



SHALEDRILLER 227

DRAWWORKS

1,500 HP American Block Drawworks powered by (1) 1,500 HP AC Motor

MAST AND SUBSTRUCTURE

Vertical-Erecting Telescoping, three (3) Section Mast: 142' Height, 750,000 lbs. Static Hook Load

Hydraulically Raised "Parallelogram" Substructure: 25' Height, 22.5' Clear Height

Setback Capacity: 500,000 lbs.

Racking Capacity: 20,000' (5" Drill Pipe)

Fully independent, omnidirectional "Walking" system

MUD PUMPS

(2) 1,600 HP Triplex Pumps - 7,500psi

(1) each 1,500 HP AC Motor

ROTATING AND TRAVELING EQUIPMENT

500 ton Canrig 1250 Top Drive w/ 51,400 ft-lbs. torque @ 118 rpm

27-1/2" Rotary Table Independent Drive powered by (1) Hydraulic Motor

400 ton Traveling Block

B.O.P EQUIPMENT

BOP Handling System: Trolley Beam System w/ Manual Winches

13-5/8" x 5,000 psi Annular

13-5/8" x 10,000 psi, Single Ram BOP

13-5/8" x 10,000 psi, Double Ram BOP

2-1/16" X 4-1/16" 10,000 psi Choke Manifold

(1) 7 Station Accumulator Skid

GENERATORS

(3) CAT 3512C Diesel Engines w/ (3) 1750 kVa Generator Sets

CONTROL SYSTEM

IEC VFD House

Climate Control Driller's Cabin w/ joystick controls



SHALEDRILLER 227 *(cont'd)*

MUD SYSTEM

- 1000 bbl. Pit System - 7,500 psi
- (3) Derrick Hyperpool Shale Shakers
- (1) Mud Gas Separator 1,200 gpm 48" diameter / 16' overall length

MUD MIXING EQUIPMENT

- (1) Chemical Mixing Hopper on a single skid
- (1) Caustic Mixing System

LIQUID STORAGE

- (1) 450 bbl. Water Storage Tank
- (1) 400 bbl. Diesel Storage Tank

PIPE HANDLING EQUIPMENT

- (1) FH-80 Iron Roughneck
- (1) Forum Hydraulic Catwalk

ELECTRONIC DRILLING RECORDING EQUIPMENT

- MD Totco Recording System and Equipment

DRILL PIPE

- 20,000' - 5" (S-135) 19.50# w/ NC-50 Connections
- (30) Joints - 5" HWDP

DRILL COLLARS

- (18) 6.5" w/ NC-46 Connections
- (6) 8" w/ NC-56 Connections

LIVING QUARTERS

- (1) Rig Manager Trailer
- (2) Twelve Person Crew Trailers
- (1) Change House—washer, dryer and crew lockers