



Generell informasjon

Brønnbane navn	2/7-12
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	2/7-12
Seismisk lokalisering	
Utvinningstillatelse	018
Boreoperatør	Phillips Petroleum Company Norway
Boretillatelse	208-L
Boreinnretning	DYVI BETA
Boredager	45
Borestart	17.12.1978
Boreslutt	30.01.1979
Frigitt dato	30.01.1981
Publiseringsdato	18.01.2007
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	SHOWS
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	38.0
Vanndybde ved midlere havflate [m]	75.0
Totalt målt dybde (MD) [m RKB]	1832.0
Temperatur ved bunn av brønnbanen [°C]	88
Eldste penetrerte alder	LATE PERMIAN
Eldste penetrerte formasjon	ZECHSTEIN GP
Geodetisk datum	ED50
NS grader	56° 29' 43.76" N
ØV grader	3° 0' 36.37" E
NS UTM [m]	6261367.67
ØV UTM [m]	500622.03
UTM sone	31
NPDID for brønnbanen	271



Brønnhistorie

General

Wildcat well 2/7-12 was drilled on an intrusive salt plug in the upper left corner of the block, some km west of the Ekofisk and Edda fields in the Southern Norwegian North Sea. The salt plug is located in the cross-junction between the four blocks 1/6, 1/9, 2/4, and 2/7. The objective was to establish if Danian - Late Cretaceous carbonates were present on the salt plug. If present the carbonates would be evaluated.

Operations and results

Well 2/7-12 was spudded with the semi-submersible installation Dyvi Beta on 17 December 1978 and drilled to TD at 1832 m in the Late Permian Zechstein Group. The well was drilled with salt-based mud, possibly with some diesel addition according to geochemical analyses, in the interval from 1402 m to TD. Several thin gas charged siltstone stringers were penetrated between 433 m and 835 m.

The salt (Permian Zechstein Group) was encountered at 1686 m. The well did not encounter any Danian -Late Cretaceous carbonates on top of the salt. Oil shows (fluorescence, cut, stain or combinations) were recorded on SWC's and cuttings at 114.5 - 445 m (sandstone), 731 - 810 m (claystone with trace of fine sandstone), and scattered on claystone, shale, and limestone from 1469 m to 1679 m. The resistivity log indicated a probable hydrocarbon zone from 416 to 433 m in a shallow sand. It was not possible to calculate reliable porosity from the sonic log, but a DST confirmed minor amounts of oil.

Ninety sidewall cores were attempted and seventy-one were recovered from the overall interval 1417.3 to 173.7 m. No conventional cores were cut and no wire line fluid samples taken in this well.

The well was permanently abandoned on 30 January 1979 as a dry well with shows.

Testing

One drill stem test was performed through perforations at 416.7 - 425.8 m. The tool was open 22 minutes; shut in one hour and 58 minutes, open 3 hours and shut in 3 hours and 58 minutes. No gas came to surface. Reversed out and recovered approximately 5 barrels of fluid, consisting of 31% sediments, 43% water (2.15 barrels) and 26% oil - oil emulsion (1.3 barrels).

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
341.00	1831.00

Borekaks tilgjengelig for prøvetaking?	NO
--	----

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
110	NORDLAND GP



1382	HORDALAND GP
1679	ROGALAND GP
1686	ZECHSTEIN GP

Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
271_1	pdf	0.79

Dokumenter - eldre Sökkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
271_01_WDSS_General_Information	pdf	0.11

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
271_01_2_7_12_Completion_Report_and_Completion_log	pdf	12.93

Borestrengtester (DST)

Test nummer	Fra dybde MD [m]	Til dybde MD [m]	Reduksjonsven til størrelse [mm]
1.0	417	426	25.4

Test nummer	Endelig avstengningstrykk [MPa]	Endelig strømningstrykk [MPa]	Bunnhullstrykk [MPa]	Borehullstemperatur [°C]
1.0				

Test nummer	Olje produksjon [Sm3/dag]	Gass produksjon [Sm3/dag]	Oljetetthet [g/cm3]	Gasstyngde rel. luft	GOR [m3/m3]
1.0					





Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
DLL MSFL GR SP CAL	1402	1835
FDC CNL GR CAL	1402	1835
HDT	1402	1835
ISF SONIC GR SP	332	1835
VELOCITY	332	1835

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	175.0	36	175.0	0.00	LOT
SURF.COND.	20	335.0	26	341.0	1.63	LOT
INTERM.	13 3/8	1402.0	17 1/2	1412.0	1.66	LOT
OPEN HOLE		1832.0	12 1/4	1832.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
439	1.08	50.0		waterbased	
980	1.28	48.0		waterbased	
1412	1.55	59.0		waterbased	
1746	1.78	59.0		waterbased	
1882	1.78	61.0		waterbased	