



## SHALEDRILLER 164

### DRAWWORKS

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1,000 HP American Block Drawworks powered by (1) 1,000 HP AC Motor

### MAST AND SUBSTRUCTURE

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Vertically-Erecting Telescoping Mast: 136' Height, 500,000 lbs. Static Hook Load  
Hydraulically Raised Parallelogram Substructure: Floor Height 20' Clear Height 16'7"  
Setback Capacity: 350,000 lbs.  
Racking Capacity: 15,000' (5" Drill Pipe)  
Fully integrated, omnidirectional "Walking" System

### MUD PUMPS

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(2) 1,600 HP Triplex Pumps - 5,000 psi  
(1) each 1,500 HP AC Motor

### ROTATING AND TRAVELING EQUIPMENT

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275 ton Canrig 6027 Top Drive w/ 30,000 ft-lbs. torque @ 110 rpm  
27-1/2" Rotary Table Independent Drive powered by (1) Hydraulic Motor  
(rotary not suited for drilling application "false rotary")  
250 ton Traveling Block

### B.O.P. EQUIPMENT

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BOP Handling System: Trolley Beam System w/ Manual Winches  
13-5/8" x 5,000 psi, Annular  
13-5/8" x 5,000 psi, Double Ram BOP  
2-1/16" X 4-1/16" 5,000 psi, Choke Manifold  
(1) 7 Station Accumulator Skid

### GENERATORS

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(3) CAT 3512C Diesel Engines w/ (3) 1950 kVa Generator Sets

### CONTROL SYSTEM

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



## **SHALEDRILLER 164** *(continued)*

### **MUD SYSTEM**

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- 1000 bbl. Pit System - 5,000 psi
  - (3) MI Swaco Venom Shale Shakers
  - (1) Vacuum Degasser
  - (1) Mud Gas Separator 1,200 gpm 48" diameter / 16' overall length
- All solids Control Equipment mount on a one load hydraulically raised equipment skid*

### **MUD MIXING EQUIPMENT**

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- (1) Chemical Mixing Hopper on a single skid

### **LIQUID STORAGE**

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- (1) 440 bbl. Water Storage Tank
- (1) 250 bbl. Diesel Storage Tank

### **PIPE HANDLING EQUIPMENT**

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

### **ELECTRONIC DRILLING RECORDING EQUIPMENT**

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- MD Totco Recording System and Equipment

### **DRILL PIPE**

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- 15,000' - 5" (S-135) 19.50# w/ NC-50 Connections

### **DRILL COLLARS**

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- (20) 6.5" w/ NC-46 Connections
- (5) 8" w/ NC-56 Connections

### **LIVING QUARTERS**

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- (1) Rig Manager trailer
- (2) Twelve Person Crew Trailers
- (1) Change House - washer, dryer and crew lockers