

Noble Gerry de Souza



Drillship

General description

The Noble Gerry de Souza is a drill ship, with dual well centers designed for reliable drilling and well abandonment operations in deepwater and ultra-deepwater depths. Its hull design with ample storage and deck space supports efficient well construction, intervention, and decommissioning activities. The Noble Gerry de Souza has a proven track record of reducing well construction time by a relentless focus on efficiency. It is outfitted with a dual BOP system, dual mud systems and an integrated managed pressure system.

General specification

Design	Samsung 12000 Double Hull
Year built/updated	2011
Year entered service	2011
Builder	Samsung Heavy Industries
Flag	Liberia
Classification	ABS, Drilling Unit, ✕A1, ✕AMS, ✕ACCU, DLA, © ✕DPS-3, CRC, GP, NBL, PMP, SElev, SH-DLA, UWILD
MODU Code	2001
Overall Length	748 ft
Draft	39 ft (operating) / 28 ft (transit)
Depth	62 ft
Displacement	96,000 mt
Variable deck load	20,000 mt
Transit speed	11.5 knots (at transit draft)
Water depth	12,000 ft
Drilling depth	40,000 ft
Accommodation	200
Hook load	2MM lbs (main), 2MM lbs (aux)
Moonpool	84 ft x 41 ft

Applications

NORMS	Real Time Monitoring	Ops Performance Tool	H56	On The Go
			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	3,145 bbls
Base oil	3,145 bbls
Brine	6,290 bbls
Bulk cement	15,962 cuft
Bulk bentonite	3,990 cuft
Bulk barite	11,972 cuft
Sacks	10,000
Fuel	38,997 bbls
Drill water	17,611 bbls
Potable water	8,900 bbls

Drilling equipment

Derrick	200 ft x 60 ft x 80 ft derrick to handle 135 ft tubular with 2 x NOV 2,000 kips compensating crown block
Drawworks	2 x NOV SSGD-5750, 2,000 kips single speed gear driven by 1,150 HP AC motors with 2" line
Motion Compensator	CMC (main, aux), AHC
Rotary Table	1 x Varco BJ RST 75-1/2" hydraulic (main)
Top Drive	TDX-1250, 2,400 kips rotating (main); 1 x Hydralift HPS 1000-2E-ACKT, 2,000 kips (auxiliary)
Tubular Handling	2 x Hydra-Racker System HR-IV (for 3 1/2" to 16" tubulars), 2x Hydratong MPT-200 (for 3 1/2" to 9 3/4" tool-joints)
Fingerboard capacity	252 stds 6 5/8", 110 stds 5 7/8", 105 stds Casing, 35 stds DC
Mud Pumps	5 x NOV 14-P-220, 7,500 psi
Solids Control System	7 x VSM 300 shale shakers
Iron Roughneck	Hydratong MPT TF-975 w/ TE-1190, 147,000 ft-lbs.

Sub sea equipment

Diverter	1 x NOV Shaffer, 21 1/4", 500 psi
Dual BOP	Yes
BOP stack	2 x 6 ram cavities: 2 x NOV-Shaffer NXT 18 3/4" 15k triple; GE Vetco SHD H4 18 3/4" 15k wellhead Connector
LMRP	2 x NOV-Shaffer 18 3/4" 10k annular, GE-Vetco ExF H4 18 3/4" 15k High Angle Release LMRP connector
C&K manifold	15,000 psi
Marine riser	NOV-Shaffer 21" OD, 90 ft joints, Class "H" FT-H Type, 3.5 million lbs, 10,000 ft;
Tensioners	8 x Dual Wireline; 225 kips each with 50 ft stroke
XT Carts	Yes

Noble Gerry de Souza



Noble Gerry de Souza Rig Crew

Power generation

Main power	6 x 7,000 kW, STX-MAN at 720 rpm
Electrical power	6 x 7,000 kW, 11kV, generators
Emergency power	1 x 1,350 kW, 440V, generator

Cranes

Main cranes	4 x 85 t electro-hydraulic knuckle-boom cranes at 18 m (59 ft) radius
Subsea cranes	N/A
X-Mas Tree / BOP	BOP Gantry crane 2x220mt
Other	Riser Gantry Crane 2x25 mt

Other Systems

MPD	Weatherford MPD, 4x Coriolis Sensors on the mud pumps, PMCD capable
Burner booms	Yes
Dual well centers	Yes
Automation	Cyberbase, NOVOS, MMC.
Red Zone Management	No
On the Go	Yes
H56 Enabled	Rig Flow, Rig Pulse
Data Infrastructure	Real time monitoring
Other	Salunda Finger Latch Monitoring System

Real Time Data Provision

Drilling	VMS	MPD
		2026

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Unique Capabilities and Enhancements

Station keeping / Propulsion system

Mooring system	N/A
Mooring winches	N/A
Thrusters	6 x Rolls Royce Aquamaster fixed pitch Azimuthing in water removable thrusters
DP system	Kongsberg K-Pos System for DP-3 Operations
Position reference systems	2 x HPR / 3 x DGPS

