General information

Wellbore name	34/10-22
Type	EXPLORATION
Purpose	APPRAISAL
Status	P&A
Factmaps in new window	link to map
Main area	NORTH SEA
Field	GULLFAKS
Discovery	34/10-1 Gullfaks
Well name	34/10-22
Seismic location	linje 8199407 SP. 102
Production licence	050
Drilling operator	Den norske stats oljeselskap a.s
Drill permit	440-L
Drilling facility	DYVI DELTA
Drilling days	12
Entered date	25.10.1984
Completed date	05.11.1984
Release date	05.11.1986
Publication date	21.12.2012
Purpose - planned	APPRAISAL
Reentry	NO
Content	GAS
Discovery wellbore	NO
1st level with HC, age	PLIOCENE
1st level with HC, formation	NORDLAND GP
Kelly bushing elevation [m]	29.0
Water depth [m]	135.0
Total depth (MD) [m RKB]	579.0
Final vertical depth (TVD) [m RKB]	579.0
Maximum inclination [°]	1.9
Bottom hole temperature [°C]	23
Oldest penetrated age	PLIOCENE
Oldest penetrated formation	NORDLAND GP
Geodetic datum	ED50
NS degrees	61° 10' 33.5'' N
EW degrees	2° 11' 15.32'' E
NS UTM [m]	6782820.80
EW UTM [m]	456301.94

UTM zone	31
NPDID wellbore	446

Wellbore history

General

Well 34/10-22 was drilled on the Gullfaks Field to test for possible shallow gas around the planned position of the Gullfaks A platform.

Operations and results

Well 34/10-22 was spudded with the semi-submersible installation on 25 October 1984 and drilled to TD at 579 m in Pliocene sediments in the Nordland Group. No significant problem was encountered in the operations. The well was drilled with water based mud

Pliocene sediments were encountered at 292 m, based on the logs. Four Pliocene sand layers were penetrated, and the two shallowest, at 310-315 m and 393-396 m, were gas bearing.

Eight core runs were attempted and a total of 22.2 m core was recovered in four cores. Wire line logging at TD was performed. The bottom hole temperature 3 hours after circulation was 23.3 deg C. No fluid samples were taken.

The well was permanently abandoned on 5 November 1984.

Testing

No drill stem test was performed.

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
240.00	580.00

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
3	428.0	432.2	[m]
6	448.1	457.2	[m]
7	465.1	466.5	[m]
8	466.5	474.0	[m]

Total core sample length [m]	22.3

Cores available for sampling?	YES

Core photos


428-432m


448-454m


454-457m


465-466m


466-471m


466-474m

Lithostratigraphy

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

Geochemical information

Document name	Document format	Document size [MB]
446_GCH_1	pdf	1.97

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

Document name	Document format	Document size [MB]
446_01_WDSS_General_Information	pdf	0.16
446_02_WDSS_completion_log	pdf	0.09

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

Document name	Document format	Document size [MB]
446_34_10_22_Completion_log	pdf	0.42
446_34_10_22_Completion_report	pdf	14.14

Logs

Log type	Log top depth [m]	Log bottom depth [m]
DLL MSFL GR	236	577
ISF LSS MSFL GR	236	576
LDL CNL GR	236	577
SHDT	236	577
VSP	180	570

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
INTERM.	13 3/8	237.0	17 1/2	241.0	0.00	LOT
OPEN HOLE		579.0	8 1/2	579.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
360	1.10	8.0	31.0	WATER BASED	
500	1.10	9.0	12.0	WATER BASED	