



SHALEDRILLER 304

DRAWWORKS

1,500 HP American Block Drawworks powered by (1) 1,500 HP AC Motor

MAST AND SUBSTRUCTURE

Cantilever Type, three (3) Section Mast: 142' Height, 750,000 lbs. Static Hook Load
Box on Box Substructure: 29'-6" Height, 25'-6" Clear Height
Setback Capacity: 500,000 lbs.
Racking Capacity: 20,000' (5" Drill Pipe)
Fully integrated, omnidirectional "Walking" system

MUD PUMPS

(3) 1,600 HP Triplex Pumps - 7,500psi
(1) each 1,500 HP AC Motor

ROTATING AND TRAVELING EQUIPMENT

500 ton Canrig 1250 Top Drive w/ 51,400 ft-lbs. torque @ 118 rpm
37-1/2" Rotary Table Independent Drive powered by (1) Hydraulic 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

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



SHALEDRILLER 304 *(continued)*

MUD SYSTEM

1000 bbl. Pit System - 7,500 psi
(3) Derrick 503 Shale Shakers
(1) Atmospheric Degasser
(1) Mud Gas Separator 1,200 gpm 48" diameter / 22'-5" overall length

MUD MIXING EQUIPMENT

(3) Chemical Mixing Hoppers
(1) Caustic Mixing System

LIQUID STORAGE

(1) 365 bbl. Water Storage Tank
(1) 385 bbl. Diesel Storage Tank

PIPE HANDLING EQUIPMENT

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

ELECTRONIC DRILLING RECORDING EQUIPMENT

MD Totco Recording System and Equipment

DRILL PIPE

20,000' - 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 w/ Change House included