Mast
Make: Challenger
Model: Cantilever – Hydraulically raised with two rams
Height: 82’
Maximum Static Hook Load: 150,000 pounds
Stand Back Capacity: 3,000 feet of \( \frac{3}{15.5} \) D.P.

- Drilling Line
  Size: 7/8” 9x41 EIPS Swage
  Rating: 97,000 pound single line pull

- Blocks
  Make: McKissick
  Model: 6-75
  Maximum Rating: 75 tons

- Swivel
  Make: Howard Turner
  Model: S4-100 Conversion
  Maximum Hook Load: 75 tons

Drawworks
Make: Challenger
Model: 320
Horsepower: 400 hp
Driven By: One (1) series 60 Detroit Diesel with a horsepower rating of 525 hp @ 1800 rpm

- Transmission
  Make: Detroit Allison
  Model: 5-Speed – 5860

- Rotary Table
  Make: Howard Turner
  Model: RT-2 Oil Bath with a 6:1 Gear Ratio

  Size: 17 1/2” Full Open Bore
  Driven By: Drawworks Motor

- Rotary Table Clutch
  Make: Wichita
  Model: 11” Dual Plate

- Winch
  Make: Rawson - Koeing
  Model: 12HUX-5LSS
  Line Size: \( \frac{1}{2} \) x 225’

- Catheads
  Make: N/A
  35

Substructure
Floor Height: 8’6”
Floor Width: 6’
Rig # 18
Equipment List

Floor Length: 14’
Distance From Ground to Rotary Beam: 8’5”
Kelly Bushings: 9’6”

Generator
Make: Marathon
Model: Magna Max
kW Rating: 350 KW
Driven By: One ( 1 ) series 60 Detroit Diesel
Rated at 490 hp @ 1800 rpm

Mud Pit
Pit Capacity: 100 bbl
- Mixing Pumps
  Count: 1
  Make: Halco
  Model: 5”x6”
  Driven By: 75 hp 480 volt, Marathon 326 TTDR8528
- Shakers
  Count: 1
  Make: Harrisburg
  Model: Orbital
  Screen Size: 20 x 20 mesh, 4’ x 5’ Single Layer
- Solids Control (Desilter)
  Make: Harrisburg Hydroclone
  Model: 04-C
  Number of Cones: 8
  Size of Cones: 4” – 50 gallon per minute cone with a 10 micron and larger separation

Pump
Make: Gardner Denver
Model: FXQ Duplex
Size: 6 ” x 16”
Horsepower: 172 hp
Driven By: One ( 1 ) series 60 Detroit Diesel with a horsepower rating of 525 hp @ 1800 rpm

Blowout Equipment
- Accumulator
  Make: Koomey
  Model: 40
  Pre-charge PSI: 1000 pounds
  Operating PSI: 2000 pounds
  Fluid Volume: 80 gallons
  Back Up System: Nitrogen
  Type: Bottle
Rig # 18
Equipment List

Capacity: 600 cubic feet
Maximum Accumulator PSI: 3000 pounds

- **Hydrill**
  - Available: 11” – 3000 psi working pressure
  - Available: 13 5/8” – 3000 psi working pressure

**Drill Pipe**
- **String # 1**
  - Size: 3 __”
  - Length of String: 3,000 ft.
  - Nominal Weight: 15.50 pounds per foot
  - Grade: E
  - Range: 3
  - Tool Joint Type: 3 __” Reed IF
  - Hardbanding: External

**Drill Collars**
- Available: 4 __” through 6 __”

**Kelly**
- Available: 4 __” square

**Forklift**
- Make: Caterpillar
- Model: 930

**Rig Components Include**
- Trailer mounted drawworks and mast
- 45’ walk trailer
- 45’ pipe trailer
- Trailer mounted mud pump
- Trailer mounted mud tank
- 500 bbl. fresh water tank
- Trailer mounted doghouse with generator
- 40’ accessory trailer
- Tool pusher trailer house
- Short or long casing racks
- Forklift