



Generell informasjon

Brønnbane navn	31/5-6
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	31/5-6
Seismisk lokalisering	NH9453-312 N-S& NH9453-110 E-W
Utvinningstillatelse	191
Boreoperatør	Norsk Hydro Produksjon AS
Boretillatelse	979-L
Boreinnretning	SCARABEO 6
Boredager	21
Borestart	05.07.2000
Boreslutt	25.07.2000
Frigitt dato	25.07.2002
Publiseringsdato	18.12.2002
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	OIL SHOWS
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	26.0
Vanndybde ved midlere havflate [m]	328.0
Totalt målt dybde (MD) [m RKB]	2370.0
Totalt vertikalt dybde (TVD) [m RKB]	2368.0
Maks inklinasjon [°]	5.71
Eldste penetrerte alder	EARLY JURASSIC
Eldste penetrerte formasjon	DRAKE FM
Geodetisk datum	ED50
NS grader	60° 43' 19.78" N
ØV grader	3° 21' 26.35" E
NS UTM [m]	6732053.04
ØV UTM [m]	519495.40
UTM sone	31
NPDID for brønnbanen	4128



Brønnhistorie

General

The objective for well 31/5-6 was to test the hydrocarbon potential of the Jurassic U-structure in PL 191 west of the Troll Field. The primary targets were to test the hydrocarbon potential of the Sognefjord and Fensfjord Formations of the Viking Group. Secondary targets were to test the hydrocarbon potential of the Brent Group and to test the possibility of hydrocarbons being present in the Våle Formation of the Rogaland Group.

Operations and results

Wildcat well 31/5-6 was spudded with the semi-submersible installation "Scarabeo 6" on 5 July 2000 and drilled to TD at 2370 m in the Early Jurassic Drake Formation. The well was drilled with spud mud down to 1201 m and with water based "Glydril" mud from 1201 m to TD. More than 400 m of upper Jurassic Viking Group sediments were penetrated in well 31/5-6 U-structure. About half of the Viking Group is composed of the sand-rich, shallow marine Sognefjord, Fensfjord and Krossfjord Formations; the remaining is assigned the Heather Formation and a very thin Draupne Formation. The potential Sognefjord and Fensfjord reservoirs were found water bearing, although weak shows were reported in the uppermost part of the Sognefjord Formation. The Brent Group was 126 m thick and consisted of the Tarbert, Ness, Etive, Rannoch and Oseberg formation equivalents. Also the Brent Group was found water bearing although weak shows were reported in the uppermost part of the Tarbert formation equivalent. No conventional cores were cut and no fluid samples were taken. The well was permanently abandoned as a dry well with shows on 25 July 2000.

Testing

No drill stem test was performed

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
1210.00	2370.00

Borekaks tilgjengelig for prøvetaking?	YES
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Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
354	NORDLAND GP
494	HORDALAND GP
1528	ROGALAND GP
1528	BALDER FM
1589	SELE FM



1645	LISTA FM
1761	VÅLE FM
1790	SHETLAND GP
1795	VIKING GP
1795	DRAUPNE FM
1798	SOGNEFJORD FM
1862	HEATHER FM
1955	FENSFJORD FM
2056	KROSSFJORD FM
2112	HEATHER FM
2215	BRENT GP
2336	DUNLIN GP
2336	DRAKE FM

Spleisede logger

Dokument navn	Dokument format	Dokument størrelse [KB]
4128	pdf	0.25

Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
4128_1	pdf	1.88
4128_2	pdf	1.88
4128_3	pdf	1.15

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
4128_31_5_6_COMPLETION_LOG	.pdf	0.82
4128_31_5_6_COMPLETION_REPORT	.PDF	3.81

Logger





Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CST GR	1775	2363
MWD - CDR	356	1709
MWD - VIS675 ADN RAB	1609	2370

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	430.0	36	430.0	0.00	LOT
INTERM.	13 3/8	1196.0	17 1/2	1201.0	1.66	LOT
INTERM.	9 5/8	1704.0	12 1/4	1709.0	1.48	LOT
OPEN HOLE		2370.0	8 1/2	2370.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
1606	0.00	13.0		WATER BASED	
1709	1.18	13.0		WATER BASED	
2075	1.18	11.0		WATER BASED	
2370	1.18	11.0		WATER BASED	