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ENSCO 122

GENERAL INFORMATION

Flag Liberian
Previous Name(s) None
Year Built 2013
Builder Keppel FELS, Singapore
Upgrade _
Design Keppel FELS, Ultra-Enhanced, Super "A" Class
Classification A. B. S. A-1 self elevating drilling unit

MAIN DIMENSIONS

Length 246'
Breadth 240'
Depth 31'
Legs 3 x 525' (inc. spud can tip)
Leg Spacing Longitudinal leg center 150', transverse leg center 156'
Cantilever Maximum 80' from stern to rotary center. 60' x 32' live drilling area aft of hull
Spud Cans 59.67' diameter x 18' high
Deck Area Cantilever 3,480 sq. ft. main deck 4,930 sq. ft.

DRAFT AND DISPLACEMENT

Transit Draft 20.4' (Field Tow - Leg 525' - Spud cans Buoyant - 600 setback)
Transit Displacement 48,419 kips (Field Tow - Leg 525' - Spud cans Buoyant - 600 setback)

MACHINERY

Main Power 6 x Cat 3516CHD engine rated at 1603 bkW, each with 1500 ekW
Power Distribution 12 x VFD units
Emergency Power 1 x Cat 3508-B engine with 899 ekW

OPERATING PARAMETERS

Water Depth 400' max. (North Sea site sensitive) / 25' min.
Maximum Drilling Depth 40,000'
Leg Penetration min 1.5', max 100+'
Air Gap 150'
Transit Speed TBD (4.0 kt. historical average for ENSCO 102)
Survival Conditions At 328' water depth: wind: 87 knots; waves: 69'; period 15.5 sec
Criteria Design IMO MODU code 2009

DRILLING EQUIPMENT

Derrick NOV 210' x 40' x 40'; rated 2,500,000 lb maximum hook load capacity
Drawworks NOV ADS-30Q
Rotary NOV RST (60 1/2")
Top Drive NOV TDX-1250
Travelling NOV 872TB1250-8C
Handling Varco PRS-6i automated pipe racking system / 2 x NOV ST-160 (Automatic) Iron Roughneck / NOV PS-30 power slips; NOV CWS-P10-45LS pipehandling catwalk shuttle
Cementing Free placement only
Mud Pumps 3 x NOV 14-P-220 HP AC (Dual Cross); 7,500 psi mud system
Drill Pipe To be supplied
Drill Collars To be supplied

HOISTING EQUIPMENT

Cranage 3 x 120' boom (70 short ton at 40' radius) diesel; NOV KMCVCT 1891 pipehandling knuckle boom crane

CAPACITIES

Variable Deck Load 14,300 kips (max. hull subject to environmental conditions)
Cantilever Load 3,415 kips (centerline 80' aft of transom)
Total Drilling Load _
Tubulars in Pipe Rack 202 stands 5-7/8" DP; 81 stands 6-5/8" DP; 57 stands 7" casing; 40 stands 9-5/8" casing; 32 stands 13-5/8" casing
Liquid Mud 7,500 bbls
Bulk Mud/Cement 17,640 cu.ft combined total)
Sacks 7,500 sacks
Drillwater 17,900 bbls
Potable Water 3,500 bbls
Brine Storage 1,440 bbls
Base Oil Capacity 1,470 bbls
Fuel Oil 4,400 bbls
Watermaker 120 m3/day (24hr)
Others _

WELL CONTROL SYSTEMS

BOP Shaffer 18 3/4" 15,000 psi 4 Ram Type; Shaffer 18 3/4" 10,000 psi Spherical Annular Type
BOP Handling 1 x 125 ton crane with telescoping lifting fork, dual 15 ton BOP service bridge crane, 2 x 125 BOP carts
Control System NOV Koomey
Diverter Vetco KFDJ 1,000 psi, 49 1/2" RST
TV System _
Choke and Kill 3 1/16" x 15,000 psi with Mission CSO drilling choke

MOORING

Winches 4 x 45 mt each
Wire 2" wire / 2,000' length
Anchors 2 x Bruce, 7 mt each

HELIDECK S-92 and S-61 type helicopters / MTOW 12.8t
JACKING AND SKIDDING SYSTEM Keppel FELS, self positioning fixation system
ACCOMMODATION 150 berths

ADDITIONAL DATA

5 x NOV Brandt VSM 300 Shale Shakers; 2 x NOV Brandt DG-12 Degasser; ZMPC derrick elevator

CANTILEVER CAPACITY (kips)

	Reach	+17'	1.0	-15'
Allow Loads	80'	2200	3415	2200
Max Combined Load w/max setback	40'	3415	3415	3415