



General information

Wellbore name	25/5-1 A
Type	EXPLORATION
Purpose	APPRAISAL
Status	P&A
Factmaps in new window	link to map
Main area	NORTH SEA
Field	FRØY
Discovery	25/5-1 Frøy
Well name	25/5-1
Seismic location	EL 8503 - 417 SP 600 (578 TOP SLEIPNER)
Production licence	102
Drilling operator	Elf Petroleum Norge AS
Drill permit	554-L
Drilling facility	NORTRYM
Drilling days	47
Entered date	01.08.1987
Completed date	16.09.1987
Release date	16.09.1989
Publication date	17.12.2003
Purpose - planned	APPRAISAL
Reentry	NO
Content	OIL
Discovery wellbore	NO
1st level with HC, age	MIDDLE JURASSIC
1st level with HC, formation	HUGIN FM
2nd level with HC, age	MIDDLE JURASSIC
2nd level with HC, formation	SLEIPNER FM
Kelly bushing elevation [m]	25.0
Water depth [m]	118.0
Total depth (MD) [m RKB]	3432.0
Final vertical depth (TVD) [m RKB]	3178.0
Maximum inclination [°]	49
Bottom hole temperature [°C]	114
Oldest penetrated age	EARLY JURASSIC
Oldest penetrated formation	DRAKE FM
Geodetic datum	ED50
NS degrees	59° 43' 47.19" N



EW degrees	2° 34' 13.46" E
NS UTM [m]	6621549.92
EW UTM [m]	475841.98
UTM zone	31
NPDID wellbore	1131

Wellbore history

General

Appraisal well 25/5-1 A was drilled as a sidetrack to well 25/5-1. The wells are located in the Northern part of block 25/5 near the crest of a westward tilted Jurassic fault structure that straddles both block 25/5 and block 25/2.

The main purpose of the well was to prove additional accumulation and if possible determine an oil/water contact that might be compared with well 25/5-1. Also checking a possible spill point through the main fault mapped 4 km SSW of well 25/5-1.

Operations and results

Appraisal well 25/5-1A was spudded by Golar-Nor offshore a/s semi-submersible installation Nordtrym 1 August 1987, and completed 16 September 1987 at a depth of 3432 in the Early Jurassic Drake Formation. The Vestland Group came in at 3312 m (3050.9 m TVD MSL), 91.9 m TVD deeper than in 25/5-1 but with the same thickness as in 25/5-1. Top Dunlin Group / Drake Formation came in at 3403 m (3126.7 m TVD MSL). The whole reservoir was oil-saturated, confirming oil down to at least 3126.4 m TVD MSL, very close to the OWC that was estimated from the 25/5-1 pressure gradient data. However, a definite OWC was not observed. All in all the well supported a total vertical oil column of 166 m as estimated from well 25/5-1. The well was plugged and abandoned as an oil appraisal well.

Testing

No drill stem test was performed.

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
143	NORDLAND GP
444	UTSIRA FM
588	UNDIFFERENTIATED
920	HORDALAND GP
951	SKADE FM
1102	NO FORMAL NAME
1287	GRID FM
1345	NO FORMAL NAME
2170	ROGALAND GP



2170	BALDER FM
2201	INTRA BALDER FM SS
2215	BALDER FM
2241	SELE FM
2277	LISTA FM
2405	TY FM
2590	VÅLE FM
2616	SHETLAND GP
2616	HARDRÅDE FM
2953	KYRRE FM
3142	CROMER KNOLL GP
3150	VIKING GP
3150	DRAUPNE FM
3225	HEATHER FM
3312	VESTLAND GP
3312	HUGIN FM
3329	SLEIPNER FM
3403	DUNLIN GP
3403	DRAKE FM

Composite logs

Document name	Document format	Document size [MB]
1131	pdf	0.55

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

Document name	Document format	Document size [MB]
1131_01_WDSS_General_Information	pdf	0.32
1131_02_WDSS_completion_log	pdf	0.18

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

Document name	Document format	Document size [MB]
1131_25_5_1_A_COMPLETION_REPORT_AND_LOG	pdf	15.93





Logs

Log type	Log top depth [m]	Log bottom depth [m]
DIL LSS GR	2030	3428
DLL MSFL GR	3260	3426
LDT CNL NGT	2030	3419
MWD	2030	3432
RFT-TLC	2885	2990
RFT-TLC	3319	3389
SHDT GR	2630	3425
VDL GR	2030	3426
VSP	1959	3400

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
INTERM.	9 5/8	2030.0	12 1/4	2030.0	1.50	LOT
OPEN HOLE		3432.0	8 1/2	3432.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
2071	1.16	26.0	7.8	WATER BASED	06.08.1987
2082	1.18	35.0	8.8	WATER BASED	11.08.1987
2109	1.17	33.0	8.8	WATER BASED	07.08.1987
2199	1.17	38.0	9.3	WATER BASED	10.08.1987
2203	1.16	38.0	10.7	WATER BASED	13.08.1987
2248	1.18	42.0	10.7	WATER BASED	13.08.1987
2335	1.18	37.0	8.8	WATER BASED	14.08.1987
2483	1.19	43.0	8.8	WATER BASED	17.08.1987
2565	1.18	32.0	15.6	WATER BASED	17.08.1987
2579	1.18	40.0	11.7	WATER BASED	18.08.1987
2622	1.19	36.0	11.7	WATER BASED	19.08.1987
2632	1.19	36.0	10.7	WATER BASED	20.08.1987
2703	1.19	38.0	10.7	WATER BASED	21.08.1987





2791	1.19	34.0	12.7	WATER BASED	24.08.1987
2855	1.20	41.0	14.7	WATER BASED	25.08.1987
2900	1.19	40.0	14.7	WATER BASED	25.08.1987
2955	1.19	39.0	12.7	WATER BASED	26.08.1987
3020	1.20	45.0	14.2	WATER BASED	27.08.1987
3109	1.20	45.0	14.7	WATER BASED	28.08.1987
3122	1.20	45.0	14.7	WATER BASED	31.08.1987
3211	1.20	44.0	12.7	WATER BASED	31.08.1987
3342	1.20	46.0	15.6	WATER BASED	31.08.1987
3410	1.20	40.0	11.2	WATER BASED	03.09.1987
3432	1.20	31.0	7.3	WATER BASED	07.09.1987

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]
1131 Formation pressure (Formasjonstrykk)	pdf	0.22

