

Freyja

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High Specification Jackup

General Description

Design / Generation	Friede & Goldman JU3000N
Constructing Shipyard.....	Jurong Shipyard, Singapore
Year Entered Service / Significant Upgrades	2014
Classification	ABS +A1, Self-Elevating Drilling Unit
Flag	Liberia
Overall Dimensions	231 ft long x 277 ft wide x 31 ft deep
Legs	(3) 554.7 ft. long, Triangular
Drafts	19 ft transit
Accommodation	150 persons
Displacement.....	26,109.65 MT
Variable Deck	5,391 MT operating

Operating Water Depth..... 400 ft. designed / 400 ft. outfitted

Maximum Drilling Depth..... 35,000 ft

Drilling Equipment

Derrick	NOV / SSBN Derrick 210 ft. high, with 40 ft. x 45 ft. base
Hookload Capacity	2,500,000 lbs gross nominal capacity
Cantilever/ Drill floor	70 / 30 ft (x-y skidding system)
Drawworks	NOV SSGD-1250 AC motors suitable for 2" drill line
Rotary Table	NOV RST-495 / 49-1/2" table opening Hydraulic drive, rated 1,000st
Top Drive	NOV TDX-1000, 1,000st static/dynamic load rating 1,150hp Electric AC motor. Max speed 250rpm, Max continuous torque 91,500 ft.-lbs. Max MU torque 125,000 ft-lbs, Max BU torque 150,000 ft-lbs
Tubular Handling	(1) NOV Vertical column Racker PRS-6is
Diverters	(2) NOV ST160 Iron Roughneck
Mud Pumps	Vetco KFDJ 1000, 49.5" diverter rated to 1,000psi
HP Mud System	(3) NOV 14-P-220 triplex pumps, each driven by 2,200 hp electric motor 7,500 psi rated
Solids Control	Rated for 7,500 psi
	(5) NOV Brandt VSM300 shale shakers

Power & Machinery

Main Power	(5) Caterpillar C-175 diesel engines rated 2,588hp at 1,200rpm each with AC generator rated to 2,287kW
Emergency Power	(1) Caterpillar 3512-B diesel engine rated at 1,909hp at 1,800rpm with AC generator rated to 1,250kW

Storage Capacities

Fuel Oil.....	5,182 bbls
Liquid Mud	7,747 bbls
Base Oil	2,214 bbls
Brine	2,214 bbls
Drill Water	11,252 bbls
Potable Water	4,082 bbls
Bulk Material	(mud + cement) 18,000 cu-ft
Sack Storage.....	5,000 sacks

BOP & Well Control Equipment

BOP Rams	(2) Cameron TL BOP double rams 18-3/4" 15,000 psi BOP
BOP Annular	(1) Shaffer 18-3/4" 10,000 psi annular preventer
BOP Handling	(1) NOV 150 MT SWL BOP overhead crane with (2) lift points, rated 165 st (2) BOP secondary tensioning unit rated 150 st

Mooring Equipment

Mooring Winches	(4) PH Hydraulic electric winches with a capacity of 2,460 ft of 2" wire rope. 44 st rated pull and holding capacity
Anchor Lines	(4) 2,460ft x 2", 6x36 IWRC RRL EIPS
Anchors	(4) Delta Flipper rated 8.27 st each

Cranes

Cranes	(3) NOV OC3000LCE electric / hydraulic, 75mt capacity (1) PC1891KCE knuckle boom crane, 5.5mt capacity
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Special Features & Other Information

CTU	(1) PH Hydraulic primary tensioning unit rated 300 st tension capacity (1) Icon T300A CTU 330 st tension capacity
RPD System	Yes
Helideck	Rated for Sikorsky S61N & S92 helicopters. Comply with CAP 437 8 th Edition
Racking Capacity	Pipe capacity @ 102 ft DP finger board, 266 stands 6-5/8" DP. Casing Capacity @ 102 ft Casing finger board, 24 stands 13-3/8", or 72 stands 9-5/8", 7-5/8", 7"

