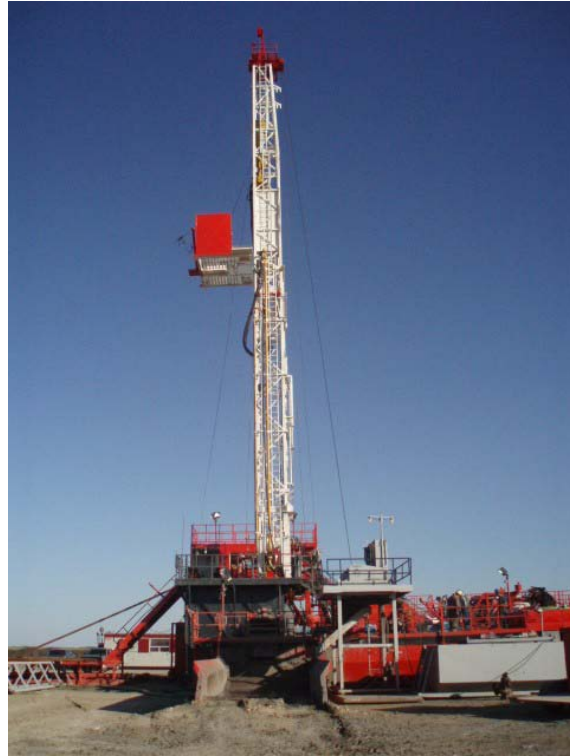


# TOTEM DRILLING LTD.

## Rig 1 Inventory



- Totem Drilling Rig 1 Inventory
- Date Built --> 2006
- Number of Loads / summer --> 15
- Number of Loads / winter --> 16
- Fast rig up and tear out design ( Average Move To Derrick Raised 4 Hours In Good Weather And Lease Conditions)
- Drawworks --> RG Petroleum Model JC30 Drawworks Rated At 750 hp Powered by 675 HP Series 60 Detroit Engine
- Depth Rating --> Rated 3500 m Vertical Depth (4" Drill Pipe) 4500 m Horizontal
- Mast Size --> RG Petroleum Model JJ15831D 105' Telescopic Double Mast
- Substructure --> RG Petroleum Model DZ 160/4.5 Substructure



- RG Petroleum Model YG160C traveling block rated at 340,000 lbs with 1 1/8" x 8 drilling line
- 10 inch by 50 inch brake band capacity with integral glycol cooling with Eaton 324 E Brake
- 20 inch Rotary Table Brake (Capable of holding rotary table for horizontal steering)
- 100 hp hydraulic system , complete with 50 hp backup hydraulic system complete with hydraulic Tugger and boom line winches along with hydraulic survey winch and 10,000 feet of survey line
- RG Petroleum 160 ton Swivel complete with Gill model 100 Kelly spinner
- Mud tank --> 5 Compartment 60 Cubic Meter Mud tank c/w Swaco Mongoose Shale Shaker
- Heated mixing shack, complete with 50 HP 8X6 Victory mixing pump and mud testing equipment , Mixer capable of pumping tanks to and from 400 bbl tanks if requested



- Bomco F-800 Triplex Pump powered by 640 hp Detroit Diesel Engine complete with 800 hp Pacific Rim transmission equipped with 5x6 centrifugal precharge pumps along with 3000 psi otteco relief valve also equipped with 20 gallon pulsation dampener.
- Pump house is heated and equipped with storage space for all associated equipment



- Detroit Diesel 300kW generator c/w 480V and 240V electrical panels



- RG Petroleum FH23-21 annular preventer rated 21,000 kPa and 2 FZ23-21 single gate preventers rated at 21,000 kPa hydraulic HCR equipped
- 9"x9" and 9"x11" working spools
- 3"x2" 21,000 kPa choke manifold mounted at the end of the catwalk. Heated, SIDPP and SICP Gauges, mud return to poorboy degasser and flare tank ready

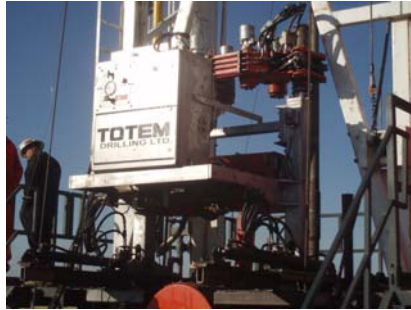


- Drill String (Pipe) --> 300 jts of 4" pipe (101.2 mm) with 4" FH Pin Box Connections, X95-15.7# per foot, - Tool joint ID 82mm OD 139 mm
- Drill String (Heavywates) --> 60 jts of 4inch (101.2 mm) x 4" FH Pin / Box Connections w/ Drillco Hard Banded HWDP, - 29.7 lbs per foot, ID 66.675mm, OD 139 mm
- Drill String (Collars) --> 12 jts of 6 ¼" x 4 ½" XH connections, hard banded Drill Collars
- Pason equipped drilling recorder base system along with auto driller



- Hydraulic Alco Smart Iron Roughneck system and hydraulic catwalk assist in safety of personnel and less damage to drill string.

➤



- See Connection made by Iron Roughneck here:  
<http://www.totemdrilling.com/Totem%20Rig%20Iron%20Roughneck.wmv>
- See Hydraulic Catwalk in operation here:  
<http://www.totemdrilling.com/Totem%20Hydraulic%20Catwalk/Totem%20Hydraulic%20Catwalk.wmv>
- See Rig # 1 lease Layout here:  
<http://www.totemdrilling.com/Rig%20Lease%20Layout.PDF>
- Find Rig # 1 Here - Rig Locator -  
<http://totemdrilling.com/totemriglocator.pdf>