Ron Tappmeyer

300 Foot Jack-Up Drilling Unit

General Description

Design ..... Marathon LeTourneau 116-C

Year Built 1978

Hull Dimensions ..... 243 ft. x 200 ft. x 26 ft.

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

Quarters Capacity ..... 116 persons

Maximum Water Depth ..... 300 ft.

Cantilever Envelope ..... 45 ft. by 24 ft.

Maximum Variable Load (drilling) ..... Approx. 5,000 kips*

**depending on water depth and geographical location*

Drilling Equipment

Derrick	Pyramid 147 ft. x 30 ft. x 30 ft., static hook load capacity of 1,000,000 lbs. with twelve (12) 1-1/2 in drilling lines
Drawworks	Oilwell E-3000, driven by two (2) EMD D-79-MB DC motors 1,000 HP each
Rotary Table	Oilwell A37, 37-1/2 in. opening, rated to 650 short tons and driven by an independent 800 HP DC electric motor with two speed gear box
Top Drive	Varco TDS-4S, 650 short tons, maximum continuous torque 45,500 ft.lbs., with a Varco PH-85 pipe handler
Pipe Handling	NOV ST-80, for handling tubular ranging from 4-1/2 in. to 8-1/2 in OD tubular
Mud Pumps	Two (2) National 12-P-160, 1,600 HP triplex pumps each driven by two (2) EMD D-79-MB DC motors, rated to 5,000 psi working pressure

Storage Capacities

Liquid Mud	1,830 bbls. (including slug pit)
Drill Water	5,300 bbls.
Fuel	3,120 bbls.
Bulk Mud	4,000 cu.ft.
Bulk Cement	4,000 cu.ft.

Power Equipment

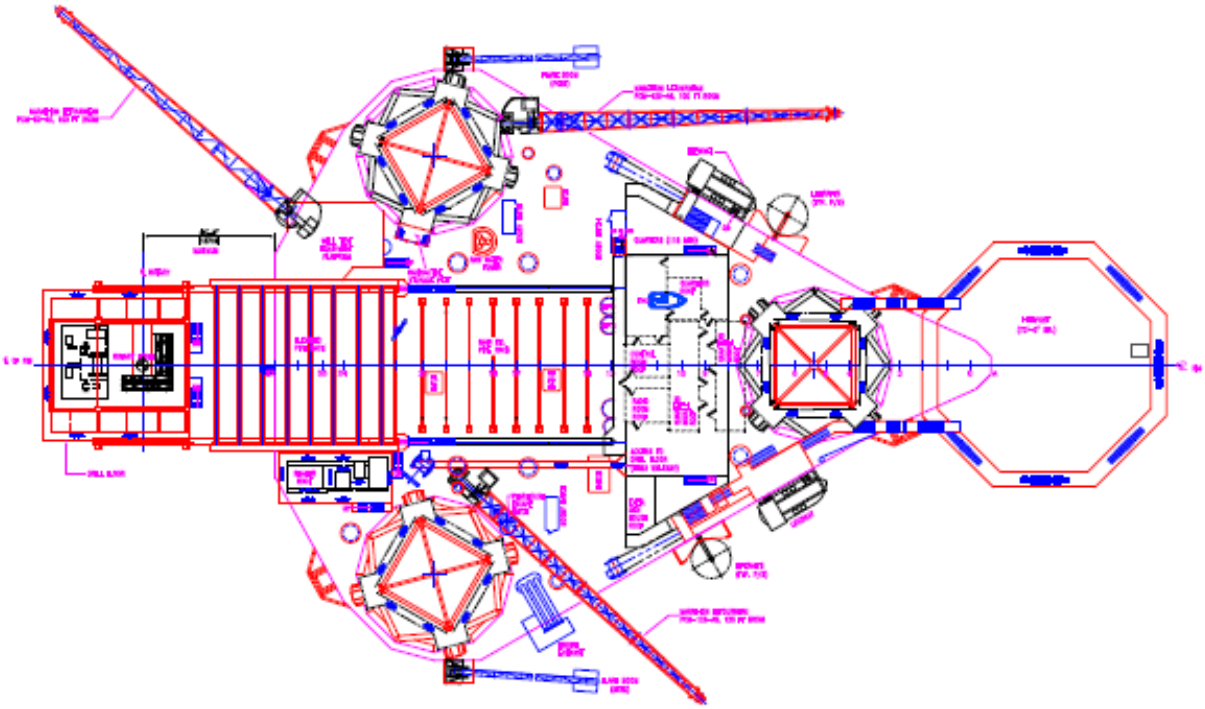
Main Power	Three (3) EMD 16-645-E8 diesel engines, each rated at 2,200 HP continuous power at 900 rpm, driving EMD A20-N6 1,050 kW 600 volts AC generators
Power Dist.	Four (4) Ross Hill SCR units Model 1600 1,800 amps 600 V DC.

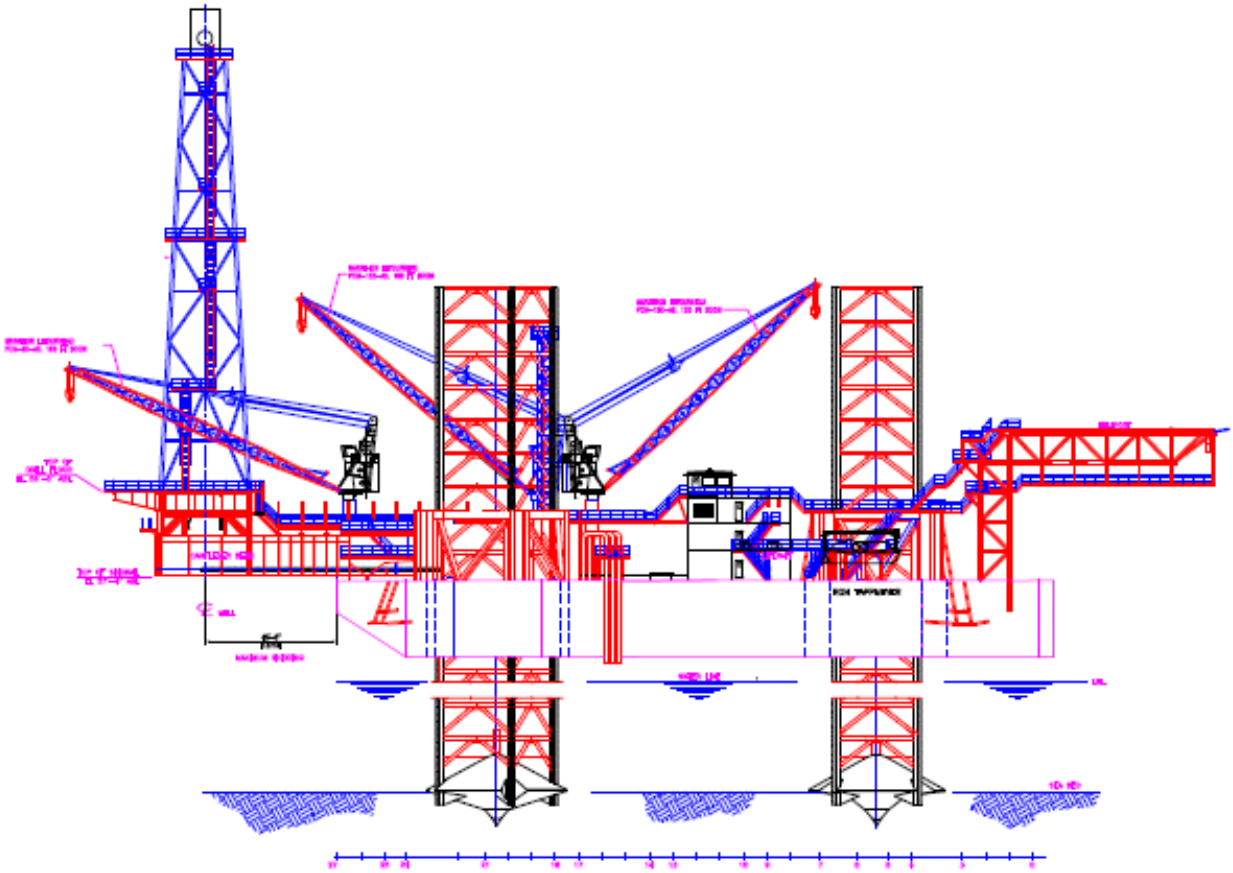
Well Control Equipment

Diverter	Hydril MSP 29-1/2 in. diverter rated 500 psi with two (2) 12 in. discharge lines and Demco ball valves
BOP Stack	One (1) Cameron 13-5/8 in. 10,000 psi WP Type U double ram preventer; one (1) Cameron 13-5/8 in. 10,000 psi WP Type U single ram preventer; one (1) Hydril GK 13-5/8 in. 5,000 psi WP annular preventer
BOP Handling	Two (2) J.D. Neuhaus BOP hoist system 25 short tons each

Cranes

Three (3) Marathon LeTourneau PCM-120-AS cranes, 100 ft. booms, rated for 45 short tons at 25 ft. radius.





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SHELF DRILLING