

**General information**

Wellbore name	2/9-2
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Factmaps in new window	link to map
Main area	NORTH SEA
Well name	2/9-2
Seismic location	ANO74-90 & SP 100
Production licence	032
Drilling operator	Amoco Norway Oil Company
Drill permit	220-L
Drilling facility	DYVI ALPHA
Drilling days	60
Entered date	07.07.1979
Completed date	04.09.1979
Release date	04.09.1981
Publication date	26.10.2009
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	25.0
Water depth [m]	68.0
Total depth (MD) [m RKB]	4367.0
Maximum inclination [°]	10
Bottom hole temperature [°C]	115
Oldest penetrated age	EARLY PERMIAN
Oldest penetrated formation	ROTLIEGEND GP
Geodetic datum	ED50
NS degrees	56° 20' 56.66" N
EW degrees	3° 56' 0.7" E
NS UTM [m]	6245461.36
EW UTM [m]	557698.07
UTM zone	31
NPDID wellbore	283

**Wellbore history****General**

Well 2/9-2 is located on the Piggvar Terrace in the southern North Sea. The primary objective was to test a broad structural closure where Jurassic Sands were postulated to be present along the narrow intermediate zone between the Mandal High to the east and the Central Graben to the west.

Operations and results

Wildcat well 2/9-2 was spudded with the semi-submersible installation Dyvi Alpha on 7 July 1979 and drilled to TD at 4367 m in the Early Permian Rotliegend Group. The well was drilled without significant problems. However, four days were spent on retrieving the wear bushing prior to running the 13 3/8-inch casing. The well was drilled to 1513 meters using seawater, spotting high viscous gel pills occasionally while drilling and upon completion of each hole interval. A weighted Gypsum-polymer mud was used below this depth to TD.

The Late Jurassic was encountered at 3653 m, 16 m low to prognosis, confirming the structural interpretation. The Late Jurassic section (3653-4293 m) consisted of 640 meters of predominantly black shale with no sands and was age-dated Middle Kimmeridgian-Portlandian. No Jurassic rocks older than Middle Kimmeridgian were found. From 4290-4325 m, the section was silty and sandy but impermeable. From 4325 m to TD lithology was interpreted to be weathered volcanics of possibly Permian age, with caved Kimmeridgian shales. Stratigraphic and petrophysical data pertinent to further evaluation of the Jurassic zone was secured through the acquisition of one conventional core and an almost complete set of open hole logs. Poor to very poor shows were seen in the intervals 4135 - 4155 m and 4160 - 4182.5 m in the Late Jurassic. They were described as 0-15% dull yellow fluorescence, slow streaming, low intensity, blue-white cut.

One conventional core was cut in the Late Jurassic from 3897 - 3916 m with 100% recovery. Sidewall coring was abandoned as the tool became stuck in the hole at 3460 m. No wire line pressure points or fluid samples were taken.

The well was permanently abandoned on 4 September 1979 as a dry well.

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	3897.0	3915.0	[m]

Total core sample length [m]	18.0
Cores available for sampling?	YES

**Palynological slides at the Norwegian Offshore Directorate**

Sample depth	Depth unit	Sample type	Laboratory
3897.1	[m]	C	HRS
3905.6	[m]	C	HRS
3912.8	[m]	C	HRS

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
93	NORDLAND GP
1560	HORDALAND GP
2927	ROGALAND GP
2927	BALDER FM
2945	SELE FM
2982	LISTA FM
3029	VÅLE FM
3039	SHETLAND GP
3039	EKOFISK FM
3126	TOR FM
3412	HOD FM
3471	CROMER KNOLL GP
3471	RØDBY FM
3524	ÅSGARD FM
3653	TYNE GP
3653	MANDAL FM
3755	FARSUND FM
4032	HAUGESUND FM
4292	VESTLAND GP
4292	ULA FM
4316	ROTLIEGEND GP

Geochemical information

Document name	Document format	Document size [MB]
283_1	pdf	2.46
283_2	pdf	4.45
283_3	pdf	0.34





283_4	pdf	0.11
283_5	pdf	2.52

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

Document name	Document format	Document size [MB]
283_01_WDSS_General_Information	pdf	0.11
283_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]
283_01_2_9_2_Completion_Log	pdf	2.23
283_01_2_9_2_Completion_report	pdf	7.94

Logs

Log type	Log top depth [m]	Log bottom depth [m]
BHC AL IEL GR SP	153	363
BHC AL IEL GR SP	358	1714
BHC AL IEL GR SP	1701	3510
BHC AL IEL GR SP	3499	4670
CBL VDL	93	1675
CBL VDL	1290	3500
CDL CDN GR C	3499	4367
DIPLOG	1701	3510
DIPLOG	3499	4367
DLL MLL GR SP	3499	4367
VELOCITY	3499	4367

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	153.0	36	155.0	0.00	LOT
SURF.COND.	20	357.0	26	365.0	1.38	LOT





INTERM.	13 3/8	1701.0	17 1/2	1718.0	1.70	LOT
INTERM.	9 5/8	3499.0	12 1/4	3510.0	2.09	LOT
OPEN HOLE		4367.0	8 3/8	4367.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
365	1.04	80.0		waterbased	
1440	1.03	27.0		waterbased	
1719	1.56	38.0		waterbased	
2050	1.62	49.0		waterbased	
3542	1.59	42.0		waterbased	
3923	1.58	52.0		waterbased	

Thin sections at the Norwegian Offshore Directorate

Depth	Unit
3904.00	[m]
3907.00	[m]