

GSF Arctic III

1,800 Foot Semisubmersible

General Description

Design ..... Friede & Goldman L-907

Dimensions ..... 236 x 208 ft. (main deck)

Normal operating draft ..... 68 ft.

Towing draft ..... 25 ft.

Maximum variable load (drilling) ..... 7,840 kips

Quarters capacity ..... 94 persons

Operating water depth ..... 1,800 ft.

Drilling Equipment

Derrick	195 ft. x 40 ft. Dreco, with a static hook load capacity of 1,400,000 lbs. with fourteen lines
Drawworks	National-Oilwell E3000, 3,000 hp, driven by three GE 752 DC motors, with drum brake and an Elmagco 7820 Eddy Curr battery brake
Rotary table	National-Oilwell, 49-1/2 in. independently driven by GE 752 electric motor, two speed gear box
Top drive	Varco TDS-4H, 650 short tons, continuous drilling torque rating 43,300 ft.-lbs., with a Varco PH-85 pipe handler
Motion compensator	NL Shaffer 300 short tons in line motion compensator with 25 ft. stroke, 300 short tons compensating, 750 short tons locked
Mud pumps	Three National-Oilwell A-1700-PT, 1,600 hp triplex pumps each driven by two GE 752 DC traction motors, rated to 5,000 psi
Solids control	4 x Thule VSM 300 shale shakers, one Wellco 5200 degasser, one GMDC designed mud/gas separator with 10 in. vent line

Propulsion System

Two in line propellers with fixed KORT nozzles, 2,000 BHP per shaft

Storage Capacities

Liquid mud	2,222 bbls.
Base oil	2,450 bbls.
Brine	2,540 bbls.
Bulk material	15,525 cu. ft.

Power Equipment

DC	Seven Ross Hill SCR units, each rated at 2100 amps
Main Power	Two EMD 16-645E9B 16 cyl diesel engines, 2,925 bhp; two EMD 12 cyl diesel engines, 2,305 bhp; each driving EMD AB20-6 2625 kva,600 vac generators
Emergency Power	One turbo charged Detroit Diesel 16V-149 GDT-825 rated at 1,400 hp driving a 825 kw, 480 vac generator

Subsea Equipment

Riser	2,000 ft. of Cameron RD21, 21 in O.D. riser
Tensioners	Eight 80,000 lb. Riser tensioners with 50 ft. line travel and four NL Shaffer 16,000 lb. Guideline tensioners with 40 ft. line travel

BOP Equipment

Diverter system	Regan KFDS, 24" nominal size diverter with Regan type DR-1 ball joint
18-3/4 in. system	Two Cameron Type "D" 10,000 psi annular preventers and two Cameron U-II 15,000 psi double ram preventers

Cranes

Two Liebherr BOS 80/1000 cranes, 120 ft. booms, rated for 77 short tons at 33 ft. radius and one Liebherr BOS 80/1000 crane, 80 ft. boom rated for 88 short tons at 33 ft. radius

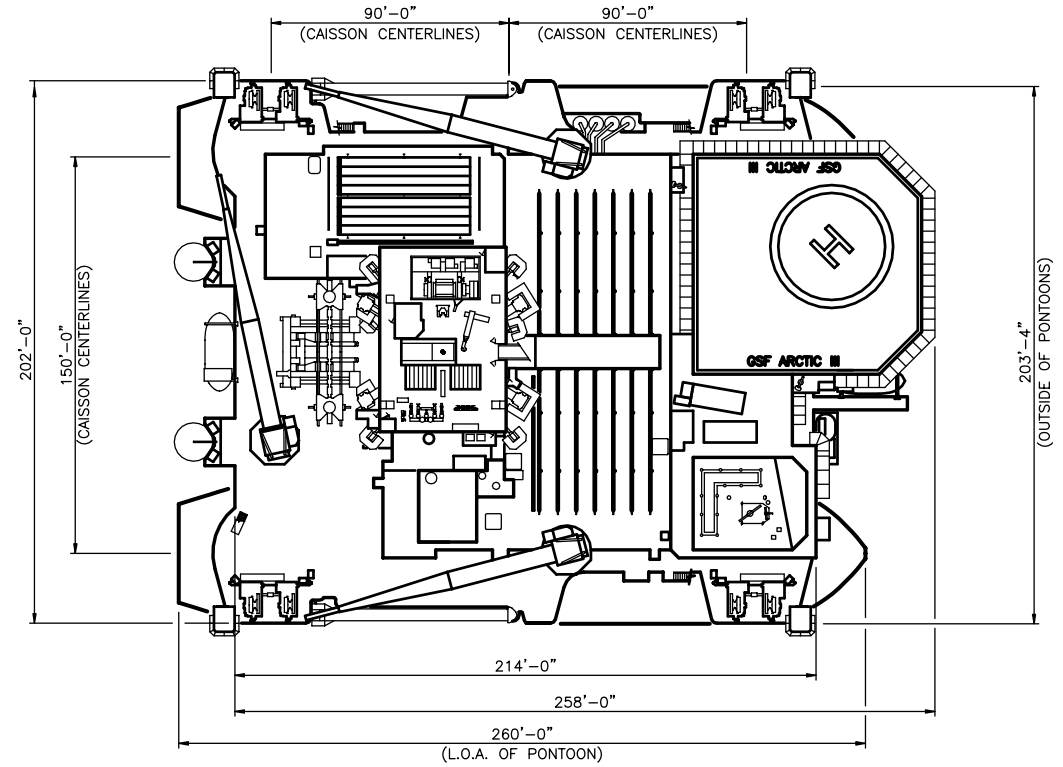
Mooring System

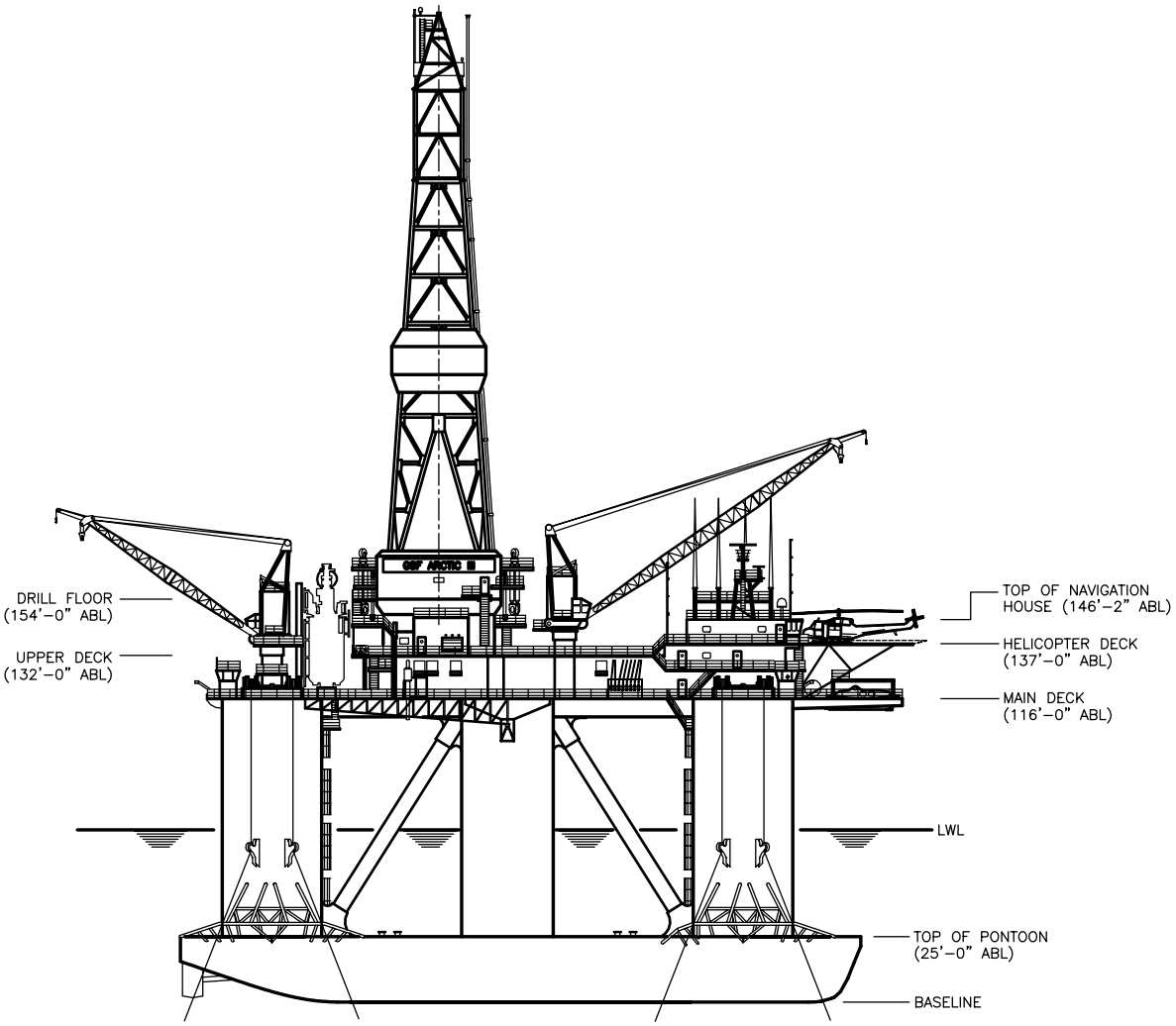
Four Skagit WMD-48 double wildcats with eight anchor chains consisting of 5,100 ft. x 3 in. K-4 and eight Bruce TS 26,500 lb. anchors

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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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