

GSF Monarch

Harsh Environment Deep Water Jack-Up

General Description

Design ..... Friede & Goldman L-780 Mod V

Overall dimensions ..... 228 by 222 by 31 ft.

Legs (3) ..... 496 ft. long triangular

Quarters capacity ..... 116 persons

Operating water depth ..... 361 ft.

....(Central & Northern North Sea, site specific approval at > 300 ft)

Cantilever envelope ..... 52 ft. by 30 ft.

Maximum variable load (drilling) ..... 7,414.15 kips *

* 328 ft. WD; 100 knot wind; 40 ft. wave; 1.5 knot current

Drilling Equipment

Derrick	160 ft. by 36 ft. J Paris, with a static hook load capacity of 1,400,000 lbs. with fourteen lines
Drawworks	Continental Emsco C-3, 3,000 hp, driven by three 1,000 hp motors, with a Baylor 7838 auxiliary electric brake
Rotary table	Continental Emsco T-4950 with independent drive using a GE 752 DC motor with 2 speed transmission
Top drive	Varco TDS-4S, 650 ton, rated to 45,500 ft.-lbs. continuous drilling torque in low gear, complete with an open loop cooling system and PH-85 pipehandler
Pipe handling	Varco PRS-2 piperacking system with Varco AR 2000 iron roughneck
Mud pumps	Three Continental Emsco FB-1600, 1,600 hp triplex pumps, each driven by two 1000 hp DC traction motors
Solids control	Three scalping shakers cascading onto five Thule VSM 100 linear motion shakers and facilities to tie in centrifuges and a cuttings wash system/ cuttings injection package

Storage Capacities

Active liquid mud	2,337 bbl.
Base oil	1,140 bbl.
Brine	4,044 bbl.
Bulk Material	12,720 cu. ft.

Power Equipment

DC	Five Hill Graham SCR units, each rated at 1800 amps, powering eleven 1,000 hp DC electric motors
AC	Four Wartsila 22v22md diesel engines, 2,065 hp, each driving a 2,050 kva generator

BOP Equipment

Diverter system	Vetco KFDJ-500, 500 psi, 49-1/2 in. fixed diverter with two 12 in. discharge lines and two 12 in. hydraulically operated ball valves
21-1/4 in. system	One Hydril type MSP 2,000 psi annular preventer, one QOP type Q 2,000 psi double ram preventer
13-5/8 in. system	One Hydril type GK 5,000 psi annular preventer and two Shaffer type SL 10,000 psi double ram preventers .

Cranes

Three Skagit 363 cranes, with 120 ft. booms, rated for 39 tons at 20 ft. radius

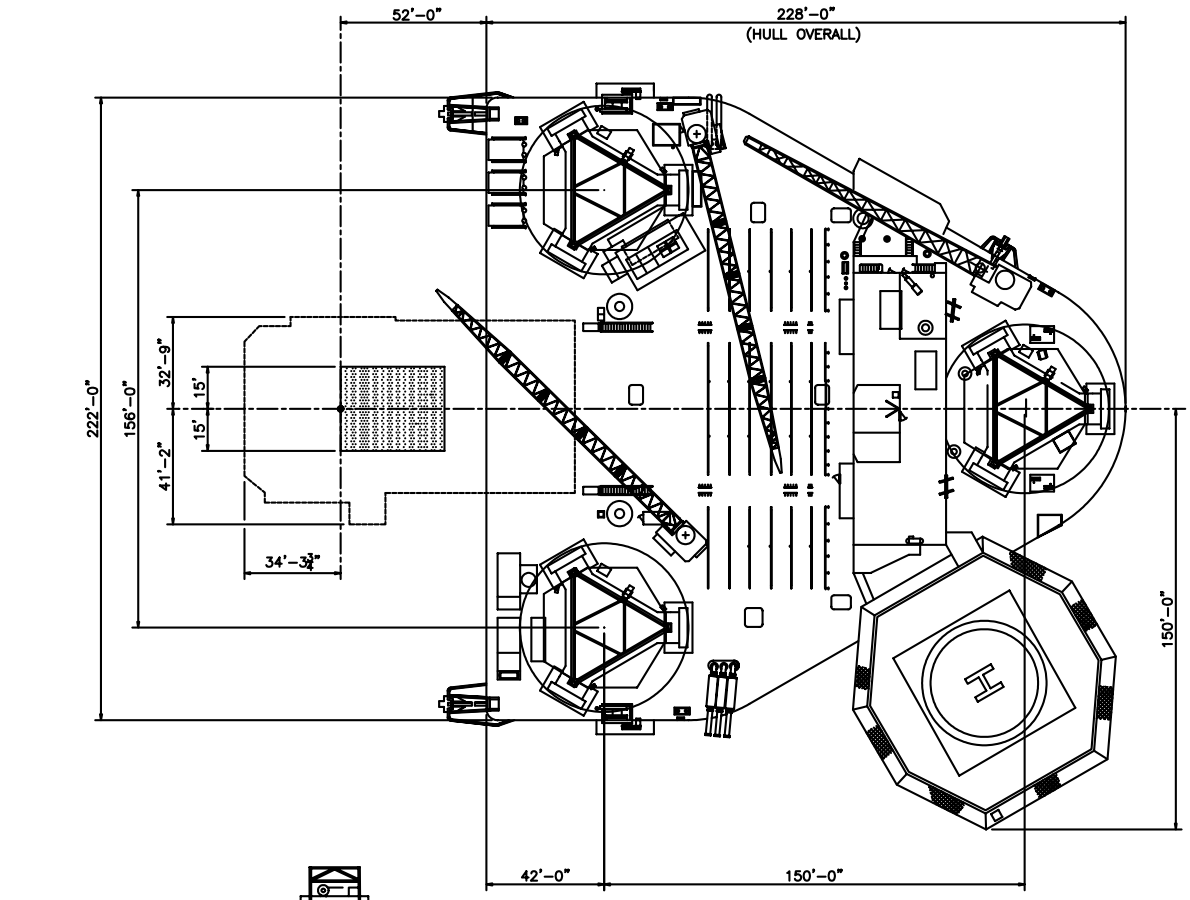
Special Features

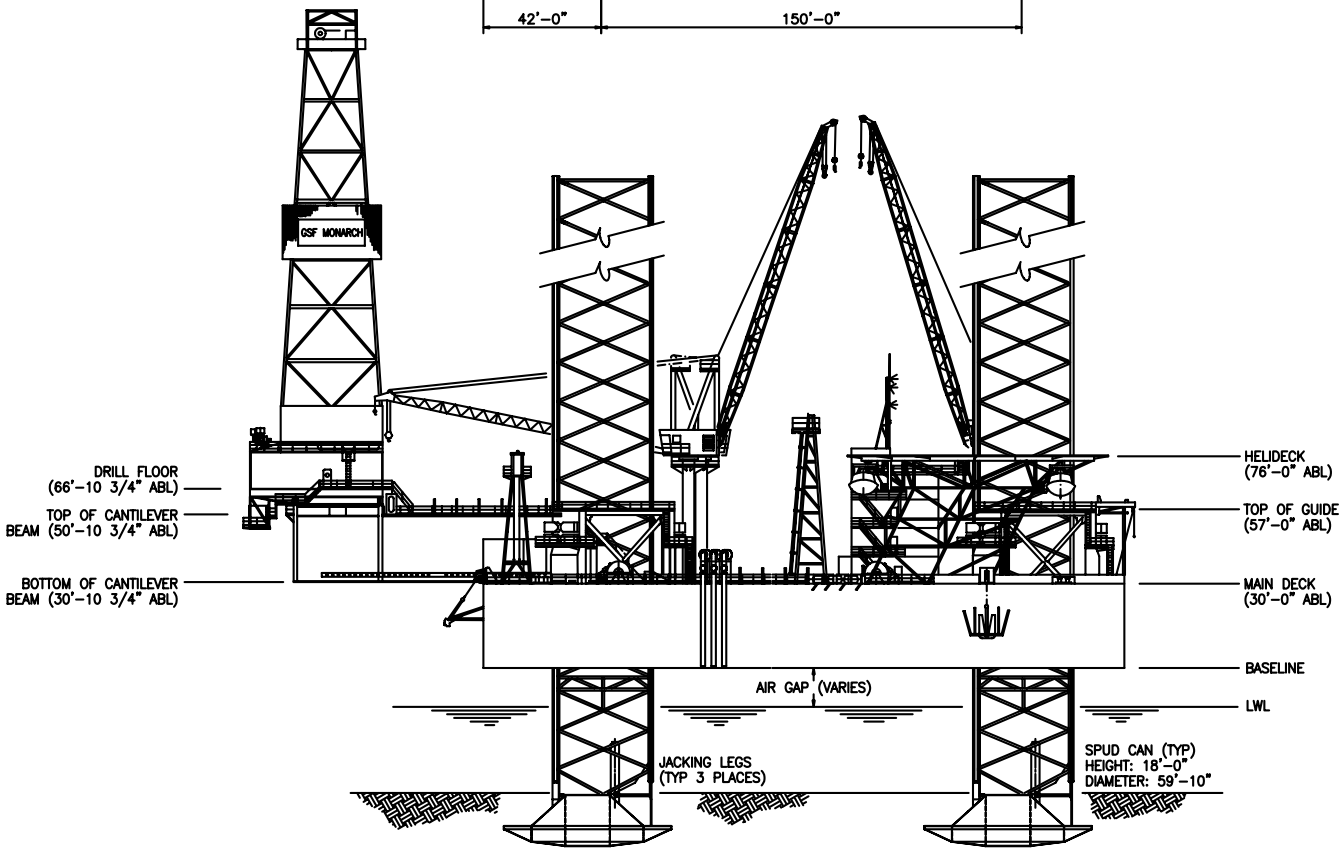
Choke manifold	Cameron 15,000 psi WP choke manifold
CTU	600 kip conductor tensioning unit

GlobalSantaFe

Inquiries should be directed to the Marketing Department

Houston 15375 Memorial Drive Houston TX 77079-4101 (281) 925-6000 Fax (281) 925-6010





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