

**General information**

Wellbore name	6608/8-1
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Factmaps in new window	link to map
Main area	NORWEGIAN SEA
Well name	6608/8-1
Seismic location	3D ST 9405 INLINE 1283& CROSSLINE 1000
Production licence	200
Drilling operator	Den norske stats oljeselskap a.s
Drill permit	873-L
Drilling facility	TRANSOCEAN 8
Drilling days	58
Entered date	01.02.1997
Completed date	30.03.1997
Release date	30.03.1999
Publication date	15.11.2001
Purpose - planned	WILDCAT
Reentry	NO
Content	OIL SHOWS
Discovery wellbore	NO
Kelly bushing elevation [m]	23.0
Water depth [m]	334.0
Total depth (MD) [m RKB]	3013.0
Final vertical depth (TVD) [m RKB]	3005.0
Bottom hole temperature [°C]	108
Oldest penetrated age	LATE PERMIAN
Oldest penetrated formation	ZECHSTEIN GP
Geodetic datum	ED50
NS degrees	66° 18' 32.69" N
EW degrees	8° 30' 58.84" E
NS UTM [m]	7354632.57
EW UTM [m]	478313.59
UTM zone	32
NPDID wellbore	2974

**Wellbore history****General**

The main objective for the well was to test the hydrocarbon potential in the Permian carbonates, which was an unproven play type in this area. Secondary objectives were to test possible Pliocene Kai Formation sandstone near the prognosed pinch-out, possible Paleocene sandstone, Triassic sandstones, and Permian sandstone/weathered basement.

Operations and results

The well was drilled vertically using a water based mud to 3013 m RKB where massive losses occurred. It was not possible to stabilize the well, and it was plugged back permanently. The well was classified as a dry well. Traces of oil shows were however reported during drilling in the uppermost part of the Triassic succession. High gas readings that probably originated from TD were recorded during circulation to stabilize the well. Two cores were cut from 1833 to 1843 m RKB in Triassic and another two from 2766 to 2795 m in Permian. An FMT fluid sample from 1832 m RKB contained mainly mud filtrate and only trace hydrocarbon gases.

Testing

No drill stem test was performed

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
670.00	2999.00

Cuttings available for sampling?	YES
----------------------------------	-----

Cores at the Norwegian Offshore Directorate

Core sample number	Core sample - top depth	Core sample - bottom depth	Core sample depth - uom
1	1833.0	1833.4	[m]
2	1834.0	1842.8	[m]
3	2766.0	2767.8	[m]
4	2768.0	2774.8	[m]

Total core sample length [m]	17.8
Cores available for sampling?	YES

Core photos



1833-1834m



1834-1839m



1839-1842m



2766-2767m



2768-2773m



2773-2774m

Palynological slides at the Norwegian Offshore Directorate

Sample depth	Depth unit	Sample type	Laboratory
670.0	[m]	DC	RRI
700.0	[m]	DC	RRI
760.0	[m]	DC	RRI
800.0	[m]	DC	RRI
820.0	[m]	DC	RRI
850.0	[m]	DC	RRI
860.0	[m]	DC	RRI
890.0	[m]	DC	RRI
920.0	[m]	DC	RRI
950.0	[m]	DC	RRI
990.0	[m]	DC	RRI
1020.0	[m]	DC	RRI
1030.0	[m]	DC	RRI
1060.0	[m]	DC	RRI
1100.0	[m]	DC	RRI
1130.0	[m]	DC	RRI
1150.0	[m]	DC	RRI
1170.0	[m]	DC	RRI
1180.0	[m]	DC	RRI
1200.0	[m]	DC	RRI
1230.0	[m]	DC	RRI
1260.0	[m]	DC	RRI
1290.0	[m]	DC	RRI



1410.0 [m]	DC	RRI
1450.0 [m]	DC	RRI
1490.0 [m]	DC	RRI
1550.0 [m]	DC	RRI
1560.0 [m]	DC	RRI
1580.0 [m]	DC	RRI
1691.0 [m]	DC	RRI
1711.0 [m]	DC	RRI
1776.0 [m]	DC	RRI
1786.0 [m]	DC	RRI
1834.6 [m]	C	WESTL
1837.0 [m]	C	WESTL
1840.0 [m]	C	WESTL
1842.6 [m]	C	WESTL
1885.0 [m]	DC	RRI
1895.0 [m]	DC	RRI
1955.0 [m]	DC	RRI
2465.0 [m]	DC	RRI
2474.0 [m]	DC	RRI
2483.0 [m]	DC	RRI
2492.0 [m]	DC	RRI
2501.0 [m]	DC	RRI
2510.0 [m]	DC	RRI
2519.0 [m]	DC	RRI
2528.0 [m]	DC	RRI
2549.0 [m]	DC	RRI
2558.0 [m]	DC	RRI
2567.0 [m]	DC	RRI
2576.0 [m]	DC	RRI
2585.0 [m]	DC	RRI
2766.2 [m]	C	WESTL
2768.6 [m]	C	WESTL
2770.8 [m]	C	WESTL
2772.7 [m]	C	WESTL
2774.5 [m]	C	WESTL

Lithostratigraphy



Top depth [mMD RKB]	Lithostrat. unit
357	NORDLAND GP
357	NAUST FM
1326	KAI FM
1428	HORDALAND GP
1428	BRYGGE FM
1513	ROGALAND GP
1513	TARE FM
1607	TANG FM
1623	SHETLAND GP
1623	SPRINGAR FM
1753	RED BEDS (INFORMAL)
2755	ZECHSTEIN GP

Composite logs

Document name	Document format	Document size [MB]
2974	pdf	0.27

Geochemical information

Document name	Document format	Document size [MB]
2974_1	pdf	1.66

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

Document name	Document format	Document size [MB]
2974_6608_8_1_COMPLETION_LOG	pdf	8.67
2974_6608_8_1_COMPLETION_REPORT	pdf	58.16

Logs

Log type	Log top depth [m]	Log bottom depth [m]
DLL MLL MAC DSL CHT	357	1550





DLL MLL MAC DSL CHT	1475	2560
DPR	358	3013
FMT GR	1600	2395
SWC	652	1550
SWC GR	1567	2560
VSP GR	1000	2380
ZDL CND DSL CHT	652	1550
ZDL CND DSL CHT	1544	2560

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	418.0	36	418.0	0.00	LOT
SURF.COND.	20	652.0	26	659.0	1.39	LOT
INTERM.	13 3/8	1544.0	17 1/2	1624.0	1.72	LOT
LINER	9 5/8	2585.0	12 1/4	2587.0	1.71	LOT
OPEN HOLE		3013.0	8 1/2	3013.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
957	1.20			WATER BASED	
1222	1.03			WATER BASED	
2337	1.30	23.0		WATER BASED	
2667	1.34	24.0		WATER BASED	
2785	1.34	22.0		WATER BASED	
2900	1.34	21.0		WATER BASED	

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]
2974 Formation pressure (Formasjonstrykk)	pdf	0.28

