



SHALEDRILLER 301

DRAWWORKS

1500 Drawworks powered by (1) 1500HP AC Motor

MAST AND SUBSTRUCTURE

Cantilever type, three (3) section 142' height, 750,000lbs static hook load (10 lines)
Self-elevating box on box; Clear Height 26'
750k Casing / 500k Setback Capacity, 22,500' of 5" drill pipe
Walking system - multidirectional capabilities

MUD PUMPS

(2) 1600 Triplex Pumps (7,500 psi)
(1) Each AC 1500 HP Motors

ROTATING AND TRAVELING EQUIPMENT

500 ton Top Drive drilling system, with 51,400 ft-lbs Torque @ 118 rpm
500 ton Traveling Block
37-1/2" Rotary Table Independent Drive powered by (1) 1150 AC Motor

B.O.P. EQUIPMENT

BOP Handling System
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
(1) Choke Manifold x 10,000 psi
(1) 7 station accumulator skid

GENERATORS

(3) Diesel Engines w/ (3) 1750 kVa Gen. Sets
(3) Bi-Fuel (natural gas/diesel) package (1 per engine)

VFD HOUSE

AC/VFD House

MUD SYSTEMS

1000 bbl. circulating mud system (7,500 psi)
(3) Linear motion shale shakers
(1) Desilter
(1) Desander
(1) Degasser
(1) Mud gas separator



SHALEDRILLER 301 *(continued)*

MUD MIXING EQUIPMENT

- (2) Chemical mixing hoppers on single skid
- (1) Caustic mixing system

LIQUID STORAGE

- (1) 375 bbl. water storage tank
- (1) 15,000 gallon diesel storage tank

PIPE HANDLING EQUIPMENT

- (1) Iron Roughneck
- (1) Hydraulic Catwalk

DRILLER CABIN

Climate control driller's cabin with joystick controls

ELECTRONIC DRILLING RECORDING EQUIPMENT

MD Totco recording system and equipment

DRILL PIPE*

- 5 in. S-135 drill pipe
- 5 in. G-105 drill pipe
- 5 in. heavy weight drill pipe

DRILL COLLARS*

- 6.5 in. drill collars with NC-46 connections (spiral and slick)
- 7 in. drill collars with NC-50 connections
- 8 in. drill collars with NC-56 connections

LIVING QUARTERS

- (1) Rig manager trailer
- (2) (12) Man crew trailer
- (1) Change house—washer, dryer and crew lockers

**ICD tubular inventory is based on availability*