



RIG 19 - TELESCOPIC DOUBLE

Depth Capacity (TVD) : 4,500 m Rig Loads : 17 (+ Rentals & Pipe)

MAST

Mast Type	<i>Telescopic Double</i>	Drill Line Size (mm)	<i>28.6</i>
Mast MFG	<i>Ja-Co</i>	Number of Lines	<i>10</i>
Static Hook Load (daN)	<i>196,000</i>	3:1 Capacity (daN)	<i>191,000</i>
Mast Clear Height (m)	<i>32.3</i>	2:1 Capacity (daN)	<i>287,000</i>

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)	<i>5,200 m</i>
Substructure MFG	<i>Ja-Co</i>	Racking Capacity (114.3 mm)	<i>5,200 m (w/DS40 TJ)</i>
Setback Capacity (daN)	<i>156,000</i>	Racking Capacity (127.0 mm)	<i>3,900 m</i>
BOP-Sub Clr. w/ Pony (m)	<i>4.43</i>	Rotary Table MFG	<i>BOMCO</i>
Floor Height w/ Pony (m)	<i>5.49</i>	Rotary Table Capacity (daN)	<i>178,000</i>
Pony Sub Height (m)	<i>1.22</i>	Rotary Table Size	<i>27.5"</i>

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

DRAWWORKS (MECHANICAL)

Drawworks MFG	<i>Revolution Equipment</i>	Drawworks Drive	<i>CAT C-27</i>
Drawworks Model	<i>REM-850</i>	Drive Rating (hp)	<i>875</i>
Single Line Pull (daN)	<i>24,500</i>	Auxiliary Brake	<i>Eaton 236WCBD</i>
Rated Power (hp)	<i>850</i>	Transmission	<i>Allison 6620</i>

OVERHEAD EQUIPMENT

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

HIGH PRESSURE CIRCULATING SYSTEM

System Pressure (psi)	<i>5,000</i>
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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)	<i>1,300 (Each)</i>	Pump Drive Rating (hp)	<i>1,350 (Each)</i>
Pump Stroke Length	<i>11"</i>		

MUD SYSTEM

Total Volume (m ³)	<i>98</i>	# of Mud Tanks	<i>1</i>
Active Volume (m ³)	<i>79</i>	# of Compartments	<i>4 + 1 Trip + 1 Pill</i>
Trip Tank Volume (m ³)	<i>4.7</i>	Pill Tank Volume (m ³)	<i>3.8</i>
Agitators Power (qty)	<i>5.6 kW (4)</i>	Mixing Hopper (qty)	<i>Conventional (2)</i>
Centrifugal Pump Quantity	<i>3</i>	Centrifugal Pump Size (mm)	<i>152 x 127 x 279</i>
Shale Shaker	<i>Deriick FLC 504 Dual</i>	Degasser Size (mm)	<i>914</i>



BOPs (NACE)

Annular	<i>HRSB Spherical</i>	Pressure Rating & Size	<i>5,000 psi, 11"</i>
Ram #1	<i>Shafco - Single</i>	Pressure Rating & Size	<i>5,000 psi, 11"</i>
Ram #2	<i>Shafco - 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>454</i>	# of Stations	<i>6</i>

CHOKE MANIFOLD (NACE)

Type	<i>Double Gut</i>	Pressure Rating (kPa)	<i>34,500</i>
Size	<i>3-1/8"</i>		

GENERATOR SETS

Generator MFG	<i>Stamford</i>	Engine MFG	<i>Cummins</i>
Generator Model (qty)	<i>HCI534F1 (3)</i>	Engine Model (qty)	<i>QSX15-G9 (3)</i>
Prime Rating (kW)	<i>507 (Each)</i>	Voltage (V)	<i>208 / 480</i>

MISCELLANEOUS EQUIPMENT

Fuel Tank Capacity (m ³)	<i>17 (Total)</i>	Pipe Tub Type	<i>Conventional</i>
# of Fuel Tanks	<i>1</i>	Catwalk	<i>Hydraulic</i>
Water Tank Capacity (m ³)	<i>82 (Total)</i>	Catwalk Clear Height	<i>22-1/2"</i>
# of Water Tanks	<i>1</i>	Catwalk Clear Width	<i>24"</i>

RENTAL

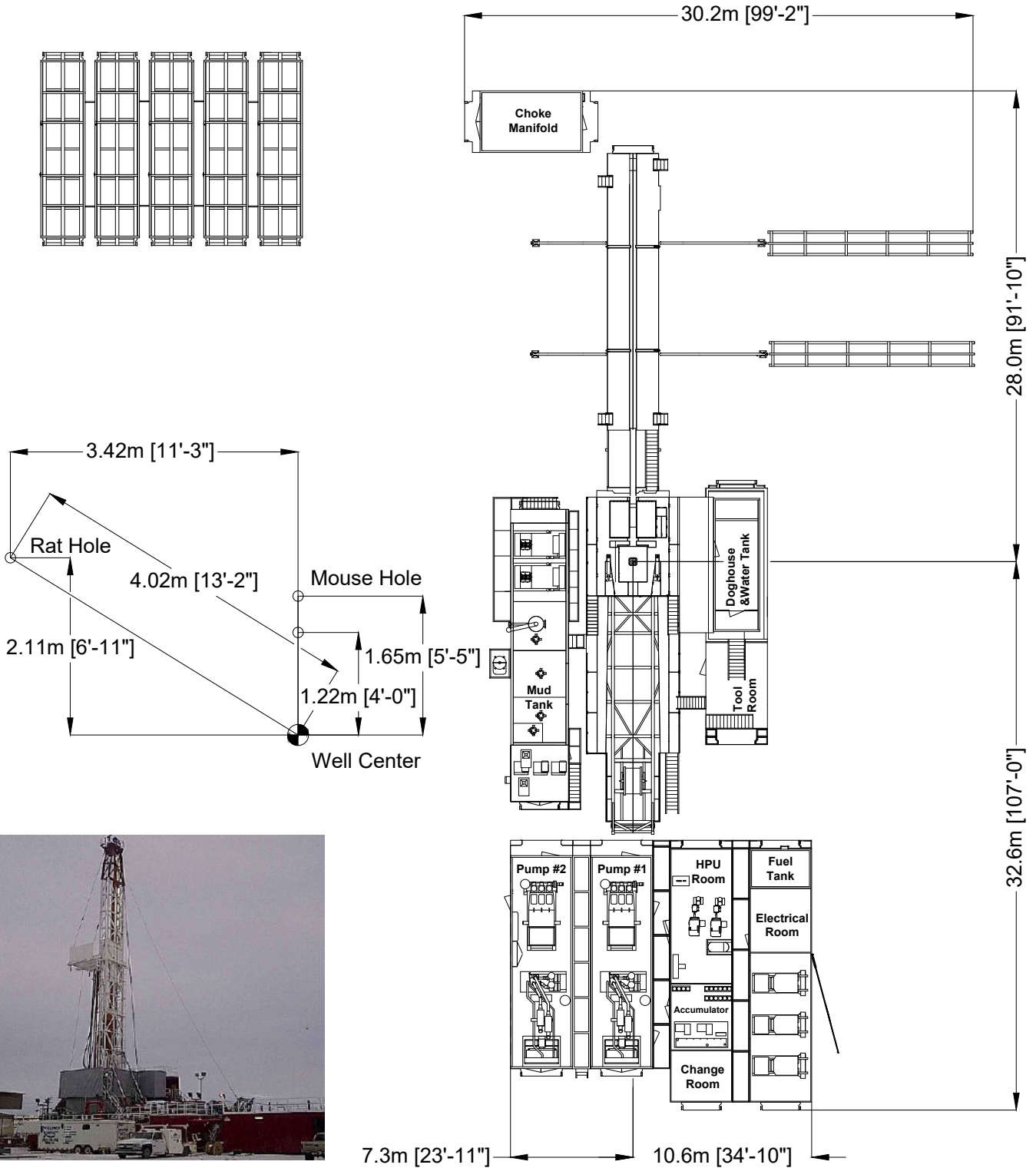
Boiler MFG	<i>York-Shibley</i>	Boiler Rating (hp)	<i>125</i>
Flare Tank Skid	<i>As Required</i>	Loader	<i>As Required</i>

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): 4,500 m / 14,800'



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