



SHALEDRILLER 320

DRAWWORKS

2000 Drawworks powered by (1) 2000 HP AC Motor

MAST AND SUBSTRUCTURE

Slingshot, two (2) section 142' height, 750,000 lbs. static hook load
Hydraulically raised Slingshot substructure; Clear Height 22.5'
750k casing / 650k setback, 25,000' of 5" drill pipe
Omni-directional walking system capable extending 200'

MUD PUMPS

(3) 1600 HP Triplex Pumps (7,500psi)
DC Pumps integrated w/ NOV Amphion AC control system

ROTATING AND TRAVELING EQUIPMENT

NOVTDS11 500-ton Top Drive drilling system, with 37,500 ft-lbs. Torque @ 118 rpm
500-ton Traveling Block
37-1/2" Rotary Table

B.O.P. EQUIPMENT

BOP Handling System
13-5/8" X 5000psi Annular
13-5/8" x 10,000psi, single Ram BOP
13 5/8" x 10,000psi, Double Ram BOP
(1) Choke Manifold X 10,000psi
(1) 7 Station accumulator skid

GENERATORS

(3) Diesel Engines w/ (3) 1750 kVa Gen. Sets

VFD HOUSE

NOV Amphion AC Control system

MUD SYSTEMS

1000 bbl. circulating mud system (7,500psi)
(3) Linear motion shale shakers
(1) 20 cone Desilter
(1) 3 cone Desander
(1) Vacuum degasser
(1) Mud gas separator



SHALEDRILLER 320 *(continued)*

MUD MIXING EQUIPMENT

- (1) Chemical mixing hopper integrated on suction tank
- (1) Caustic mixing system

LIQUID STORAGE

- 500 bbl. water storage tank
- (1) 500 bbl. (21,000 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*