

**General information**

Wellbore name	6608/10-11 S
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Press release	link to press release
Factmaps in new window	link to map
Main area	NORWEGIAN SEA
Field	URD
Discovery	6608/10-11 S (Trost)
Well name	6608/10-11
Seismic location	ST0103 Inline 5526 & Crossline 1663
Production licence	128
Drilling operator	Statoil ASA (old)
Drill permit	1121-L
Drilling facility	TRANSOCEAN ARCTIC
Drilling days	35
Entered date	12.07.2006
Completed date	15.08.2006
Release date	15.08.2008
Publication date	18.12.2008
Purpose - planned	WILDCAT
Reentry	NO
Content	GAS
Discovery wellbore	YES
1st level with HC, age	MIDDLE JURASSIC
1st level with HC, formation	NOT FM
Kelly bushing elevation [m]	24.0
Water depth [m]	375.7
Total depth (MD) [m RKB]	3725.1
Final vertical depth (TVD) [m RKB]	3243.3
Maximum inclination [°]	42.3
Bottom hole temperature [°C]	122
Oldest penetrated age	EARLY JURASSIC
Oldest penetrated formation	TILJE FM
Geodetic datum	ED50
NS degrees	66° 0' 48.68" N
EW degrees	8° 3' 14.73" E
NS UTM [m]	7321926.37



EW UTM [m]	457090.31
UTM zone	32
NPDID wellbore	5386

Wellbore history

General

Well 6608/10-11 S was drilled on the Norne field, located on the border between Dønne Terrasse and the Nordland Ridge in the south-western of block 6608/10. The primary objective for the exploration well 6608/10-11 S was to establish the existence of hydrocarbons in the Middle and Early Jurassic reservoir sandstones of the Fangst and Båt Group in the Trost prospect. The Trost prospect is located on a down-faulted fault block west of the Norne field. The stratigraphy is similar to the Norne reservoirs, and Not Formation sandstone is the main reservoir.

Operations and results

Well 6608/10-11 S was spudded with the semi-submersible installation Transocean Arctic on 12 July 2006 and drilled to TD at 3725 m (3243 m TVD) in the Tilje Formation. The well 6608/10-11 S was side tracked from Norne Well 6608/10-K-3 H, hence it was designed as a deviated well with kick off point from 6608/10-K-3 H below 13 3/8" casing shoe at 1366.1 m (1328.2 m TVD). The well was drilled with Carbo-Sea oil based mud from kick-off to TD.

The observed stratigraphy from the kick off point and down to the Fangst Group was generally in accordance with the prognosis. The Melke Formation was approximately 33 m thicker than prognosed, and the biggest discrepancies were therefore found from top Not Formation to TD of the well, where the formation tops came in from 36 to 74 m TVD deeper than prognosed.

Gas was proven in the Not Formation sandstone. This was indicated by both gamma ray and resistivity logs, and was confirmed by neutron and porosity logs, together with MDT pressure points. White to very pale yellow direct and slow cut fluorescence was observed in the reservoir section, but was probably largely due to oil based mud fluorescence and its invasion of the cuttings. Similar fluorescence was seen in the lower water zone of the reservoir.

No cores were cut. MDT gas samples were taken at 3511.2 m (3055.5 m TVD).

The well was permanently plugged back to 13 3/8" casing shoe and abandoned on 15 August 2006. It is classified as a gas discovery

Testing

No drill stem test was performed.

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
1380.00	3724.00

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

Sample depth	Depth unit	Sample type	Laboratory
1380.0	[m]	DC	MICROSTR
1390.0	[m]	DC	MICROS
1400.0	[m]	DC	MICROS
1410.0	[m]	DC	MICROS
1420.0	[m]	DC	MICROS
1430.0	[m]	DC	MICROS
1440.0	[m]	DC	MICROS
1480.0	[m]	DC	MICROS
1490.0	[m]	DC	MICROS
1500.0	[m]	DC	MICROS
1520.0	[m]	DC	MICROS
1530.0	[m]	DC	MICROS
1540.0	[m]	DC	MICROS
1560.0	[m]	DC	MICROS
1570.0	[m]	DC	MICROS
1590.0	[m]	DC	MICROS
1600.0	[m]	DC	MICROS
1620.0	[m]	DC	MICROS
1630.0	[m]	DC	MICROS
1640.0	[m]	DC	MICROS
1650.0	[m]	DC	MICROS
1660.0	[m]	DC	MICROS
1670.0	[m]	DC	MICROS
1680.0	[m]	DC	MICROS
1700.0	[m]	DC	MICROS
1720.0	[m]	DC	MICROS
1740.0	[m]	DC	MICROS
1760.0	[m]	DC	MICROS
1780.0	[m]	DC	MICROS
1800.0	[m]	DC	MICROS
1820.0	[m]	DC	MICROS
1840.0	[m]	DC	MICROS
1860.0	[m]	DC	MICROS
1880.0	[m]	DC	MICROS
1900.0	[m]	DC	MICROS
1920.0	[m]	DC	MICROS



1940.0	[m]	DC	MICROS
1960.0	[m]	DC	MICROS
1980.0	[m]	DC	MICROS
2000.0	[m]	DC	MICROS
2020.0	[m]	DC	MICROS
2040.0	[m]	DC	MICROS
2060.0	[m]	DC	MICROS
2080.0	[m]	DC	MICROS
2100.0	[m]	DC	MICROS
2120.0	[m]	DC	MICROS
2140.0	[m]	DC	MICROS
2160.0	[m]	DC	MICROS
2180.0	[m]	DC	MICROS
2200.0	[m]	DC	MICROS
2220.0	[m]	DC	MICROS
2260.0	[m]	DC	MICROS
2280.0	[m]	DC	MICROS
2300.0	[m]	DC	MICROS
2320.0	[m]	DC	MICROS
2340.0	[m]	DC	MICROS
2360.0	[m]	DC	MICROS
2380.0	[m]	DC	MICROS
2400.0	[m]	DC	MICROS
2420.0	[m]	DC	MICROS
2440.0	[m]	DC	MICROS
2460.0	[m]	DC	MICROS
2480.0	[m]	DC	MICROS
2500.0	[m]	DC	MICROS
2520.0	[m]	DC	MICROS
2540.0	[m]	DC	MICROS
2560.0	[m]	DC	MICROS
2580.0	[m]	DC	MICROS
2600.0	[m]	DC	MICROS
2620.0	[m]	DC	MICROS
2640.0	[m]	DC	MICROS
2660.0	[m]	DC	MICROS
2680.0	[m]	DC	MICROS
2700.0	[m]	DC	MICROS
2740.0	[m]	DC	MICROS
2760.0	[m]	DC	MICROS



2780.0	[m]	DC	MICROS
2800.0	[m]	DC	MICROS
2820.0	[m]	DC	MICROS
2830.0	[m]	DC	MICROS
2840.0	[m]	DC	MICROS
2850.0	[m]	DC	MICROS
2854.0	[m]	DC	MICROS
2860.0	[m]	DC	MICROS
2866.0	[m]	DC	MICROS
2872.0	[m]	DC	MICROS
2878.0	[m]	DC	MICROS
2884.0	[m]	DC	MICROS
2890.0	[m]	DC	MICROS
2896.0	[m]	DC	MICROS
2902.0	[m]	DC	MICROS
2923.0	[m]	DC	MICROS
2929.0	[m]	DC	MICROS
2935.0	[m]	DC	MICROS
2941.0	[m]	DC	MICROS
2947.0	[m]	DC	MICROS
2953.0	[m]	DC	MICROS
2959.0	[m]	DC	MICROS
2965.0	[m]	DC	MICROS
2971.0	[m]	DC	MICROS
2977.0	[m]	DC	MICROS
2983.0	[m]	DC	MICROS
2992.0	[m]	DC	MICROS
3004.0	[m]	DC	MICROS
3016.0	[m]	DC	MICROS
3028.0	[m]	DC	MICROS
3040.0	[m]	DC	MICROS
3052.0	[m]	DC	MICROS
3064.0	[m]	DC	MICROS
3076.0	[m]	DC	MICROS
3082.0	[m]	DC	MICROS
3088.0	[m]	DC	MICROS
3093.0	[m]	DC	MICROS
3100.0	[m]	DC	MICROS
3106.0	[m]	DC	MICROS
3112.0	[m]	DC	MICROS



3118.0 [m]	DC	MICROS
3124.0 [m]	DC	MICROS
3130.0 [m]	DC	MICROS
3136.0 [m]	DC	MICROS
3148.0 [m]	DC	MICROS
3154.0 [m]	DC	MICROS
3160.0 [m]	DC	MICROS
3166.0 [m]	DC	MICROS
3172.0 [m]	DC	MICROS
3178.0 [m]	DC	MICROS
3184.0 [m]	DC	MICROS
3190.0 [m]	DC	MICROS
3196.0 [m]	DC	MICROS
3202.0 [m]	DC	MICROS
3208.0 [m]	DC	MICROS
3214.0 [m]	DC	MICROS
3220.0 [m]	DC	MICROS
3226.0 [m]	DC	MICROS
3232.0 [m]	DC	MICROS
3256.0 [m]	DC	MICROS
3262.0 [m]	DC	MICROS
3280.0 [m]	DC	MICROS
3286.0 [m]	DC	MICROS
3292.0 [m]	DC	MICROS
3298.0 [m]	DC	MICROS
3304.0 [m]	DC	MICROS
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3382.0 [m]	DC	MICROS
3388.0 [m]	DC	MICROS
3394.0 [m]	DC	MICROS



3397.0	[m]	DC	MICROS
3400.0	[m]	DC	MICROS
3403.0	[m]	DC	MICROS
3421.0	[m]	DC	MICROS
3424.0	[m]	DC	MICROS
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3430.0	[m]	DC	MICROS
3433.0	[m]	DC	MICROS
3436.0	[m]	DC	MICROS
3439.0	[m]	DC	MICROS
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3448.0	[m]	DC	MICROS
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3454.0	[m]	DC	MICROS
3460.0	[m]	DC	MICROS
3463.0	[m]	DC	MICROS
3466.0	[m]	DC	MICROS
3469.0	[m]	DC	MICROS
3472.0	[m]	DC	MICROS
3475.0	[m]	DC	MICROS
3478.0	[m]	DC	MICROS
3481.0	[m]	DC	MICROS
3484.0	[m]	DC	MICROS
3487.0	[m]	DC	MICROS
3490.0	[m]	DC	MICROS
3493.0	[m]	DC	MICROS
3496.0	[m]	DC	MICROS
3499.0	[m]	DC	MICROS
3502.0	[m]	DC	MICROS
3505.0	[m]	DC	MICROS
3508.0	[m]	DC	MICROS
3511.0	[m]	DC	MICROS
3514.0	[m]	DC	MICROS
3517.0	[m]	DC	MICROS
3520.0	[m]	DC	MICROS
3523.0	[m]	DC	MICROS
3535.0	[m]	DC	MICROS
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3541.0	[m]	DC	MICROS



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3547.0 [m]	DC	MICROS
3550.0 [m]	DC	MICROS
3553.0 [m]	DC	MICROS
3556.0 [m]	DC	MICROS
3559.0 [m]	DC	MICROS
3562.0 [m]	DC	MICROS
3565.0 [m]	DC	MICROS
3568.0 [m]	DC	MICROS
3571.0 [m]	DC	MICROS
3574.0 [m]	DC	MICROS
3577.0 [m]	DC	MICROS
3580.0 [m]	DC	MICROS
3583.0 [m]	DC	MICROS
3586.0 [m]	DC	MICROS
3589.0 [m]	DC	MICROS
3592.0 [m]	DC	MICROS
3595.0 [m]	DC	MICROS
3598.0 [m]	DC	MICROS
3601.0 [m]	DC	MICROS
3604.0 [m]	DC	MICROS
3607.0 [m]	DC	MICROS
3610.0 [m]	DC	MICROS
3613.0 [m]	DC	MICROS
3619.0 [m]	DC	MICROS
3625.0 [m]	DC	MICROS
3628.0 [m]	DC	MICROS
3631.0 [m]	DC	MICROS
3634.0 [m]	DC	MICROS
3637.0 [m]	DC	MICROS
3640.0 [m]	DC	MICROS
3643.0 [m]	DC	MICROS
3646.0 [m]	DC	MICROS
3649.0 [m]	DC	MICROS
3652.0 [m]	DC	MICROS
3655.0 [m]	DC	MICROS
3658.0 [m]	DC	MICROS
3661.0 [m]	DC	MICROS
3664.0 [m]	DC	MICROS
3667.0 [m]	DC	MICROS



3670.0	[m]	DC	MICROS
3673.0	[m]	DC	MICROS
3676.0	[m]	DC	MICROS
3679.0	[m]	DC	MICROS
3682.0	[m]	DC	MICROS
3685.0	[m]	DC	MICROS
3688.0	[m]	DC	MICROS
3691.0	[m]	DC	MICROS
3694.0	[m]	DC	MICROS
3697.0	[m]	DC	MICROS
3700.0	[m]	DC	MICROS
3703.0	[m]	DC	MICROS
3706.0	[m]	DC	MICROS
3709.0	[m]	DC	MICROS
3712.0	[m]	DC	MICROS
3715.0	[m]	DC	MICROS
3718.0	[m]	DC	MICROS
3721.0	[m]	DC	MICROS
3724.0	[m]	DC	MICROS

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
400	NORDLAND GP
1387	KAI FM
1656	HORDALAND GP
1656	BRYGGE FM
2005	ROGALAND GP
2005	TARE FM
2079	TANG FM
2129	SHETLAND GP
2129	SPRINGAR FM
2295	NISE FM
2600	KVITNOS FM
2909	CROMER KNOLL GP
2909	LYSING FM
2924	LANGE FM
2956	LYR FM
3107	VIKING GP



3107	SPEKK FM
3153	MELKE FM
3480	FANGST GP
3480	NOT FM
3550	ILE FM
3638	BÅT GP
3638	TOFTE FM
3695	TILJE FM

Logs

Log type	Log top depth [m]	Log bottom depth [m]
MDT DSI	3393	3720
MDT DSI (MDT)	3606	3781
MDT PRESSURE	2903	2948
MDT SAMPLE	3511	0
MWD - GR RES DIR	1366	3725
PEX AIT	3201	3721
PEX DSI	2848	3385
VSP	1200	3385

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.	13 3/8	1366.0	17 1/2	1371.0	0.00	LOT
INTERM.	9 5/8	2845.0	12 1/4	2851.0	1.50	LOT
LINER	7	3391.0	8 1/2	3392.0	0.00	LOT
OPEN HOLE		3725.0	6	3725.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
1877	1.43	46.0		CARBO SEA	
2005	1.43	38.0		CARBO SEA	
2915	1.52	34.0		CARBO SEA	
2918	1.52	34.0		CARBO SEA	



3392	1.31	22.0		CARBO SEA	
3420	1.30	20.0		CARBO SEA	

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]
5386 Formation pressure (Formasjonstrykk)	pdf	0.28

