



## J.T. Angel

### 300 Foot Jack-up Drilling Unit

#### General Description

<b>Design</b> .....	Friede & Goldman L-780 Model II
<b>Year Built</b> .....	1982
<b>Hull Dimensions</b> .....	180 ft. x 175 ft. x 25 ft.
<b>Legs (3)</b> .....	416 ft. long triangular
<b>Quarters capacity</b> .....	112 persons
<b>Maximum Water Depth</b> .....	300 ft.
<b>Jacking System</b> .....	National rack and pinion, 12 pinions/leg
<b>Cantilever Envelope</b> .....	40 ft. by 24 ft.
<b>Maximum Variable Load (drilling)</b> .....	Approx. 4,500 kips*

*\*depending on water depth and geographical location*

#### Drilling Equipment

<b>Derrick</b>	Dreco 160 ft. x 30 ft. x 30 ft., static hook load capacity 1,044,000 lbs. with twelve (12) lines
<b>Drawworks</b>	National 1625 DE driven by two (2) 800 HP DC motors and grooved for for 1-1/2 in. drill lines, with Baylor 7838 electric brake
<b>Rotary Table</b>	National C375, 37-1/2 in. maximum opening rated at 650 short tons with independent drive using EMD D79 motor
<b>Top Drive</b>	Varco TDS-4S, 650 st, 1,100 HP motor rated to 45,500 ft.-lbs. maximum continuous torque, outfitted with PH-85 pipe-handler system
<b>Mud Pumps</b>	Two (2) National 12-P-160 5,000 psi triplex pumps, each driven by two (2) 800 HP EMD D79 motors
<b>Solids Control</b>	Four (4) Brandt VSM 300 shale shakers 1,400 gpm; one (1) Swaco 232 desander with 2 x 12" cones; one (1) Derrick S-240-S mud cleaner with 24 x 4" cones

#### Storage Capacities

<b>Liquid Mud</b>	1,778 bbl. (including slug pit)
<b>Brine / Base Oil</b>	1,884 bbl.
<b>Drill Water</b>	3,686 bbl.
<b>Fuel</b>	2,436 bbl.
<b>Bulk Mud</b>	4,000 cu. ft.
<b>Bulk Cement</b>	4,000 cu. ft.

#### Power Equipment

<b>Main Power</b>	Two (2) EMD 16-645-E8 diesel engines 1,950 HP and one (1) EMD MD12-645-E8 diesel engine 1,500 HP, driving three (3) 2,625 KVA 600 volts EMD AC generators
<b>Power Dist.</b>	Four (4) Ross Hill SCR units rated at 1,350 KW 750 volts

#### Well Control Equipment

<b>Diverter System</b>	Regan KFDJ diverter, 500 psi 37-1/2" maximum bore
<b>BOP Stack</b>	One (1) Hydril GK 13-5/8" 5K annular preventer; one (1) Cameron Type U 13-5/8" 10K double ram preventer; one (1) Cameron Type U 13-5/8" 10K single ram preventer
<b>BOP Handling</b>	Two (2) Ingersoll Rand Herculink hoists, rated 25 short tons each. Total SWL 50 short tons.

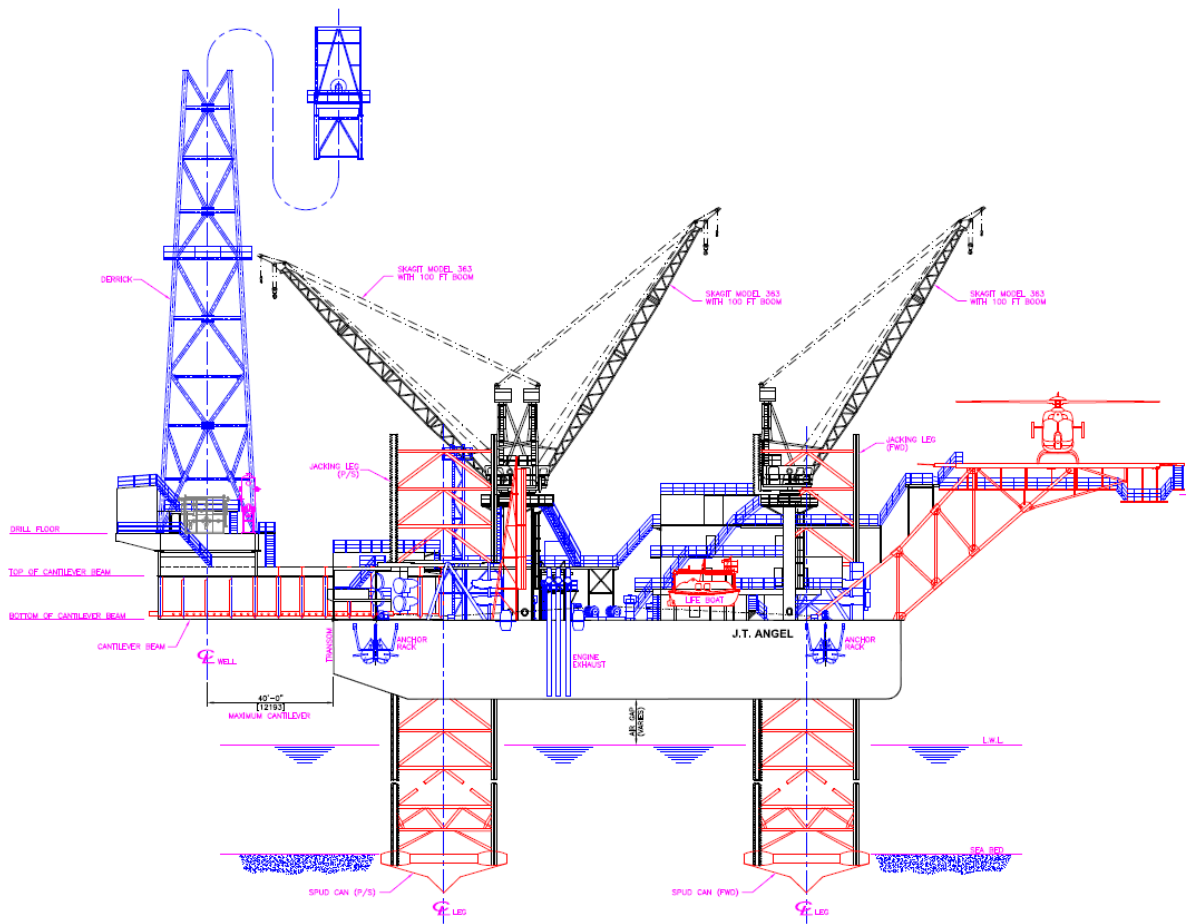
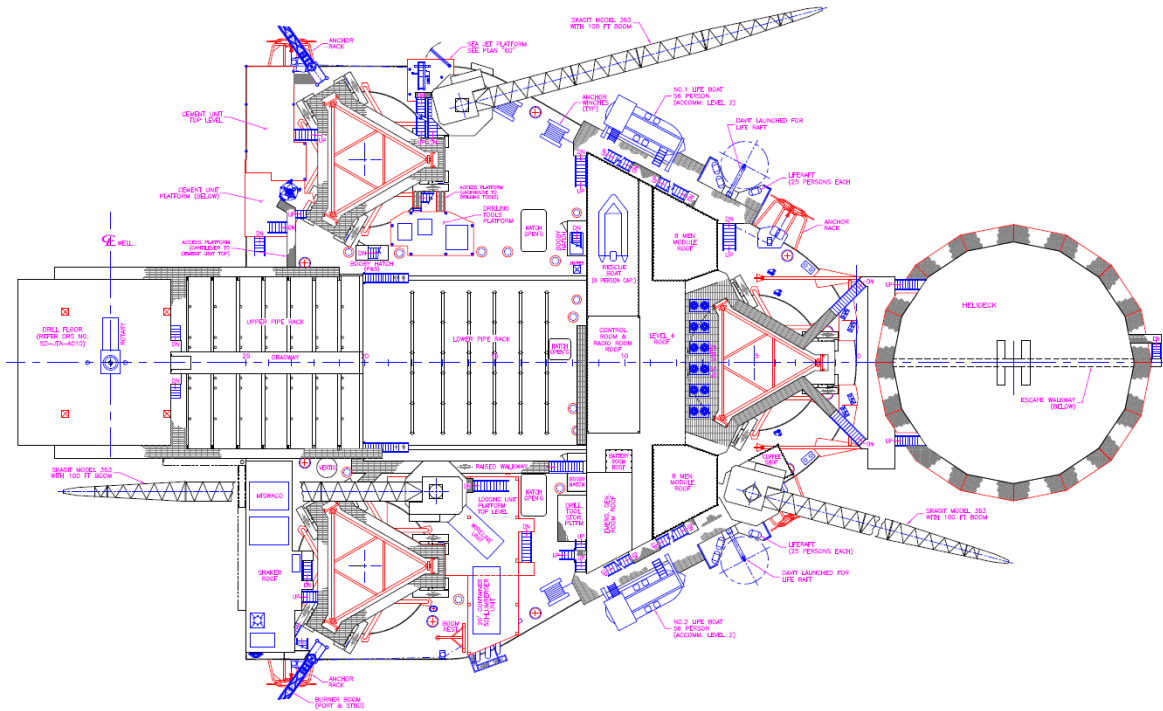
#### Cranes

Three (3) Skagit Model 363 cranes with 100 ft. booms, rated for 54 short tons at 25 ft. radius

R-Dec-2021



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.



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