

**General information**

Wellbore name	34/8-2
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Factmaps in new window	link to map
Main area	NORTH SEA
Well name	34/8-2
Seismic location	NH 8404 - 271 SP. 465
Production licence	120
Drilling operator	Norsk Hydro Produksjon AS
Drill permit	522-L
Drilling facility	POLAR PIONEER
Drilling days	45
Entered date	04.10.1986
Completed date	17.11.1986
Release date	17.11.1988
Publication date	21.12.2012
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	23.0
Water depth [m]	353.0
Total depth (MD) [m RKB]	3240.0
Final vertical depth (TVD) [m RKB]	3239.0
Maximum inclination [°]	2.5
Bottom hole temperature [°C]	122
Oldest penetrated age	LATE TRIASSIC
Oldest penetrated formation	LUNDE FM
Geodetic datum	ED50
NS degrees	61° 22' 10.51" N
EW degrees	2° 31' 36.09" E
NS UTM [m]	6804208.51
EW UTM [m]	474697.57
UTM zone	31
NPDID wellbore	915



Wellbore history

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.

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
1220.00	3240.00

Cuttings available for sampling?	YES
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**Cores at the Norwegian Offshore Directorate**

Core sample number	Core sample - top depth	Core sample - bottom depth	Core sample depth - uom
1	3008.0	3019.8	[m]

Total core sample length [m]	11.8
Cores available for sampling?	YES

Palynological slides at the Norwegian Offshore Directorate

Sample depth	Depth unit	Sample type	Laboratory
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	

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
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

Geochemical information

Document name	Document format	Document size [MB]
915_GCH_1	pdf	0.24
915_GCH_2	pdf	4.73
915_GCH_3	pdf	6.52

Documents - older Norwegian Offshore Directorate WDSS reports and other related documents

Document name	Document format	Document size [MB]
915_01_WDSS_General_Information	pdf	0.22
915_02_WDSS_completion_log	pdf	0.26

Documents - reported by the production licence (period for duty of secrecy expired)

Document name	Document format	Document size [MB]
915_34_8_2_Completion_log	pdf	2.19
915_34_8_2_Completion_report	pdf	12.59

Logs





Log type	Log top depth [m]	Log bottom depth [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

Casing and leak-off tests

Casing type	Casing diam. [inch]	Casing depth [m]	Hole diam. [inch]	Hole depth [m]	LOT/FIT mud eqv. [g/cm3]	Formation test type
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

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
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

Pressure plots

The pore pressure data is sourced from well logs if no other source is specified. In some wells where pore pressure logs do not exist, information from Drill stem tests and kicks have been used. The data has been reported to the NPD, and further processed and quality controlled by IHS Markit.

Document name	Document format	Document size [MB]
915 Formation pressure (Formasjonstrykk)	pdf	0.22

