



ENSCO DS-6

GENERAL INFORMATION

Flag: Republic of Marshall Islands
Previous Name(s): Pride Deep Ocean Molokai
Year Built: 2012
Builder: Samsung Heavy Industries, Geoje, S. Korea
Upgrade: N/A
Design: SHI Design
Classification: ABS +A1 (E) Drilling Unit, +AMS, +ACCU, +CDS, +DPS-3, NBLES, WT-Ready, SH-DLA.

MAIN DIMENSIONS

Length:	747.4 ft	227.8 m
Breadth:	137.8 ft	42 m
Depth:	62.3 ft	19.0 m
Moon Pool:	41 ft x 84 ft	12.50 m x 25.60 m

DRAFT AND DISPLACEMENT

Operating Draft: 39.3 ft 12 m
Displacement: 96,506 mt @ 39.9ft 212,759 Kips

MACHINERY

Main Power: 6 x STX 16V 32/40 x 8,000 kW diesel engines coupled with ABB 8,750kVA AC generators.
Power Distribution: ABB
Emergency Power: 1 x STX CUMMINS, 1900 kW

OPERATING PARAMETERS

Water Depth:	10,000 ft	3048 m
Drilling Depth:	40,000 ft (Max.)	12,192 m
Transit Speed:	10 to 12 knots	
Survival Condition:	11 m	88,067 mt

DRILLING EQUIPMENT

Derrick: Dynamic Derrick NOV x 80 ft x 60 ft x 200 ft clear height x 2,000,000 lbs static hook load.
Drawworks: NOV Dresco SSGD-5750-1000, with regenerative braking x 5 Baylor Company CMC628TUT-119JB motors.
Rotary: NOV rotary table RST x 75 1/2" x 1000T capacity, hydraulic driven.
Top Drive: NOV top drive, TDX-1250 x 1250 mt Hoisting Capacity x 2 Baldor Electric Company IP56 EX II 2 G AC VFD Motors, incl. 115,000 ft.lbs pipe handler.
Mud Pumps: Four NOV triplex mud pumps 14-P-220 2 belt driven Baylor Company, CMC628TUT-120BTLS1 AC motors.
Handling: NOV Vertical Column Rackers, Dual Hydraracker HR-IV System. 2 x NOV Iron roughneck MPT 200 Hydratong, 101,000ft-lb MUT, 147,500ft-lb BOT.
Cementing: Schlumberger CPS-977 Cement Unit, power rated 2300-BHP and pump rated 2000-HHP
Drill Pipe: 6 5/8" x 10,200 ft V150 R3, API 6 5/8" FH;
 6 5/8" x 9,800 ft V150 R3, GPDS65;
 6 5/8" x 8,200 ft 6 5/8" CDS R3, CDS65;
 5 1/2" x 20,100 ft S135 R3, GPDS55;
 6 5/8" x 30 ft x 30 standard R2, GPDS65;
 5 1/2" x 30 ft x 30 standard R2, GPDS55;
HWDP:
 9 1/2" x 9 spiral R2, 7 5/8" Reg.;
 8 1/4" x 24 spiral R2, 6 5/8" Reg.;
Drill Collar:
 6 1/2" x 30 spiral R2, NC46;

HOISTING EQUIPMENT

Craneage: Four NOV Hydralift Knuckle Boom Cranes
 Rated capacity 85 mt @ 18 m, 34mt @ 39m and 17 mt @ 42 m

CAPACITIES

Variable Deck Load:	41,887.8 Kips	19,000 mt
Liquid Mud:	14,340 bbl	2,280 m ³
Bulk Mud:	16,000 ft ³	452 m ³
Bulk Cement:	16,000 ft ³	452 m ³
Drill water:	18,060 bbl	2,872 m ³
Potable Water:	8,930 bbl	1,420 m ³
Brine Storage:	7,870 bbl	1,251 m ³
Base Oil Capacity:	3,140 bbl	499 m ³
Fuel Oil:	37,790 bbl	6,008 m ³
Sacks:	8,000 sacks	

WELL CONTROL SYSTEMS

BOP: One NOV BOP stack 18 3/4" x 15,000Psi WP Guide lineless, six rams cavities, 2 x annular, with GE Vetco SHD-H4 wellhead connector.
BOP Handling: NOV Hydralift Overhead Crane rated 440T.
Control System: One NOV Hydralift Moon pool Cart rated 480T NOV Shaffer Multiplex BOP Control System, complete with BOP control unit satisfying API 16D Specification and with BOP fluid recovery system.
Choke and Kill: 1 x Choke & Kill Manifold 3-1/16" x 15,000Psi, 10,000Psi WP, 2 manual chokes, 2 remote operated chokes & hydraulic valves, with glycol injection system, complete with full instrumentation.
Diverter: 1 x NOV 75 1/2" Nominal Rotary Table Opening, annular packer, 500psi rated WP

HELIDECK

Size:	89.2 ft x 89.2 ft	27.2m x 27.2m Octagonal
Load Capacity:	46,958 lbs	21.3 mt
Design:	BV234 Chinook helicopters.	

ACCOMMODATION

196 persons in single, two, three or four bed cabins.

ADDITIONAL DATA

Thrusters: 6 x 5,500 kW azimuth thrusters, with fixed pitch variable speed propellers.