Rig # 14
Equipment List

Mast
Make: Challenger
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: 7/8” 9x41 EIPS Swage
  Rating: 97,000 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: Twin Disc
  Model: 14” Dual Plate

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

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

• Catheads
  Make: N/A
Rig # 14
Equipment List

Model: N/A

Substructure
- Floor Height: 8’6”
- Floor Width: 6’6”
- Floor Length: 17’6”
- Distance From Ground to Rotary Beam: 8’
- Kelly Bushings: 10’ or 14’ with tall sub bases

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
  - Count: 2
  - Make: Harrisburg
  - Model: Flow line cleaner
  - Screen Size: 140 mesh

Pump
- Make: National
- Model: 8-P 80
- Size: 6 _” x 8”
- Horsepower: 800 hp
- Driven By: Two (2) series 60 Detroit Diesels with a combined horsepower rating of 1050 hp @ 1800 rpm

Blowout Equipment
- Accumulator
  - Make: Koomey
  - 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
Rig # 14
Equipment List

• Hydrill
  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
Rig # 14
Equipment List

LAYOUT FOR RIG #14

MUD PUMP
WALK TRAILER
CASING RACKS

FIT

DRILLPIPE TRAILER

WATER TANK

DINGHY

DOGHOUSE

RIG WATERBED DOWN