



SHALEDRILLER 209

DRAWWORKS

1600 Drawworks powered by (1) 1500HP AC Motor

MAST AND SUBSTRUCTURE

Hydraulically Raised Mast 143' Height 750,000 lbs Hook Load
Hydraulically Raised "Single Load" Substructure 26 ft height, 22.5 ft RBC
750,000 lbs Rotary Capacity, 500,000 lbs Setback Capacity
Fully integrated and independent, multidirectional, hydraulic, "WALKING" system
Telescoping flow line custom engineered for multi-well "WALKING" pad applications

MUD PUMPS

(3) 1600 Triplex Pumps (7,500 psi)
(1) Each AC 1500 HP Motors

ROTATING AND TRAVELING EQUIPMENT

500 ton Top Drive drilling system, with 37,500 ft-lbs torque @ 110 rpm
400 ton Traveling Block
ICD 27-1/2" Rotary Table Independent Drive powered by (1) 1150 AC Motor

B.O.P. EQUIPMENT

BOP Handling System
13-5/8" x 5000 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) 6 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
All solids control equipment mounted on a one-load hydraulically raised skid



SHALEDRILLER 209 *(continued)*

MUD MIXING EQUIPMENT

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

LIQUID STORAGE

- (1) 500 bbl. water storage tank
- (1) 500 bbl. 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*