



Generell informasjon

Brønnbane navn	2/3-2
Type	EXPLORATION
Formål	APPRAISAL
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Funn	2/3-1 (Løven)
Brønn navn	2/3-2
Seismisk lokalisering	LINE 13.
Utvinningstillatelse	022
Boreoperatør	Norske Murphy Oil Company
Boretillatelse	30-L
Boreinnretning	OCEAN TRAVELER
Boredager	19
Borestart	26.07.1969
Boreslutt	13.08.1969
Frigitt dato	13.08.1971
Publiseringsdato	01.10.2004
Opprinnelig formål	APPRAISAL
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	27.0
Vanndybde ved midlere havflate [m]	58.0
Totalt målt dybde (MD) [m RKB]	2297.0
Temperatur ved bunn av brønnbanen [°C]	76
Eldste penetrerte alder	PALEOCENE
Eldste penetrerte formasjon	VIDAR FM
Geodetisk datum	ED50
NS grader	56° 54' 53.7" N
ØV grader	3° 49' 2.28" E
NS UTM [m]	6308353.44
ØV UTM [m]	549764.26
UTM sone	31
NPDID for brønnbanen	169



Brønnhistorie

General

Well 2/3-2 is located on the Sørvestlandet High north of the Søgne Basin and south of the Åsta Graben. The well was drilled to determine if Oligocene - Miocene reservoirs were developed off the flanks of the 2/3-1 structure and if the hydrocarbon accumulations tested in the 2/3-1 well extended beyond the spill point of the structure. Total depth of the well was planned in Lower Oligocene.

The well is Reference Well for the Vade Formation.

Operations and results

Appraisal well 2/3-2 was spudded with the semi-submersible installation Ocean Traveller on 26 July 1969 and drilled to TD at 2297 m in Paleocene sediments. The water depth at the location is 58 m. The surface hole was drilled to 299 m, to simultaneously run the 30 inch and 20 inch casings. Problems with stuck pipe occurred. High pump pressure and difficulty in washing past 265 m required pulling out of the hole again. It was found that two drill collars and the bit had backed off. A dive was made to determine if the fish was on the ocean floor. It could not be found. The hole was abandoned and repositioned 20 m due east of the original location, for re-spudding. After this no significant problems occurred during drilling. The 36" and 26" holes, down to 211 m were drilled with sea water and returns were to the sea floor. The rest of the well was drilled with a Q-Broxin/Caustic type mud. As in well 2/3-1 bridging caused problems during the logging operations. This was especially evident in the 17 1/2 inch hole, which had to be reamed and circulated. Still it turned out to be impossible to obtain an open hole GR/BHC-Sonic survey.

At 1795 m a sandy sequence, the Vade Formation, was encountered. It was described as two sandstone beds, greenish gray, very fine grained, poorly consolidated, porous and permeable. The sandstone beds were separated by about 15 m of dark brown shale with thin streaks of dolomitic limestone. Below the Vade sand only thin sand beds could be seen between 1859 m and 1935 m, and between 2243 m and 2274 m (Fiskebanken Formation). Gas shows in the form of elevated methane readings were described in clays and thin sandstone beds from 945 m down to 1335 m. The shows most likely originated from in-situ shales. Otherwise no shows were recorded in the well. No full cores were cut and no fluid samples taken in the well.

The well was permanently abandoned as a dry appraisal well on 13 August 1969.

Testing

No drill stem test was performed

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
85	NORDLAND GP
1250	HORDALAND GP
1795	VADE FM
1855	NO FORMAL NAME



2186	ROGALAND GP
2186	BALDER FM
2212	FISKEBANK FM
2290	VIDAR FM

Spleisede logger

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

Dokumenter - eldre Sjøkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
169_01_WDSS_General_Information	pdf	0.18

Dokumenter - Sjøkeldirektoratets publikasjoner

Dokument navn	Dokument format	Dokument størrelse [KB]
169_01_NPD_Paper_No.17_Lithology_Well_2_3_2	pdf	19.10

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
GR	85	544
GR	502	2293
GR SON CAL	211	544
GR SON CAL	1050	2293
IEL	211	2296
MLL CAL	1280	2270
SNP	1249	2270

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	116.0	36	117.0	0.00	LOT
INTERM.	20	212.0	26	245.0	0.00	LOT
INTERM.	13 3/8	1050.0	17 1/2	1080.0	0.00	LOT
OPEN HOLE		2297.0	12 1/4	2297.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
211	1.05	35.0		seawater	
1079	1.25	50.0		seawater	
2298	1.44	55.0		seawater	