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ENSCO 75

GENERAL INFORMATION

Flag Panamanian
Previous Name(s) Chiles Magellan
Year Built 1999
Builder AMFELS Shipyard Brownsville, Texas
Upgrade _
Design Marathon LeTourneau Class Super 116-C
Classification A. B. S.

MAIN DIMENSIONS

Length 243'
Breadth 206'
Depth 26'
Legs 3 x 544' Square Truss
Leg Spacing Longitudinal leg centers 129'; transverse leg centers 142'
Cantilever Maximum 70' overhang from stern to rotary centerline; maximum 15' rotary displacement to either side of longitudinal centerline; drilling pattern length 70', width 30' (no extensions)
Spud Cans 45' diameter x 34.5' high to top of trunk
Deck Area _

DRAFT AND DISPLACEMENT

Transit Draft 16'
Transit Displacement 26,031.64 kips

MACHINERY

Main Power 4 x Cat 3516-B engines 7,420 HP, each driving 4 x Cat SR-4 2,150 KW 600 V generators;
Power Distribution Ross Hill SCR power units with controls for 5 x DC drilling motors
Emergency Power 1 x Cat 3516-B, rated 1,895 HP, driving a Cat SR-4 2150 KW 600 V generators

OPERATING PARAMETERS

Water Depth 380' (32' - 380')
Maximum Drilling Depth 30,000' with 5" DP
Leg Penetration _
Air Gap 45' to 50'
Transit Speed 3-4 knots
Survival Conditions _
Criteria Design _

DRILLING EQUIPMENT

Derrick Loadmaster 170' x 35' x 32'; rated 1,500,000 lb
Drawworks National 1625-UDBE, 3,000 HP; 7838 Baylor Elmagco brake electric
Rotary National D-495 49 1/2" opening, driven by 1--GE 752 DC motor
Top Drive Varco TDS8
Travelling American, 750 ton
Handling Maritime Hydraulics-Pyramid MH 1899
Cementing BJ Services model 35-8/RAM diesel driven
Mud Pumps 3 x National 14-P-220, triplex, 2,200 HP
Drill Pipe 5 7/8' range 2 S-135 (HT-57 connection)
Drill Collars 6 1/2"; 8"

HOISTING EQUIPMENT

Craneage 3 x MLT PCM-120SS electric, 50 ton at 5' radius; 1 x MLT PCM-120SS electric with 100' boom, 49.2 ton @ 22' radius; 1 x MLT PCM-120SS electric with 120' boom, 49.2 ton @ 25' radius

CAPACITIES

Variable Deck Load 4,998 kips (includes drilling load) 6,500 kips
Cantilever Load _
Total Drilling Load 2,250,000 lb
Tubulars in Pipe Rack 3,135 sq. ft.
Liquid Mud 2,500 bbls
Bulk Mud/Cement 11,100 cu. ft.
Sacks 5,000 sacks
Drillwater 13,774 bbls
Potable Water 1,659 bbls
Brine Storage _
Base Oil Capacity _
Fuel Oil 2,026 bbls
Watermaker _
Others _

WELL CONTROL SYSTEMS

BOP 1 x Shaffer 13 5/8" 5,000 psi annular; 1 x Cameron 13 5/8" 10,000 psi double, 1 x Cameron 13 5/8" 10,000 psi single
BOP Handling 2 each 37.5 metric ton hoist and trolley handling system
Control System 1 x 600 gal, 3,000 psi air/electric powered BOP control system with 3 x control panels
Diverter Hydriil 29 1/2" MSP 500
TV System Hennis CCTV to monitor BOP's Shaker Area, Derrick and Flowline
Choke and Kill 4 1/16" x 10,000 psi with 1 x manual and 2 x Hydraulic adjustable chokes

MOORING

Winches _
Wire _
Anchors _

HELIDECK S-61; 73' diameter

JACKING AND SKIDDING SYSTEM Marthon LeTourneau AC electric rack and pinion system, 90/hr

ACCOMMODATION 82 berths

ADDITIONAL DATA

Mud cleaning facilities: 5 x Brandt Cascade LCM-2D/CM2 shakers; Desander: LCM-2D-MC04, 4 x 12" cones; Desilter: LCM/20-MC-32/0, 32 x 4" cones; Sewage treatment: Omnipure 12 MC