



## RIG #489

### DRAWWORKS

Oilwell 660-M (700HP)  
1 1/8" drill line, Parmac 342 auxiliary brake

### POWER

(2) Caterpillar C-15 engines (525HP each)

### LIGHT PLANTS

(2) Caterpillar C-18 engines w/ 567 KW generators

### MAST

Ideal 132' w/ 390,000# capacity on 10 lines

### SUBSTRUCTURE

22' box on box  
KB 23' Rotary beam clearance 19'

### BLOCK HOOK

McKissick (250 Ton) combo

### PUMPS

(1) HTLZ-HT FC-1000 (1000HP) triplex pump  
(1) Maxum M-1000 (1000HP) triplex pump  
Each independently powered by (1) Caterpillar 3508 engine

### MUD PITS

(2) tank system - 1000 bbl capacity w/ 100 bbl slug pit

### SOLIDS EQUIPMENT

Brandt King Cobra Dual Shaker  
Brandt 2-cone desander  
Brandt 16-cone desilter  
Atmospheric degasser  
(5) mud agitators

### BOP'S

11" X 5,000 psi Shaffer annular  
11" X 5,000 psi Shaffer double

### ACCUMULATOR

Koomey 6-Station, 260 gallon accumulator

### CHOKE MANIFOLD

5,000 psi choke manifold

### SWIVEL

Skytop Brewster 6SX (220 Ton)

### ROTARY TABLE

Gardner Denver (22 1/2")

### DRILL PIPE

4 1/2" drill pipe

### DRILL COLLARS

8" and 6 1/2" drill collars  
\*quantity subject to availability

### AUXILIARY EQUIPMENT

Pason EDR (base system)  
Fuel Tank - 20,000 gallon capacity  
Water Tank - 500 barrel capacity  
Rig Manager and Crew Quarters  
NOV ST-80 Iron Roughneck  
Satellite automatic driller  
Mathey survey unit  
Man rider  
Power slips

