ENERGY ENDEAVOUR

Jack Up
Rig and Equipment Overview
Energy Endeavour
RIG SPECIFICATIONS

GENERAL
Design: Gusto Independent 3 Leg Cantilever Jack Up
Flag: Liberia
Classification Society: DNV Self Elevating Drilling Unit
Year Built / MODU Certification: 1982/1989
Builder: RSV Gusto, Holland
Accommodation: 96 Persons

MAIN DIMENSIONS/ DRAFT/DISPLACEMENT
Length: 226 ft
Breadth: 259 ft
Depth: 27 ft
Legs: 448’/Triangular Truss
Cantilever: 45' with 2 x 12' Transverse
Spud Tanks: 14.6m x 16.9m/48ft x 56ft
Transit Draft: 22' from Waterline to Tip of Spud Can

MACHINERY
Main Power: 4 x Caterpillar 3516B Diesel Engines driving 4 x Leroy Somer 1825 kW Generators
Power Distribution: Hill Graham SCR 6 Drive System
Emergency Power: 1 x Caterpillar D398TA driving a 566 kW Generator
Compressors: 2 x Ingersoll Rand SSR 2000 & 1 x Ingersoll Rand Cold Start Type 30
Jacking System: Hydraulic Rack & Pinion, Jacking Rate of 70 Ft/Hr & Holding Capacity of 7,400 Tons per Leg

OPERATING PARAMETERS
Max Water Depth: 300'
Max Drilling Depth: 25,000'
Air Gap: 36 ft to 132 ft
Transit Speed: 5 knots
Mud Circulating System: 5,000 psi
Well Control Equipment: 10,000 psi

DRILLING EQUIPMENT
Derrick: 160 X 30 X 30 ft, 1,000,000 lb; 7 X 60” sheave; Crown block: Dreco 583 ton
Drawworks: National 1320-UE with Elmagco brake and driven by 2 x GE 752 DC electric motor
Rotary Table: National C-495 hydraulic driven
Top Drive: Varco TDS-4S, driven by 1 X GE 752 dc electric motor
Traveling Block/Hook: Oilwell B-500
Pipe Handling: NOV AR3200. Power slips PS21
Cementing Unit: Halliburton Twin HT-400 dual cementing unit driven by 2 X diesel engine
Mud Pumps: 3 X National 12-P-160 triplex pumps each driven by 2 X electric motor

DECK EQUIPMENT
1 x National OS-435 Crane (58 Ton with a 140’ Boom)
1 x National OS-215 Crane (39.4 Ton with a 100’ Boom)
1 x MHydraulics Crane (5 Ton with a 90’ Boom)
4 x Whittaker 36 Man Lifeboats
1 x JY Wulong 24 Man Lifeboat
1 x Neptune 28 Man Lifeboat

CAPACITIES
Variable Deck Load: 2693 Tonnes
Bulk Mud/Cement: 4,500 ft³ / 4500ft³
Active Liquid Mud: 1,635 bbls
Liquid Mud Storage: 1,720 bbls
Sacks: 5,000 sacks
Drillwater: 5,045 bbls
Potable water: 1,442 bbls
Fuel oil: 3,171 bbls
Brine: 4,750 bbls

WELL CONTROL SYSTEMS
BOP: Cameron 13 5/8 10,000 psi stack
Preventers: 2 x 10k’ Double ‘U’, 1 x Shaffer 5k Annular
Diverter: Regan KFDJ 500 psi
Control System: Koomey 30,000-3S Accumulator
Remote Panels: Rig Floor & Toolpushers Office
Test Stump: 10,000 psi