



Rig #21 Specifications

Drilling Range:	19,000' With 5" Drill Pipe.
Drawworks:	American Block Model 1,500 H.P. AC Drives; Driven by 1,500 H.P. GE AC Motor.
Mast:	Superior 142' Telescoping Derrick, Rated at 750,000# Static Hook Capacity.
Substructure:	Superior 25' High Sling Shot With 21' Clearance; Hercules EB Deadman Anchor With 750,000# Capacity.
Walking system:	Factory Walking System With 4/18" Stroke/ft.
Mud pump #1:	Gardner Denver PZ11 1,600 H.P. Triplex Pumps Powered GE 1,600 H.P. AC Motor Charged by (1)-6x8 Centrifugal Pump.
Mud pump #2:	Gardner Denver PZ11 1,600 H.P. Triplex Pumps Powered GE 1,600 H.P. AC Motor Charged by (1)-6x8 Centrifugal Pump.
Mud pump #3:	Gardner Denver PZ11 1,600 H.P. Triplex Pumps Powered GE 1,600 H.P. AC Motor Charged by (1)-6x8 Centrifugal Pump.
Rotary Table:	37-1/2" American Block Powered by 600 H.P. AC Motor.
Automatic Catwalk:	Forum PWS-3550 System.
Floorhand:	Blohm + Voss Oil Tools Auto Floorhand.
Automatic Driller:	IEC Auto Driller; Hydraulic Catheads on Rig Floor.
Traveling assembly:	American Block 400 Ton Block/Hook Combination.
Top Drive:	Canrig Model 1035 AC-500 350 Ton Top Drive, Maximum Torque of 30,000 ft/lbs.
Generator package:	(4)-3512B Caterpillar Diesel Engines (1,496 H.P. Each) Driving (4)-Kato 1,400 KW Generators; VFD house IEC 3x4; (2)-25 Hp Electric Air Compressor and 1-10Hp cold start
Mud system:	(2)-Pit System, 1,000 Active bbls With 100 bbl Slug Tank & 100 bbl Trip Tank; (7)-Mud Agitators; (4)-Centrifugal Pumps; (2)-Mixing Hoppers; (3)-King Cobra Shale Shakers.
Water/ Fuel Storage:	500 bbl Water Tank With (2)-Transfer Pumps; 18,000 Gallon Fuel Storage; (2)-Transfer Pumps.
Auxiliary Equipment:	(2)-12,000# Hydraulic Floor Winches; 25,000' Survey Unit; (1)-Skid Mounted Rig Manager Quarters; (1)-Skid Mounted Crew Change Quarters; (3)-Sets of Pipe Racks; (1)-Parts House.