

Rig 4

General Information

Design: Bethlehem JU-200-MC
Builder: Bethlehem Steel Corp.
Year Built: 1979
Class: ABS ✕ A1 Self-Elevating Drilling Unit

Principal Dimensions

Hull Length: 157 ft
Hull Breadth: 132 ft
Depth: 18 ft
Legs: 3 x 269 ft
Leg Spacing: 127 ft – Longitudinal
110 ft – Transverse
Cantilever Envelope: Aft reach 45 ft x port/stbd 12 ft

Operating Parameters

Design Water Depth: 200 ft
Drilling Depth Rating: 20,000 ft
Design Criteria: IMO, SOLAS, & MARPOL

Maximum Allowable Loads

Variable Deck Load: 4,500 kips, (Includes drilling loads)
Static Hook Load: 750,000 lbs.
Setback: 500,000 lbs.
Rotary: 750,000 lbs.
Max Cantilever Load: 1,000,000 lbs.



Drilling Package

Drilling Equipment

Derrick: Derrick Service International 147' x 30' x 30' with a static hook load capacity of 750,000 lbs.
Drawworks: National 1320UE, 2,000 hp with GE 752 electric motors.
Rotary Table: National C-375, with 1x GE 752 electric motor.
Top Drive: National Oilwell PS-500/500 Electric
Crown Block: National 7-60FA: 500 ton.
Traveling Block: MCKISSICK: 650 ton.
Mud Pumps: 2x National 12-P-160 triplex
Shale Shakers: 2x Brandt Scalpers
2x Derrick High Speed Cascading
1x Derrick Cyclone Mud Conditioner
1x SWACO Degasser

Vessel

Storage Capacities

Fuel: 2,184 bbls
Drill Water: 5,992 bbls
Potable Water: 1,063 bbls
Liquid Mud: 1,491 bbls
Bulk Mud / Cement: 3,000 ft³ / 3,000 ft³
Sack Material: 3,000 sacks

Power System

Main Power: 3x Detroit Diesel 16V-149 TIB 1800 rpm / 1750 hp engines with 3x Kato 1200 SR9E 600 VAC / 1140 kW generators.

Power System: 4 x 4 IPS SCR System

Emergency Power: 1x Auxiliary Detroit Diesel 16V-149 TIB 1800 rpm / 1750 hp engine driving a Kato 1200 SR9E 600 VAC / 1140 kW generator. Can be added into main power distribution.

Hoisting Equipment

Cranes: 1x National OS-105 Hydraulic Pedestal, 100 ft boom. Maximum capacity 25.92 tons at 25 ft.
1x Seaking SK-2300 Series 62 Hydraulic King Post, 100 ft boom. Maximum capacity 37.9 tons at 20 ft.

Well Control System

BOP: 13-5/8" Shaffer annular preventer, 5,000 lb. WP, H₂S trim.
13-5/8" Cameron Type "U", 10,000 psi WP double ram preventer, H₂S trim.
13-5/8" Cameron Type "U", 10,000 psi WP single ram preventer, H₂S trim.
BOP Handling: 2x JD Ingersoll Rand Hercu-link BOP handling overhead cranes with a rated capacity of 30 tons each combined capacity of 60 tons.

Additional Data

Accommodations: 52 berths
Helideck: Rated for: Sikorsky S-61