



SHALEDRILLER 322

DRAWWORKS

2,000 HP NOV Drawworks powered by (1) 2,000 HP AC Motor

MAST AND SUBSTRUCTURE

Two (2) Section Mast: 142' Height, 750,000 lbs. Static Hook Load
Hydraulically Raised Substructure: 25' Height, 22'-6" Clear Height
Setback Capacity: 650,000 lbs.
Racking Capacity: 25,000' (5" Drill Pipe)
Fully integrated, omnidirectional, "Walking" system

MUD PUMPS

(3) 1,600 HP Triplex Pumps - 7,500psi
DC Pumps integrated w/ NOV Amphion AC Control System

ROTATING AND TRAVELING EQUIPMENT

500 ton NOV TDS-11SH Top Drive w/ 51,000 ft-lbs. torque @ 110 rpm
37-1/2" Rotary Table Independent Drive powered by (1) DC Motor
500 ton Traveling Block

B.O.P EQUIPMENT

BOP Handling System: Trolley Beam System w/ Hydraulic 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

(4) CAT 3512C Diesel Engines w/ (4) 1750 kVa Generator Sets

CONTROL SYSTEM

NOV Amphion VFD House
Climate Control Driller's Cabin w/ joystick controls



SHALEDRILLER 322 *(cont'd)*

MUD SYSTEM

- 1000 bbl. Pit System - 7,500 psi
- (3) Derrick Hyperpool Shale Shakers
- (1) Brandt 20 Cone Desilter
- (1) Brandt 3 Cone Desander
- (1) Brandt Vacuum Degasser
- (1) Mud Gas Separator 1,200 gpm 48" diameter / 14'-10" overall length

MUD MIXING EQUIPMENT

- (1) Chemical Mixing Hopper
- (1) Caustic Mixing System

LIQUID STORAGE

- (1) 500 bbl. Water Storage Tank
- (1) 500 bbl. Diesel Storage Tank

PIPE HANDLING EQUIPMENT

- (1) NOV ST-80C Iron Roughneck
- (1) Forum Hydraulic Catwalk

ELECTRONIC DRILLING RECORDING EQUIPMENT

MD Totco Recording System and Equipment

DRILL PIPE

- 25,000' - 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