

## Generell informasjon

Brønnbane navn	25/8-17
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	<a href="#">lenke til pressemelding</a>
Faktakart i nytt vindu	<a href="#">lenke til kart</a>
Hovedområde	NORTH SEA
Felt	<a href="#">JETTE</a>
Funn	<a href="#">25/8-17 Jette</a>
Brønn navn	25/8-17
Seismisk lokalisering	xline 4558 inline 1341 NO07M01
Utvinningstillatelse	<a href="#">027 D</a>
Boreoperatør	ExxonMobil Exploration and Production Norway AS
Boretillatelse	1266-L
Boreinnretning	<a href="#">BREDFORD DOLPHIN</a>
Boredager	21
Borestart	09.10.2009
Boreslutt	29.10.2009
Frigitt dato	29.10.2011
Publiseringsdato	29.10.2011
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	OIL
Funnbrønnbane	YES
1. nivå med hydrokarboner, alder	PALEOCENE
1. nivå med hydrokarboner, formasjon.	HEIMDAL FM
Avstand, boredekk - midlere havflate [m]	25.0
Vanndybde ved midlere havflate [m]	127.0
Totalt målt dybde (MD) [m RKB]	2233.0
Totalt vertikalt dybde (TVD) [m RKB]	2233.0
Maks inklinasjon [°]	1.5
Temperatur ved bunn av brønnbanen [°C]	86
Eldste penetrerte alder	PALEOCENE
Eldste penetrerte formasjon	TY FM

Geodetisk datum	ED50
NS grader	59° 23' 32.14" N
ØV grader	2° 20' 2.2" E
NS UTM [m]	6584073.73
ØV UTM [m]	462168.23
UTM sone	31
NPDID for brønnbanen	6185

## Brønnhistorie

### General

Well 25/8-17 was drilled on the Jetta prospect on Heimdal Terrace, south of the Jotun Field in the North Sea. The objective was to test the hydrocarbon and reservoir potential of the Paleocene Heimdal Formation. It was planned as a vertical well. A side track was planned in case of a discovery.

### Operations and results

Wildcat well 25/8-17 was spudded with the semi-submersible installation Bredford Dolphin on 9 October 2009 and drilled to TD at 2233 m in the Late Paleocene Ty Formation. Pilot holes were drilled from surface and after setting the 30" conductor to check for shallow gas. At 244 meters small amounts of bubbles were detected with the ROV, but when taking a flow check no more bubbles were seen. No significant technical problem occurred in the operations. The well was drilled with bentonite and seawater with hi-vis sweeps down to 222 m, with seawater and BARAZAN sweeps from 222 m to 1086 m, and with Performadril mud with 4.5 - 5 % glycol from 1086 m to TD.

The target Heimdal Formation was penetrated at 2077 m and the upper sands were found hydrocarbon bearing. Analysis of logs, formation pressures and fluid samples gave a most likely oil water contact (OWC) at 2111 m (2086 m TVD MSL). However, pressure gradients indicated OWC at 2116 m, while shows on sandstones were recorded down to 2115 m. The oil bearing sands were between 3 and 1 m thick, but with excellent reservoir properties with average porosity of 24%. The average oil saturation in the upper two oil sands is 77 % and 50 % respectively. A massive, water bearing sandstone is present roughly in the middle part of Heimdal, with the same reservoir properties as the thinner oil bearing sands above.

No cores were cut. MDT wire line samples were taken at 2094 m (oil), 2110.5 m (oil with some water), and at 2120.8 m (water).

It was decided to drill a geological side track (25/8-17 A) towards the north-east, in an attempt to find thicker Heimdal sands. The well was plugged back and sidetracked on 29 October 2009. It is classified as an oil discovery

### Testing

No drill stem test was performed.

## Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
1090.00	2232.00

Borekaks tilgjengelig for prøvetaking?	YES
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### Litostratigrafi

Top depth [mMD RKB]	Lithostrat. unit
152	<a href="#">NORDLAND GP</a>
453	<a href="#">UTSIRA FM</a>
1013	<a href="#">HORDALAND GP</a>
1165	<a href="#">SKADE FM</a>
1199	<a href="#">NO FORMAL NAME</a>
1224	<a href="#">GRID FM</a>
1322	<a href="#">NO FORMAL NAME</a>
1918	<a href="#">ROGALAND GP</a>
1918	<a href="#">BALDER FM</a>
1997	<a href="#">SELE FM</a>
2033	<a href="#">LISTA FM</a>
2077	<a href="#">HEIMDAL FM</a>
2207	<a href="#">TY FM</a>

### Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CMR PEX HRLA	1080	2202
LWD - EWR GR PWD DIR	152	222
LWD - EWR GR PWD DIR	222	1086
LWD - EWR GR PWD DIR CTN DEN SON	1086	2233
MDT	2080	2170
VSI-4	152	2208

### 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
CONDUCTOR	30	218.0	36	217.6	0.00	LOT
SURF.COND.	13 3/8	1080.0	17 1/2	1086.0	0.00	LOT

OPEN HOLE		2233.0	12 1/4	2233.0	0.00	LOT
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### Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
1086	1.35	31.0		PERFORMADRIL	
1090	1.34	17.0		XP-07 Yellow	
1347	1.35	34.0		PERFORMADRIL	
1516	1.35	41.0		PERFORMADRIL	
1758	1.35	50.0		PERFORMADRIL	
2098	1.35	48.0		PERFORMADRIL	
2233	1.35	44.0		PERFORMADRIL	

### Trykkplott

Porertrykksdataene kommer fra logging i brønnen hvis ingen annen kilde er oppgitt. I noen brønner der trykk ikke er logget, er det brukt informasjon fra formasjonstester eller brønnspark. Trykkdataene er rapportert inn til Oljedirektoratet og videre prosessert og kvalitetssikret av IHS Markit.

Dokument navn	Dokument format	Dokument størrelse [KB]
<a href="#">6185 Formation pressure (Formasjonstrykk)</a>	pdf	0.22

