

**General information**

Wellbore name	2/8-7
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Factmaps in new window	link to map
Main area	NORTH SEA
Well name	2/8-7
Seismic location	LINE 72-18 SP.24
Production licence	006
Drilling operator	Amoco Norway Oil Company
Drill permit	134-L
Drilling facility	ZAPATA EXPLORER
Drilling days	33
Entered date	23.07.1975
Completed date	24.08.1975
Release date	24.08.1977
Publication date	24.09.2004
Purpose - planned	WILDCAT
Reentry	NO
Content	OIL SHOWS
Discovery wellbore	NO
Kelly bushing elevation [m]	33.0
Water depth [m]	68.0
Total depth (MD) [m RKB]	2868.0
Final vertical depth (TVD) [m RKB]	2868.0
Bottom hole temperature [°C]	113
Oldest penetrated age	LATE PERMIAN
Oldest penetrated formation	ZECHSTEIN GP
Geodetic datum	ED50
NS degrees	56° 26' 49.8" N
EW degrees	3° 36' 50.6" E
NS UTM [m]	6256157.92
EW UTM [m]	537855.51
UTM zone	31
NPDID wellbore	277

**Wellbore history****General**

Well 2/8-7 is located on the western side of the Piggvar Terrace towards the Feda Graben. The well was drilled to test the Late Cretaceous Limestone in the Trud structure. Structurally, the Trud anomaly is a high relief, salt induced, domal feature covering approximately 19 square kilometres. The structure was seen as highly faulted with a main fault trending north south, with the down-thrown side to the east. The displacement along this fault was estimated to approximately 150 m. No secondary objective was defined.

Operations and results

Wildcat well 2/8-7 was spudded with the jack-up installation Zapata Explorer on 23 July 1975 and drilled to a total depth of 2868 m in the Late Permian salt. The well was drilled without major problems. The well was drilled with seawater gel down to 375 m, and with a Lime/Drispac/seawater mud system from 375 m to TD. The mud weight was cut and LCM pills spotted at 2619 m to cure lost circulation problems.

The Tertiary section consisted predominantly of claystone and shale. The Paleocene ash markerá (Balder Formation) was encountered at 2511 m and was found to be 12 m thick. The Shetland Group chalk section (Ekofisk, Tor, and Hod Formations) was encountered at 2596 m. The Chalk section had a vertical thickness of 223 m, which compares to roughly 451 m in 2/5-4, 458 m in 2/9-1 and 280 m in 2/8-2. Oil shows were recorded in limestone stringers below 1548 m. The target Late Crataceous section had 12 m of oil shows from top of the Danian chalk (Ekofisk Formation), the core from this section was boiling gas and bleeding oil from vugs and fractures. Schlumberger logs were run before the 9 5/8-inch casing was set and after total depth was reached. Coriband log analysis estimated a water saturation around 60% in the top Ekofisk section. A core was cut from 8538 to 8554 feet (ca 2602 m to 2607 m) with 50% recovery. No fluid samples were taken. The well was permanently abandoned on 24 August as a well with oil shows.

Testing

No drill stem test was performed

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
152.40	2846.83

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	8538.0	8546.0	[ft]

Total core sample length [m]	2.4
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Cores available for sampling?	YES
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Palynological slides at the Norwegian Offshore Directorate

Sample depth	Depth unit	Sample type	Laboratory
7420.0	[ft]	DC	HRS
7480.0	[ft]	DC	HRS
7540.0	[ft]	DC	HRS
7590.0	[ft]	DC	HRS
7620.0	[ft]	DC	HRS
7650.0	[ft]	DC	HRS
7720.0	[ft]	DC	HRS
7780.0	[ft]	DC	HRS
7860.0	[ft]	DC	HRS
7920.0	[ft]	DC	HRS
7980.0	[ft]	DC	HRS
8040.0	[ft]	DC	HRS
8100.0	[ft]	DC	HRS
8160.0	[ft]	DC	HRS
8210.0	[ft]	DC	HRS
8270.0	[ft]	DC	HRS
8330.0	[ft]	DC	HRS
8390.0	[ft]	DC	HRS
8410.0	[ft]	DC	HRS
8430.0	[ft]	DC	HRS
8450.0	[ft]	DC	HRS
8470.0	[ft]	DC	HRS
8490.0	[ft]	DC	HRS
8510.0	[ft]	DC	HRS
8530.0	[ft]	DC	HRS
8550.0	[ft]	DC	HRS
8600.0	[ft]	DC	HRS

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
101	NORDLAND GP
1360	HORDALAND GP



2511	ROGALAND GP
2511	BALDER FM
2521	SELE FM
2538	LISTA FM
2582	VÅLE FM
2596	SHETLAND GP
2596	EKOFISK FM
2627	TOR FM
2739	HOD FM
2819	CROMER KNOLL GP
2825	ZECHSTEIN GP

Composite logs

Document name	Document format	Document size [MB]
277	pdf	0.39

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

Document name	Document format	Document size [MB]
277_01_WDSS_General_Information	pdf	0.24

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

Document name	Document format	Document size [MB]
277_1_Completion_Report_and_Completion_Logging	pdf	9.06

Logs

Log type	Log top depth [m]	Log bottom depth [m]
CBL	485	1368
DIP	2579	2867
DLL MSFL SP GR CAL	1295	2565





DLL MSFL SP GR CAL	2575	2867
FDC CNL GR CAL	1296	2575
FDC CNL GR CAL	2575	2867
GR SONIC CAL	1297	2575
GR SONIC CAL	2575	2867
IES SP	2575	2867
VELOCITY	304	2867

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	146.0	36	146.0	0.00	LOT
SURF.COND.	20	371.0	26	375.0	0.00	LOT
INTERM.	13 3/8	1298.0	17 1/2	1303.0	0.00	LOT
INTERM.	9 5/8	2576.0	12 1/4	2576.0	0.00	LOT
OPEN HOLE		2868.0	8 1/2	2868.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
374	1.05	65.0		seawater	
653	1.25	45.0		seawater	
1285	1.28	51.0		seawater	
1323	1.79	65.0		seawater	
2345	1.80	55.0		seawater	