



## SHALEDRILLER 210

### DRAWWORKS

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1,500 HP ICD Drawworks powered by (1) 1,500 HP AC Motor

### MAST AND SUBSTRUCTURE

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ICD Hydraulically Raised Mast: 143' Height, 750,000 lbs. Static Hook Load

ICD Hydraulically Raised "Single Load" Substructure: 26' Height, 22'-5 3/4" Clear Height

Setback Capacity: 500,000 lbs.

Racking Capacity: 20,000' (5" Drill Pipe)

Fully independent, omnidirectional "Walking" system

Telescoping Flow Line custom engineered for multi-well walking applications

### MUD PUMPS

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

(1) each 1,500 HP AC Motor

### ROTATING AND TRAVELING EQUIPMENT

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500 ton NOV TDS-11SA Top Drive w/ 37,500 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")

400 ton Traveling Block

### B.O.P EQUIPMENT

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BOP Handling System: Trolley Beam System w/ Air 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) 6 Station Accumulator Skid

### GENERATORS

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(4) Cummins QSK50 Diesel Engines w/ (3) 1750 kVa Generator Sets

(4) Hythane Bi-Fuel (natural gas/diesel) package (1 per engine)

### CONTROL SYSTEM

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Precise (OMRON) VFD House

Climate Control Driller's Cabin w/ joystick controls



## **SHALEDRILLER 210** *(cont'd)*

### **MUD SYSTEM**

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- 1000 bbl. Pit System - 7,500 psi
  - (3) Derrick Hyperpool Shale Shakers
  - (1) Derrick 16 Cone Desilter
  - (1) Derrick 3 Cone Desander
  - (1) Derrick Vacu-Flo 1,200 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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- (2) Chemical Mixing Hoppers on a single skid
- (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) NOV ST-80C Iron Roughneck
- (1) Canrig 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