



Generell informasjon





Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 15.5.2024 - 09:59

Brønnbane navn	34/10-52 S
Type	EXPLORATION
Formål	APPRAISAL
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Felt	GULLFAKS SØR
Funn	34/10-2 Gullfaks Sør
Brønn navn	34/10-52
Seismisk lokalisering	
Utvinningstillatelse	050
Boreoperatør	StatoilHydro Petroleum AS
Boretillatelse	1257-L
Boreinnretning	DEEPSEA ATLANTIC
Boredager	98
Borestart	05.08.2009
Boreslutt	10.11.2009
Frigitt dato	10.11.2011
Publiseringsdato	08.08.2013
Opprinnelig formål	APPRAISAL
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	32.0
Vanndybde ved midlere havflate [m]	134.0
Totalt målt dybde (MD) [m RKB]	1516.0
Totalt vertikalt dybde (TVD) [m RKB]	1516.0
Maks inklinasjon [°]	1
Eldste penetrerte alder	TERTIARY
Eldste penetrerte formasjon	HORDALAND GP
Geodetisk datum	ED50
NS grader	61° 4' 16.1" N
ØV grader	2° 11' 31.33" E
NS UTM [m]	6771140.92
ØV UTM [m]	456396.94
UTM sone	31
NPDID for brønnbanen	6147



Brønnhistorie

General

Well 34/10-52 S was drilled on the 10AB fault segment in the southern part of the Gullfaks Sør field, located in the northern part of the North Sea. The objective for this appraisal is to prove hydrocarbons and further production potential in the Gullfaks Sør Brent Group and to support decisions on future development in the Gullfaks Sør area.

Operations and results

Appraisal well 34/10-52 S was drilled with the semi-submersible installation Deepsea Atlantic. First spud was 5 August 2009. A 9 7/8" pilot hole was drilled from seabed 165.5 m to 800 m, to check for shallow gas. No shallow gas was observed from the pilot hole. Gas bubbles were observed at wellhead with ROV while pulling out of hole with 26" BHA. The section was displaced to 1.50 g/cc mud and no more gas bubbles were observed. No indications of hydrocarbons were interpreted on MWD/LWD logs from 9 7/8" pilot hole and 26" hole, all sand layers indicated drop in resistivity, hence water filled. Drilled 17 1/2" hole to 1516 m and lost circulation. At the same time lateral wellhead movement was observed. The bore hole was abandoned and a re-spud (34/10-52 ST2) was performed 40 m north on 15 September 2009. This well was drilled to 345 m where the well was observed flowing. The well was plugged back and 20" casing was installed at 301 m. Installed BOP and riser. Decided to suspend the operation and abandon the well due to wellhead movement and technical problems with rig equipment. The well was drilled with sweater and high viscous pills.

Target reservoir was not reached. No cores were cut and no wire line fluid samples were taken.

The well was permanently abandoned on 10 November 2009 as a dry well.

Testing

No drill stem test was performed.

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
166	NORDLAND GP
946	UTSIRA FM
957	HORDALAND GP

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
MWD - DIR	167	247
MWD - GR RES ECD DIR	247	790
MWD - GR RES ECD DIR	785	1516



MWD - GR RES ECD DIR SON	167	800
USIT CBL DCS	175	603

Foringsrør og formasjonsstyrketester

Type utforing	Utforing diam. [tommer]	Utforing dybde [m]	Brønnbane diam. [tommer]	Brønnbane dyp [m]	LOT/FIT slam eqv. [g/cm3]	Type formasjonstest
CONDUCTOR	30	244.0	36	246.0	0.00	LOT
SURF.COND.	20	301.0	26	345.0	0.00	LOT
PILOT HOLE		800.0	9 7/8	800.0	0.00	LOT
OPEN HOLE		1516.0	17 1/2	1516.0	1.69	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
303	1.10	13.0		POLYMER	
319	1.10	10.0		POLYMER	
736	1.10	9.0		POLYMER	
793	1.28	9.0		Glydril	
796	1.11	10.0		POLYMER	
796	1.10	10.0		POLYMER	
1227	1.42	11.0		Glydril	
1401	1.20	12.0		Glydril	
1516	1.43	17.0		Glydril	
1841	1.26	14.0		Glydril	
2031	1.28	14.0		Glydril	
2110	1.30	19.0		Glydril	