

ROTARY TABLE.

TUBULAR HANDLING.

RISER FEED ..

DUAL MUD SYSTEM.

OFFLINE STANDBUILDING...

Stena Forth

Harsh Environment Dynamically Positioned DP Class 3 Drillship with dual-fluid handling capabilities

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WELL CONTROL EQU	IIPMENT			
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GENERAL INFORMATION	WELL CONTROL EQUIPMENT			
RIG TYPE / DESIGNDynamically Positioned, Harsh Environment DP3 Drillship	BOP STACKS2 x 6 Ram, 2 Annular, Cameron 18-3/4" 15,000psi TL BOP Stacks			
CONSTRUCTION SHIPYARD SHI (Samsung Heavy Industries)	Features API S53 Class 7-A2-R5, Wet BOP weight of 660 kips (< 320mT)			
YEAR ENTERED SERVICE /	BOP Footprint 160" x 200",			
SIGNIFICANT UPGRADESAugust 2009 / N/A	Blind Shear Rams fitted with Tandem Booster Bonnets			
CLASSIFICATIONDNV: +1A1 Ship-shaped Drilling unit(N) BIS Crane DRILL(N) DYNPOS(AUTRO) E0 F(A, M) HELDK(S, H) Recyclable UKVS	Upper Annular (LMRP) Hydril 18-3/4" 10,000psi GX Lower Annular (Lower Stack) Cameron 18-3/4" 10,000psi DL			
FLAGUnited Kingdom (UK)	Vetco SHD H4 Wellhead Connector 27" (30" adapter kit available)			
DIMENSIONS228 m (Long) x 42m (Wide) x 19m (moulded depth)	BOP CONTROL SYSTEMCameron MKIII Multiplex Primary & Secondary BOP Control Systems. Secondary BOP control system used for offline testing of setback BOP stack			
DRAFTS12m (39.4 ft) operating / 8.5m (27.9 ft) transit	(minimising end of well maintenance time).			
ACCOMODATION220	Features; Acoustic and API 17H ROV Intervention Secondary Control Syst			
VARIABLE DECK (OPERATING) 19,500Mt @12m	Emergency Disconnect, Autoshear & Deadman (AMF) Emergency Control			
TRANSIT SPEEDup to 12 knots	Systems			
MAXIMUM WATER DEPTH 3,000m designed / 2,285m outfitted - Additional Riser Available 10,000 ft designed / 7,500 ft outfitted - Additional Riser Available	RISER			
MAXIMUM DRILLING DEPTH 10,700m / 35,104 ft *With Offset Setback Standbuilding Capability	Subsea Services Remotely Operated Pull-in System (ROPS) (providing			
HELIDECKRated for EH-101 and S-92, Equipped with trace heating	efficient hands free connection and disconnection of coflexip hoses).			
	RISER TENSIONER			
DRILLING EQUIPMENT	Features; 48.5ft stroke, Riser Anti-Recoil System			
MASTNOV Dual Hoisting and Drilling Tower - Offline Standbuilding Capability	CHOKE MANIFOLD			
HOOKLOAD CAPACITY[MAIN] 1000st static hookload (2,000,000 lbs), upgradeable to 1250st [AUX] 600st static hookload (1,200,000 lbs)	2 x 15,000psi Hydraulic Chokes, 2 x 15,000psi Manual Chokes HDI Choke Control System			
HOIST/DRAWWORKS[MAIN] Hydraulic NOV Cylinder Hoisting Rig system with emergency	DIVERTERGE KFDS-CSO 500psi WP Diverter			
lift/boost speed accumulator system Rated to a capacity of 2,300,000lbs - upgradeable to a capacity of 1400st	Features; Designed for 60.5" Rotary Table, Diverter Housing is 59" ID			
[AUX] Hydraulic NOV Cylinder Hoisting Rig system with emergency	21-1/4" Packer ID, Pressure Rating of 500psi in Complete Shut Off (CSO)			
lift/boost speed accumulator system Rated to a capacity of 1,200,000lbs	TREE STORAGE & HANDLING 1 x NOV X-Mas Tree Gantry Crane, 264kips (120mT) Capacity 1 x NOV X-Mas Tree Trolley, 264kips (120mT) Capacity			
MOTION COMPENSATOR[MAIN] NOV Deadline Compensator with active heave compensation.	4 x NOV X-Mas Tree Skids, 264kips (120mT) Capacity			

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TREE STORAGE & HANDLING 1 x NOV X-Mas Tree Gantry Crane, 264kips (120	mT) Capacity	
1 x NOV X-Mas Tree Trolley, 264kips (120mT) C	apacity	
4 x NOV X-Mas Tree Skids, 264kips (120mT) Cap	acity	
MOONPOOL84ft x 41ft (25.60m x 12.48m)		
POWER MANAGEMENT & MACHINERY		

[MAIN]	NOV	RST	60-1/2",	static	load	rating	of	1250st,	MAIN POWER
max toro	que 57,0	00ft-lb	s						6 x ABB AMG 1120MR10 LSE alternators rated at 7.4 MW

[AUX] NOV RST 49-1/2", static load rating of 800st, max torque 47,160ft-lbs .6 x Main power generators each capable of operating as designated emergency generator rated at 7.4 MW with automatic change-over TOP DRIVE [MAIN] NOV HPS-03 1000, 2 x ABB HXR 450 (LM6) AC-motors (2 x 990HP). function from main switchboards to supply ABB Unigear 11 kV emergency 1,000st static load rating, max continuous drilling torque 68,888ft-lb. Upgradeable to NOV TDX 1250 switchboard.

[AUX] NOV HPS-03 750, 2 x ABB HXR 450 (LM8) AC-motors (2 x 1000HP). POWER DISTRIBUTION. 3 x ABB Unigear 11 kV switchboards with ABB REM 543 protection relays 750st static load rating, max continuous drilling torque 68,900 ft-lb supplying $690\,$ V, 440 V and 220 V distribution networks and with ABB ACS800 air-cooled variable speed drilling drives. . Drillfloor: Main and aux well NOV MPT 200 Hydratong Roughnecks, tubular range

3 1/2" to 9 3/4". Maximum make-up/brake-out torque: 140/200kNm	STORAGE CAPACITIES		
respectively. Casing tong KT-7585 data: Jaw range: 2 3/8" to 8 5/8" (inch), Max torque: 25,000 Ft-Lb KT-20000 data: Jaw range 8 5/8" to 20" Max	FUEL OIL10,805 m ³ 67,961 bbl	LIQUID MUD Active:	1,004 m ³ 6,315 bbl
torque 51,800 ft/lbs		Reserve:	2,345 m ³ 14,750 bbl
	BASE OIL490 m ³ 3,082 bbl	Total:	3,350 m ³ 21,065 bbl
NOV horizontal pipe handling catwalk machine for single drillpipes, collars and casing. Pipe size range from 2 7/8" to 36" OD. for singles up to 50ft.	BRINE490 m ³ 3,082 bbl [Dual-Fluid Mode 1,183 m3 11,532 bbl]	BULK CEMENT420 m ³	

and casing. Pipe size range from 2 7/8" to 36" OD, for singles up to 50ft.	[Dual-Fluid Mode 1,183 m3 11,532 bbl]	BARITE315 m ³ 1,981 bbl
	DRILL WATER4,464 m3 28,079 bbl	BENTONITE 105 m ³ 660 bbl
Setback:	POTABLE WATER2,052 m3 12,910 bbl	SACK STORAGE 250 tonnes 7,500 sacks
Dedicated off-drillfloor pipe racking setback comprising dual NOV HR-IV		
quadruple stand height vertical pipe racking machines,3 ½" to 13 5/8",		
serving both main and aux wells.	STATION KEEPING – PROPULSION SYSTEMS	

THRUSTERS.

•	dratong Roughneck, tubular rang lata: Jaw range: 2 3/8" to 8 5/8" (i			thrusters driven by 6 x ABB ACS6000 5.5MW water-cooled variable speed drives.	
Max torque: 25,000 Ft	-Lb KT-20000 data: Jaw range 8	5/8" to 20" Max	DP SYSTEM	Kongsberg K-Pos DP-32 dual redundant control system and K-Pos DP-12	
torque	51,800	ft/lbs		backup control system with 2 x HiPAP, 1 x HAIN, 3 x DGPS position reference	
				systems.	
	andling catwalk machine for single range from 2.7/8" to 38" for		MOORING SYSTEMS	2 x 12.675 Mt Anchors	

	and casing. Tipe size range from 2 7/8 to 38 for singles up to 30ft.				
	1 x Torque Master; 3-1/2" to 14" Diameter (90 to 355mm) Tailstock 3-1/2" to 18" Diameter (90 to 457mm) Headstock 2-3/4" to 13-1/4" Diameter (70 to 336mm) Tailstock using extended	CRANES			
MUD PUMPS	tong dies 2-3/4" to 17-1/4" Diameter (70 to 438mm) Headstock using extended tong dies4 x National FC2200 pumps – 7500psi	BOP HANDLING	BOP overhead gantry crane with 2 x 175mT main winches and 1 x 20mT auxiliary winches. 1 x BOP skid rated to 370mT		
HP MUD SYSTEMS	Rated for 7,500psi – Dual Fluid System 5 x NOV Shale Shakers – Multi Sizer. Flow line camera installed.	RISER HANDLING	Riser overhead gantry crane including riser handling yoke. Crane rated to 2 x 20mT, yoke rated to 2 x 17.5mT		
DUAL MUD SYSTEM	2 WAY FLOW DIVIDED (RRINE) & 5 WAY FLOW DIVIDED (MIID) DOLINE	TUBULAR HANDLING	NOV Pipehandling Knuckle Boom Crane, model C2201 PCE		

Gripper yoke size & Type: Without gripper: MANAGED PRESSURE DRILLING (MPD). MPD-Ready upgradeable for Stena Drilling owned MPD System

Stena Drilling

2-7/8" to 20", 3.5mT SWL SWL 14mT @ 17m radius

SWL 6mT @ 29m radius

..6 x Rolls Royce UUC-455, variable speed, fixed pitch, 360° azimuthing

2 WAY FLOW DIVIDER (BRINE) & 5 WAY FLOW DIVIDER (MUD) DOUBLE

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

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