

**General information**

Wellbore name	6507/3-3 B
Type	EXPLORATION
Purpose	APPRAISAL
Status	P&A
Factmaps in new window	<a href="#">link to map</a>
Main area	NORWEGIAN SEA
Field	<a href="#">SKARV</a>
Discovery	<a href="#">6507/3-3 (Idun)</a>
Well name	6507/3-3
Seismic location	ST9717- INLINE 3260 & CROSSLINE 2590
Production licence	<a href="#">159</a>
Drilling operator	Den norske stats oljeselskap a.s
Drill permit	953-L
Drilling facility	<a href="#">BYFORD DOLPHIN</a>
Drilling days	41
Entered date	07.05.1999
Completed date	16.06.1999
Release date	16.06.2001
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
2nd level with HC, age	EARLY JURASSIC
2nd level with HC, formation	TILJE FM
Kelly bushing elevation [m]	25.0
Water depth [m]	391.0
Total depth (MD) [m RKB]	4275.0
Final vertical depth (TVD) [m RKB]	3840.9
Bottom hole temperature [°C]	139
Oldest penetrated age	EARLY JURASSIC
Oldest penetrated formation	TILJE 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	3773

## 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]
3770.00	4275.00

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

Sample depth	Depth unit	Sample type	Laboratory
3980.0	[m]	DC	GEOSTR
3990.0	[m]	DC	GEOSTR
3995.0	[m]	DC	GEOSTR
4000.0	[m]	DC	GEOSTR
4005.0	[m]	DC	GEOSTR
4010.0	[m]	DC	GEOSTR
4015.0	[m]	DC	GEOSTR
4020.0	[m]	DC	GEOSTR

4025.0	[m]	DC	GEOSTR
4030.0	[m]	DC	GEOSTR
4035.0	[m]	DC	GEOSTR
4040.0	[m]	DC	GEOSTR
4045.0	[m]	DC	GEOSTR
4050.0	[m]	DC	GEOSTR
4055.0	[m]	DC	GEOSTR
4060.0	[m]	DC	GEOSTR
4065.0	[m]	DC	GEOSTR
4070.0	[m]	DC	GEOSTR
4075.0	[m]	DC	GEOSTR
4080.0	[m]	DC	GEOSTR
4085.0	[m]	DC	GEOSTR
4090.0	[m]	DC	GEOSTR
4100.0	[m]	DC	GEOSTR
4105.0	[m]	DC	GEOSTR
4110.0	[m]	DC	GEOSTR
4115.0	[m]	DC	GEOSTR
4120.0	[m]	DC	GEOSTR
4125.0	[m]	DC	GEOSTR
4130.0	[m]	DC	GEOSTR
4135.0	[m]	DC	GEOSTR
4140.0	[m]	DC	GEOSTR
4150.0	[m]	DC	GEOSTR
4155.0	[m]	DC	GEOSTR
4160.0	[m]	DC	GEOSTR
4170.0	[m]	DC	GEOSTR
4180.0	[m]	DC	GEOSTR
4185.0	[m]	DC	GEOSTR
4190.0	[m]	DC	GEOSTR
4200.0	[m]	DC	GEOSTR
4210.0	[m]	DC	GEOSTR
4215.0	[m]	DC	GEOSTR
4220.0	[m]	DC	GEOSTR
4230.0	[m]	DC	GEOSTR
4240.0	[m]	DC	GEOSTR
4245.0	[m]	DC	GEOSTR
4250.0	[m]	DC	GEOSTR
4260.0	[m]	DC	GEOSTR
4270.0	[m]	DC	GEOSTR

4275.0 [m]	DC	GEOSTR
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### Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
416	<a href="#">NORDLAND GP</a>
416	<a href="#">NAUST FM</a>
1372	<a href="#">KAI FM</a>
1710	<a href="#">HORDALAND GP</a>
1710	<a href="#">BRYGGE FM</a>
1933	<a href="#">ROGALAND GP</a>
1933	<a href="#">TARE FM</a>
2012	<a href="#">TANG FM</a>
2049	<a href="#">SHETLAND GP</a>
2049	<a href="#">SPRINGAR FM</a>
2656	<a href="#">CROMER KNOT GP</a>
2656	<a href="#">LANGE FM</a>
3098	<a href="#">VIKING GP</a>
3098	<a href="#">SPEKK FM</a>
3158	<a href="#">MELKE FM</a>
3792	<a href="#">FANGST GP</a>
3792	<a href="#">GARN FM</a>
3921	<a href="#">NOT FM</a>
4020	<a href="#">ILE FM</a>
4110	<a href="#">BÅT GP</a>
4110	<a href="#">ROR FM</a>
4216	<a href="#">TILJE FM</a>

### Composite logs

Document name	Document format	Document size [MB]
<a href="#">3773</a>	pdf	0.08

### Geochemical information



Document name	Document format	Document size [MB]
<a href="#">3773_1</a>	pdf	1.72
<a href="#">3773_2</a>	pdf	1.89
<a href="#">3773_3</a>	pdf	1.43
<a href="#">3773_4</a>	pdf	1.37

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

Document name	Document format	Document size [MB]
<a href="#">3773_6507_3_3_B_COMPLETION_LOG</a>	.pdf	0.86
<a href="#">3773_6507_3_3_B_COMPLETION_REPORT</a>	.PDF	25.84

**Logs**

Log type	Log top depth [m]	Log bottom depth [m]
GR MPR	3899	4121
LDT CNL GR MDT	3894	4252
RNT TC	3752	3899
RNT TC	3790	4275

**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	476.0	36	480.0	0.00	LOT
SURF.COND.	20	667.0	26	701.0	1.28	LOT
INTERM.	13 3/8	1752.0	17 1/2	1758.0	1.65	LOT
INTERM.	9 5/8	3752.0	12 1/4	3757.0	0.00	LOT
OPEN HOLE		4275.0	8 1/2	4275.0	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	
481	1.03			seawater	
673	1.03			seawater	



861	1.20	19.0	13.5	seawater	
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	
1761	1.51	41.0	24.0	oil based	
1805	1.58	45.0	19.5	oil based	
1887	1.51	43.0	18.5	oil based	
1935	1.51	33.0	18.0	oil based	
1951	1.58	44.0	23.5	oil based	
2511	1.51	23.0	16.0	oil based	
2721	1.51	33.0	18.0	oil based	
2748	1.51	32.0	19.5	oil based	
2820	1.58	33.0	16.5	oil based	
3088	1.58	31.0	18.5	oil based	
3200	1.58	35.0	18.0	oil based	
3754	1.20			oil based m	
4225	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]
<a href="#">3773 Formation pressure (Formasjonstrykk)</a>	pdf	0.21

