

General Information

Design: Bethlehem JU-250-MS
Builder: Bethlehem Steel, Beaumont, TX
Year Built: 1978
Class: ABS ✕ A1 Self-Elevating Drilling Unit

Principal Dimensions

Hull Length: 166 ft
Hull Breadth: 132 ft
Depth: 16 ft
Legs: 3 x 312 ft x 12 ft
Leg Spacing: 104 ft – Longitudinal
109 ft – Transverse
Cantilever Envelope: Aft reach 31.5 ft x port/stbd 10 ft
Slot: 48 ft x 50 ft

Operating Parameters

Design Water Depth: 250 ft; 25 ft min.
Max Water Depth: 200 ft (Hurricane)
230 ft (Non-Hurricane)
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: 950,000 lbs.
Setback: 500,000 lbs.
Rotary: 750,000 lbs.
Max Cantilever Load: 950,000 lbs.

Vessel

Storage Capacities

Fuel: 1,871 bbls
Drill Water: 4,720 bbls
Potable Water: 472 bbls
Liquid Mud: 1,451 bbls
Bulk Mud / Cement: 2,880 ft³ / 3,600 ft³
Sack Material: 3,000 sacks

Power System

Main Power: 4x EMD-12-645-E1
Power System: DC / DC System
Emergency Power: 1x Detroit 16V71

Hoisting Equipment

Cranes: 2x Link Belt 218A with 90 ft boom.
Maximum capacity 35 tons at 20 ft.



Drilling Package

Drilling Equipment

Derrick: Continental Emsco 20RD 147' x 31' x 31' with a static hook load capacity of 950,000 lbs.
Drawworks: Mid Continent UB-1220-EB 2,000 HP
Rotary Table: Continental Emsco T-3750, 37.5".
Top Drive: National – PS 500/500, 500 ton.
Crown Block: Continental Emsco RA60-7, 750 ton
Traveling Block: National 500 Series, 500 ton
Mud Pumps: 2x Gardner Denver PZ-11 triplex
Shale Shakers: 3x Brandt King Cobra Plus
1x Brandt King Cobra 16/3 Mud Conditioner
1x Brandt DG-10 Degasser

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 HercuLink BOP handling overhead cranes with a rated capacity of 25 tons each, combined capacity of 50 tons.

Additional Data

Accommodations: 58 berths
Helideck: Rated for: Sikorsky S-61