

## SEVAN DRILLER

Sevan Driller was delivered from the Cosco Nantong Shipyard in China, in November 2009, less than 30 months from start of construction. Sevan Driller is designed with state of the art equipment for safe, efficient and environmentally safe operations in water depths down to 10,000 feet and is based on Sevan's own patented technology. The unit has a capacity of drilling wells up to 35,000 feet, a variable deck load (VDL) of more than 15,000 metric tons and high storage capacity of bulk materials. Sevan Driller is equipped with an internal storage capacity of up to 150,000 barrels of oil.



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### GENERAL

<b>Design</b>	Circular Sevan Design
<b>Built/year</b>	2009
<b>Rig type</b>	MODU
<b>Major upgrades</b>	Nil
<b>Flag</b>	Singapore
<b>Classification</b>	DNV
<b>Class notations</b>	N+1 A1 MODU, DRILL, CRANE, Dynpos Auto, HELIDK-SH

### MAIN DIMENSIONS/TECHNICAL

<b>Length x breadth</b>	85 m x 89 m
<b>Design water depth</b>	10,000 ft
<b>Min. water depth</b>	1,500 ft
<b>Drilling depth</b>	35,000 ft
<b>Variable load</b>	15,000 mt
<b>Propulsion</b>	8 x 3,800 kW Azimuth thrusters
<b>Transit speed</b>	6 knots
<b>Helideck</b>	Sikorsky S-92, EH-101
<b>Accommodation</b>	150

### STORAGE CAPACITIES

<b>Fuel</b>	5,000 m3
<b>Drill water</b>	3,200 m3
<b>Potable water</b>	1,250 m3
<b>Liquid mud/pits</b>	2,550 m3 / 950 m3
<b>Base oil</b>	1,400 m3
<b>Brine</b>	1,400 m3
<b>Barite/Bentonite</b>	600 m3
<b>Cement</b>	500 m3

### DRILLING EQUIPMENT

<b>Derrick</b>	AMH Bolted
<b>Drawworks</b>	Wirth GH4500
<b>Racking capacity</b>	37,400 ft
<b>Top drive</b>	2 x 875 kW
<b>Rotary table</b>	60 1/2"
<b>Iron roughneck</b>	MH1899 x 2
<b>Motion compensation</b>	AMH 1M lbs 25 ft stroke
<b>Riser tensioner</b>	6 x 600 st

### WELL CONTROL

<b>BOP</b>	18 3/4" 15K
<b>Diverter</b>	Vetco Grey 60 1/2"
<b>C&amp;K manifold</b>	Techdrill 15K

### RISER SYSTEM

<b>Type</b>	ADR Clip Riser
<b>Length of joints</b>	75 ft
<b>Min. ID</b>	19
<b>K&amp;C lines</b>	2 x 4 1/2" 15K

### BOP/RISER HANDLING

<b>BOP crane</b>	2 x 75 mt AMH
<b>Riser crane</b>	2 x 20 mt AMH
<b>BOP skid</b>	Nil
<b>Xmas tree crane</b>	2 x 100 mt AMH
<b>Xmas tree skid</b>	Nil

### MUD SYSTEM

<b>Mud pumps</b>	4 x 1,600 Wirth AMH
<b>Pressure rating</b>	7,500 PSI
<b>Shale shakers</b>	5 x BEM-650

### POWER

<b>Main engines</b>	8 x Rolls-Royce 12V40
<b>Main generators</b>	8 x Siemens 5,535 kW AC
<b>Total power</b>	44,280 kW
<b>Emergency power</b>	By main generators

### STATION KEEPING

<b>DP class</b>	DP class III
<b>DP control system</b>	Kongsberg
<b>Anchor chain</b>	2 x 87 mm, 350 m
<b>Anchors</b>	2 x 12,7 mt

### LIFTING EQUIPMENT

<b>Deck crane</b>	2 x Liebherr BOS Offshore
<b>Deck crane rating</b>	100 mt
<b>Auxiliary crane</b>	Nil
<b>Pipe handling</b>	AMH 15 mt

### TUBULARS

<b>Drill pipe</b>	5", 5-7/8", 6-5/8"
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