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Unit:Gulf Driller VType::300 foot jack-up / Super M2Class:ABSBuilt:2015Rig Operator:Bluewhale Offshore

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Email



Unit Specifications		Environmental Limits		
Registered Name	Gulf Driller V	Environmental Limits	Air Temperature: -10°C min. to 45°C max.	
Rig Type	Self Elevating Drilling Unit / Jack Up Rig		Humidity: 30% min. to 90% max. Wind Survival: 100 knots	
Unit/Design/Shape	Friede & Goldman, Super M2		SW Temperature: -2°C min. to 35°C max,	
Unit Flag	F&G L780 Mod II Jackup Design Liberia		Density: 1,025 kg/m ³ (for design purposes) Corr. wave period: 13.5 sec	
Unit Classification			Wave Height: 50 ft (survival @ water depth 30	
	ABS ♥A1 Self-Elevating Drilling Unit ♥CDS CPS CRC		54 ft (survival @ water depth 250 ft)	
IMO Certification	IMO registration upon contract commitment	Mooring System		
Year of Construction	2015	Mooring System & Anchors	4 sets of anchor winches; Nantong Liwei / DC-3	
Construction Yard	Yantai CIMC Raffles Offshore Ltd		Electric with a rated pull of 300 kN	
Last Major Upgrade	N/A - Not applicable		4 sets of anchors; JIANGSU YANGYUAN MARINI EQUIPMENT CASTING / High holding power and	
Main Dimensions/Technical Description			type JYS; each weighing 3,175 kg	
Hull Length	196 ft (59.75 m)	Crane, Hoist And Material Hand	-	
Hull Width	183 ft (55.78 m)	Cranes	One (1) TSC Deck Crane / P10 with 120 ft long boom. Main hoist capacity 50 tonne @ 8.7 m.	
Hull Depth	25 ft (7.62 m)		Auxiliary hoist capacity 6.5 tonne @ 38.2 m. Di	
Number of legs/length	3 x 411 ft (3 x 125.3 m)		driven.	
Spud Can Diameter	40 ft (12.09 m)		One (1) TSC Deck Crane / P10 with 100 ft long boom. Main hoist capacity 50 tonne @ 7.6 m.	
Spud Can Height	15 ft (4.57 m)		Auxiliary hoist capacity 12 tonne @ 32.1 m. Die driven	
Cantilever Envelope	50 ft x 30 ft (15.24 m x 9.14 m)		One (1) Bridge Racker TSC / BRC10-A	
Maximum Hook Load	1,500 kips (680 metric tonnes)	Helicopter Landing Deck		
Maximum Rotary Load	1,500 kips (680 metric tonnes)	Dimensions	72'-10" x 72'-10" (22.20 m x 22.20 m)	
Maximum Setback Load	750 kips (340 tonnes)	Deck Load Capacity	0.21 tonne/m ² ;	
Storage Capacities		Refueling System	9.3 tonne per UK CAP 437 Not installed. System retrofit as per contract agreement	
Fuel	22,177 ft ³ (628 m ³)	Refueling System		
Mud Processing Tank	1,091 ft ³ (31 m ³)	Designed For Helicopter Type	Sikorsky S61N	
Active Liquid Mud	12,868 ft ³ (364 m ³)	Auxiliary Equipment		
Drilling Water	36,268 ft ³ (1,027 m ³)	Water Maker	2 sets of RO type HSRO-40 Aqua-Chem Inc.; 2 >	
Potable Water	13,136 ft ³ (372 m ³)	Cargo Transfer Pumps	tonne per day 2 x fuel oil transfer pumps; 2 x 13 m ³ /hr @ 4.5	
Sack Storage	5,000 sacks	Derrick and Substructure		
Bulk Bentonite/Barite	204 m ³ (3 x 68 m ³)		Base: 35 ft x 40 ft and Crown: 18 ft x 18ft	
Bulk Cement	136 m ³ (2 x 68 m ³)		Maximum 1,500 kips (680 tonnes)	
Jackup Systems		Racking Platform	Total simultaneous drill pipe capacity: < 5 ½" DP: 229 stands	
Jacking Systems	NOV-BLM / D60H / SUPER M2; 27 jacking units;		4" DP: 105 stands	
	Jacking capacity of 880 kips/unit; Jacking speed of		8" DP: 6 stands 9 ½" DP: 4 stands	
Raw Water System/Ballast	 1.8 ft/min 3 sets of Ritz-Tower pumps; each with power rating 	Automated Pipehandling	N/A - Not applicable	
	of 132 kW and a capacity of 500 $m^3/h \oplus 5$ bar	Drawworks	TSC / D3000; GE/5GEB28A 2x1500HP AC Moto %"; 638 kN. 3000 hp continuous	
		Rotary Table	TSC / RT495H; Maximum opening of 49 ½"; Rat	
Operational Capabilities	300 ft (91 m)	Top Drive	capacity of 1,000 short tons NOV / TDS-8SA (electric); Rated capacity of 750	
Maximum Water Depth		- 19 -	short tons; Test/working pressure of (psi/psi)	
Maximum Drilling Depth	30,000 ft		11,250 / 7,500; Output power of 1,150 hp; Continuous torque rating of 63,000 ft-lb @ 94 i	
Thrusters	N/A - Not applicable		International torque rating of 95,000 ft-lb @ 0 RP	
Variable Load Capacity	/ariable Load Capacity		Maximum speed rating of 14,500 ft-lb @ 270 rp Brake capacity of 96,000 ft-lb; Maximum rotary	
Variable Load Capacity	Transit VL capacity: 3,306 kips (1,500 t) Drilling VL capacity: 6,784 kips (3,080 t) Survival VL capacity: 6,000 kips (2,722 t) Jacking VL capacity: 3,306 kips (1,500 t)		speed of 270 rpm	



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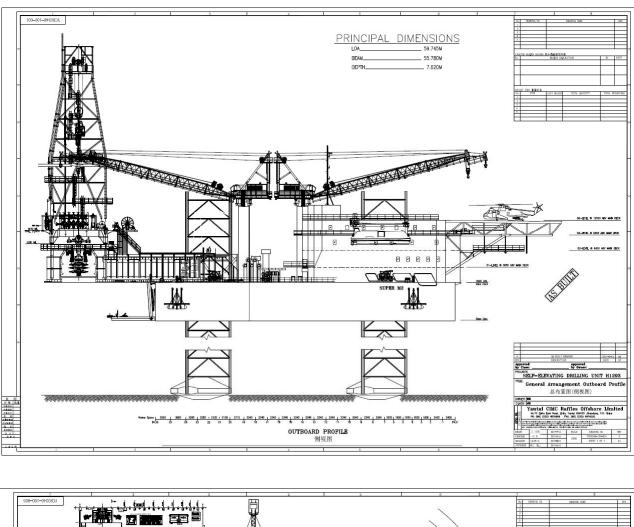
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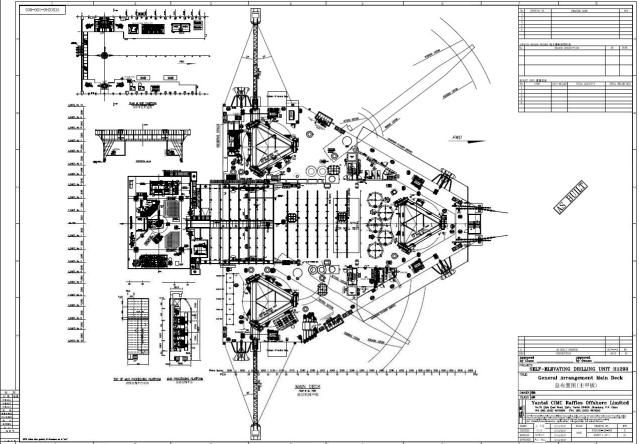
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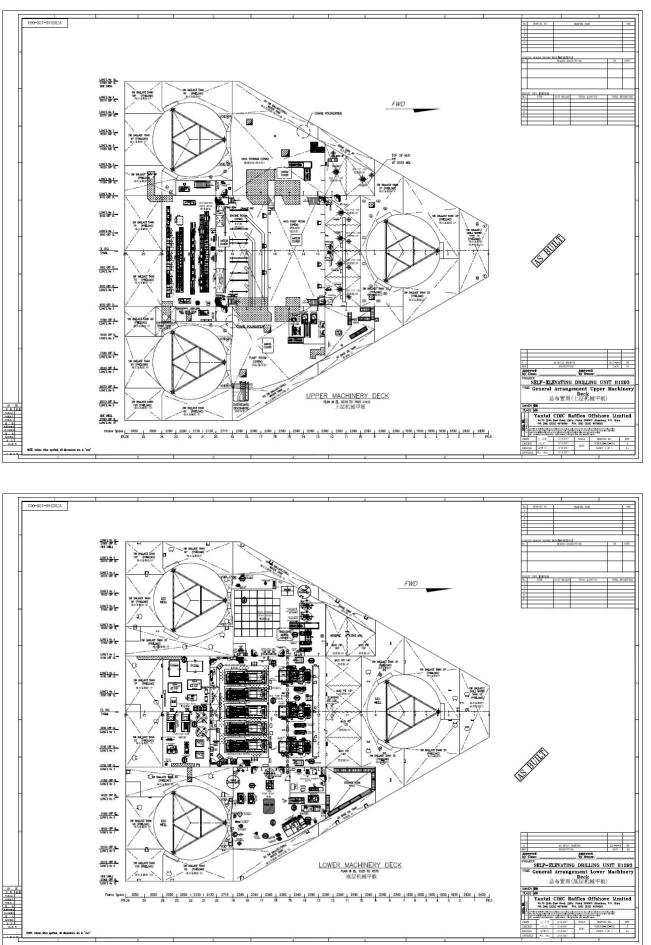
Power Supply Systems		Instrumentation/Communication	
Rig Power Plant Compressed Air Systems	Five (5) sets of Caterpillar engines / 3516; 1603 kW; 1200 rpm Five (5) sets of AC Generator LEROY SOMER / SR4B; 1530 kW; 600 V Cold Start: One (1) TMC / IHL2-77-90-105; Rated capacity of 55 m ³ /h; Working pressure 8.6 bar;	Drilling Instrumentation	Weight Indicator: Sensor type; E551 compression Standpipe Pressure Gauges: 2 each; Max. pressure reading @ 10 kpsi Choke Manifold Pressure Gauges : 2 each; Max. pressure reading @ 15 kpsi Tachometer: Truck / Proxy Switch; Max. rpm @ 20
Emergency Generator	Prime mover diesel driven Rig air: Two (2) Tamrotor Marine / TMC150-10 EWA SW; Rated capacity of 1,182 m ³ /h; Working pressure 9 bar; Prime mover electric driven; Continuous power 138 kW Air dryers: Two (2) Tamrotor Marine / TMC- RM1200; each with a rated capacity of 1,200 m ³ /h Caterpillar / CAT C32; 730 ekW; 1800 rpm	Rig Communication System	Torque Indicator: Hydac / Pressure Transducer; Max. torque @ 100 Nm; Top Drive Instrumentation; Pump Stroke Counters; Tong Torque Indicator; Pit Volume Totalizer; Trip Tank Indicator; Automatic Driller; Remote Choke Control Unit; Crown Clearance Indicator Rig Telephone System - No. of stations: 81 (Explosion proof: 10)
Drillstring Equipment	AC Generator LEROY SOMER / SR5; 730 ekW; 480V		Public Address System - No. of stations: 264 (Explosion proof: 65) Drill Floor Talkback System - No. of stations: 3
	TDC Cover Cuby C 5/ ¹⁰ Full Hale (FH)		Hand Held VHF Radios - Quantity: 12 Crane Communication System - SSB Transceiver
Tubulars	TDS Saver Sub: 6 %" Full Hole (FH) Crossover Subs: OD size max/min of 7 %" ID size: 3.82" Top connection size: 4 ½" Type (pin/box): Box	Navigation Equipment	GMDSS System - Quantity: 2 EPIRBs - Quantity: 1 Aircraft Radio Beacon Transmitter - Quantity: 1 Aeronautical VHF Transceiver - Quantity: 1
Handling Tools	Bottom connection size: 7 %" Type (pin/box): Box Semi-automatic DP slips; Blohm & Voss / PS-750/2; Max. 22" (casing) / Min. 2 %" (tubing)		Watch Receiver - Quantity: 1 MF/HF DSC/Watch Receiver - Quantity: 1 NAVTEX RECEIVER - Quantity: 1 MARINE GPS NAVIGATOR - Quantity: 1
	Iron Roughneck; NOV / ST-120; Range (max OD/min OD) 10" – 3 ½"; Max. makeup torque 100,000 ft-lb; Max. breakout torque 120,000 ft-lb	External Communications Eq.	Satellite communication system: V-Sat Mobile Earth Station Inmarsat-C - Quantity: 2 Mobile Earth Station Inmarsat-F , Quantity: 1 Marine VHF Radio - Quantity: 3
Well Control/Subsea Equipment			Portable VHF Transceiver - Quantity: 4
Diverter	Make / type: GE VG / KFDJ49.5; Maximum bore: 47"; ID of insert packers: 10", 17 ¾", 22"; Working pressure: 500 psi		SART - Quantity: 4 RADIO CONSOLE - Quantity: 1 POWER SUPPLY UNIT/UPS - Quantity: 2
LP and HP BOP	Low Pressure: Cameron Double + Single; 21 ¼"; 2000 psi	Production Test Equipment	
	High Pressure: Cameron; 13 %"; 15,000 psi Accumulator Unit: CAD / RSM-600-B3AC; Fluid	Burner Boom	Not installed. System retrofit as per contract agreement
	reservoir capacity of 600 gallons Accumulator Hydraulic Pumps: 2 sets of CAD/EPM-	Workover Tools	
	P68V078BBD1; Electric drive 50 hp; flow rate of	Workover Tools	As per contract agreement
	each pump 20 gallons/minute @ operating pressure 3,000 psi	Accommodation	
Choke and Kill Manifold	3 1/16"; 15,000 psi	Offices	5 offices; each with 4 workstations
Mud System/Bulk System		Living Quarters	110 PAX; 6 one-bedders; 8 two-bedders; 22 four- bedders
High Pressure Mud System	3 sets of TSC WF2000 triplex mud pumps; YJ motor; 800 kW; 600 VAC; 7,500 psi; Discharge/suction line	Safety Equipment	
Low Pressure Mud System	ID: 4" (ID) & 12" (DN); Liner size: 5" to 7 ¼" 3 sets of shale shakers; MI-Swaco / MD-3; 6.3 Gs	Fire Fighting	Two (2) firewater pumps; Azcue / VM-EP80/20; each delivering 160 m ³ /hr @ 70m; Power rating 52 kW
	Normal; 7.2 Gs capacity 1 set of Degasser; MI-Swaco / CD-1400 Vertical D- Gasser	Survival Equipment	Lifeboats: 2 units with capacity of 120 PAX/unit Liferafts: As per IMO / SOLAS FRC/MOB: As per IMO SOLAS
Bulk System	Barite/Bentonite: 3 silos; each @ 68 m ³ ; Cement Silos: 2 silos; each @ 68 m ³ ;	Pollution Prevention Equipment	
Coning (Compating Equipment	Surge Tanks for B/B: 2 tanks; each @ 2.2 m ³	Sewage Treatment	EVAC / MBR 80C; Biological FAST D4 system; Capacity in line with full crew complement (110
Casing/Cementing Equipment		Garbage Treatment & Disposal	PAX onboard) Wesco 526
Casing Equipment Cementing Equipment	Casing equipment mobilized as per contract agreement Cementing equipment mobilized as per contract	Oily Water Separator	Coalescer type; JOWA / 3SEP OWS; System capacity
	agreement		@ 5 m³/h











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