



# SHELF DRILLING ENTERPRISE

## 375 Foot Jack-Up Drilling Unit

General Description	
<b>Design</b> .....	Baker Marine Pacific Class 375
<b>Year Built / Last Upgrade</b> .....	2007 / 2020
<b>Hull Dimensions</b> .....	236.5 ft. x 224.4 ft. x 28 ft.
<b>Legs (3)</b> .....	506 ft. long triangular legs
<b>Quarters Capacity</b> .....	150 persons
<b>Maximum Water Depth</b> .....	375 ft.
<b>Cantilever Envelope</b> .....	70 ft. by 30 ft.
<b>Max Variable Load (drilling)</b> .....	Approx. 7,500 kips*

*\*depending on water depth and geographical location*

Drilling Equipment	
<b>Derrick</b>	NOV Stainless Steel Bottleneck 750 derrick, 187 ft high with 35 ft x 35 ft base, static hook load capacity 1,500,000 lbs. with fourteen (14) 1-5/8" lines
<b>Drawworks</b>	NOV D3000 AC drawworks, 3,000 HP rated input power driven by three (3) motors each rated 1,230 HP continuous with AC regenerative brake
<b>Rotary Table</b>	NOV D-495 with hydraulic motor with 49-1/2 maximum opening, rated 1,600 kips (726 MT)
<b>Top Drive</b>	NOV HPS-750-E-AC-SG, 1,500 kips rated to 65,450 ft.lb. maximum continuous torque or 91,800 ft.lb. maximum intermittent torque, with NOV knuckle-link type make-up/break-out system
<b>Pipe Handling</b>	Two (2) Hawk Jaw Jr. for tubular OD from 8" to 3-1/2" OD; Forum 14K-R Offline Activity Crane 14,000 lbs SWL; one (1) multi-purpose-crane rated 7,500 lbs SWL; two (2) Ingersoll Rand LC2A080DI Hoists 8 MT
<b>Mud Pumps</b>	Three (3) National Oilwell 14-P-220 triplex pumps 2,200 HP, 7500 psi working pressure, each pump is driven by two (2) NOV AC motors rated 1,350 HP continuous
<b>Solids Control</b>	Four (4) Brandt VSM-300 dual deck balanced elliptical motion shale shakers
<b>Instrumentation</b>	NOV Cyber-base drilling instrumentation

Storage Capacities	
<b>Liquid Mud (including slug pit)</b> .....	4,263 bbls.
<b>Base Oil</b> .....	1,274 bbls.
<b>Brine</b> .....	1,292 bbls.
<b>Drill Water</b> .....	21,885 bbls.
<b>Fuel</b> .....	3,929 bbls.
<b>Bulk Mud (3 silos)</b> .....	6,462 cu.ft.
<b>Bulk Cement (3 silos)</b> .....	6,462 cu.ft.
<b>Sack Storage</b> .....	5,000 sacks

Power Equipment	
<b>Main Power</b>	Five (5) Caterpillar 3516B-HD engines each rated 2,350 HP @ 1,200 rpm, driving Baylor 2,150 kVA AC generators
<b>Power Dist.</b>	ABB AC drilling system with VFD for 10 motors and 3 braking resistors, 7,500 KW total max continuous power

Well Control Equipment	
<b>BOP Stack</b>	13-5/8 in. x 10K BOP stack comprising of two (2) Cameron Type U double ram preventers and one (1) Hydril 5K annular preventer. <i>(Note: a 15K BOP stack can be provided as alternative)</i>
<b>BOP Handling</b>	Two (2) Ingersoll Rand HA2-050 hoists each rated 50 metric tons. Total SWL 100 MT.

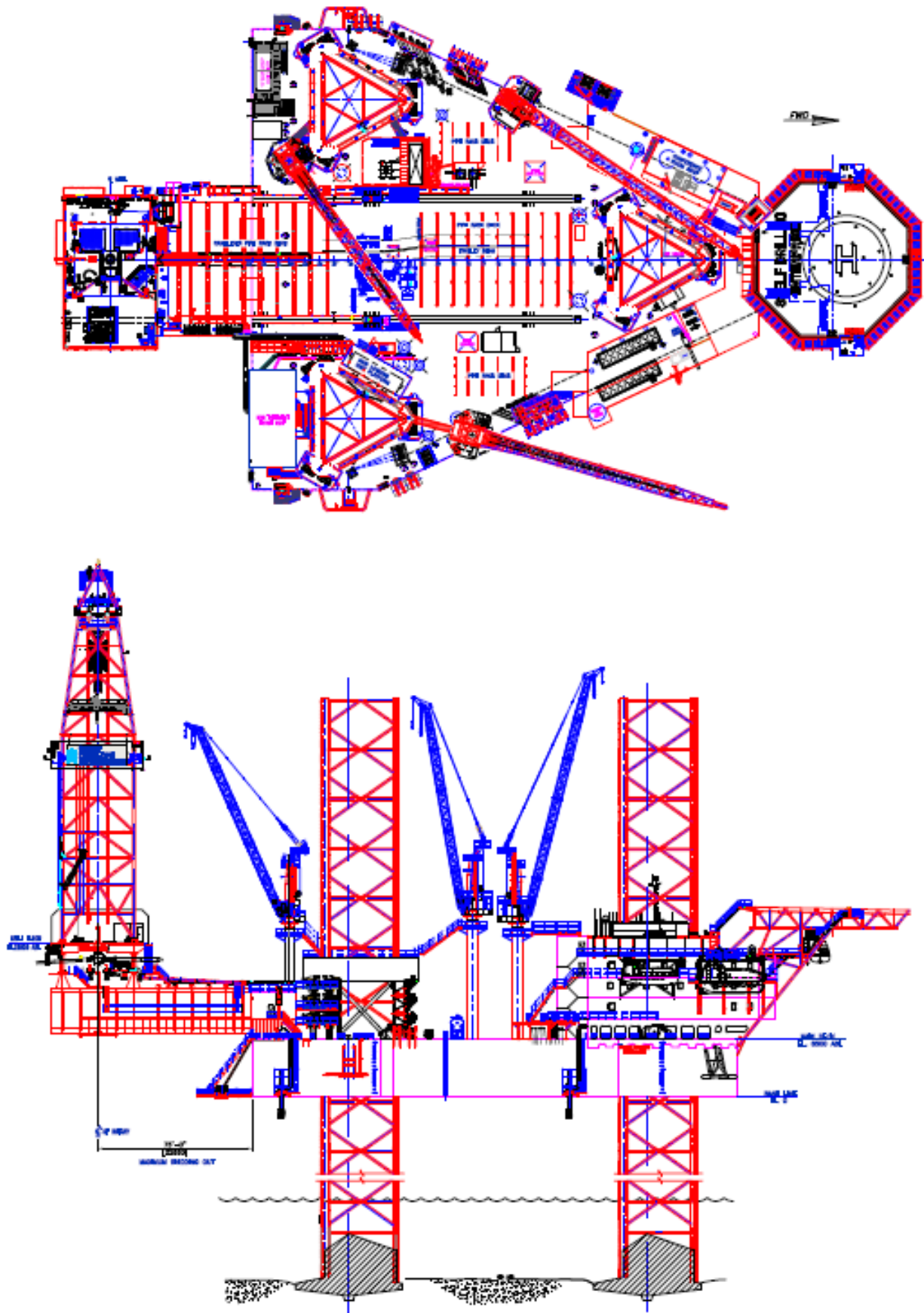
Cranes	
One (1) Baker Marine BMC 2250 crane at port-forward with 120 ft boom rated 50 MT at 25 ft. radius; one (1) Baker Marine BMC 1600 crane at starboard side with 120 ft boom rated 40.8 MT at 25 ft. radius; and one (1) Baker Marine BMC 900 crane at port-aft with 100 ft boom rated 22.6 MT at 20 ft. radius.	

Special Features	
Capable for making up & racking tubular stands offline (up to 9.5/8" OD casing). Capable for in-field rig move with 300 kips of setback. Outfitted with fast preloading system.	

*R-Oct-2024 (10K)*



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.



## Shelf Drilling Enterprise

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