



Constellation.

Atlantic Star

High-Performance
Standardized Fleet

Atlantic Star

A column-stabilized drilling unit, built by UIE-CFEM Consortium, in France. It was originally designed to operate with mooring lines in water depths up to 365m (1.197ft), with drilling capacity of 6.500m (21.320 ft). The structure is composed of five pontoons, which support the hull through a system of piles and bracings, arranged following a triangulated frame.

Atlantic Star has been upgraded in 2007 and 2011 and is suitable for drilling and completion operations with high performance up to 6.500m (21.325ft) with a hook load capacity of 659t (1.452.846lbs). BOP's control systems are prepared for 600m (1.970ft) of water depth operation.

HIGHLIGHTS

TYPE | SS Anchor Moored

FLAG | Marshall Islands

YEAR BUILT/UPGRADED | 1976 / 2007 and 2011

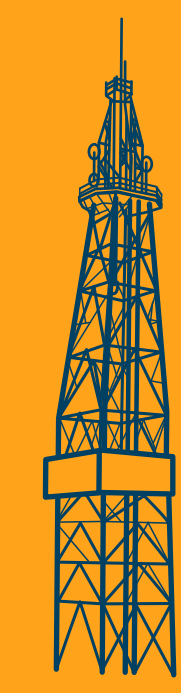
DESIGN | I.F.P. Neptune Pentagone



Pentagon
Unit Design



**600m /
(1.970ft)**
Maximum
Water Depth



**NOV
SBDN 650
Derrick**
1.300.000lbs
Gross Nominal
Capacity

**3x Gardner
Denver PZ-11
1x Gardner
Denver PZ-77
Triplex**

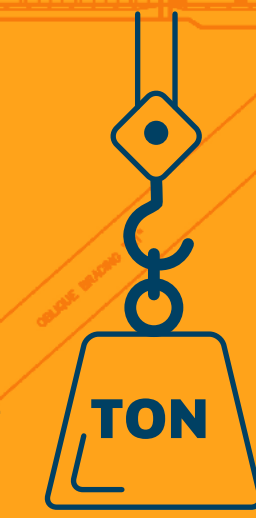
Mud Pumps
5.000psi capacity



**1x NOV
18^{3/4} BOP**
10.000psi
working pressure

Top Drive
NOV PS2-750A
680t capacity

2.523t
Maximum
Variable
Deck Load



MPD
Non-equipped



4xCranes
2 Port side – 55t/12t
2 Starboard side – 35t/12t



GENERAL DESCRIPTION

Operation Draft	22.0 m
Survival Draft	18.0 m
Transit Draft – Field Move	16.0 m
Transit Draft – Open Sea	7.5 m
Variable Deck Load Drilling	2,253 ton
Variable Deck Load Transit (Towing/Field)	1,844 ton
Variable Deck Load Survival	2,076 ton
Transit Speed	3.0 knots
Maximum Water Depth	600 m
Minimum Water Depth	50 m
Maximum Drilling Depth	6,500 m
Accommodation	120 persons

DRILLING EQUIPMENT

Derrick	NOV SBDN 650
Hookload Capacity	589 ton
Drawworks	NOV 1625 UDBE 3000HP
Drilling Line in	1 1/2 in
Compensator Type	NOV DSC-600
Compensator Capacity	600,000 lb
Rotary Table	NOV Continental-Emsco T-4950
Rotary Table Opening	49 1/2 in
Rotary Table Static Load Capacity	650 ton
Top Drive	NOV PS2-750A
Top Drive Capacity	680 ton
Top Drive Max. Cont. / Interm. Torque	50,200 (102,000) ft.lb
Top Drive Working Pressure	7,500 psi
Tubular Handling	Vertical Pipe Handling System (VPHS); Main well equipped with Iron Roughneck (max. output torque 120,000 lbs.ft – 3 1/2” – 9 3/4”)
Mud Pumps Quantity	4
Mud Pump Type	Gardner Denver 3xPZ-11 / 1xPZ-7
Mud Pump Working Pressure	5,000 psi
Mud Pump Power	1,600 hp
Shale Shakers	4 (Four) Derrick FLC-513
Mud Cleaner & Vacuum Degasser	1 (One) Shale shaker equipped with Desilter 20x4” and Desander 3x10” and Vacuum Degasser

POWER & MACHINERY

Main Power	4
Generators Model	NOV Baylor T1055VUT
Generators Power	2,200 kW
Engines Model	MAN B&W 7L27/38
Engines Power (each)	3,140 hp
Emergency Power	Caterpillar C18, 480 kW, 1,800 rpm
Power Distribution	NOV Baylor

STORAGE CAPACITIES

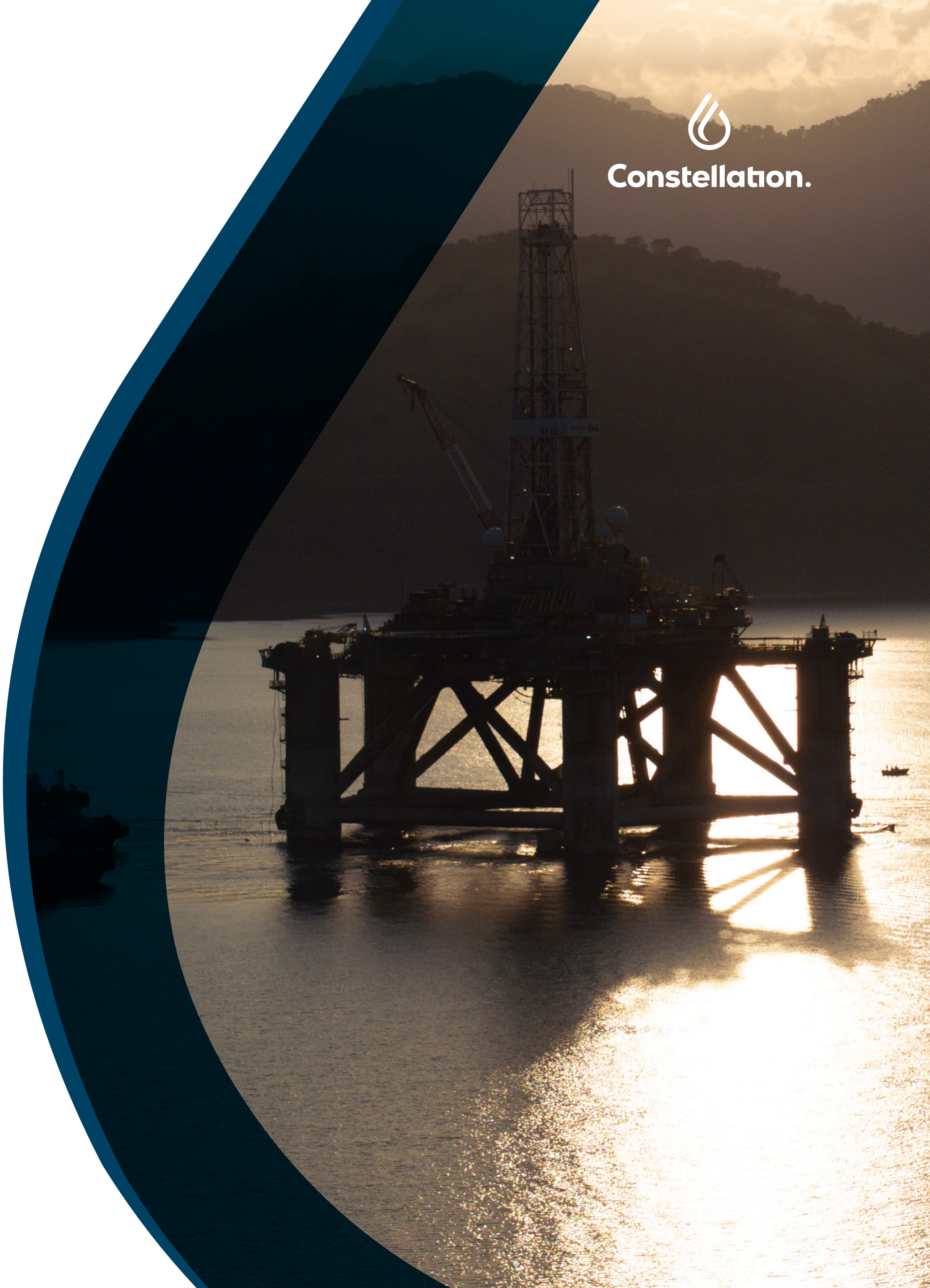
Fuel Oil	5,107 bbl
Liquid Mud (active)	490 bbl
Liquid Mud (reserve)	2,214 bbl
Base Oil Mud	1,918 bbl
Brine	2,553 bbl
Drill Water	5,107 bbl
Potable Water	3,471 bbl
Bulk Material	3,000 cu.ft
Sack Storage	3,200 sacks

BOP AND WELL CONTROL EQUIPMENT

Bop Configuration	6-A2-R4
Bop Size	18 3/4 in
Bop Rams Working Pressure	10,000 psi
Bop Annular Working Pressure	5,000 psi
Bop Handling	ATMO 100-ton Overhead Crane
Marine Riser Type	NOV FT MARINE 50 ft
Marine Riser Id	19 3/4 in
Marine Riser Joints	43
Diverter	Regan KFDS-3, Nom. 24" x 500 psi
Tree Handling	ATMO 100-ton Overhead Crane
Choke Manifold Working Pressure	10000 psi
Choke Manifold Size	3.0625 in



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MOORING SYSTEM

Mooring System	Ten (10) Brissonneau Lotz Marine mooring winches, rated pull of 125 ton-force, with 2 3/4" wire ropes, ten CFEM fairleads and ten 15-ton Stevpris anchors.
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CRANES

Port	1 (one) kingpost crane Seatrax S9022 55 ton @ 37 m 1 (one) pedestal crane Haulotte H-75 12 ton @ 27 m
Starboard	1 (one) pedestal crane Haulotte H-450 35 ton @ 37.5 m 1 (one) pedestal crane Haulotte H-75 12 ton @ 27 m

OTHER INFORMATION & FEATURES

Helideck	D value 25 m; Max. Weight 12.8 ton
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