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ENSCO DS-7

GENERAL INFORMATION

Flag Marshall Islands
Previous Name(s) Pride Deep Ocean Marquesas
Year Built 2013
Builder Samsung
Upgrade N/A
Design SAMSUNG ABS A1 E
Classification ABS

MAIN DIMENSIONS

Length 750.0 ft
Breadth 137.8 ft
Depth 62.3 ft
Spud Cans N/A
Deck Area [Deck Area]

DRAFT AND DISPLACEMENT

Transit Draft 27.9 ft
Operating Displacement: 96,000 mT @ 39.3 ft draft

MACHINERY

Main Power Six (6) MAN-STX 16V32/40 8,000 kW diesel main engines coupled with ABB 8,750 kVA AC generators arranged with two (2) sets each in port, center, and starboard engine rooms
Power Distribution [Power Distribution]
Emergency Power [Emergency Power]

OPERATING PARAMETERS

Water Depth 10,000 ft
Maximum Drilling Depth 40,000 ft
Transit Speed [Transit Speed]
Survival Conditions [Survival Condition]

DRILLING EQUIPMENT

Derrick NOV Dual Dynamic Derrick, 80 x 60 ft, 210 ft clear height, static hook load 2,500,000 lbs single hook, 3,500,000 lbs simultaneously
Drawworks Two (2) NOV Dresco Drawworks. Main Well SSGD-1250-6900-57-100-10.5 with regenerative braking, powered by (6) General Electric GEB22A AC Motors Aux Well: SSGD-5750 with regenerative braking, powered by (5) General Electrical GEB22A AC Motors.
Rotary (2) NOV Rotary tables. Main well RST-75 1/2" hydraulically driven, 1133 mT capacity. Aux well RST-605-F, 907 mT capacity, no hydraulic drive feature.
Top Drive Two (2) NOV Top Drives. Main Well TDX-1250, 1133 mT capacity. Aux Well HPS-1000-2E-AC-KT, 907 mT capacity.
Mud Pumps (4) NOV triplex mud pumps, N14-P-220, belt driven each by (2) General Electric AC motors
Travelling [Travelling]
Handling [Handling]
Cementing [Cementing]
Drillpipe [Drillpipe]
Drillcollars [Drill collars]

HOISTING EQUIPMENT

Craneage (3) NOV Hydralift Knuckle Boom Cranes, Rated capacity 85 mT @59 ft & 17 mT @137 ft. (1) NOV Hydralift Active Heave Compensated Knuckle Boom Crane, rated capacity 160.4 t @ 9,840 ft water depth; 86.3 mT @ 9,840 ft (wet weight on hook).

CAPACITIES

Variable Deck Load 20,000 mT @ 39.3 ft draft (operating)
Tubulars in Pipe Rack (1) NOV Hydralift Tubular Catwalk Machine for tubular up to 30" diameter, 50 ft long, and 10 mT
Total Drilling Load [Tot. Drilling Load]
Liquid Mud 14,500 bbls
Bulk Cement 14,800 cu ft
Drillwater 18,000 bbls
Potable Water 8,900 bbls
Brine Storage 7,800 bbls
Base Oil Capacity 3,100 bbls
Fuel Oil 37,700 bbls
Sacks [Sacks]
Watermaker [Watermaker]
Others [Others]

WELL CONTROL SYSTEMS

BOP (1) NOV Shaffer BOP Stack 18 3/4" x 15,000 psi working pressure, (6) ram cavities / (2) annulars, rated for 12,000 ft water depth
BOP Handling (1) NOV BOP Gantry Crane, rated 2 x 220 m. (1) NOV BOP Trolley, rated 540 mT.
Control System (1) Shaffer 5th generation Multiplex BOP Control system, rated for 12,000 ft water depth, complete with BOP control unit satisfying API 16D Specification and with BOP fluid recovery system
Choke and Kill (1) Anson 3 1/16" x 15,000 psi upstream/10,000 psi downstream wp Manifold, with two manual chokes, two remote operated chokes, and glycol injection system, rated for H2S sour service.
Diverter [Diverter]
TV System [TV System]

HELIDECK [Helideck]

ACCOMMODATION 200 persons in single, two, three, or four bunk cabins

ADDITIONAL DATA

[Additional Data]