

ENSCOROWAN

EnSCO Europe & the Mediterranean
EnSCO House, Gateway Crescent
Gateway Business Park
Aberdeen, U. K. AB12 3GA
Phone: + 44 1224 780400
E-mail: marketing.eu@enscorowan.com
www.enscorowan.com



ENSCO 70

GENERAL INFORMATION

Flag: Liberia
Previous Name(s): Dan Duke (Lauritzen Cpy)
Year Built: 1981
Builder: Hitachi SB & Engineering
Upgrade: 2014
Design: Hitachi K1032N
Classification: ABS Maltese Cross self-elevating MODU

MAIN DIMENSIONS

Length: 230ft
Breadth: 250ft
Depth: 23ft
Legs: 388ft Triangular Truss
Leg Spacing: Transverse 188ft longitudinal 164ft
Cantilever: Aft 45ft/12ft x 12ft transverse
Spud Cans: 45.18ft diameter 20.34ft height
Deck Area: 7,061sq.ft. pipe racks only (including cantilever)

DRAFT AND DISPLACEMENT

Transit Draft: 15' 3"
Displacement: 31,385kips (Transit)

MACHINERY

Main Power: 5 x 1,215 HP, Cat D-399. 1 x 2,150 HP, Cat 3516 B. Total 8,225HP.
Power Distribution: 5 x 850KW GE. 1 x 1,525KW Kato.
Emergency Power: 1 x 480V AC, 60Hz, 420kw generator

OPERATING PARAMETERS

Water Depth: 250ft (nominal)
Drilling Depth: 25,000ft (Maximum)
Leg Penetration: Max 12.19 mtrs
Air Gap: 50ft – 110ft
Transit Speed: 4.5kt
Survival: 5,250kips elevated storm VDL
Conditions: 6,904kips elevated storm VDL
Criteria Design: MODU code

DRILLING EQUIPMENT

Derrick: Drecto 160ft x 30ft x 30ft x 1,500,000lbs gross nominal capacity.
Drawworks: National 1625-UE x 3,000hp; Baylor 15050 electric brake.
Rotary: National C-375 independent electric
Top Drive: 500t, Varco TDS-4H
Travelling: Drecto 760B x 750t
Handling: Varco AR3200 x 3 1/2" to 9 1/2"
Cementing: Halliburton 400HT x 1,100hp x 15,000psi (free placement only)
Mud Pumps: 3 x National Triplex, 12-P-160 x 1,600hp
Drill Pipe: 15,000ft x 5-1/2" HT55 S-135; 5" NC50 S-135, 4" HT40 S-135.
Drill Collars: 6 3/4" x 24 jts; 8 1/4" x 12 jts; 9 1/2" x 6 jts

HOISTING EQUIPMENT

Craneage: Portside: 1 x Liebherr MTC 1900-6D x 150ft boom. 15T Aux Hoist, 60T Main Hoist. Starboard: 1 x National OS 215 x 140ft boom, 29T @ 30ft.

CAPACITIES

Variable Deck Load: 8,014kips (3,636 MT)
Cantilever Load: 2,500 kips (combined)
Total Drilling Load: 1,950 kips
Tubulars in
Pipe Rack: 5,015ft²
Liquid Mud: 4,120bbl
Bulk Mud/Cement: 9,993ft³
Sacks: 5,000 sacks
Drill water: 5,315bbl
Potable Water: 1,216bbl
Brine Storage: Pit 10, 1200 bbls. Minus from liquid mud.
Base Oil Capacity: 728bbl
Fuel Oil: 2,198bbl
Watermaker: +20 tons per day (depending on engine loads).

WELL CONTROL SYSTEMS

BOP: 1 x Cameron "U" 13 5/8" x 10,000psi stack, 3 x Ram 10,000psi; Hydril 13 5/8" x 5,000psi GX annular; 2 x 21 1/4" Cameron Double Ram x 2,000psi; 1 x 21 1/4" Hydril MSP 2000 Annular x 2,000psi.
BOP Handling: 2 x JD Neuhaus chain hoists x 36t pull
Control System: Shaffer Koomey T30270-3S
Diverter: 1 x ABB Regan KFDJ x 2,000psi
Choke and Kill: 3-1/16" x 10,000psi with T3 remote chokes and T3 choke control station.

MOORING

Winches: 4 x Nippon Pusnes winches x 30t
Wire: 2,132ft x 44mm anchor wires
Anchors: 1 x Delta Flipper anchor x 13,230lb

HELIDECK

S-61

JACKING AND SKIDDING SYSTEM

National floating/electric rack & pinion jacking system, hydraulic skidding system

ACCOMMODATION

98 berths

ADDITIONAL DATA

Shale Shakers: 3 x Brandt VSM 300, 1 x Brandt VSM Multi-size; Sewage Treatment: Super Trident ST-8; Zero Discharge (single point); Riser Tension System: Aquaterra 200MT system; Dedicated pre-load high volume pump.