

GSF Key Manhattan

Jack-up Drilling Unit

General Description

Design ..... MLT 116-C

Overall dimensions ..... 243 by 200 by 26 ft.

Legs (3) ..... 477 ft. long square

Quarters capacity ..... 100 persons

Operating water depth ..... 350 ft.

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

Cantilevered drilling envelope ..... 45 ft. by 24 ft.

Maximum variable load (drilling) ..... 9,686 kips *

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

Drilling Equipment

Derrick	160 ft. by 30 ft. Pyramid Standard, with a static hook load capacity of 1,044,000 lbs. with 12 lines (1-1/2 in. drilling line)
Drawworks	National 1625 DE, 3,000 hp, driven by two GE 752 DC motors, complete with Elmago 7838 electric brake
Rotary table	National C- 375, with independent drive using a GE 752 DC motor with 2-speed transmission
Top drive	Varco Model TDS-3, 500 ton, with a PH-60 pipehandler, rated to 26,400 ft.-lbs. continuous drilling torque
Mud pumps	Three National 12-P-160, 1,600 hp triplex pumps, each driven by two GE 752 DC traction motors
Solids control	Three Thule VSM 100 linear motion separators and one Derrick Hi G cuttings dryer, configured to take the underflow from the desilter and act as a mud cleaner or fourth shaker as operations require

Storage Capacities

Liquid mud	2,023 bbl., including processing tank
Base oil	1,250 bbl.
Bulk material	8,600 cu. ft.

Power Equipment

DC	Four Baylor SCR units, each rated at 1,400 amps, powering eight GE 752 DC motors
AC	Three EMD 16-645-EB diesel engines, 2,200 hp, driving three EMD 2.625 kva generators
Emergency Generator	One Caterpillar D-3412, 320 Kw

BOP Equipment

Diverter system	Hydril MSP 500 psi, 29-1/2 in., with 16 in. discharge lines and two 16 in. hydraulically operated ball valves
21-1/4 in. system	One Hydril type MSP 2,000 psi annular preventer and one Cameron type U 2,000 psi double ram preventers
13-5/8 in. system	One Hydril GK 5,000 psi annular preventer, two Cameron type U 10,000 psi double ram preventer

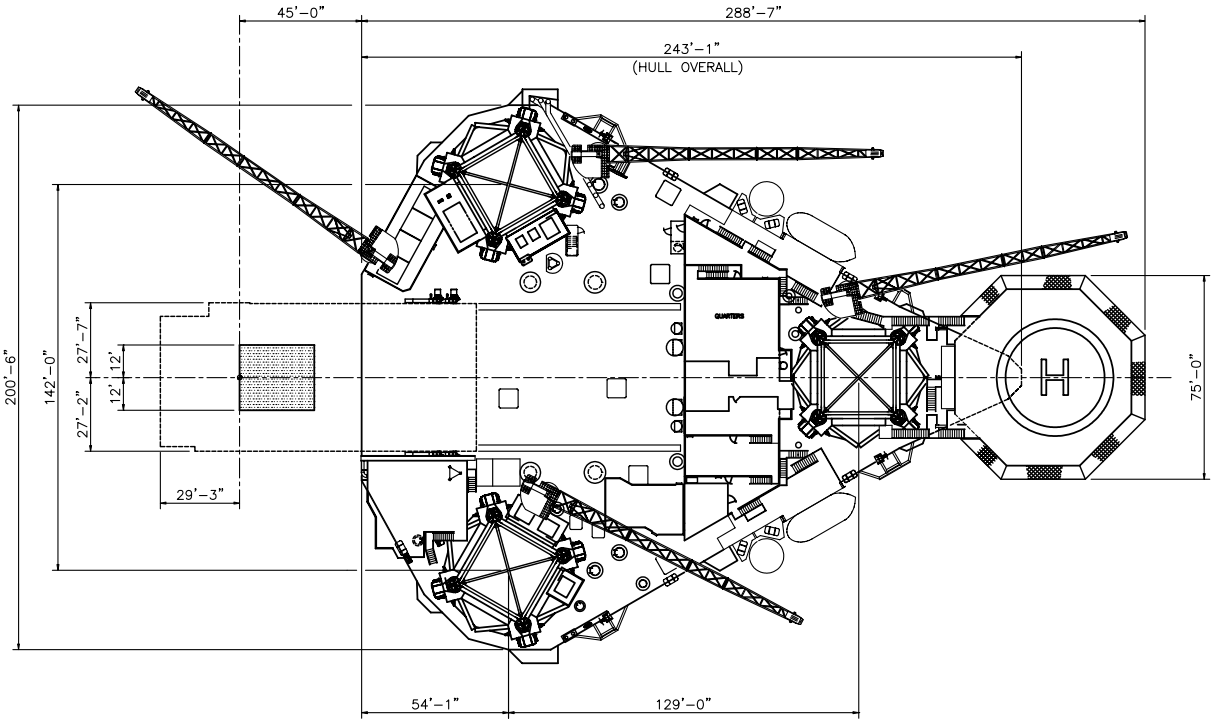
Cranes

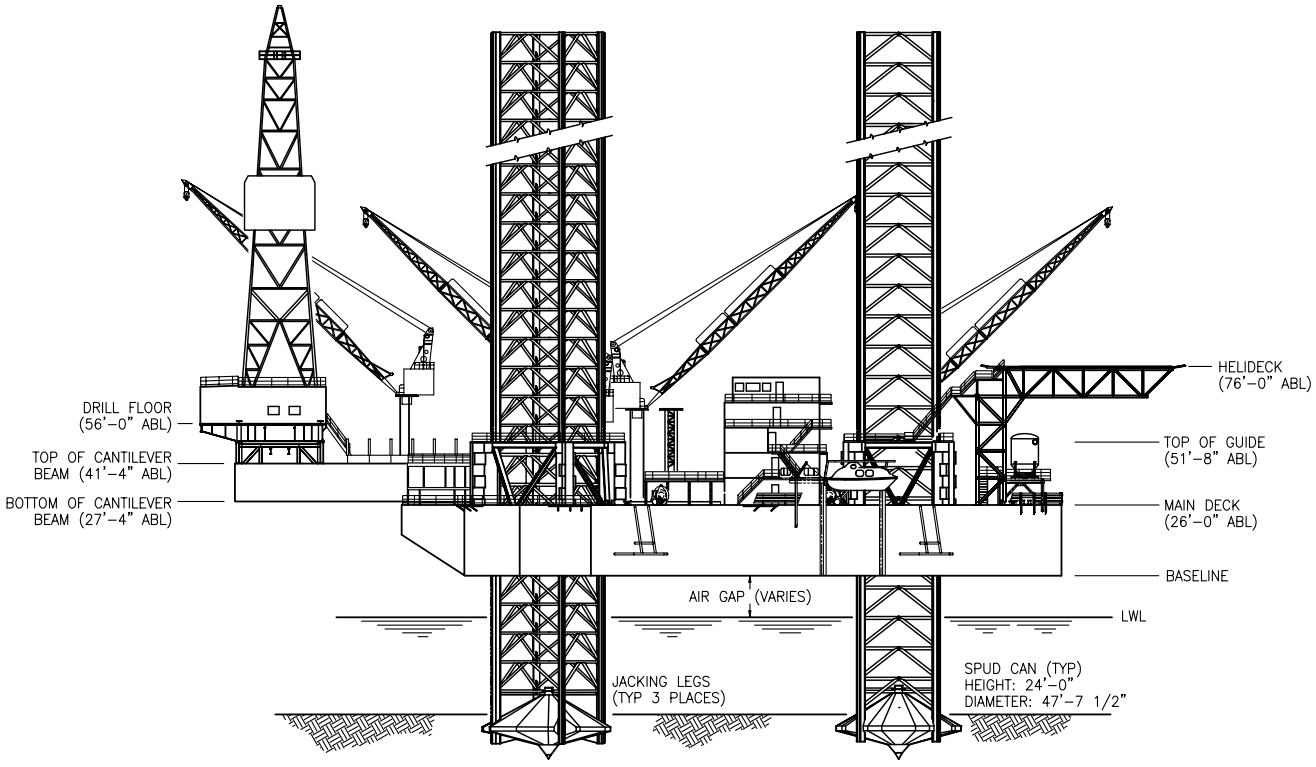
Four MLT PCM-120 AS cranes with 100 ft. booms, rated for 50 tons at 24 ft. radius

GlobalSantaFe

Inquiries should be directed to the Marketing Department

Houston 15375 Memorial Drive Houston TX 77079-4101 (281) 925-6000 Fax (281) 925-6010





GSF KEY MANHATTAN

R-APR-03

GlobalSantaFe

Inquiries should be directed to the Marketing Department

Houston 15375 Memorial Drive Houston TX 77079-4101 (281) 925-6000 Fax (281) 925-6010