



RIG 33 - TELESCOPIC DOUBLE

Depth Capacity (TVD) : 3,600 m Rig Loads : 15 (+ Rentals & Pipe)

MAST

Mast Type	<i>Telescopic Double</i>	Drill Line Size (mm)	28.6
Mast MFG	<i>Mastco</i>	Number of Lines	10
Static Hook Load (daN)	172,800	3:1 Capacity (daN)	157,000
Mast Clear Height (m)	32.0	2:1 Capacity (daN)	235,000

Drill Line API Specification for EIPS 6 x19 is:

3 : 1 Safety factor drilling; 2 : 1 Safety factor running casing or stuck pipe.

SUBSTRUCTURE

Substructure Type	<i>One Piece, Step-down</i>	Racking Capacity (101.6 mm)	4,400 m
Substructure MFG	<i>Mastco</i>	Racking Capacity (114.3 mm)	4,400 m (w/DS40 TJ)
Setback Capacity (daN)	122,000	Racking Capacity (127.0 mm)	3,300 m
BOP-Sub Clr. w/ Pony (m)	3.96	Rotary Table MFG	<i>Bomco</i>
Floor Height w/ Pony (m)	4.72	Rotary Table Capacity (daN)	167,000
Pony Sub Height (m)	<i>Pontoon</i>	Rotary Table Size	27.5"

Racking Capacity does NOT take into account the added weights of HWDP or drill collars.

DRAWWORKS (MECHANICAL)

Drawworks MFG	<i>TSM</i>	Drawworks Drive	<i>CAT C-18</i>
Drawworks Model	<i>TSM 7000</i>	Drive Rating (hp)	630
Single Line Pull (daN)	21,500	Auxiliary Brake	<i>Eaton 324WCBD</i>
Rated Power (hp)	750	Transmission	<i>Allison S6610H</i>

OVERHEAD EQUIPMENT

Block Model	<i>American Block 250T</i>	Block Capacity (ton)	250
Becket Model	<i>RA Hodgson 250T</i>	Becket Capacity (ton)	250
Topdrive	<i>Tesco 250-HXI-700</i>	Make-Up Torque (ft-lb)	32,000
Continuous Torque (ft-lb)	24,000	Break Out Torque (ft-lb)	32,000

HIGH PRESSURE CIRCULATING SYSTEM

System Pressure (psi)	5,000
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MUD PUMPS

Pump MFG & Model (qty)	<i>TSC Offshore WF-1300 (2)</i>	Mud Pump Drive (qty)	<i>Cummins QST30 (2)</i>
Pump Rated Power (hp)	1,300 (Each)	Pump Drive Rating (hp)	1,350 (Each)
Pump Stroke Length	11"	Gear Box Ratio	2 : 1 & 3 : 1
Gear Box MFG	<i>Rouse Industries</i>	Gear Box Rated Power (hp)	1,350 (Each)

MUD SYSTEM

Total Volume (m ³)	88	# of Mud Tanks	1
Active Volume (m ³)	71	# of Compartments	3 + 1 Trip + 1 Pill
Trip Tank Volume (m ³)	4.0	Pill Tank Volume (m ³)	1.7
Agitators Power (qty)	5.6 kW (2)	Mixing Hopper (qty)	Conventional (1)
Centrifugal Pump Quantity	3	Centrifugal Pump Size (mm)	152 x 127 x 279
Shale Shaker (qty)	<i>Mi-Swaco Mongoose Pro Dual</i>	Degasser Size (mm)	762



BOPs (NACE)

Annular	<i>T3 7082 Spherical</i>	Pressure Rating & Size	<i>3,000 psi, 9"</i>
Ram #1	<i>T3 6031 - Single</i>	Pressure Rating & Size	<i>3,000 psi, 9"</i>
Ram #2	<i>T3 6031 - Single</i>	Pressure Rating & Size	<i>3,000 psi, 9"</i>

ACCUMULATOR

Accumulator MFG	<i>ABB Offshore Sys.</i>	Operating Pressure (psi)	<i>3,000</i>
Accumulator Volume (l)	<i>379</i>	# of Stations	<i>5</i>

CHOKE MANIFOLD (NACE)

Type	<i>Single Gut</i>	Pressure Rating (psi)	<i>3,000</i>
Size	<i>2-1/16"</i>		

GENERATOR SETS

Generator MFG	<i>Stamford</i>	Engine MFG	<i>Cummins</i>
Generator Model (qty)	<i>HCI534F1 (2)</i>	Engine Model (qty)	<i>QSX15-G9 (2)</i>
Prime Rating (kW)	<i>507 (Each)</i>	Voltage (V)	<i>208 / 480</i>

MISCELLANEOUS EQUIPMENT

Fuel Tank Capacity (m ³)	<i>18 (Total)</i>	Pipe Tub Type	<i>Conventional</i>
# of Fuel Tanks	<i>1</i>	Catwalk	<i>Hydraulic</i>
Water Tank Capacity (m ³)	<i>60 (Total)</i>	Catwalk Clear Height	<i>29"</i>
# of Water Tanks	<i>1</i>	Catwalk Clear Width	<i>34"</i>

RENTAL

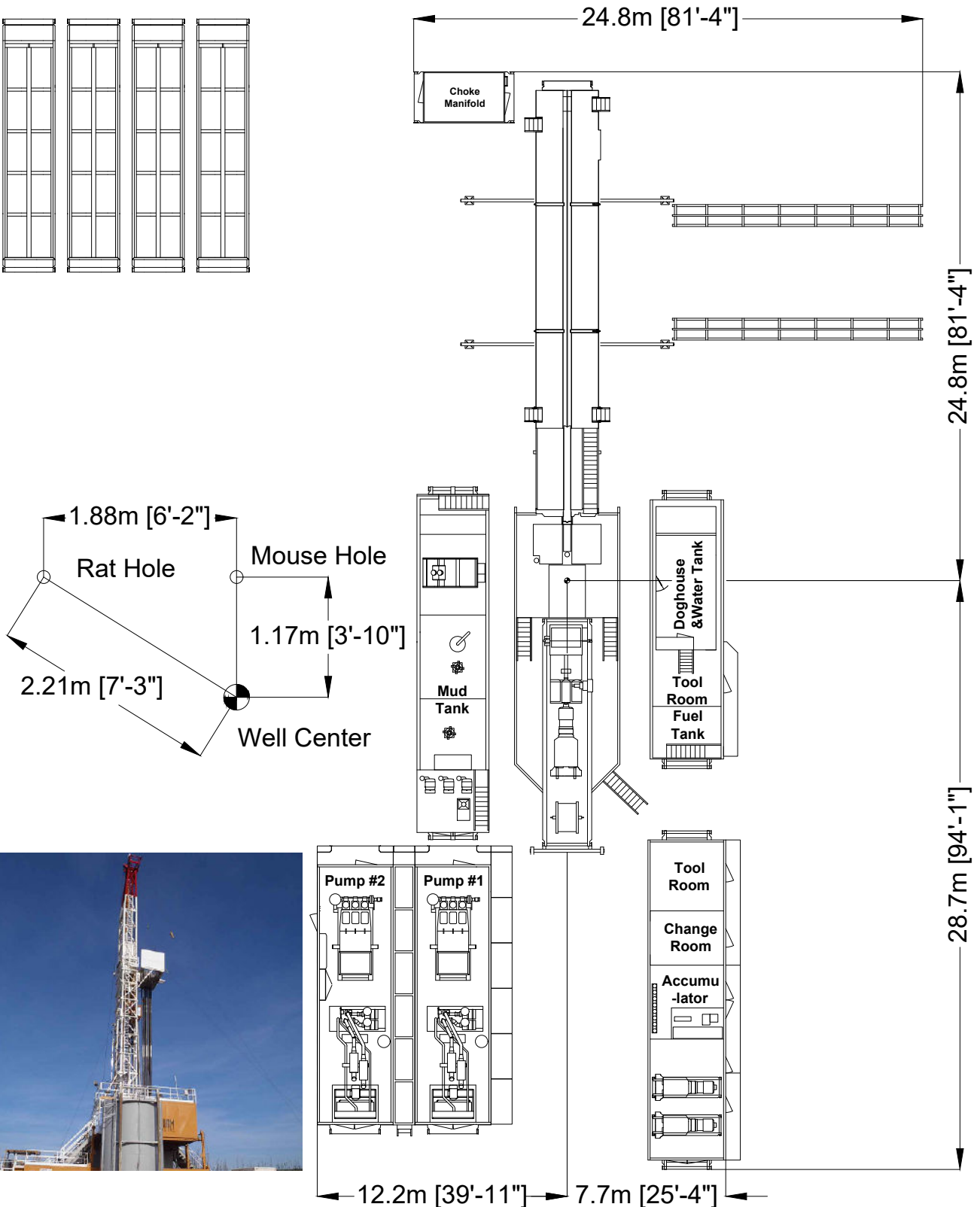
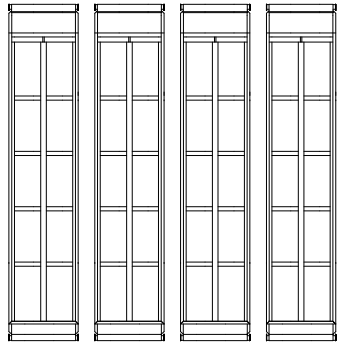
Boiler MFG	<i>Sask. Boiler MFG. Co. Ltd.</i>	Boiler Rating (hp)	<i>125</i>
Flare Tank Skid	<i>As Required</i>	Loader	<i>As Required</i>

Rental equipment are not included in the rig load count.

Standard specifications represent the typical rig configuration, but could be subject to slight modifications from time to time due to customer requirements.

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Depth Capacity (TVD): 3,600 m / 11,800'



Quantity of pipe tubs in the layout may vary due to customer requirements.