



Rig #16 Specifications

<u>Drilling Range:</u>	20,000' With 4½" Drill Pipe.
<u>Drawworks:</u>	JN-1,500 H.P. Driven by (2)-1,000 H.P. DC Traction Motors with a 336 WCB Eaton auxiliary brake and Electrical Control Panel.
<u>Mast:</u>	DSI 142' High, Rated at 1,000,000# GNC and 750,000# Static Hook Load.
<u>Substructure:</u>	DSI 30' High With 1,000,000# Maximum Capacity.
<u>Mud Pump #1:</u>	TFI JF-1600 Triplex, 7" x 12" 1,600 H.P., Powered by (2)-1,000 H.P. DC Traction Motors, Charged by (1)-6X8 Centrifugal Pump.
<u>Mud Pump #2:</u>	TFI JF-1600 Triplex, 7" x 12" 1,600 H.P., Powered by (2)-1,000 H.P. DC Traction Motors, Charged by (1)6X8 Centrifugal Pump.
<u>Rotary Table:</u>	ZP/275 Rotary Table – 27-1/2".
<u>Automatic Catwalk</u>	Canrig Powercat Model 3000 Automatic Catwalk System.
<u>Floorhand</u>	Blohm + Voss Oil Tools GF 1100 Auto Floorhand Wrench & Spinner Combination.
<u>Traveling Assembly:</u>	TFI YC 500 Block and DG 500 Hook Combination.
<u>Top Drive</u>	Canrig Model 1250 AC-681 500 Ton Top Drive Drilling System.
<u>SCR /Power System:</u>	(3)-Detroit Diesel, 16V2000 (1,400 BHP Each) Diesel Engines Driving (3)- Marathon 1,357 KW Generators Ross Hill electric 4 Bridge SCR Unit and G.E. Electrical Control Unit.
<u>BOPE:</u>	TFI 13-5/8", 10,000# Annular, TFI 13-5/8", 10,000# Double Ram, Cameron 13-5/8" Single Ram, 160 Gallon Accumulator and 10,000# Choke Manifold.
<u>Mud System:</u>	(2)-Pit System, 1,000 Total Barrels, with Shaker, Volume, Mud Cleaning, Suction and Pill Mixing Compartments, (4) Mud Agitators, and (4)-5x6 Centrifugal Pumps, and 2 Brandt Cobra flow line cleaners.
<u>Water/Fuel Storage:</u>	400 BBLS / 11,000 Gallons.
<u>Auxiliary Equipment:</u>	(2)-Air Winches, Wireline Unit (.092"), (2)-Air Compressors, Upper & Lower Doghouses, Rig Manager's Trailer.