



Generell informasjon

Brønnbane navn	34/10-29
Type	EXPLORATION
Formål	APPRAISAL
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Felt	GULLFAKS
Funn	34/10-1 Gullfaks
Brønn navn	34/10-29
Seismisk lokalisering	ST 8488 2111 SP. 500
Utvinningstillatelse	050
Boreoperatør	Den norske stats oljeselskap a.s
Boretillatelse	496-L
Boreinnretning	WEST VENTURE OLD
Boredager	31
Borestart	27.12.1985
Boreslutt	26.01.1986
Frigitt dato	26.01.1988
Publiseringsdato	21.12.2012
Opprinnelig formål	APPRAISAL
Gjenåpnet	NO
Innhold	GAS
Funnbrønnbane	NO
1. nivå med hydrokarboner, alder	PLIOCENE
1. nivå med hydrokarboner, formasjon.	NORDLAND GP
Avstand, boredekk - midlere havflate [m]	32.0
Vanndybde ved midlere havflate [m]	135.0
Totalt målt dybde (MD) [m RKB]	405.0
Totalt vertikalt dybde (TVD) [m RKB]	405.0
Maks inklinasjon [°]	0.8
Eldste penetrerte alder	PLIOCENE
Eldste penetrerte formasjon	NORDLAND GP
Geodetisk datum	ED50
NS grader	61° 10' 33.06" N
ØV grader	2° 11' 28.76" E
NS UTM [m]	6782804.69



ØV UTM [m]	456502.57
UTM sone	31
NPDID for brønnbanen	453

Brønnhistorie

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 Sm³/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.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
275.00	400.00

Borekaks tilgjengelig for prøvetaking?	NO
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Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
167	NORDLAND GP



Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
453_34_10_29_Completion_log	pdf	0.42
453_34_10_29_Completion_report	pdf	8.72

Borestrengtester (DST)

Test nummer	Fra dybde MD [m]	Til dybde MD [m]	Reduksjonsven til størrelse [mm]
1.0	344	348	19.1
2.0	344	348	12.7

Test nummer	Endelig avstengningstrykk [MPa]	Endelig strømningstrykk [MPa]	Bunnhullstrykk [MPa]	Borehullstemperatur [°C]
1.0				
2.0	3.000	1.000	1.000	

Test nummer	Olje produksjon [Sm3/dag]	Gass produksjon [Sm3/dag]	Oljetetthet [g/cm3]	Gasstyngde rel. luft	GOR [m3/m3]
1.0					
2.0				0.567	

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CBL VDL GR	167	361
ISF BHC MSFL GR	312	403
LDL CNL GR	312	405
MWD	270	405

Foringsrør og formasjonsstyrketester





Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 9.5.2024 - 07:26

Type utforing	Utforing diam. [tommer]	Utforing dybde [m]	Brønnbane diam. [tommer]	Brønnbane dyp [m]	LOT/FIT slam eqv. [g/cm3]	Type formasjonstest
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

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	flytegrense [Pa]	Type slam	Dato, måling
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