



Generell informasjon





Brønnbane navn	35/12-5 S
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	35/12-5
Seismisk lokalisering	inline2923 xline 5569(RD1201WIM13)
Utvinningstillatelse	378
Boreoperatør	Wintershall Norge AS
Boretillatelse	1575-L
Boreinnretning	TRANSOCEAN ARCTIC
Boredager	41
Borestart	10.05.2015
Boreslutt	19.06.2015
Frigitt dato	19.06.2017
Publiseringsdato	19.06.2017
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	25.5
Vanndybde ved midlere havflate [m]	353.0
Totalt målt dybde (MD) [m RKB]	3570.0
Totalt vertikalt dybde (TVD) [m RKB]	3370.0
Maks inklinasjon [°]	32.7
Temperatur ved bunn av brønnbanen [°C]	107
Eldste penetrerte alder	MIDDLE JURASSIC
Eldste penetrerte formasjon	OSEBERG FM
Geodetisk datum	ED50
NS grader	61° 13' 1.66" N
ØV grader	3° 49' 39.22" E
NS UTM [m]	6787415.18
ØV UTM [m]	544454.90
UTM sone	31
NPDID for brønnbanen	7683



Brønnhistorie

General

Well 35/12-5 S was drilled to test the Crossbill prospect on the Uer Terrace, ca 15 km southwest of the Gjøa Field in the North Sea. The primary target were the Sognefjord and Fensfjord formation sandstones in the Late Jurassic and the secondary target was the Kimmeridgian aged turbidite sequence at slightly shallower level in the Late Jurassic.

Operations and results

Wildcat well 35/12-5 S was spudded with the semi-submersible installation Transocean Arctic on 10 May 2015 and drilled to TD at 3570 m (3370 m TVD) in the Middle Jurassic Oseberg Formation. The well was drilled S-shaped, vertical down to 957 m, deviated with a ca 32 ° sail angle from 1500 m to 2300 m and back to vertical again at 2750 m. No significant problem was encountered in the operations. The well was drilled with seawater and high-viscosity sweeps down to 957 m, with KCl/Polymer/glycol mud from 957 m to 961 m, with XP-07 oil-based mud from 961 m to 2767 m, and with Performadriil water based mud from 2767 m to TD.

The well found reservoir quality sandstones at all target intervals, and also in the Krossfjord Formation. The Kimmeridgian sequences contain ca 10 m of net sand, the Sognefjord is mostly shaled out at this location with not more than 5 m net sand, whereas Fensfjord has a gross thickness of 95 m (35 m net) and Krossfjord 59 m gross (32 m net) thickness. All encountered reservoirs are water bearing. No shows were observed in the well.

No cores were cut. RCX water samples were taken at 2874.5 m, 3172 m and 3240 m.

The well was permanently abandoned on 19 June 2015 as a dry well.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
970.00	3571.00

Borekaks tilgjengelig for prøvetaking?	YES
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Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
379	NORDLAND GP
609	HORDALAND GP
754	NO FORMAL NAME



820	HORDALAND GP
848	ROGALAND GP
848	BALDER FM
905	SELE FM
969	LISTA FM
1056	NO FORMAL NAME
1306	LISTA FM
1413	VÅLE FM
1583	SHETLAND GP
1583	JORSALFARE FM
1724	KYRRE FM
2412	TRYGGVASON FM
2612	BLODØKS FM
2618	SVARTE FM
2653	CROMER KNOLL GP
2653	RØDBY FM
2742	SOLA FM
2758	ÅSGARD FM
2853	VIKING GP
2853	DRAUPNE FM
2868	NO FORMAL NAME
2878	HEATHER FM
3007	SOGNEFJORD FM
3019	HEATHER FM
3100	FENSFJORD FM
3194	HEATHER FM
3230	KROSSFJORD FM
3289	HEATHER FM
3488	BRENT GP
3488	NESS FM
3519	ETIVE FM
3535	RANNOCH FM
3554	OSEBERG FM

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CBL	2144	2752
LWD - GR RES DIR PWD	458	957



LWD - GR RES SON DIR PWD	961	2767
LWD - GR RES SON ND DIR PWD	2767	3570
PRESS SAMP	2870	3528
SAMP	2875	3172
SWC	2870	3482
VSP	1400	3350

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	455.7	36	458.0	0.00	
PILOT HOLE		915.0	9 7/8	915.0	0.00	
SURF.COND.	20	951.5	26	957.0	0.00	
		961.0	17 1/2	961.0	1.61	LOT
INTERM.	9 5/8	2760.5	12 1/4	2767.0	0.00	
		2771.0		2771.0	1.63	LOT
OPEN HOLE		3570.0	8 1/2	3570.0	0.00	

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	flytegrense [Pa]	Type slam	Dato, måling
920	1.31	21.0		XPO7	
957	1.34	18.0		KCL/Polymer/GEM WBM	
1980	1.28	24.0		XP-07 Low ECD	
2354	1.29	25.0		XP-07 Low ECD	
2767	1.28	17.0		XP-07 Low ECD	
3030	1.28	23.0		Performadril	
3569	1.24	27.0		Performadril	
3570	1.31	21.0		XP07	