

GSF Grand Banks

1,500 Foot Semisubmersible

General Description

Design	Aker H-3.2
Dimensions	253 x 223 ft. (main deck)
Normal operating draft	72 ft.
Towing draft	23 ft
With thrusters	36 ft
Maximum variable load (drilling)	6,282 st
Quarters capacity	120 persons
Operating water depth (as outfitted)	1,500 ft.

Drilling Equipment

Derrick	160 ft. x 40 ft. DSI, with a dynamic hook load capacity of 1,300,000 lbs. with twelve lines
Drawworks	National-Oilwell 1625 DE, 3,000 hp, driven by three GE 752 DC motors, with a Baylor 7838 auxiliary electric brake
Rotary table	National-Oilwell C-495, 49-1/2 in., driven by an independent GE 752 DC Motor, two speed gear box
Top drive	Maritime Hydraulics DDM-650-HY-C-350-H, 650 short tons, continuous drilling torque rating 60,000 ft.-lbs at 140 rpm.
Motion compensator	Maritime Hydraulics CMC Type CBC 770-20 Compensator , 300 short tons with 20 ft. stroke
Mud pumps	Three National-Oilwell 12-P-160 triplex pumps each driven by two GE 752 DC motors, rated at 5,000 psi
Solids control	5 x Thule VSM 300 Shale Shakers, one outfitted as mud cleaner with 3 each 10” cones and 24 each 4” cones, one Swaco degasser, one Mud/Gas separator with 10 in. vent line.

Propulsion System

Two Pleuger azimuthing controllable pitch thrusters type MWVS-D290-3000, each rated at 3,000 bhp

Storage Capacities

Liquid mud	2,464 bbls.
Base oil	2,266 bbls.
Brine	2,266 bbls.
Bulk material	19,800 cu. ft.

Power Equipment

DC	Eight IPS SCR units each rated at 1,650 kw
Main Power	Four Bergen 12 cyl diesel engines rated at 2,582 bhp each driving a GE AT1, 1,805 kw, 600 vAC generator
Emergency Power	One Caterpillar 3412 providing 575 bhp, 400 kw

Subsea Equipment

Riser	1,500 ft. of Cameron RD 21in O.D. riser
Tensioners	Eight 80,000 lb. Rucker Shaffer Riser tensioners with 50 ft. line travel and four Rucker Shaffer 16,000 lb. Guideline tensioners with 40 ft. line travel

BOP Equipment

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

Cranes

One Wolfkran Heilbronn, 130 ft. boom, rated for 55 short tons at 53 ft. radius; one National Oilwell Model 72DNS-130-2.5 with 130 ft. boom rated at 55 s.tons at 74 ft. radius

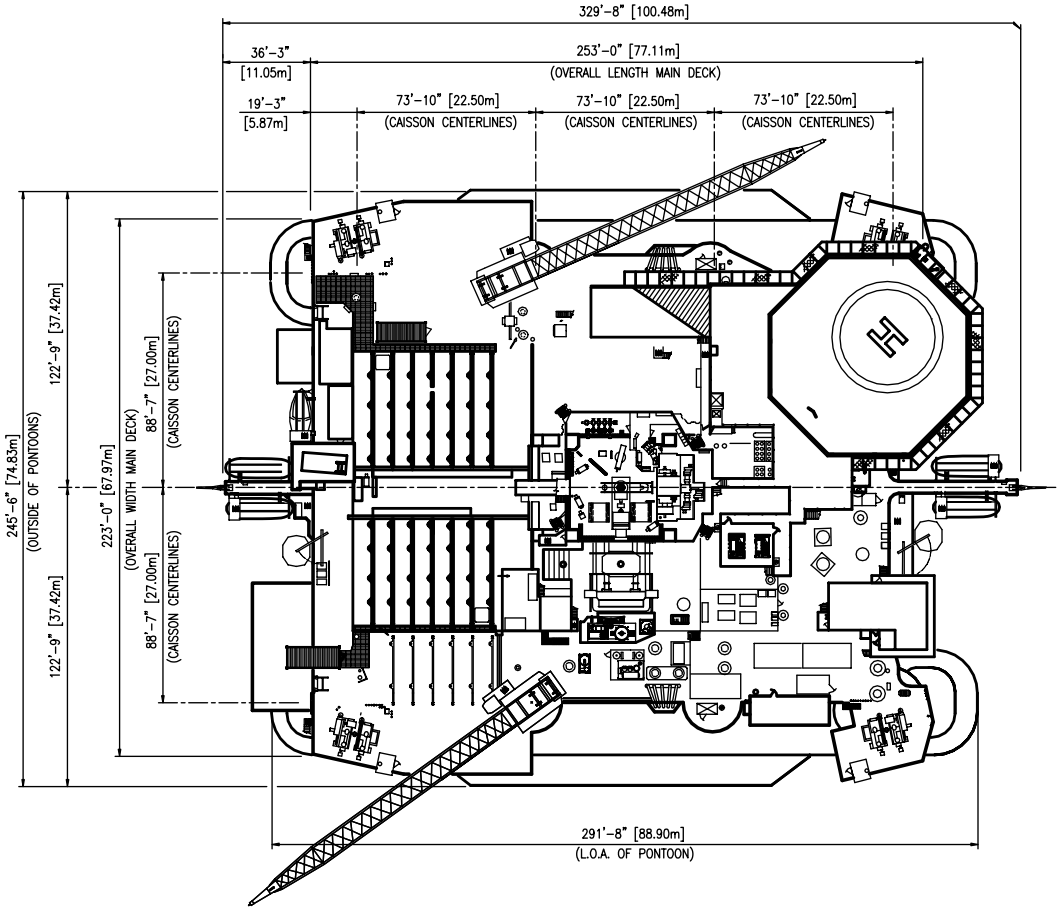
Mooring System

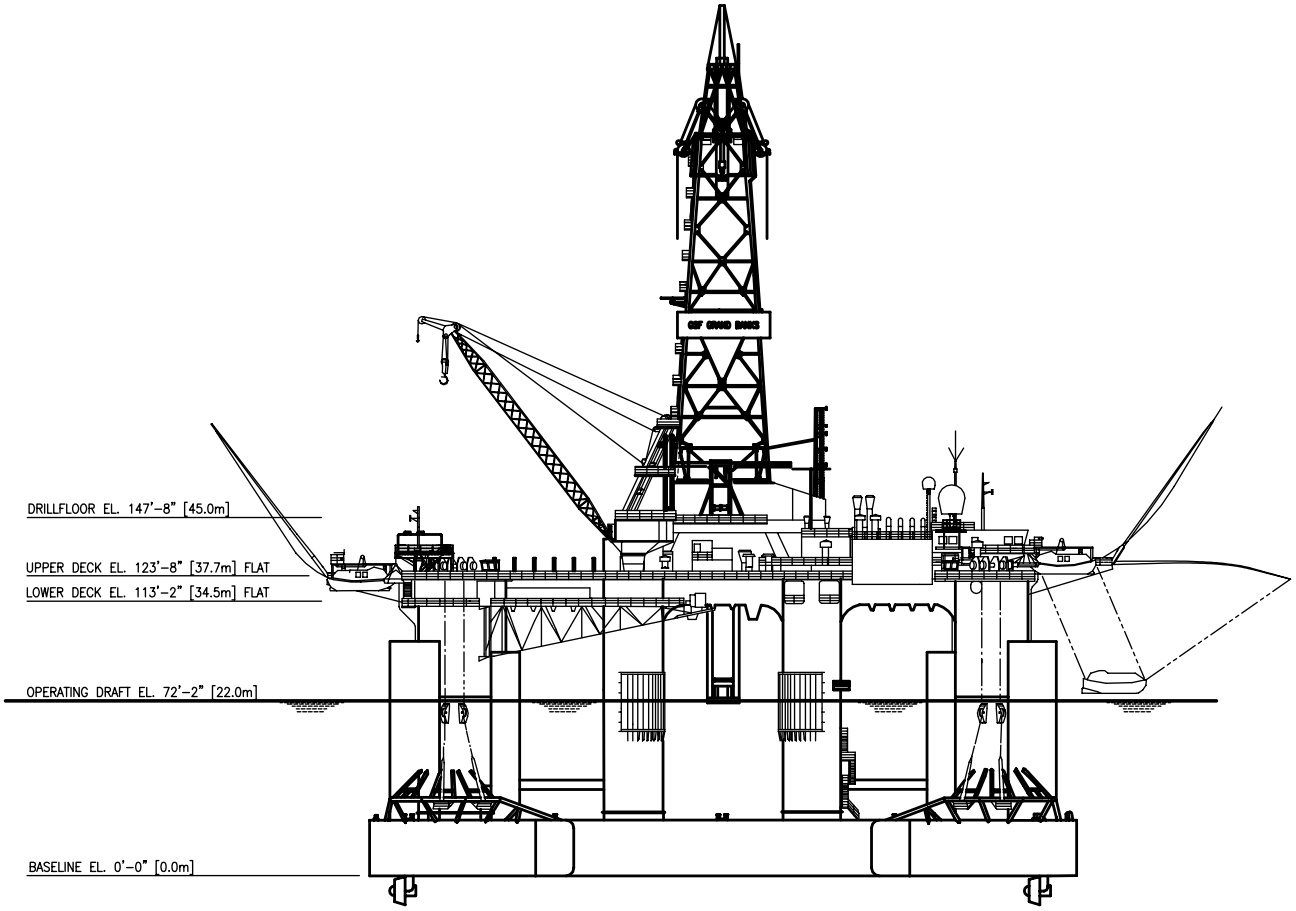
Eight Skagit WMD-48 Electric windlasses with band and hydromatic brakes; eight mooring lines consisting of 4,800 ft. x 3 in. K-4 anchor chains; eight 12mt Stevin MK III anchors

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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