



## **General information**





Wellbore name	34/10-29
Type	EXPLORATION
Purpose	APPRAISAL
Status	P&A
Factmaps in new window	<a href="#">link to map</a>
Main area	NORTH SEA
Field	<a href="#">GULLFAKS</a>
Discovery	<a href="#">34/10-1 Gullfaks</a>
Well name	34/10-29
Seismic location	ST 8488 2111 SP. 500
Production licence	<a href="#">050</a>
Drilling operator	Den norske stats oljeselskap a.s
Drill permit	496-L
Drilling facility	<a href="#">WEST VENTURE OLD</a>
Drilling days	31
Entered date	27.12.1985
Completed date	26.01.1986
Release date	26.01.1988
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]	32.0
Water depth [m]	135.0
Total depth (MD) [m RKB]	405.0
Final vertical depth (TVD) [m RKB]	405.0
Maximum inclination [°]	0.8
Oldest penetrated age	PLIOCENE
Oldest penetrated formation	NORDLAND GP
Geodetic datum	ED50
NS degrees	61° 10' 33.06" N
EW degrees	2° 11' 28.76" E
NS UTM [m]	6782804.69
EW UTM [m]	456502.57
UTM zone	31
NPDID wellbore	453



## Wellbore history

### General

Well 34/10-29 was drilled on the Gullfaks Field to investigate and drain possible shallow gas sands between 342 to 347 m at the platform A location on the Gullfaks Field.

### Operations and results

During anchoring a damaged fairlead for anchor no 8 was discovered and the rig had to be towed to land for repair. Nine days were lost. Also the rough weather with wind speed up to 36 - 42 m/s and waves reaching 16 m caused significant WOW down-time. Well 34/10 was spudded with the semi-submersible installation West Venture on 27 December 1985 and drilled to TD at 482 m in Pliocene sediments in the Nordland Group. Apart from WOW no significant down-time or technical problem was encountered in the operations. The well was drilled with water based mud.

Top Pliocene was encountered at 291 m. The well penetrated sand in the interval 344 m to 348 m. The upper 0.5 m was gas bearing.

Three short cores were cut with junk catcher in the interval 344 m to 347 m. A total of ca one meter clay with variable silt/sand/pebbles was retrieved. No wire line fluid samples were taken. Cuttings samples were taken every 5 m from 275 m to TD.

The well was permanently abandoned on 26 January 1986.

### Testing

The well was perforated and tested in the interval 344 m to 346 m, with nitrogen cushion. In the first flow period the well produced gas at a rate of ca 25000 Sm<sup>3</sup>/day. A perforation wash was performed, and then acid treatment in order to increase the flow. No further flow was achieved and the well was killed.

## Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
275.00	400.00

Cuttings available for sampling?	NO
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## Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
167	<a href="#">NORDLAND GP</a>

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





Document name	Document format	Document size [MB]
<a href="#">453 34 10 29 Completion log</a>	pdf	0.42
<a href="#">453 34 10 29 Completion report</a>	pdf	8.72

### Drill stem tests (DST)

Test number	From depth MD [m]	To depth MD [m]	Choke size [mm]
1.0	344	348	19.1
2.0	344	348	12.7

Test number	Final shut-in pressure [MPa]	Final flow pressure [MPa]	Bottom hole pressure [MPa]	Downhole temperature [°C]
1.0				
2.0	3.000	1.000	1.000	

Test number	Oil [Sm3/day]	Gas [Sm3/day]	Oil density [g/cm3]	Gas grav. rel.air	GOR [m3/m3]
1.0					
2.0				0.567	

### Logs

Log type	Log top depth [m]	Log bottom depth [m]
CBL VDL GR	167	361
ISF BHC MSFL GR	312	403
LDL CNL GR	312	405
MWD	270	405

### 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	241.5	36	241.5	0.00	LOT
SURF.COND.	20	264.0	26	270.0	0.00	LOT
INTERM.	13 3/8	311.0	17 1/2	316.0	1.27	LOT
INTERM.	9 5/8	405.0	12 1/4	405.0	0.00	LOT



**Drilling mud**

Depth MD [m]	Mud weight [g/cm <sup>3</sup> ]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
270	1.10	80.0		WATER BASED	31.12.1985
326	1.12	52.0	10.5	WATER BASED	02.01.1986
344	1.12	57.0	14.0	WATERBASED	06.01.1986
405	1.12	57.0	14.0	WATERBASED	16.01.1986