



Energy Driller

Semi Submersible Rig and Equipment Overview



RIG SPECIFICATIONS

GENERAL

Rig: Energy Driller
Flag: Liberia
Owner: Jet Drilling (S) PTE. LTD.
Year Built: 1977
Year Upgrades: 1991 / 1996 & 2006
Design: Semi Submersible; non-self propelled
Builder: Korean Shipbuilding and Engineering Corp.
Classification: ABS, +AL, M; Hull type barge

MACHINERY

Main Power: 4x Caterpillar D-399TA. 1215 hp each.
Generators: 4 x 1,162 KVA, 930KW, 600V, 60HZ
Emerg. Power: 1 X 350 KW Generator

Cranes:

Port side: 1 x Skagit 35 ton 100ft boom
Starboard Side: 1 x Bucyrus – Eire 35 ton 100 ft boom

DRILLING EQUIPMENT

Derrick: Pyramid Dynamic 160' high with 40' x 40' base 1,392,000 lbs
Drawworks: Continental Emsco C2 Type 2, 2,000Hp
Rotary Type: Continental Emsco Model T37½" opening, 900 Hp
Top Drive: Varco TDS-4S, 500 psi, 650 tons – 51,600 ft.lbs
Traveling Block: continental Emsco Model R-60-6, 650s
Swivel: continental Emsco Model LB650, 650 tons
Drill pipe: 5", S-135 Premium
Drill Collars: 6½", 8" 9½"
Pipe Handling: Manual Derrick
Motion Compensator: N.L Shaffer Model DSC-18-400 18ft stroke 400,000 lbs open, 1million lbs closed
Cementing Unit: Client rental
Mud Pumps: 2 EA Continental EMSCO FA – 1600, Triplex mud pump ea 1600 Hp
Shale Shakers: 3EA linear motion Brandt model LCM-2M
Desander: Oil tools solids control services w/ 2 x 12" cones
Desilter: Oil tools solids control services 12x4" cones

MOORING

Winches: Skagit DMW – 150, double drum
Wire/Chain: 8 EA 2½" OD X 2,300 ft, 6 X 41 IWC, 500 ft X 3" chain
Anchors: 8 EA 7.0MTstevpris anchors

OTHERS

Heli deck: Rated for Sikorsky S-61N
Accommodations: Fully air-conditioned for 96 persons

MAIN DIMENSION/ DRAFT/DISPLACEMENT

Length: 270 ft
Breadth: 127.50 ft
Depth: Light ship draft 9.18 ft
Columns: 6 x columns
Lower Hull: L=269ft, B=43ft, H=15ft
Operating Draft: 27.59 ft"
Ocean Transit Draft: 13 60 ft
Storm Draft: 17 ft
Operating Disp: Drilling 10,415 short tons
Ocean Transit Disp: Lightship 4,993 short tons

OPERATING PARAMETERS

Max Water Depth: 1,000 ft
Max Drilling Depth: 20,000 ft

CAPACITIES

VDL: Operating: 2000 short tons
VDL: Storm: 2000 short tons
VDL: Ocean Transit: 2000 short tons
Liquid Mud: 3,078 barrels
Bulk Mud: 3 x silos 5,278 cu ft
Bulk Cement: 3 x silos 5,278 cu ft
Drill water: 9,620 barrels
Portable Water: 2,698 barrels
Fuel Oil: 3,217 barrels

SUBSEA SYSTEMS

BOP: 18¾" X 10,000psi
LMRP: Vetco H-4 Model EH-4 18¾" X 10,000psi
BOP Handling: 2X Houston System Inc. hydraulic underslung cranes, 75 tons
Control System: Koomey Model 26300-35
Riser Details: Vetco MR6C

SUBSEA SYSTEMS

Diverter: Regan KFDH 24" X 371/2" WITH 12" DIVERTER LINES.
Riser Tensioner: 4EA Rucker Shaffer, 80,000lbs capacity, 52" diameter
Guideline Tensioner: 4EA Rucker Shaffer, 16,000lbs capacity, 28" diameter
Pod Tensioner: 2EA Rucker Shaffer, 16,000lbs capacity, 28" diameter.