

Year Modified: 2008

Rated Drilling Depth
 5 in. Drill Pipe: 22,000 ft (6,700 m)
 4-1/2 in. Drill Pipe: 14,750 – 23,000 ft (4,500 m – 7,000 m)

Mast
 Make: Bomco JJ450/46-K
 Height and Type: 152 ft (46.5 m), Cantilever 1,000,000 lbs (4,500 kN)
 Max. Hookload:

Drawworks
 Bomco JC-70D
 Make: 2,000 hp (1,491 kW)
 Rated Input: Two (2) GE 752 DC traction motors.
 Input Power: Each rated 1,000 hp (746 kW)
 1-1/2 in. (38 mm)
 Drilling Line:

Traveling Equipment Bomco YC-450
 Traveling Block: 1,000,000 lbs (4,500 kN)
 Max. Load: Lanzhou LS-National Oilwell SL450-5
 Swivel: 1,000,000 lbs (4,500 kN)
 Max. Load:

Substructure Bomco DZ450/10.5-X
 Make: Swing Lift
 Type: 34.5 ft (10.5 m)
 Floor Height:
 Clear Working Height: 29.5 ft (9 m)
 Max. Rotary Load: 1,000,000 lbs (4,500 kN)
 Setback Load: 495,000 lbs (2,200 kN)

Rotary Equipment
 Top Drive: National Oilwell Varco TDS-11SA 800 hp, two (2) 400 hp (298 kW) AC motors
 Input Power:
 Rotary Table: Bomco ZP 375Z 37-1/2 in. (952.5mm)
 Input Power: One (1) GE 752 1,000 hp DC traction motor
 Static Load Rating: 1,630,000 lbs (7,250 kN)

BOP System
 Annular Preventer: One (1) Hydril GK 13-5/8"-5M
 One (1) Hydril MSP 21-1/4"-2M One (1) Cameron Type "U"
 Ram Preventers: 13-5/8"-10M single ram preventer One (1) Cameron Type "U"
 13-5/8"-10M double ram preventer



Gensets
 Engines: Five (5) Caterpillar 3512-B diesel engines. Each rated at 1,476 hp (1,101 kW) @ 1,200 rpm
 Generators: Five (5) Kato 1,365 kW generators (1,950 kVA)

Power Distribution
 Gen. Control: Five (5) NOV Model 1400 Generator AC Modules
 SCR: Five (5) NOV Model 1400 SCR DC Bays
 MCC: 600/480/208/120 volts

Mud Pumps
 Pumps: Three (3) 1600 hp Triplex Mud Pumps NOV Model 12-P-160 Pumps
 Input Power: Each driven by two (2) 1,000 hp GE 752 DC traction motors

Mud Handling/Solids Control
 Active Mud System: 1,380 bbls (219 m³)
 Total Volume: 2,380 bbls (378 m³)
 Shale Shaker: Three (3) Derrick Model FLC 503 processing rate up to 525 gpm each
 Mud Cleaner: One (1) Derrick Model FLC 2000 process rate up to 1,500 gpm
 Degasser: Swaco Toga vacuum-type processing rate up to 800 gpm

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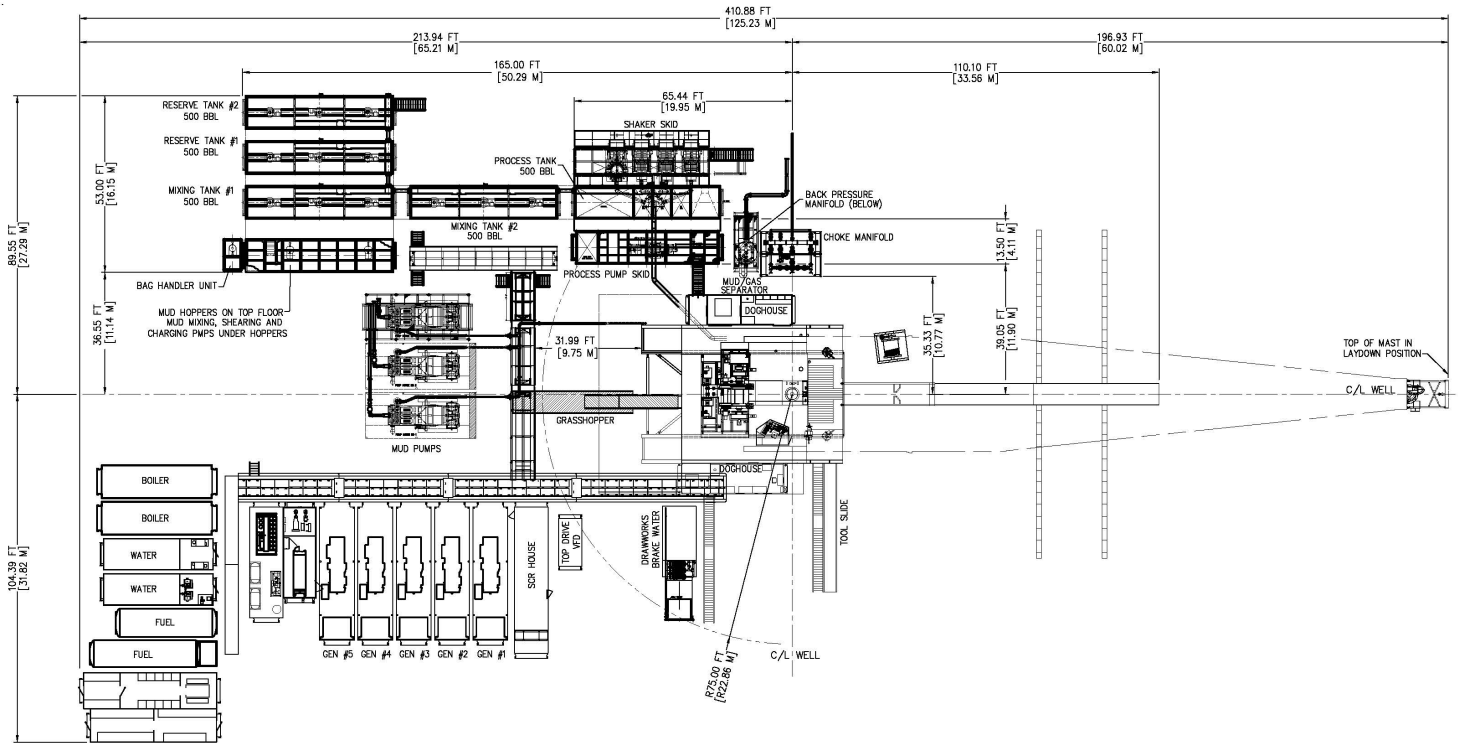
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Rig Plot Plan



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