**ENSOCO DS-9**

**GENERAL INFORMATION**
- Flag: Marshall Islands
- Previous Name(s): N/A
- Year Built: 2015
- Builder: Samsung
- Upgrade: N/A
- Design: SAMSUNG 78k Drillship
- Classification: ABS XA1(E) Drillship, XAMS, XACCU, XDPS-3, NBLES, SH-DLA, ENVIRO-OS+, HELIDK(SFR)

**MAIN DIMENSIONS**
- Length: 754.5 ft
- Breadth: 124.6 ft
- Depth: 60.7 ft
- Deck Area: 3,600 m²
- Moon Pool: 35 ft x 81 ft

**DRAFT AND DISPLACEMENT**
- Drilling Draft: 11 m
- Displacement: 78,463 Mt (operating)

**MACHINERY**
- Main Power: 6 x Wartsila 16V32/40 x 7,290 kW diesel main engines coupled with ABB x 7,000 kW AC generators x 2 sets in port, and starboard engine rooms.
- Power Distribution: ABB.
- Emergency Power: 1 x STX-Cummins x 1,700 Hp diesel engine driving an ABB AC generator x 1,700 kW x 1,800rpm.

**OPERATING PARAMETERS**
- Water Depth: 12,000 ft (Maximum)
- Drilling Depth: 40,000 ft (Maximum)
- Transit Speed: 13 kt
- Survival Conditions: 47 ft waves; 100 ft

**DRILLING EQUIPMENT**
- Derrick: NOV Dynamic Derrick x 80 ft x 60 ft; 210 ft clear height x static hook load 2,500,000 lb single hook, 3,500,000 lb simultaneously.
- Drawworks: 2 x NOV Dreco Drawworks. Main Well AHD-1250-9000 with regenerative braking x 6 General Electric GEB22A x 1,500 HP AC Motors Aux Well: AHD-1000-6000 with regenerative braking x 6 General Electrical GEB22A x 1,150 HP AC Motors.
- Rotary: 2 x NOV Rotary tables. Main well RST-75½” hydraulically driven x1,133 Mt capacity. Aux well RST-60½” x 907 Mt capacity, no hydraulic drive feature (auxiliary well center is outfitted with mouse hole barrier).
- Top Drive: 2 x NOV TDX-1250.
- Mud Pumps: 5 x NOV triplex mud pumps, N14-P-220 x 2,200 HP belt driven by x 2 General Electric AC motors (upgradable to 6 mud pumps).
- Handling: 2 x NOV Hydralift “Hydraracker IV” Column Rackers: 2 x NOV ARN 200 Hydratong “Iron Roughnecks”; 1 x NOV Torquemaster 8045 bucking machine.
- Cementing: BH1 Seahawke AC VFD 2,300 HP Cementing Unit
- Drill Pipe: 5”-10,260’; 5.875”-16,020’; 6.25’-40#-18,315’; 6.25’-45#-6,075’; 6.25’-LS-10,590’. (Maximum)

**HOISTING EQUIPMENT**
- Crannage: 2 x NOV Hydralift Knuckle Boom Cranes, Rated capacity 85 Mt @59 ft & 17 Mt @137 ft. 1 x NOV Lattice Boom Crane, rated capacity 85 Mt @ 26 ft and 7 Mt @ 161 ft. 1 x NOV Hydralift Active Heave Compensated Knuckle Boom Crane, rated capacity 165 Mt and capable of running 100 Mt loads to 12,000 ft. 1 x Pipe Handling Knuckle Boom Crane with gripper yoke for 2 7/8” to 20”; 2 x Subsea Gantry Cranes x 75 Mt; 3 x Riser Gantry Cranes.

**CAPACITIES**
- Variable Deck Load: 22,000 Mt, 17,000 Mt during transit.
- Tubulars in Pipe Rack: 1 x NOV Hydralift Tubular Catwalk Machine for tubular up to 30” diameter, 50 ft long, and 10 Mt.
- Total Drilling Load: 16,970 bbl
- Liquid Mud: 26,800 ft³
- Bulk Mud: Barite-16,000 ft³; Bentonite-8,000 ft³
- Drill water: 15,090 bbl
- Potable Water: 7,540 bbl
- Brine Storage: 7,540 bbl
- Base Oil Capacity: 7,540 bbl
- Fuel: 44,020 bbl
- Sacks: 10,000 sacks

**WELL CONTROL SYSTEMS**
- BOP: 2 x NOV Shaffer BOP Stack x18½” x 15,000 psi working pressure x 7 Ram cavities; 2 x annulars x 12,000 ft water depth.
- BOP Handling: 1 x NOV BOP Gantry Crane, rated 2 x 240 m; 1 x NOV BOP Trolley x rated 540 Mt.
- Control System: 1 x Shaffer 6th generation Multiplex BOP Control system x 12,000 ft water depth, complete with BOP control unit satisfying API 16D Specification.
- Choke and Kill: 1 x Anson x 3½” x 15,000 psig, 10,000 psi downstream wp Manifold, with two manual chokes, two remote operated chokes, and glycol injection system, rated for H₂S sour service. Split buffer chamber, Dual port/starboard high pressure emergency overboard lines.
- Diverter: 75½” x NOV Shaffer CSO x 500 psi.
- MPD: RCD – Elite/Weatherford, 2000 psi static 1000 psi dynamic, 3.5 M lbs riser connector (flanged); DSIT – AF Global, 2000 psig, 3.5 M lbs riser connector (flanged); Flow Spool – AF Global, 2000 psig, 3.5 M lbs riser connector (flanged)

**ACCOMMODATION**
- 200 persons

**ADDITIONAL DATA**
- Thrusters: 6 x Rolls Royce 5.5 MW (33 MW total) underwater dismountable fully azimuthing thrusters with fixed blade propellers and nozzles (All thrusters are fully retractable).
- Watermaker: 3 x Alfa Laval; 2 x RO
- Others: CCTV System.