



Generell informasjon

Brønnbane navn	34/10-45 A
Type	EXPLORATION
Formål	APPRAISAL
Status	RE-CLASS TO DEV
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Felt	GULLFAKS
Funn	34/10-45 S
Brønn navn	34/10-45
Seismisk lokalisering	
Utvinningstillatelse	050
Boreoperatør	Statoil ASA (old)
Boretillatelse	1033-L
Boreinnretning	GULLFAKS B
Boredager	26
Borestart	12.01.2002
Boreslutt	06.02.2002
Plugget dato	15.02.2003
Frigitt dato	06.02.2004
Publiseringsdato	03.05.2004
Opprinnelig formål	APPRAISAL
Reklassifisert til brønnbane	34/10-B-42 B
Gjenåpnet	NO
Innhold	GAS/CONDENSATE
Funnbrønnbane	NO
1. nivå med hydrokarboner, alder	LATE CRETACEOUS
1. nivå med hydrokarboner, formasjon.	NO FORMAL NAME
Avstand, boredekk - midlere havflate [m]	80.8
Vanndybde ved midlere havflate [m]	142.5
Totalt målt dybde (MD) [m RKB]	6523.0
Totalt vertikalt dybde (TVD) [m RKB]	2140.0
Eldste penetrerte alder	LATE JURASSIC
Eldste penetrerte formasjon	HEATHER FM
Geodetisk datum	ED50
NS grader	61° 12' 9.93" N



ØV grader	2° 12' 5.93" E
NS UTM [m]	6785795.10
ØV UTM [m]	457094.51
UTM sone	31
NPDID for brønnbanen	4501

Brønnhistorie

General

Well 34/10-45 A is situated in the Gullfaks area and is a sidetrack from well 34/10-45 S, which was lost due to technical problems during a casing operation. The primary objectives for well 34/10-45 A were to evaluate the distribution and thickness of the sand of supposed Cretaceous age penetrated in the well 45 S in the fault block D3 and to be an oil producer from the Tarbert Formation in segment D3 (Gullfaks Vest).

Operations

The appraisal well 34/10-45 A was spudded on 12 January 2002 with the permanent installation Gullfaks B and drilled to TD at 6523 m (2140,1 m TVD RKB). The well 34/10-45 A was drilled from the kick-off point at 5405,5 m (1983 m TVD RKB) to TD with "Versavert" OBM.

The well confirmed a gas/condensate column of 19,5 m in the possible Cretaceous sandstone (Krans Member/Kyrre Fm). This was 21 m TVD shallower than initially prognosed (2007 m TVD MSL).

Ran in hole with CMR/MDT/GR on drill pipe and took pressure point and sample at 6412 m. Took pressure point and attempted to take sample at 6420 m. Reset tool at 6419 m and took sample. The MDT measurements in the Cretaceous sandstones penetrated in well 34/10-45 A show a pore pressure corresponding to 1,57 sg EMW, as indicated in the pressure prognosis given prior to drilling. No coring was performed in the well.

Well 34/10-45 A was a gas/condensate appraisal. It was plugged on 06 February 2002 as a producer and re-classed to development well 34/10-B-42-B.

Testing

No drill stem test was performed in 34/10-45 A. After re-classing to 34/10-B-42-B the well was perforated at 6415 to 6427 m. The well was put on stream in March 2002, but the pressure dropped three times faster than expected.

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
223	NORDLAND GP
1910	HORDALAND GP
2394	ROGALAND GP
2394	BALDER FM
2757	LISTA FM



3664	SHETLAND GP
6372	NO FORMAL NAME
6444	VIKING GP
6444	HEATHER FM

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
4501_34_10_45_A_COMPLETION_REPORT	.PDF	45.00

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CMR MDT DSI USIT	5405	6523
MWD LWD - GR RES DEN NEU	5405	6523

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
LINER	7	6523.0	8 1/2	6523.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
5405	1.60	42.0		VERSAVERT	
5685	1.60	44.0		VERSAVERT	
6373	1.62	54.0		VERSAVERT	
6435	1.60	52.0		VERSAVERT	
6467	1.60	41.0		VERSAVERT	
6523	1.62	49.0		VERSAVERT	

Trykkplott





Porertrykksdataene kommer fra logging i brønnen hvis ingen annen kilde er oppgitt. I noen brønner der trykk ikke er logget, er det brukt informasjon fra formasjonstester eller brønnspar. Trykkdataene er rapportert inn til Oljedirektoratet og videre prosessert og kvalitetssikret av IHS Markit.

Dokument navn	Dokument format	Dokument størrelse [KB]
4501 Formation pressure (Formasjonstrykk)	pdf	0.21

