

**General information**

Wellbore name	30/9-27 S
Type	EXPLORATION
Purpose	APPRAISAL
Status	PLUGGED
Press release	link to press release
Factmaps in new window	link to map
Main area	NORTH SEA
Field	OSEBERG
Discovery	30/9-19
Well name	30/9-27
Seismic location	
Production licence	104
Drilling operator	Statoil Petroleum AS
Drill permit	1529-L
Drilling facility	SONGA DELTA
Drilling days	6
Entered date	20.08.2015
Completed date	25.08.2015
Plugged date	25.08.2015
Release date	25.08.2017
Publication date	25.08.2017
Purpose - planned	WILDCAT
Reentry	NO
Content	OIL
Discovery wellbore	NO
1st level with HC, age	MIDDLE JURASSIC
1st level with HC, formation	TARBERT FM
Kelly bushing elevation [m]	29.0
Water depth [m]	103.0
Total depth (MD) [m RKB]	3989.0
Final vertical depth (TVD) [m RKB]	3353.0
Oldest penetrated age	MIDDLE JURASSIC
Oldest penetrated formation	NESS FM
Geodetic datum	ED50
NS degrees	60° 24' 0.53" N
EW degrees	2° 40' 15.76" E
NS UTM [m]	6696178.71
EW UTM [m]	481872.79



UTM zone	31
NPDID wellbore	7522

Wellbore history

General

Well 30/9-27 S was drilled on the Oseberg Fault Block in the North Sea. It was drilled as a sidetrack to the 30/9-O-2 H development well. The main objective was to prove commercial volumes in the southern part of the Middle Tarbert (MT) Formation Parkes prospect.

Operations and results

Appraisal well 30/9-27 kicked off from the 14" casing shoe at 2294 m in Development well 30/9-O-2 H on 20 August 2015. It was drilled with 8 1/2" BHA to TD in the Ness Formation at 3989 m and plugged back. No significant problem was encountered in the operations. The well bore was drilled with oil based mud.

The measured reservoir pressure in MT indicates that MT is depleted by 30 to 40 bar, and that the segment-bounding fault between southern and northern segments of the Parkes prospect therefore is not a complete barrier. The logs document the reservoir quality and filling level, giving OWC at 3242m TVD MSL.

No cores were cut. No fluid sample was taken.

The exploration well bore was plugged back and abandoned on 25 August 2015 as an oil appraisal well.

Testing

No drill stem test was performed.

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
132	NORDLAND GP
625	UTSIRA FM
850	HORDALAND GP
2176	ROGALAND GP
2176	BALDER FM
2238	SELE FM
2300	LISTA FM
2470	VÅLE FM
2486	SHETLAND GP
3426	CROMER KNOLL GP
3460	VIKING GP



3460	DRAUPNE FM
3558	HEATHER FM
3656	BRENT GP
3656	TARBERT FM
3946	NESS FM

Logs

Log type	Log top depth [m]	Log bottom depth [m]
DGR EWR -P4D	215	1175
EWR-P4 DGR	212	555
OT	1175	2291
ZT GR OT	2296	3569
ZT GR OT LT TT	3569	4263

Casing and leak-off tests

Casing type	Casing diam. [inch]	Casing depth [m]	Hole diam. [inch]	Hole depth [m]	LOT/FIT mud eqv. [g/cm3]	Formation test type
CONDUCTOR	36	204.4	36	217.0	0.00	
PILOT HOLE		555.0	9 7/8	555.0	0.00	
SURF.COND.	20	1164.2	26	1178.0	1.65	FIT
INTERM.	14	2279.9	17 1/2	2291.0	1.65	FIT
		2294.0		2294.0	1.60	FIT
OPEN HOLE		3989.0	8 1/2	3989.0	0.00	

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
2250	1.35	24.0		Innovert	
2295	1.43	22.0		Innovert	
2295	1.60	21.0		Innovert	
2307	1.35	21.0		Innovert	
2550	1.35	17.0		Innovert	
3006	1.35	19.0		Innovert	
3439	1.35	20.0		Innovert	
3723	1.35	24.0		Innovert	



3989	1.35	24.0		Innovert	
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