

GSF Arctic II

1,200 Foot Semisubmersible

General Description

Design	Friede & Goldman L-907
Dimensions	308 x 200 ft. (main deck)
Normal operating draft	76 ft.
Towing draft	37 ft.
Maximum variable load (drilling)	2,707 st
Quarters capacity	92 persons
Operating water depth	1,200 ft.

Drilling Equipment

Derrick	195 ft. x 40 ft. Dreco, with a static hook load capacity of 1,250,000 lbs. with twelve lines
Drawworks	Ideco Dresser E-3000, 3,000 hp, driven by three GE 752 DC motors, with hydraulic disc brakes and a Baylor 7838 auxiliary electric brake
Rotary table	Ideco, 59-1/2 in. hydraulic motor driven, non-drilling
Top drive	Maritime Hydraulics Hydraulic DDM 650-HY-C-359, 650 short tons. Continuous drilling torque rating of 40,450 ft.-lbs.
Motion compensator	Maritime Hydraulics MH 1659 compensated capacity 270 short tons.
Mud pumps	Two Ideco T-1600 1600 hp, Triplex pumps each driven by two Siemens DC motors, rated to 5,000 psi with plungers and high pressure liners
	One National-Oilwell 12-P-160 1600 hp, Triplex pump driven by two GE 752 DC traction motors, rated to 5,000 psi with plungers and high pressure liners
Solids control	Six Swaco ALS shale shakers

Propulsion System

Two azimuthing thrusters rated at 2,990 BHP each

Storage Capacities

Liquid mud	1,647 bbls.
Base oil	3,711 bbls.
Brine	2,016 bbls.
Bulk material	9,555 cu. ft.

Power Equipment

DC	SCR, eight Siemens 720 v DC, 1,200 amp
Main Power	Four Nohab F 312 v with maximum continuous power 2,652 hp with four Siemens 1,808 kw AC generators, four Sundberg AB Transformers 1,200 kva, three Sundberg AB Transformers 875 kva
Emergency Power	MAN/D2542 MLE 401 kw

Subsea Equipment

Riser	1,200 ft. of Regan FC 8, 21 in. O.D. riser
Tensioners	Eight 80,000 lb. NL Shaffer Riser tensioners with 50 ft. line travel and four 16,000 lb. NL Shaffer Guideline Tensioners with 40 ft. line travel

BOP Equipment

Diverter system	Regan KFDS-3, 23" nominal size diverter with Regan type DR-1 ball joints
18-3/4 in.	Two double Shaffer SLX 15,000 psi double ram type preventor, one annular preventor shaffer 10,000 psi, one annular preventor Shaffer 5,000 psi

Cranes

Two Liebherr cranes, 120 ft. booms, rated at 33 short tons at 31 ft. radius

One Liebherr crane, 80 ft. boom rated at 55 short tons at 31 ft radius

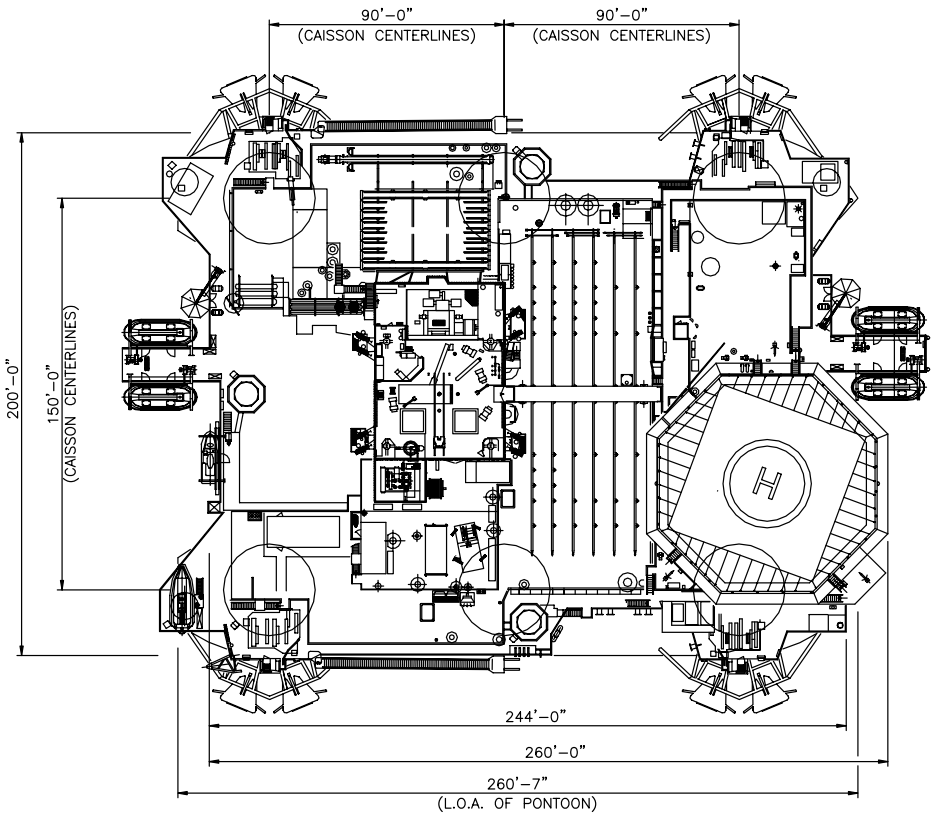
Mooring System

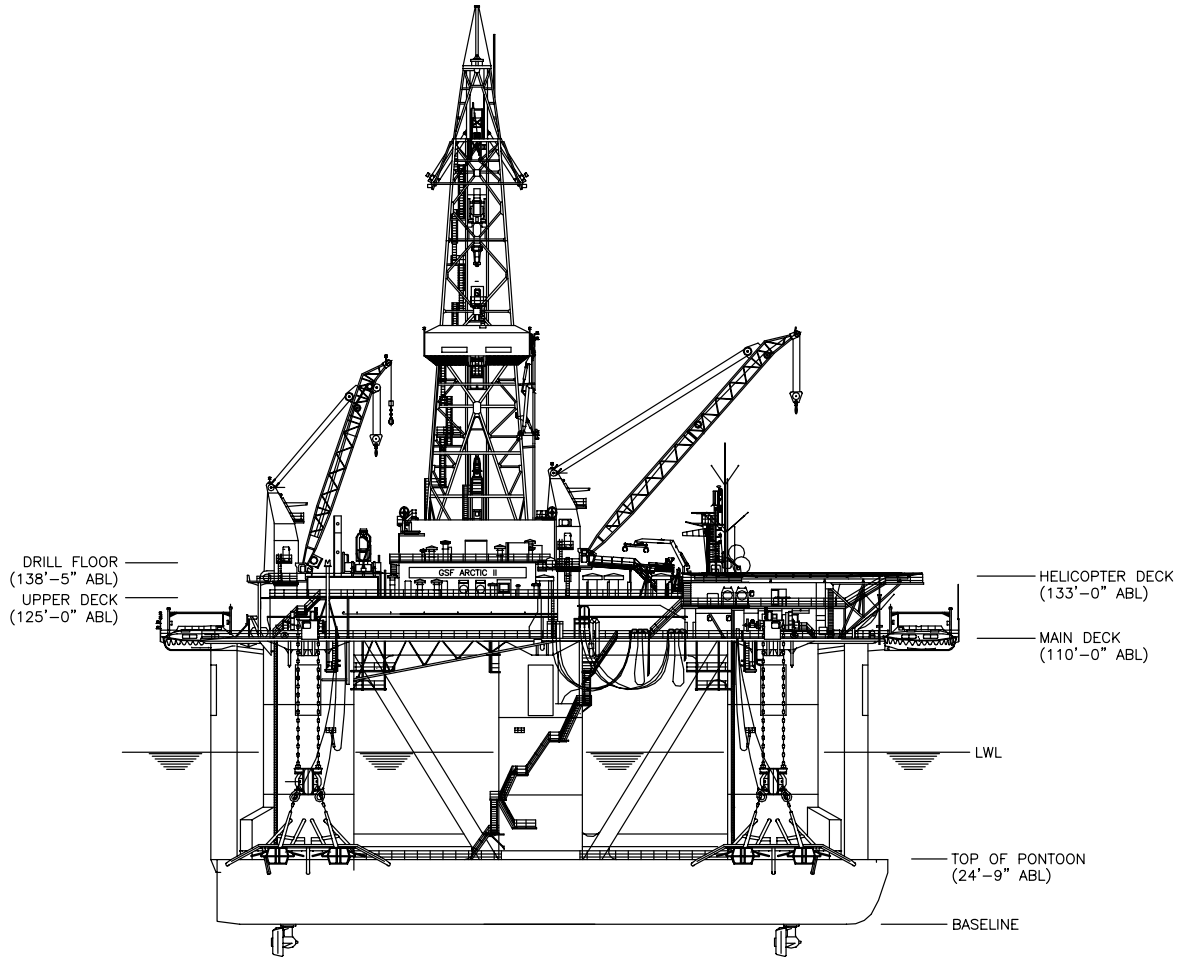
Four double winches Norwinch / 2A-76-2 E1-hydraulic with eight anchor chains consisting of 4,264 ft. of 3 in. K4 and eight Stevin MK 3, 16.5 st anchors

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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