



General information

Wellbore name	11/9-1
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Factmaps in new window	link to map
Main area	NORTH SEA
Well name	11/9-1
Seismic location	LINE 69/5716 SP.108
Production licence	009
Drilling operator	Elf Petroleum Norge AS
Drill permit	147-L
Drilling facility	DEEPSEA DRILLER
Drilling days	44
Entered date	16.01.1976
Completed date	28.02.1976
Release date	28.02.1978
Publication date	22.04.2005
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	25.0
Water depth [m]	73.0
Total depth (MD) [m RKB]	1972.0
Bottom hole temperature [°C]	44
Oldest penetrated age	LATE PERMIAN
Oldest penetrated formation	ZECHSTEIN GP
Geodetic datum	ED50
NS degrees	57° 16' 33.2" N
EW degrees	6° 44' 52.6" E
NS UTM [m]	6350485.55
EW UTM [m]	364214.18
UTM zone	32
NPDID wellbore	307

Wellbore history

**General**

Well 11/9-1 is located in the Horn Graben far to the east in the North Sea towards the Skagerrak Sea, ca 15 km from the Danish border. It was located near the top of a saliferous structure in order to explore the whole Triassic series in the most favourable structural position. The structure is potentially large, but since all horizons above the Jurassic level were expected to crop out on the seabed the objective horizon was Lower Middle Triassic carbonaceous shales. These shales were seen both as source rock and seal for hydrocarbons in underlying sandstones (basal Triassic Brockelschiefer). No other objectives were defined for this well.

Operations and results

Wildcat well 11/9-1 was spudded with the semi-submersible installation Deepsea Driller on 16 January 1976 and drilled to TD at 1972 m, 42 m into Late Permian Zechstein salt. The well was drilled water based with spud mud down to 660 m and with ferrochrom lignosulphonate mud (FCL) from 660 m to TD.

Drilling was without returns to 145 m. From there red sandstones and variegated shales made up a very thick Triassic interval (1785 m). The Triassic contained reservoirs as usual but no obvious sealing intervals were seen. Moreover, no potential source rocks were encountered. No shows of gas or oil were recorded during drilling and the different reservoirs were water bearing from the logs. No conventional core was cut and no fluid sample taken. Forty sidewall cores were retrieved in two runs in the interval 737 m to 1962 m.

The well was permanently abandoned on 28 February 1976 as a dry hole.

Testing

No drill stem test was performed.

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
150.00	1970.00

Cuttings available for sampling?	YES
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Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
98	NO DATA
145	NO GROUP DEFINED
145	SKAGERRAK FM
644	SMITH BANK FM
1930	ZECHSTEIN GP



Composite logs

Document name	Document format	Document size [MB]
307	pdf	0.20

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

Document name	Document format	Document size [MB]
307_01_WDSS_General_Information	pdf	0.27

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

Document name	Document format	Document size [MB]
307_01_Drilling_report	pdf	5.16
307_02_Provisional_Geological_report	pdf	0.79
307_03_Composite_log	pdf	0.74
307_04_Geological_note_on_the_well	pdf	0.58
307_05_Well_prognosis	pdf	53.64
307_06_Lithological_study_and_sedimentological_interpretation	pdf	2.91
307_07_Drilling_program	pdf	6.97

Logs

Log type	Log top depth [m]	Log bottom depth [m]
BHC GR	145	655
BHC GR	653	1726
BHC GR	1718	1964
CBL	300	1718
HDT	1718	1963
IES	653	1726
IES PS	1718	1963
SWC	737	1725
SWC	1732	1962



**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	145.0	36	145.0	0.00	LOT
SURF.COND.	13 3/8	653.0	17 1/2	653.0	0.00	LOT
INTERM.	9 5/8	1718.0	12 1/4	1720.0	0.00	LOT
OPEN HOLE		1972.0	8 1/2	1972.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
145	1.06	100.0		seawater	
580	1.15	70.0		waterbased	
1030	1.12	44.0		waterbased	
1442	1.21	50.0		waterbased	
1752	1.18	47.0		waterbased	
1972	1.18	47.0		waterbased	