

**General information**

Wellbore name	7228/7-1 B
Type	EXPLORATION
Purpose	APPRAISAL
Status	P&A
Factmaps in new window	link to map
Main area	BARENTS SEA
Discovery	7228/7-1 (Pandora)
Well name	7228/7-1
Seismic location	3D ST 9403- INLINE 1378 & CROSSLINE 1557
Production licence	202
Drilling operator	Den norske stats oljeselskap a.s
Drill permit	997-L
Drilling facility	TRANSOCEAN ARCTIC
Drilling days	9
Entered date	02.02.2001
Completed date	10.02.2001
Plugged and abandon date	10.02.2001
Release date	10.02.2003
Publication date	11.02.2003
Purpose - planned	APPRAISAL
Reentry	NO
Content	OIL/GAS
Discovery wellbore	NO
1st level with HC, age	LATE TRIASSIC
1st level with HC, formation	SNADD FM
Kelly bushing elevation [m]	24.0
Water depth [m]	288.0
Total depth (MD) [m RKB]	2227.0
Final vertical depth (TVD) [m RKB]	2122.0
Maximum inclination [°]	60.2
Bottom hole temperature [°C]	69
Oldest penetrated age	LATE TRIASSIC
Oldest penetrated formation	SNADD FM
Geodetic datum	ED50
NS degrees	72° 15' 28.9" N
EW degrees	28° 8' 59.7" E
NS UTM [m]	8018306.53



EW UTM [m]	539111.27
UTM zone	35
NPDID wellbore	4261

Wellbore history

General

Wellbore 7228/7-1 B is situated in the Nordkapp basin. The Nordkapp basin is the most pronounced structural element east of Loppa High, with a basinal-axis oriented NE-SW. From top Cretaceous and down to TD of the well the sediments are steeply dipping due to salt diapirism, with the salt diapir located SE of the surface location. The main objectives of well 7228/7-1 B was to establish the oil-water contact for the oil column discovered in 7228/7-1 A.

Operations and results

Appraisal sidetrack well 7228/7-1 B was kicked off from well 7228/7-1 A with the semi-submersible installation "Transocean Arctic" on 2 February 2001 at 1699 m in the Snadd Formation. The well path follows the Lower Carnian sandstone down flank. Final TD was in the Snadd Formation in the Lower Carnian sandstone at 2227 m. The well was drilled with "Glydril" mud (KCl / Polymer / glycol) from kick-off to TD. The well had to be planned with a high angle and was still building angle when drilling through the lower Carnian sandstone. Due to the high angle it was not possible to reach TD with the wire line tool (PEX-MDT), but two MDT pressure measurements of good quality were obtained in the upper part of the lower Carnian sandstone. A gradient line between these two points shows a water gradient. The MDT measurements from 7228/7-1 B does not exactly fit the gradient line from well 7228/7-1 A. This difference is believed to be due the uncertainties in the depth measurements in well 7228/7-1 B. The oil water contact in 7228/7-1B was concluded to be approximately at the same depth as the down-to situation indicated in well 7228/7-1 A, at 2100 m (2078 m TVD RKB, 2054 m TVD MSL). No cores were cut and no fluid samples were taken in this sidetrack.

Well 7228/7-1 B was permanently abandoned as an oil and gas appraisal on 10 February 2001.

Testing

No drill stem test was performed.

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
1710.00	2227.00

Cuttings available for sampling?	YES
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Lithostratigraphy



Top depth [mMD RKB]	Lithostrat. unit
311	NORDLAND GP
334	ADVENTDALEN GP
334	KOLMULE FM
1300	KNURR FM
1314	HEKKINGEN FM
1347	FUGLEN FM
1361	KAPP TOSCANA GP
1361	STØ FM
1379	NORDMELA FM
1399	TUBÅEN FM
1494	FRUHOLMEN FM
1642	SNADD FM

Composite logs

Document name	Document format	Document size [MB]
4261	pdf	0.08

Geochemical information

Document name	Document format	Document size [MB]
4261_1	pdf	1.83
4261_2	pdf	1.82
4261_4	pdf	6.02
4261_5	pdf	0.13

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

Document name	Document format	Document size [MB]
4261_7228_7_1_B_COMPLETION_LOG	.pdf	0.65
4261_7228_7_1_B_COMPLETION_REPORT	.pdf	6.95

Logs





Log type	Log top depth [m]	Log bottom depth [m]
CST GR	1353	2166
MWD MPR	1323	2227
PEX MDT GR	2118	2176

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
OPEN HOLE		2227.0	8 1/2	2227.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
555	1.33	21.0		GLYDRILL	
1986	1.31	23.0		GLYDRILL	
2181	1.31	20.0		GLYDRILL	
2227	1.31	21.0		GLYDRILL	

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]
4261_Formation_pressure_(Formasjonstrykk)	pdf	0.21

