



# MORANCO

## RIG 3

7000' - 15000'

### DRAWWORKS

Mid-Continent U-712-A. *Catheads:*  
Make-up, Kelco: Bread-out, Unit  
Drum: 1 1/4" Lebus grooved.  
Compound: 2-engine oil bath chain  
drive.  
Brake: Hydromatic Parkersburg 40"  
double.

### ENGINES

Two 610-H.P. D379TA Caterpillar  
Diesel V8  
Clutches: 24" Fawick

### DRILLING MAST

Lee C. Moore, 131', 550,000# capacity.  
Substructure: 12" x 50' x 24" with 6'  
pony optional.

### TRAVELING EQUIPMENT

Block: Oilwell 350-ton.  
Hook: BJ 4300 350-ton.  
Swivel: National N-80B 350-ton.

### MUD PUMPS

Pump No. 1: ~~Gardner Denver CRGXP~~ **EMSCO DB550**  
Duplex. ~~550~~ <sup>550</sup>-H.P. with Wilson 900 steel  
~~fluid end~~, 4 3/4"-6 1/2" liners, 16" stroke.  
Compound-driven.  
Pump No. 2: Ideal C-250, 350-H.P.,  
powered by one ~~Waukesha NKR~~ engine.  
**CATERPILLAR 353TA**

### LIGHTING SYSTEM

Generators: Two Kohler 15 kw. A.C.  
light plants powered by Waukesha  
180 GKB.  
Lighting: All lights fluorescent or  
mercury vapor. All vapor-proof.

### DRILL PIPE

3000', 4 1/2" Grade E, 20#  
Tool Joints: 4 1/2" H-90, 6 1/4"  
12,000', 4 1/2" Grade E, 16.60#  
Tool Joints: 4" H-90, 6" OD

### BLOWOUT PREVENTERS

One Shaffer LWS hydraulic double  
10" x 1500 series with Payne  
4- valve accumulator closing unit.  
Manifold, 4" x 1500 series flanged  
connections. One Shaffer sperical  
10" x 1500 series.

### DRILL COLLARS

Thirty Drilco spiral-grooved 6 1/2"  
OD, 2 1/4" ID. Three Drilco square  
collars (6 3/4", 7 7/8", 8 3/4" OD's

### MUD PITS

Three 8' x 5' x 30' steel pits.  
Shale Shaker: Link Belt double  
screen.

### WATER STORAGE

Two 500-bbl. horizontal tanks.

### HOUSING

One 8' x 36' air conditioned trailer  
house with sleeping and cooking  
accommodations.

### COMMUNICATIONS

24-hour direct telephone interconnec  
through Hobbs (397-3291) or Midland-  
Odessa (563-0562).

