

**General information**

Wellbore name	34/2-2 R
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Factmaps in new window	link to map
Main area	NORTH SEA
Well name	34/2-2
Seismic location	ANO 79 - 36& SP 515
Production licence	056
Drilling operator	Amoco Norway Oil Company
Drill permit	268-L2
Drilling facility	SEDCO 703
Drilling days	148
Entered date	12.12.1980
Completed date	08.05.1981
Plugged and abandon date	08.05.1981
Release date	08.05.1983
Publication date	11.02.2005
Purpose - planned	WILDCAT
Reentry	YES
Reentry activity	DRILLING/PLUGGING
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	26.0
Water depth [m]	386.0
Total depth (MD) [m RKB]	4074.0
Final vertical depth (TVD) [m RKB]	4067.6
Maximum inclination [°]	11
Bottom hole temperature [°C]	120
Oldest penetrated age	LATE TRIASSIC
Oldest penetrated formation	STATFJORD GP
Geodetic datum	ED50
NS degrees	61° 46' 16.83" N
EW degrees	2° 33' 11.38" E
NS UTM [m]	6848952.90
EW UTM [m]	476419.52
UTM zone	31
NPDID wellbore	497



Wellbore history

General

Exploration well 34/2-2 is located a northwestern part of the Tampen Spur area. It was intended to be the first well to test the reflections below the Base Cretaceous (Kimmeridgian) Unconformity on a seismically defined, northerly trending west-northwest dipping fault block. The well was located near the apex of the structure at the Base Cretaceous level, but down-dip with respect to deeper stratigraphy. Primary targets were the Middle Jurassic Brent Formation and the Early Jurassic/Triassic Statfjord Formation. Secondary targets were possible Early Tertiary and Late Jurassic sandstones. Planned TD was 4300 m Sub Sea.

Operations and results

Well 34/2-2 R was spudded with the semi-submersible installation Sedco 703 on 12 December after the first entry 34/2-2 had been abandoned for technical reasons. The well was drilled to TD at 4074 m in the Late Triassic Statfjord Formation, Raude Member. Bad weather conditions during wintertime delayed the drilling progress on many occasions. While drilling the 36" hole section some problems were encountered due to boulder beds. An abnormally high wave hit the rig on 16 January, damaging the living quarters. The rig had to be shut down for repairs for eleven days. Otherwise, drilling of the sedimentary sequence below the 30" casing to TD did not cause major problems. The well was drilled with spud mud/hi-vis pills down to 499 m, with CMC and bentonite from 499 m to 810 m, and with lignosulphonate mud from 810 m to TD.

The Brent Formation was not developed in the well and the reservoir conditions in the Statfjord Formations were found to be poorer than expected. No indications of hydrocarbon accumulations were seen. Trace shows were recorded in the Cretaceous in sandstone stringers from 2405 m to 2700 m, in siltstones from 2903 m to 3000 m, and in sandstones from 3200 m to 3282.5 m. From 3282.5 m to 3297.5 m there was a good show in a limestone bed. No oil shows were reported from the Jurassic sequences. The Late Jurassic Draupne Formation was not found in this well and organic geochemical analyses did not reveal any sequence with significant source potential throughout the well. The analyses did however confirm some intervals with migrant hydrocarbons in the Cretaceous. One conventional core was cut in the interval 3665 m to 3677 m in the Cook Formation. No fluid sample was taken.

The well was permanently abandoned as a dry well with weak shows on 8 May 1981.

Testing

No drill stem test was performed.

Cores at the Norwegian Offshore Directorate

Core sample number	Core sample - top depth	Core sample - bottom depth	Core sample depth - uom
1	3665.0	3675.2	[m]

Total core sample length [m]	10.2
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Cores available for sampling?	YES
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Core photos

3665-3668m



3668-3671m



3671-3674m



3674-3675m



3665-3666m



3670-3670m

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
412	NORDLAND GP
1330	UTSIRA FM
1417	HORDALAND GP
1587	NO FORMAL NAME
1604	NO FORMAL NAME
1864	ROGALAND GP
1864	BALDER FM
1907	LISTA FM
1985	SHETLAND GP
1985	JORSALFARE FM
2193	KYRRE FM
2970	TRYGGVASON FM
3111	BLODØKS FM
3147	SVARTE FM
3203	CROMER KNOLL GP
3203	RØDBY FM
3345	SOLA FM



3370	ÅSGARD FM
3375	MIME FM
3378	VIKING GP
3378	HEATHER FM
3460	NO FORMAL NAME
3520	DUNLIN GP
3520	DRAKE FM
3619	COOK FM
3683	BURTON FM
3705	AMUNDSEN FM
3840	STATFJORD GP
3840	NANSEN FM
3865	EIRIKSSON FM
3957	RAUDE FM

Composite logs

Document name	Document format	Document size [MB]
497	pdf	0.62

Geochemical information

Document name	Document format	Document size [MB]
497_1	pdf	0.98
497_2	pdf	3.04
497_3	pdf	2.03
497_4	pdf	0.12

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

Document name	Document format	Document size [MB]
497_01_WDSS_General_Information	pdf	0.10

Logs





Log type	Log top depth [m]	Log bottom depth [m]
CBL VDL GR CCL	400	2000
CBL VDL GR CCL	1000	3167
CBL VDL GR CCL	1120	3193
DLL MSFL CAL GR	3190	4070
DLL MSFL CAL GR SP	2300	3201
FDC CNL CAL GR	2014	4070
HDT CAL	2014	3200
HDT CAL	3190	3840
ISF LSS GR SP	374	4070
VSP	386	3313

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	491.5	36	499.0	0.00	LOT
SURF.COND.	20	800.0	26	810.0	1.51	LOT
INTERM.	13 3/8	2014.0	17 1/2	2023.0	1.74	LOT
INTERM.	9 5/8	3190.0	12 1/4	3200.0	1.94	LOT
OPEN HOLE		4074.0	8 1/2	4074.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
831	1.07			water based	
1375	1.22	46.0	15.0	water based	
1803	1.28	48.0	21.0	water based	
2023	1.37	47.0	22.0	water based	
3056	1.55	46.0	29.0	water based	
3418	1.55	50.0	25.0	water based	
3838	1.55	51.0	31.0	water based	
4040	1.63	52.0	31.0	water based	