



SHALEDRILLER 227

DRAWWORKS

1500 Drawworks powered by (1) 1500 HP AC Motor

MAST AND SUBSTRUCTURE

Vertical Erecting Telescoping, three (3) section 142' height, 750,000lbs static hook load (10 lines)
Parallelogram substructure raised by hydraulic winches; Clear Height 21'
750k casing / 500k setback, 20,000' 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
27-1/2" Rotary Table

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

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 227 *(continued)*

MUD MIXING EQUIPMENT

- (1) Chemical mixing hopper on single skid
- (1) Caustic mixing system

LIQUID STORAGE

- (1) 450 bbl. water storage tank
- (1) 15,800 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*