



## ENSCO 115 (formerly Atwood Orca)

### GENERAL INFORMATION

<b>Flag:</b>	Liberia
<b>Previous Name(s):</b>	Atwood Orca
<b>Year Built:</b>	2013
<b>Builder:</b>	PPL Shipyard Pte Ltd, Singapore
<b>Design:</b>	Baker Marine Pacific Class 400 Independent Leg Jack-up
<b>Classification:</b>	ABS, @ A1 Self-Elevating Drilling Unit

### MAIN DIMENSIONS

<b>Length:</b>	236.5 ft.
<b>Breadth:</b>	224.4 ft.
<b>Depth:</b>	27.8 ft.
<b>Legs:</b>	532 ft.
<b>Leg Spacing:</b>	Transverse: 155.1 ft (47.3 meters); longitudinal: 145.3 ft (44.3 meters)
<b>Cantilever:</b>	75 ft.
<b>Spud Cans:</b>	55.4 ft. diameter

### DRAFT AND DISPLACEMENT

<b>Transit Draft:</b>	19.5 ft
<b>Displacement:</b>	43,853 kips

### MACHINERY

<b>Main Power:</b>	5 x CAT 3516C HD; Kato 6P6-3300
<b>Power</b>	
<b>Distribution:</b>	Siemens PEC VFD System
<b>Emergency Power:</b>	1 x CAT 3508B

### OPERATING PARAMETERS

<b>Water Depth:</b>	400 ft
<b>Drilling Depth:</b>	30,000 ft
<b>Length Below Hull:</b>	459.8 / 140.15M
<b>Air Gap:</b>	90 ft
<b>Transit Speed:</b>	4.5 knots
<b>Survival Conditions:</b>	45 ft (13.7 m) waves; 100 knots wind
<b>Criteria Design:</b>	45 ft (13.7 m) waves; 70 knots wind

### DRILLING EQUIPMENT

<b>Derrick:</b>	LOADMASTER Offset derrick, 160' high with 35' x 35' base and a 16' by 14' top. Static Hook Load capacity 1,500,000 lbs on 14 lines.
<b>Drawworks:</b>	NOV ADS-10T
<b>Rotary:</b>	NOV D-495 (Hydraulic)
<b>Top Drive:</b>	NOV TDS-8SA
<b>Traveling Block:</b>	NOV 760TB-750
<b>Handling:</b>	Qty 2 - NOV ST100 with a OAC
<b>Cementing:</b>	
<b>Mud Pumps:</b>	3 x NOV 14-P-220 (7500 psi)
<b>Drill Pipe:</b>	5 1/2" DP x 15,000 ft, S135, Range 2, 21.9ppf, uGPDS55 Connection; 5 1/2" HWDP x 44 standard R2
<b>Drill Collars:</b>	8 1/4" x 24 spiral, 6 5/8 Reg; 7" x 30 spiral, NC50

### HOISTING EQUIPMENT

<b>Cranage:</b>	3 x Baker Marine BMC-2250, 50T
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### CAPACITIES

<b>Variable Deck Load:</b>	7,500 kips
<b>Cantilever Load:</b>	2,599 kips
<b>Liquid Mud:</b>	4,177 bbls
<b>Bulk Tanks:</b>	11,653 cu ft
<b>Sacks:</b>	5,000 sacks

<b>Drill Water:</b>	21,760 bbls
<b>Potable Water:</b>	3,520 bbls
<b>Brine Storage:</b>	1,290 bbls
<b>Base Oil Capacity:</b>	1,277 bbls
<b>Fuel Oil:</b>	4,114 bbls

### WELL CONTROL SYSTEMS

<b>BOP:</b>	HYDRIL 18-3/4" with 1 x 10k Annular and 2 x 15k Dual Ram
<b>BOP Handling:</b>	JD NEUHAUS 2 x 75T
<b>Control System:</b>	CAD 60009380U2
<b>Diverter:</b>	VETCO GRAY KFDJ 500
<b>Choke &amp; Kill:</b>	SRI ENERGY Ksi

### MOORING

<b>Winches:</b>	4 Mentrade Marine single drum mooring winches
<b>Wire:</b>	1 1/2" x 3,000 ft
<b>Anchors:</b>	6 MT anchors

### HELIDECK

<b>Design:</b>	Designed for S61 and S92 Helicopter and fully compliant with CAP 437 regulations
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### JACKING AND SKIDDING SYSTEM

<b>Make / type:</b>	Baker Marine BMPL J800 2P (BLM D series)
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### ACCOMMODATION

<b>Total Beds:</b>	150 persons
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### ADDITIONAL DATA

<b>Watermaker:</b>	2 x Alfa Laval D-PU-35-C100
<b>Shale Shakers:</b>	4 x NOV VSM 300