



Generell informasjon

Brønnbane navn	35/11-10 A
Type	EXPLORATION
Formål	APPRAISAL
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Felt	FRAM
Funn	35/11-4 Fram
Brønn navn	35/11-10
Seismisk lokalisering	MN 9201 inline 5385 xline 1871
Utvinningstillatelse	090
Boreoperatør	Norsk Hydro Produksjon AS
Boretillatelse	899-L
Boreinnretning	WEST VANGUARD
Boredager	22
Borestart	23.06.1997
Boreslutt	14.07.1997
Frigitt dato	14.07.1999
Publiseringsdato	15.06.2005
Opprinnelig formål	APPRAISAL
Gjenåpnet	NO
Innhold	OIL SHOWS
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	22.0
Vanndybde ved midlere havflate [m]	353.5
Totalt målt dybde (MD) [m RKB]	3259.0
Totalt vertikalt dybde (TVD) [m RKB]	2889.0
Maks inklinasjon [°]	40.4
Temperatur ved bunn av brønnbanen [°C]	104
Eldste penetrerte alder	MIDDLE JURASSIC
Eldste penetrerte formasjon	OSEBERG FM
Geodetisk datum	ED50
NS grader	61° 1' 10.54" N
ØV grader	3° 31' 26.29" E
NS UTM [m]	6765243.58
ØV UTM [m]	528323.08



UTM sone	31
NPDID for brønnbanen	3151

Brønnhistorie

General

Well 35/11-10 A is a sidetrack to 35/11-10, located on the western edge of the Uer Terrace, ca 9 km North of the Troll Field. It was drilled as an exploration side-track to well 35/11-10 into the down-faulted F-Southwest compartment. This compartment lies to the west of the F-East structure drilled by 35/11-10 and 35/11-4. The objectives of sidetrack 35/11-10 A were to test the presence of prospective hydrocarbons in the Sognefjord and Fensfjord Formations, and in the Brent Group.

Operations and results

Appraisal well 35/11-10 A was drilled with the semi-submersible installation West Vanguard. Kick-off was at 1180 m in well 35/11-10, on 23 June 1997. The well was drilled to TD at 3259 m (2889 m TVD RKB) in the Middle Jurassic Oseberg Formation. The deviation increased up to 38 deg. at 1564 m and was kept mostly within 38 to 40 deg. from there to TD. The well was not logged beyond 2761.4 m due to severe hole conditions. Some problems were encountered in cutting the 20" and 30" casing during abandonment. Otherwise no significant problem was encountered. The well was drilled with ANCO 2000 glycol mud from kick-off to TD.

Weak shows were recorded from 2105 m, in Late Cretaceous limestones of the Jorsalfare Formation, and in various lithologies through the Late Jurassic down to 3090 m at the base of the Heather Formation. Spotted, good shows were seen in the Ness Formation. All three target reservoirs proved water bearing. Only negligible, non-economic amounts of hydrocarbons may be present in a channel in the Ness Formation. The results were however not conclusive due to the lack of wire line logs and MDT pressure points over the actual interval (3091 m to 3137 m). No cores were cut and no fluid sample obtained in this bore hole.

The well was permanently abandoned on 23 June 1997 as dry appraisal well.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
1200.00	3257.00

Borekaks tilgjengelig for prøvetaking?	YES
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Litostratigrafi



Topp Dyb [mMD RKB]	Litostrat. enhet
376	NORDLAND GP
756	HORDALAND GP
1421	ROGALAND GP
1421	BALDER FM
1477	SELE FM
1625	LISTA FM
1766	HEIMDAL FM
1876	LISTA FM
1896	VÅLE FM
2004	SHETLAND GP
2004	JORSALFARE FM
2203	VIKING GP
2203	DRAUPNE FM
2293	SOGNEFJORD FM
2457	HEATHER FM
2682	FENSFJORD FM
2824	HEATHER FM
3093	BRENT GP
3093	NESS FM
3143	ETIVE FM
3190	RANNOCH FM
3212	OSEBERG FM

Spleisede logger

Dokument navn	Dokument format	Dokument størrelse [KB]
3151_35_11_10_A	pdf	0.53

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
3151_35_11_10_A_COMPLETION_REPORT	pdf	12.77
3151_35_11_10_A_COMPOSITE_LOG	pdf	0.77





Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
FMI DSI NGT	1150	2728
HALS MCFL TDL CNL GR AMS SP	0	0
HALS MCFL TDL CNL GR AMS SP	1150	2071
HALS MCFL TDL CNL GR AMS SP	2035	2755
MDT VSP GR AMS	1380	2720
MWD - GR RES DIR	1180	3259
VSP GR	0	0

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
OPEN HOLE		2100.0	12 1/4	2100.0	0.00	LOT
OPEN HOLE		3259.0	8 1/2	3259.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
1090	1.27	72.0	15.0	WATER BASED	
1400	1.30	79.0	18.0	WATER BASED	
2084	1.31	73.0	15.5	WATER BASED	
2870	1.31	78.0	16.0	WATER BASED	
3259	1.33	80.0	15.0	WATER BASED	

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

Dokument navn	Dokument format	Dokument størrelse [KB]
3151 Formation pressure (Formasjonstrykk)	pdf	0.23

