



# RIG 50 - TELESCOPIC DOUBLE

Depth Capacity (TVD) : 4,000m Rig Loads : 20 (+ Rentals & Pipe)

## MAST

Mast Type	<i>Telescopic Double</i>	Drill Line Size (mm)	28.6
Mast MFG	<i>NOV</i>	Number of Lines	10
Static Hook Load (daN)	178,000	3:1 Capacity (daN)	191,000
Mast Clear Height (m)	33.5	2:1 Capacity (daN)	287,000

**Drill Line is 9x40 Constructex wire rope.**

**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)	5,100 m
Substructure MFG	<i>NOV</i>	Racking Capacity (114.3 mm)	5,100 m (w/DS40 TJ)
Setback Capacity (daN)	142,000	Racking Capacity (127.0 mm)	4,000 m
BOP-Sub Clr. w/ Pony (m)	4.47	Rotary Table MFG	<i>Dreco</i>
Floor Height w/ Pony (m)	5.64	Rotary Table Capacity (daN)	178,000
Pony Sub Height (m)	1.07	Rotary Table Size	20.5"

**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)	700
Single Line Pull (daN)	21,500	Auxiliary Brake	<i>Eaton 324WCBD</i>
Rated Power (hp)	850	Transmission	<i>Allison S6610H</i>

## OVERHEAD EQUIPMENT

Block Model	<i>Mud King BHU-250</i>	Block Capacity (ton)	250
Hook Model	<i>Mud King BHU-250</i>	Hook 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)	7,500
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## MUD PUMPS (DUAL FUEL)

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 WITH HYDRAULIC ROOF

Total Volume (m <sup>3</sup> )	163	# of Mud Tanks	2
Active Volume (m <sup>3</sup> )	134	# of Compartments	5 + 1 Trip + 1 Pill
Trip Tank Volume (m <sup>3</sup> )	4.9	Pill Tank Volume (m <sup>3</sup> )	4.9
Agitators Power (qty)	15 kW (1) + 5.6 kW (3)	Mixing Hopper (qty)	<i>Chemical Shearer (1)</i>
Shale Shaker (qty)	<i>Mi-Swaco Mongoose Pro Dual</i>		<i>Conventional (1)</i>
Centrifugal Pump Quantity	4	Centrifugal Pump Size (mm)	152 x 127 x 279 (3)
Degasser Size (qty)	914 mm (2)		203 x 152 x 279 (1)
Remote Degasser Tank	16.6 m <sup>3</sup>		



**BOPs (NACE)**

Annular	<i>T3 7082 Spherical</i>	Pressure Rating & Size	<i>5,000 psi, 11"</i>
Ram #1	<i>T3 6011 - Single</i>	Pressure Rating & Size	<i>5,000 psi, 11"</i>
Ram #2	<i>T3 6011 - Single</i>	Pressure Rating & Size	<i>5,000 psi, 11"</i>

**ACCUMULATOR**

Accumulator MFG	<i>Control Technology</i>	Operating Pressure (psi)	<i>3,000</i>
Accumulator Volume (l)	<i>636</i>	# of Stations	<i>6</i>

**CHOKE MANIFOLD (NACE)**

Type	<i>Double Gut</i>	Pressure Rating (psi)	<i>5,000</i>
Size	<i>3-1/8"</i>		

**GENERATOR SETS (DUAL FUEL)**

Generator MFG	<i>Marathon &amp; Stamford</i>	Engine MFG	<i>CAT &amp; Detroit</i>
Generator Model (qty)	<i>572RSL4027 &amp; HCI534D1L</i>	Engine Model (qty)	<i>C-16 &amp; Series 60</i>
Prime Rating (kW)	<i>410 &amp; 470</i>	Voltage (V)	<i>208 / 480</i>

**MISCELLANEOUS EQUIPMENT**

Fuel Tank Capacity (m <sup>3</sup> )	<i>20 (Total)</i>	Pipe Tub Type	<i>Hydraulic</i>
# of Fuel Tanks	<i>1</i>	Catwalk	<i>Hydraulic</i>
Water Tank Capacity (m <sup>3</sup> )	<i>77 (Total)</i>	Catwalk Clear Height	<i>23-1/2"</i>
# of Water Tanks	<i>1</i>	Catwalk Clear Width	<i>35"</i>

**RENTAL**

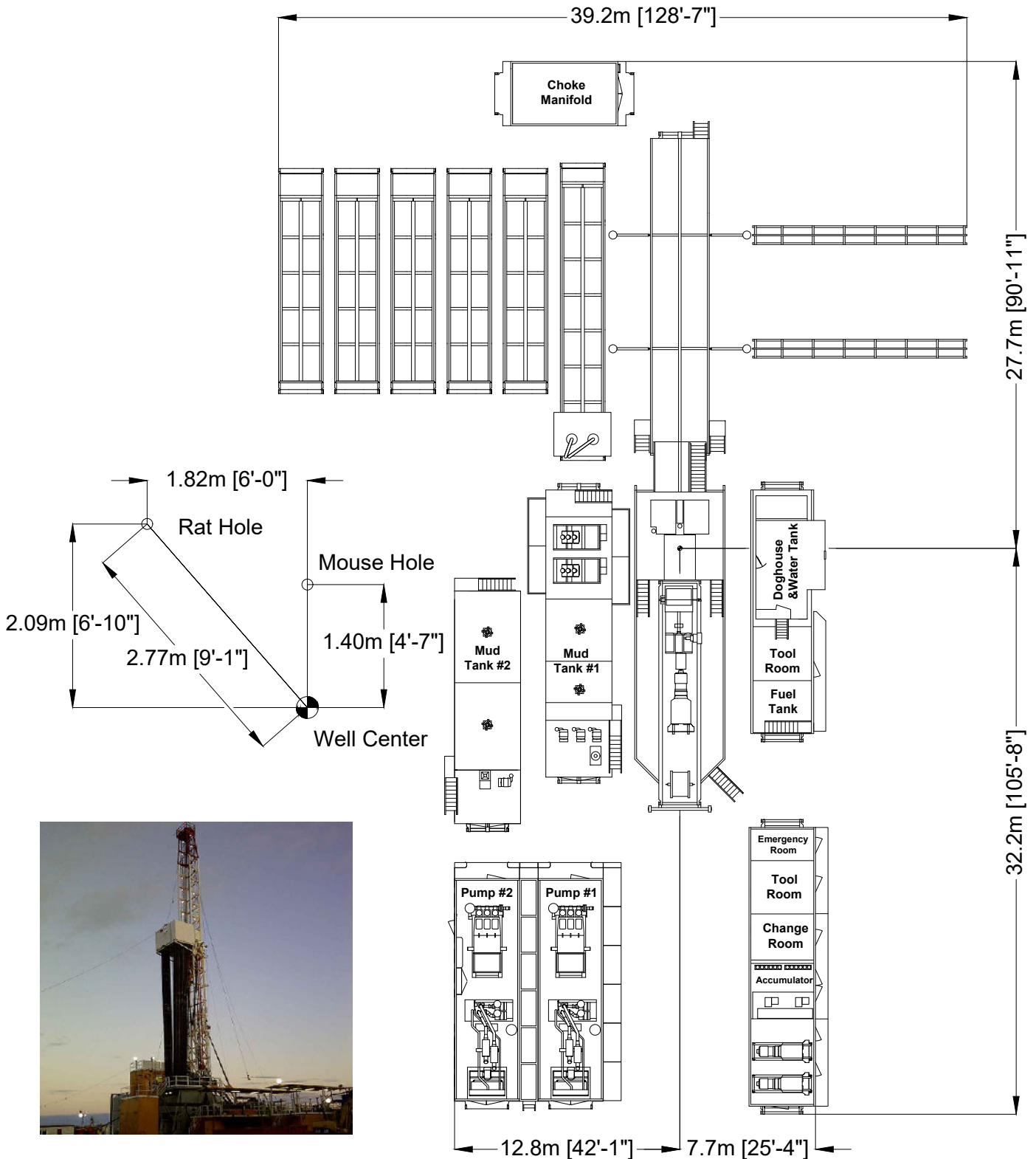
Boiler MFG	<i>Sask. Boiler -Dual Fuel</i>	Boiler Rating (hp)	<i>125</i>
Flare Tank Skid	<i>As Required</i>	Loader	<i>As Required</i>

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