Generell informasjon

Brønnbane navn	24/12-4
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	24/12-4
Seismisk lokalisering	SV92R00-line:3263/2142
Utvinningstillatelse	204
Boreoperatør	Statoil ASA (old)
Boretillatelse	1012-L
Boreinnretning	BYFORD DOLPHIN
Boredager	15
Borestart	31.08.2001
Boreslutt	14.09.2001
Frigitt dato	14.09.2003
Publiseringsdato	14.09.2003
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	25.0
Vanndybde ved midlere havflate [m]	115.0
Totalt målt dybde (MD) [m RKB]	2265.0
Totalt vertikalt dybde (TVD) [m RKB]	2264.5
Maks inklinasjon [°]	1.9
Temperatur ved bunn av brønnbanen [°C]	74
Eldste penetrerte alder	PALEOCENE
Eldste penetrerte formasjon	HEIMDAL FM
Geodetisk datum	ED50
NS grader	59° 11' 36.95'' N
ØV grader	1° 45' 42.69'' E
NS UTM [m]	6562417.68
ØV UTM [m]	429264.71
UTM sone	31
NPDID for brønnbanen	4383

Brønnhistorie

General

The main objective of well 24/12-4 was to test the combined structural / stratigraphic trap and the hydrocarbon potential in the B-Prospect within PL 204. The Hermod Formation sandstone was the primary reservoir target, but in general terms the well should evaluate the petrophysical properties of the Sele, Hermod, Lista and Heimdal Formations.

Operations and results

Exploration well 24/12-4 was spudded with the semi-submersible installation "Byford Dolphin" on 31 August 2001 and drilled to TD at 2265 m in the Late Paleocene Heimdal Formation. The well was drilled with oil based "Novatec" mud. Sand sequences with good reservoir properties were found in the Hermod and Heimdal Formations, but all of these proved to be water bearing. As a result of water bearing reservoirs, a reduced data acquisition programme was performed. Only standard logs as gamma ray, resistivity, density, neutron and sonic were run in addition to a velocity survey (VSP). Formation pressures, fluid samples and core data were not collected in this well. The well was permanently abandoned as a dry well on 14 September 2001.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
1020.00	2265.00

Borekaks tilgjengelig for prøvetaking?	YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
140	NORDLAND GP
465	UTSIRA FM
858	HORDALAND GP
1211	GRID FM
1415	NO FORMAL NAME
2077	ROGALAND GP
2077	BALDER FM
2121	SELE FM
2139	HERMOD FM

2207	LISTA FM
2224	HEIMDAL FM

Spleisede logger

Dokument navn	Dokument format	Dokument størrelse [KB]
4383	pdf	0.27

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
4383_24_12_4_COMPLETION_LOG	.pdf	4.90
4383_24_12_4_COMPLETION_REPORT	.PDF	1.71

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
ASI GR - VSP	603	1400
CSI GR - VSP	600	2260
MPR - GR RES DIR	197	1014
MPR LITE	1014	2265
PEX DSI	380	2266

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	197.5	36	200.0	0.00	LOT
SURF.COND.	13 3/8	1007.5	17 1/2	1010.0	1.65	LOT
OPEN HOLE		2265.0	8 1/2	2265.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
222	1.03			SEAWATER/CMC	
850	1.35	23.0		NOVATEC	
1014	1.03			SEAWATER/CMC	
1200	1.35	28.0		NOVATEC	
1850	1.35	25.0		NOVATEC	