



Unit : Gulf Driller VI
Type: : 400 foot jack-up / JU2000E
Built : 20178(under construction)
Rig Operator : Bluewhale Offshore

Email : marketing@bluewhaleoffshore.com



Unit Specifications

| | |
|----------------------|--|
| Registered Name | Gulf Driller VI |
| Rig Type | Self-Elevating, Cantilever, Independent Leg, Jack-Up MODU |
| Unit/Design/Shape | JU2000E Independent Cantilevered Triangular Jack-Up - Friede & Goldman |
| Unit Flag | Marshall Islands |
| Unit Classification | ABS *A1 Self-Elevating Drilling Unit, CDS |
| IMO Certification | IMO registration upon contract commitment |
| Year of Construction | 2018 (under construction) |
| Construction Yard | Yantai CIMC Raffles Offshore Ltd |
| Last Major Upgrade | N/A - Not applicable |

Main Dimensions/Technical Description

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|-----------------------|--|
| Hull Length | 231 ft (70.41 m) |
| Hull Width | 249 ft (75.90 m) |
| Hull Depth | 31 ft (9.45 m) |
| Number of legs/length | 3 x 547 ft (166.73 m) - incl. spud can |
| Spud Can Diameter | 59 ft (17.98 m) |
| Spud Can Height | 19.5 ft (5.94 m) |
| Cantilever Envelope | 75 ft x 30 ft (22.86 m x 9.15 m) |
| Maximum Hook Load | 2,000 kips (907 tonnes) |
| Maximum Rotary Load | 2,000 kips (907 tonnes) |
| Maximum Setback Load | 950 kips (431 tonnes) |

Storage Capacities

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|-----------------------|--|
| Fuel | 23,307 ft ³ (660 m ³) |
| Mud Processing Tank | 1,801 ft ³ (51 m ³) |
| Active Liquid Mud | 26,309 ft ³ (745 m ³) |
| Drilling Water | 55,938 ft ³ (1,584 m ³) |
| Potable Water | 19,246 ft ³ (545 m ³) |
| Sack Storage | 5,000 sacks |
| Bulk Bentonite/Barite | 8,828 ft ³ (250 m ³) |
| Bulk Cement | 8,828 ft ³ (250 m ³) |

Jackup Systems

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| Jacking Systems | NOV-BLM / electric driven No. of pinions: 54 Maximum jacking load: 1,150 kips Jacking speed: 1.5 ft/min |
| Raw Water System/Ballast | 3 sets of submersible pumps; RITZ; each with capacity of 400 m ³ /hour @ 87 psi; 177 hp One (1) dedicated pre-load pump; RITZ; with a capacity of 500 m ³ /hour @ 29 psi; 67 hp |

Operational Capabilities

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|------------------------|-----------|
| Maximum Water Depth | 400 ft |
| Maximum Drilling Depth | 35,000 ft |

Variable Load Capacity

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|------------------------|--|
| Variable Load Capacity | Transit VL capacity: 6,170 kips Max. combined VL capacity: 14,300 kips Max. survival VL capacity: 6,600 kips |
|------------------------|--|

Environmental Limits

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| Environmental Limits | Air Temperature: -20°C min. to 45°C max. Humidity: 30% min. to 90% max. Wind Survival: 100 knots (51.44 m/s - one min. avg.) SW Temperature: 0°C min. to 35°C max. Density: 1,025 kg/m ³ (for design purposes) Corr. wave period: 14.1 sec Wave Height: 44 ft (survival @ water depth 400 ft) |
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Mooring System

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| Mooring System & Anchors | 4 sets of 80 tonne single drum winches; Brake hold 120 tonnes @ first layer 4 x anchors; 7,500 kg (each) |
|--------------------------|---|

Crane, Hoist And Material Handling

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| Cranes | Three MEP deck cranes; two (2) rated at 60 t @ 25 ft with capacity 35t @ 23m; 30 t @ 30 m; 17.5 t @ 34m; and one (1) crane rated at 60 t @ 25 ft with capacity 35 t @ 16 m; electro-hydraulic drive, with 36.5 m (120 ft) booms |
|--------|---|

Helicopter Landing Deck

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| Dimensions | 22.20 m x 22.20 m |
| Deck Load Capacity | 42lb/ft ² (0.21 tonne/m ²); 26,455 lbs (12 tonne) |
| Refueling System | Wilmax; Fuel storage capacity of 1,500 US Gallons |
| Designed For Helicopter Type | Sikorsky S92 |

Auxiliary Equipment

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| Water Maker | 2 sets of Parker; each with a capacity of 60 tonne per 24 hours running |
| Cargo Transfer Pumps | 2 x fuel oil transfer pumps, 2 x 35 m ³ /hr; 5 bar |

Derrick and Substructure

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|--------------------------------|---|
| Derrick Dimension and Capacity | Base: 40 ft x 40 ft; Crown: 18 ft x 18 ft Maximum 2,000 kips (907 tonnes) |
| Racking Platform | Total simultaneous capacity - drill pipe: 5 ½" DP and 5 ½" HWDP: 361 stands 3 ½" DPDP: 90 stands 9 ¾" DC: 10 stands |
| Automated Pipehandling | MHWirth Eagle Light 3.2 t HTV; 6.4 t vertical above mouse holes MHWirth Catwalk Machine 20 t MHWirth Lower Guiding Arm for pipe range OD 3 ½" to 9 ¾" MHWirth pipe deck pipe handler (PDPH); lifting capacity (SWL) of 4.5 t @ 2.3 m to 22 m; and 3.5 t @ 22 m to 23.2 m |
| Drawworks | MHWirth GH 4500EG-AC, 3 sets of 1,150 hp GE B22 A2 AC drilling motors; Maximum line pull 2,000 kips @ 14 lines |
| Rotary Table | MHWirth RTSS-H hydraulic drive; Maximum opening of 49 ½"; Rated capacity of 1,000 short tons |
| Top Drive | MHWirth DDM-1000-AC-2M-Enhanced; 2 x 1,150 hp (electric); Rated capacity of 907 tonnes (1,000 short tons); Test/working pressure of (psi/psi) 11,250 / 7,500; Output power of 1,150 hp; Continuous torque rating of 118,000 Nm @ 0 - 130 rpm; 104,000 Nm @ 150 rpm |



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Power Supply Systems

Rig Power Plant Six (6) sets of Caterpillar CAT 3516C HD; 1603 kW; 1200 rpm
 Caterpillar AC generator SR4B; 1530 kW; 690V / 60Hz

Compressed Air Systems Air compressors - Cold Start: 1 set of Ingersoll Rand (diesel drive); 0.9 m³/min; 125 psi
 Air compressors - Medium pressure (rig air): 3 sets of Ingersoll Rand (electric drive); 30 m³/min; 125 psi; 120 hp
 Air dryers: 2 sets of Ingersoll Rand; Dessicant heatless type

Emergency Generator Caterpillar CAT 3512B; 860 kW; 1800 rpm
 AC Generator LEROY SOMER / SR5; 1137 kW; 480V

Drillstring Equipment

Tubulars TDS Saver Sub: 6 ¾" Full Hole (FH)
 Crossover Subs: OD size Max/Min of 7 ¾"
 ID size: 3.82"
 Top connection size: 4 ½"
 Type (pin/box): Box
 Bottom connection size: 7 ¾"
 Type (pin/box): Box

Handling Tools Drill pipe elevator: B&V / VES-SD-750; 3 ½"; 750 tons
 Semi-Automatic DP Slips: MHWirth / PS750-2;
 Hydraulically operated; 2 ¾" to 22"
 Iron Roughneck: MHWirth hydraulic RN; 3 ½" - 9 ¾";
 Max. makeup torque of 190 kNm; Max. breakout torque of 190 kNm

Well Control/Subsea Equipment

Diverter GE VG / KFDJ500; Maximum bore: 49 ¾"; ID of insert packers 28" or 36"; Working pressure of 500 psi

BOP Cameron; 18 ¾"; 15,000 psi; all appropriate components H2S rated

Choke and Kill Manifold MHWirth; 3 1/16"; 15,000 psi

Mud System/Bulk System

High Pressure Mud System 3 sets of MHWirth TPK 7 ½" x 14" / 2200 CL-AC-RB triplex mud pumps; 3 sets of AC drive motors YJ for each mud pump; 7,500 psi; Discharge/suction line: 4 1/16" (ID) & 10" (ID); Liner size: 5" to 6 ½"

Low Pressure Mud System 4 sets of Derrick / FLC-513 VE shale shakers; 7Gs @ 1000 gpm with PMD API 80 screens (10.8 ppg mu)
 One MHWirth Desander; Horizontal centrifugal pump 8 x 6 x 14
 One MHWirth Desilter; Horizontal centrifugal pump 8 x 6 x 14
 One Derrick / FLC 513VE 3-20 Mud Cleaner
 One Derrick / ACD1500 Centrifugal Degasser

Bulk System Four (4) Barite/Bentonite Silos; each @ 64 m3
 Four (4) Cement Silos; each @ 64 m3

Casing/Cementing Equipment

Casing Equipment One (1) Casing stabbing basket
 One (1) set of Casing Slips; B&V / PS750-2; 3 ½" - 5 ½"
 Other casing equipment mobilized as per contract agreement

Cementing Equipment Cementing manifold: 3 1/16", 15000 psi
 Cementing equipment mobilized as per contract agreement

Instrumentation/Communication

Drilling Instrumentation Drilling instrumentation and control system with controls for drawworks, topdrive, pipe racking machinery, mud pumps, hydraulic power pack, brake water cooling unit, hydraulic cat heads, etc.
 Local Drillers information is displayed in the drillers' cabin from the Drilling Control System

Rig Communication System 1 station of Phontech Automatic Telephone System (128 lines). EX compliant
 2 stations of Phontech Public Address System. EX compliant
 9 stations of Drill Floor Talkback System
 6 sets of hand-held VHF radios
 6 sets of hand-held UHF radios
 3 sets of Crane Communication System; Motorola GM3688
 5 sets of SART
 3 sets of VHF-DSC radio telephone (including 5 unit of two-way portable radio telephones)

Navigation Equipment Gyro compass ANSCHUETZ / STANDARD 22;
 Depth sounder FURUNO/ FE-700;
 Magnetic compass SAURA / SR-165;
 Marine GPS Navigator

External Communications Eq. 2 sets of satellite communication system: Furuno / FELCOM15 and INMARSAT C
 1 set of SSB Transceiver; Furuno; 250 W
 1 set of EPIRBS McMurdo LTD
 2 Sets of Marine VHF Radio; Furuno / FM8800S; 25w / 1w; All US & Intl Channels
 1 set of Aircraft Radio Beacon Transmitter
 1 set of Aeronautical VHF Transceiver
 1 set of fascimile
 1 set of Telex, NAVTEX
 1 set of M/A GMDSS - Furuno / RC1800

Production Test Equipment

Burner Boom Not installed. System retrofit as per contract agreement

Workover Tools

Workover Tools As per contract agreement

Accommodation

Offices 6 offices (each with 4 workstations)

Living Quarters 150 PAX (73 two-bedders and 4 one-bedders)

Safety Equipment

Fire Fighting Azcue firewater pumps; 2 sets; each with a capacity of 308 USG/min

Survival Equipment Lifeboats: 3 units each with capacity of 75 PAX
 Liferafts: 6 units each with capacity of 25 PAX

Pollution Prevention Equipment

Sewage Treatment One (1) EVAC unit

Garbage Treatment & Disposal One (1) Enviro-Pak / 4000 C unit
 One (1) Hobart / FD3-150 unit

Oily Water Separator One (1) JOWA unit; 10 m³/h



