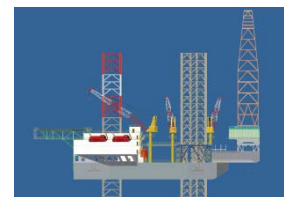




Rig Under Construction
Phone:
Fax:
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EnSCO 141(preliminary specification)

GENERAL INFORMATION

Flag: Liberia
Owner: ENSCO
Previous Name(s): n/a – New Build
Year Built: 2016 (Under Construction)
Builder: Lamprell Group, Dubai UAE
Upgrade: N/A – New Build
Design: Cameron Letourneau Super 116E
Classification: ABS A-1 Self-Elevating Drilling Unit 2014

MAIN DIMENSIONS

Length: 243 ft
Breadth: 206 ft
Depth: 26 ft
Legs: 3 x 444 ft Square Lattice
Leg Spacing: Longitud. leg center 129 ft, transv. leg center 142 ft
Cantilever: Maximum 70 ft from stern to rotary center. 50 ft x 30 ft live drilling area aft of hull
Spud Cans: 46 ft diameter x 23.8 ft high (1,556 sq.ft)
Deck Area: Cantilever sq.ft. main deck sq.ft.

DRAFT AND DISPLACEMENT

Transit Draft: 15.5 ft
Transit Displacement: 27,520 kips

MACHINERY

Main Power: 5 x Cat 3516 CHD engine x 1,596 KW output
Power Distribution: A/C System - 12 x VFD units
Emergency Power: 1 x Cat 3512-C engine x 1,360 KW

OPERATING PARAMETERS

Water Depth: 340ft outfitted, upgradeable to 400 ft
Maximum Drilling Depth: 30,000 ft
Leg length below hull: 382 ft
Air Gap: 110 ft
Transit Speed: TBD (4.0kt. historical average for ENSCO 102)
Survival Conditions: At 60 ft Air Gap: Wind: 100 knots; Waves: 45 ft; Period 10.5 sec
Criteria Design: IMO MODU Code 2009

DRILLING EQUIPMENT

Derrick: LCM Woolslayer 170 ft x 35 ft x 32 ft x 1,500,000 lbs max hook load capacity, max lines 14
Drawworks: NOV ADS-10T x 3,450 hp
Rotary: NOV D-495 x 49 1/2" 750 tons, 2 Speed 1,150 hp AC Motor
Top Drive: NOV TDS-8SA x 750 tons Hoisting, 1,150 Hp AC Motor), max continuous torque 62.5k ft-lbs @ 94 rpm.
Travelling: NOV Dresco 768TB-750-8C x 750 tons, 7 x 68 sheaves
Handling: Hydraulic Catheads – 2 ea. 34 kips pull, Iron Roughneck ST-120 M/U 100 kft-lbs, B/O 120 kft-lbs
Cementing: TBA – Client Choice Diesel Unit
Mud Pumps: 3 x NOV 14-P-220 x 2,200hp AC Dual Cross Triplex pumps, with 2 x GE GEB22D AC motors; 7,500psi mud system
Drillpipe: 20,000ft x 5 1/2" DP, 5,000ft x 4" DP, 30 x 5 1/2" HWDP, 15 x 4" HWDP
Drillcollars: 15 x 4 3/4", 15 x 6 1/2", 15 x 8 1/4" and 6 x 9 1/2"
Casing Stabbing Basket: 1 ea. hydraulic type
Substructure Cherry Picker Baskets: 2 ea. hydraulic type
Slickline Unit: Mathey Surveyor II, with 25,000ft wire

HOISTING EQUIPMENT

Crane: 1 x 140 ft boom x 75 sT at 35 ft radius (Diesel), 2 x 120 ft boom x 51 sT at 30 ft radius (Electric)

CAPACITIES

Variable Deck Load: 6,639kips (max. hull subject to environmental conditions).
Cantilever Load: 2,650 kips (centerline 70ft aft of transom)
Total Drilling Load: 6,639 kips (Variable load capacity)
Fingerboard: 308 stands 5-1/2" DP; 16 stands 9-1/2" DCs
Liquid Mud: 5,235 bbls active total. 349 bbls mud processing. 2 x trip tanks x Total 85 bbls.
Bulk Mud/Cement: 14,000 cu.ft combined total; 4 x 1,750 cu.ft Barite/Bentonite Silos, 4 x 1,750cu.ft Cement Silos
Sacks: 775 sq.ft sacks
Drill Water: 16,536 bbls
Potable Water: 2,648 bbls
Brine Storage: 981 bbls
Base Oil Capacity: 981 bbls
Fuel Oil: 3,928 bbls
Watermaker: 2 x 65 t/day Dual Reverse Osmosis system

WELL CONTROL SYSTEMS

BOP: 1 ea. NOV Shaffer 18-3/4" x 10,000psi Annular, 2 ea. NOV Shaffer 18-3/4" x 15,000psi Double NXT - 4 Rams, 1 ea. Drilling Mud Cross 18-3/4" x 15,000 psi
BOP Handling: 2 x 100T hoists.
Control System: NOV Koomey, 3,000 psi working pressure, Fluid Reservoir Capacity and Total Accumulator Capacity per API 16D 2nd Ed. and Std. 53 + 30%
Diverter: Vetco KFDJ x 49-1/2" RST, 16" outlet OD
TV System: CCTV System x 11 Cameras, 3 Monitors
Choke and Kill: Choke Side 4-1/16" 15,000 psi / 4-1/16" 10,000 psi. Kill Side 3-1/16" 15,000psi x 4-1/16" 15,000 psi. Two auto chokes, one manual choke.

MOORING

Winches: Foundations for winches provided, none outfitted
Wire: None
Anchors: Anchor racks provided, none outfitted

HELIDECK

S-92, S-61, EH-101 type helicopters. CAP 437 compliant. MTOW 14.6t. D value 22.8m.

JACKING AND SKIDDING SYSTEM

Letourneau rack & pinion. 20 per leg = 60 total. Max jacking load 22,230 kips

ACCOMMODATION

140 berths; 10 x single bed with private bathroom. Combination of 2 and 4 bed rooms with private / semi-private bathroom.

ADDITIONAL DATA

5 x NOV Brandt VSM 300 Shale Shakers; 2 x NOV Brandt DG-10 Degasser; Mud Cleaner with 24 x 4" desilter and 3 x 12" desander cones

CANTILEVER CAPACITY (kips)

Max Combined Load with max setback at 70ft reach: 2,650 kips
Starboard Transverse: -15ft/1,414kip; -9ft/1,882kip; -3ft/2,548kip
Port Transverse: 3ft/2,650kip; 9.7ft/2,271kip; 15ft/1,513kip