



Harvey H. Ward

300 Foot Jack-up Drilling Unit

General Description	
Design	Friede & Goldman L-780 Model II
Year Built / Last Upgrade	1981 / 2011
Hull Dimensions	180 ft. x 175 ft. x 25 ft.
Legs (3)	416 ft. long triangular
Quarters capacity	108 persons
Maximum Water Depth	300 ft.
Jacking System	National rack and pinion, 12 pinions/leg
Cantilever Envelope	40 ft. by 24 ft.
Maximum Variable Load (drilling)	Approx. 4,000 kips*
	<i>*depending on water depth and geographical location</i>

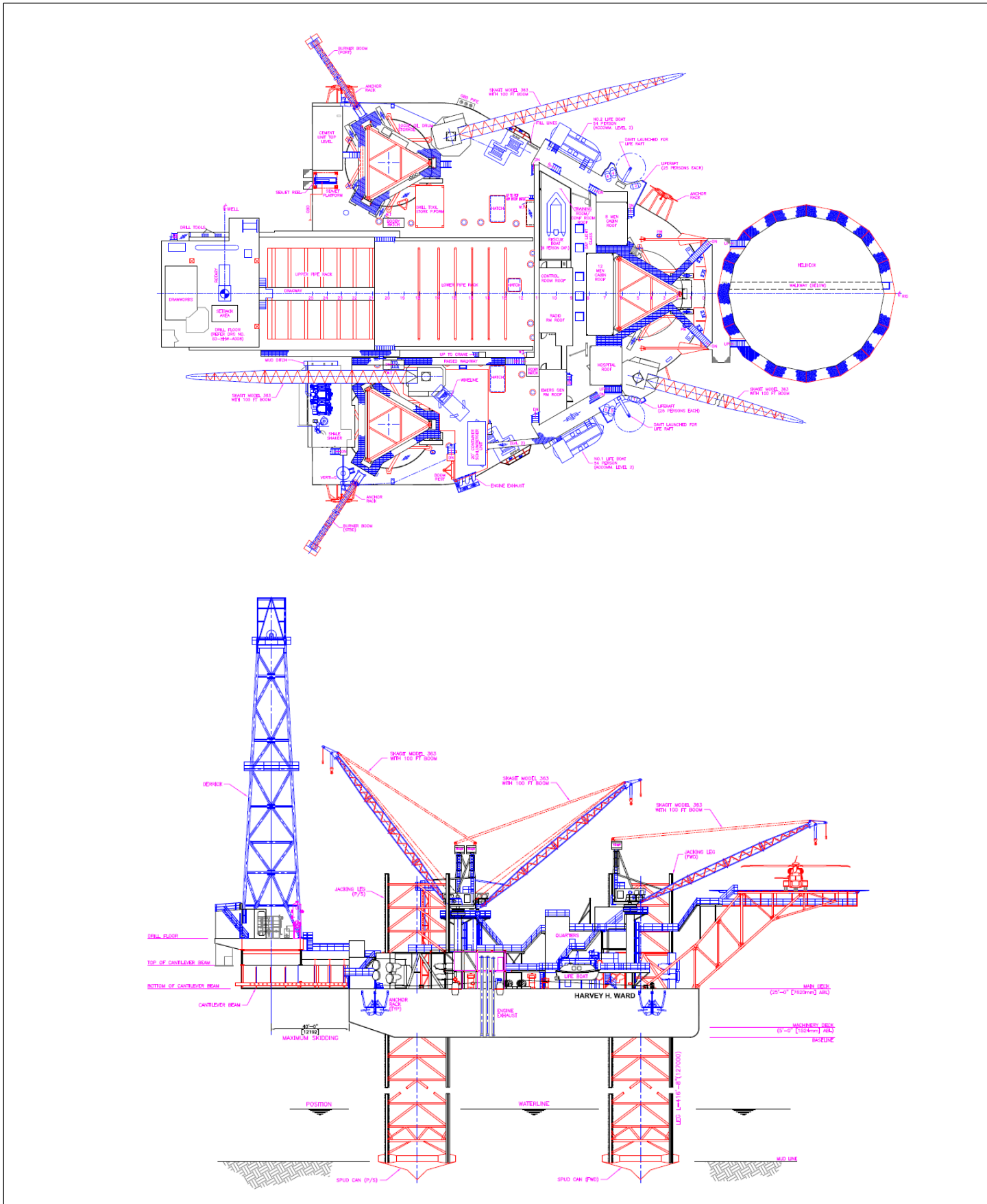
Drilling Equipment	
Derrick	Dreco 160 ft. x 30 ft. x 30 ft., static hook load capacity 1,000,000 lbs. with 12 lines.
Drawworks	Oilwell E3000, 2,000 HP driven by two (2) EMD D79 1,000 HP motors, with Baylor 7838 electric brake
Rotary Table	Oilwell A-375 with 37-1/2 in. maximum opening rated, rated 650 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
Pipe Handling	NOV ST-80 for handling tubular ranging from 4-1/2 in. to 8-1/2 in OD.
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) Derrick Hyper-pool shale shakers, one (1) Derrick Dual-pool 626 mud cleaner
Instrumentation	NOV RigSense drilling instrumentation system

Storage Capacities	
Liquid Mud	2,209 bbls (including slug & gel pits)
Base Oil	755 bbls
Brine	96 bbls
Drill Water	5,572 bbls
Potable Water	1,393 bbls
Fuel	2,434 bbls
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 1,945 HP engines driving 2,100 KW EMD AC generators; one (1) EMD MD12-645-E8 1,500 HP engine driving 2,100 KW EMD AC generator; one (1) Caterpillar 3516BHD 2,150 HP engine driving Kato 1,680 KW AC generator
Power Dist.	Four (4) Ross Hill SCR units rated at 1,350 KW 750 volts

Well Control Equipment	
BOP Stack	One (1) Cameron T90 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) IR Herculink HA2-025 hoists, 25 MT each with four (4) lift points. Total SWL 50 MT.

Cranes	
	Three (3) Skagit Model 363 pedestal cranes with 100 ft. booms rated for 46.5 MT static load at 30 ft radius.



HARVEY H WARD

R-Aug-2024



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.