



Shelf Drilling Mentor 350 Foot Jack-Up Drilling Unit

General Description	
Design	LeTourneau Super 116-E
Year Built / Last Upgrade	2010 / 2017
Hull Dimensions	243 ft. x 206 ft. x 26 ft.
Legs (3)	477 ft. long square legs
Quarters Capacity	120 persons
Maximum Water Depth	350 ft.
Cantilever Envelope	70 ft. by 30 ft.
Max Variable Load (drilling)	Approx. 10,000 kips*
<i>*depending on water depth and geographical location</i>	

Drilling Equipment	
Derrick	Woolslayer beam leg derrick, 170 ft high with 35 ft x 32 ft base, static hook load capacity 1,500,000 lbs. with fourteen (14) 1-3/4" drilling lines.
Drawworks	Lewco LDW 1500-K AC gear-driven 4,500 HP rated input power drawworks with regenerative AC braking and disk brake, driven by three (3) OEM TT1500 AC Vector motors rated 1,500 HP each
Rotary Table	LeTourneau OEM, 1,150 HP rated to 1,000 short tons, 49-1/2" maximum opening, driven by LeTourneau OEM motor
Top Drive	LeTourneau DDTD-750 Electric 750 short tons with 1,575 HP motor rated to 72,200 ft.lbs max. continuous torque, outfitted with LTI DDTD-750 pipe-handler
Pipe Handling	NOV ST-120 Iron Roughneck for handling tubular OD range from 4" to 10", NOV PS-30 power slips
Mud Pumps	Three (3) Lewco W-2214 triplex mud pumps 2,200 HP, 7,500 psi working pressure, each pump is driven by two (2) AC motors rated 1,150 HP continuous
Solids Control	Four (4) Brandt VSM 300 scalpers & balanced elliptical motion shale shakers; one (1) Brandt VSM 300 Desander/Desilter Combo (can also be used as 5 th shaker) with 3 x 12" cones and 24 x 4" cones
Instrumentation	MD Totco drilling instrumentation system

Storage Capacities	
Liquid Mud (including slug pits)	3,819 bbls.
Base Oil	1,000 bbls.
Brine	1,000 bbls.
Drill Water	11,144 bbls.
Fuel	2,017 bbls.
Bulk Mud (4 silos)	7,000 cu.ft.
Bulk Cement (3 silos)	5,250 cu.ft.
Sack Storage	5,000 sacks

Power Equipment	
Main Power	Five (5) Caterpillar 3516B-HD engines each rated at 2,150 HP @ 1,200 rpm driving Kato 1,500 KW AC generators
Power Dist.	Nine (9) LeTourneau AC VFD, 600 volts
E-Gen	One (1) Caterpillar 3512 engine rated 1,502 HP driving Baylor 1,120 KW AC generators

Well Control Equipment	
Diverter	Vetco Gray KFDJ 49-1/2" diverter with inserts for 22" to 17-3/4" OD, 635 psi WP with two (2) 16" discharge lines
BOP Stack	One (1) Hydril 13-5/8 5,000 psi annular; one (1) Cameron Type U 13-5/8" 10K single ram and one (1) Cameron Type U 13-5/8" 10K double ram. <i>(Note: A 18-3/4" 15K BOP stack can be provided if preferred by Client.)</i>
BOP Handling	Two (2) JD Neuhaus EH-75 hoists system each rated to 75 metric tons, SWL 150 MT

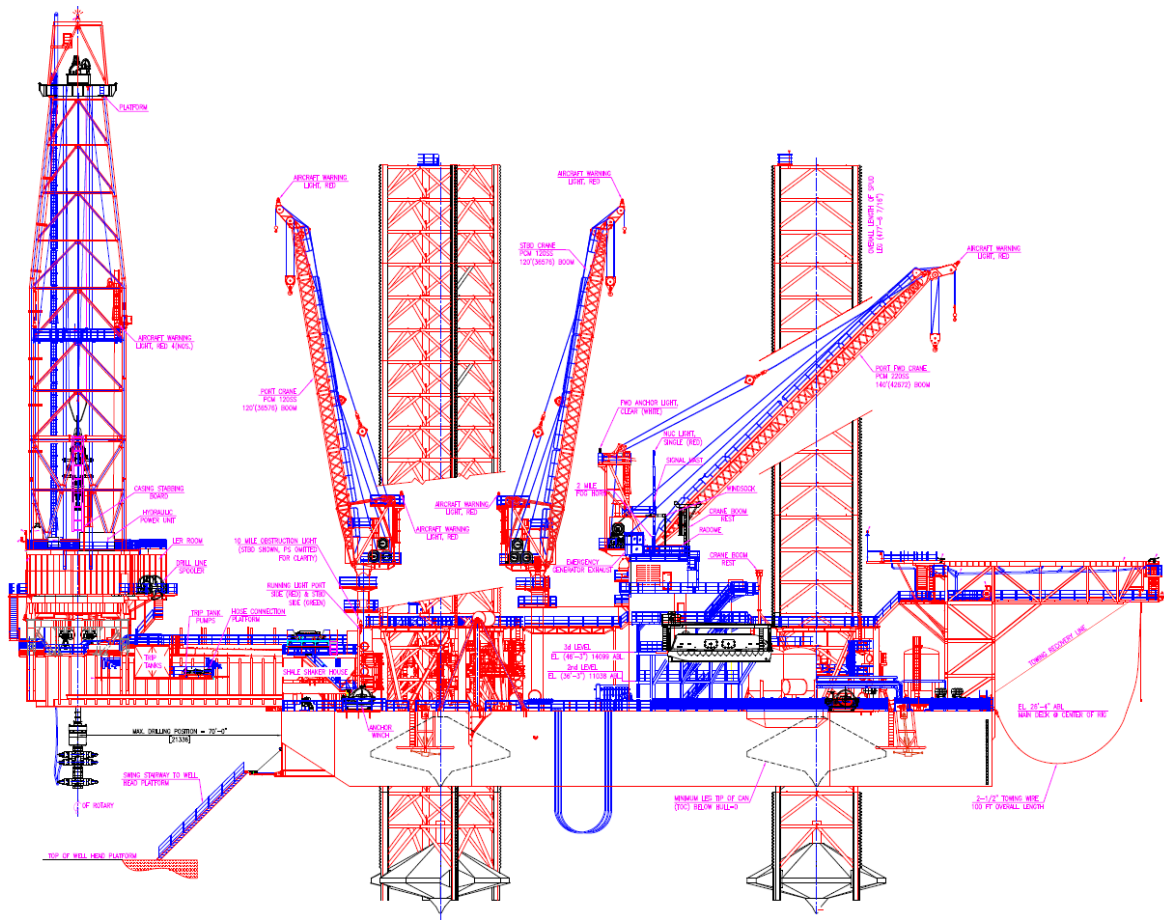
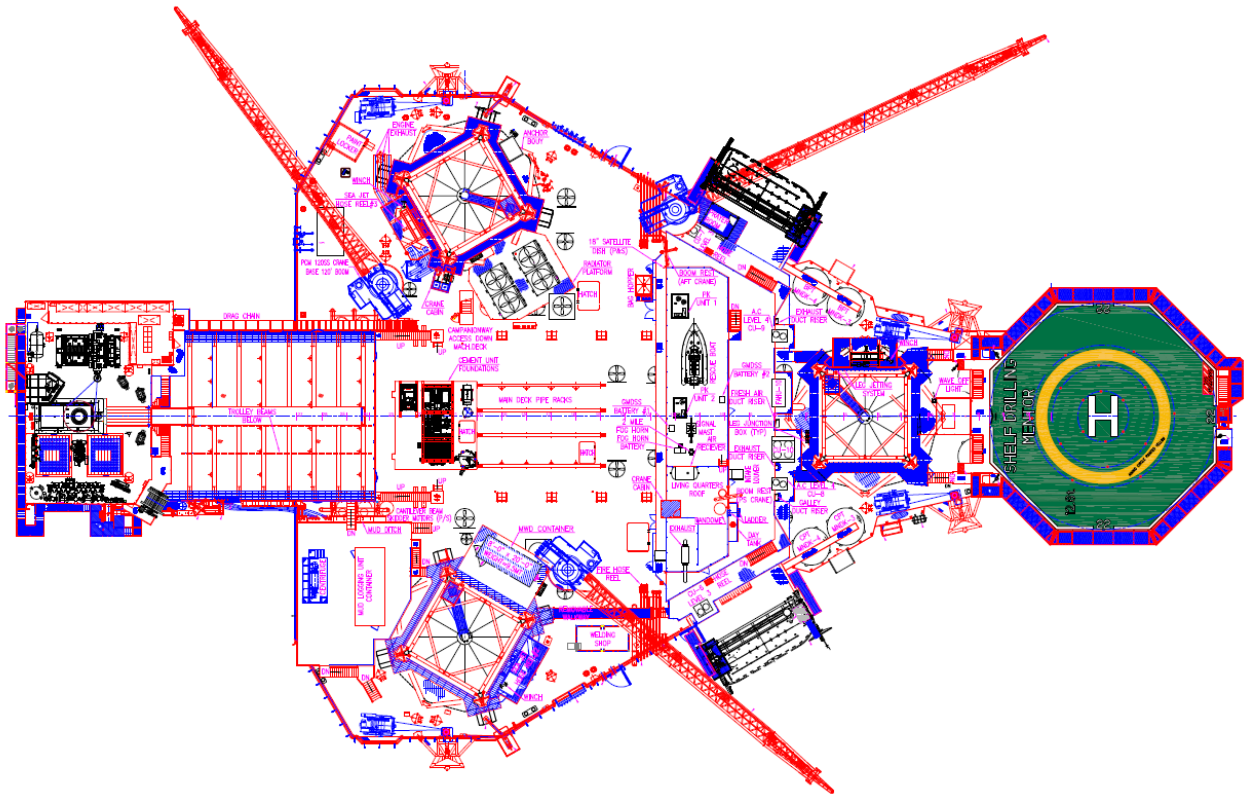
Cranes	
Two (2) LeTourneau PCM-120SS (port aft & starboard) with 120 ft. boom rated to 41.6 ST at 25 ft; one (1) LeTourneau PCM-220SS with 140 ft. boom rated to 55 ST at 32 ft. with 4-part or to 75 ST at 32 ft with 6-part.	

Special Features	
Capable of making up & racking drill pipe stands offline. Capable of in-field moves with 300 kips of tubular in the derrick subject to acceptable weather	

R-Feb-2021 (10K)



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