

Noble Patriot



Semisubmersible

General description

The Noble Patriot is a robust harsh environment semisubmersible designed for reliable drilling and well abandonment operations in midwater depths. Its upgraded hull, enhanced stability, and increased fluid storage capacity support efficient well construction, intervention, and decommissioning activities. The Patriot's moored station keeping system and weather resilient design provide dependable performance in challenging offshore conditions.

General specifications

Design	Bingo 3000
Year built/upgraded	2014
Year entered service	1983
Builder	Chantiers du Nord de la Meditterian, upgraded Keppel Fels Singapore
Flag	Marshall Islands
Classification	ABS, Column Stabilized Drilling Unit, A1, CRC(I), IHM
MODU Code	1979
Overall Length	246 ft long x 207 ft wide
Draft	77 ft (drilling), 32.8 ft (transit)
Airgap	41 ft
Displacement	32,947t
Variable deck load	3,500 t (drilling) 3,500 t (transit)
Transit speed	4 knots
Water depth	1,476 ft (outfitted)
Drilling depth	20,000 ft
Accommodation	120
Hook load	1 MM lbs
Moonpool	72 ft x 20.5 ft

Applications

NORMS	Ops Performance Tool	OnTheGo
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These specifications are intended for general reference purposes only. Actual equipment may vary upon the contract situation and customer needs.

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Storage capacity

Liquid mud	4,288 bbls
Base oil	2,072 bbls
Brine	2,227 bbls
Bulk cement	10,000 cuft
Bulk bentonite	6,710 cuft
Bulk barite	cuft
Sacks	270 t
Fuel	13,020 bbls
Drill water	6,711 bbls
Potable water	2,861 bbls

Drilling equipment

Derrick	Unite D'ingen 160, 185 ft x 40ft x 40ft base, hook load capacity of 1,000kips
Drawworks	1 x Oilwell E-3000, 2,400hp
Motion Compensator	1 x NOV Shaffer 25-600, 600 kips capacity with 25ft stroke
Rotary Table	1 x Oilwell A-495, 49-1/2", 650 st
Top Drive	1x Varco TDS-8SA, 650 st
Tubular Handling	2 x Varco HT100
Fingerboard capacity	DP - 29,1760ft (216 Stds) 5-1/2"OD DC - 945ft (7 Stds) of 8" OD DC - 945ft (7 Stds) of 9" OD
Mud Pumps	3 x National 12-P-160, 1,600 hp, 5,000 psi
Solids Control System	3 x NOV Multisizers
Iron Roughneck	1 x Varco AR3200 Iron Roughneck

Sub sea equipment

Diverter	1 x Regan KFDS-3 20" 500 psi diverter with 14" flow line
Dual BOP	No
BOP stack	1 x Hydril 18 3/4" 15k psi five-ram preventer
LMRP	2 x Cameron DL 18 3/4" 10k psi annular preventers, APIS53 compliant
C&K manifold	15K
Marine riser	NOV DTI, 50ft long per joint
Tensioners	12 x 80 kips Shaffer wireline riser tensioners. Total capacity 960 kips with 50 ft. of wire travel
XT Carts	1 x 60 t aux cart

Noble Patriot

Noble Patriot Rig Crew

Power generation

Closed Bus	No
Main power	4 x 2,000 kW EMD
Electrical power	
Emergency power	1 x 520 kW Caterpillar 3412D

Station keeping / Propulsion system

Mooring system	8 point (12 point upgradable)
Mooring winches	
Thrusters	N/A
DP system	N/A
Position reference systems	N/A

Cranes

Main cranes	1 x 50 t Liebherr Bos 50/1500 with 142ft boom 1 x 68 t Seatrax s9028 with 140ft boom
Subsea cranes	N/A
X-Mas Tree / BOP	N/A
Other	1 x PKM700T Knuckle Boom Crane 1 x 240 t Norman / Macgregor

Other Systems

MPD	No
Burner booms	No
Dual Well Centers	No
Automation	
Red Zone Management	No
On the Go	Yes
H56 Enabled	No
Data Infrastructure	Real time monitoring
Other	Experience using a bore selector system incorporating SLIC interface, well-control package and dual/triple-bore selection capability

Real Time Data Provision

Drilling	VMS

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Unique Capabilities and Enhancements

250 t Coiled Tubing Lifting Frame	Permanent installation enabling safe wireline and coil tubing operations. Weather window: 2 m heave, 40 knot winds. Supports well intervention, completion, and abandonment activities.
Riserless Subsea Lubricator / Bore Selector System	Rig is fully compatible and upgraded to provide efficient riserless intervention and abandonment operations. Can work in tandem with the rig's BOP system, enough space to accommodate both systems simultaneously. Reduces rig time during multi well campaigns.
15k 5 Ram / 2 Annular BOP with Tethering Capability	Includes 4 x 40T tethering pad eyes. Supports enhanced well control and stability in challenging seabed conditions. Suitable for drilling, completion, and abandonment operations.
60T Auxiliary Tree / EDP / LRP Cart	Optimized for running subsea trees, EDPs, LRP, and WOCS baskets. Removable plate for guide base and conductor operations. Integrated with 2 x 75T overhead cranes for efficient handling.
Enhanced Knuckle Boom Crane Capability	Operates in 2° pitch, 5° roll, 60 knot winds. Handles pipe sizes from 3½" to 20" casing. Improves deck operations in harsh environments.
Fuel Efficiency	Average consumption: 5-6 MT/day. Engine management system reduces emissions and operating cost. Supports sustainability goals and lower carbon intensity
Personnel Cart in Moonpool	Fully enclosed, hydraulically skidded. Enables safe overside work without additional vessel support. Useful for both drilling support and abandonment tasks.



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