



Generell informasjon

Brønnbane navn	6201/11-3 R
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORWEGIAN SEA
Funn	6201/11-3 R (Albert)
Brønn navn	6201/11-3
Seismisk lokalisering	STO503 inline 2739 & crossline 2511
Utvinningstillatelse	519
Boreoperatør	Lundin Norway AS
Boretillatelse	1395-L2
Boreinnretning	BREDFORD DOLPHIN
Boredager	67
Borestart	15.08.2012
Boreslutt	20.10.2012
Plugget og forlatt dato	20.10.2012
Frigitt dato	20.10.2014
Publiseringsdato	02.12.2014
Opprinnelig formål	WILDCAT
Gjenåpnet	YES
Årsak til gjenåpning	DRILLING
Innhold	OIL
Funnbrønnbane	YES
1. nivå med hydrokarboner, alder	LATE CRETACEOUS
1. nivå med hydrokarboner, formasjon.	KYRRE FM
Avstand, boredekk - midlere havflate [m]	25.0
Vanndybde ved midlere havflate [m]	382.0
Totalt målt dybde (MD) [m RKB]	3000.0
Totalt vertikalt dybde (TVD) [m RKB]	3000.0
Maks inklinasjon [°]	1.7
Temperatur ved bunn av brønnbanen [°C]	115
Eldste penetrerte alder	PERMIAN
Eldste penetrerte formasjon	ZECHSTEIN GP



Geodetisk datum	ED50
NS grader	62° 2' 44.96" N
ØV grader	1° 30' 13.07" E
NS UTM [m]	6880352.98
ØV UTM [m]	421743.00
UTM sone	31
NPDID for brønnbanen	7110

Brønnhistorie

General

Well 6201/11-3 R is a re-entry of well 6201/11-3. The well is located on the Manet Ridge in the northernmost North Sea between the Magnus and Møre Basins. Well 6201/11-3 was suspended at 2120 m before the main target was reached because the certification for the rig expired. The re-entry was done to fulfil the well objectives. The primary objective was to investigate the Albert prospect, a Late Cretaceous succession untested by the neighbouring well 6201/11-1, where Statoil found oil in the Triassic Lunde Formation in 1987. Secondary objectives were sandstones in the Paleocene (reached in the primary entry) and sandstones in the Triassic.

Operations and results

Wildcat well 6201/11-3 was re-entered with the semi-submersible installation Bredford Dolphin on 15 August 2012. The re-entry was drilled from 2120 m to TD at 3000 m in the Late Permian Zechstein Group. The well was drilled with Performadril/GEM mud from Kick-off to TD.

Oil was proven in the uppermost part of the primary target, a 3.5 m thick Kyrre Formation chalk reservoir with top at 2620.8 m. A successful mini-DST proved good hydrocarbon productivity in the chalk formation. The lower Triassic primary objective was found to contain tight sandstone reservoir facies with oil shows.

Five cores were cut in the well. Cores 1 and 2 were cut in the Kyrre Formation in the interval 2621.5 m to 2651.8 m. Cores 3, 4, and 5 were cut in the Lunde Formation in the intervals 2710 m to 2718 m, 2754 m to 2758 m, and 2795 m to 2809.4 m, respectively. Core recoveries varied from 7.5 to 100%. MDT oil samples were acquired at 2621.7 m, 2621.8, and 2624.0 m in the Kyrre Formation. MDT water samples were acquired at 2737.6 m, 2834.4 m, and 2836.9 m in the Lunde Formation.

The well was permanently abandoned on 20 October 2012 as an oil discovery.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
2123.00	3000.00



Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerner i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	2621.5	2624.8	[m]
2	2628.4	2651.8	[m]
3	2710.0	2716.7	[m]
4	2754.0	2754.3	[m]
5	2795.0	2809.4	[m]

Total kjerneprøve lengde [m]	48.0
Kjerner tilgjengelig for prøvetaking?	YES

Oljeprøver i Sokkeldirektoratet

Test type	Flaske nummer	Topp dyp MD [m]	Bunn dyp MD [m]	Væske type	Test tidspunkt	Prøver tilgjengelig
MDT		2736.30	0.00	OIL	04.10.2012 - 00:00	YES
MDT		0.00	2736.30	OIL	04.10.2012 - 00:00	YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
407	NORDLAND GP
407	UNDIFFERENTIATED
1275	UTSIRA FM
1301	HORDALAND GP
1301	UNDIFFERENTIATED
1808	ROGALAND GP
1808	BALDER FM
1855	SELE FM
1892	LISTA FM
2018	VÅLE FM
2032	SHETLAND GP



2032	JORSALFARE FM
2156	KYRRE FM
2703	HEGRE GP
2703	LUNDE FM
2783	TEIST FM
2925	NO FORMAL NAME
2940	ZECHSTEIN GP
2940	UNDIFFERENTIATED

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CMR MDT	2621	2836
FMI PPC MSIP PPC EDTC	1750	2990
HRLA PEX ECS HNGS	2518	2992
MDT	2621	2842
MSCT GR	2620	2707
MSCT GR	2705	2972
MSCT GR	2708	2962
MWD - ARC TELE SON SADN	2058	2517
MWD - SON TELE ECO GVR	2520	2999
USIT CBL	1445	1959
VSP GR	1349	2980

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.	9 5/8	2521.0	12 1/4	2523.0	1.84	LOT
OPEN HOLE		3000.0	8 1/2	3000.0	0.00	

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
2240	1.64	45.0		Water base	
2550	1.67	50.0		Water base	
3000	1.70	44.0		Water base	



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 brønnspar. Trykkdataene er rapportert inn til Oljedirektoratet og videre prosessert og kvalitetssikret av IHS Markit.

Dokument navn	Dokument format	Dokument størrelse [KB]
7110 Formation pressure (Formasjonstrykk)	PDF	0.23

