



General information

Wellbore name	25/7-1 S
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Factmaps in new window	link to map
Main area	NORTH SEA
Well name	25/7-1
Seismic location	CN 8525 - 11 SP. 326
Production licence	103
Drilling operator	Conoco Norway Inc.
Drill permit	512-L
Drilling facility	NORTRYM
Drilling days	97
Entered date	14.04.1986
Completed date	19.07.1986
Release date	19.07.1988
Publication date	10.01.2010
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	25.0
Water depth [m]	127.0
Total depth (MD) [m RKB]	3592.0
Final vertical depth (TVD) [m RKB]	3495.0
Maximum inclination [°]	32
Bottom hole temperature [°C]	114
Oldest penetrated age	PRE-DEVONIAN
Oldest penetrated formation	BASEMENT
Geodetic datum	ED50
NS degrees	59° 18' 35.23" N
EW degrees	2° 16' 5.37" E
NS UTM [m]	6574928.80
EW UTM [m]	458330.76
UTM zone	31
NPDID wellbore	898



Wellbore history

General

Well 25/7-1 S was drilled in the southern part of the Viking Graben, close to the UK border. The primary objective was test Late Jurassic sands in a down thrown fault block located northwest of the Balder Field. Secondary objectives were Middle Jurassic sandstones and the Paleocene Heimdal Formation sands, if developed. Prognosed TD was 4525 m.

Operations and results

Wildcat well 25/7 1S was spudded with the semi-submersible installation Nortrym on 14 April 1986 and drilled to TD at 3592 m in Silurian basement. While tripping from 1525 m the pipe became stuck and this resulted in a 38 m fish being left in the hole from 1067 to 1105 m. The kick off to bypass the fish was at 1024 m. The hole was then drilled to 2094 m before becoming stuck at 1930 m during a trip. The drill string was freed again after 5 days. Drilling then proceeded to 2477 m at which depth the pipe became stuck for a further 17 hours. The well was drilled with seawater down to 1024 and with KCl/polymer mud from 1024 m to TD. Two % diesel was added to the mud below 3241 m to alleviate high torque.

The original geological model for the prospect was wrong. Jurassic - Devonian rocks were not found. A possible explanation is that drilling took place along a fault zone. No good hydrocarbon indications or fluorescence were observed in the well. One sample at 2084 m (Balder Formation) was described as having an orange/brown medium fluorescence, occasionally bright, with a fast, strong, cream/white fluorescent cut.

Onecore was cut at 3547.0 - 3554.8 m across an indeterminate, possibly Triassic section overlying basement, and a second at 3589.0 - 3592.0 m in basement rock. No wire line fluid samples were taken.

The well was permanently abandoned on 19 July 1986 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]
260.00	3590.00

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	3589.0	3591.5	[m]



2	3547.0	3554.8	[m]
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Total core sample length [m]	10.4
Cores available for sampling?	YES

Core photos



3547-3555m



3547-3555m



3547-3555m



3547-3555m



3547-3555m



3547-3555m



3547-3555m



3547-3555m



3547-3555m



3547-3555m



3547-3555m



3547-3555m



3547-3555m



3547-3555m



3589-3592m



3589-3592m



3589-3592m



3589-3592m



3589-3592m

Palynological slides at the Norwegian Offshore Directorate

Sample depth	Depth unit	Sample type	Laboratory
1901.0	[m]	DC	RRI
1919.0	[m]	DC	RRI



1940.0	[m]	DC	RRI
1961.0	[m]	DC	RRI
1979.0	[m]	DC	RRI
2000.0	[m]	DC	RRI
2009.0	[m]	DC	RRI
2024.0	[m]	DC	RRI
2069.0	[m]	DC	RRI
2081.0	[m]	DC	RRI
2090.0	[m]	DC	RRI
2111.0	[m]	DC	RRI
2120.0	[m]	DC	RRI
2141.0	[m]	DC	RRI
2159.0	[m]	DC	RRI
2411.0	[m]	DC	RRI
2447.0	[m]	DC	RRI

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
152	NORDLAND GP
507	UTSIRA FM
925	HORDALAND GP
1017	SKADE FM
1992	ROGALAND GP
1992	BALDER FM
2066	SELE FM
2177	HEIMDAL FM
2414	TY FM
2572	SHETLAND GP
2572	EKOFISK FM
2615	TOR FM
2859	HOD FM
3217	HIDRA FM
3522	CROMER KNOLL GP
3522	RØDBY FM
3551	BASEMENT

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





Document name	Document format	Document size [MB]
898_01_WDSS_General_Information	pdf	0.22
898_02_WDSS_completion_log	pdf	0.33

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

Document name	Document format	Document size [MB]
898_01_25_7_1_S_Completion_Log	pdf	2.68
898_01_25_7_1_S_Completion_report	pdf	13.83

Logs

Log type	Log top depth [m]	Log bottom depth [m]
HRT CCL	60	2300
ISF LSL MSFL GR	3285	2401
ISF SLS GR SP	3272	3349
ISF SLS GR SP	3450	3592
ISF SLS MSFL GR	252	2200
LDL CNL GR	1010	2201
LDL CNL GR	2523	2808
LDL CNL GR	3272	3592
SHDT GR	3272	3592
VELOCITY	1000	3575
WST VSP	1000	3575

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	252.0	36	252.0	0.00	LOT
INTERM.	20	1009.0	26	1024.0	0.00	LOT
INTERM.	13 3/8	2396.0	17 1/2	2409.0	0.00	LOT
INTERM.	9 5/8	3273.0	12 1/4	3286.0	0.00	LOT

Drilling mud





Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
252	1.04	60.0	2681.0	WATER BASED	16.04.1986
727	1.13			WATER BASED	18.04.1986
1024	1.10			WATER BASED	21.04.1986
1108	1.20	20.0	25.0	WATER BASED	02.05.1986
1151	1.08	10.0	20.0	WATER BASED	25.04.1986
1525	1.20	18.0	23.0	WATER BASED	28.04.1986
1725	1.28	24.0	29.0	WATERBASED	06.05.1986
1934	1.30	24.0	29.0	WATERBASED	06.05.1986
2094	1.32	24.0	20.0	WATERBASED	12.05.1986
2094	0.00	32.0	22.0	WATERBASED	13.05.1986
2167	1.32	34.0	27.0	WATER BASED	19.05.1986
2233	1.32	37.0	23.0	WATER BASED	19.05.1986
2378	1.32	38.0	26.0	WATER BASED	19.05.1986
2409	1.31	40.0	36.0	WATERBASED	23.05.1986
2409	1.33	38.0	20.0	WATERBASED	05.06.1986
2468	1.32	38.0	30.0	WATERBASED	05.06.1986
3206	1.40	30.0	25.0	WATERBASED	15.06.1986
3220	1.50	41.0	15.0	WATERBASED	16.06.1986
3241	1.56	40.0	15.0	WATERBASED	17.06.1986
3285	1.68	47.0	16.8	WATERBASED	19.06.1986
3286	1.73	47.0	14.4	WATERBASED	22.06.1986
3383	1.90	38.0	12.4	WATERBASED	29.06.1986
3421	1.90	38.0	10.5	WATERBASED	29.06.1986
3476	1.92	38.0	10.5	WATERBASED	02.07.1986
3592	1.92	28.0	8.6	WATERBASED	13.07.1986
3592	0.00	28.0	8.6	WATERBASED	13.07.1986
3592	0.00	25.0	7.2	WATERBASED	16.07.1986
3592	0.00	19.0	4.3	WATERBASED	17.07.1986
3592	0.00			WATERBASED	19.07.1986