

**General information**

Wellbore name	15/12-2
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Factmaps in new window	link to map
Main area	NORTH SEA
Well name	15/12-2
Seismic location	LINE 511-327 SP.485
Production licence	038
Drilling operator	Den norske stats oljeselskap a.s
Drill permit	146-L
Drilling facility	ROSS RIG (1)
Drilling days	52
Entered date	07.01.1976
Completed date	27.02.1976
Release date	27.02.1978
Publication date	24.09.2004
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	25.0
Water depth [m]	86.0
Total depth (MD) [m RKB]	2924.0
Final vertical depth (TVD) [m RKB]	2922.0
Maximum inclination [°]	5
Bottom hole temperature [°C]	81
Oldest penetrated age	LATE PERMIAN
Oldest penetrated formation	ZECHSTEIN GP
Geodetic datum	ED50
NS degrees	58° 8' 31.05" N
EW degrees	1° 55' 47.27" E
NS UTM [m]	6445161.61
EW UTM [m]	436990.20
UTM zone	31
NPDID wellbore	331

**Wellbore history****General**

Well 15/12-2 was drilled in order to evaluate Jurassic formations on a seismic structure located in the eastern part of block 15/12. The principal objective of the 15/12-2 well was to test the Dogger (Hugin Formation) sandstone, where oil shows had been encountered in the 15/12-1 well. A secondary object was a possible sand in the Paleocene.

Operations and results

Wildcat well 15/12-2 was spudded with the semi-submersible installation Ross Rig on 7 January 1976 and drilled to TD at 2924 m in Late Permian Zechstein anhydrite. The well was drilled with a lignosulphonate mud system.

No sand was found in the Paleocene. The Hugin Formation sandstone was found 304 meters higher than in the 15/12-1 well. The sandstone proved to have very good reservoir qualities, but was completely water bearing. There were sandstone stringers in the lower part of the Heather Formation. The Hugin Formation sand was cored from 2823 m to 2835.4 m, with no show. No fluid sampling was attempted in the well.

The well was permanently abandoned as a dry well on 27 February 1976.

Testing

No drill stem test was performed

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
145.00	2924.00

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	2823.0	2835.4	[m]

Total core sample length [m]	12.4
Cores available for sampling?	YES

Palynological slides at the Norwegian Offshore Directorate



Sample depth	Depth unit	Sample type	Laboratory
1005.0	[m]	DC	
1035.0	[m]	DC	
1065.0	[m]	DC	
1095.0	[m]	DC	
1125.0	[m]	DC	
1155.0	[m]	DC	
1185.0	[m]	DC	
1215.0	[m]	DC	
1245.0	[m]	DC	
1275.0	[m]	DC	
1295.0	[m]	DC	
1335.0	[m]	DC	
1375.0	[m]	DC	
1415.0	[m]	DC	
1455.0	[m]	DC	
1495.0	[m]	DC	
1535.0	[m]	DC	
1575.0	[m]	DC	
1615.0	[m]	DC	
1655.0	[m]	DC	
1695.0	[m]	DC	
1735.0	[m]	DC	
1775.0	[m]	DC	
1815.0	[m]	DC	
1845.0	[m]	DC	
1875.0	[m]	DC	
1905.0	[m]	DC	
1935.0	[m]	DC	
1965.0	[m]	DC	
1995.0	[m]	DC	
2015.0	[m]	DC	
2025.0	[m]	DC	
2045.0	[m]	DC	
2055.0	[m]	DC	
2065.0	[m]	DC	
2075.0	[m]	DC	
2085.0	[m]	DC	
2115.0	[m]	DC	
2145.0	[m]	DC	



2175.0 [m]	DC	
2205.0 [m]	DC	
2235.0 [m]	DC	
2266.0 [m]	DC	
2294.0 [m]	DC	
2324.0 [m]	DC	
2354.0 [m]	DC	
2384.0 [m]	DC	
2390.0 [m]	SWC	
2414.0 [m]	DC	
2414.0 [m]	DC	
2444.0 [m]	DC	
2474.0 [m]	DC	
2475.0 [m]	DC	
2504.0 [m]	DC	
2505.0 [m]	DC	
2534.0 [m]	DC	
2555.0 [m]	DC	
2564.0 [m]	DC	
2575.0 [m]	DC	
2594.0 [m]	DC	
2624.0 [m]	DC	
2654.0 [m]	DC	
2660.0 [m]	DC	
2680.0 [m]	DC	
2684.0 [m]	DC	
2700.0 [m]	DC	
2714.0 [m]	DC	
2744.0 [m]	DC	
2760.0 [m]	DC	
2774.0 [m]	DC	
2804.0 [m]	DC	
2818.0 [m]	DC	
2820.0 [m]	DC	
2823.0 [m]	C	
2823.3 [m]	C	
2825.0 [m]	C	
2827.5 [m]	C	
2829.0 [m]	C	
2830.0 [m]	C	



2831.1	[m]	C	
2832.0	[m]	C	
2833.0	[m]	C	
2834.0	[m]	C	
2834.0	[m]	DC	
2834.5	[m]	C	
2835.0	[m]	C	
2836.0	[m]	DC	
2864.0	[m]	DC	
2890.0	[m]	DC	
2894.0	[m]	DC	
2918.0	[m]	DC	

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
111	NORDLAND GP
993	UTSIRA FM
1038	HORDALAND GP
1963	ROGALAND GP
1963	BALDER FM
2045	SELE FM
2075	LISTA FM
2224	VÅLE FM
2234	SHETLAND GP
2234	EKOFISK FM
2268	TOR FM
2425	HOD FM
2525	BLODØKS FM
2542	SVARTE FM
2650	CROMER KNOLL GP
2650	SOLA FM
2667	ÅSGARD FM
2703	VIKING GP
2703	DRAUPNE FM
2765	HEATHER FM
2818	VESTLAND GP
2818	HUGIN FM
2868	NO GROUP DEFINED



2868	SMITH BANK FM
2888	ZECHSTEIN GP

Composite logs

Document name	Document format	Document size [MB]
331	pdf	0.28

Geochemical information

Document name	Document format	Document size [MB]
331_1	pdf	2.18
331_2 Report on oil source rock correlation in well 15_12_2	pdf	1.66

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

Document name	Document format	Document size [MB]
331_01 WDSS General Information	pdf	0.26

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

Document name	Document format	Document size [MB]
331_1 Completion report and Completion log	pdf	8.12
331_2 Final well history report	pdf	46.86
331_2 Report on oil source rock correlation in well 15_12_2	pdf	1.66
331_3 Evaluation report	pdf	0.78
331_4 Geological prognosis and drilling program	pdf	32.61
331_5 Paleontological study	pdf	0.68
331_6 Petrographic study	pdf	58.67
331_7 Report on oil source rock correlation	pdf	1.66
331_8 ADT end of well report	pdf	1.83





Logs

Log type	Log top depth [m]	Log bottom depth [m]
CNL BHC GR	3350	4448
DIL BHC GR	3350	4448
FDC CNL GR	565	4448
HDT WSS CST CBL	2150	3361
ISF BHC GR	171	3361
VSP	325	4450

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	143.0	36	145.0	0.00	LOT
SURF.COND.	20	344.0	26	370.0	0.00	LOT
INTERM.	13 3/8	1787.0	17 1/2	1943.0	0.00	LOT
OPEN HOLE		2924.0	12 1/4	2924.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
350	1.10			seawater	
2650	1.41			seawater	