DRILLING (MPD)

TOP DRIVE ................................ [MAIN] NOV HPS-03 1000, 2 x ABB HXR 450 (LM6) AC-motors (2 x 990HP).

RISER FEED ................................... 1 x NOV horizontal riser handling catwalk for 80ft riser/slip-joints.

HP MUD SYSTEMS .................... Rated for 7,500psi –

SOLIDS CONTROL ...................... 5 x NOV Shale Shakers – VSM 300

DRILLFLOOR:

HOOKLOAD CAPACITY .............. [MAIN] 1000st static hookload (2,000,000 lbs),

HELIDECK.................................. Rated for EH-101 and S-92, Equipped with trace heating

MAXIMUM DRILLING DEPTH .... 10,700m / 35,104 ft    *With Offset Setback Standbuilding Capability

ACCOMODATION...................... 180,

CLASSIFICATION ....................... DNV:  + 1A1 Ship -shaped Drilling unit(N) BIS Crane DRILL(N)

STORAGE CAPACITIES

FUEL OIL ........... 10805.3 m^3 / 67963 bbl  LIQUID MUD ....... Active: 1068 m^3 / 6718 bbl

BASE OIL 490.3 m^3 / 3084 bbl  BULK CEMENT .... 420 m^3 / 2624 bbl

BRINE 490.3 m^3 / 3084 bbl  BARITE .... 315 m^3 / 1981 bbl

DRILL WATER .... 4464.3 m^3 / 28079 bbl  BENTONITE .... 105 m^3 / 660 bbl

POTABLE WATER .......... 2052.5 m^3 / 12910 bbl  SACK STORAGE .... 250 tonnes / 7,500 sacks

STATION KEEPING – PROPELLION SYSTEMS

THRUSTERS......................... 6 x Rolls Royce UUC-455, variable speed, fixed pitch, 360° azimuthing thrusters driven by 6 x ABB ACS650 5.5MW water-cooled variable speed drives.

DP SYSTEM ......................... Kongshög Kpos- DP-32 dual redundant control system and K-Pos DP-12 backup control system with 2 x HPF7, 1 x HARK, 3 x DGPS position reference systems.

MOORING SYSTEMS ............. 2 x 12.675 Mt Anchors

CRANES

3 x NOV Knuckle Boom Cranes, model OC3932KCE

1 fall: SWL 17mT @ 45m radius

2 x 15,000psi Hydraulic Chokes, 2 x 15,000psi Manual Chokes

Dedicated off-drillfloor pipe racking setback comprising dual NOV H-R IV quadruple stand height vertical pipe racking machines, 3 ½” to 13 5/8”, serving both main and aux wells.

Without gripper: SWL 14mT @ 17m radius

2 x 15,000psi Hydraulic Chokes, 2 x 15,000psi Manual Chokes

2 x 20mT, yoke rated to 2 x 17.5mT

2 x 15,000psi Hydraulic Chokes, 2 x 15,000psi Manual Chokes

Emergency Disconnect, Autoshear & Deadman (AMF) Emergency Control

Acoustic and API 17H ROV Intervention Secondary Control Systems

Emergency Power

6 x Main power generators each capable of operating as designated emergency generator rated at 7 MW with automatic change-over function from main switchboards to supply ABB Unigear 11 kV emergency switchboard.

Power Distribution

6 x ABB Unigear 11 kW switchboards with ABB REM 543 protection relay systems supplying 600 V, 440 V and 220 V distribution networks and with ABB ACS800 air-cooled variable speed drives.

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Power Distribution
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.