Generell informasjon

Brønnbane navn	30/9-26 S
Type	EXPLORATION
Formål	APPRAISAL
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Felt	OSEBERG
Funn	30/9-19
Brønn navn	30/9-26
Seismisk lokalisering	
Utvinningstillatelse	079
Boreoperatør	Statoil Petroleum AS
Boretillatelse	1519-L
Boreinnretning	SONGA DELTA
Boredager	13
Borestart	10.11.2014
Boreslutt	22.11.2014
Frigitt dato	22.11.2016
Publiseringsdato	18.12.2017
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	OIL
Funnbrønnbane	NO
1. nivå med hydrokarboner, alder	MIDDLE JURASSIC
1. nivå med hydrokarboner, formasjon.	TARBERT FM
Avstand, boredekk - midlere havflate [m]	29.0
Vanndybde ved midlere havflate [m]	104.0
Totalt målt dybde (MD) [m RKB]	4568.0
Totalt vertikalt dybde (TVD) [m RKB]	3367.0
Maks inklinasjon [°]	57.2
Eldste penetrerte alder	MIDDLE JURASSIC
Eldste penetrerte formasjon	TARBERT FM
Geodetisk datum	ED50
NS grader	60° 27' 24.8'' N
ØV grader	2° 41' 42.58'' E
NS UTM [m]	6702492.15

ØV UTM [m]	483230.99
UTM sone	31
NPDID for brønnbanen	7491

Brønnhistorie

General

Well 30/9-26 S was drilled on the Oseberg Delta 2 south-west of the Oseberg Main field. The primary objective of the exploration pilot was to investigate HC-potential and pressure in the Tarbert Formation in the S1-segment.

Operations and results

Appraisal well 30/9-26 S was kicked off from below the 14" shoe at 3003 m (2441 m TVD) in development well 30/9-P-1 H on 10 November 2014. It was drilled with the semi-submersible installation Songa Delta to TD at 4568 m (3367 m TVD) in the Middle Jurassic Tarbert Formation. Operations proceeded without significant problems. The well was drilled with Enviromul oil based mud from kick-off to TD.

Top Tarbert Formation came in at 4460 m (3226 m TVD). The Tarbert Formation reservoir appeared as layered sands separated by silty and shaly layers rather than the 40-50 m thick and continuous sand package that was anticipated. The Middle Tarbert reservoir sands proved to be severely pressure depleted. The Middle Tarbert 2.3 pressure was ca 195 bar and the Middle Tarbert 2.1 pressure was ca 180 bar. This correspond to depletions of 170 bar and 155 bar respectively, in these two sands compared to the virgin pressure in well 30/9-21 S. The OWC in 30/9-26 S was identified at 4434 m (3271 m TVD). No shows analysis was performed because oil-based mud was used to drill the well.

No cores were cut. No fluid sample was taken.

The well was permanently abandoned on 22 November 2016 as an oil appraisal well.

Testing

No drill stem test was performed.

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
2916	SHETLAND GP
4026	CROMER KNOLL GP
4076	VIKING GP
4076	DRAUPNE FM
4126	HEATHER FM
4307	BRENT GP
4307	TARBERT FM

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
MWD - ABG DGR ADR ALD CTN GEO BA	3298	4568
MWD - DGR EWR-P4	3000	3298

Foringsrør og formasjonsstyrketester

Type utforing	Utforing diam. [tommer]	Utforing dybde [m]	Brønnbane diam. [tommer]	Brønnbane dyp [m]	LOT/FIT slam eqv. [g/cm3]	Type formasjonstest
INTERM.	14	2966.0	17 1/2	3000.0	1.60	FIT
OPEN HOLE		3298.0	12 1/4	3298.0	0.00	
OPEN HOLE		4568.0	8 1/2	4568.0	0.00	

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
3249	1.46	34.0		Enviromul	
3354	1.45	30.0		Enviromul Yellow	
3737	1.46	33.0		Enviromul Yellow	
4098	1.45	34.0		Enviromul Yellow	
4245	1.46	32.0		Enviromul	
4261	1.45	35.0		Enviromul Yellow	
4486	1.45	32.0		Enviromul Yellow	
4568	1.46	32.0		Enviromul	