

**SCHEDULE 1**  
**DESCRIPTION OF RIG EQUIPMENT PROVIDED BY CONTRACTOR**  
**(ATTACHMENT TO EXHIBIT A)**

DATE: NOVEMBER 2018

**CONTRACTOR:** JOMAX DRILLING (1988) LTD. **RIG NUMBER:** 10E  
**DEPTH CAPACITY:** 6,000 METERS **WITH** 127 mm DRILL PIPE

**A. DRAWWORKS**

Make: RIGMASTER Model: 1500E Input Power Rating: 1,200 kw  
 Maximum Hoisting Capacity: (Manufacturers) 432,400 daN with 10 Lines  
 Maximum Hoisting Capacity: (Contractors) 445,000 daN with 12 Lines  
 No. of Hoisting Speeds: 3  
 Auxilliary Brake: Type: EDDY CURRENT Make: BAYLOR ELMAGO Model: 3550W  
 Crown Block Protection: CROWN SAVER: Make: CROWN ALERT Model: A  
 Drive Group: Make: G.E. Type: GE 752 (2) Input Power Rating: 731 kw

**B. PRIME MOVER**

	ENGINE # 1	ENGINE #2	ENGINE # 3
Make:	<u>CATERPILLAR</u>	<u>CATERPILLAR</u>	<u>CATERPILLAR</u>
Model:	<u>3512</u>	<u>3512</u>	<u>3512DI</u>
Continuous Power HP (kw) @ 1200 RPM	<u>1 476 (1101)</u>	<u>1 476 (1101)</u>	<u>1 320 (985)</u>

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

Electrical System: INTEGRATED POWER SYSTEMS MODEL 1850 3 BAY/3 GENERATORS

	GENERATOR # 1	GENERATOR # 2	GENERATOR # 3
Make:	<u>KATO</u>	<u>KATO</u>	<u>STANFORD</u>
Model:	<u>6P6-3150</u>	<u>6P6-3150</u>	<u>6P6-3150</u>
Power Rating (kw)	<u>1,225</u>	<u>1,225</u>	<u>1,050</u>
KVA	<u>1,750</u>	<u>1,750</u>	<u>1,750</u>

**D. ROTARY TABLE**

Make: OILWELL Model: SA2750 Maximum Table Opening: 698 mm  
 Power Available: 842 kw  
 Static Load Rating: 445,000 daN  
 Rotary Speeds Forward: 1 Maximum RPM: 150 Minimum RPM: 10  
 Reverse: 1 Maximum RPM: 10 Minimum RPM: 10

**E. DERRICK**

Make: RIGMASTER Model: M150-27-1000 Type: CANTILEVER  
 Gross Nominal Capacity (Manufacturers): 593,333 daN  
 Maximum Hook Load (Manufacturers): 432,400 daN with 10 Lines  
 Maximum Hook Load (Contractor): 445,000 daN with 12 Lines  
 Racking Capacity: 6,000 Meters of 127 mm Drillpipe  
 Height: 45.7 Meters  
 Hook to Rotary Table: Distance with Blocks at Crown Stop: 45.01 Meters

**F. SUBSTRUCTURE**

Make: RIGMASTER Size: 56'L x 33' W x 30' H Type: BOX ON BOX ON BOX  
 Maximum Table Load (Casing Capacity): 355,800 daN with 200,000 daN Setback  
 KB to Ground: 9.32 Meters  
 Clear Height for BOP's: 7.62 Meters

**G. TRAVELLING EQUIPMENT**

	<u>CROWN BLOCKS</u>	<u>TRAVELLING BLOCKS</u>	<u>BALES</u>	<u>ELEVATORS</u>	<u>TOP DRIVE</u>
Make:	<u>RIGMASTER</u>	<u>NATIONAL</u>	<u>JOY</u>	<u>BLOHM VOSS</u>	<u>TESCO</u>
Model:	<u>6-60" x 1 3/8"</u>	<u>6-60-H500</u>	<u>2 3/4" x 108"</u>	<u>VESCL</u>	<u>ECI900</u>
Ld. Rating (daN):	<u>445,000</u>	<u>445,000</u>	<u>318,500</u>	<u>318,500</u>	
# of Sheaves:	<u>6+FASTLINE</u>	<u>6" x 60" X 1 3/8"</u>			
API Bearing Rating (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: 90,000 daN  
 Slip Interval @ 19,767 MegaJoules Cut 19.14 Meters

**I. DEAD LINE ANCHOR**

Make: NATIONAL Model: E.B. Dead Load Rating: 42,000 daN

**J. MUD PUMPS**

**PUMP # 1**

Make: WHITE STAR Model: UNITIZED QUATRO Power Rating: (1600 hp) 1200 kw  
 Available Power to Pump (2): (1000 hp) 750 kw Stroke: 406 mm  
 Pulsation Dampner: Make: WHITE STAR Model: WS75-7500 Precharge: 15,000 Gallons  
 Liner Sizes Available: 140 mm 114 mm  
 Minimum Strokes per Minute: 60 spm 60 spm  
 Maximum Strokes per Minute: 116 spm 116 spm  
 Max. Manufacturers Rated Press.: 35,700 kPa 35,700 kPa  
 Max. Contractor's Allowed Press.: 51,700 kPa 51,700 kPa

**PUMP # 2**

Make: WHITE STAR Model: UNITIZED QUATRO Power Rating: (1600 hp) 1200 kw  
 Available Power to Pump (2): (1000 hp) 750 kw Stroke: 406 mm  
 Pulsation Dampner: Make: WHITE STAR Model: WS75-7500 Precharge: 15,000 Gallons  
 Liner Sizes Available: 140 mm 114 mm  
 Minimum Strokes per Minute: 60 spm 60 spm  
 Maximum Strokes per Minute: 116 spm 116 spm  
 Max. Manufacturers Rated Press.: 35,700 kPa 35,700 kPa  
 Max. Contractor's Allowed Press.: 51,700 kPa 51,700 kPa

**K. MUD TANKS**

Tank # 1 # of Compartments: 3 Height: 2.43 m Useable Capacity: 140 m3  
 Tank # 2 # of Compartments: 3 Height: 2.43 m Useable Capacity: 90 m3  
 TRIP TANK:  
 Width: 1.65 m Length: 1.65 m HEIGHT: 2.28 m Useable Capacity: 7.8 m3  
 Trip Tank Location: SHAKER TANK  
 Trip Tank Pump: Make: HALCO Model: 2500 Type: 4" x 3" x 13" w/9" Impeller  
 Pill Tank Volume: 7.8 m3  
 Premix Tank Volume: 87 m3  
 Total No. of Agitators: 5  
 Number of Mixing Hoppers: 2 Type: 2 - 6" VENTURI W 3" X 3/4" NOZZLES

**L. SEPARATE PREMIX TANK**

Length 10.6 m Height: 3.6 m

**M. SCHEMATIC DIAGRAM (ATTACHED)**

**N. CENTRIFUGAL PUMPS**

	<u>PUMP # 1</u>	<u>PUMP # 2</u>	<u>PUMP # 3</u>
Make:	<u>DOUBLE LIFE</u>	<u>MISSION</u>	<u>MISSION</u>
Model:	<u>250</u>	<u>250</u>	<u>250</u>
Size:	<u>5" x 6" x 11"</u>	<u>5" x 6" x 11"</u>	<u>5" x 6" x 11"</u>
Impellor Size:	<u>279 mm</u>	<u>279 mm</u>	<u>279 mm</u>
RPM:	<u>1,750</u>	<u>1,750</u>	<u>1,750</u>
Input Power:	<u>60</u>	<u>60</u>	<u>60</u>

USED FOR:

PUMP # 1	<u>MIXING PUMP</u>
PUMP # 2	<u>CHARGE PUMP</u>
PUMP # 3	<u>CHARGE PUMP</u>

**O. 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:	<u></u>	<u></u>
Make of Cones:	<u></u>	<u></u>
Size of Cones (mm):	<u></u>	<u></u>
Number of Cones:	<u></u>	<u></u>
Capacity:	<u></u>	<u></u>
Operating Pressure:	<u></u>	<u></u>

Power Available to Run Centrifuge: 150 kw 600 Volts  
 Breaker Rating: 200 Amps. Plug Type: AR 20034

**P. 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>HUYDRIL</u>	<u>HYDRIL</u>
Model:	<u>BOLTED</u>	<u>V</u>	<u>V</u>	<u>V</u>
Type:	<u>SPHERICAL</u>	<u>SINGLE</u>	<u>SINGLE</u>	<u>SINGLE</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 FLANGE</u>	<u>STUD x STUD</u>	<u>STUD x STUD</u>
Manual/Hydraulic:	<u>HYDRAULIC</u>	<u>HYDRAULIC</u>	<u>HYDRAULIC</u>	<u>HYDRAULIC</u>
Ram Size (mm):		<u>127</u>		<u>127</u>
Element Type:	<u>NITRILE</u>			

**SHOCK HOSES:**

Make: GATES Pressure Rating: 7,500 psi

**ACCUMULATOR**

Make: ABB OFFSHORE Model: 7150-2B-PLC Pressure Rating: 20,700 kPa  
 Number of Bottles: 12 @ 67.5 Liters Each  
 Precharge Pressure: 8,400 kPa  
 Accumulator Pressure Operated by Contractor: 20,700 kPa  
 Manifold Pressure: 10,500 kPa  
 Number of Stations: 7  
 Master BOP Controls Location: #2 MOTOR HOUSE  
 Remote BOP Controls Location: DOG HOUSE Type: ELECTRIC  
 Number of Pressure Regulators: TWO Make: T.R. 3 1112-8400  
 Model: 1-25009, 1-105766 Location: #2 MOTOR HOUSE  
 Number of N2 Bottles: 5 Size: 51 Liters Minimum Pressure: 20,700 kPa  
 Shear Ram Auxillary System (4) 15 Gallon Bottles

**PUMP # 1**

Make: UNION Model: TD30 Type: TRIPLEX  
 Pressure Rating: 20,700 kPa Pump Rate: 63 Liters/Min. 54

**PUMP # 2**

Make: UNION Model: TD30 Type: TRIPLEX  
 Pressure Rating: 20,700 kPa Pump Rate: 63 Liters/Min. 54

**HCR VALVES**

Make: EEC Model: \_\_\_\_\_ Nace Trim: YES  
 Number: TWO Size: 76 mm Pressure Rating: 70,000 kPa

**CHOKE MANIFOLD**

Make: JMP Model: S.T.S. Nace Trim: YES  
 Number: 16 Size: 76 mm Pressure Rating: 70,000 kPa

**CHOKE # 1:**

Make: WILLIS Model: M3G Nace Trim: YES  
 Size: 76 mm Pressure Rating: 70,000 kPa

CHOKE # 2:  
 Make: WILLIS Model: M3G Nace Trim: YES  
 Size: 76 mm Pressure Rating: 70,000 kPa

CHOKE # 3:  
 Make: WILLIS Model: M3G Nace Trim: YES  
 Size: 76 mm Pressure Rating: 70,000 kPa

DUAL BALL VALVE  
 Make: HI KALIBRE Model: 4185-SDBIF429 Nace Trim: YES  
 Size: 76 Pressure Rating: 70,000 kPa

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

STABBING VALVE:  
 Make: HI-KALIBRE Model: 4150-290-IF Nace Trim: YES  
 Number: 1 Size: 159 mm Pressure Rating: 70,000 kPa

INSIDE BOP:  
 Make: HIKALIBRE Model: 5"XH DIR CHK VALVE Nace Trim: YES  
 Number: 1 Size: 159 Pressure Rating: 70,000 kPa

BLEED OFF LINE:  
 Number: 2 Size: 114 mm Nace Trim: YES  
 Pressure Rating: 70,000 kPa

KILL LINE:  
 Number: 2 Size: 76 mm Nace Trim: YES  
 Pressure Rating: 34,700 kPa

CHECK VALVE:  
 Make: EEC Model: 3350 SERIES  
 Number: 2 Size: 76 mm Pressure Rating: 70,000 kPa

MUD GAS SEPARATOR # 1

Type: POORBOY Location: REMOTE  
 Vessel OD: 1,066 mm  
 Inlet Size: 114.3 mm  
 Outlet Size: 273 mm Line Size to Flarepit: 273 mm  
 Overall Height: 3.86 Meters  
 Distance Above Bottom of Tank: 50 cm  
 Design Level: CLASS V

MUD GAS SEPARATOR # 2

Type: POORBOY Location: REMOTE  
 Vessel OD: 1,066 mm  
 Inlet Size: 114.3 mm  
 Outlet Size: 273 mm Line Size to Flarepit: 273 mm  
 Overall Height: 3.86 Meters  
 Distance Above Bottom of Tank: 50 cm  
 Design Level: CLASS V

**Q. DRILL PIPE**

No.: 294 JTS. 127 mm 29.03 kg/m GRADE: SS95 API Class: PREMIUM  
Connections: NC50 Tool Joint: OD: 168 mm ID: 76 mm  
Hardness Factor: Tube: Minimum HRC: 20 Maximum HRC: 27  
Tool Joint Minimum HRC: 27 Maximum HRC: 34  
Hardbanding: X YES      NO Type: 300 XT

No.: 204 JTS. 127 mm 38.13 kg/m GRADE: SS95 API Class: PREMIUM  
Connections: NC50 Tool Joint: OD: 168 mm ID: 69 mm  
Hardness Factor: Tube: Minimum HRC: 18 Maximum HRC: 27  
Tool Joint Minimum HRC: 27 Maximum HRC: 34  
Hardbanding: X YES      NO Type: 300 XT

No.: 55 JTS. 127 mm      kg/m GRADE:      API Class:       
Connections:      Tool Joint: OD:      mm ID:      mm  
Hardness Factor: Tube: Minimum HRC:      Maximum HRC:       
Tool Joint Minimum HRC:      Maximum HRC:       
Hardbanding:      YES      NO Type:     

**R. HEAVIWATE**

No.: 55 JTS. 127 mm  
Connections: NC50 Tool Joint: OD: 133 mm ID: 65 mm  
Hardbanding: X YES      NO Type: T.C. FINE PARTICLE  
Stress Relief: YES  
Boreback: YES

**S. DRILL COLLARS**

Number: 9 JTS. OD: 242 mm ID: 76 mm Connections: 7" H90  
Number:      JTS. OD:      mm ID:      mm Connections:       
Number: 21 JTS. OD: 171 mm ID: 60 mm Connections: 5"XH  
Stress Relief: API  
Boreback: YES  
Spiral: NO  
Slip Recess: YES  
Elevator Recess: NO  
BIT SUBS: NO. 1 Connections: 7 5/8" REG BOX 7" H90 BOX  
XO SUBS: NO. 1 Connections: 6 5/8" REG BOX 7" H90 BOX  
JUNK SUBS: NO. 2 Connections: 6 5/8" REG BOX 7" H90 PIN  
SAVER SUBS: NO. 2 Connections: 5" XH BOX 6 5/8" REG PIN  
BIT SUBS: NO. 2 Connections: 4 1/2" REG BOX 5" XH BOX  
4 5" XH PIN 5" XH PIN

**T. 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 4 Additional Wellsite Units  
Power Available to run Rental Equipment: 150 kw  
200 Amps 575 Volts 3 Phase

**U. GENERAL**

Drilling Instrumentation: PASON PENLESS  
Automatic Driller: PASON  
High Pressure Wash Guns: 2 - MH 32CX MAGIKIST  
Electric Sump Circulating Pump: 2" ELECTRIC  
Kelly Spinner: 1 - 2" FLYTE PUMP  
Pipe Spinner: SPINMASTER P-700  
Kelly Hose: TAURUS 3" x 75' SIZE: 76 mm Working Pressure: 34,700 kPa  
Make Up Tongs Make: W.W. Size: H Jaws Available: VARIOUS  
Breakout Tongs: Make: W.W. Size: H Jaws Available: VARIOUS  
Drill Pipe Elevators: Make: BLOHM VOSS Size: 127 mm  
Drill Collar Elevators: Make: \_\_\_\_\_ Size: \_\_\_\_\_ mm  
Matting: No.: 47 Size: VARIOUS  
Fuel Storage: 45,000 Liters  
Water Storage: 55,000 Liters  
Water Pumps: No.: TWO Size: 2" x 2 1/2" Output: 1,500 Liters/Min.

**V. BOILER**

Power Rating: 465 kw  
Operating Pressure Rating: 100 HP

**W. LOADS**

RIG 52 Including BOILER & LOADER  
CAMP 8

**X. OTHER MAJOR PIECES OF EQUIPMENT**

- CATERPILLAR IT28G LOADER WITH QUICK ATTACHMENT, FORKS AND BUCKET
- 50 KW GROUND STEERING AND PIPE CLAMP FOR MOVING DRILL PIPE
- VACUUM AND TANK
- (10) 8' x 42' EXTRA MATTING
- PIPE WRANGLER HYDRAULIC CATWALK
- TESCO ECI500 TOP DRIVE
- 31' X 10' X 5' FLARE TANK