



Generell informasjon

Brønnbane navn	31/8-1
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	31/8-1
Seismisk lokalisering	EO0801;inline 1528&xline5650
Utvinningstillatelse	416
Boreoperatør	E.ON Ruhrgas Norge AS
Boretillatelse	1358-L
Boreinnretning	BORGLAND DOLPHIN
Boredager	28
Borestart	27.06.2011
Boreslutt	24.07.2011
Frigitt dato	13.11.2012
Publiseringsdato	13.11.2012
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	31.0
Vanndybde ved midlere havflate [m]	304.0
Totalt målt dybde (MD) [m RKB]	2629.0
Totalt vertikalt dybde (TVD) [m RKB]	2629.0
Maks inklinasjon [°]	1.1
Eldste penetrerte alder	MIDDLE JURASSIC
Eldste penetrerte formasjon	KROSSFJORD FM
Geodetisk datum	ED50
NS grader	60° 22' 11.23" N
ØV grader	3° 34' 4.94" E
NS UTM [m]	6692886.87
ØV UTM [m]	531330.95
UTM sone	31
NPDID for brønnbanen	6604



Brønnhistorie

General

Well 31/8-1 was drilled on the Breiflabb prospect in the Stord Basin south of the Troll Field in the North Sea. The primary objective was to prove commercial volumes of hydrocarbons in the upper Jurassic Sognefjord formation, which is also the main reservoir in the Troll Field. Deeper secondary targets for the well are the lower to middle Jurassic Johansen formation, the Brent Group, the Krossfjord formation and the Fensfjord formation.

Operations and results

Wildcat well was spudded with the semi-submersible installation Borgland Dolphin on 27 June 2011 and drilled to TD at 2629 m in the Middle Jurassic Krossfjord Formation. A 9 7/8" pilot hole was drilled from 30" shoe to 969 m to check for shallow gas before opening up the hole to 26". No shallow gas was seen. No significant problem was encountered in the operations. The well was drilled with hi-vis bentonite sweeps down to 969 m, with Aqua-Drill mud with 3-5% glycols from 969 m to TD.

Top Draupne came in 110 m thick at 1999 m. Top Sognefjord Formation, top Fensfjord Formation and top Krossfjord Formation came in at 2123 m, 2366.5 m, and 2498 m, respectively. All formations were water bearing and no oil shows were recorded in the well. Lower Krossfjord was first believed to be the Brent Group. Biostratigraphy concluded however that the well did not penetrate top Brent, and so the well was terminated in the Krossfjord Formation.

No cores were cut and no wire line fluid samples were taken.

The well was permanently abandoned on 24 July 2011 as a dry well.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
980.00	2628.00

Borekaks tilgjengelig for prøvetaking?	YES
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Litostratigrafi



Topp Dyb [mMD RKB]	Litostrat. enhet
336	NORDLAND GP
715	HORDALAND GP
1253	ROGALAND GP
1253	BALDER FM
1366	SELE FM
1386	LISTA FM
1466	VÅLE FM
1483	SHETLAND GP
1483	EKOFISK FM
1494	TRYGGVASON FM
1527	BLODØKS FM
1540	SVARTE FM
1599	CROMER KNOLL GP
1599	RØDBY FM
1673	SOLA FM
1811	ÅSGARD FM
1999	VIKING GP
1999	DRAUPNE FM
2109	HEATHER FM
2123	SOGNEFJORD FM
2367	FENSEFJORD FM
2498	KROSSFJORD FM

Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
6604_GCH_1	pdf	2.74

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
MWD - DIR	335	406
MWD - DIR	406	969
MWD - DIR GR RES	406	969
MWD - DIR GR RES	969	2077
MWD - RES DEN NEU SON TT	2077	2629





VSP	1095	2628
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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	401.0	36	401.0	0.00	LOT
SURF.COND.	20	963.0	26	969.0	1.68	LOT
INTERM.	9 5/8	2070.5	12 1/4	2077.0	1.73	LOT
OPEN HOLE		2629.0	8 1/2	2629.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
335	1.50	11.0		Kill mud	
969	1.48	17.0		Aquadrill	
969	1.25	10.0		Kill mud	
1311	1.39	17.0		Aquadrill	
1420	1.34	12.0		Aquadrill	
1855	1.20	20.0		Aquadrill	
2077	1.20	10.0		Aquadrill	
2405	1.20	11.0		Aquadrill	
2628	1.20	29.0		Aquadrill	
2629	1.20	13.0		Aquadrill	
2826	1.20	11.0		Aquadrill	