



# 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

### 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

### DRILLING EQUIPMENT

**Derrick:** 160 X 30 X 30 ft, 1,000,000 lb; 7 X 60" sheave; Crown block: Drecto 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 Wolong 24 Man Lifeboat  
1 x Neptune 28 Man Lifeboat

### 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

### 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

### CAPACITIES

**Variable Deck Load:** 2693 Tonnes  
**Bulk Mud/Cement:** 4,500 ft<sup>3</sup> / 4500ft<sup>3</sup>  
**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