

OCEAN ONYX



**Deepwater Moored
Harsh Environment
Semisubmersible**

STORAGE CAPACITY

Liquid Mud Pits	3,263 bbls	519 m ³
Liquid Mud Storage	5,124 bbls	815 m ³
Base Oil	3,287 bbls	523 m ³
Brine - Dedicated Pits	2,569 bbls	408 m ³
Brine Storage	3,287 bbls	523 m ³
Bulk Cement & Barite	13,131 ft ³	372 m ³
Sack Storage	4,000 sacks	4,000 sacks
Fuel	6,898 bbls	1,097 m ³

GENERAL DESCRIPTION

Design	Enhanced Victory Class
Year Entered Service	Upgraded 2020
Classification	ABS, non-self-propelled, column-stabilised semisubmersible drilling unit
Main Deck	349ft (106m) Long x 345ft (105m) Wide
Draft	74.5ft (22.7m) Drilling, 41.6ft (12.68m) Transit
Displacement	44,055LT Drilling, 33,308LT Transit
Variable Deck Load	7,000LT Drilling, 5,000LT Transit
Transit Speed	3 knots
Water Depth	6,000ft (1,829m) designed 1,500ft (457m) outfitted
Drilling Depth	30,000ft (9,146m)
Accommodation	140 people
Helideck	Sikorsky S-92, CAP 437 compliant

SUBSEA EQUIPMENT

Diverter	Vetco 49 ½" 500 psi with 16" flow line
BOP Stack	Shaffer 18-¾" 15,000psi five-ram preventer Shaffer dual 18-¾" 10,000psi annular preventers APIS53 compliant
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	86ft x 22.5ft (26.21m x 6.85m)

POWER GENERATION

Main Power	5x Caterpillar 3516C Tier II diesel engines rated 2,011hp each driving 600 V AC generators
Emergency Power	Caterpillar C32 engine rated 720 kW driving Kato 4p6-2450 900 kVA generator

DRILLING EQUIPMENT

Derrick	NOV Drecto, 185 ft high with 40ft x 40ft base, combined static hook load of 1,600 kips
Drawworks	Continental Emsco C-3-II, 3 DC electric motors, 1,000hp each, with 1 ¾" drilling line
Compensator	NOV drill string motion compensator, 600 kips capacity, 25 ft stroke
Rotary Table	RTS495-3G
Top Drive	NOV TDS-8SA, 750 ton with PH-85 pipe handler
Tubular Handling	NOV ST-120 Iron Roughneck for tubular range 3 ½" to 9 ¾"
Mud Pumps	4x NOV 12-P-160, 900hp, 7,500 psi
Shale Shakers	5x NOV / AX-1 1600gpm

STATION KEEPING / PROPULSION SYSTEM

Mooring System	8x 3 ¼" x 3,800 ft RQ5 chains 8x 3 ½" x 5000 ft wires installed 8x 15mT Bruce MK-6 anchors 12-point mooring system capable.
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CRANES

Deck Cranes	2x 52 ton Seatrax 6032 with 160ft boom 1x 64 ton Seatrax 9028 with 160ft boom 1x 75 ton Seatrax 9040 with 160ft boom 1x 33 mT NOV T6455 knuckle boom crane
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