



Generell informasjon

Brønnbane navn	30/11-12 S
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Felt	MUNIN
Funn	30/11-12 S (Askja Sørøst)
Brønn navn	30/11-12
Seismisk lokalisering	MC3D-NVG05STZ12-PSDM-KIR-FULLSTK-FIN-D:Inline 1157.crossline 2174
Utvinningstillatelse	035
Boreoperatør	Statoil Petroleum AS
Boretillatelse	1614-L
Boreinnretning	SONGA DELTA
Boredager	27
Borestart	08.04.2016
Boreslutt	04.05.2016
Frigitt dato	04.05.2018
Publiseringsdato	04.05.2018
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	OIL
Funnbrønnbane	YES
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]	110.0
Totalt målt dybde (MD) [m RKB]	3700.0
Totalt vertikalt dybde (TVD) [m RKB]	3697.0
Maks inklinasjon [°]	4.6
Temperatur ved bunn av brønnbanen [°C]	136
Eldste penetrerte alder	MIDDLE JURASSIC
Eldste penetrerte formasjon	NESS FM



Geodetisk datum	ED50
NS grader	60° 5' 0.26" N
ØV grader	2° 35' 36.16" E
NS UTM [m]	6660925.43
ØV UTM [m]	477375.63
UTM sone	31
NPDID for brønnbanen	7921

Brønnhistorie

General

Well 30/11-12 S was drilled to test the Askja SE prospect on the eastern flank of the Fensal Sub-basin in the North Sea. The well is situated two kilometres south of the 30/11-9 A (Askja East) discovery, and about 35 km southwest of the Oseberg Sør facility. The primary objective was to prove petroleum in three sandstone layers in Middle Jurassic reservoir rocks (the Tarbert formation).

Operations and results

Wildcat well 30/11-12 S was spudded with the semi-submersible installation Songa Delta on 8 April 2016 and drilled to TD at 3700 m in the Middle Jurassic Ness Formation. No significant problem was encountered in the operations. The well was drilled with Seawater and hi-vis pills down to 1324 m and with XP07 oil based mud from 1324 m to TD.

The Tarbert Formation was encountered at 3321.5 m (3319.5 m TVD). It was oil bearing from top to a down-to contact at ca 3356 m (3354 m TVD) based on pressure gradients and logs. Oil was sampled also at 3420 m (3418 m), in the top of a deeper Tarbert sandstone unit. MDT pressure points showed a water gradient in this sandstone. Oil shows were described in the hydrocarbon-bearing upper Tarbert sandstone from 3328 to 3360 m. These were the only oil shows recorded in the well.

No cores were cut. MDT fluid samples were taken at 3336.4 m (oil), 3420.0 m (oil with trace water and ca 20% OBM contamination), and 3458.5 m (water with trace oil).

The well was permanently abandoned on 4 May 2016 as an oil discovery.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
1330.00	3700.00

Borekaks tilgjengelig for prøvetaking?	YES
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Palynologiske preparater i Sokkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
1330.0	[m]	DC	PETROSTR
1360.0	[m]	DC	PETROS
1390.0	[m]	DC	PETROS
1420.0	[m]	DC	PETROS
1450.0	[m]	DC	PETROS
1480.0	[m]	DC	PETROS
1510.0	[m]	DC	PETROS
1540.0	[m]	DC	PETROS
1570.0	[m]	DC	PETROS
1600.0	[m]	DC	PETROS
1630.0	[m]	DC	PETROS
1660.0	[m]	DC	PETROS
1690.0	[m]	DC	PETROS
1720.0	[m]	DC	PETROS
1750.0	[m]	DC	PETROS
1780.0	[m]	DC	PETROS
1810.0	[m]	DC	PETROS
1840.0	[m]	DC	PETROS
1870.0	[m]	DC	PETROS
1900.0	[m]	DC	PETROS
1930.0	[m]	DC	PETROS
1960.0	[m]	DC	PETROS
1990.0	[m]	DC	PETROS
2020.0	[m]	DC	PETROS
2050.0	[m]	DC	PETROS
2070.0	[m]	DC	PETROS
2090.0	[m]	DC	PETROS
2110.0	[m]	DC	PETROS
2130.0	[m]	DC	PETROS
2150.0	[m]	DC	PETROS
2170.0	[m]	DC	PETROS
2190.0	[m]	DC	PETROS
2210.0	[m]	DC	PETROS
2230.0	[m]	DC	PETROS
2250.0	[m]	DC	PETROS
2270.0	[m]	DC	PETROS
2290.0	[m]	DC	PETROS



Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 30.5.2024 - 01:07

2310.0	[m]	DC	PETROS
2330.0	[m]	DC	PETROS
2350.0	[m]	DC	PETROS
2370.0	[m]	DC	PETROS
2390.0	[m]	DC	PETROS
2410.0	[m]	DC	PETROS
2430.0	[m]	DC	PETROS
2450.0	[m]	DC	PETROS
2470.0	[m]	DC	PETROS
2490.0	[m]	DC	PETROS
2510.0	[m]	DC	PETROS
2530.0	[m]	DC	PETROS
2550.0	[m]	DC	PETROS
2570.0	[m]	DC	PETROS
2590.0	[m]	DC	PETROS
2620.0	[m]	DC	PETROS
2650.0	[m]	DC	PETROS
2680.0	[m]	DC	PETROS
2710.0	[m]	DC	PETROS
2740.0	[m]	DC	PETROS
2770.0	[m]	DC	PETROS
2800.0	[m]	DC	PETROS
2830.0	[m]	DC	PETROS
2860.0	[m]	DC	PETROS
2890.0	[m]	DC	PETROS
2920.0	[m]	DC	PETROS
2950.0	[m]	DC	PETROS
2980.0	[m]	DC	PETROS
3010.0	[m]	DC	PETROS
3040.0	[m]	DC	PETROS
3050.0	[m]	DC	PETROS
3060.0	[m]	DC	PETROS
3070.0	[m]	DC	PETROS
3080.0	[m]	DC	PETROS
3090.0	[m]	DC	PETROS
3110.0	[m]	DC	PETROS
3120.0	[m]	DC	PETROS
3130.0	[m]	DC	PETROS
3139.0	[m]	DC	PETROS
3148.0	[m]	DC	PETROS



Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 30.5.2024 - 01:07

3157.0	[m]	DC	PETROS
3166.0	[m]	DC	PETROS
3175.0	[m]	DC	PETROS
3184.0	[m]	DC	PETROS
3193.0	[m]	DC	PETROS
3202.0	[m]	DC	PETROS
3211.0	[m]	DC	PETROS
3220.0	[m]	DC	PETROS
3229.0	[m]	DC	PETROS
3238.0	[m]	DC	PETROS
3247.0	[m]	DC	PETROS
3256.0	[m]	DC	PETROS
3265.0	[m]	DC	PETROS
3274.0	[m]	DC	PETROS
3283.0	[m]	DC	PETROS
3292.0	[m]	DC	PETROS
3301.0	[m]	DC	PETROS
3310.0	[m]	DC	PETROS
3318.0	[m]	SWC	PETROS
3319.0	[m]	SWC	PETROS
3319.0	[m]	DC	PETROS
3325.0	[m]	DC	PETROS
3333.0	[m]	SWC	PETROS
3334.0	[m]	DC	PETROS
3343.0	[m]	DC	PETROS
3352.0	[m]	DC	PETROS
3361.0	[m]	DC	PETROS
3370.0	[m]	DC	PETROS
3379.0	[m]	DC	PETROS
3388.0	[m]	DC	PETROS
3397.0	[m]	DC	PETROS
3406.0	[m]	DC	PETROS
3415.0	[m]	DC	PETROS
3424.0	[m]	DC	PETROS
3433.0	[m]	DC	PETROS
3442.0	[m]	DC	PETROS
3451.0	[m]	DC	PETROS
3460.0	[m]	DC	PETROS
3469.0	[m]	DC	PETROS
3478.0	[m]	DC	PETROS



3487.0	[m]	DC	PETROS
3496.0	[m]	DC	PETROS
3505.0	[m]	DC	PETROS
3514.0	[m]	DC	PETROS
3523.0	[m]	DC	PETROS
3532.0	[m]	DC	PETROS
3541.0	[m]	DC	PETROS
3550.0	[m]	DC	PETROS
3559.0	[m]	DC	PETROS
3568.0	[m]	DC	PETROS
3577.0	[m]	DC	PETROS
3586.0	[m]	DC	PETROS
3595.0	[m]	DC	PETROS
3604.0	[m]	DC	PETROS
3613.0	[m]	DC	PETROS
3622.0	[m]	DC	PETROS
3631.0	[m]	DC	PETROS
3640.0	[m]	DC	PETROS
3649.0	[m]	DC	PETROS
3658.0	[m]	DC	PETROS
3667.0	[m]	DC	PETROS
3676.0	[m]	DC	PETROS
3685.0	[m]	DC	PETROS
3694.0	[m]	DC	PETROS
3700.0	[m]	DC	PETROS

Oljeprøver i Sokkeldirektoratet

Test type	Flaske nummer	Topp dyp MD [m]	Bunn dyp MD [m]	Væske type	Test tidspunkt	Prøver tilgjengelig
DST		0.00	0.00			YES
DST		3336.40	0.00	OIL	02.09.2016 - 00:00	YES
DST		3420.00	0.00	OIL	02.09.2016 - 00:00	YES

Litostratigrafi



Topp Dyb [mMD RKB]	Litostrat. enhet
139	NORDLAND GP
413	UTSIRA FM
674	HORDALAND GP
1085	UNDIFFERENTIATED
1464	GRID FM
1467	UNDIFFERENTIATED
1650	NO FORMAL NAME
1672	UNDIFFERENTIATED
2035	FRIGG FM
2173	ROGALAND GP
2173	BALDER FM
2213	SELE FM
2390	LISTA FM
2472	VÅLE FM
2585	SHETLAND GP
2585	HARDRÅDE FM
2862	KYRRE FM
3042	CROMER KNOLL GP
3042	RØDBY FM
3117	SOLA FM
3134	ÅSGARD FM
3148	VIKING GP
3148	DRAUPNE FM
3192	HEATHER FM
3322	BRENT GP
3322	TARBERT FM
3599	NESS FM

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
AIT HNGS QUANTAGEO MSIP	3050	3700
CMR MDT	3300	3650
FTWT	0	0
MWD - ARCVIS GR RES APWD DIR	176	3700
PEX ECS XPT CMR	3040	3700
XL ROCK	3318	3408



XL ROCK	3409	3469
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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	175.3	36	176.0	0.00	
SURF.COND.	13 3/8	1315.9	17 1/2	1324.0	1.58	FIT
LINER	9 5/8	3053.0	12 1/4	3057.0	1.53	FIT
OPEN HOLE		3700.0	8 1/2	3700.0	0.00	

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Fløtegrense [Pa]	Type slam	Dato, måling
139	1.06	3.0		Spud Mud	
139	1.60	10.0		Bentonite/Polymer mud	
934	1.30	10.0		Bentonite/Polymer mud	
1221	1.39	17.0		XP-07	
1530	1.38	20.0		XP-07	
1870	1.39	21.0		XP-07	
3057	1.30	15.0		XP-07	
3057	1.39	21.0		XP-07	
3430	1.30	16.0		XP-07	
3700	1.20	12.0		XP-07	
3700	1.30	16.0		XP-07	