

**SCHEDULE 1**

DATE: NOVEMBER 2018

**DESCRIPTION OF RIG EQUIPMENT PROVIDED BY CONTRACTOR  
(ATTACHMENT TO EXHIBIT A)**

**CONTRACTOR:** JOMAX DRILLING (1988) LTD. **RIG NUMBER:** 6E  
**DEPTH CAPACITY:** 5,400 METERS WITH 127 mm DRILL PIPE  
BI-FUEL

**A. DRAWWORKS**

Make: OILWELL Model: MODIFIED 840E Input Power Rating: 969 kw  
 Maximum Hoisting Capacity: 444,000 daN (Manufacturers)  
 Maximum Hoisting Capacity: 444,000 daN (Contractors)  
 No. of Hoisting Speeds: SIX  
 Auxilliary Brake: Type: ELECTRIC Make: BAYLOR ELMAGO Model: 6032  
 Crown Block Protection: CROWN SAVER: Make: CROWN ALERT Model: A  
 Drive Group: Make: G.E. Type: HT 752 Input Power Rating: 842 kw

**B. PRIME MOVER**

	<u>ENGINE # 1</u>	<u>ENGINE # 2</u>	<u>ENGINE # 3</u>
Make:	<u>CATERPILLAR</u>	<u>CATERPILLAR</u>	<u>CATERPILLAR</u>
Model:	<u>3512B</u>	<u>3512B</u>	<u>3508C</u>
Continuous Power - HP (kw) @ 1200 RPM	<u>1 476 (1101)</u>	<u>1 476 (1101)</u>	<u>915 (682)</u>

**C: PRIME MOVERS (Electric Rigs Only)**

Electrical System: ROSS HILL MODEL 1410 4 BAY/3 GENERATORS

	<u>GENERATOR # 1</u>	<u>GENERATOR # 2</u>	<u>GENERATOR # 3</u>
Make:	<u>KATO</u>	<u>KATO</u>	<u>KATO</u>
Model:	<u>AA27673007</u>	<u>AA27673007</u>	<u>800-68036-1111</u>
Power Rating (kw)	<u>1,225</u>	<u>1,225</u>	<u>800</u>
KVA	<u>1,750</u>	<u>1,750</u>	<u>1,500</u>

**D. ROTARY TABLE - INDEPENDENT ROTARY DRIVE**

Make: EMSCO Model: T 2750 Maximum Table Opening: 698 mm  
 Drive Group: G.E. Model: 752 Type: ELECTRIC Input Power Rating: 746 kw  
 Static Load Rating: 445,000 daN  
 Rotary Speeds Forward: ONE Maximum RPM: 150 Minimum RPM: ONE  
 Reverse: ONE Maximum RPM: 30 Minimum RPM: ONE

**E. DERRICK**

Make: DRECO Model: M14225-1330 Type: CANTILEVER  
 Gross Nominal Capacity (Manufacturers): 600,000 daN  
 Maximum Hook Load (Manufacturers): 444,000 daN with 12 Lines  
 Maximum Hook Load (Contractor): 444,000 daN with 12 Lines  
 Racking Capacity: 6000 Meters of 127 mm Drillpipe  
 Height: 43.29 Meters  
 Hook to Rotary Table: Distance with Blocks at Crown Stop: 37.65 Meters

**F. SUBSTRUCTURE**

Make: DRECO Model: 48'L X 32'8"W X 23'H Type: BOX ON BOX  
Maximum Table Load (Casing Capacity): 400,000 daN with 222,400 daN Setback  
KB to Ground: 7.60 Meters  
Clear Height for BOP's: 5.95 Meters

**G. TRAVELLING EQUIPMENT**

	<u>CROWN BLOCKS</u>	<u>BLOCKS</u>	<u>BALES</u>	<u>ELEVATORS</u>	<u>TOP DRIVE</u>
Make:	<u>DRECO</u>	<u>OILWELL</u>	<u>B.J.</u>	<u>AOT</u>	<u>TESCO</u>
Model:	<u>6-50" x 1 3/8"</u>	<u>A500</u>	<u>2 3/4" X 108"</u>	<u>350 TON</u>	<u>ECI900</u>
Ld. Rating (daN):	<u>445,000</u>	<u>445,000</u>	<u>318,000</u>	<u>311,500</u>	
# of Sheaves:	<u>6 + 60" FASTLINE</u>	<u>6 - 60" X 1 3/8"</u>			
API Bearing Rtg: (daN) @ 100 RPM	<u>445,000</u>	<u>445,000</u>			
Min. ID (mm):					

**H. DRILLING LINE**

Rope Diameter: 35 mm Rope Type: 6 x 19 SEALE EIPS  
Core Type: IWRC Nominal Strength: 80,000 daN  
Slip Interval @ 30,000 MegaJoules Cut 19.2 Meters

**I. DEAD LINE ANCHOR**

Make: HERCULES Model: 121 Dead Load Rating: 42,000 daN

**J. MUD PUMPS**

**PUMP # 1**

Make: B.S.F. Model: 1600 Power Rating: (1600 hp) 1200 kw  
Available Power to Pump (2) (1000 hp) 746 kw Stroke: 305 mm  
Pulsation Dampner: Make: B.S.F. Model: G20-5000 Precharge: 4,500 kPa  
Liner Sizes Available: 152 mm 140 mm  
Minimum Strokes per Minute: 60 spm 60 spm  
Maximum Strokes per Minute: 120 spm 120 spm  
Max. Manufacturers Rated Press.: 32,200 kPa 34,500 kPa  
Max. Contractor's Allowed Press.: 32,160 kPa 34,470 kPa

**PUMP # 2**

Make: B.S.F. Model: 1600 Power Rating: (1600 hp) 1200 kw  
Available Power to Pump (2) (1000 hp) 746 kw Stroke: 305 mm  
Pulsation Dampner: Make: B.S.F. Model: G20-5000 Precharge: 4,500 kPa  
Liner Sizes Available: 152 mm 140 mm  
Minimum Strokes per Minute: 60 spm 60 spm  
Maximum Strokes per Minute: 120 spm 120 spm  
Max. Manufacturers Rated Press.: 32,200 kPa 34,500 kPa  
Max. Contractor's Allowed Press.: 32,160 kPa 34,470 kPa

**K. MUD TANKS**

Tank # 1 # of Compartments: 3 Height: 2.44 m Useable Capacity: 115 m3  
Tank # 2 # of Compartments: 3 Height: 2.44 m Useable Capacity: 100 m3  
Tank # 3 # of Compartments: \_\_\_\_\_ Height: \_\_\_\_\_ m Useable Capacity: \_\_\_\_\_ m3

TRIP TANK:

Width: 1.06 m Length: 2.2 m HEIGHT: 2.44 m Useable Capacity: 5.3 m3  
Trip Tank Location: CATWALK END OF SHAKER TANK  
Trip Tank Pump: Make: MISSION Model: 4" x 3" x 13" w/9" Impeller Type: CENTRIFUGAL  
Pill Tank Volume: 4.7 m3  
Premix Tank Volume: 87 m3  
Total No. of Agitators: 4  
Number of Mixing Hoppers: 2 Type: 2 - 4" VENTURI

**L. SCHEMATIC DIAGRAM (ATTACHED)**

**M. CENTRIFUGAL PUMPS**

	<u>PUMP # 1</u>	<u>PUMP # 2</u>	<u>PUMP # 3</u>	<u>PUMP # 4</u>
Make:	<u>DOUBLE LIFE</u>	<u>DOUBLE LIFE</u>	<u>DOUBLE LIFE</u>	_____
Model:	_____	_____	_____	_____
Size:	<u>2 1/2" x 5" x 6"</u>	<u>2 1/2" x 5" x 6"</u>	<u>2 1/2" x 5" x 6"</u>	_____
Impellor Size:	<u>279 mm</u>	<u>279 mm</u>	<u>279 mm</u>	_____
RPM:	<u>1,780</u>	<u>1,780</u>	<u>1,780</u>	_____
Input Power:	<u>50 HP</u>	<u>50 HP</u>	<u>50 HP</u>	_____

USED FOR:

PUMP # 1	<u>CHARGING PUMP</u>
PUMP # 2	<u>CHARGING PUMP</u>
PUMP # 3	<u>MIXING PUMP</u>
PUMP # 4	_____

**N. SOLIDS CONTROL**

	<u>SHALE SHAKER #1</u>	<u>SHALE SHAKER #2</u>
Make:	<u>SWACO</u>	<u>SWACO</u>
Model:	<u>MONGOOSE PT</u>	<u>MONGOOSE PT</u>
Contractor will Supply <u>100</u> Mesh Screens		
	<u>DESANDER</u>	<u>DESILTER</u>
Make:	<u>NONE</u>	<u>NONE</u>
Model:	_____	_____
Make of Cones:	_____	_____
Size of Cones (mm):	_____	_____
Number of Cones:	_____	_____
Capacity:	_____	_____
Operating Pressure:	_____	_____
Power Available to Run Centrifuge:	<u>150</u> kw	<u>480</u> Volts
Breaker Rating: <u>100</u> Amps.	Plug Type: <u>AR1048</u>	

**0. BLOW OUT PREVENTION EQUIPMENT**

	<u>ANNULAR</u>	<u>RAM # 1</u>	<u>RAM # 2</u>	<u>RAM # 3</u>
Make:	<u>SHAFFER</u>	<u>HYDRIL</u>	<u>HYDRIL</u>	<u>HYDRIL</u>
Model:	<u>BOLTED</u>	<u>V</u>	<u>V</u>	<u>V</u>
Type:	<u>SPHERICAL</u>	<u>MPL</u>	<u>MPL</u>	<u>MPL</u>
Size (mm):	<u>346</u>	<u>346</u>	<u>346</u>	<u>346</u>
Working Press. (kPa)	<u>34,700</u>	<u>34,700</u>	<u>34,700</u>	<u>34,700</u>
Connection Type:	<u>STUD x FLANGE</u>	<u>STUD x STUD</u>	<u>STUD x STUD</u>	<u>STUD x STUD</u>
			<u>14" OPERATORS</u>	
Nace:	<u>YES</u>	<u>YES</u>	<u>YES</u>	<u>YES</u>
Manual/Hydraulic:	<u>HYDRAULIC</u>	<u>HYDRAULIC</u>	<u>HYDRAULIC</u>	<u>HYDRAULIC</u>
Ram Size (mm):		<u>127 + 101</u>	<u>BLIND</u>	<u>127 + 101</u>
Element Type:	<u>NEOPRENE</u>	<u>NEOPRENE</u>	<u>NEOPRENE</u>	<u>NEOPRENE</u>

SHOCK HOSES:

Make: GATES Pressure Rating: 7,500 psi

ACCUMULATOR

Make: DRILLING CONTROL SYSTEM Model: MB16515ST Pressure Rating: 20,700 kPa  
 Number of Bottles: 11 @ 56.8 Liters Each  
 Precharge Pressure: 8,400 kPa  
 Accumulator Pressure Operated by Contractor: 20,700 kPa  
 Manifold Pressure: 10,500 kPa  
 Number of Stations: SEVEN

Master BOP Controls Location: ACCUMULATOR HOUSE  
 Remote BOP Controls Location: DOG HOUSE Type: ALLEN BRADLEY PLC  
 Number of Pressure Regulators: TWO Make: DCS - MTR4 WITH INTERNAL OVERRIDE  
 Model: 1" HYDRAULIC Location: ACCUMULATOR HOUSE  
 Number of N2 Bottles: 6 Size: 51 Liters Minimum Pressure: 10,500 kPa  
 Shear Ram Auxillary System (4) 15 GALLON BOTTLES

PUMP # 1

Make: UNION Model: TD 28 Type: TRIPLEX  
 Pressure Rating: 20,700 kPa Pump Rate: 54 Liters/Min.

PUMP # 2

Make: UNION Model: TD 28 Type: TRIPLEX  
 Pressure Rating: 20,700 kPa Pump Rate: 54 Liters/Min.

HCR VALVES

Make: VETCO Model: R.H.A. Nace Trim: YES  
 Number: TWO Size: 76 mm Pressure Rating: 34,700 kPa

CHOKE MANIFOLD

Make: McEVROY Model: DOUBLE GUT LINE Nace Trim: YES  
 Number: TWO Size: 76 mm Pressure Rating: 34,700 kPa

CHOKE # 1:

Make: SWACO Model: M3 Nace Trim: YES  
 Size: 76 mm Pressure Rating: 70,000 kPa

CHOKE # 2:  
Make: SWACO Model: M3 Nace Trim: YES  
Size: 76 mm Pressure Rating: 70,000 kPa kPa

CHOKE # 3:  
Make: SWACO Model: M3 Nace Trim: YES  
Size: 76 mm Pressure Rating: 70,000 kPa kPa

DUAL BALL KELLY COCK  
Make: HI-KALIBRE Model: 4185-SDB-IF293 Nace Trim: YES  
Size: 200 MM 6 5/8" LHR Pressure Rating: 70,000 kPa

LOWER KELLY COCK:  
Make: HI-KALIBRE Model: 4150-76 5" XH Nace Trim: YES  
Size: 159 5" XH mm Pressure Rating: 70,000 kPa

STABBING VALVE:  
Make: HI-KALIBRE Model: 4150-76 5" XH Nace Trim: YES  
Number: 1 Size: 166 5" XH mm Pressure Rating: 34,700 kPa

INSIDE BOP:  
Make: HI-KALIBRE Model: RETRIEVABLE Nace Trim: YES  
Number: 1 Size: 153 5" XH mm Pressure Rating: 34,700 kPa

BLEED OFF LINE:  
Number: 2 Size: 114 mm Nace Trim: YES  
Pressure Rating: 34,700 kPa

KILL LINES:  
Number: 2 Size: 89 mm Nace Trim: YES  
Pressure Rating: 34,700 kPa

CHECK VALVE:  
Make: HI-KALIBRE Model: 3350  
Number: 2 Size: 76 mm Pressure Rating: 34,700 kPa

MUD GAS SEPARATOR # 1  
Type: POORBOY Location: REMOTE - NEXT TO SHAKER  
Vessel OD: 1066 mm  
Inlet Size: 114.3 mm  
Outlet Size: 274 mm Line Size to Flarepit: 219 mm  
Overall Height: 3.96 Meters  
Distance Above Bottom of Tank: 50 cm  
Design Level: CLASS V

MUD GAS SEPARATOR # 2  
Type: POORBOY Location: REMOTE - NEXT TO SHAKER  
Vessel OD: 1066 mm  
Inlet Size: 114.3 mm  
Outlet Size: 274 mm Line Size to Flarepit: 219 mm  
Overall Height: 3.96 Meters  
Distance Above Bottom of Tank: 50 cm  
Design Level: CLASS V

**P. DRILL PIPE**

No.: 372 JTS. 127 mm 29.03 kg/m GRADE: X-95 API Class: PREMIUM  
Connections: 5" XH Tool Joint: OD: 168 mm ID: 88 mm  
Hardness Factor: Tube: Minimum HRC: 26 Maximum HRC: 30  
Tool Joint Minimum HRC: 32 Maximum HRC: 38  
Hardbanding: X YES     NO Type: 300 XT

No.: 127 JTS. 127 mm 38.13 kg/m GRADE: X-95 API Class: PREMIUM  
Connections: 5" XH Tool Joint: OD: 165 mm ID: 88 mm  
Hardness Factor: Tube: Minimum HRC: 26 Maximum HRC: 30  
Tool Joint Minimum HRC: 32 Maximum HRC: 38  
Hardbanding: X YES     NO Type: 300 XT

**Q. HEAVIWATE**

No.: 61 JTS. 127 mm  
Connections: 5" XH Tool Joint: OD: 160 mm ID: 76 mm  
Hardbanding: X YES     NO Type: DRILCO 1420  
Stress Relief: YES  
Boreback: YES

**R. DRILL COLLARS**

Number: 6 JTS. OD: 242 mm ID: 76 mm Connections: 7" H90  
Number: 21 JTS. OD: 171 mm ID: 60 mm Connections: 5" XH  
Stress Relief: NO  
Boreback: YES  
Spiral: YES  
Slip Recess: NO  
Elevator Recess: NO

BIT SUBS:	NO.	<u>2</u>	Connections:	<u>4 1/2" REG BOX</u>	<u>4 1/2" IF BOX</u>
BIT SUBS:	NO.	<u>2</u>	Connections:	<u>6 5/8" REG BOX</u>	<u>7" H90 BOX</u>
BIT SUBS:	NO.	<u>1</u>	Connections:	<u>7 5/8" REG BOX</u>	<u>7" H90 BOX</u>
BIT SUBS:	NO.	<u>2</u>	Connections:	<u>6 5/8" REG BOX</u>	<u>7" H90 PIN</u>
XO SUBS:	NO.	<u>2</u>	Connections:	<u>5" XH BOX</u>	<u>7" H90 PIN</u>
JUNK SUBS:	NO.	<u>1</u>	Connections:	<u>4 1/2" REG BOX</u>	<u>4 1/2" REG PIN</u>
SAVER SUBS:	NO.	<u>2</u>	Connections:	<u>5" XH PIN</u>	<u>5" XH PIN</u>

**S. LIGHTPLANTS**

CAMP

Plant # 1 Output: 75 kw Volts 208  
Plant # 2 Output: 75 kw Volts 208

RIG MANAGER

Plant # 1 Output: 100 kw Volts 280  
Plant # 2 Output: 100 kw Volts 280

RIG

Power and Outlets to run 2 Additional Wellsite Units  
Power Available to run Rental Equipment: 100 kw  
100 Amps 480 Volts 3 Phase

**T. GENERAL**

Drilling Instrumentation: PASON PENLESS  
Automatic Driller: PASON  
High Pressure Wash Guns: 2 - MH 32C MAGIKIST  
Electric Sump Circulating Pump: 2" ELECTRIC  
Kelly Spinner: \_\_\_\_\_  
Pipe Spinner: \_\_\_\_\_  
Kelly Hose: PHOENIX SIZE: 75 mm Working Pressure: 51,000 kPa  
Make Up Tongs Make: B.J. Size: D.B. Jaws Available: 5 SIZES  
Breakout Tongs: Make: B.J. Size: D.B. Jaws Available: 5 SIZES  
Drill Pipe Elevators: Make: B.J. & (B & V) Size: 127 mm  
Drill Collar Elevators: Make: WEB WILSON Size: 178 mm  
Matting: No.: 58 Size: VARIOUS  
Fuel Storage: 29 m3  
Water Storage: 58 m3  
Water Pumps: No.: TWO Size: 2" X 2 1/2" Output: 320 Liters/Min.

**U. BOILER**

Power Rating: 465 kw  
Operating Pressure Rating: 690 kPa

**V. LOADS**

RIG 45 Including BOILER & LOADER  
CAMP 8

**W. OTHER MAJOR PIECES OF EQUIPMENT**

- JA-CO CATWALK
- COMPLETE VACUUM WITH TANK, MOTOR AND HOSES
- KOMATSU WA250 LOADER WITH QUICK ATTACHMENT, BUCKET, AND FORKS
- 12 - 8'4" X 42' EXTRA MATTING
- TESCO ECI900 500 TON TOP DRIVE
- 8' x 12' x 5' FLARE TANK