX15-G9
Generator Engine Displacement:	15 liters
Generator Engine #:	79608131
Generator Engine Family #:	ACEXL060.AAD
Generator Engine Reference #:	A034D657
Generator Engine Mount:	Independent skid, bolt lugged to floor
Generator Engine Radiator:	Integrally mounted to engine
Generator Engine Exhaust:	Single vertical exhaust
Generator Engine Battery Box:	Mounted adjacent to engine
Engine Generator Model:	DFEK-A043T573

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Engine Generator Serial #:	E110213057
Accumulator Serial #:	4855
Accumulator Type:	5 station
Accumulator Back Up:	4-15 gallon back-up bottles
Accumulator Capacity:	8 x 11 Us gal
Accumulator Pump MFR:	Weatherford
Accumulator Pump Type:	Triplex
Accumulator Pump Model:	T1-32
Accumulator Pump Motor Manufacturer:	Baldor
Accumulator Pump Motor Serial #:	1207010005
Transformer Manufacturer:	Hammond Power
Transformer Part #:	NMK075KB
Air Compressor MFR:	Ingersol Rand
Air Compressor Serial #'s:	CBV257478/CBV257270
Air Compressor Mount:	Horizontally mounted on 60 gal air receiver
Tool Room Lights:	2-48" dual LED interior lights
Tool Room Heater MFR:	Ruffneck
Tool Room Heater Model:	FX5-480360-50-WT
Tool Room Heater Serial #:	RH190866
Oil Storage Tanks:	4-rectangular fluid storage tanks on stand
Oil Storage Tank Capacity:	45 gallon tanks
Oil Storage Tank Contents:	Motor oil, hydraulic oil, & gear oil
Tool Room Bolt Bin:	Single door, upright multi compartment bins
Tool Room Storage Cabinet:	3 door upright parts storage cabinet
Tool Room Storage Cupboard:	2 door wall mounted parts cupboard
Tool Room Work Bench:	Steel work bench w/ bench vise
Tool Room Tool Storage Pegs:	Wall mounted tool storage pegs
Tool Room Amenities:	Paper towel dispenser
Tool Room Fire Safety:	1-40 pound fire extinguisher

3.5 Mud Pump

3.5A Mud Pump Building #1

Two skidded buildings that houses the F-1000 mud pump, Cummins diesel engine, drive assembly, suction/discharge lines, instrumentation gauges and wash gun pump as follows:

Building Skid:	3 runner wide flange beam skid
Building Skid Loading Rolls:	Skid loading rolls both ends
Building Walls:	Steel straight panel walls
Building Roof Access:	Roof access ladder on one end

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Building Roof Fold Down Handrail:	Handrail w/ kick plate around perimeter
Building Access Doors:	3-single access
Building Louvered Door:	1 Louvered door on rad end
Building Fold Down Walkways:	Walkways around 2 sides
Building Interior Lights:	4-48" LED interior lights
Building Exterior Lights:	4-square halogen exterior lights
Building Storage Cabinet:	Corner mounted single door cabinet
Building Fuel Tank:	Vertical cylindrical diesel fuel day tank
Building Air Receiver:	Vertical cylindrical air receiver
Building Fire Safety:	1-20 pound fire extinguisher
Building Safety:	Eyewash station
Mud Pump Engine Radiator:	Remote radiator
Mud Pump Engine Radiator MFR:	Cummins
Mud Pump Engine Radiator Mount:	Independent skid
Mud Pump Engine Radiator Drive:	Electric motor
Mud Pump Engine Radiator Motor MFR:	CE
Mud Pump Engine Radiator Motor Model:	MCC-48V
Mud Pump Engine Radiator Motor Serial #:	45668
Mud Pump Engine Radiator Motor Design:	"C"
Mud Pump Engine Radiator Motor Code:	"G"
Mud Pump Engine Radiator Motor HP:	25
Mud Pump Engine Radiator Motor Type:	TEFC
Mud Pump Engine Manufacturer:	Cummins
Mud Pump Engine Serial #:	323272
Mud Pump Engine Exhaust:	Single vertical exhaust
Mud Pump Engine Horsepower:	950
Mud Pump Engine Transmission:	Rouse
Mud Pump Engine Transmission Serial #:	1338
Mud Pump Engine Drive:	Belt driven into mud pump
Mud Pump Engine Mount:	Independent skid, bolt lugged to floor
Mud Pump Engine Adjustment:	Turnbuckle style adjustment sliders
Mud Pump Model:	F-1300
Mud Pump Type:	Triplex
Mud Pump Serial #:	11015C
Pulsation Dampener:	20 gallon
Pressure Gauge:	Could not read tag at time of inspection
2" Gate Valve Manufacturer:	Oteco

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2" Gate Valve Serial #:	108597
4" Gate Valve Manufacturer:	Oteco
Shear Relief Valve Manufacturer:	Oteco
Wash Gun Pump Manufacturer:	Cat Pumps
Wash Gun Pump Model:	550
Wash Gun Pump Type:	Triplex
Wash Gun Pump Drive:	Belt driven to electric motor
Wash Gun Pump Assembly Mount:	Steel wall mounted shelf
Wash Gun Pump Hose Reel & Wand:	Complete with hose, hose reel & wand
Lubricator Pump Manufacturer:	Tuthill
Lubricator Pump Serial #:	CC110P917CV
Lubricator Pump Drive:	Direct coupled to electric motor
Lubricator Pump Motor Manufacturer:	Baldor
Lubricator Pump Motor Cat#:	M3558
Lubricator Pump Motor Spec #:	35H1876F8059
Lubricator Pump Motor Horsepower:	2
Lubricator Pump Motor Voltage:	230/460
Lubricator Pump Motor Amperage:	6.5/6.3
Lubricator Pump Motor RPM:	1725
Liner Wash Pump Manufacturer:	Franklin
Liner Wash Pump Drive:	Direct coupled to electric motor

3.5B Mud Pump Building #2

Building Skid:	3 runner wide flange beam skid
Building Skid Loading Rolls:	Skid loading rolls both ends
Building Walls:	Steel straight panel walls
Building Roof Access:	Roof access ladder on one end
Building Roof Fold Down Handrail:	Handrail w/ kick plate around perimeter
Building Access Doors:	3-single access
Building Louvered Door:	1 Louvered door on rad end
Building Fold Down Walkways:	Walkways around 2 sides
Building Interior Lights:	4-48" LED interior lights
Building Fire Safety:	1-20 pound fire extinguisher
Building Storage Cupboard:	3 door parts storage cupboard
Building Work Bench:	Steel work bench w/bench vise
Building Heater #1 Manufacturer:	Ruffneck
Building Heater #1 Model:	FRI24

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Building Heater #2 Manufacturer:	Ruffneck
Building Heater #2 Model:	FRI24
Building Transformer Manufacturer:	Hammond Power
Building Fuel Tank:	Vertical cylindrical diesel fuel day tank
Building Air Receiver:	Vertical cylindrical air receiver
Mud Pump Engine Radiator:	Remote radiator
Mud Pump Engine Radiator Mount:	Independent skid
Mud Pump Engine Radiator Drive:	Electric motor
Mud Pump Engine Radiator Motor MFR:	Leeson
Mud Pump Engine Radiator Motor Cat #:	G150003.00
Mud Pump Engine Radiator Motor Model:	C324T11FB5D
Mud Pump Engine Radiator Motor Frame #:	324T
Mud Pump Engine Radiator Motor Serial #:	110007
Mud Pump Engine Radiator Motor Design:	"B"
Mud Pump Engine Radiator Motor Type:	TEFC
Mud Pump Engine Radiator Motor Volts:	190/300
Mud Pump Engine Radiator Motor Amps:	63/31.5
Mud Pump Engine Manufacturer:	Cummins
Mud Pump Engine Serial #:	325666
Mud Pump Engine Exhaust:	Single vertical exhaust
Mud Pump Engine Horsepower:	950
Mud Pump Engine Transmission:	Rouse
Mud Pump Engine Transmission Serial #:	1337
Mud Pump Engine Drive:	Belt driven into mud pump
Mud Pump Engine Mount:	Independent skid, bolt lugged to floor
Mud Pump Engine Adjustment:	Turnbuckle style adjustment sliders
Mud Pump Model:	F-1300
Mud Pump Type:	Triplex
Mud Pump Serial #:	11014C
Pulsation Dampener:	20 gallon
2" Gate Valve Manufacturer:	Oteco
4" Gate Valve Manufacturer:	Oteco
Shear Relief Valve Manufacturer:	Oteco
Liner Wash Pump Manufacturer:	Jacuzzi
Liner Wash Pump Drive:	Direct coupled to electric motor
Liner Wash Pump Motor MFR:	Marathon
Liner Wash Pump Motor Model:	15KC33MN2502BX
Liner Wash Pump Motor RPM:	3450
Liner Wash Pump Motor Code:	"M"

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3.6 Water Tank/Doghouse

Water tank and Doghouse are manufactured for unison use. The doghouse houses the rig instrumentation and control center. The doghouse scopes into the water tank during rig moves. The water tank is manufactured with a separate pump and crew change rooms.

Water Tank Skid:	3 runner wide flange beam skid
Water Tank Loading Rolls:	Skid loading rolls both ends
Water Tank Access Ladder:	Access ladders on tank side
Water Tank Access Stairs:	Fold down access stairs one side
Water Tank Fold Down Handrail:	Handrail w/ kick plate around perimeter
Water Tank Dump Gate:	Single dump gate
Change Shack Access:	Single access door
Change Shack Lights:	2-48" LED interior lights
Change Shack Interior Panels:	Insulated interior wall panels
Change Shack Bench:	Steel sit bench
Change Shack Lockers:	16-mesh steel crew lockers
Change Shack Heater MFR:	Ruffneck
Change Shack Heater Model:	FX5-480360-150-WT
Change Shack Heater Serial #:	RH167198
Change Shack Amenities:	Mini-fridge, paper towel dispenser
Change Shack Safety:	Eyewash station, ear plug dispenser
Pump Room Access:	Single access door
Pump Room Interior Lights:	1-48" LED interior light
Pump Room Transformer MFR:	Hammond
Pump Room Transformer Serial #:	CB551876
Pump Room Transformer Part#:	C3F009KBS
Pump Room Heater Manufacturer:	Ruffneck
Pump Room Heater Model:	FX5-480360-100-WT
Pump Room Heater Serial #:	RH179282
Wash Gun Pump Manufacturer:	Cat Pumps
Wash Gun Pump Model:	Cat 550
Wash Gun Pump Mount:	Mounted on independent skid
Wash Gun Pump Hose Reel & Wand:	Complete with hose, reel & wash wand
Wash Gun Pump Drive:	Driven by an electric motor
Wash Gun Pump Motor MFR:	Optimum
Water Pumps:	Dual water pumps
Water Pump Drive:	Dual pumps driven by electric motors
Doghouse Type:	Slide out style doghouse

Doghouse Raising System:	Sling line/cable raised
Doghouse Roof Access:	Roof access ladder
Doghouse Fold Down Handrail:	Handrail w/ kick plate around roof perimeter
Doghouse Stairs:	Removable stairs into doghouse from tank
Doghouse Access Doors:	2-single access doors with windows
Doghouse Interior Lights:	3-48" LED interior lights
Doghouse Exterior Lights:	4-square halogen exterior lights
Doghouse Storage Bench:	Steel storage bench
Doghouse Knowledge Box:	Dual knowledge boxes w/2 door cabinet
Doghouse Parts Storage Cabinet:	3 door upright parts storage cabinet
Doghouse Lockers:	4-steel crew lockers
Doghouse Heater #1 MFR	Ruffneck
Doghouse Heater #1 Model:	FX5-480360-200-WT
Doghouse Heater #1 Serial #:	RH179274
Doghouse Heater #2 MFR:	Ruffneck
Doghouse Windows:	7 full view safety glass windows
Doghouse Electrical:	Electrical control panels
Doghouse Control Console:	Mustang control console
Doghouse Tool Storage Board:	Tool wall pegs to store/hold tools
Doghouse Safety:	Lockout box, earplug dispenser, eyewash
Doghouse Amenities:	Paper towel dispenser
Doghouse Fire Safety:	1-20 pound fire extinguisher

3.7 Mud Tank

The single mud tank consists of a skidded sloped bottom, 5 compartment tank, with grated tank top, King Cobra shale shaker, dual agitators, degasser and mud mix room.

Mud Tank Skid:	3 runner wide flange beam skid
Mud Tank Loading Rolls:	Skid loading rolls both ends
Mud Tank Type:	Slope bottom tank
Mud Tank Configuration:	5 compartment mud tank
Mud Tank Dump Gates:	5 dump gates
Mud Tank Top:	Grated steel tank top
Mud Tank Roof:	Fold down roof over tank
Mud Tank Lights:	5-48" LED lights
Mud Tank Access Stairs:	Fold down stairs shack side & shaker end
Mud Tank Fold Down Platform:	Fold down platform on shaker side
Mud Tank Degasser:	36" degasser

Shale Shaker Manufacturer:	King Cobra
Shale Shaker Serial #:	130134
Mud Tank Agitators:	2-vertical agitators
Mud Tank Chemical Barrel:	Chemical mixing barrel on tank top
Mud Tank Heater Manufacturer:	Ruffneck
Mud Tank Heater Model:	FR1-24-A1A1-2A
Mud Tank Heater Serial #:	RH190704
Mud Tank Mix Shack:	Integrally mounted to tank
Mix Shack Access:	Double access door
Mix Shack Interior Lights:	2-48" LED interior lights
Mix Shack Cabinets:	2-single door, wall mounted cabinets
Mix Shack Heater Manufacturer:	Ruffneck
Mix Shack Manifold:	Manifold with 11 butterfly valves
Mix Shack Mud Hopper:	Venturi style mud hopper
Mix Shack Pumps:	3 vertically mounted centrifugal pumps
Mix Shack Pump Size:	5 x 6 x 11
Mix Shack Pump Drive:	All driven by electric motors
Mix Shack Amenities:	Paper towel dispenser
Mix Shack Safety:	Eyewash station

3.8 Catwalk/Manifold Shack

One hydraulically actuated skate catwalk complete with fabricated steel building to accommodate the hydraulic skate controls and vertically mounted choke & kill manifold.

Catwalk Construction:	Square tubing frame
Catwalk Loading Rolls:	Loading rolls both ends
Catwalk Swing Arms:	4-swing out pipe arms
Catwalk Skate:	Hydraulically actuated skate catwalk
Catwalk Stairs:	4-removable stairways
Catwalk Levelling Jacks:	8 levelling jacks
Manifold Shack:	Integrally mounted to catwalk
Manifold Shack Access:	1 double door, 1 single door
Manifold Shack Windows:	2-windows with safety bars
Manifold Shack Walls:	Straight steel paneled walls
Manifold Shack Interior Walls:	Insulated steel paneled interior walls
Manifold Shack Fire Safety:	1-20 pound fire extinguisher
Manifold Shack Safety:	Eyewash station
Manifold Shack Interior Lights:	2-48" LED interior lights

Manifold Shack Controls:	Hydraulic lever panels
Manifold Size:	3 x 2 choke & kill manifold
Manifold Valve Type:	Gate valve, NACE trim
Manifold Mount:	Vertically mounted

3.9 Boiler Building

One skidded oilfield building that accommodates the Saskatoon boiler and self-contained diesel fuel tank.

Building Skid:	3 runner wide flange beam skid
Building Loading Rolls:	Skid Loading rolls both ends
Building Fold Down Handrail:	Handrail w/kick plate around perimeter
Building Dump Gate:	1-dump gate
Building Wall Panels:	Straight steel wall panels
Building Roof Access:	Roof access ladder on one end
Building Interior Lights:	4-48" LED interior lights
Building Access Doors:	1-single door, 1-double door
Building Storage Cabinet:	2 door upright parts storage cabinet
Building Fire Safety:	1-20 pound fire extinguisher
Building Safety:	Eyewash station
Building Electrical:	Electrical control switches
Building Fuel Tank:	Integrally mounted diesel fuel tank
Building Fuel Level Indicator:	Fuel level sight gauge w/mesh guard
Building Transformer Manufacturer:	Hammond Power
Building Transformer Serial #:	CB551703
Building Transformer Part#:	C3F009KBS
Building Heater Manufacturer:	Ruffneck
Building Heater Model:	FX5-480360-200-WT
Building Heater Serial #:	RH190876
Boiler Manufacturer:	Saskatoon Boiler
Boiler Type:	Firetube
Boiler Serial #:	4743
Boiler Licence #:	0029573

3.10 Miscellaneous Equipment Assets

Miscellaneous equipment components and complimentary assets are as follows:

3.10.1	Rig Matting:	20 steel/wood constructed mats
3.10.2	Pipe Rack	
3.10.3	Pipe Tubs:	8 steel constructed pipe tubs
3.10.4	Drill Pipe Racks:	4-36' triangular racks
3.10.5	Drill Pipe:	Approximately 300-4" NC40 range II
3.10.6	Heavy Weight Drill Pipe:	Approximately 80-4" NC40
3.10.7	Drill Collars:	Approximately 12-6 ½" diameter
3.10.8	Front End Loader:	
	– Loader Manufacturer:	Komatsu
	– Loader Model:	WA200
	– Loader Serial #:	K3146
3.10.9	Water Truck:	
	– Water Truck Manufacturer:	Western Star
	– Water Truck Date of Manufacture:	2014
	– Water Truck Model #:	4900FA
	– Water Truck Engine:	Detroit DD16
	– Water Truck Serial #:	SKKHAED13EPFS1844
	– Water Truck Front Tire Size:	385/65R22.5
	– Water Truck Rear Tire Size:	11R24.5
	– Water Tank Mount:	Elliptical tank mounted to truck
3.10.10	Water Truck Trailer:	
3.10.11	Flock Tank	1-50m ³
3.10.12	Shale Tank	10' x 40'
3.10.13	Flare Tank	
3.10.14	Counterweight	9m ³
3.10.15	Rig Manager's Trailer	

Parcel 4 – Other equipment and inventory

4.1 Equipment

Description	Quantity	Size	Serial #
2008 Dodge Truck	1		3D6WD78A48G239590
2013 Dodge Ram 2500 Crew cab 4x4	1		3C6TR5GT8DG606204
30' x 7' wooden platforms	2		
Arctic T-200 Swivel	1		40954
Brake Bands	2	4' round by 10" high	
Drill Pipe	5	7" x 20' long	
Drill Pipe	82	30' long x 4 1/4"	
Drill Pipe	83	32' long x 4 1/4"	
Fiberglass water lines	6	30' long	
Friedrich Room Air Conditioner	2		
Green Drill Pipe	2	38' long x 6"	
JMB Company Inc. Forks for loader	1		1104-141003-1
Komatsu Loader WA380	1		71662
Lifts of assorted pre fabs	2		
Load Max Trailer	1	30' trailer 9' hitch	34282
Loader tire and rim	1		
Pipe Racking	2	35' long	
Pipe Racking	2	30' long	
Pipe Tub	1	35'	
RG ZP175 Rotary Table	1		08156
Top Drive Block	1		
TrailTech flat deck	1	32' trailer / 9' hitch	2CU59ATL1E2034445
TrailTech flat deck	1	20' long	2CU53ALA0D2033561

4.2 Parts Inventory/Shop Equipment

Description	Quantity	Model	Serial #
10,000' of survey line	1		
130' sala blocks	4		
16" Rotary hoisting clutch bag	1		
19 litre floor motor fan for a Cummins	1		

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Description	Quantity	Model	Serial #
20 Gallon Dampener	1		
20' Sala block	1		
200' Boom line	1		
25 gallon air tank	1		305570
3" water pump	1		
6" heads for F1000	5		
85' sala block	1		
Aluminum reservoir	1		
Annular bag	1		
Assorted lengths of blue water hose	3		
Assorted pumps, motors, valves and flanges	8		
Assorted rig phone parts (wired)	1		
Assortment of Crown saver parts	1		
Barksdale heat sensor	1		
Battery Charger	1		
Battery Chargers	2		
Bell subs	2		
Bit sub 3 1/2"	1		
Bit sub 4 1/2"	1		
Block heater for 19 LT	1		
Boiler fan	1		
Boiler fuel pump motor	1		
Boiler pop valve	1		
BOP shut off	1		
Box of hardware for an air bag	1		
Box of repair parts for agitators for mud tanks	1		
Bumper block for a catwalk	1		
Burks E57M water pump for boiler (blue)	1		C16/0841/1212
Cable straps	2		
Cables	2		
Chelsea pump	1		
Crossover 4" full hole	1		
Cub-Cadet Zero-Turn riding mower	1		
Cummins Diesel Generator QSX15 Litre	1		
Double pin subs	4		

Description	Quantity	Model	Serial #
Drawworks chain	1		
Drilling spool	1		
Extra hole 4 1/2"	2		
F1300 6" heads and liners	3		
Fast throttle	1		
Filter for an oil tank pump	1		
Hoisting clutch	1		
Hydraulic filtration system	1		
Hydraulic HCR	1		
Hydraulic HCR	1		
Hydraulic parts for a chop drive setup	2		
Hydraulic pump	1		
Inside BOP 4"	1		
Kelly Bushings	1		
Kicker hose	1		
Kill line hose	1		
Kill line valves	2		
Lifting lugs	4		
Line pole gauge (red crate)	1		
Lugs for spreaders	9		
Manifold gauges	3		
Manual HCR	1		
Max motion inverter duty hydraulic pump motor	1	Model MQC-48W	4567
McDonnell & Miller flow switch	1		
Metal storage box	1		
Miscellaneous fuel and hydraulic hoses	1		
Module for an F1000	1		
Morris coupler	1		
Mr. Heater 210,000 btu	1		
Nissan 60 forklift	1		MUG1F2A30LV
Old air tank	1		
Outside flood light	1		
Parts for a wired phone set	1		
Phone set (wireless)	1		
Phone set (wireless)	1		
Pipe shredder	1		

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Description	Quantity	Model	Serial #
Pipe Spinner Can 700	1		
Porta Power Enerpac	1		
Rotary chain	1		
Rotary clutch	1		
Rotary table lugs	4		
Ruffneck Heater	1		FX412-480360-10-4164-1884
Scott air packs	6		
Set of collar slips	1		
Set of pump belts for F1000	1		
Set of rotary table bushings	1		
Set of tongs	1		
Set of tongs with jaws	1		
Shells for mixers on mud tanks	3		
Shop vac	1		
Spare air bottles	4		
Spare cord	1		
Stand up cabinets with assorted tools and equipment	2		
Tong jaws for tongs machine (wooden box)	2		
Tool box	1		
Tow rope	1		
Trays of BOP gaskets and rubbers	6		
Turbo off floor motor	1		
Upright tool cabinet	1		
Water pump motor for boiler (green)	1		
Weight indicators	2		
Yard sprayer	1		

4.3 Office Equipment

Description	Quantity
Cleaning supplies	Various
Desks	4
Fridge	1
Office cabinets	8
Office chairs	5

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Office supplies	Various
Paper shredders	2
Printer	1
Studio chairs	8

SCHEDULE "C"

Saskatchewan Personal Property Registry

Debtor	Secured Party	General Collateral Description	Registration Number and Date	Comments/Expiry Date
Vortex Drilling	Radius Credit Union Limited	General Property: All Present and After-Acquired property of the Debtor	Registration #: 300944680 October 29, 2012	Expiry Date: October 29, 2022
Vortex Drilling Ltd.	Affinity Credit Union 2013	<p>Item #: 1 Serial Type: Motor Vehicle Serial #: 5KKHAEDR4CPBL4853 Year: 2012 Make/Desc.: WESTERNSTAR WATER TANK TRUCK</p> <p>Item #: 2 Serial Type: Motor Vehicle Serial #: K0944 Make/Desc.: KOMATSU LOADER Model: WA200</p> <p>Item #: 3 Serial Type: Mobile Home Serial #: DEMWST159 Make/Desc.: TOOL PUSH SHACK</p> <p>Item #: 4 Serial Type: Mobile Home Serial #: DEMWST176 Make/Desc.: WATER SHACK</p> <p>Item #: 5 Serial Type: Trailer Serial #: DEMWST176 Make/Desc.: WATER SHACK</p> <p>General Property: By an August 14, 2013 security Agreement the secured party takes a security interest in all of the debtor's present and after-acquired property (all of which property, together with all cash and non-cash proceeds thereof including insurance proceeds). The security includes Toolpush Shack, Combination Building, 15 liter Cummins, Accumulator-</p>	Registration #: 301070623 August 21, 2013	Expiry Date: August 21, 2023

		<p>Mustang, Watertank/Doghouse Combination, Doghouse, Drawworks Skid-Rigmaster P750, Hydraulic Pump, 19 liter Cummins 780hp, Allison Transmission, Right Angle Drive Drawworks, Rigmaster Substructure, Rig Master mast, Rotary Table, Blow Out Prevention System, Hydraulic Catwalk, 2 Boilers, Pump House, 23 liter Cummins 980 hp, Transmission, Triplex F-1000 Pump.</p> <p>Mud tanks, 3 Mission Magnum Pumps with 60 hp Electric Motor, 2 Agitators, King Cobra Shaker, 6 Pipe Tubs, Floc Tank, Shale Tank, Water Shack (Demby), 2012 Western Star Water Truck, Komatsu Loader.</p>		
Vortex Drilling Ltd.	Affinity Credit Union 2013	<p>Item #: 1 Serial Type: Motor Vehicle Serial #: 5KKHAEDRXCPBF4844 Year: 2012 Make/Desc.: WESTERNSTAR WATER TANK TRUCK</p> <p>Item #: 2 Serial Type: Motor Vehicle Serial #: K0684 Make/Desc.: KOMATSU LOADER Model: WA200</p> <p>Item #: 3 Serial Type: Mobile Home Serial #: DEMWST174 Make/Desc.: TOOLPUSH SHACK Model: DEMBY</p> <p>Item #: 4 Serial Type: Mobile Home Serial #: DEMWST157 Make/Desc.: WATER SHACK Model: DEMBY</p> <p>Item #: 5 Serial Type: Trailer Serial #: DEMWST157 Make/Desc.: WATER SHACK</p>	Registration #: 301070640 August 21, 2013	Expiry Date: August 21, 2023

		<p>Model: DEMBY</p> <p>General Property: By an August 14, 2013 security Agreement the secured party takes a security interest in all of the debtor's present and after-acquired property (all of which property, together with all cash and non-cash proceeds thereof including insurance proceeds). The security includes Toolpush Shack, Combination Building, 15 liter Cummins, Accumulator-Mustang, Watertank Doghouse Combination, Draworks Skid: Rigmaster P750, Hydraulic Pump-kinecor Model-P5000C16, 19 liter Cummins 780hp, Allison Transmission (model CLT6061-4), Right Angle Drive, Draworks 750, Ratmaster Substructure, Ratmaster Mast, Rotary Table (Model-Zp-175), Blow Out Prevention System, Jayco Hydraulic Catwalk, 2-Saskatoon Boiler 100hp, Pumphouse, 23 liter Cummins 980 hp, Transmission, Tri-plex F-1000 Triplex Pump.</p> <p>Mission Magnum Pump, 2 Mud tanks, 3 Mission Magnum Pumps with 60hp Electric Motor, 2 Agitator, King Cobra Shaker, 6 Pipe Tubs, Floc Tank, Shale Tank, Water Shack (Demby), 2012 Western Star Water Truck, Komatsu Loader.</p>		
Vortex Drilling Ltd.	Affinity Credit Union 2013	<p>Item #: 1 Serial Type: Motor Vehicle Serial #: 5KKHAED13EPFS1844 Year: 2014 Make/Desc.: WESTERN STAR Model: 4900SF</p> <p>Item #: 2 Serial Type: Trailer Serial #: DEMWST237 Year: 2014</p>	Registration #: 301070645 August 21, 2013	Expiry Date: August 21, 2023

		<p>Make/Desc.: DEMBY Model: WELLSITE</p> <p>General Property: By an August 14, 2013 security Agreement the secured party takes a security interest in all of the debtor's present and after-acquired property (all of which property, together with all cash and non-cash proceeds thereof including insurance proceeds.) ADD: HAMM'S 100BBL STEEL WATER TANK</p>		
Vortex Drilling Ltd.	Mains Welding Ltd.	<p>General Property: VORTEX RIG 1 – Pump House VD1-208; Doghouse VD1-216D, Light Plant/Combination Building VD1-212, Mud Tank VD1-206, Catwalk VD1-218, Sub VD1-202</p> <p>VORTEX RIG 2 – Pump House VD2-208</p> <p>VORTEX RIG 3 – Pump House VD3-210, Pump House 2 VD3-208, Draw Works VD3-204, Dog House VD3-214W, Sub VD3-202, Catwalk VD3-218</p> <p>Rig Loader-Komatsu – Serial #K3146, Model 2VP11A, Machine Model WA250PZ-6</p>	Registration #: 301656696 August 1, 2017	Expiry Date: August 1, 2027
Vortex Drilling Ltd.	Royal Bank of Canada	<p>General Property: PMSI PROCEEDS CLAIMED, ALL PRESENT AND AFTER-ACQUIRED PERSONAL PROPERTY</p>	Registration #: 301662420 August 16, 2017	Expiry date: August 16, 2022