



# VALARIS 8501

(ENSCO 8501)

EnSCO 8500 Series Semi Submersible • Year in Service: 2009



## DESIGN

Design:  
EnSCO 8500 Series

Flag State:  
Liberian

Shipyards Delivery  
2009

Drilling Systems:  
NOV

Shipyards:  
KFELS Singapore

Subsea Systems:  
Hydril

Classification Agency:  
ABS

## PROPULSION & POWER

DP Class:  
DP-2

Emergency Power:  
1,476 hp

Mooring Winches:  
(4) Broehl 460,000 lbs

Thrusters:  
(8) Flowserve-Pleuger Azimuthing,  
3,500 hp each

Main Engines:  
(7) EMD 20-710-G7C 25,742 kW total

## DRILLING EQUIPMENT

Derrick:  
2,000,000 lbs

Rotary Table:  
(1) 60 1/2"

Top Drives  
(1) NOV TDS-1000A

Motion Compensator:  
CMC H-1000-25

Drawworks:  
(1) NOV ADS-30Q 6,000 hp

Iron Roughnecks:  
(1) NOV ST-120

## GENERAL SPECIFICATIONS

Pontoons  
310L x 56W x 24ft

Columns  
(4) columns, 45ft x 50ft

Main Deck elevation  
above baseline  
97ft

Rated Max. Water Depth  
8,500ft

Moonpool Opening  
30ft X 120ft

Max. Drilling Depth  
35,000ft

Variable Deck Load  
8,000 T

Heliport  
Sikorsky S61 or S92

Accommodations  
150 persons

Changes / modifications to the above listed equipment could occur.

Maximum Water Depth denotes the designed rating, pending site specific assessment.

Should you have specific questions, please contact the Marketing Department at: [marketing@valaris.com](mailto:marketing@valaris.com)



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## ■ CAPACITIES

Diesel Fuel Oil  
16,700 bbl

Drillwater  
14,000 bbl

Liquid Mud  
16,250 bbl

Bulk Storage  
Barite: 382 m<sup>3</sup>  
Cement: 382 m<sup>3</sup>

Fresh Water  
1,570 bbl

Base Oil  
1,704 bbl

Brine/Completion Fluid  
2,130 bbl

## ■ WELL CONTROL & MUD SYSTEM

Mud Pumps  
(4) Lewco W-2215, 2200 hp each

Mud System Pressure  
7,500 psi

Shale Shakers  
(6) Derrick FLC-514, 900 gpm each

BOP Stack #1  
18 3/4" 15,000 psi (6) ram stack with  
(2) 18 3/4" 10,000 psi annulars

Control System  
Hydril Mux

Diverter  
60" 500 psi

Choke Manifold  
15,000 psi with 2 adjustable chokes  
and 2 power chokes

## ■ RISER SYSTEMS

Riser  
21" OD Drill Quip flanged riser,  
75ft each

Riser Tensioning  
(10) NOV Hydralift, 250,000 lbs each

Riser Length  
8500ft

Riser Handling  
(1) NOV Riser Gantry Crane 2x27-75

## ■ HANDLING SYSTEMS

Cranes  
(2) Seatrax 160ft boom, 97 T

Tubular Handling  
Catwalk, HTV, bridge racker, racking  
guide arm, and utilizes GC for  
deck handling

BOP Handling  
(1) NOV BOP Carrier rated 400 MT for  
BOP & 750 MT for Riser Hangoff

Xmas Tree Handling  
(1) NOV Xmas Tree carrier 150 MT

Additional  
(1) NOV Xmas Tree Skid

## ■ LIFESAVING SYSTEMS

Lifeboats  
(4) 75 person

Rescue Boat  
(1) 160 hp

REVISED 7/2019

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