DRILLING (MPD) MANAGED PRESSURE

MUD PUMPS
- 4 x National FC2200 pumps – 7500psi

HP MUD SYSTEMS
- Rated for 7,500psi – Dual Fluid System upgradeable

SOLIDS CONTROL
- 5 x NOV Shale Shakers – VSM 300

MANAGED PRESSURE DRILLING (MPD)
- MPO-Ready, DNV Approved for Stena Drilling owned MPO System

GENERAL INFORMATION
- RIG TYPE / DESIGN: Dynamically Positioned, Harsh Environment DP3 Drillship
- CONSTRUCTION SHIPYARD: SHI (Samsung Heavy Industries)
- YEAR ENTERED SERVICE: December 2007 / N/A
- SIGNIFICANT UPGRADES: December 2007 / N/A
- CLASSIFICATION: DNV: + 143 Ship-shaped Drilling unit(N) Bis Crane-offshore DRILL (N, MPD READY) DYNPOS(AUTO) EO F/A, M, HELDOS, H) Recycable UKVs
- FLAG: United Kingdom (UK)
- DIMENSIONS: 228 m (Long) x 42m (Wide) x 19m (moulded depth)
- DRAFT: 12m (29.4 ft) operating / 8.5m (27.9 ft) transit
- ACCOMMODATION: 180, upgradable to 220
- VARIABLE DECK (OPERATING): 19,500M² /212
- TRANSPORT SPEED: up to 12 knots
- MAXIMUM WATER DEPTH: 3,000m designed / 2,285m outfitted
- MAXIMUM DRILLING DEPTH: 10,700m / 35,104 ft
- HEUCOCK
- MAST: NOV
- FLRIG TYPE
- MAXIMUM DRILLING DEPTH: 10,700m / 35,104 ft
- *With Offset Setback Standbuilding Capability
- SIGNIFICANT UPGRADES: December 2007 / N/A
- CONSTRUCTION SHIPYARD: SHI (Samsung Heavy Industries)
- RIG TYPE: Harsh Environment Dynamically Positioned DP Class 3 Drillship with Managed Pressure Drilling (MPD) capabilities
- WELL CONTROL EQUIPMENT
- BOP STACKS
- BOP CONTROL SYSTEM
- RISER
- Riser compensation: Active heave compensation
- DUAL BOP/LMRP sea fastening.
- All units personnel handling – smartphone based
- BOOMPOD:
- 2 x 7,500psi Hydraulic Chokes, 1 x 15,000psi Manual Chokes
- HD Choke Control System
- DIVERTER:
- GE KS103 500p 500psi WP Diverter
- Features: Designed for 65’5” Valve Table, Diverter Housing is 59” ID
- 21/4”/4” Packered ID, Pressure Rating of 500psi in Complete Shut Off CCS
- TREE STORAGE & HANDLING:
- 1 x NOV X-Mas Tree Gantry Crane, 264kips (120mT) Capacity
- 1 x NOV X-Max Tree Trolley, 551kips (250mT) Capacity
- 4 x NOV X-Max Tree Sticks, 264kips (120mT) Capacity
- 840 x 41ft (25.60m x 12.48m)
- POWER MANAGEMENT & MACHINERY
- MAIN POWER:
- 6 x Wartsila 62VC2 diesel engines rated at 7,29 MW driving
- 6 x ABB AMG 1120MR10 LSE alternators operating at 7 MW
- EMERGENCY POWER:
- 6 x ABB Unigear 11 kV switchboards to supply ABB Unigear 11kV emergency switchboard.
- POWER DISTRIBUTION:
- 3 x ABB Unigear 11kV switchboards with ABB REM 543 protection relays supplying 690 V, 440 V and 220 V distribution networks and with ABB ACS800 air-cooled variable speed drives.
- STORAGE CAPACITIES
- FUEL OIL:
- 0,808 m³ / 67,961 bbl
- LIQUID MUD
- Active: 1,004 m³ / 6,315 bbl
- Reserve: 998 m³ / 6,278 bbl
- BASE OIL:
- 490 m³ / 3,082 bbl
- BRINE:
- 490 m³ / 3,082 bbl
- DRILL WATER:
- 7,464 m³ / 28,078 bbl
- POTABLE WATER:
- 2,052 m³ / 12,907 bbl
- BENTONITE
- 105 m³
- BARITE
- 315 m³
- CRANES
- 1 x NOV Krake Knockdown Crane Booms, model OC3932KCE
- 3 x NOV Knuckle Boom Cranes, model OC9332KCE
- 1 fall: 311mT @ 45m radius
- 5 Fall: 517mT @ 31m radius
- All units personnel handling – standard 100mT Internal lift
- BOOM HANDLING:
- BOP override gantry crane with 2 x 157mT main winches and 1 x 20mT auxiliary winches
- 1 x BOP skid rated to 370t
- Dual BOP/LMRP sea fastening.
- RISER HANDLING:
- Riser overrides gantry crane including riser handling yoke.
- Crane rated to 2 x 20mT, yoke rated to 2 x 17.5mT
- TUBULAR HANDLING
- NOV Pohandling Knockdown Boom Crane, model G2013 PCE
- Gripper yoke size & Type: 2-7/8” to 22”, 3.5t SWL
- Without gripper: 2-7/8” to 22”, 3.5t SWL
- SDLCOMmercial@Stena.com www.stena-drilling.com

For additional information, please contact:
Stena Drilling Ltd, Greendbank Crescent, East Tullos, Aberdeen, AB22 3BG
Phone: +44 1224 891310 Fax: +44 1224 897089

These specifications are intended for general reference only. Equipment and Specifications are subject to change based on Contractual Status and Customer Requirements. Stena Drilling Ltd operates and maintains the equipment in compliance with company policies and procedures.
These specifications are intended for general reference only. Equipment and Specifications are subject to change based on Contractual Status and Customer Requirements. Stena Drilling Limited operates and maintains the equipment in compliance with company policies and procedures.