

Noble Globetrotter 1



Drillship

General description

The Noble Globetrotter I (NGT1) is a DP3 dynamically positioned vessel specifically configured to deliver safe, efficient, and cost-effective subsea well intervention in water depths of up to 10,000 ft. Purpose-modified for well intervention operations, the NGT1 combines the capabilities of a modern deepwater intervention vessel with the flexibility required to support a wide range of subsea well activities.

General specifications

Design	Globetrotter Class
Year built/upgraded	2011
Year entered service	2011
Builder	STX / Huisman
Flag	Liberia
Classification	ABS, Drilling Unit, A1, Ice Class 1A, D, AMS, ACCU, DPS-3. RW
MODU Code	1989
Overall Length	620 ft
Draft	39 ft (drilling), 39 ft (transit)
Depth	62 ft
Displacement	56,688 t (operational)
Variable deck load	20,620 t (drilling), 22,436 t (transit)
Transit speed	11 knots
Water depth	10,000 ft
Drilling depth	40,000 ft
Accommodation	180
Hook load	2.0 MM lbs (main), 2.0mm lbs (aux)
Moonpool	89 ft x 37 ft

Cranes

Main cranes	1 x 80 t Huisman PMOC 1 x 80 t Gantry Crane
Subsea cranes	1 x 100 t AHC, PHC Huisman PMOC, 75t at 10,000 ft
X-Mas Tree / BOP	1 x BOP transport skid 1 x 90t Xmas Tree transport skid
Other	1 x 17.5t Pipe Knuckle Boom Crane 2 x 7.5t Pipe Hold Overhead Crane

Applications

NORMS	Real Time Monitoring	Ops Performance Tool	H56
			RigFlow/Rig Pulse

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	16,919 bbls
Base oil	6,830 bbls
Brine	5,975 bbls
Bulk cement	14,832 cuft
Bulk bentonite	9,888 cuft
Bulk barite	9,888 cuft
Sacks	10,000
Fuel	24,674 bbls
Drill water	19,391 bbls
Potable water	6,478 bbls

Drilling equipment

Derrick	Huisman Multi Purpose Tower, 220ft height.
Drawworks	1 x Huisman dual drum (main), AHC, outfitted with splittable blocks. 1 x Huisman single drum (aux), AHC, outfitted with splittable blocks
Motion Compensator	1 x Huisman PHC (main)
Rotary Table	1 x NOV D-605, 60 1/2"
Top Drive	1 x NOV TDS-1000
Tubular Handling	4 x Huisman Column Rackers
Fingerboard capacity	DP - 18,900ft (210 Stds) up to 6 3/8" DP - 14,490ft (161 Stds) up to 5 7/8" 216 Stds 5-1/2" DP, 21 Stds DC
Mud Pumps	4 x NOV 14-P-220, 2,200hp, 7,500 psi
Solids Control System	5 x Brandt LCM-3D/CS
Iron Roughneck	2 x NOV AR-5000

Sub sea equipment

Diverter	1 x NOV Shaffer CSO, 21-1/4 in, 1,000 psi
Dual BOP	No
BOP stack ¹	1 x NOV Shaffer NXT; 6 rams; 18-3/4 in x 15k psi 2 x 22 in LFS-5 shear rams, Vetco DWHD H4, 18-3/4-15K
LMRP	1 x NOV Shaffer Spherical Slimline 18-3/4 in x 10 psi annular
C&K manifold	15K
Marine riser	NOV FT-H 21", 75 ft long per joint, Hands-Free Gooseneck System
Tensioners	8 x Huisman Marine Riser Tensioners, 450 kips/ea; 50 ft stroke
XT Carts	1 x Moonpool Cart

1. Note: The BOP stack, LMRP and Marine Riser system will be in a preserved stated during extended duration well intervention campaigns.

Power generation

Main power	8 x 5,060 kW CAT C-280, 900 rpm
Electrical power	8 x 4,600 kW KATO, 11kV
Emergency power	1 x 910 kW CAT 3508B, Generator 910kW, 480V

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Well Intervention Integrated Services with **HALLIBURTON**

The Integrated Delivery Team provides all services enabling our customers to safely access their subsea wells to perform all operations. Combining the complementary strengths in technology, service, and experience from Noble and Halliburton, Operators are now open to new opportunities that deliver efficiency and enhance the value of their subsea assets without negating safety or well performance. An extensive suite of subsea reservoir performance services that leverage live data, chemistry, technology, and maximize returns from subsea assets.

Well Intervention System

Wireline	2 x Mono-Conductor Cables 5/16" OD
Slickline	2 x Slickline Cables 0.160" or 0.125" OD
Slickline BOP	1 x 10 k Triple
Surface Test Tree	1 x 7 3/8" 10 k
Surface Safety Valve	1 x 10 k
Choke Manifold	1 x 10 k – 2 x Chokes
DAS System	Halliburton
Stimulation Pumps	3,000 hp total
Acid Tanks	4 x 500 bbls (above deck)
MEG Tanks	3 x 100 bbls (above deck)
Methanol Tanks	2 x 25 bbls (above deck)
Chemical Storage Tanks	2 x 120 bbls (above deck)
Filtration Unit	Yes
Coiled Tubing	2 x 6,000 m each reels 2"
Injector Head	1 x 95 k
Bleed Off / Flow Back	7,000 BOPD, 5,000 BWPD, 31 MMScfd
Separator	1 x MAWP 1,440 psi
Heat Exchanger	1 x 4 1/16", 4.5MMBTU/hr
KOP Gas Dryer	1 x MAWP 1,440 psi
EDP/LRP	1 x 10k psi – 10,000 ft WD Trendsetter Halliburton
Production Bore Access	7"
CTLF	1 x 750 t, no manriding capable
Riser	1 x 3,000m 8 5/8" OD
Annulus	1 x 3,000m 4" DP

Real Time Data Provision

Drilling VMS

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Station keeping / Propulsion system

Mooring system	N/A
Mooring winches	N/A
Thrusters	6 x 3,700 kW Rolls Royce, azimuth thrusters with fixed pitch variable speed propellers
DP system	
Position reference systems	3 x DPGS, 2 x Sonardyne Marksman 6G LUSBL (Wideband 2)

Other Systems

MPD	N/A
Burner booms	2 x 100 ft with water spray system
Dual Well Centers	Yes
Automation	Huisman drilling automation system
Red Zone Management	No
On the Go	No

Unique Capabilities and Enhancements

Well Intervention	The vessel is outfitted with a full capacity well intervention system allowing a seamless transition between drilling, P&A and well intervention activities. It features a 750t CTLF with optimized change between CT and WL/SL, no manriding required
Fuel Consumption	The NGT1, due to its size and power configuration consumes up to 40% less fuel compared to similar performance vessels.

