



Harsh Environment POSMOOR ATAR Twin Pontoon, 6 columns CS30 Semi-Submersible

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GENERAL INFORMATION

RIG TYPE / DESIGN.....	Harsh Environment POSMOOR ATAR Twin Pontoon, 6 columns CS30 Semi-Submersible
CONSTRUCTION SHIPYARD.....	Kvaerner Warnow Werft Shipyard, Warnemunde, Germany
YEAR ENTERED SERVICE / SIGNIFICANT UPGRADES.....	2001 / 2015 - Mid Life Upgrade / 2018- Mooring & Accommodation Upgrade
CLASSIFICATION.....	DNV: +1A1, Column Stabilized Drilling unit, Structure (N), Crane-offshore Drill(N) DYNPOS AUTRO, E0 HELDK, POSMOOR(ATAR) Recyclable UKVS
FLAG.....	United Kingdom (UK)
DIMENSIONS.....	95.5 m (Long) x 81.0m (Wide)
DRAFTS.....	21.5m operating / 11.5-12m transit
ACCOMMODATION.....	140
VARIABLE DECK LOAD.....	TBC post upgrade, estimated to be Drilling = 4577Mt, Survival = 4504Mt, Transit = 4555Mt
TRANSIT SPEED	up to 8 knots
MAXIMUM WATER DEPTH	650m / 2132ft
MAXIMUM DRILLING DEPTH	8,500m / 27,900ft
HELIDECK	Rated for EH-101 and S-92

DRILLING EQUIPMENT

MAST.....	Hydralift NOV 750-36 – 120ft free net height
HOOKLOAD CAPACITY	750 short ton (680 metric ton)
HOIST/DRAWWORKS	Hydralift NOV 750-36 RAM system, 3 x hydraulic cylinders, 680Mt
MOTION COMPENSATOR	Hydralift Passive Heave Compensator, 7,62m stroke, 680mt Active Heave Compensator, 7,62m stroke, 317mt
ROTARY TABLE	Wirth RTSS 60-1/2", 680Mt
TOP DRIVE.....	Hydralift HPS 750 2E AC Drive(TD), 750 short ton (680 metric ton), 7,500psi mud circuit
TUBULAR HANDLING	NOV Hydraulic Roughneck – F3482, tubular range 3 1/2" to 10", Maximum make-up/brake-out torque 270kNm NOV F3481-D1201-G0001 HydraRacker III
RISER FEED	Hydralift PR 30-65 w/ Catwalk, Up to 65 feet and 30 metric tons.
MUD PUMPS.....	3 x Continental Emsco FC-2200hp pumps – 7500psi
HP MUD SYSTEMS.....	Rated for 7,500psi
SOLIDS CONTROL	4 x Axiom AX 1 Shale Shakers

WELL CONTROL EQUIPMENT

BOP STACKS.....	5 ram cavity 18-3/4", 15000 psi, Cameron TL BOP with ST lock comprising:- LPR 3-1/2" to 6-5/8", MPR 3-1/2" to 6-5/8", UPR 3-1/2" to 6-5/8", 28" Casing shear rams, 18" CDVS Blind Shear rams. 2 Annulars, one in LMRP and one in BOP
BOP CONTROL SYSTEM	Cameron MKIII Multiplex BOP Control System. <i>Features;</i> Acoustic and API 17H ROV Intervention Secondary Control Systems Emergency Disconnect, Autoshear & Deadman (AMF) Emergency Control Systems
RISER.....	Cameron/Subsea Services RF, 65ft, 21" OD, Flanged Riser Telescoping Joint with 55ft Stroke and Remotely Operated Pull-in System (ROPS) (providing efficient hands free connection and disconnection of collexip hoses).
RISER TENSIONER	8 x 160kip (1287kips total), Hydralift/NOV MRT Wireline, 50ft wire travel
CHOKE MANIFOLD.....	Cameron 3-1/16" 15,000psi Choke Manifold <i>Features;</i> 3-1/16" 15,000psi Inlet / 4-1/16" 10,000psi Outlet 2 x 15,000psi Hydraulic Chokes, 2 x 15,000psi Manual Chokes HDI Choke Control System
DIVERTER.....	GE Vetco – KFDS-CSO 500 <i>Features;</i> Designed for 60.5" Rotary Table, Diverter Housing is 59" ID 22-1/2" Packer ID, Pressure Rating of 500psi in Complete Shut Off (CSO)
TREE STORAGE & HANDLING	3 x Houlder XMT bi-directional skids 120mT Capacity 1 x Mercur Solutions XMT carrier 70mT Capacity
MOONPOOL	70ft x 23ft (21.50 m x 7.00m)

POWER MANAGEMENT & MACHINERY

MAIN POWER	9 x Wartsila 9 16V24. engines rated at 3.6MW driving 9 x Siemens generators at 3.5MW
EMERGENCY POWER.....	All 9 Main engines classed as Emergency
POWER DISTRIBUTION	3 x Siemens 11kV 8DC11 switchboard with fixed-mounted switchgear supplying 690 V, 440 V and 220 V distribution networks

STORAGE CAPACITIES

FUEL OIL	3568.2 m ³ / 22,444 bbl	LIQUID MUD.....	Active: 631.3 m ³ / 3,971 bbl Reserve: 398 m ³ / 2,503 bbl Total: 1029 m ³ / 6,472 bbl
BASE OIL.....	263.6 m ³ / 1,658 bbl	BULK CEMENT	239.8 m ³ (4 tanks) / 1,508 bbl
BRINE	669.4 m ³ / 4,211 bbl	BARITE/BENTONITE...	239.8 (4 tanks) m ³ / 1,508 bbl
DRILL WATER	903.4 m ³ / 5,682 bbl	SACK STORAGE ...	2,000 sacks
POTABLE WATER.....	527.2 m ³ / 3,316 bbl		

STATION KEEPING – PROPULSION SYSTEMS

THRUSTERS	6 / Rolls Royce (KaMeWa) UUC 5501 Azimuth, variable speed, fixed pitch, non-retractable, 3300kW
DP SYSTEM	Kongsberg K-Pos DP-21 redundant control system and K-Pos DP-11 backup control system with 2 x HiPAP (with HAIN), 3 x DGNSS, 1 x taut wire
MOORING SYSTEMS	8 x Vryhof Stevpris Mk6 Anchors, Vicinay 76mm R5 chain - 1800m onboard capable of 2300m

CRANES

CRANES.....	2 x Hydralift Knuckle Boom Cranes, OKMCVC 4000 1 fall: SWL 17mT @ 45m radius 5 fall: SWL 85mT @ 17m radius
BOP HANDLING	BOP overhead gantry crane with 2 x 160mT main winches and 2 x 30mT auxiliary winches. 1 x BOP skid rated to 320mT with 100mT XMT insert.
RISER HANDLING	Port Knuckle Boom made up to riser yoke rated to 15mT.
TUBULAR HANDLING.....	NOV Pipehandling Knuckle Boom Crane

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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.

