

OCEAN APEX



**Deepwater Moored
Semisubmersible**

GENERAL DESCRIPTION

Design	Enhanced Victory Class
Year Entered Service	2014
Classification	ABS, A1 Column Stabilised Drilling Unit
Main Deck	361ft (110m) Long x 320ft (97.53m) Wide
Draft	76ft (23.16m) Drilling 28ft (8.5m) – 41.5ft (12.6m) Transit
Displacement	49,855LT Drilling 30,930LT – 37,457LT Transit
Variable Deck Load	7,000LT Drilling, 7000LT Transit
Transit Speed	Up to 3.8 knots
Water Depth	6,000ft (1,829m) designed 2,000ft (610m) - outfitted
Drilling Depth	30,000ft (9,144m)
Accommodation	140 people
Helideck	Sikorsky S-92; CAP 437 compliant

DRILLING EQUIPMENT

Derrick	NOV, 185 ft. high with 40 ft. x 40 ft. base, load capacity of 2,000 kips
Drawworks	NOV UDBEL 2040, four DC electric motors, 1,000hp each, with 2" drilling line
Compensator	NOV drill string motion compensator, 800 kips compensating capacity, 25 ft. stroke
Rotary Table	NOV RST, 49 1/2"
Top Drive	NOV TDX-1000, 1,000T with pipe handler
Tubular Handling	1 x NOV ST-160 Iron Roughneck for tubular range 3 7/8" to 10" and casing range 5" to 22" 1 x ST-120 Iron Roughneck tubular range 3 1/2" to 10" for offline stand building NOV BR-10-SD-D bridge racker NOV 8026 Torque Master Bucking Machine
Mud Pumps	4x NOV 14-P 220, 2,200hp each, 7,500 psi

CRANES

Deck Cranes	1x 56 tons Seatrax 6032 with 150ft boom 1x 56 tons Seatrax 7224 with 160ft boom 1x 68 tons Seatrax 9040 with 160ft boom 1x 34.4 tons NOV knuckle-boom crane for riser and tubular handling
--------------------	---

STORAGE CAPACITY

Liquid Mud Storage	6,624 bbls	1,053 m ³
Liquid Mud Active	3,187 bbls	507 m ³
Base Oil	3,315 bbls	527 m ³
Brine	4,563 bbls	725 m ³
Bulk Cement	10,219 ft ³	289 m ³
Bulk Bentonite / Gel	8494 ft ³	240 m ³
Bulk Barite	8490 ft ³	240 m ³
Sack Storage	5,000 sacks	5,000 sacks
Fuel	6,986 bbls	1,110 m ³
Drill Water	15,457 bbls	2,457 m ³
Potable Water	4,089 bbls	651 m ³

SUBSEA EQUIPMENT

Diverter	Vetco, KFDS-500, Full Bore, 49-1/2" RT
BOP Stack	Shaffer NXT-M 18-3/4" 15,000psi five-ram Shaffer dual 18-3/4" 10,000psi annular APIS53 compliant 2x BSR-3K 3x Pipe Rams
C&K Manifold	3 1/16", 15,000 psi
Marine Riser	Shaffer FT-E, 75 ft. long per joint
Tensioners	8x 200kips dual Rucker wireline riser tensioners Total capacity 1,600 kips with 50 ft of wire travel
Moonpool	80.7ft x 72ft (24.6m x 22m)

POWER GENERATION

Main Power	5 x Caterpillar C175 Tier II diesel engines rated 2,400hp each with 4,160 VAC generators
Emergency Power	1 x Caterpillar C32 engine rated 720kW

STATION KEEPING / PROPULSION SYSTEM

Mooring System	8x 3 1/4" x 4,200 ft. RQ5 chains 8x 3 3/4" x 6,800 ft. wires 8x 15T Stevpris MK6 anchors 12-point mooring system capable
-----------------------	---

OTHER INFORMATION

MPD	Ready (hard piping installed)
Flare Booms	2x 92ft long

OCEAN APEX

