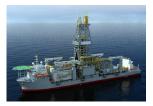
## **ENSCOROWAN**

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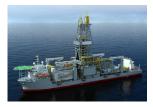
## ENSCO DS-14 (formerly Atwood Archer)

<b>GENERAL I</b>	<b>NFORMATION</b>
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GENERAL INFO	DRMATION		pipe handling/racking system
Flag: Previous Name(s): Year Built: Builder: Upgrade: Design: Classification: MAIN DIMENSIO	Marshall Islands Atwood Archer 2020 Delivery DSME Okpo Shipyard - Geoje, South Korea N/A DSME 12000 Double-Hull DP Drillship DNV, @ 1A1 Ship Shaped Drilling Unit, DYNPOSAUTRO, CRANE, E0, HELDK-SH, DRILL, BIS, BWM-T, DPS-3	Cementing: Drill Pipe: HWDP: Drill Collars:	Two (2) NOV ST-160 Iron Roughnecks (one Main and one Aux well) Haliburton HT 400 – 15,000 psi (3rd party) 5 7/8" x 4,572 m (15,000 ft) V-150 0.415 wt R3 uGPDS55; 6 5/8" x 3,048 m (10,000 ft) V-150 0.522 wt R3 uGPDS65; 6 5/8" x 2,438 m (8,000 ft) V-150 0.625 wt R3 uGPDS65 5 7/8" x 32 standard R2 uGPDS55; 6 5/8" x 32 standard R2 uGPDS65 7" x 32 spiral, NC50; 8 ¼" x 24 spiral, 6 5/8 Reg 9 ½" x 8 spiral, 7 5/8 Reg
Length:	780 ft (238 m)		
Breadth: Depth: Moon Pool:	137 ft (42 m) 62 ft (19 m) 22.15 m x 9.75 m	HOISTING EQU Cranage:	Three (3) NOV Knuckle boom crane 100 mT lifting capacity at 20 m One (1) NOV Active Heave Crane for subsea
DRAFT AND DI Operating Draft: Displacement:	<b>SPLACEMENT</b> 39 ft (12m) 104,000 mT @ 12 m draft		lifts, 165 mT deck load at 18.2 m radius to 600 m water depth, 103 mT deck load at 3,000 m water depth
MACHINERY Main Power:	Six (6) HHI 14H32/40V 14 cylinder engines rated 7,000 kW each, driving six (6) Siemens	CAPACITIES Variable Deck Load:	23,000 mT
Power Distribution:	HSJ71209-10P generators rated at 6,750 kW each Three (3) Siemens Switchboard 11 kV for generator control and distribution	Tubulars in Pipe Rack:	One (1) NOV Pipe Catwalk Machine 15 mT x 50' length c/w tail-in arm One (1) NOV Riser Catwalk Machine with tail in arm and flat bed service cart
Emergency Power:	One (1) Caterpillar, 3516B 16 cylinder emergency diesel engine rated 1,889.2 kW driving One (1) Leroy Somer, Brushless/Revolving Field generator rated at 1,765 kW	Liquid Mud: Barite/Bentonite: Bulk Cement: Drill water:	2,991.1m <sup>3</sup> (includes slug tanks but not processing tanks) 480 m <sup>3</sup> 320 m <sup>3</sup> 3,190 m <sup>3</sup>
OPERATING PA	ARAMETERS	Potable Water: Brine Storage:	1,634.3 m³ 1,033.4 m³
Water Depth:	maximum 12,000 ft (3,657 m); outfitted for 10,000 ft (3,048 m)	Base Oil Capacity: Fuel:	815 m³ 8,415.6 m³
Drilling Depth: Transit Speed:	40,000 ft (12,192 m) 12.5 knots at transit draft	Sacks:	
Survival Conditions:	48,201 kips (21,863 mT)	WELL CONTRO	Two (2) GE/Hydril 18-3/4" 15 ksi 7 ram BOP
DRILLING EQU Derrick:		BOP Handling:	stack c/w two (2) 10 Ksi annulars and an 18-3/4" Super HD-H4 wellhead connector One (1) NOV BOP bridge crane 2 x 250 mT c/w
Drawworks:	64m (approx. 59ft x 80ft x 210ft) working height static hook load 2,500 kips One (1) Main Well, NOV 1,250 sTon, 6 motor, AHD-1250 Active Heave Drawworks System Continuous rating is 1,120 kW (1,500 HP),		2 ea. 30 mT auxiliary winches One (1) NOV bulkhead guidance system for capturing BOP movement Hydril Control System 3,000/5,000 psi One (1) Hydril BOP Test Pump One (1) Hydril Diverter closing unit c/w pumps,
	690 VAC One (1) Aux Well, NOV 1,000 sTon, 4 motor, SSGD-1000 conventional Drawworks System Continuous rating is 1,120 kW (1,500 HP),	Control System: Choke and Kill:	accumulator, and operator/test panel One (1) Techdrill 15k x 10k choke and kill manifold with glycol injection
Rotary:	690 VAC One (1) Main, NOV Rotary table 75.5", hydraulic drive, 5 rpm continuous/15 rpm intermittent, 1,375 sTon load capacity	Diverter:	One (1) GE/Hydril CSO type 75.5" diverter housing with 18" flowline, 16" divert line One (1) GE/Hydril full closure diverter assy c/w 20" thru bore and rated to 500 psi
Top Drive:	One (1) Aux, NOV Rotary table 60.5", hydraulic drive, 5 rpm continuous/15 rpm intermittent, 1,000 sT on load capacity One (1) Main, NOV TDX – 1250 top drive (1,250 sTon Capacity	HELIDECK Size: Capacity: Design:	Octagonal 22.8 x 22.8; D-Value 22.8 14.6 mT Designed for S-61N, S-92, EH101
Mud Pumps:	One (1) Aux, NOV TDS – 1000 top drive (1,000 sTon Capacity) Four (4) NOV 14P-220 HP mud pumps, 2,200	ACCOMMODAT Total Beds:	CION 200 persons
Handling:	HP, 7,500 psi One (1) x NOV 10-P-130 boost pump, 1,300 HP Two (2) NOV Hydra-Racker IV-ER Automated		

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## **ADDITIONAL DATA**

Thrusters:	Six (6) Rolls Royce thrusters with steering motors, control panel and Hydraulic power unit, c/w Siemens 5,500 kW drive motors @ 750 rpm
Compensation:	1 NOV CMC-E- 1500/2500 active drill string compensator 20 ft stroke, 1,500 kip compensating, 2,500 kip tripping. 1 NOV CMC-1000-2000-25 active drill string compensator 25 ft stroke, 1,000 kip compensating, 2,000 kip tripping