

GSF Rig 141

Jack-up Drilling Unit

General Description

Design ..... MLT 82-SD-C

Overall dimensions ..... 207 by 176 by 20 ft.

Legs (3) ..... 360 ft. long triangular

Quarters capacity ..... 88 persons

Operating water depth ..... 250 ft.

Jacking system ..... MLT electrically driven rack and pinion system

Cantilever envelope ..... 40 ft. by 20 ft.

Maximum variable load (drilling) ..... 4,336 kips*

*250 ft. WD / 50 knot wind / 30 ft. wave / 1.0 knot current

Drilling Equipment

Derrick	147 ft. by 30 ft. Emsco 20RD, with a static hook load capacity of 1,024,000 lbs. with 12 lines (1-3/8 in. drilling line)
Drawworks	Oilwell E-2000, 2,000 hp, driven by two GE 752 DC motors, complete with Baylor 7838 electric brake
Rotary table	Oilwell, 37-1/2 in., with independent drive using a GE 752 DC motor with 2-speed transmission
Top drive	National-Oilwell PS-2, 500 ton power swivel, rated to 52,485 ft.-lbs. continuous torque, in low gear
Mud pumps	Two Oilwell A-1700PT, 1,700 hp triplex pumps, each driven by two GE 752 DC traction motors
Solids control	Three Derrick shakers model 2/48-12F-4TA; one Demco Desander; one Brandt Desilter; one Brandt SMC 12 Mud Cleaner

Storage Capacities

Liquid mud	1,713 bbl., including processing tank
Bulk material	6,800 cu. ft.

Power Equipment

DC	Four GE SCR units, each rated at 1,800 amps, powering eight GE 752 DC motors
AC	Four Cat. D-399 diesel engines, 1,215 hp, driving four Kato 1,319 kva generators

BOP Equipment

Diverter system	29-1/2 in. Hydril MSP 500 psi, with 2 x 16 in. discharge lines and two 16 in. hydraulically operated ball valves
13-5/8 in. system	One Hydril GK 5,000 psi annular preventer; one Cameron type U, 10,000 psi double ram preventer; and one Cameron type U 10,000 psi single ram preventer

Cranes

Three MLT RD-120-AS cranes: 2 each 100 ft. booms, rated for 50 st (100 kips) at 24 ft. radius, 1 each 120 ft. foom, rated for 42.6 st (85 kips) at 28 ft. radius

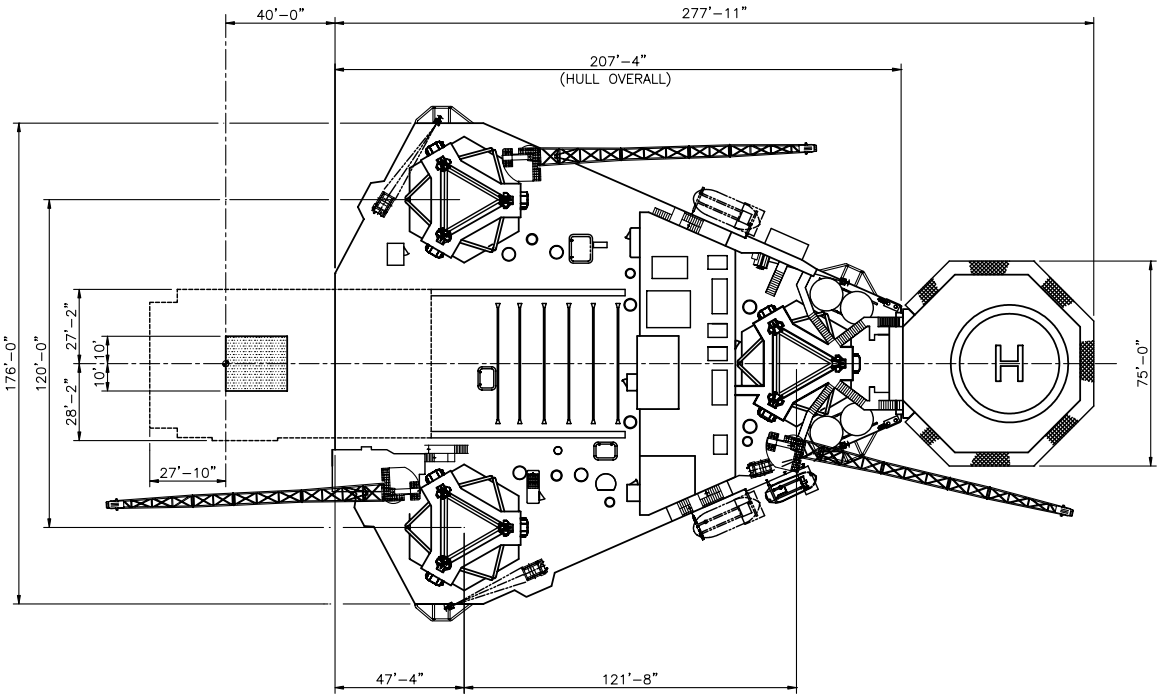
Special Features

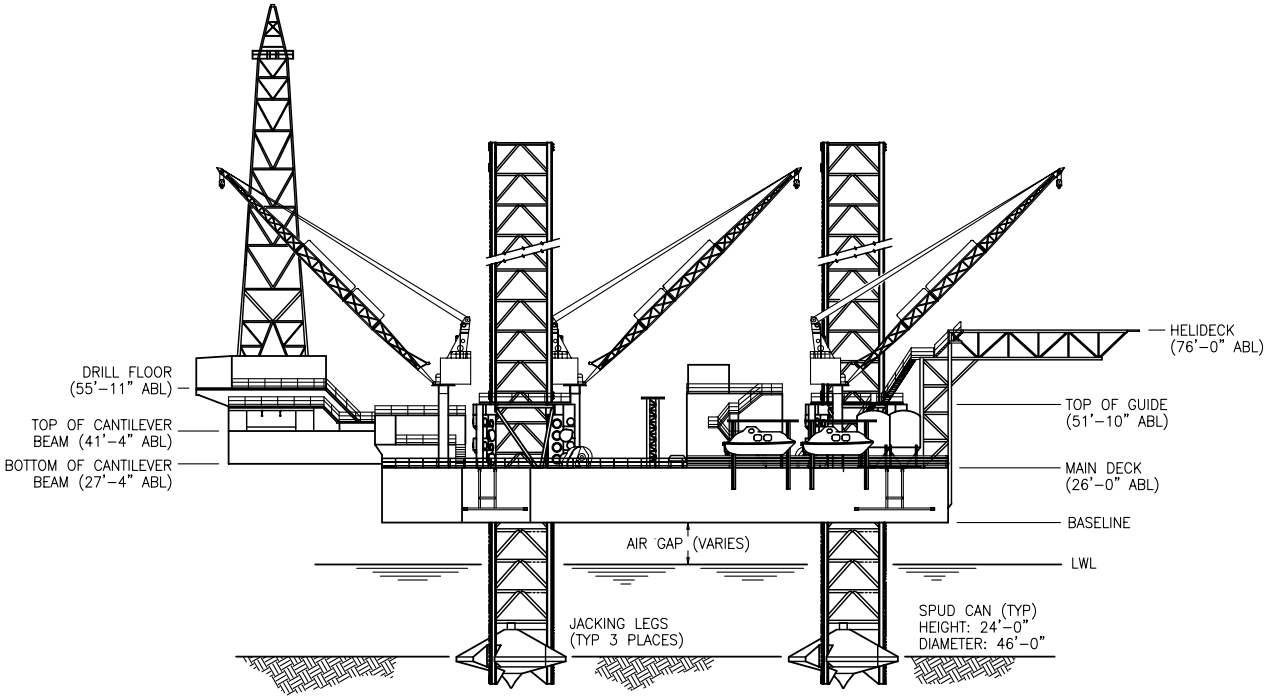
Shallow draft	The rig is designed to move and operate in water depths as shallow as 11.5 ft.

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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