



RIG 11 - CANTILEVER TRIPLE

Depth Capacity (TVD) : 5,000 m Rig Loads : 25 (+ Rentals & Pipe)

MAST

Mast Type	<i>Cantilever Triple</i>	Drill Line Size (mm)	28.6
Mast MFG	<i>Quality Fabricating</i>	Number of Lines	10
Static Hook Load (daN)	222,000	3:1 Capacity (daN)	191,000
Mast Clear Height (m)	41.5	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>Two Piece, Box on Box</i>	Racking Capacity (101.6 mm)	6,900 m
Substructure MFG	<i>Quality Fabricating</i>	Racking Capacity (114.3 mm)	6,500 m (w/DS40 TJ)
Setback Capacity (daN)	178,000	Racking Capacity (127.0 mm)	5,350 m
BOP-Sub Clr. w/ Pony (m)	4.60	Rotary Table MFG	<i>SJ Petro</i>
Floor Height w/ Pony (m)	5.49	Rotary Table Capacity (daN)	200,000
Pony Sub Height (m)	N/A	Rotary Table Size	20.5"

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

DRAWWORKS (AC)

Drawworks MFG	<i>ALTA Rig Systems</i>	Drawworks Drive	<i>GE GEB20B3</i>
Drawworks Model	<i>ARS-1200-AC</i>	Drive Rating (hp)	1,150
Single Line Pull (daN)	33,400	Brake System	<i>Static & Dynamic</i>
Rated Power (hp)	1,150		

OVERHEAD EQUIPMENT

Block Model	<i>McKissick 250T</i>	Block Capacity (ton)	250
Hook Model	<i>McKissick 250T</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
-----------------------	-------

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 WITH HYDRAULIC ROOF

Total Volume (m ³)	188	# of Mud Tanks	2
Active Volume (m ³)	156	# of Compartments	6 + 1 Trip + 1 Pill
Trip Tank Volume (m ³)	5.5	Pill Tank Volume (m ³)	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



BOPs (NACE)

Annular	<i>HRSB Spherical</i>	Pressure Rating & Size	<i>5,000 psi, 11"</i>
Ram #1	<i>HRSB - Double</i>	Pressure Rating & Size	<i>5,000 psi, 11"</i>
Ram #2	<i>HRSB - 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 (psi)	<i>5,000</i>
Size	<i>3-1/8"</i>		

GENERATOR SETS

Generator MFG	<i>Stamford</i>	Engine MFG	<i>Detroit</i>
Generator Model (qty)	<i>HCI534F1H (3)</i>	Engine Model (qty)	<i>Series 60 (3)</i>
Prime Rating (kW)	<i>511 (Each)</i>	Voltage (V)	<i>208 / 600</i>

MISCELLANEOUS EQUIPMENT

Fuel Tank Capacity (m ³)	<i>19 / 60 (Total)</i>	Catwalk	<i>Hydraulic</i>
# of Fuel Tanks	<i>2</i>	Catwalk Clear Height	<i>N/A</i>
Water Tank Capacity (m ³)	<i>90 (Total)</i>	Catwalk Clear Width	<i>N/A</i>
# of Water Tanks	<i>1</i>	Floor Wrench Type	<i>NOV IR3080</i>
Pipe Tub Type	<i>Hyd. + Conventional</i>	Make-up Torque (ft-lb)	<i>60,000</i>
		Break-out Torque (ft-lb)	<i>80,000</i>

RENTAL

Boiler MFG	<i>Sask. Boiler MFG. Co. Ltd.</i>	Boiler Rating (hp)	<i>100</i>
Flare Tank Skid	<i>As Required</i>	Loader	<i>As Required</i>

Rental equipment are not included in the rig load count.

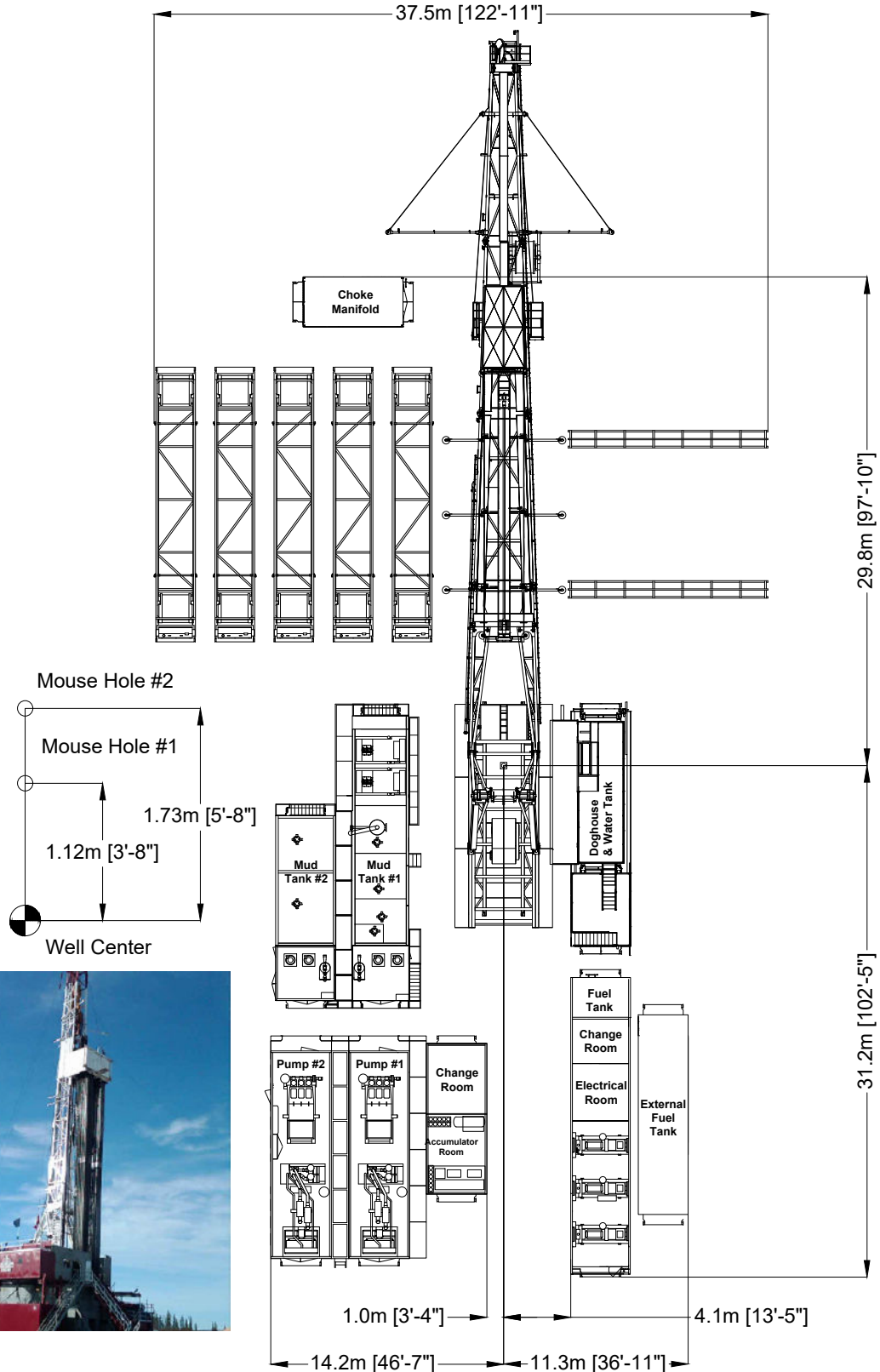
AC FEATURES

Climate Controlled Doghouse	Drawworks PLC
Driller's Console	ABB Drives
Generator Synchronization	2 Camera CCTV in Mast

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

RIG 11 – CANTILEVER TRIPLE

Depth Capacity (TVD): 5,000 m / 16,400'



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