

GSF Galveston Key

Jack-up Drilling Unit

General Description

Design ..... MLT 116-C

Overall dimensions ..... 247 by 200 by 26 ft.

Legs (3) ..... 410 ft. long square

Quarters capacity ..... 120 persons

Operating water depth ..... 300 ft.

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

Cantilever envelope ..... 45 ft. by 30 ft. with added extension 52 ft. x 24 ft., with ability to drill in both cantilever and slot position

Maximum variable load (drilling) ..... 7,780 kips*

*300 ft. WD; 70 knot wind; 30 ft. wave; 1.5 knot current

Drilling Equipment

Derrick	170 ft. by 30 ft. MH-Pyramid, with a static hook load capacity of 1,300,000 lbs. with 12 lines (1-1/2 in. drilling line)
Drawworks	Emsco C-3, 3,000 hp, driven by two GE 752 DC motors, complete with Elmago 7838 electric brake
Rotary table	Emsco 3750, with independent drive using a GE 752 DC motor with 2-speed transmission
Top drive	National-Oilwell PS2 650/750 power swivel. Maximum torque low gear 53,924 ft.lbs.; high gear 26,200 ft.lbs.
Mud pumps	Three Emsco FB 1600, 1,600 hp triplex pumps, each driven by two GE 752 DC traction motors
Solids control	Four Thule VSM 300 linear motion shakers

Storage Capacities

Active liquid mud	2,135 bbl.
Reserve liquid mud	1,100 bbl. maximum (weight dependent)
Base oil	1,280 bbl.
Brine	2,000 bbl.
Bulk material	10,400 cu. ft.

Power Equipment

DC	Four Ross Hill SCR units, each rated at 1,500 amps, powering eight GE 752 DC motors
AC	Four Cat. 3516B diesel engines, 1,840 hp, driving four 1,400 kva generators

BOP Equipment

Diverter system	Hughes KFDJ 500 psi fixed diverter, 37-1/2 in., with 16 in. discharge lines and two Demco 16 in. hydraulically operated ball valves
21-1/4 in. system	One Hydril type MSP 2,000 psi annular preventer, one Shaffer type LWS 2,000 psi double ram preventer and one Cameron type U 2,000 psi single ram preventer
13-5/8 in. system	One Hydril type GL 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

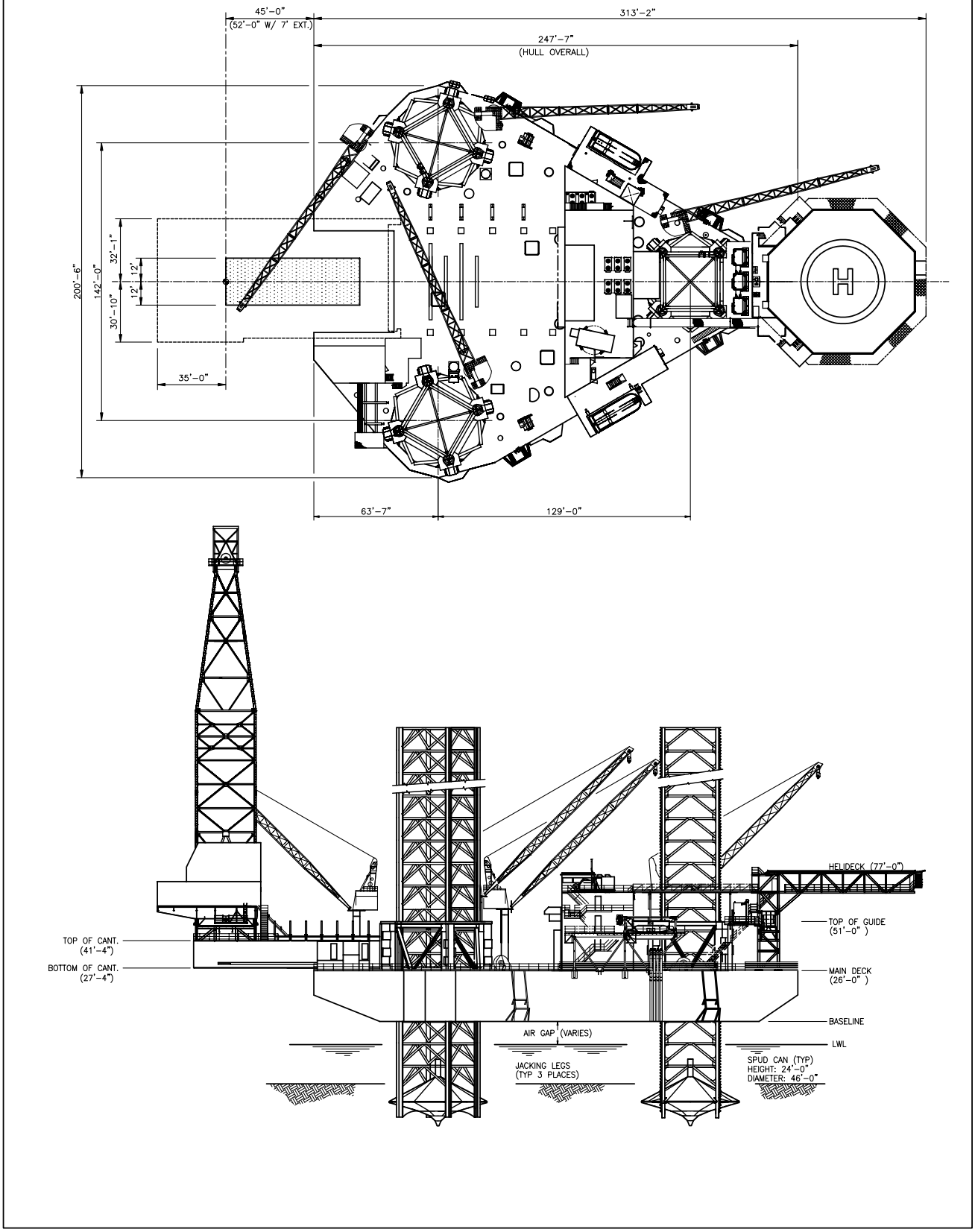
Cranes

Four MLT RD-120 AS cranes with 100 ft. booms, rated for 50 tons at 24 ft. radius

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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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