GENERAL DESCRIPTION
Design ......................................................... Ocean Odyssey
Year Entered Service ......................................................... 1988
Classification ABS, +A1 DP Column Stabilized Drilling Unit, +AMS, +DPS-2
Dimensions .......................................................... 390 ft long x 231 ft wide x 144 ft high
Draft ................................................................. 76 ft operating / 29 ft transit
Displacement ...................................................... 44,802.5MT operating
Variable Deck ...................................................... 3,850 MT operating
Transit Speed .............................................................. up to 6 knots
Water Depth ............................................................. 6,000 ft designed / 5,250 ft outfitted
Drilling Depth ............................................................... 25,000 ft

DRILLING EQUIPMENT
Derrick GNC Branham, 184 ft high with 40 ft x 40 ft base, static hook load capacity of 1,400 kips
Drawworks National 1625 DE, three DC electric motors, 850hp each, with 1 5/8” drilling line
Compensator Drill string motion compensator, 600 kips capacity with 18 ft stroke
Rotary Table National C-495, 49 ½”
Top Drive Varco TDS-4S, 650T + PH-60 pipe handler
Tubular handling Varco Iron Roughneck for tubular range 3 ½” to 5 ¾”
Mud Pumps 3 x National 12-P-160, 1,600hp, 5,000 psi

POWER EQUIPMENT
Main Power 4 x Pielstick 12PC2V MK5 each driving 5.24 Mw AC generators
2 x Pielstick 6PC21 MK5 each driving 2.62 Mw AC generators
Emergency Power Cummins KTA generating 900 kW

STORAGE CAPACITIES
Liquid Mud ................................................................. 2,980 bbls
Base Oil ................................................................. 2,580 bbls
Potable Water .............................................................. 1,245 bbls
Bulk Material ............................................................ 13,000 cu ft (mud + cement)
Sack Storage .............................................................. 15,000 sacks

CRANES
3 x 64 ton NOV OS-435 HD with 120 ft boom

SUBSEA EQUIPMENT
Diverter Regan KFDJ-500/KFDS-3 24” 1,000 psi diverter with 12” flow line
BOP Stack Shaffer 18 ¾” 15,000 psi four-ram preventer
2 x Shaffer 18 ¾” 10,000 psi annular preventers
C&K Manifold 3 ½”, 15,000 psi
Marine Riser Shaffer FT-G 21”, 50 ft long per joint
Tensioners 8 x 160 kips Shaffer wireline riser tensioners. Total capacity 1,280 kips with 50 ft of wire travel
Moonpool 23 ft x 25 ft

STATION KEEPING / PROPULSION SYSTEM
Thruster (8) Schottel variable pitch, fully azimuthing
DP System Kongsberg SDP21 & SDP11
Mooring System (2) 3 ¼” x 2,300 ft PRQ + 20 chains (2) 22T Moorfast anchors

OTHER INFORMATION
Accommodation 132 people
Helideck Sikorsky S-61, CAP 437 compliant

Mar 2017

These specifications are intended for general reference purposes only, actual equipment may vary upon the contract situation and customer needs.