



Key Hawaii 300 Foot Jack-up Drilling Unit

General Description	
Design.....	Mitsui 300 C
Year Built / Last Upgrade.....	1983 / 2004
Hull Dimensions.....	221 ft. x 194 ft. x 24 ft.
Legs (3).....	410 ft. long square
Quarters Capacity	110 persons
Maximum Water Depth	300 ft.
Cantilever Envelope	45 ft. by 24 ft.
Maximum Variable Load (drilling)	Approx. 9,000 kips*
<i>*depending on water depth and geographical location</i>	

Drilling Equipment	
Derrick	Pyramid 160 ft. x 30 ft. x 30 ft. with a static hook load capacity of 1,044,000 lbs. with 12 lines (1-1/2 in. drilling line)
Drawworks	National 1625 DE, 2,000 HP driven by two (2) GE 752 DC motors, outfitted with Baylor 7838 electric brake
Rotary Table	National C-375, with independent drive using a GE 752 DC motor with two-speed transmission
Top Drive	Varco Model TDS-4H, 650 short tons, 1,000 HP motor rated to 45,500 ft.-lbs. continuous torque in low gear, with a PH-85 pipe-handler
Tubular Handling	Varco ST-80 for handling tubular OD from 4-1/4" to 8-1/2"
Mud Pumps	Three (3) National 12-P-160, 1,600 hp triplex pumps, each driven by two (2) GE 752 DC traction motors
Solids Control	Four (4) VSM-300 shale shakers; one (1) Brandt SE-16 mud cleaner with 16 x 4" cones

Storage Capacities	
Liquid Mud	2,456 bbl. (including processing tanks)
Drill Water	7,112 bbl.
Potable Water	1,561 bbl.
Fuel	4,346 bbl.
Bulk Mud	5,310 cu. ft.
Bulk Cement	4,020 cu. ft.

Power Equipment	
Main Power	Three (3) EMD 16-645-E8 diesel engines driving each rated 1,950 HP three (3) EMD AC generators. Total available power 5,850 HP.
Power Dist.	Five (5) Ross Hill SCR units, each rated at 1,800 KW, powering eight (8) GE 752 DC motors

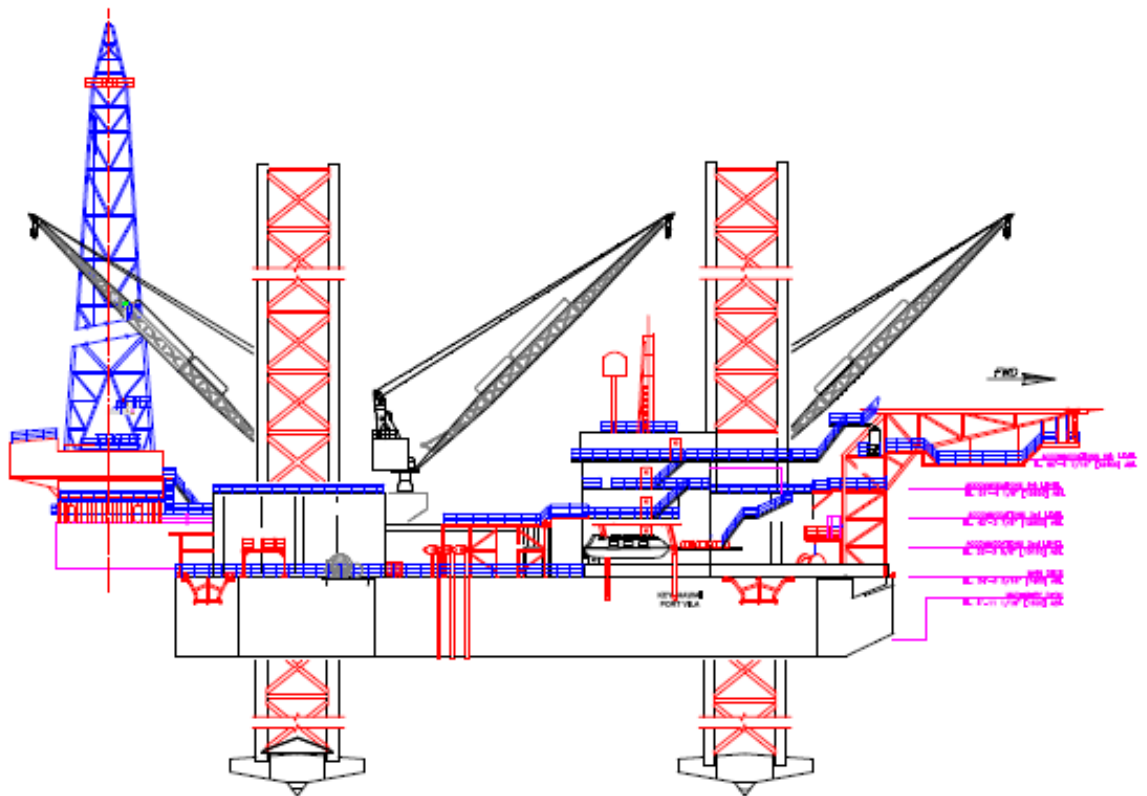
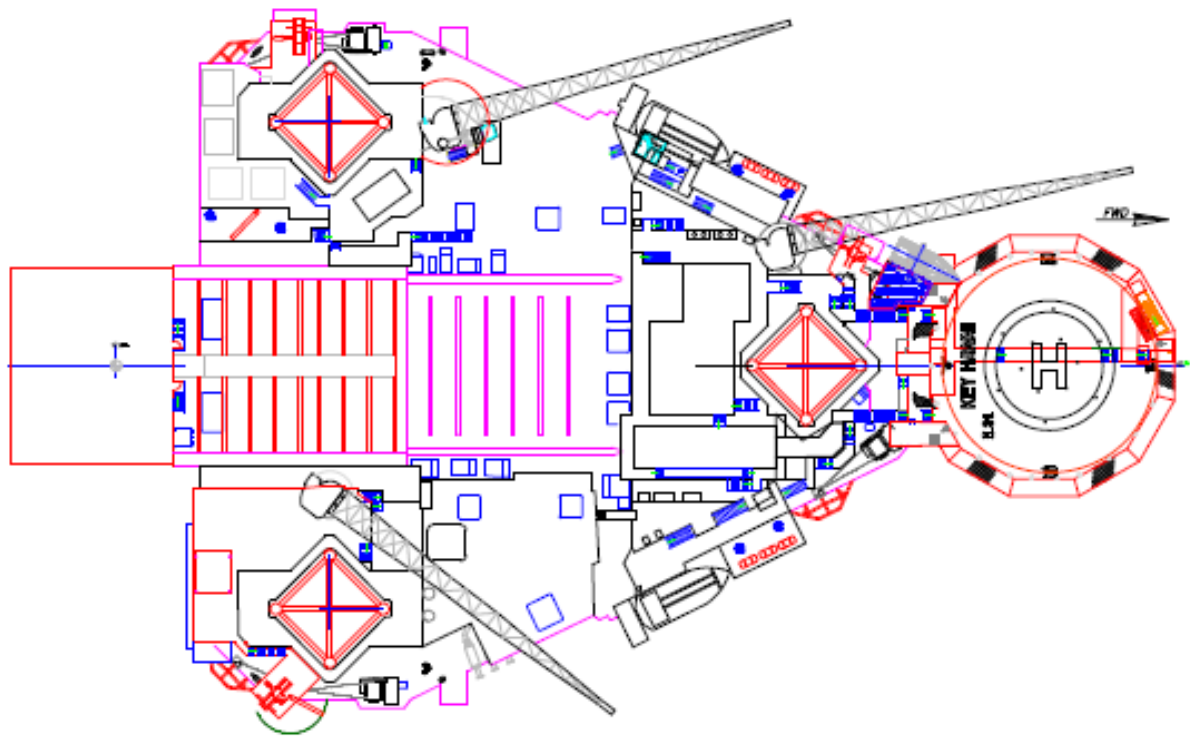
Well Control Equipment	
21-1/4 in. BOP	One (1) Shaffer annular preventer 21-1/4 in. 2,000 psi; two (2) Cameron Type U 21-1/4 in. 2,000 psi single ram preventers
13-5/8 in. BOP	One (1) Hydril GK 13-5/8 in. 5,000 psi annular preventer; two (2) Cameron Type U 13-5/8 in. 10,000 psi double ram preventers

Pedestal Cranes	
Three (3) Marathon LeTourneau PCM-120 electric cranes: port crane with 120 ft. boom, rated for 38.6 MT at 28 ft. radius; bow & starboard crane with 100 ft. boom rated for 45 MT at 24 ft. radius.	

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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 standard operating manuals, policies and procedures, and within its stated operational limits or continuous rated capacity, in order to assure maximum operational efficiency.



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