



# RIG 43 - TELESCOPIC DOUBLE

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

## MAST

Mast Type	<i>Telescopic Double</i>	Drill Line Size (mm)	28.6
Mast MFG	<i>Ja-Co</i>	Number of Lines	10
Static Hook Load (daN)	196,000	3:1 Capacity (daN)	191,000
Mast Clear Height (m)	32.3	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)	5,900 m
Substructure MFG	<i>Ja-Co</i>	Racking Capacity (114.3 mm)	5,900 m (w/DS40 TJ)
Setback Capacity (daN)	178,000	Racking Capacity (127.0 mm)	3,900 m
BOP-Sub Clr. w/ Pony (m)	4.43	Rotary Table MFG	<i>BOMCO</i>
Floor Height w/ Pony (m)	5.49	Rotary Table Capacity (daN)	178,000
Pony Sub Height (m)	1.22	Rotary Table Size	27.5"

Retractable platform for floor wrench integrated into substructure.

**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)	875
Single Line Pull (daN)	24,500	Auxiliary Brake	<i>Eaton 236WCBD</i>
Rated Power (hp)	850	Transmission	<i>Allison 6620</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)	7,500
-----------------------	-------

## MUD PUMPS

Pump MFG & Model (qty)	<i>TSC Offshore WF-1300</i> <i>TSC Offshore WF-1500</i>	Mud Pump Drive (qty)	<i>Cummins QST30 (2)</i>
Pump Rated Power (hp)	1,300 (1), 1,500 (1)	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> )	188	# of Mud Tanks	2
Active Volume (m <sup>3</sup> )	156	# of Compartments	6 + 1 Trip + 1 Pill
Trip Tank Volume (m <sup>3</sup> )	5.5	Pill Tank Volume (m <sup>3</sup> )	10.2
Agitators Power (qty)	5.6 kW (5) + 4.1 kW (1)	Mixing Hopper (qty)	Conventional (2)
Centrifugal Pump Quantity	4	Centrifugal Pump Size (mm)	152 x 127 x 356
Shale Shaker	<i>Mi-Swaco Mongoose Pro Dual</i>	Degasser Size (mm)	914



**Sales and Marketing**  
**Horizon Drilling, a division of Western Energy Services Corp.**  
**Tel: 403-290-0308 Email: sales@horizondrilling.ca**

---

**BOPs (NACE)**

Annular	<i>Shenkai Spherical</i>	Pressure Rating & Size	<i>5,000 psi, 11"</i>
Ram #1	<i>Shenkai LWS - Single</i>	Pressure Rating & Size	<i>5,000 psi, 11"</i>
Ram #2	<i>Shenkai LWS - Double</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>530</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**

Generator MFG	<i>Stamford</i>	Engine MFG	<i>Cummins</i>
Generator Model (qty)	<i>HCI534E1 (3)</i>	Engine Model (qty)	<i>QSX15-G9 (3)</i>
Prime Rating (kW)	<i>507 (Each)</i>	Voltage (V)	<i>208 / 480 / 600</i>

**MISCELLANEOUS EQUIPMENT**

Fuel Tank Capacity (m <sup>3</sup> )	<i>17 (Total)</i>	Pipe Tub Type	<i>Conventional</i>
# of Fuel Tanks	<i>1</i>	Catwalk	<i>Hydraulic</i>
Water Tank Capacity (m <sup>3</sup> )	<i>82 (Total)</i>	Catwalk Clear Height	<i>25"</i>
# of Water Tanks	<i>1</i>	Catwalk Clear Width	<i>28"</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>

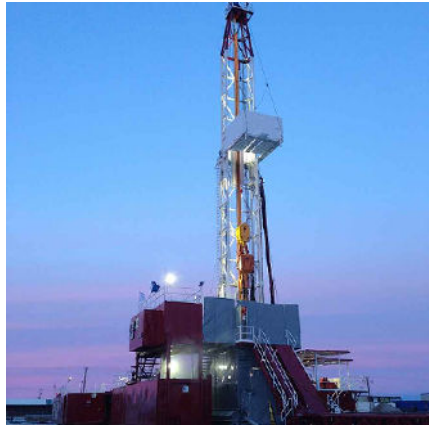
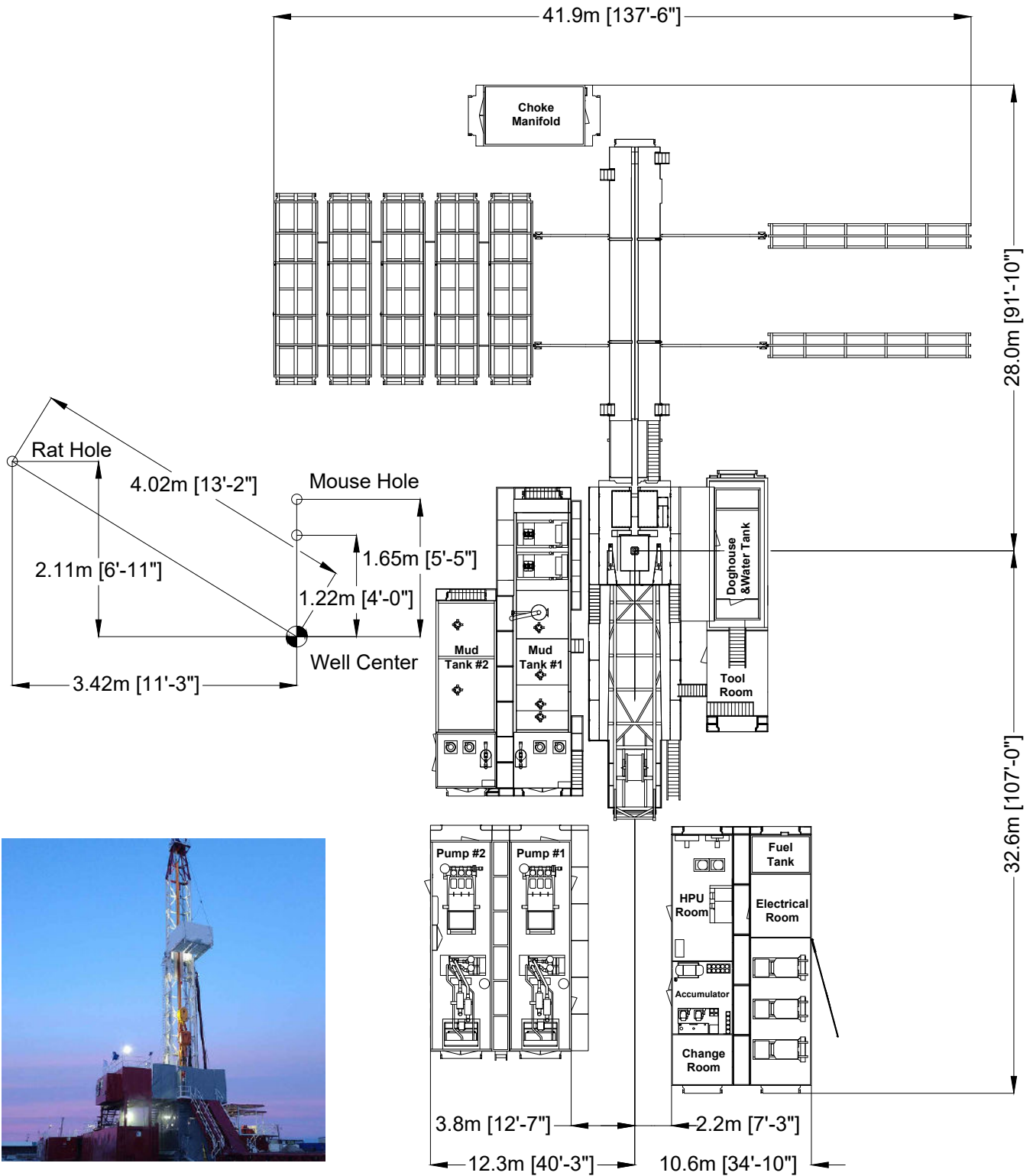
**Rental equipment are not included in the rig load count.**

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

---

# RIG 43 – TELESCOPIC DOUBLE

Depth Capacity (TVD): 4,500 m / 14,800'



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