

GSF Rig 140

2,400 Foot All-Weather, Twin-Hulled Semisubmersible Drilling Vessel

General Description

Design ..... Friede & Goldman Series 9500 Enhanced Pacesetter

Dimensions ..... 270 ft. by 203 ft. by 116 ft.

Normal operating draft ..... 65 ft.

Towing draft ..... 31 ft.

Maximum variable load (drilling) ..... 7,600 kips

Quarters capacity ..... 100 persons

Operating water depth (as outfitted) ..... 2,400 ft.

Operating water depth (design) ..... 2,400 ft. maximum

Drilling Equipment

Derrick	185 ft. by 40 ft. Dreco, with a static hook load capacity 1,300,000 lbs. with 14 lines (1-1/2 in. drilling line)
Drawworks	Oilwell E-3000, 3,000 hp, driven by three GE 752 DC motors, complete with Baylor 7838 electric brake
Rotary table	Oilwell A 49 -1/2 in., with independent drive using a GE 752 DC motor with 2-speed transmission
Top drive	Varco model TDS-4H, 650 ton, with a GE 752 DC hi-torque motor, rated to 45,500 ft.-lbs. continuous drilling torque in low gear, complete with a PH-85 pipehandler
Pipe handling	BJ Hughes monobeam piperacking system, complete with Varco pneumatic fingerboard and Varco AR3200 iron roughneck
Motion compensator	Shaffer 25/600, 25 ft. stroke and 600,000 lbs. passive heave compensation, with DSC control system; fitted with Active Heave Compensator for Retro-Fit to 600k Shaffer DSC
Mud pumps	Three Oilwell A-1700 PT, 1,700 hp triplex pumps, each driven by two GE 752 traction motors
Solids control	Four Thule VSM-300 linear motion shale shakers

Storage Capacities

Liquid mud	1,435 active; 2,204 reserve
Base oil	2,202 bbl.
Brine	4,055 bbl.
Bulk Material	19,017 cu. ft.

Power Equipment

DC	Five SCR units, each rated at 1800 amps, providing power to 23 GE 752 DC motors
AC	Four EMD 16-645 E8 diesel engines, 1,950 hp, each driving an EMD, 2,625 kva generator

Subsea Equipment

Riser	1,500 ft. of Vetco MRC-6C, 21 in. O.D. riser
Tensioners	Twelve Western Gear 80,000 lb. riser tensioners with 50 ft. line travel and four Western Gear 16,000 lb. guideline tensioners with 40 ft. line travel

BOP Equipment

Diverter system	Hughes KFDS, 49-1/2 in., with two 14 in. discharge lines and two 14 in. hydraulically operated ball valves
18-3/4 in. system	Two Shaffer 5,000 psi annular preventers and two Hydril 15,000 psi double ram preventers

Cranes

One Bucyrus-Erie MK-60 cranes with 110 ft. boom, rated for 30 tons at 25 ft. radius; one Bucyrus-Erie MK-100 crane with an 80 ft. boom, rated to 59 tons at 20 ft. radius; one Seatrax Series 72 Model 7728 with 130 ft. boom, rated for 54.5 tons at 50 ft. radius

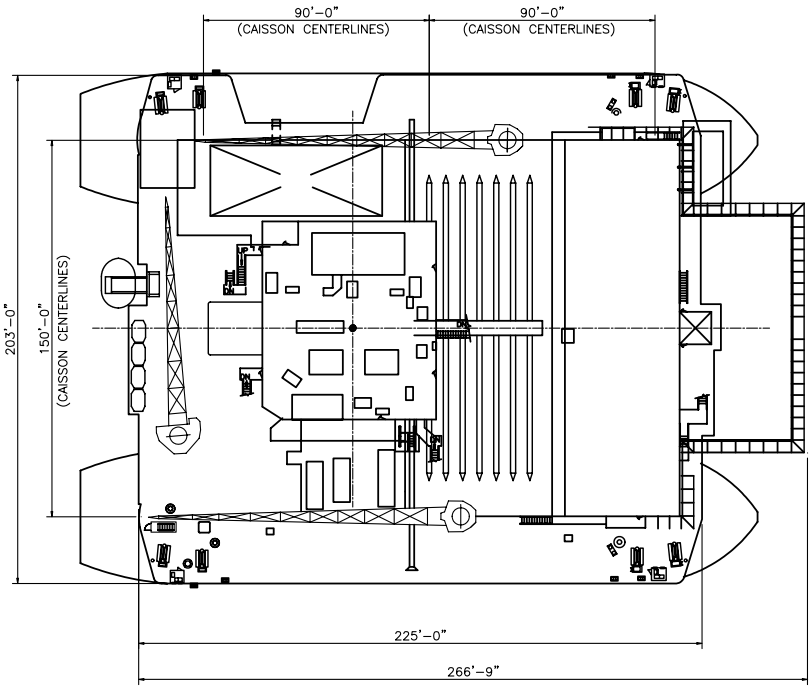
Mooring System

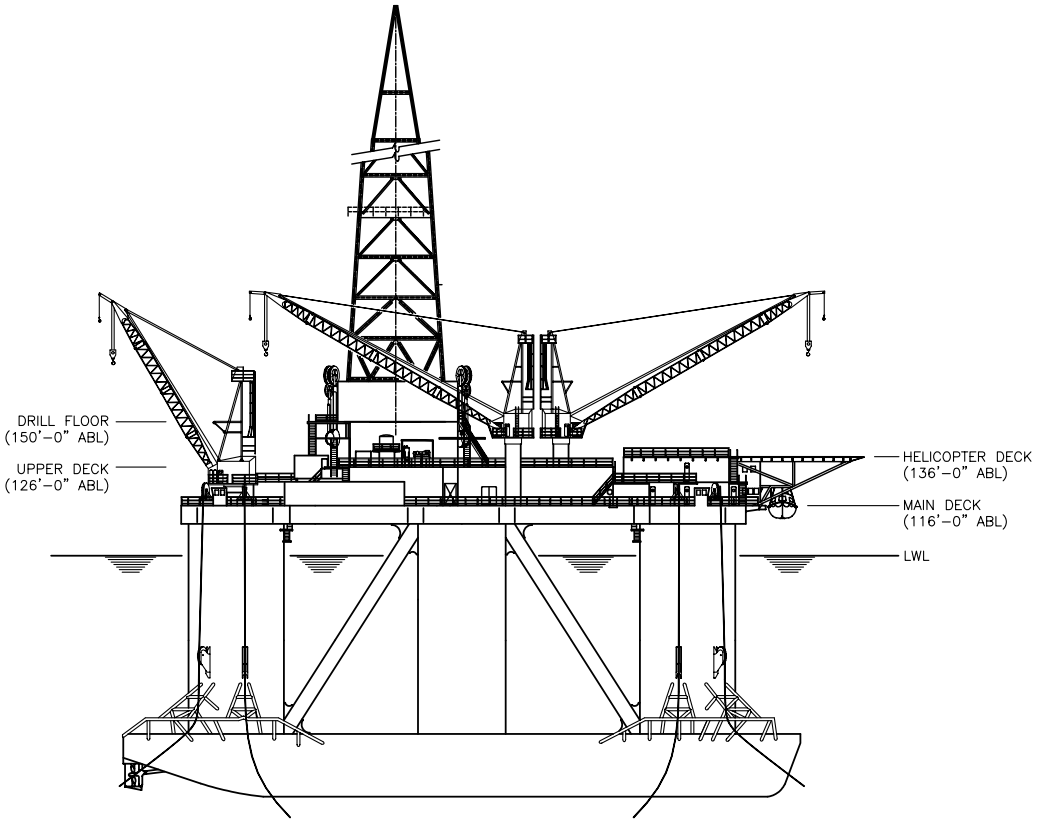
Four Intercontinental DD-350 double drum winches with 1,300,000 lbs. static brake capacity, eight mooring lines consisting of 7,500 ft. of 3-1/2 in. wireline and 240 ft. of 4-1/2 in. stud link chain, with eight Stevpris MK-5 33,000 lbs. anchors

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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