



## Rig #1 Specifications

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<b><u>Drilling Range:</u></b>	5,000' With 4-1/2" Drill Pipe. 6,500' With 3-1/2" Drill Pipe.
<b><u>Drawworks:</u></b>	Challenger 360, 400 H.P., Driven by (1)-Caterpillar C-15 Diesel Engine With a V-80 Parmac Hydromatic Brake and (1)-Allison 5860 6-Speed Transmission.
<b><u>Mast:</u></b>	Challenger 84' (Free Standing), Rated at 240,000# Static Hook Capacity, With Double Traveling Blocks.
<b><u>Substructure:</u></b>	Challenger 12' High, With 300,000# Capacity and 10'-1" Under Rotary Beam.
<b><u>Mud Pump #1:</u></b>	Continental Emsco F-800 Triplex, 9"x6-3/4", 800 H.P., Powered by a Caterpillar D-398 Diesel Engine, Charged by (1)-5x6 Centrifugal Pump.
<b><u>Rotary Table:</u></b>	Howard Turner 18".
<b><u>Traveling Assembly:</u></b>	McKissick 100 Ton Block/Hook Combination and Howard Turner 100 Ton Swivel.
<b><u>Tripping Block:</u></b>	Baash Ross 100 Ton, 4-30", Sheave Block/Hook Combination.
<b><u>Generators:</u></b>	(2)-Caterpillar 3306T Diesel Engines Driving (2)-Caterpillar 125 KW Generators.
<b><u>Mud System:</u></b>	(1)-218 Barrel, 3-Compartment Mud Tank, (1)-5x6 Centrifugal Mixing Pump, (1)-5x6 Centrifugal Desilting Pump.
<b><u>B.O.P.E.</u></b>	Hydril GK 11", 3,000# Annular, Koomey 80 Gallon Accumulator and 3,000# Choke Manifold.
<b><u>Water/Fuel Storage:</u></b>	400 BBLs./2,200 Gallons.
<b><u>Auxiliary Equipment:</u></b>	(2)-Hydraulic Winches, Wireline Unit (.092"), Doghouse, Toolpusher Trailer.