VALARIS

VALARIS DS-5

(ENSCO DS-5)

Samsung A1E DPS 3 Drillship • Year in Service: 2011

DESIGN

Design
Samsung 96k Drillship

Shipyard Delivery
Samsung

Shipyard
Samsung Heavy Industries, Geoje, South Korea

Classification Agency
ABS

Flag State
Marshall Islands

Drilling Systems
NOV

Subsea Systems
NOV

PROPULSION & POWER

DP Class
DPS-3

Main Engines
(6) STX MAN 8,000 kW

Emergency Power
1,700 kW

Thrusters
(6) Rolls-Royce azimuthing type, 5.5 MW each

DRILLING EQUIPMENT

Derrick
NOV Dynamic Derrick 2,000,000 lbs

Top Drives
Main: NOV TDX 1250, 1,250 T
Aux: Not outfitted

Drawworks
Main: NOV Dreco SSGD- 1000 st, 5,750 hp
Aux: Not outfitted

Rotary Table
Main: 60½″, 1,000 st
Aux: 60½″, 1,000 st

Motion Compensator
Main: Main: 1,000 st CMC-1000-25

Iron Roughnecks
(2) 2 3/8″ - 20″

GENERAL SPECIFICATIONS

Length Overall
751.3ft

Breadth
137.8ft

Depth at Side
62.3ft

Draft (Max. Operating)
96,000 MT

Displacement
211,643Klb

Rated Max. Water Depth
10,000ft

Moonpool, Opening at Baseline
41ft x 84ft

Max. Drilling Depth
40,000ft

Variable Deck Load
20,000 MT

Heliport
Boeing BV234LR Chinook tandem rotor helicopters

Accommodations
200 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***

VALARIS DS-5

(ENSCO DS-5)

CAPACITIES

Diesel Fuel Oil
34,500 bbl

Drillwater
16,300 bbl

Liquid Mud
16,400 bbl

Bulk Storage
Barite: 452 m^3
Cement: 532 m^3

Fresh Water
8,100 bbl

Base Oil
2,800 bbl

Brine/Completion Fluid
7,400 bbl

WELL CONTROL & MUD SYSTEM

Mud Pumps
(4) 14-P-220, 2,200 hp

Mud System Pressure
7,500 psi

Shale Shakers
(6) Brandt VSM-300

BOP Stack #1
(2) 10,000 psi Annular
(6) ram 15,000 psi BOP

BOP Stack #2
Single Stack

Control System
NOV 5th gen multiplex

Diverter
59″ 500 psi

Choke Manifold
15,000 psi upstream, 10,000 psi downstream, H_2S rated, (2) auto, (2) manual, (1) by-pass choke design

RISER SYSTEMS

Riser
GE Vetco MR-6H SE 3.5m lbs, 21 ¼″ OD, 75 ft joints

Riser Tensioning
(16) 225,000 lbs each, 3,600,000 lbs total

Riser Length
9,900 ft

Riser Handling
(1) riser gantry crane (1) 45 MT riser catwalk machine with tailing arm

HANDLING SYSTEMS

Cranes
(4) 85 MT Knuckle Boom Cranes

Tubular Handling
(2) Hydrarackers, 3½″ to 20″

BOP Handling
(1) 440 MT Hydralift Overhead Crane with (1) Hydralift Moon pool Cart rated 480 MT

Xmas Tree Handling
(2) 120 MT Xmas tree skids

Additional
(1) 120 MT Xmas tree carrier

LIFESAVING SYSTEMS

Lifeboats
(6) 70 persons

Rescue Boat
(1) davit launched

REVISED 7/2019

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***