Mast

Make: Challenger 360
Model: Cantilever – Hydraulically raised with two rams
Height: 90’
Maximum Static Hook Load: 200,000 pounds
Stand Back Capacity: 5,000 feet of 3 ″ 15.5 # D.P.

- Drilling Line
  Size: 4,000 feet of 4 ″ 16.6 # D.P.
  Rating: 1” 9x41 EIPS Swage
  __________ pound single line pull

- Blocks
  Make: McKissick
  Model: 6-100
  Maximum Rating: 100 tons

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

Drawworks

Make: Challenger
Model: 360
Horsepower: 500 hp
Driven By: One (1) series 60 Detroit Diesel with a horsepower rating of 525 hp @ 1800rpm

- Transmission
  Make: Detroit Allison
  Model: 6-Speed – 5860

- Rotary Table
  Make: Howard Turner
  Model: RT-2 Oil Bath with a 6:1 Gear Ratio
  Size: 17 ″ Full Open Bore
  Driven By: Drawworks Motor

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

- Winch # 1
  Make: Pull Master
  Model: PL-7
  Line Size: 2 ″ x 250’

- Winch # 2
  Make: Pull Master
  Model: PL-7
  Line Size: 2 ″ x 250’

- Catheads
  Make: N/A
Rig # 22
Equipment List

Model: N/A

**Substructure**
- Floor Height: 12’
- Floor Width: 17’10”
- Floor Length: 10’
- Distance From Ground to Rotary Beam: 9’6”
- Kelly Bushings: 13’

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

**Mud Pit**
- Pit Capacity: 125bbl
- Mixing Pumps
  - Count: 2
  - Make: Halco
  - Model: 5”x6”
  - Driven By: 75 hp 480 volt, Marathon 326 TTDR8528
- Shakers *(Rentals)*
  - Count: 2
  - Make: Brandt
  - Model: Flow line cleaner
  - Screen Size: 140 mesh

**Pump**
- Make: Emsco
- Model: DB-550
- Size: 6” x 16”
- Horsepower: 550 hp
- Driven By: One (1) series 60 Detroit Diesel rated at 525hp @ 1800 rpm

**Blowout Equipment**
- Accumulator
  - Make: Valvcon
  - Model: 80
  - Pre-charge PSI: 1000 pounds
  - Operating PSI: 2500 pounds
  - Fluid Volume: 150 gallons
  - Back Up System: Nitrogen
  - Type: Bottle
  - Capacity: 600 cubic feet
  - Maximum Accumulator PSI: 3000 pounds
- Hydrill
Rig # 22
Equipment List

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

Drill Pipe
• String # 1
  Size: 3”
  Length of String: 5,000 ft.
  Nominal Weight: 15.50 pounds per foot
  Grade: E
  Range: 2
  Tool Joint Type: 3_” Reed IF
  Hardbanding: External

• String # 2
  Size: 4_”
  Length of String: 5,000 ft.
  Nominal Weight: 16.60 pounds per foot
  Grade: E
  Range: 2
  Tool Joint Type: 4_” XH
  Hardbanding: External

Drill Collars
Available: 4_” through 7”

Kelly
Available: 3_” and 4_” square

Forklift
Make: Caterpillar
Model: 950 F

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