



## SHALEDRILLER 319

### DRAWWORKS

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

### MAST AND SUBSTRUCTURE

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Two (2) Section Mast: 142' Height, 750,000 lbs. Static Hook Load  
Hydraulically Raised Substructure: 25' Height, 22'-6" Clear Height  
Setback Capacity: 500,000 lbs.  
Racking Capacity: 20,000' (5" Drill Pipe)  
Fully integrated, omnidirectional, "Walking" system

### MUD PUMPS

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(2) 1,600 HP Triplex Pumps - 7,500psi

### ROTATING AND TRAVELING EQUIPMENT

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500 ton NOV TDS-11SA Top Drive w/ 37,500 ft-lbs. torque @ 118 rpm  
37-1/2" Rotary Table Independent Drive powered by (1) DC Motor  
450 ton Traveling Block

### B.O.P EQUIPMENT

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BOP Handling System: Trolley Beam System w/ Hydraulic Winches  
13-5/8" x 5,000 psi Annular  
13-5/8" x 5,000 psi, Single Ram BOP  
13-5/8" x 5,000 psi, Double Ram BOP  
2-1/16" X 4-1/16" 10,000 psi Choke Manifold  
(1) 7 Station Accumulator Skid

### GENERATORS

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(3) CAT 3512C Diesel Engines w/ (3) 1750 kVa Generator Sets

### CONTROL SYSTEM

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IEC Driller's Controls  
Climate Control Driller's Cabin w/ joystick controls



**SHALEDRILLER 319** *(continued)*

**MUD SYSTEM**

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1000 bbl. Pit System - 7,500 psi  
(3) Brandt King Cobra Shale Shakers  
(1) Mud Gas Separator 1,200 gpm 48" diameter / 20' overall length

**MUD MIXING EQUIPMENT**

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(1) Chemical Mixing Hopper  
(1) Caustic Mixing System

**LIQUID STORAGE**

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(1) 500 bbl. Water Storage Tank  
(1) 500 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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20,000' - 5" (S-135) 19.50# w/ NC-50 Connections  
(30) Joints - 5" HWDP

**DRILL COLLARS**

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(18) 6.5" w/ NC-46 Connections  
(6) 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