Generell informasjon

Brønnbane navn	35/11-16 S
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	35/11-16
Seismisk lokalisering	(NH0711STT2).inline 2635 & crossline 1128
Utvinningstillatelse	248 C
Boreoperatør	Statoil Petroleum AS
Boretillatelse	1493-L
Boreinnretning	SONGA TRYM
Boredager	65
Borestart	10.01.2014
Boreslutt	18.03.2014
Frigitt dato	18.03.2016
Publiseringsdato	18.03.2016
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	25.0
Vanndybde ved midlere havflate [m]	367.0
Totalt målt dybde (MD) [m RKB]	3554.0
Totalt vertikalt dybde (TVD) [m RKB]	3236.0
Maks inklinasjon [°]	40.7
Temperatur ved bunn av brønnbanen [°C]	118
Eldste penetrerte alder	LATE JURASSIC
Eldste penetrerte formasjon	SOGNEFJORD FM
Geodetisk datum	ED50
NS grader	61° 8' 14.37'' N
ØV grader	3° 30' 35.87'' E
NS UTM [m]	6778351.42
ØV UTM [m]	527463.86
UTM sone	31
NPDID for brønnbanen	7303

Brønnhistorie

General

Well 35/11-16 S was drilled to test the Juv prospect on the Lomre Terrace north of the Troll Field in the North Sea. The primary objective was to prove presence of hydrocarbons in the Sognefjord Formation in the Fram area.

Operations and results

Wildcat well 35/11-16 S was spudded with the semi-submersible installation Songa Trym on 10 January 2014. The well was drilled with an S-shaped well path due to simultaneous operations with production drilling in Fram area. The well was drilled down to 12 1/4" section TD at 3272 m in the Draupne Formation. Due rough weather, the hole was left open for 4 days and a wiper trip was performed. During the wiper trip, circulation was lost. The well was plugged back and a technical sidetrack was performed from 1180 m through 13 3/8" casing. The sidetrack reached final TD at 3554 m in the Late Jurassic Sognefjord Formation. The well was drilled with seawater and hi-vis sweeps down to 668 m, with KCl/polymer/GEM GP mud from 668 m to 1321 m, with XP-07 oil based mud from 1321 m to 3008 m, and with KCl/polymer/GEM GP mud from 3008 m to TD.

The well penetrated about 9 m net of water-bearing Intra Draupne Formation sandstones with relatively good reservoir quality. Oil shows were described in the interval 3329 to 3340 m in these sandstones.

One short core was cut in the technical sidetrack, from 3348.6 to 3353.8 m. All wire line logs are from the technical side track. No fluid sample was taken.

The well was permanently abandoned on 18 March 2014 as a dry well with shows.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
680.00	3272.60

Borekaks tilgjengelig for prøvetaking?	YES

Borekjerner i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	3348.6	3351.9	[m]

Total kjerneprøve lengde [m]	3.3

Kjerner tilgjengelig for prøvetaking?	YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
392	NORDLAND GP
392	UNDIFFERENTIATED
726	UTSIRA FM
750	HORDALAND GP
750	UNDIFFERENTIATED
985	SKADE FM
1157	UNDIFFERENTIATED
1632	ROGALAND GP
1632	BALDER FM
1703	SELE FM
1793	LISTA FM
1809	HEIMDAL FM
1882	LISTA FM
1935	VÅLE FM
2015	TY FM
2134	SHETLAND GP
2134	JORSALFARE FM
2338	KYRRE FM
2839	TRYGGVASON FM
2910	BLODØKS FM
2916	SVARTE FM
2923	CROMER KNOLL GP
2923	RØDBY FM
2968	SOLA FM
2997	ÅSGARD FM
3165	VIKING GP
3165	DRAUPNE FM
3329	INTRA DRAUPNE FM SS
3375	HEATHER FM
3416	SOGNEFJORD FM

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
MWD-ARC VIS TELE	443	668
MWD-PDX6 ARC9 TELE	668	1321
MWD-TELE	392	443
MWD-XCEED ARC8 TELE SADN8	1321	3272

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	439.8	36	443.0	0.00	
SURF.COND.	20	661.5	26	668.0	1.22	FIT
INTERM.	13 3/8	1314.3	17 1/2	1321.0	1.50	FIT
LINER	9 5/8	3007.8	12 1/4	3008.0	1.43	FIT
OPEN HOLE		3554.0	8 1/2	3554.0	0.00	

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
668	1.14	19.0		KCl/Polymer/GEM	
1100	1.33	24.0		XP-07 - Yellow	
1140	1.39	20.0		XP-07 - Yellow	
1194	1.14	22.0		KCl/Polymer/GEM	
1200	1.33	22.0		XP-07 - Yellow	
1311	1.14	21.0		KCl/Polymer/GEM	
1343	1.33	20.0		XP-07 - Yellow	
1350	1.37	20.0		XP-07 - Yellow	
1350	1.24	15.0		KCl/Polymer/GEM	
1530	1.37	22.0		XP-07 - Yellow	
1800	1.33	24.0		XP-07 - Yellow	
1938	1.37	23.0		XP-07 - Yellow	
2323	1.33	24.0		XP-07 - Yellow	
2799	1.39	24.0		XP-07 - Yellow	
2850	1.37	26.0		XP-07 - Yellow	
3011	1.14	19.0		KCl/Polymer/GEM	
3065	1.37	26.0		XP-07 - Yellow	
3110	1.14	11.0		KCl/Polymer/GEM	

3200	1.24	15.0		KCl/Polymer/GEM	
3272	1.39	29.0		XP-07 - Yellow	
3274	1.39	24.0		XP-07 - Yellow	
3290	1.21	15.0		KCl/Polymer/GEM	
3348	1.21	15.0		KCl/Polymer/GEM	
3554	1.25	12.0		KCl/Polymer/GEM	