



Randolph Yost 300 Foot Jack-Up Drilling Unit

General Description

Design	Marathon LeTourneau 116-C
Year Built	1979
Hull Dimensions	243 ft. x 200 ft. x 26 ft.
Spud Can Diameter	46 ft.
Legs (3)	410 ft. long square
Quarters Capacity	118 persons
Maximum Water Depth	300 ft.
Cantilever Envelope	45 ft. by 24 ft.
Maximum Variable Load (drilling)	Approx. 4,800kips*

**depending on water depth and geographical location*

Drilling Equipment

Derrick	Pyramid 160 ft. x 30 ft. x 30 ft., with a static hook load capacity of 1,000,000 lbs. with twelve (12) lines
Drawworks	Oilwell E-3000, 1,600 HP driven by two (2) EMD D-79-MB DC motors, and outfitted with a Baylor 7838 auxiliary electric brake
Rotary Table	Oilwell A37, 37-1/2 in. opening driven by an independent 800 HP DC motor with two speed gear box
Top Drive	Varco TDS-4S, 650 short tons, 1,150 HP motor, maximum continuous drilling torque 50,900 ft.lbs., outfitted with a Varco PH-85 pipe handler
Mud Pumps	Two (2) Oilwell A-1700PT, 1,600 HP triplex pumps each driven by two (2) EMD D-79-MB 800 HP DC motors, rated to 5,000 psi working pressure
Solids Control	Four (4) MI Swaco Mongoose Pro linear motion shale shakers; one (1) Brandt King Cobra 24/3 desander with 3 x 12 in. cones; one (1) Brandt King Cobra 24/3 desilter with 24 x 4 in. cones.

Storage Capacities

Liquid Mud	1,692 bbls
Drill Water	10,814 bbls
Base Oil	702 bbls
Potable Water	1,283 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 rated 1,950 HP at 900 rpm, driving three (3) EMD A20-N6 2,100 kW 600 volt AC generators
Power Dist.	Four (4) Ross Hill SCR units 1,800 amps 750 V DC.

Well Control Equipment

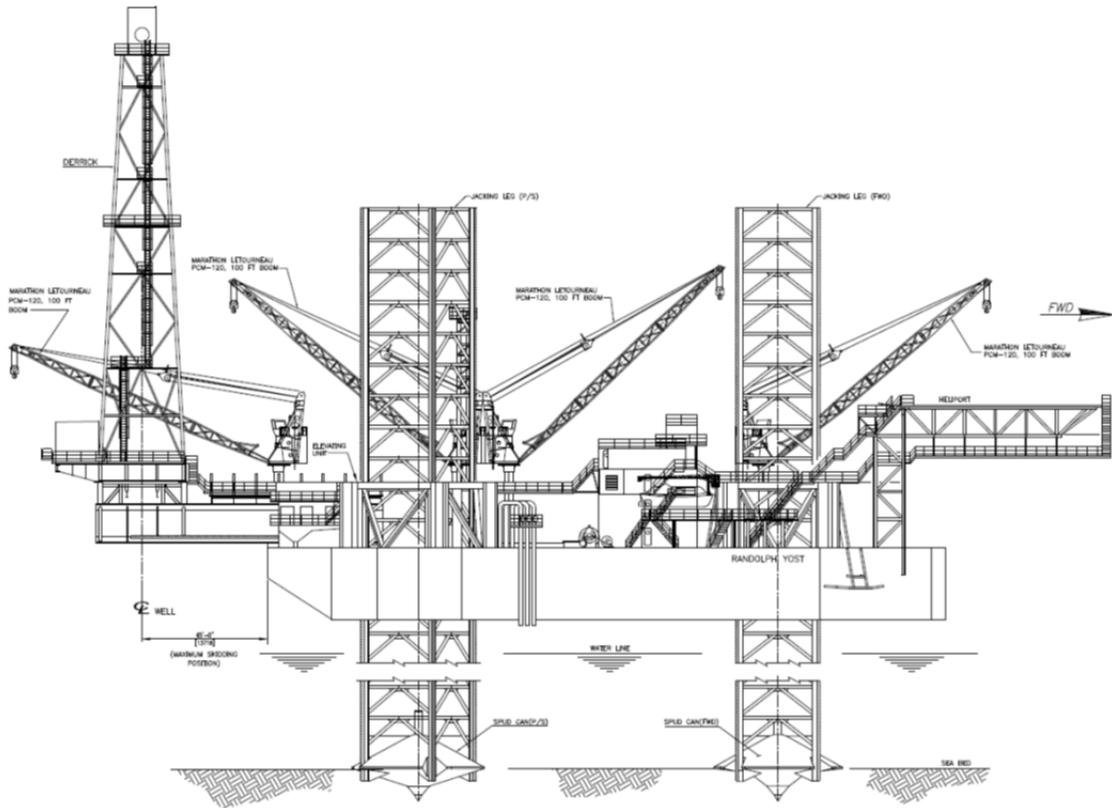
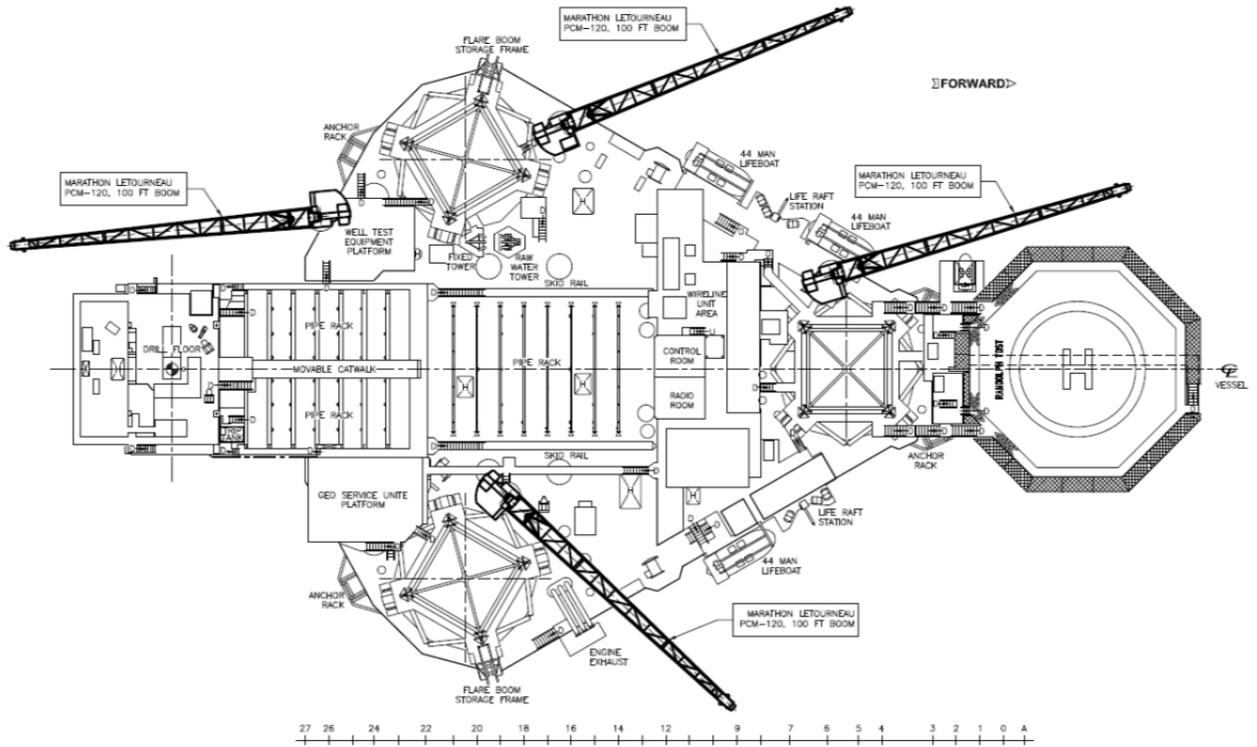
Diverter	Hydril MSP 29-1/2 in. diverter rated 500 psi with two (2) 12 in. discharge lines and Demco ball valves
BOP Stack	One (1) Cameron 13-5/8 in. 10,000 psi WP Type U double ram preventer; one (1) Cameron 13-5/8 in. 10,000 psi WP Type U single ram preventer; one (1) Hydril GK 13-5/8 in. 5,000 psi WP annular preventer
BOP Handling	Two (2) Beebe Hercu-Link BOP hoist system 27 short tons each

Cranes

Four (4) Marathon LeTourneau PCM-120 cranes, 100 ft. booms, rated for 50 short tons at 24 ft. radius.

Special Features

A coring moonpool with 15" inside diameter and an annulus flooding system to deliver 1,200 GPM of seawater are available.
Conductor Tensioning System rated to 100 kips is available.



ELEVATION 4A SURVIVAL PIPING SCALE: NTS

Randolph Yost

R-Apr-2015



These specifications are intended for general reference purposes only, as actual equipment and specifications may vary based upon subsequent changes, the contract situation and customer needs. All equipment shall be operated and maintained at all times, in compliance with Shelf Drilling policies and procedures, and within its stated operational limits or continuous rated capacity, in order to assure maximum operational efficiency.