

**General information**

Wellbore name	34/10-10
Type	EXPLORATION
Purpose	WILDCAT
Status	BLOWOUT
Factmaps in new window	link to map
Main area	NORTH SEA
Well name	34/10-10
Seismic location	3D-224 SP 265
Production licence	050
Drilling operator	Den norske stats oljeselskap a.s
Drill permit	257-L
Drilling facility	NORSKALD
Drilling days	7
Entered date	15.08.1980
Completed date	21.08.1980
Release date	21.08.1982
Publication date	26.10.2009
Purpose - planned	WILDCAT
Reentry	NO
Content	GAS SHOWS
Discovery wellbore	NO
Kelly bushing elevation [m]	25.0
Water depth [m]	154.0
Total depth (MD) [m RKB]	816.0
Final vertical depth (TVD) [m RKB]	816.0
Bottom hole temperature [°C]	49
Oldest penetrated age	MIOCENE
Oldest penetrated formation	NORDLAND GP
Geodetic datum	ED50
NS degrees	61° 10' 27.95" N
EW degrees	2° 14' 43.12" E
NS UTM [m]	6782611.87
EW UTM [m]	459404.63
UTM zone	31
NPDID wellbore	430



Wellbore history

General

Well 34/10-10 was drilled on the Delta structure situated in the Gullfaks Vest area in the north-eastern part of block 34/10. The primary objective was to test sandstones of Middle Jurassic age. Secondary objectives were sandstones of Early Jurassic and Late Triassic age. The well was planned to be drilled into Triassic to a total depth of 2265 m.

Operations and results

On 10 July 1980 at 2330 hrs the semi-submersible installation Norskald was transferred from well 15/9-6 to well 34/10-10. After the rig had been anchored up on the 34/10-10 location a strike broke out among the drilling crew. Due to the strike the operation was one month delayed and the well was not spudded until 15 August at 1930 hrs. The 36" hole was drilled to 229 m with a 26" bit and a 36" hole opener without temporary guide-base. Seawater was used with returns to the sea floor. The hole was slugged with high viscosity mud prior to each connection. The riser was run and the diverter system installed. From 229 to 816 m in the Nordland Group (Miocene age) the well was drilled first as a 17 1/2" pilot hole and logged, then with a 26" hole opener. When disconnecting the marine riser on 21 August, the well started to flow. The rig was quickly moved off location and out of danger from the gas flow.

The well flowed for approximately one and a half hours the morning of the blowout and again for two and a half hours the same evening. Periodic subsea observations over the next days, showed continued flow from the wellhead at a greatly reduced rate with only one brief surface indication of flow. Post-well analysis of the incident concluded that the gas came from shallow sand at 427 - 432 m.

On 19 September the well was re-entered (34/10-10 R) with the semi-submersible installation Borgny Dolphin and permanently plugged. No hydrocarbons other than the shallow gas are reported from the well.

No cores were cut and no wire line fluid samples were taken.

Borgny Dolphin pulled anchors on 4 October 1980 and the well was permanently abandoned as a junk well.

Testing

No drill stem test was performed.

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
230.00	810.00

Cuttings available for sampling?	YES
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Lithostratigraphy



Top depth [mMD RKB]	Lithostrat. unit
179	NORDLAND GP

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

Document name	Document format	Document size [MB]
430_01_WDSS_General_Information	pdf	0.11
430_02_WDSS_completion_log	pdf	0.08

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

Document name	Document format	Document size [MB]
430_01_34_10_10_Completion_Log	pdf	0.49
430_01_34_10_10_Completion_report	pdf	4.22

Logs

Log type	Log top depth [m]	Log bottom depth [m]
ISF SI&ONIC GR SP	179	810

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	203.0	36	203.0	0.00	LOT
OPEN HOLE		791.0	17 1/2	791.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
263	1.05	60.0		waterbased	
338	1.07	75.0		waterbased	
543	1.07	42.0		waterbased	
665	1.03	43.0		waterbased	



