



Rig #22 Specifications

<u>Drilling Range:</u>	6,000'-12,500' with 4 ½" Drillpipe.
<u>Drawworks:</u>	NOV SSDG 1,500 H.P. AC Drive powered by (1)-1,500 HP AC Motor.
<u>Mast:</u>	NOV 80' Rapid Rig Telescoping, Rated at 500,000# Static Capacity With 8 Lines.
<u>Substructure:</u>	NOV 20' High Rapid Rig Slingshot, 500,000# Capacity With 18' Clearance.
<u>Mud Pump #1:</u>	Emsco OE F-1,600 Triplex 7"x 12" 1,600 HP Powered by (1)-1,231 H.P. AC Motor Charged by (1)-5x6 Centrifugal Pump.
<u>Mud Pump #2:</u>	Emsco OE F-1,600 Triplex 7"x 12" 1,600 HP Powered by (1)-1,231 H.P. AC Motor Charged by (1)-5x6 Centrifugal Pump.
<u>Drillers Cabin:</u>	Rapid Rig AC Amphion Integrated Control System.
<u>Rotary Table:</u>	NOV Type 21 Powerslip - 36-1/2".
<u>Automatic Catwalk:</u>	NOV Pipecat PC5-47.
<u>Floorhand:</u>	NOV ST-80.
<u>Automatic Driller:</u>	NOV Amphion Integrated Drilling Control System.
<u>Traveling Assembly:</u>	NOV 4 Sheave 250 Ton, NOV Hydraulic Elevators.
<u>Top Drive:</u>	NOV TDS 10RR AC 250 Ton, 36,500 ft-lbs. Maximum Torque.
<u>Generator Package:</u>	(3)-Caterpillar 3512C Diesel Engines (1,476 HP Each) Driving (3)-NOV 1,750 KVA Generators With NOV AC VFD.
<u>Mud System:</u>	(1)-Pit System, 400 Total Barrels, With Shaker, Volume, Mud Cleaning and Pill Mixing Compartments, Submerged Guns, (2)-Centrifugal Pumps, (2)-Flowline Cleaners and 3 Brandt Mud Agitators.
<u>B.O.P.E.:</u>	NOV 5,000# Annular, Double Ram, Single Ram with NOV Handling System, 5,000# Choke Manifold, Koomey 120 Gallon Accumulator, Koomey Test Unit.
<u>Water/Fuel Storage:</u>	400 bbl Water Tank / 12,000 Gallon Fuel Storage.
<u>Auxiliary Equipment:</u>	(2)-Air Compressors; (2)-Hydraulic Pumps, Crew Change Quarters.