Generell informasjon

Brønnbane navn	16/2-2
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	16/2-2
Seismisk lokalisering	ST00M3-INLINE 2290 & X-LINE 2948
Utvinningstillatelse	265
Boreoperatør	Statoil ASA (old)
Boretillatelse	1013-L
Boreinnretning	BYFORD DOLPHIN
Boredager	18
Borestart	17.09.2001
Boreslutt	04.10.2001
Frigitt dato	04.10.2003
Publiseringsdato	04.10.2003
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	25.0
Vanndybde ved midlere havflate [m]	120.0
Totalt målt dybde (MD) [m RKB]	1880.0
Totalt vertikalt dybde (TVD) [m RKB]	1855.0
Maks inklinasjon [°]	1.9
Temperatur ved bunn av brønnbanen [°C]	82
Eldste penetrerte alder	EARLY CRETACEOUS
Eldste penetrerte formasjon	RØDBY FM
Geodetisk datum	ED50
NS grader	58° 58' 7.79'' N
ØV grader	2° 30' 7.79'' E
NS UTM [m]	6536838.50
ØV UTM [m]	471371.06
UTM sone	31
NPDID for brønnbanen	4408

Brønnhistorie

General

Well 16/2-2 is located on the Skuld prospect located just to the south of the proven Balder/Grane oil province. There are four main prospective sandstones in the area: the Ty, the Lower Heimdal, the Middle/Upper Heimdal, and the Hermod Formations. All four sandstones were believed to be present in the prospect. The objectives of the well were to prove commercial volumes of hydrocarbons and to test the stratigraphic trap and the structural closure.

Operations and results

Exploration well 16/2-2 was spudded with the semi-submersible installation "Byford Dolphin" and drilled to TD at 1880 m in the Early Cretaceous Rødby Formation. The well was drilled with seawater and bentonite hi-vis pills down to 1312 m and with oil based "NOVATEC" mud from 1312 m to TD.

No shallow gas was encountered. Only minor amounts of gas were recorded in the well with maximum 0.17% formation gas recorded at 1697 m in Tertiary, predominantly claystone lithology. Otherwise there were no indications of hydrocarbons throughout the well. No reservoir rock was developed in the Paleocene section. The Paleocene sequence is composed of claystones with only occasional traces of coarser clastics (siltstone and rarely sandstone). No cores were cut in the well and no fluid samples were taken.

The well was permanently plugged and abandoned as a dry well on 4 October 2000.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
1320.00	1880.60

Borekaks tilgjengelig for prøvetaking?	YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
145	NORDLAND GP
871	UTSIRA FM
895	UNDIFFERENTIATED
961	HORDALAND GP
961	SKADE FM

1126	NO FORMAL NAME
1630	ROGALAND GP
1630	BALDER FM
1649	SELE FM
1709	LISTA FM
1815	VÅLE FM
1836	SHETLAND GP
1836	TOR FM
1851	HOD FM
1872	BLODØKS FM
1875	CROMER KNOLL GP
1875	RØDBY FM

Spleisede logger

Dokument navn	Dokument format	Dokument størrelse [KB]
4408	pdf	0.19

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
4408_16_2_2_COMPLETION_LOG	.pdf	3.95
4408_16_2_2_COMPLETION_REPORT	.pdf	2.18

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CSI GR	498	1880
DSI PEX AIT GR	1307	1886
MPR - DIR GR RES	205	1312
MPR - DIR GR RES DCP	1312	1634
MPR - DIR GR RES DCP	1634	1880

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	205.0	36	206.0	0.00	LOT
SURF.COND.	13 3/8	1305.0	17 1/2	1305.0	1.62	LOT
OPEN HOLE		1855.0	8 1/2	1855.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
220	1.03			SEAWATER/CMC	
1155	1.35	22.0		NOVATEC	
1158	1.03			SEAWATER/CMC	
1312	1.03			SEAWATER/CMC	
1316	1.03			SEAWATER/CMC	
1600	1.35	23.0		NOVATEC	