



General information

Wellbore name	25/2-16 S
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Press release	link to press release
Factmaps in new window	link to map
Main area	NORTH SEA
Well name	25/2-16
Seismic location	2D Linje e:nh 0075-108 & se nh 0075-106
Production licence	244
Drilling operator	Norsk Hydro Produksjon AS
Drill permit	1010-L
Drilling facility	TRANSOCEAN ARCTIC
Drilling days	42
Entered date	03.08.2001
Completed date	13.09.2001
Release date	13.09.2003
Publication date	24.09.2003
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	24.0
Water depth [m]	115.0
Total depth (MD) [m RKB]	4013.0
Final vertical depth (TVD) [m RKB]	3792.4
Maximum inclination [°]	29
Bottom hole temperature [°C]	121
Oldest penetrated age	EARLY JURASSIC
Oldest penetrated formation	DUNLIN GP
Geodetic datum	ED50
NS degrees	59° 45' 7.67" N
EW degrees	2° 24' 33.1" E
NS UTM [m]	6624109.27
EW UTM [m]	466798.67
UTM zone	31
NPDID wellbore	4385

**Wellbore history****General**

Exploration well 25/2-16 S is located ca 3 km southwest off the 25/2-5 Lille Frøy Discovery. It was aimed at a down faulted, rotated block with the reservoir being primarily in the Hugin Formation in the Middle Jurassic Vestland Group - the "Godzilla" prospect. The structure is situated on the hanging wall Southwest of the Rind Horst in blocks 25/2 and 25/5. The main objectives of the well were to prove an HC-water contact and sufficient HC volumes to be able to initiate a development.

Operations and results

The well 25/2-16 S was spudded with the semi-submersible installation "Transocean Arctic" on 3 August 2001. Because of hole problems at 3088 m the hole was cemented and plugged back to 1850 m and side tracked. The well was drilled with seawater and bentonite down to 1160 m and with "VERSAVERT" oil based mud from 1160 m to 3088 m. The technical sidetrack, 25/2-16 S T2, was kicked off on 23 August 2001 at 1915 m and was drilled to TD at 4013 m in the Dunlin Group. The sidetrack was drilled with "VERSAVERT" oil based mud from kick off to final TD. No mobile hydrocarbons were encountered in the Hugin or Sleipner Formations though log analysis indicated that residual quantities of hydrocarbons might be present. Pressure measurements in the Hugin and Sleipner Formations indicate that there exist pressure barriers internally in the reservoir section. No core was cut in this well and no fluid samples taken. The well was permanently abandoned as a dry well 13 September 2001.

Testing

No drill stem test was performed.

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
1117.00	3070.00

Cuttings available for sampling?	YES
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Palynological slides at the Norwegian Offshore Directorate

Sample depth	Depth unit	Sample type	Laboratory
1605.0	[m]	DC	GEOSTR
1635.0	[m]	DC	GEOSTR
1665.0	[m]	DC	GEOSTR
1695.0	[m]	DC	GEOSTR
1725.0	[m]	DC	GEOSTR
1755.0	[m]	DC	GEOSTR



1785.0	[m]	DC	GEOSTR
1815.0	[m]	DC	GEOSTR
2340.0	[m]	DC	GEOSTR
2350.0	[m]	DC	GEOSTR
2360.0	[m]	DC	GEOSTR
2370.0	[m]	DC	GEOSTR
2380.0	[m]	DC	GEOSTR
2390.0	[m]	DC	GEOSTR
2400.0	[m]	DC	GEOSTR
2410.0	[m]	DC	GEOSTR
2420.0	[m]	DC	GEOSTR
2430.0	[m]	DC	GEOSTR
2440.0	[m]	DC	GEOSTR
2450.0	[m]	DC	GEOSTR
2460.0	[m]	DC	GEOSTR
2470.0	[m]	DC	GEOSTR
2480.0	[m]	DC	GEOSTR
2490.0	[m]	DC	GEOSTR
2500.0	[m]	DC	GEOSTR
2510.0	[m]	DC	GEOSTR
2520.0	[m]	DC	GEOSTR
2530.0	[m]	DC	GEOSTR
2540.0	[m]	DC	GEOSTR
2550.0	[m]	DC	GEOSTR
2560.0	[m]	DC	GEOSTR
2570.0	[m]	DC	GEOSTR
2580.0	[m]	DC	GEOSTR
2590.0	[m]	DC	GEOSTR
2600.0	[m]	DC	GEOSTR
2610.0	[m]	DC	GEOSTR
2620.0	[m]	DC	GEOSTR
2630.0	[m]	DC	GEOSTR
2640.0	[m]	DC	GEOSTR
2650.0	[m]	DC	GEOSTR
2660.0	[m]	DC	GEOSTR
2670.0	[m]	DC	GEOSTR
2680.0	[m]	DC	GEOSTR
2690.0	[m]	DC	GEOSTR
2700.0	[m]	DC	GEOSTR
2710.0	[m]	DC	GEOSTR



2720.0	[m]	DC	GEOSTR
2730.0	[m]	DC	GEOSTR
2740.0	[m]	DC	GEOSTR
2750.0	[m]	DC	GEOSTR
2760.0	[m]	DC	GEOSTR
2770.0	[m]	DC	GEOSTR
2780.0	[m]	DC	GEOSTR
2790.0	[m]	DC	GEOSTR
2800.0	[m]	DC	GEOSTR
2810.0	[m]	DC	GEOSTR
2820.0	[m]	DC	GEOSTR
2830.0	[m]	DC	GEOSTR
2840.0	[m]	DC	GEOSTR
2850.0	[m]	DC	GEOSTR
2860.0	[m]	DC	GEOSTR
2870.0	[m]	DC	GEOSTR
2880.0	[m]	DC	GEOSTR
2890.0	[m]	DC	GEOSTR
2900.0	[m]	DC	GEOSTR
2910.0	[m]	DC	GEOSTR
2920.0	[m]	DC	GEOSTR
2950.0	[m]	DC	GEOSTR
2980.0	[m]	DC	GEOSTR
3010.0	[m]	DC	GEOSTR
3040.0	[m]	DC	GEOSTR
3070.0	[m]	DC	GEOSTR
3105.0	[m]	DC	GEOSTR
3135.0	[m]	DC	GEOSTR
3150.0	[m]	DC	GEOSTR
3165.0	[m]	DC	GEOSTR
3195.0	[m]	DC	GEOSTR
3225.0	[m]	DC	GEOSTR
3255.0	[m]	DC	GEOSTR
3285.0	[m]	DC	GEOSTR
3315.0	[m]	DC	GEOSTR
3345.0	[m]	DC	GEOSTR
3375.0	[m]	DC	GEOSTR
3405.0	[m]	DC	GEOSTR
3435.0	[m]	DC	GEOSTR
3465.0	[m]	DC	GEOSTR



3495.0	[m]	DC	GEOSTR
3525.0	[m]	DC	GEOSTR
3555.0	[m]	DC	GEOSTR
3585.0	[m]	DC	GEOSTR
3615.0	[m]	DC	GEOSTR
3645.0	[m]	DC	GEOSTR
3675.0	[m]	DC	GEOSTR
3690.0	[m]	DC	GEOSTR
3705.0	[m]	DC	GEOSTR
3720.0	[m]	DC	GEOSTR
3735.0	[m]	DC	GEOSTR
3750.0	[m]	DC	GEOSTR
3765.0	[m]	DC	GEOSTR
3780.0	[m]	DC	GEOSTR
3795.0	[m]	DC	GEOSTR
3801.0	[m]	DC	GEOSTR
3807.0	[m]	DC	GEOSTR
3810.0	[m]	DC	GEOSTR
3816.0	[m]	DC	GEOSTR
3819.0	[m]	DC	GEOSTR
3825.0	[m]	DC	GEOSTR
3831.0	[m]	DC	GEOSTR
3837.0	[m]	DC	GEOSTR
3843.0	[m]	DC	GEOSTR
3849.0	[m]	DC	GEOSTR
3855.0	[m]	DC	GEOSTR
3861.0	[m]	DC	GEOSTR
3867.0	[m]	DC	GEOSTR
3870.0	[m]	DC	GEOSTR
3876.0	[m]	DC	GEOSTR
3882.0	[m]	DC	GEOSTR
3885.0	[m]	DC	GEOSTR
3891.0	[m]	DC	GEOSTR
3897.0	[m]	DC	GEOSTR
3900.0	[m]	DC	GEOSTR
3906.0	[m]	DC	GEOSTR
3912.0	[m]	DC	GEOSTR
3915.0	[m]	DC	GEOSTR
3921.0	[m]	DC	GEOSTR
3927.0	[m]	DC	GEOSTR



3930.0	[m]	DC	GEOSTR
3936.0	[m]	DC	GEOSTR
3942.0	[m]	DC	GEOSTR
3945.0	[m]	DC	GEOSTR
3951.0	[m]	DC	GEOSTR
3957.0	[m]	DC	GEOSTR
3960.0	[m]	DC	GEOSTR
3966.0	[m]	DC	GEOSTR
3972.0	[m]	DC	GEOSTR
3975.0	[m]	DC	GEOSTR
3981.0	[m]	DC	GEOSTR
3987.0	[m]	DC	GEOSTR
3990.0	[m]	DC	GEOSTR
3996.0	[m]	DC	GEOSTR
4002.0	[m]	DC	GEOSTR
4005.0	[m]	DC	GEOSTR
4011.0	[m]	DC	GEOSTR
4013.0	[m]	DC	GEOSTR

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
139	NORDLAND GP
440	UTSIRA FM
465	NO FORMAL NAME
1035	HORDALAND GP
1052	SKADE FM
1065	NO FORMAL NAME
2227	ROGALAND GP
2227	BALDER FM
2243	INTRA BALDER FM SS
2330	BALDER FM
2364	SELE FM
2404	LISTA FM
2445	HEIMDAL FM
2475	LISTA FM
2538	HEIMDAL FM
2550	LISTA FM
2596	HEIMDAL FM



2603	LISTA FM
2636	HEIMDAL FM
2706	LISTA FM
2735	VÅLE FM
2868	TY FM
2878	VÅLE FM
2898	TY FM
2907	VÅLE FM
2909	SHETLAND GP
2909	HARDRÅDE FM
3130	KYRRE FM
3488	TRYGGVASON FM
3631	BLODØKS FM
3640	SVARTE FM
3693	CROMER KNOLL GP
3693	RØDBY FM
3709	MIME FM
3711	VIKING GP
3711	DRAUPNE FM
3755	HEATHER FM
3796	VESTLAND GP
3796	HUGIN FM
3921	SLEIPNER FM
3970	DUNLIN GP

Composite logs

Document name	Document format	Document size [MB]
4385	pdf	0.37

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

Document name	Document format	Document size [MB]
4385 25 2 16 S COMPLETION LOG	.PDF	4.19
4385 25 2 16 S COMPLETION REPORT	.PDF	2.87



**Logs**

Log type	Log top depth [m]	Log bottom depth [m]
GR MDT	2796	3969
GR VSP CSAT	2365	4000
MWD	139	223
MWD - VISION ADN ISONIC	3185	4013
MWD CDR - APWD	223	3088
MWD CDR - APWD	1915	2912
MWD CDR - APWD	2912	3185

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	223.0	36	223.0	0.00	LOT
SURF.COND.	13 3/8	1151.0	17 1/2	1155.0	1.54	LOT
INTERM.	9 5/8	3179.0	12 1/4	3185.0	1.84	LOT
OPEN HOLE		4013.0	8 1/2	4013.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
160	0.00			OIL BASED	
223	1.39	8.0		WATER BASED	
225	1.39	20.0		WATER BASED	
634	1.03			WATER BASED	
1160	1.03			WATER BASED	
1790	1.25	37.0		OIL BASED	
2101	1.25	32.0		OIL BASED	
2635	1.31	53.0		OIL BASED	
2730	1.25	33.0		OIL BASED	
2837	1.25	34.0		OIL BASED	
2860	1.49	53.0		OIL BASED	
2924	1.25	38.0		OIL BASED	
2983	1.25	37.0		OIL BASED	
2995	1.33	46.0		OIL BASED	
3056	1.25	36.0		OIL BASED	



3068	1.50	66.0		OIL BASED	
3089	1.25	39.0		OIL BASED	
3089	1.25	37.0		OIL BASED	
3185	1.41	52.0		OIL BASED	
3269	1.49	48.0		OIL BASED	
3841	1.50	46.0		OIL BASED	
4013	1.50	56.0		OIL BASED	

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]
4385 Formation pressure (Formasjonstrykk)	pdf	0.22

