

## **Harvey H. Ward**

## 300 Foot Jack-up Drilling Unit

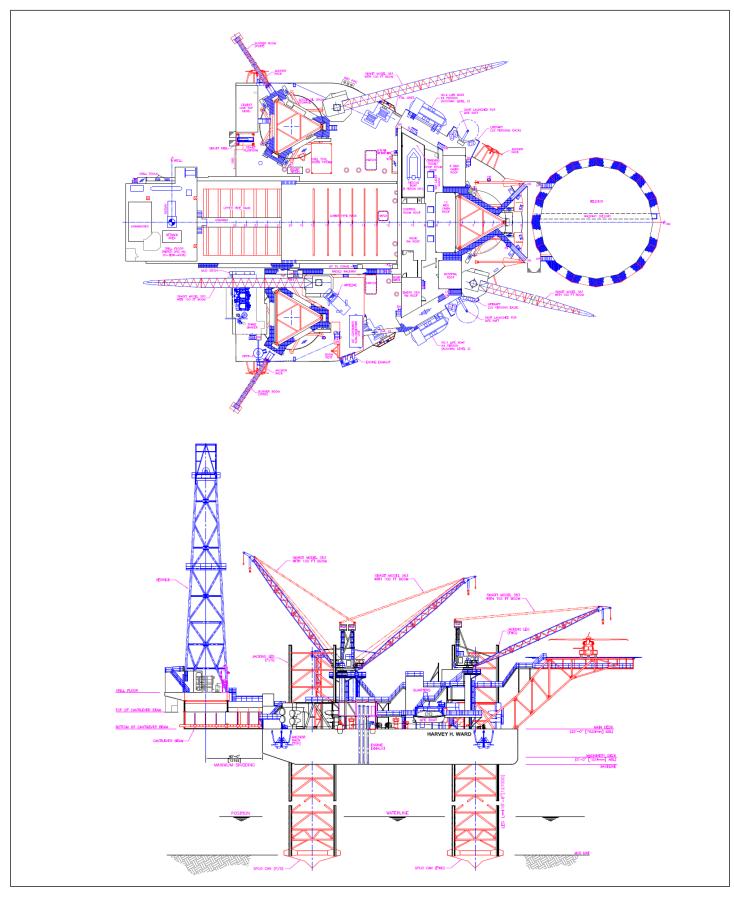
General Description		
DesignFriede & Goldman L-780 Model II		
Year Built / Last Up	ograde1981 / 2011	
Hull Dimensions	180 ft. x 175 ft. x 25 ft.	
Legs (3)	416 ft. long triangular	
Quarters capacity	108 persons	
Maximum Water De	<b>epth</b> 300 ft.	
Jacking System	National rack and pinion, 12 pinions/leg	
Cantilever Envelop	<b>De</b> 40 ft. by 24 ft.	
Maximum Variable	Load (drilling) Approx. 4,000 kips*	
	ending on water depth and geographical location	
	Drilling Equipment	
Derrick	Dreco 160 ft. x 30 ft. x 30 ft., static hook load capacity 1,000,000 lbs. with 12 lines.	
Drawworks	Oilwell E3000, 2,000 HP driven by two (2) EMD D79 1,000 HP motors, with Baylor 7838 electric brake	
Rotary Table	Oilwell B37-1/2 with 37-1/2 in. maximum opening rated, rated 650 short tons	
Top Drive	Varco TDS-4S, 650 st 1,000 HP, 45,500 ft. lbs. maximum continuous torque, outfitted with a Varco PH-85 pipe handler	
Mud Pumps	Two (2) Continental Emsco FB-1600 5,000 psi triplex pumps, each driven by two (2) 800 HP EMD D79 motors	
Solids Control	Three (3) MI Swaco MD2 progressive elliptical shale shakers, one (1) Brandt desander with 2 x 12" cones, one (1) Brandt desilter with 16 x 4" cones	
Instrumentation	MD Totco drilling instrumentation & Driller Display System	

	Storage Capacities
Liquid Mud	1,972 bbl (including slug pit)
Base Oil	755 bbl
Drill Water	5,572 bbl
Fuel	2,233 bbl
Bulk Mud	4,080 cu. ft. (3 silos)
Bulk Cement	4,080 cu. ft. (3 silos)
	Power Equipment
Main Power	Two (2) EMD MD16-645-E8 diesel engines 1,945 HP driving 1,280 KW 600 volts EMD AC enerator; one (1) EMD MD12-645-E8 diesel engine 1,500 HP driving 1,280 KW 600 volts EMD AC generator
Power Dist.	Four (4) Ross Hill SCR units rated at 1,350 KW 750 volts
	Well Control Equipment
Diverter System	Hydril MSP 500 psi 29-1/2 in. annular diverter with Hydril MSP 2,000 psi diverter spool outfitted with two (2) 12 in. discharge lines and Demco 12 in. 900 series ball valves
BOP Stack	One (1) Hydril GK 13-5/8 in. 5K annular preventer; one (1) Cameron Type U 13-5/8 in. 10K double ram preventer; one (1) Cameron Type U 13-5/8 in. 10K single ram preventer
BOP Handling	Two (2) Ingersoll Hoist Herculink HA2-025 hoists, rated 25 MT each. Total SWL 50 MT.
	Cranes





50 short tons at 30 ft. radius



## **HARVEY H WARD**

R-Nov-2021

