



Generell informasjon

Brønnbane navn	34/8-2
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	34/8-2
Seismisk lokalisering	NH 8404 - 271 SP. 465
Utvinningstillatelse	120
Boreoperatør	Norsk Hydro Produksjon AS
Boretillatelse	522-L
Boreinnretning	POLAR PIONEER
Boredager	45
Borestart	04.10.1986
Boreslutt	17.11.1986
Frigitt dato	17.11.1988
Publiseringsdato	21.12.2012
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	23.0
Vanndybde ved midlere havflate [m]	353.0
Totalt målt dybde (MD) [m RKB]	3240.0
Totalt vertikalt dybde (TVD) [m RKB]	3239.0
Maks inklinasjon [°]	2.5
Temperatur ved bunn av brønnbanen [°C]	122
Eldste penetrerte alder	LATE TRIASSIC
Eldste penetrerte formasjon	LUNDE FM
Geodetisk datum	ED50
NS grader	61° 22' 10.51" N
ØV grader	2° 31' 36.09" E
NS UTM [m]	6804208.51
ØV UTM [m]	474697.57
UTM sone	31
NPDID for brønnbanen	915



Brønnhistorie

General

Well 34/8-2 was drilled ca 5 km east of the 34/8-1 Visund Discovery well in the northern North Sea. It was drilled on the northern compartment of the same structure as the 34/8-1 well, a rotated fault block flanking the Viking Graben. This northern compartment ("A-North") might be separate from the southern by a sealing fault. The main objective of well 34/8-2 was to prove hydrocarbons in the Statfjord Formation of the A-North compartment. The planned TD was ca 50 m into the Triassic Lunde Formation.

Operations and results

Wildcat well 34/8-2 was spudded with the semi-submersible installation Polar Pioneer on 4 October 1986 and drilled to TD at 3240 m in the Late Triassic Lunde Formation. The rig had to be moved and the well was re-spudded twice before the 36" hole could be finished. Otherwise no significant problems were encountered in the operations. The well was drilled with seawater and hi-vis pills down to 1205 m and with KCl/polymer mud from 1205 m to TD.

A unit assigned to the Late Jurassic Draupne Formation was penetrated from 2896 to 2912.5 m. Below Draupne a complete Dunlin Group (Drake-Cook-Burton-Amundsen) was penetrated down to 3001 m where the Statfjord Formation was encountered. The target Statfjord Formation was water bearing, and the only hydrocarbon indications in the well were oil shows on sandstone stringers in the Shetland Formation and weak fluorescence on Draupne Formation claystone

One core was taken in the well in the upper part of the Statfjord Formation from 3008 - 3020 m. The recovery was 11.75 meters, 98%. RFT pressure recordings were performed through the Statfjord Formation and the Lunde Formation. The pressure tests in the Statfjord Formation indicated very good permeability and gave a water gradient of 0.99 g/cc. Furthermore. Comparison with 34/8-1 pressures indicated a sealing fault between the A-South and the A-North segments. No wire line fluid samples were taken.

The well was permanently abandoned on 17 November as a dry well.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
1220.00	3240.00

Borekaks tilgjengelig for prøvetaking?	YES
--	-----



Borekjerne i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	3008.0	3019.8	[m]

Total kjerneprøve lengde [m]	11.8
Kjerner tilgjengelig for prøvetaking?	YES

Palynologiske preparater i Sokkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
2888.0	[m]	SWC	HYDRO?
2898.5	[m]	SWC	(ALLE)
2902.0	[m]	SWC	
2905.0	[m]	SWC	
2908.0	[m]	SWC	
2911.0	[m]	SWC	
2919.0	[m]	SWC	
2935.0	[m]	SWC	
2974.0	[m]	SWC	
2990.0	[m]	SWC	
3053.0	[m]	SWC	
3077.0	[m]	SWC	
3111.0	[m]	SWC	
3135.0	[m]	SWC	

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
376	NORDLAND GP
1114	UTSIRA FM
1160	HORDALAND GP
1817	ROGALAND GP
1817	BALDER FM
1853	LISTA FM
1988	SHETLAND GP



1988	JORSALFARE FM
2218	KYRRE FM
2699	TRYGGVASON FM
2882	CROMER KNOLL GP
2897	VIKING GP
2897	DRAUPNE FM
2913	DUNLIN GP
2913	DRAKE FM
2923	COOK FM
2934	BURTON FM
2937	AMUNDSEN FM
3001	STATFJORD GP
3051	HEGRE GP
3051	LUNDE FM

Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
915_GCH_1	pdf	0.24
915_GCH_2	pdf	4.73
915_GCH_3	pdf	6.52

Dokumenter - eldre Sokkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
915_01_WDSS_General_Information	pdf	0.22
915_02_WDSS_completion_log	pdf	0.26

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
915_34_8_2_Completion_log	pdf	2.19
915_34_8_2_Completion_report	pdf	12.59

Logger





Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CBL VDL	0	0
DIL LSS GR SP	1177	3228
LDL CNL CAL GR	1177	3228
MWD	462	1177
NGT	2680	3229
RFT	3003	3218
SHDT	2680	3231
VSP	1000	3235

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	462.0	36	472.0	0.00	LOT
SURF.COND.	20	1177.0	26	1205.0	1.66	LOT
INTERM.	13 3/8	2680.0	17 1/2	2700.0	1.80	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
376	1.70	34.0	12.0	WATER BASED	17.11.1986
391	1.05	99.0	99.0	WATER BASED	05.10.1986
420	1.70	34.0	12.0	WATER BASED	17.11.1986
428	1.05			WATER BASED	07.10.1986
462	1.05	99.0	99.0	WATER BASED	06.10.1986
462	1.05	99.0	99.0	WATER BASED	05.10.1986
472	1.05			WATER BASED	08.10.1986
483	1.05			WATER BASED	14.10.1986
982	1.05			WATER BASED	14.10.1986
1048	1.05			WATER BASED	09.10.1986
1200	1.05			WATER BASED	14.10.1986
1200	1.20			WATER BASED	13.10.1986
1205	1.20			WATER BASED	14.10.1986
1205	1.20	14.0	8.0	WATER BASED	17.10.1986
1205	1.15	9.0	4.0	WATER BASED	16.10.1986
1585	1.30	20.0	12.0	WATER BASED	20.10.1986



1848	1.36	20.0	13.0	WATER BASED	20.10.1986
2135	1.36	20.0	12.0	WATER BASED	20.10.1986
2281	1.40	24.0	10.0	WATER BASED	20.10.1986
2452	1.44	25.0	10.0	WATER BASED	21.10.1986
2461	1.44	24.0	9.0	WATER BASED	22.10.1986
2515	1.70	34.0	12.0	WATER BASED	17.11.1986
2562	1.44	29.0	11.0	WATER BASED	23.10.1986
2609	1.44	29.0	9.0	WATER BASED	26.10.1986
2700	1.44	26.0	8.0	WATER BASED	26.10.1986
2700	1.47	27.0	9.0	WATER BASED	26.10.1986
2700	1.60	30.0	7.0	WATER BASED	28.10.1986
2700	1.47	27.0	9.0	WATER BASED	27.10.1986
2705	1.60	23.0	7.0	WATER BASED	29.10.1986
2764	1.60	26.0	9.0	WATER BASED	30.10.1986
2811	1.60	27.0	9.0	WATER BASED	02.11.1986
2828	1.60	28.0	10.0	WATER BASED	02.11.1986
2875	1.60	30.0	11.0	WATER BASED	02.11.1986
2944	1.70	28.0	9.0	WATER BASED	03.11.1986
2995	1.70	29.0	9.0	WATER BASED	04.11.1986
3020	1.70	29.0	10.0	WATER BASED	05.11.1986
3038	1.70	32.0	12.0	WATER BASED	06.11.1986
3065	1.70	33.0	12.0	WATER BASED	11.11.1986
3138	1.70	33.0	11.0	WATER BASED	11.11.1986
3155	1.70	30.0	8.0	WATER BASED	11.11.1986
3203	1.70	32.0	11.0	WATER BASED	09.11.1986
3240	1.70	30.0	10.0	WATER BASED	12.11.1986
3240	1.70	30.0	10.0	WATER BASED	13.11.1986
3240	1.70	32.0	10.0	WATER BASED	14.11.1986

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]
915 Formation pressure (Formasjonstrykk)	pdf	0.22

