



General information

Wellbore name	7120/8-3
Type	EXPLORATION
Purpose	APPRAISAL
Status	P&A
Factmaps in new window	link to map
Main area	BARENTS SEA
Field	SNØHVIT
Discovery	7120/8-1 (Askeladd)
Well name	7120/8-3
Seismic location	513 - 138 SP 590
Production licence	064
Drilling operator	Den norske stats oljeselskap a.s
Drill permit	368-L
Drilling facility	WEST VANGUARD
Drilling days	48
Entered date	07.04.1983
Completed date	24.05.1983
Release date	24.05.1985
Publication date	29.06.2004
Purpose - planned	APPRAISAL
Reentry	NO
Content	SHOWS
Discovery wellbore	NO
Kelly bushing elevation [m]	22.0
Water depth [m]	280.5
Total depth (MD) [m RKB]	2335.0
Final vertical depth (TVD) [m RKB]	2325.0
Maximum inclination [°]	1.9
Bottom hole temperature [°C]	58
Oldest penetrated age	EARLY JURASSIC
Oldest penetrated formation	NORDMELA FM
Geodetic datum	ED50
NS degrees	71° 27' 48.77" N
EW degrees	20° 36' 9.47" E
NS UTM [m]	7929358.33
EW UTM [m]	485899.85
UTM zone	34
NPDID wellbore	9

**Wellbore history****General**

The purpose of appraisal well 7120/8-3 was to test the extension of the Askeladden North structure in the northeast direction. The primary target was sandstones of Early to Middle Jurassic age.

Operations and results

The well was spudded with the semi-submersible rig West Vanguard on 7 April 1983 and drilled to TD at 2335 in Early Jurassic rocks of the Nordmela Formation. Two cores were cut in the Middle to Lower Jurassic sequence. No major problems occurred during drilling. The well was drilled water based with spud mud down to 671 m and with gypsum/polymer mud from 671 m to TD.

Shows were recorded on cores and cuttings over the interval 2192 m to 2286 m. The Jurassic reservoir interval was found to be below the gas/water contact known from well 7120/8-1, and thus water bearing. Two cores were cut in the interval 2198 m to 2234.8 m. No fluid samples were taken.

The well was permanently abandoned on 24 May 1983 as a dry well.

Testing

No drill stem test was performed

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
370.00	2331.00

Cuttings available for sampling?	YES
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Cores at the Norwegian Offshore Directorate

Core sample number	Core sample - top depth	Core sample - bottom depth	Core sample depth - uom
1	2198.0	2216.0	[m]
2	2216.0	2234.0	[m]

Total core sample length [m]	36.0
Cores available for sampling?	YES



Core photos



2198-2202m



2203-2207m



2208-2212m



2213-2215m



2216-2220m



2221-2225m



2226-2230m



2231-2233m

Palynological slides at the Norwegian Offshore Directorate

Sample depth	Depth unit	Sample type	Laboratory
380.0	[m]	DC	PAS
400.0	[m]	DC	PAS
420.0	[m]	DC	PAS
440.0	[m]	DC	PAS
460.0	[m]	DC	PAS
480.0	[m]	DC	PAS
500.0	[m]	DC	PAS
520.0	[m]	DC	PAS
540.0	[m]	DC	PAS
560.0	[m]	DC	PAS
580.0	[m]	DC	PAS
600.0	[m]	DC	PAS
620.0	[m]	DC	PAS
640.0	[m]	DC	PAS
660.0	[m]	DC	PAS
680.0	[m]	DC	PAS
700.0	[m]	DC	PAS
720.0	[m]	DC	PAS
740.0	[m]	DC	PAS
760.0	[m]	DC	PAS
780.0	[m]	DC	PAS
800.0	[m]	DC	PAS



820.0 [m]	DC	PAS
840.0 [m]	DC	PAS
860.0 [m]	DC	PAS
880.0 [m]	DC	PAS
900.0 [m]	DC	PAS
920.0 [m]	DC	PAS
940.0 [m]	DC	PAS
960.0 [m]	DC	PAS
980.0 [m]	DC	PAS
1000.0 [m]	DC	PAS
1020.0 [m]	DC	PAS
1020.0 [m]	DC	
1040.0 [m]	DC	PAS
1060.0 [m]	DC	
1080.0 [m]	DC	PAS
1090.0 [m]	DC	
1140.0 [m]	DC	
1140.0 [m]	DC	PAS
1160.0 [m]	DC	PAS
1180.0 [m]	DC	PAS
1190.0 [m]	DC	PAS
1212.0 [m]	DC	PAS
1227.0 [m]	DC	PAS
1239.0 [m]	DC	
1242.0 [m]	DC	PAS
1257.0 [m]	DC	PAS
1272.0 [m]	DC	PAS
1287.0 [m]	DC	PAS
1302.0 [m]	DC	PAS
1317.0 [m]	DC	PAS
1332.0 [m]	DC	PAS
1341.0 [m]	DC	
1347.0 [m]	DC	PAS
1362.0 [m]	DC	PAS
1392.0 [m]	DC	PAS
1407.0 [m]	DC	PAS
1422.0 [m]	DC	PAS
1440.0 [m]	DC	PAS
1440.0 [m]	DC	
1452.0 [m]	DC	PAS



1467.0 [m]	DC	PAS
1482.0 [m]	DC	PAS
1497.0 [m]	DC	PAS
1512.0 [m]	DC	PAS
1527.0 [m]	DC	PAS
1539.0 [m]	DC	
1542.0 [m]	DC	PAS
1557.0 [m]	DC	PAS
1585.0 [m]	SWC	PAS
1602.0 [m]	DC	PAS
1632.0 [m]	DC	PAS
1641.0 [m]	DC	
1647.0 [m]	DC	PAS
1662.0 [m]	DC	PAS
1677.0 [m]	DC	PAS
1692.0 [m]	DC	PAS
1707.0 [m]	DC	PAS
1722.0 [m]	SWC	PAS
1737.0 [m]	DC	PAS
1740.0 [m]	DC	
1755.0 [m]	SWC	PAS
1767.0 [m]	DC	PAS
1782.0 [m]	DC	PAS
1797.0 [m]	DC	PAS
1812.0 [m]	DC	PAS
1827.0 [m]	DC	PAS
1839.0 [m]	DC	
1842.0 [m]	DC	PAS
1857.0 [m]	DC	PAS
1873.0 [m]	SWC	PAS
1887.0 [m]	DC	PAS
1902.0 [m]	DC	PAS
1917.0 [m]	DC	PAS
1932.0 [m]	DC	PAS
1941.0 [m]	DC	
1947.0 [m]	DC	PAS
1962.0 [m]	DC	PAS
1977.0 [m]	DC	PAS
1992.0 [m]	DC	PAS
2007.0 [m]	DC	PAS



2037.0	[m]	DC	PAS
2040.0	[m]	DC	
2052.0	[m]	DC	PAS
2075.0	[m]	SWC	PAS
2079.0	[m]	DC	
2082.0	[m]	DC	PAS
2096.0	[m]	DC	PAS
2115.0	[m]	SWC	PAS
2127.0	[m]	DC	PAS
2142.0	[m]	DC	PAS
2157.0	[m]	DC	PAS
2178.0	[m]	SWC	PAS
2187.0	[m]	DC	PAS
2198.7	[m]	C	PAS
2200.7	[m]	C	PAS
2207.4	[m]	C	PAS
2220.1	[m]	C	PAS
2229.8	[m]	C	PAS
2235.0	[m]	DC	PAS
2247.0	[m]	DC	PAS
2262.0	[m]	DC	PAS
2277.0	[m]	DC	PAS
2292.0	[m]	DC	PAS
2307.0	[m]	DC	PAS
2331.0	[m]	DC	PAS

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
303	NORDLAND GP
605	SOTBAKKEN GP
605	TORSK FM
1067	NYGRUNNEN GP
1067	KVITING FM
1200	ADVENTDALEN GP
1200	KOLMULE FM
1962	KOLJE FM
2055	KNURR FM
2104	HEKKINGEN FM



2187	FUGLEN FM
2192	KAPP TOSCANA GP
2192	STØ FM
2277	NORDMELA FM

Composite logs

Document name	Document format	Document size [MB]
9	pdf	0.36

Documents - older Norwegian Offshore Directorate WDSS reports and other related documents

Document name	Document format	Document size [MB]
9 01 WDSS General Information	pdf	0.16
9 02 WDSS completion log	pdf	0.24

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

Document name	Document format	Document size [MB]
9 1 Source rock analysis of well 7120 8 3	pdf	6.54
9 2 Analysis of core samples from 7120 8 3 Correlation with 7120 8 2	pdf	0.93

Logs

Log type	Log top depth [m]	Log bottom depth [m]
CBL VDL	305	1497
CST	1548	2286
CST	2208	2330
HDT	671	1071
HDT	1498	2334
ISF SON GR SP CAL	365	1511
ISF SON MSFL GR SP CAL	1498	2333
LDT CNL GR	1498	2334
LDT GR CAL	365	1513





RFT	2193	2304
VSP	338	2330

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	366.0	36	366.0	0.00	LOT
SURF.COND.	20	671.0	26	686.0	1.67	LOT
INTERM.	13 3/8	1500.0	17 1/2	1515.0	1.65	LOT
OPEN HOLE		2335.0	12 1/2	2335.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
368	0.00			spud mud	
686	1.06	60.0	44.0	water mud	
1013	1.16	44.0	21.0	water mud	
1515	1.31	55.0	18.0	water mud	
1870	1.34	48.0	16.0	water mud	
2216	1.38	53.0	15.0	water mud	
2313	1.38	55.0	16.0	water mud	

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]
9 Formation pressure (Formasjonstrykk)	pdf	0.26

