



Paul
Graham
Drilling

RIG 9

RIG

Our Rig 9 is a conventional, full view, box on box, triple drilling rig with a depth rating of 16,500 feet with 4 1/2" drillpipe.

DRAWWORKS

National 110-UE, S/N T-2197, Double Drum, rated at 1,500 HP Lebus Grooved for 1-3/8" Line, Kelco Make Up and Breakout Catheads, Automatic Drillers Console, NOV Control Panel, Powered by (2) General Electric 752 Traction Motors, w/5-HP Blowers. Driller's console is a NOV model 425.

AUXILLARY BRAKE

Baylor Brake-model 2025A-Serial# PC-640, Model 1461-Dynamic brake.

DERRICK

Ideco Full View, 143', 730,000 lb. Static Hook Load, Pin Type, Crown block, w/60" Sheaves grooved for 1-3/8" Line, 4" Stand Pipe, Crown Safety Platform, Anti Fall Device, Racking Board, Tong Counter Weights, Derrick Climber, Geronimo Line.

SUBBASE

42' x 27' x 27' high box on box, w/rotary Beams, V-Door Ramp, (3) sets of Stairs, Safety Rails, (2) Air Volume Tanks, (4) Water Tanks with 2 Harrisburg 2" x 3" Centrifugal Pumps, Each Powered by 5 HP Electric Motor Wind Walls with Shipping Rack.

ROTARY DRIVE SYSTEM

National model 275 with 27-1/2" rotary table on 53-1/4" Centers, with Varco Split Master Bushing.

TRAVELING EQUIPMENT

- National 545, 350-Ton Capacity, with (5) 45" Sheaves grooved for 1-3/8' Line.

- National P-400, 400-Ton Capacity
- 5 1/4" x 42' square Kelly
6-5/8" LH box and 4 1/2" IF pin.
- Varco, Type HD, Square drive

HANDLING EQUIPMENT

Kelco Make Up and Breakout Catheads. Varco SSW40 drillpipe spinner. International Tool A6C Kelly Spinner. Ingersoll-Rand, Model K6U, 10,000-lb. air tugger for the main line. Ingersoll-Rand, Model K6U, 10,000-lb. air tugger for the high line.

MUD PUMPS

Pumps #1 and 2 are identical. They are Weatherford MP-16, 1600 hp triplex mud pumps powered by (2) GE 752 electric motors each. Pump is complete with a 20 gallon pulsation dampener and 5 by 6 charging pumps. All piping and valves are 5 inch 5000 lb. test pressure. Pumps come standard with 6" liners. Other liner sizes are available upon request.

MUD SYSTEM

Shaker tank is 54 ft. long by 9 1/2 ft. wide and 8 ft. high. Compartments consist of a 45 bbl Sand Trap, 133 bbl Dirty Tank and a 133 bbl Secondary Tank for a total of 311 bbls. Shaker Tank comes complete with a removable PGDS model 44 Magnum three panel tandem linear shale shaker. Two mechanical agitators each powered by a 10 hp electric motor. A gun jet system designed to facilitate fluid agitation, distribution and shear is pumped utilizing (3) 60 hp electric driven 5 x 6 centrifugal pumps.

Mixing tank is 50 ft. long by 9 1/2 ft. wide and 8 ft. high. Compartments consist of a 157 bbl Volume Tank #1, 157 bbl Volume Tank #2 and a 60 bbl Pill Pit for a total of 374 bbls a 133 bbl Secondary Tank for a total of 311 bbls. Mixing Tank comes complete with Three mechanical agitators each powered by a 10 hp electric motor. A gun jet system designed to facilitate fluid agitation, distribution, mixing, and shear is pumped utilizing (2) 60 hp electric. Mud mixing is done through a Demco Mud Hopper and housed in an 8' wide x 18' long Mud House.

GENERATORS

Generator 1 is powered by a Cat 3516 diesel engine rated at 2937 hp mounted on 26' x 10' x 10' high skid complete with radiators and air starters.

Generator 2 is powered by a Cat 3516 diesel engine rated at 2937 hp mounted on 26' x 10' x 10' high skid complete with radiators air starters.

Generator 3 is powered by a Cat 3512 diesel engine rated at 1476 hp mounted on 26' x 10' x 10' high skid complete with radiators and air starters.

SCR UNIT

Ross Hill Serial #7050, Model #1400 HP. 3 Engine Bay, 3 SCR Bay, and MCB High Line Power Inlet 3 phase 600 V-3200 AMP. (2) Climate Controlled AC Units.

STORAGE TANK

Water tank is 36' x 8' x 8' high with a 400-barrel capacity. Water is supplied by (2) 1/2" x 2" centrifugal pumps.

Fuel storage tank is 10,000 gallon capacity skid mounted tank with (2) 1.5" x 2" fuel transfer pumps...

Secondary and tertiary containment is available upon request.

HOUSES

Doghouse is 40' x 8' x 8' high with lockers, drinking water, first aid station, tool room, and Tool Pusher's Office.

Driller's Shack is 40' x 8' x 8' high with (9) Parts Bins, (2) Side Mounted Sliding Doors, (20) Lockers, Forced Air-Heater, (8) Double Bulb Fluorescent Lights, Insulated Skid mounted.

Parts House is 40' x 8' x 8' high skid mounted with storage shelves with (2) Gardner-Denver, Electra-Screw, each powered by approx. 30-HP Electric Motor, w/ Air Volume Tank, 120 PSI, Mounted in Parts House.

MISCELLANEOUS

OWI 1600 Wireline Survey Unit W/Counter and Arm Assy. With 14,500' of .108 wire.