



General information





Wellbore name	6507/3-3 A
Type	EXPLORATION
Purpose	APPRAISAL
Status	P&A
Factmaps in new window	link to map
Main area	NORWEGIAN SEA
Field	SKARV
Discovery	6507/3-3 (Idun)
Well name	6507/3-3
Seismic location	ST9717- INLINE 3260 & CROSSLINE 2590
Production licence	159
Drilling operator	Den norske stats oljeselskap a.s
Drill permit	949-L
Drilling facility	BYFORD DOLPHIN
Drilling days	43
Entered date	25.03.1999
Completed date	06.05.1999
Release date	06.05.2001
Publication date	15.11.2001
Purpose - planned	WILDCAT
Reentry	NO
Content	GAS
Discovery wellbore	NO
1st level with HC, age	MIDDLE JURASSIC
1st level with HC, formation	FANGST GP
Kelly bushing elevation [m]	25.0
Water depth [m]	391.0
Total depth (MD) [m RKB]	4528.0
Final vertical depth (TVD) [m RKB]	3692.5
Bottom hole temperature [°C]	115
Oldest penetrated age	MIDDLE JURASSIC
Oldest penetrated formation	NOT FM
Geodetic datum	ED50
NS degrees	65° 48' 3.73" N
EW degrees	7° 43' 28.69" E
NS UTM [m]	7298509.86
EW UTM [m]	441665.21
UTM zone	32
NPDID wellbore	3718

**Wellbore history****General**

The main objectives for the wells were to test a possible oil leg in the downfaulted eastern segment of the Idun structure, and to establish the hydrocarbon-water contact.

Operations and results

The original well, 6507/3-3, was sidetracked from 1785 mMD RKB and drilled to depth 4528 mMD RKB. The sidetrack was named 6507/3-3A. When drilling the Not Formation in this well, the wellpath re-entered the stratigraphic younger Melke Formation through an unprognosed fault. A new sidetrack was drilled from 6507/3-3 A with kick off point at 3754 mMD RT, by milling through the 9 5/8" casing. The new sidetrack, 6507/3-3B, was drilled to a total depth 4275 mMD RKB into the Tilje Formation. Gas was proven in the Jurassic sandstones. No cores were cut in the side track wells. An MDT sample containing gas was collected in the Garn Formation in well 6507/3-3A and another MDT sample containing water and gas was collected from the Ile Formation in well 6507/3-3B. The wells were plugged and abandoned on 6th of may 1999 (A-track) and 16th of june 1999 (B-track).

Testing

No DST was performed

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
1820.00	4520.00

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

Sample depth	Depth unit	Sample type	Laboratory
3080.0	[m]	DC	GEOSTR
3095.0	[m]	DC	GEOSTR
3110.0	[m]	DC	GEOSTR
3125.0	[m]	DC	GEOSTR
3140.0	[m]	DC	GEOSTR
3155.0	[m]	DC	GEOSTR
3170.0	[m]	DC	GEOSTR
3185.0	[m]	DC	GEOSTR
3200.0	[m]	DC	GEOSTR
3215.0	[m]	DC	GEOSTR
3230.0	[m]	DC	GEOSTR



3245.0	[m]	DC	GEOSTR
3260.0	[m]	DC	GEOSTR
3275.0	[m]	DC	GEOSTR
3290.0	[m]	DC	GEOSTR
3305.0	[m]	DC	GEOSTR
3320.0	[m]	DC	GEOSTR
3335.0	[m]	DC	GEOSTR
3350.0	[m]	DC	GEOSTR
3365.0	[m]	DC	GEOSTR
3380.0	[m]	DC	GEOSTR
3395.0	[m]	DC	GEOSTR
3410.0	[m]	DC	GEOSTR
3425.0	[m]	DC	GEOSTR
3440.0	[m]	DC	GEOSTR
3455.0	[m]	DC	GEOSTR
3470.0	[m]	DC	GEOSTR
3485.0	[m]	DC	GEOSTR
3500.0	[m]	DC	GEOSTR
3515.0	[m]	DC	GEOSTR
3530.0	[m]	DC	GEOSTR
3545.0	[m]	DC	GEOSTR
3560.0	[m]	DC	GEOSTR
3575.0	[m]	DC	GEOSTR
3590.0	[m]	DC	GEOSTR
3605.0	[m]	DC	GEOSTR
3620.0	[m]	DC	GEOSTR
3635.0	[m]	DC	GEOSTR
3650.0	[m]	DC	GEOSTR
3665.0	[m]	DC	GEOSTR
3680.0	[m]	DC	GEOSTR
3695.0	[m]	DC	GEOSTR
3710.0	[m]	DC	GEOSTR
3715.0	[m]	DC	GEOSTR
3720.0	[m]	DC	GEOSTR
3725.0	[m]	DC	GEOSTR
3730.0	[m]	DC	GEOSTR
3735.0	[m]	DC	GEOSTR
3740.0	[m]	DC	GEOSTR
3745.0	[m]	DC	GEOSTR
3750.0	[m]	DC	GEOSTR



3755.0 [m]	DC	GEOSTR
3760.0 [m]	DC	GEOSTR
3765.0 [m]	DC	GEOSTR
3770.0 [m]	DC	GEOSTR
3775.0 [m]	DC	GEOSTR
3780.0 [m]	DC	GEOSTR
3785.0 [m]	DC	GEOSTR
3790.0 [m]	DC	GEOSTR
3795.0 [m]	DC	GEOSTR
3800.0 [m]	DC	GEOSTR
3805.0 [m]	DC	GEOSTR
3840.0 [m]	DC	GEOSTR
3850.0 [m]	DC	GEOSTR
3860.0 [m]	DC	GEOSTR
3870.0 [m]	DC	GEOSTR
3880.0 [m]	DC	GEOSTR
3890.0 [m]	DC	GEOSTR
3900.0 [m]	DC	GEOSTR
3910.0 [m]	DC	GEOSTR
3920.0 [m]	DC	GEOSTR
3930.0 [m]	DC	GEOSTR
3940.0 [m]	DC	GEOSTR
3950.0 [m]	DC	GEOSTR
3960.0 [m]	DC	GEOSTR
3970.0 [m]	DC	GEOSTR
3980.0 [m]	DC	GEOSTR
3990.0 [m]	DC	GEOSTR
4000.0 [m]	DC	GEOSTR
4010.0 [m]	DC	GEOSTR
4020.0 [m]	DC	GEOSTR
4030.0 [m]	DC	GEOSTR
4040.0 [m]	DC	GEOSTR
4050.0 [m]	DC	GEOSTR
4060.0 [m]	DC	GEOSTR
4070.0 [m]	DC	GEOSTR
4080.0 [m]	DC	GEOSTR
4090.0 [m]	DC	GEOSTR
4100.0 [m]	DC	GEOSTR
4110.0 [m]	DC	GEOSTR
4120.0 [m]	DC	GEOSTR



4130.0 [m]	DC	GEOSTR
4140.0 [m]	DC	GEOSTR
4150.0 [m]	DC	GEOSTR
4160.0 [m]	DC	GEOSTR
4170.0 [m]	DC	GEOSTR
4180.0 [m]	DC	GEOSTR
4190.0 [m]	DC	GEOSTR
4200.0 [m]	DC	GEOSTR
4210.0 [m]	DC	GEOSTR
4220.0 [m]	DC	GEOSTR
4230.0 [m]	DC	GEOSTR
4240.0 [m]	DC	GEOSTR
4250.0 [m]	DC	GEOSTR
4260.0 [m]	DC	GEOSTR
4270.0 [m]	DC	GEOSTR
4280.0 [m]	DC	GEOSTR
4290.0 [m]	DC	GEOSTR
4300.0 [m]	DC	GEOSTR
4310.0 [m]	DC	GEOSTR
4320.0 [m]	DC	GEOSTR
4330.0 [m]	DC	GEOSTR
4340.0 [m]	DC	GEOSTR
4350.0 [m]	DC	GEOSTR
4360.0 [m]	DC	GEOSTR
4370.0 [m]	DC	GEOSTR
4380.0 [m]	DC	GEOSTR
4390.0 [m]	DC	GEOSTR
4400.0 [m]	DC	GEOSTR
4410.0 [m]	DC	GEOSTR
4420.0 [m]	DC	GEOSTR
4430.0 [m]	DC	GEOSTR
4440.0 [m]	DC	GEOSTR
4450.0 [m]	DC	GEOSTR
4460.0 [m]	DC	GEOSTR
4470.0 [m]	DC	GEOSTR
4480.0 [m]	DC	GEOSTR
4490.0 [m]	DC	GEOSTR
4500.0 [m]	DC	GEOSTR
4510.0 [m]	DC	GEOSTR
4520.0 [m]	DC	GEOSTR

**Lithostratigraphy**

Top depth [mMD RKB]	Lithostrat. unit
416	NORDLAND GP
416	NAUST FM
1372	KAI FM
1710	HORDALAND GP
1710	BRYGGE FM
1933	ROGALAND GP
1933	TARE FM
2012	TANG FM
2049	SHETLAND GP
2049	SPRINGAR FM
2656	CROMER KNOLL GP
2656	LANGE FM
3098	VIKING GP
3098	SPEKK FM
3158	MELKE FM
3789	FANGST GP
3789	GARN FM
3911	NOT FM
4147	VIKING GP
4147	MELKE FM

Composite logs

Document name	Document format	Document size [MB]
3718	pdf	0.25

Geochemical information

Document name	Document format	Document size [MB]
3718_1	pdf	1.72
3718_2	pdf	1.89
3718_3	pdf	1.43





3718 4	pdf	1.37
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Documents - reported by the production licence (period for duty of secrecy expired)

Document name	Document format	Document size [MB]
3718 6507 3 3 A COMPLETION LOG	.pdf	1.78
3718 6507 3 3 A COMPLETION REPORT	.pdf	25.84

Logs

Log type	Log top depth [m]	Log bottom depth [m]
DIR	3752	3761
DSI GR	3050	3892
MDT GR	3802	3875
RNT TC	3805	4528

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	3752.0	12 1/4	3757.0	1.58	LOT
OPEN HOLE		4528.0	8 1/2	4528.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
453	1.03			seawater/pa	
481	1.03			seawater/pa	
673	1.03			seawater/pa	
861	1.20	19.0	13.5	seawater/pa	
1270	1.21	20.0	19.0	oil based	
1719	1.58	44.0	23.5	oil based	
1733	1.58	44.0	23.5	oil based	
1785	1.50			oil based m	
3805	1.50			oil based m	
4528	1.20			oil based m	



**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]
3718 Formation pressure (Formasjonstrykk)	pdf	0.28

