

# Technical Specifications



<b>Name</b>	<b>Endeavour</b>
Flag	Liberia
Owner	
Manager	N/A
Previous Names	None
Year Built	2009-Q4
Builder	QGM Yard, Hamiryah, UAE
Design	MPN Friede & Goldman Super M2, Offset Cantilever Jack-up
Classification	ABS A1 SEDU
<b><u>Main Dimensions</u></b>	
Length	206 ft
Breadth	183 ft
Depth	25 ft
Legs	3 x 411ft
Longitudinal Leg Spacing	115ft
Transverse Leg Spacing	120ft
Spudcan Area	3 x 115 sq mtr
<b><u>Operating Parameters</u></b>	
Water Depth	300 ft
Maximum Drilling Depth	30,000 ft
Cantilever Reach	50 ft
<b><u>Survival Conditions</u></b>	
Water Depth	250 ft
Wave height & period	Sig: 54 ft @ 13.5 s
Wind Speed	100 knts
<b><u>Capacities</u></b>	
Variable Deck Load	Drilling/Operating: 6000 kips (2718te) Storm Holding: 4200kips (1903te)
Tubulars in Pipe Rack	30,000 ft of 5 1/2 in DP and 10 stands of DC
Liquid Mud	2,640 bbls
Sacks	5,000 sacks
Potable Water	2,590 bbls
Bulk Mud/Cement	9,660 cu ft
Drillwater	7,700 bbls
Fuel Oil	4,118 bbls
<b><u>Power Equipment</u></b>	
Main Power	4 x MTU 16V4000 P81, 1,840kw @ 1,800 rpm, driving 4x 2,000KVA generators
Emergency Power	1 x MTU 12v 2000 P82, 695KW 480v/3p. 60Hz
<b><u>Drilling Equipment</u></b>	
Derrick	Loadmaster 160 ft x 32 x 35 ft : 1,600,000 Max hook load
Drawworks	Varco, ADS 10T, 3,750 hp,
Rotary	Varco 49.5", Rotary Support Table, 1,000 ton

Top Drive	Varco TDS 8A, 62,250 ft/lbs at 94 rpm
Travelling Arrangement	Travelling Block: Varco, 750
Mud Pumps	2 x Hex 240, 2540 hp, 7,500 psi, 1,034 gpm
<b><u>BOP Systems</u></b>	
BOP	1 x 13-5/8" 10,000 psi working pressure Double Ram Preventer 1 x 13-5/8" 10,000 psi working pressure Single Ram Preventer 1 (Each) x 13-5/8" 10,000 psi WP Drilling Spool 2 (Each) x 4 1/16" 10,000 psi WP side outlets
BOP Handling Control System	2 x 25te Electrical BOP Trolleys CAD Control Systems - BOP & Diverter
Diverter	Vetco Gray, KFDJ, Fixed, 2000 psi, 12" hydraulically operated overboard valves
TV System	Integrated Colour TV system, Drillers Cameras 2 x Derrick, 1x Shakers, 1 x Substructure on Bops. Marine Cameras One on each leg for marine.
Choke and Kill	2 x 3" 10K kill lines and 2 x 4" 10K choke lines. 4 1/16", 10,000 / 5,000-psi WP choke and kill manifold with two hydraulic chokes, two manual chokes.
<b>Mooring Winches</b>	4 x EMCE Mooring Winches
<b>Cranes</b>	1 x AmClyde, Model 1000, 120' Boom, 35 MT 1 x AmClyde, Model 1000 XHD, 100' Boom
<b>Helideck</b>	60ft x 60ft (18.3m x 18.3m): S61N
<b>Jacking and Skidding System</b>	Modified Baker Marine rack and pinion jacking system, electrical drive system
<b>Accommodation</b>	110 berths 2 Berth Hospital