



Generell informasjon

Brønnbane navn	6609/7-1
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORWEGIAN SEA
Brønn navn	6609/7-1
Seismisk lokalisering	NH 81 - 02 - 419 SP 500
Utvinningstillatelse	081
Boreoperatør	Phillips Petroleum Company Norway
Boretillatelse	378-L
Boreinnretning	NORDRAUG
Boredager	44
Borestart	21.06.1983
Boreslutt	03.08.1983
Frigitt dato	03.08.1985
Publiseringsdato	16.06.2005
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	25.0
Vanndybde ved midlere havflate [m]	250.0
Totalt målt dybde (MD) [m RKB]	1969.0
Totalt vertikalt dybde (TVD) [m RKB]	1969.0
Eldste penetrerte alder	PRE-DEVONIAN
Eldste penetrerte formasjon	BASEMENT
Geodetisk datum	ED50
NS grader	66° 24' 56.49" N
ØV grader	9° 1' 14.91" E
NS UTM [m]	7366433.20
ØV UTM [m]	500929.07
UTM sone	32
NPDID for brønnbanen	19



Brønnhistorie

General

Wildcat well 6609/7-1 is located in the Nordland I area outside mid Norway. The objective was to test anticipated Late Paleozoic sandstones within the Nordland Ridge.

Operations and results

Wildcat well 6609/7-1 was spudded with the semi-submersible installation Nordraug on 21 June 1983 and drilled to TD at 1969 m in Pre-Devonian Basement. Mud problems occurred several times during drilling, well flowing and lost circulations occurred from 1500 m to TD. The well was drilled using Seawater/gel down to 1025 m and with Lignosulphonate/Drispac mud from 1025 m to TD.

A thin Eocene sand section was penetrated at 1460 m at Top Hordaland Group. A 2.7% mud gas peak (methane) was recorded in this sand. At 1820 m Late Cretaceous sediments of the Lange Formation (Cenomanian age) was encountered. Below this section, at 1876 m, an undefined section consisting of dolomite and thin sandstone beds was encountered. At this point a 19.8 % mud gas peak was recorded. Metamorphic basement was encountered at 1912 m. Paleozoic sands were absent. No oil shows were recorded in the well. Organic geochemical analyses of cuttings indicated traces of migrated hydrocarbons in the Cretaceous section from 1800 m to 1870 m. Only very poor gas prone source sections were identified in the well, which was found immature for any petroleum generation all through. Two cores were cut in the metamorphic basement. No fluid sample was taken. No sidewall cores were taken.

The well was permanently abandoned on 3 August 1983 as a dry hole.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
360.00	1967.50

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerne i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	1944.2	1946.0	[m]
2	1968.0	1969.0	[m]

Total kjerneprøve lengde [m]	2.8
Kjerner tilgjengelig for prøvetaking?	YES



Kjernebilder



1944-1956m



1944-1946m



1968-1969m



1968-1969m



1945-1956m



1944-1945m



1944-1945m

Palynologiske preparater i Søkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
1510.0	[m]	DC	IKU
1525.0	[m]	DC	IKU
1540.0	[m]	DC	IKU
1555.0	[m]	DC	IKU
1560.0	[m]	DC	OD
1570.0	[m]	DC	IKU
1585.0	[m]	DC	IKU
1600.0	[m]	DC	IKU
1600.0	[m]	DC	SAGA
1605.0	[m]	DC	IKU
1610.0	[m]	DC	IKU
1610.0	[m]	DC	SAGA
1615.0	[m]	DC	OD
1620.0	[m]	DC	IKU
1620.0	[m]	DC	SAGA
1630.0	[m]	DC	OD
1630.0	[m]	DC	SAGA
1635.0	[m]	DC	IKU
1640.0	[m]	DC	SAGA



1650.0	[m]	DC	IKU
1650.0	[m]	DC	OD
1650.0	[m]	DC	SAGA
1660.0	[m]	DC	OD
1665.0	[m]	DC	IKU
1670.0	[m]	DC	SAGA
1680.0	[m]	DC	IKU
1690.0	[m]	DC	SAGA
1695.0	[m]	DC	IKU
1700.0	[m]	DC	OD
1710.0	[m]	DC	IKU
1710.0	[m]	DC	SAGA
1720.0	[m]	DC	IKU
1730.0	[m]	DC	OD
1730.0	[m]	DC	SAGA
1735.0	[m]	DC	IKU
1750.0	[m]	DC	IKU
1750.0	[m]	DC	SAGA
1760.0	[m]	DC	OD
1767.0	[m]	DC	IKU
1770.0	[m]	DC	SAGA
1780.0	[m]	DC	IKU
1780.0	[m]	DC	OD
1790.0	[m]	DC	SAGA
1795.0	[m]	DC	IKU
1800.0	[m]	DC	OD
1805.0	[m]	DC	SAGA
1810.0	[m]	DC	IKU
1820.0	[m]	DC	OD
1820.0	[m]	DC	SAGA
1825.0	[m]	DC	IKU
1830.0	[m]	DC	SAGA
1835.0	[m]	DC	OD
1835.0	[m]	DC	SAGA
1840.0	[m]	DC	IKU
1840.0	[m]	DC	SAGA
1845.0	[m]	DC	IKU
1845.0	[m]	DC	OD
1845.0	[m]	DC	SAGA
1850.0	[m]	DC	OD



1850.0	[m]	DC	SAGA
1855.0	[m]	DC	SAGA
1857.5	[m]	DC	OD
1860.0	[m]	DC	SAGA
1862.5	[m]	DC	OD
1865.0	[m]	DC	IKU
1865.0	[m]	DC	SAGA
1867.5	[m]	DC	SAGA
1870.0	[m]	DC	SAGA
1872.5	[m]	DC	SAGA
1872.5	[m]	DC	OD
1875.0	[m]	DC	SAGA
1876.6	[m]	DC	OD
1877.5	[m]	DC	SAGA
1880.0	[m]	DC	SAGA
1885.0	[m]	DC	IKU
1930.0	[m]	DC	IKU
1944.2	[m]	C	IKU
1947.5	[m]	DC	IKU
2048.0	[m]	DC	OD

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
275	NORDLAND GP
275	NAUST FM
1400	KAI FM
1460	HORDALAND GP
1460	BRYGGE FM
1500	ROGALAND GP
1500	TARE FM
1582	TANG FM
1609	SHETLAND GP
1609	SPRINGAR FM
1680	NISE FM
1820	CROMER KNOLL GP
1820	LANGE FM
1876	ZECHSTEIN GP
1912	BASEMENT



Spleisede logger

Dokument navn	Dokument format	Dokument størrelse [KB]
19	pdf	0.22

Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
19 1	pdf	0.81

Dokumenter - eldre Sjøkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
19 01 WDSS General Information	pdf	0.17
19 02 WDSS completion log	pdf	0.21

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
19 01 Completion Report and Composite log	pdf	16.71
19 02 Biostratigraphy	pdf	0.64
19 03 Follow-Up Analyses on Samples	pdf	1.45
19 04 Petrogenesis and Structural Thermal History	pdf	2.09
19 05 Petrography and Mineralogy	pdf	0.63
19 06 Source Rock Analysis	pdf	1.21
19 07 Traenabanken Core1	pdf	0.48

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CBL VDL CCL	950	1796





CBL VDL CCL	1500	1796
DIL LSS GR	276	1035
DIL LSS GR	1833	1941
DIL LSS GR	1833	1966
DIL LSS MSFL GR	1024	1843
LDT CNL NGT	1024	1843
LDT CNL NGT	1833	1942
LDT CNL NGT	1833	1966
MWD	1033	1933
SHDT GR	1833	1942
VSP	1007	1923

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	348.0	36	350.0	0.00	LOT
SURF.COND.	20	1025.0	26	1040.0	1.46	LOT
INTERM.	13 3/8	1833.0	17 1/2	1843.0	1.73	LOT
OPEN HOLE		1969.0	12 1/4	1969.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Fløtegrense [Pa]	Type slam	Dato, måling
1039	1.13	47.0		water based	
1842	1.41	49.0		water based	
1925	1.53	47.0		water based	
1954	1.52	43.0		water based	
1969	1.53	48.0		water based	