

GSF Magellan



General

Rig Type	Jackup
Design	Friede & Goldman L-780 Mod V
Notation	✕ AI Self Elevating Drilling Unit
Class	ABS
Year Build	1992
Builder	Keppel FELS
Flag	Republic of Vanuatu

Overall

Hull Length	69.49 M	228 FT
Breadth	67.67 M	222 FT
Depth	9.14 M	30 FT
No of Legs/Length	3 legs x 151.18 M	3 legs x 496 FT
Maximum Water Depth	106.75 M	350 FT
Longitudinal Leg Centers	45.70 M	150 FT
Transverse Leg Centers	47.50 M	156 FT
Diameter of Spud Can	18.18 M	60 FT
Height of Spud Can	5.50 M	18 FT
Spud Can Footing Area	258.30 M ²	2780 FT ²
POB	116	
Cantilever Envelop (Aft of Transom)	17.53 M	58 FT
Drill Floor Envelop (P/S of CL)	4.57 M	15 FT
Heliport	25.30 M	83 FT
	Rated for Sikorsky S-61N & S-92	

Capacity

Potable Water	376 M ³	2367 BBL
Drill Water	1569 M ³	9871 BBL
Diesel Fuel	547 M ³	3439 BBL
Preload	11760 M ³	73968 BBL
Active Liquid Mud	517 M ³	3250 BBL
Base Oil	139 M ³	874 BBL
Brine	357 M ³	2247 BBL
Sack Store	111 M ²	
P Tanks	493 M ³	17400 FT ³
Setback Load	431 MT	475 ST
Rotary Load	680 MT	750 ST
Hook Load	726 MT	800 ST
Combined Drilling Load	1158 MT	1276 ST

Equipment

Marine	
Jacking System Make / Model	Brissoneau & Lotz Marine C150E / Electric Rack & Pinion
No of jacks/pinions	4 pinions per assembly, total 36 pinions (9 assy's)
Max Jacking Load	1300 kips per pinion
Jacking speed	1.5 FT/Min
Crane Make / Model	3 x Sea King SK3500
Capacity	40.5MT @ 25FT, 17.9MT @ 120FT
Main Genset	4 x CAT 3606, 2500HP, 900RPM 5 x KATO 2280 kVA
Emergency Gen-set	1 x CAT 3508, 1018HP, 1800RPM 1 x KATO 894 kVA
Drilling	
Derrick	Dreco / 161 ft. x 40 ft. x 40 ft. with a static hook load capacity of 1,600,000 lbs. with sixteen lines
Pipe Handling	Varco / BJ PHM-3i, 30,000 ft. integrated iron roughneck, 100,000 / 120,000 ft. lbs. MU/BO
Drawworks	National Oilwell / E-3000, 3 x 1000HP GE 752 DCMotors
Rotary Table	National Oilwell / D-495, Max 49-1/2IN, rated at 800ST
Top Drive	Varco / TDS-4S, 826ST, 15000PSI
Diverter	Drill-Quip / 500psi, 47-1/2IN
BOP RAM	2 x Hydril, 13-5/8IN 15,000PSI
BOP Annular	1 x Hydril GX 13-5/8IN , 10,000PSI
BOP Handling	VMW / 90.7MT
Conductor Pipe Tensioning System	VMW / 300ST
Mud Pumps	National Oilwell / 3 x 14-P-200, 7500PSI
Shale Shakers	Axiom/ 4 x AX-1