

General Information

Design:	Bethlehem Steel Corporation
Builder:	Bethlehem Steel Corporation
Year Built:	1977 & Upgrade 2008
Class:	ABS ✕ A1 Self-Elevating Drilling Unit

Principal Dimensions

Hull Length:	176 ft
Hull Breadth:	109 ft
Depth:	16 ft
Legs:	3 x 312 ft x 12 ft diameter
Leg Spacing:	104 ft – Longitudinal 109 ft – Transverse
Cantilever Envelope:	Aft reach 45 ft x port/stbd 10 ft

Operating Parameters

Design Water Depth:	250 ft
Max Water Depth:	200 ft (Hurricane) 250 ft (Non-Hurricane)
Drilling Depth Rating:	15,000 ft
Design Criteria:	IMO, SOLAS & MARPOL

Maximum Allowable Loads

Variable Deck Load:	4,328 kips
Static Hook Load:	800,000 lbs.
Setback:	200,000 lbs.
Rotary:	800,000 lbs.
Max Cantilever Load:	800,000 lbs.

Vessel

Storage Capacities

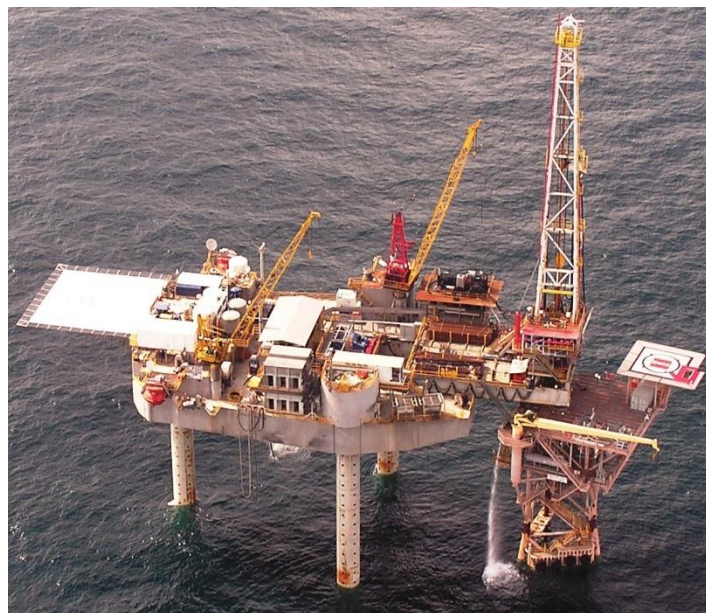
Fuel:	1,795 bbl.
Drill Water:	4,826 bbl.
Potable Water:	436 bbl.
Liquid Mud:	1,150 bbl.
Bulk Mud / Cement:	1,700 ft ³ / 3,900 ft ³
Sack Material:	3,000 sacks

Power System

Power System-Hull (Ship's Service):	2 x EMD 12-567 Engines rated at 2,000 hp each / driving 750-kw x 480-volts AC EMD generators. 1 x 480 / 120-volt distribution panel.
Power System-Rig Package:	4 x Caterpillar C-27 engines rated at 1,100 hp each / driving a 850 kw, 600-volt AC Magnamax generators.
Power System:	4 each 600 volt, 4 bridge SCR with 1 x 480 / 120-volt distribution panel.
Emergency Power:	1 x Lister engine driving a 150 kw AC Generator.

Hoisting Equipment

Cranes:	1 x United Crane, model United Mariner 650H with 100 ft boom, rated at 35 tons at 24 ft. 1 x American Aero, model OM450B with 100 ft boom, rated at 30 tons at 30 ft. radius. 1X EBI, model C60-80 with 80 ft boom, rated at 30,083 lbs. at 13 ft radius.
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Drilling Package

Drilling Equipment

Derrick:	RigCo 146' height x 20' x 12' base, rated at 800,000 lbs. static hook load.
Drawworks:	Mid-Continent 914 (1,500 hp), driven by 2 x GE 752 DC electric motors rated at 1,000 hp each.
Rotary Table:	JN (TFI ZP375), 37-1/2"
Top Drive:	Tesco hydraulically driven, 650 ton
Crown Block:	Oilwell FA760, 583 ton
Traveling Block:	McKisssick, 12 lines, 400 ton.
Mud Pumps:	2 x JN-TFI 1600 HP triplex pumps driven by 2 x GE 752 DC electric motors rated at 1,000 hp each.
Shale Shakers:	3 x Fluid System, series 5000, model BLE-12X linear power.
Mud Cleaner:	1 Fluid System, Series 5000, model BDHC double header unitized with one Fluid System 2 X 10" cones Desander and one Fluid System 16 X 4" cones Desilter.
Degasser:	1 x Burgess, model 1000, 1000 GPM.

Well Control System

BOP:	1 x 13-5/8" Shaffer Spherical, annular preventer, 5,000 lb. WP, H2S trim. 1 x 13-5/8" Cameron Type "U", 10,000 psi WP double ram preventer, H2S trim. 1 x 13-5/8" Cameron Type "U", 10,000 psi WP single ram preventer, H2S trim.
BOP Handling:	2 x BOP handling overhead, J.D. Neuhaus, Model EH25T, rated at 25 tons each.

Additional Data

Accommodations:	54 berths (46 permanent + 8 temporaries)
Helideck:	Rated for: Sikorsky S-61

rev.1 Apr 26, 2022