



Generell informasjon

Brønnbane navn	2/8-1
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	2/8-1
Seismisk lokalisering	LINE 70 - 17.
Utvinningstillatelse	006
Boreoperatør	Amoco Norway Oil Company
Boretillatelse	7-L
Boreinnretning	DRILLSHIP
Boredager	218
Borestart	28.11.1967
Boreslutt	02.07.1968
Frigitt dato	02.07.1970
Publiseringsdato	18.01.2007
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	OIL SHOWS
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	17.0
Vanndybde ved midlere havflate [m]	69.0
Totalt målt dybde (MD) [m RKB]	2595.0
Totalt vertikalt dybde (TVD) [m RKB]	2594.0
Maks inklinasjon [°]	7.75
Temperatur ved bunn av brønnbanen [°C]	57
Eldste penetrerte alder	EOCENE
Eldste penetrerte formasjon	HORDALAND GP
Geodetisk datum	ED50
NS grader	56° 17' 47.2" N
ØV grader	3° 26' 59.7" E
NS UTM [m]	6239303.15
ØV UTM [m]	527846.41
UTM sone	31
NPDID for brønnbanen	124



Brønnhistorie

General

Well 2/8-1 was the eighth, and at the time the most southerly exploration well to be drilled in Norwegian waters. The geological objective of the well, in this early stage of exploration, was to test all horizons down to the Permian Rotliegendes Group. The well also had as a technical objective to test the use of a large, single hull vessel for drilling in the North Sea.

Operations and results

Well 2/8-1 was spudded with the vessel "Drillship" on 28 November 1967. This was the first drilling operation in Norwegian waters in which a vessel was used. Many problems arose during the drilling of 2/8-1. Repeated failures of the anchor mooring chains at tensions loads of only 10-50 % of their rated breaking occurred. To this, the weather conditions in the North Sea turned out to be more severe than had been predicted. Several storms in the 25 to 30 year category were encountered, and in January a storm that would be expected once every 75-100 years occurred with maximum waves of 15 - 17 m. After this storm the Drillship was in shipyard for repairs and modifications from 19 January to 8 March 1968. Even so, these failures of anchor chains eventually resulted in failure of the BOP stack and 13 3/8" well head after having drilled to 2595 m, and made clear that drilling could not continue safely.

Besides the mooring problems, other difficulties occurred. While testing in the 12 1/4" hole, the Drill Stem Test (DST) - tool dropped into the hole. The hole was reamed and the fish retrieved. The drill pipe stuck twice when making trips, first at 2118 m. The pipe was not recovered and a fish was left from 2007 - 2118 m. A cement plug was set and the hole side tracked. The pipe stuck again at 2237 m and a new fish was left from 2052 to 2237 m. Two cement plugs were set, one in the 13 3/8" casing shoe and one in the casing from 140 m to sea floor. This occurred in connection with the BOP and wellhead break, and the well was abandoned with TD at 2595 m in Eocene sediments. The well was drilled with bentonite and salt gel down to 351 m, and with bentonite / salt gel / lignite / lignosulphonate from 351 m to TD. Diesel was added to the mud from 2023 m to TD.

Non-commercial hydrocarbon shows were encountered at 902 - 927 m in Miocene sand stringers. Due to the early termination of the well the main geological objectives were not reached.

No cores were cut. An attempt to run a wire line Formation Tester at 927 m failed due to poor hole conditions. No logs were run below 2024 m due to severe hole problems.

The well was permanently abandoned on 2 July 1968 as a dry well with shows.

Testing

No drill stem test was performed

Litostratigrafi



Topp Dyb [mMD RKB]	Litostrat. enhet
87	NORDLAND GP
1105	HORDALAND GP

Dokumenter - eldre Sokkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
124 01 WDSS General Information	pdf	0.19

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
124 01 2 8 1 Completion Report	pdf	3.18
124 02 2 8 1 Completion log.1	pdf	1.74
124 2 8 1 plus Correlation charts Valhall wells	pdf	28.99
124 2 8 1 plus Valhall Hod Biostratigraphic Reappraisal and Correlation Study vol 1 of 2 1984	pdf	4.81
124 2 8 1 plus Valhall Hod Biostratigraphic Reappraisal and Correlation Study vol 2 of 2 1984	pdf	12.77

Dokumenter - Sokkeldirektoratets publikasjoner

Dokument navn	Dokument format	Dokument størrelse [KB]
124 01 NPD Paper No.7 Lithology Well 2 8 1	pdf	12.73
124 02 NPD Paper No.7 Interpreted Lithology log Well 2 8 1	pdf	39.33

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
FDC	325	2024
GR	86	325
IES	325	2023





LL-7	325	1923
MLL-C	326	1922
SGR-C	325	2021
SNP	325	1923
VELOCITY	327	2596

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	144.0	36	159.0	0.00	LOT
SURF.COND.	20	327.0	26	351.0	0.00	LOT
INTERM.	13 3/8	1693.0	17 1/2	1701.0	0.00	LOT
OPEN HOLE		2596.0	12 1/4	2596.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
338	0.00			seawater	
609	1.11	50.0		waterbased	
1524	1.20	55.0		waterbased	
2400	1.22	55.0		waterbased	