

**General information**

Wellbore name	6407/9-7
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Factmaps in new window	link to map
Main area	NORWEGIAN SEA
Well name	6407/9-7
Seismic location	ST 8607 - 409 & SP. 119.1
Production licence	093
Drilling operator	A/S Norske Shell
Drill permit	577-L
Drilling facility	TREASURE SCOUT
Drilling days	30
Entered date	26.04.1988
Completed date	25.05.1988
Release date	25.05.1990
Publication date	02.03.2004
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	23.0
Water depth [m]	241.0
Total depth (MD) [m RKB]	2561.0
Final vertical depth (TVD) [m RKB]	2561.0
Maximum inclination [°]	2
Bottom hole temperature [°C]	74
Oldest penetrated age	LATE TRIASSIC
Oldest penetrated formation	RED BEDS (INFORMAL)
Geodetic datum	ED50
NS degrees	64° 29' 48.05" N
EW degrees	7° 51' 44.9" E
NS UTM [m]	7153029.89
EW UTM [m]	445350.25
UTM zone	32
NPDID wellbore	1057



Wellbore history

General

Well 6407/9-7 was located on the crest of the "Husky" structure approximately 11 km NNE of Draugen well 6407/9-2.

The main objectives of the well were: to evaluate the hydrocarbon potential of the Middle Jurassic sandstones of the "Husky" prospect; to evaluate the Early Jurassic sands; to fulfil the work obligation of the licence by drilling a second exploration well into the Triassic.

Operations and results

Wildcat well 6407/9-7 was spudded with Wilh. Wilhelmsen semi-submersible installation Treasure Scout on 26 April 1988 and drilled to TD at 2561 m in the Triassic Red Beds. The well was drilled with Seawater and hi-vis pills down to 810 m and with KCl/Polymer mud from 810 m to TD. The drilling proceeded without problems. No shallow gas was encountered.

The target Middle and Early Jurassic reservoir sands were well developed, particularly in the Garn Formation. There were no signs of hydrocarbons, either within the Jurassic sequence or in the overlying section. The well was considered a conclusive dry test of the Husky structure.

No cores were cut and no fluid samples were taken. The well was permanently abandoned on 25 May 1988 as a dry well.

Testing

No drill stem test was performed

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
820.00	2559.00

Cuttings available for sampling?	YES
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Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
264	NORDLAND GP
264	NAUST FM
907	HORDALAND GP
907	BRYGGE FM
1476	ROGALAND GP



1476	TARE FM
1515	TANG FM
1639	SHETLAND GP
1666	CROMER KNOLL GP
1666	LANGE FM
1692	VIKING GP
1692	SPEKK FM
1714	FANGST GP
1714	GARN FM
1834	NOT FM
1864	ILE FM
1926	BÅT GP
1926	ROR FM
2043	TILJE FM
2139	ÅRE FM
2439	GREY BEDS (INFORMAL)
2526	RED BEDS (INFORMAL)

Composite logs

Document name	Document format	Document size [MB]
1057	pdf	0.42

Geochemical information

Document name	Document format	Document size [MB]
1057_1	pdf	2.66

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

Document name	Document format	Document size [MB]
1057_01 WDSS General Information	pdf	0.19
1057_02 WDSS completion log	pdf	0.17



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

Document name	Document format	Document size [MB]
1057_6407_9_7_COMPLETION_REPORT_AND_LOG	pdf	15.43

Logs

Log type	Log top depth [m]	Log bottom depth [m]
CBL VDL GR	650	1701
CHECK SHOTS	270	2560
CST GR	800	1679
CST GR	1704	2550
ISF CNL GR CAL	800	1679
ISF LSS GR SP	340	809
ISF LSS GR SP	1701	2558
LDL CNL GR CAL	340	809
LDL CNL NGL CAL	1701	2559
MWD - DLWD	354	2561
RFT GR	0	0
SHDT	1701	2559

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	339.0	36	348.0	0.00	LOT
SURF.COND.	20	799.0	26	810.0	1.42	LOT
INTERM.	9 5/8	1698.0	12 1/4	1708.0	1.50	LOT
OPEN HOLE		2561.0	8 1/2	2561.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
309	1.03	1200.0	80.0	WATER BASED	02.05.1988
348	1.03	1200.0	800.0	WATER BASED	02.05.1988
388	1.02			WATER BASED	12.05.1987





455	1.04			WATER BASED	14.05.1987
461	1.04			WATER BASED	14.05.1987
463	1.02			WATER BASED	18.05.1987
463	1.04			WATER BASED	19.05.1987
525	1.04			WATER BASED	21.05.1987
569	1.03	1200.0	800.0	WATER BASED	02.05.1988
800	1.04	1200.0	800.0	WATER BASED	03.05.1988
800	1.03	1200.0	12.0	WATER BASED	05.05.1988
800	1.03	1200.0	12.0	WATER BASED	06.05.1988
810	1.04	1200.0	12.0	WATER BASED	03.05.1988
815	1.30			WATER BASED	09.05.1988
1139	1.30			WATER BASED	09.05.1988
1455	1.31	26.0	11.0	WATER BASED	13.05.1988
1679	1.31	26.0	8.0	WATER BASED	13.05.1988
1708	1.32	24.0	9.0	WATER BASED	13.05.1988
1708	1.32	23.0	7.0	WATER BASED	13.05.1988
1833	1.20	26.0	9.0	WATER BASED	16.05.1988
1846	1.20	25.0	9.0	WATER BASED	16.05.1988
2186	1.20	24.0	8.0	WATER BASED	18.05.1988
2322	1.20	17.0	7.0	WATER BASED	18.05.1988
2355	0.00			WATER BASED	19.05.1988
2411	1.20	15.0	6.0	WATER BASED	19.05.1988
2561	1.20	15.0	7.0	WATER BASED	24.05.1988

Pressure plots

The pore pressure data is sourced from well logs if no other source is specified. In some wells where pore pressure logs do not exist, information from Drill stem tests and kicks have been used. The data has been reported to the NPD, and further processed and quality controlled by IHS Markit.

Document name	Document format	Document size [MB]
1057 Formation pressure (Formasjonstrykk)	pdf	0.30

