



Generell informasjon





Brønnbane navn	35/11-12
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	35/11-12
Seismisk lokalisering	Crossline 2764 & Inline 1288 Survey STNH
Utvinningsstillatelse	248
Boreoperatør	Norsk Hydro Produksjon AS
Boretillatelse	973-L
Boreinnretning	TRANSOCEAN ARCTIC
Boredager	26
Borestart	19.04.2000
Boreslutt	14.05.2000
Frigitt dato	14.05.2002
Publiseringsdato	18.12.2002
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	OIL SHOWS
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	24.0
Vanndybde ved midlere havflate [m]	364.0
Totalt målt dybde (MD) [m RKB]	3378.0
Totalt vertikalt dybde (TVD) [m RKB]	3378.0
Maks inklinasjon [°]	5.33
Temperatur ved bunn av brønnbanen [°C]	108
Eldste penetrerte alder	MIDDLE JURASSIC
Eldste penetrerte formasjon	HEATHER FM
Geodetisk datum	ED50
NS grader	61° 7' 43.53" N
ØV grader	3° 22' 53.66" E
NS UTM [m]	6777350.06
ØV UTM [m]	520555.02
UTM sone	31
NPDID for brønnbanen	4054



Brønnhistorie

General

Well 35/11-12 is situated North of the Troll Field. Its main objectives were to test the presence and type of hydrocarbons in the Oxfordian turbidites in the Amanda prospect. The well was positioned to test the largest possible HC - column in the stratigraphic trap component of the Amanda prospect, with good margin to the mapped spill point. A secondary objective was to test the presence of potential Callovian turbidites.

Operations and results

Wildcat well 35/11-12 was spudded with the semi-submersible installation "Transocean Arctic" on 19 April 2000 and drilled to a total depth of 3378 m in Middle Jurassic shales of the Heather Formation. The well was drilled with spud mud down to 725 m and with water based "Glydril" mud (with glycol) from 725 m to TD. Two turbidite sequences of Kimmeridgian and Oxfordian age respectively, were penetrated. The sequences contained predominantly claystones, but comprised also thin sandstone beds of very poor reservoir quality. No fluid contacts or fluid gradients were identified from the log and pressure data.

A MDT oil sample was taken at 3211.0 m within a two-meter thick porous sandstone of the Oxfordian sequence. The reservoir pressure at the sampling point was measured to 359.23 bar. Maximum draw down during pumping was approximately 110 bar and the maximum temperature recorded was 107.5 deg C. The sample contained mostly water with some oil. One core was cut in the interval 3120 to 3146 m in the upper Oxfordian turbidite and the Heather Formation.

The well was permanently abandoned as a dry well with shows on 14 May 2000.

Testing

No drill stem test was performed

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
730.00	3377.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerter i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	3120.0	3146.0	[m]

Total kjerneprøve lengde [m]	26.0
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Kjerner tilgjengelig for prøvetaking? YES

Kjernebilder



3120-3125m



3125-3130m



3130-3135m



3135-3140m



3140-3145m



3145-3146m

Palynologiske preparater i Sjøkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
0.0	[unknown]		

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
388	NORDLAND GP
769	UTSIRA FM
880	UNDIFFERENTIATED
896	HORDALAND GP
1727	ROGALAND GP
1727	BALDER FM
1781	SELE FM
1803	LISTA FM
1986	VÅLE FM
2019	SHETLAND GP
2019	JORSALFARE FM
2095	KYRRE FM



2719	SVARTE FM
2745	CROMER KNOLL GP
2745	RØDBY FM
2786	SOLA FM
2798	MIME FM
2808	ÅSGARD FM
2878	MIME FM
2891	VIKING GP
2891	DRAUPNE FM
3130	HEATHER FM
3208	INTRA HEATHER FM SS
3213	HEATHER FM

Spleisede logger

Dokument navn	Dokument format	Dokument størrelse [KB]
4054	pdf	0.35

Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
4054_1	pdf	1.94
4054_2	pdf	1.96
4054_3	pdf	1.91
4054_4	pdf	1.95
4054_5	pdf	1.34

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
4054_35_11_12_COMPLETION_LOG	.pdf	2.20
4054_35_11_12_COMPLETION_REPORT	.PDF	4.98

Logger





Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CST GR	2892	3378
DSI GR	2600	3380
MDT AMS GR	3124	3212
MWD - CDR	388	1760
MWD - CDR ISONIC	1760	2822
MWD - V675R GST ADN	2822	3120
MWD - V675R GST ADN	3120	3378
VSP GR	2570	3360

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	460.0	36	460.0	0.00	LOT
INTERM.	20	720.0	26	725.0	1.64	LOT
INTERM.	13 3/8	1755.0	17 1/2	1760.0	1.37	LOT
INTERM.	9 5/8	2809.0	12 1/4	2822.0	1.75	LOT
OPEN HOLE		3378.0	8 1/2	3378.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
460	1.20			WATER BASED	
500	1.20			WATER BASED	
600	1.30	19.0		WATER BASED	
725	1.30			WATER BASED	
750	1.30	19.0		WATER BASED	
850	1.30	18.0		WATER BASED	
1473	1.39	23.0		WATER BASED	
1760	1.39	20.0		WATER BASED	
1764	1.30	15.0		WATER BASED	
2212	1.30	22.0		WATER BASED	
2709	1.50	22.0		WATER BASED	
2711	1.30	20.0		WATER BASED	
2822	1.30	20.0		WATER BASED	
3050	1.46	20.0		WATER BASED	



3140	1.46	20.0		WATER BASED	
3291	1.46	22.0		WATER BASED	
3378	1.50	22.0		WATER BASED	

Tynnslip i Sokkeldirektoratet

Dybde	Enhet
3123.17	[m]
3120.92	[m]
3123.15	[m]
3124.71	[m]

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]
4054 Formation pressure (Formasjonstrykk)	pdf	0.22

