



Constellation.

Lone Star

High-Performance
Standardized Fleet

Lone Star

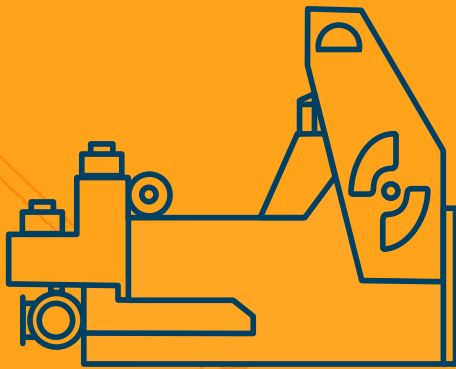
A column-stabilized semi-submersible mobile offshore drilling unit (MODU) with dynamic positioning. It is designed to drill wells down to approximately 7.620m (25.000ft) from the mud line and operate in up to 2.400m (9.000ft) water depths for year-round operations in regions such as Offshore Brazil, Gulf of Mexico, West Africa and Southeast Asia.



HIGHLIGHTS

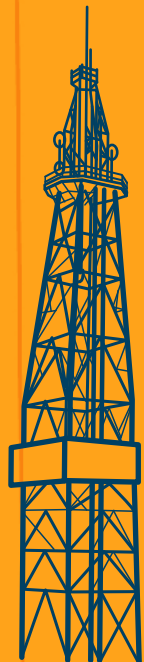
TYPE | SS Dynamic Positioning
FLAG | Marshall Islands
YEAR BUILT/UPGRADED | 2010
DESIGN | Gusto TDS 2000 Plus
DP CLASS | DPS-2+

DPS 2+
DP Class



4x Gardner Denver 3xPZ-11 Triplex
Mud Pumps
7.500psi capacity

2.400m / 9.000ft
Maximum Water Depth



NOV 56m (185ft) Derrick
2.000.000lbs Gross Nominal Capacity



1x NOV 18^{3/4} BOP
15.000psi working pressure

Top Drive
NOV TDS-1000A
907t capacity

7.000t
Maximum Variable Deck Load



MPD
Non-equipped



2x NOV Knuckle Boom Cranes
2 Main Deck – 64t



Constellation.

GENERAL DESCRIPTION

Operation Draft	18.3 m
Survival Draft	13.7 m
Transit Draft – Field Move	13.7 m
Transit Draft – Open Sea	7.5 m
Variable Deck Load Drilling	7,000 ton
Variable Deck Load Transit (Towing/Field)	7,000 ton
Variable Deck Load Survival	6,000 ton
Transit Speed	6.0 knots
Maximum Water Depth	2,400 m
Minimum Water Depth	75 m
Maximum Drilling Depth	7,620 m
Accommodation	146 persons

DRILLING EQUIPMENT

Derrick	NOV 185’
Hookload Capacity	907 ton
Drawworks	NOV SSSGD-1000-6000
Drilling Line in	2 in
Compensator Type	NOV CMC-100-25
Rotary Table	NOV RST605
Rotary Table Opening	60 1/2 in
Rotary Table Static Load Capacity	907 ton
Top Drive	NOV TDS-1000A
Top Drive Capacity	907 ton
Top Drive Max. Cont. / Interm. Torque	62,300 (100,000) ft.lb
Top Drive Working Pressure	5,000 psi
Tubular Handling	NOV PRS-8i Vertical Pipe Racker; NOV Drill Floor Manipulator Arm; NOV AR4500 Automated Roughneck
Mud Pumps Quantity	4
Mud Pump Type	Gardner Denver 3xPZ-11
Mud Pump Working Pressure	7,500 psi
Mud Pump Power	2,200 hp
Shale Shakers	4 (Four) Hyperpool 4P LH WF 460/480V
Mud Cleaner & Vacuum Degasser	1 (one) Shale Shaker equipped with scalping deck, Desilter 24x4” and Desander 3x10” and Vacuum Degasser

POWER & MACHINERY

Main Power	8
Generators Model	NOV Baylor G8557XT-649
Generators Power	3,867 kW
Engines Model	GM-EMD, L20-710G9C-T2
Engines Power (each)	5,400 hp
Power Distribution	ABB

STORAGE CAPACITIES

Fuel Oil	14,988 bbl
Liquid Mud (active)	4,788 bbl
Liquid Mud (reserve)	4,659 bbl
Base Oil Mud	2,329 bbl
Brine	2,300 bbl
Drill Water	12,886 bbl
Potable Water	1,822 bbl
Bulk Material	32,601 cu.ft
Sack Storage	3,200 sacks

BOP AND WELL CONTROL EQUIPMENT

Bop Configuration	7-A2-R5
Bop Size	18 3/4 in
Bop Rams Working Pressure	15,000 psi
Bop Annular Working Pressure	10,000 psi
Bop Handling	TSC Patriot 400-ton BOP Transporter; TSC Patriot 250-ton BOP Overhead Crane
Marine Riser Type	AKER CLIP Riser 75 ft
Marine Riser Id	19 3/8 in
Marine Riser Joints	93
Diverter	GE Hydril, FS21, 21" x 500 psi
Tree Handling	TSC Patriot 200-ton Tree Trolley; TSC Patriot 150 ton Tree Skid
Choke Manifold Working Pressure	15,000 psi
Choke Manifold Size	3.0625 in





STATION KEEPING / PROPULSION

Thrusters	8
Thrusters Type	Wartsila LIPS FPS2500-463 NU Azimuth Thrusters
Thrusters Power	2,590 kW
Dp System	Kongsberg K-POS-32 Dynamic Positioning System
Mooring System	Emergency Mooring System with 2 (two) Oil States electric hydraulic mooring winches, model HMW-300.

CRANES

Port	1 (one) King Post Deck Crane Series 240 Model 200 160' Boom Serial Number: 21565-DA-110101 / Tag Number: NV-G0502
Starboard	1 (one) King Post Deck Crane Series 240 Model 200 140' Boom Serial Number: 21564-DA-110101 / Tag Number: NV-G0501

OTHER INFORMATION & FEATURES

Helideck	D value 26m; Max. weight 13 ton; MPD Ready; Zero Discharge
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