



Generell informasjon

Brønnbane navn	2/7-1
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Felt	ELDFISK
Funn	2/7-1 Eldfisk
Brønn navn	2/7-1
Seismisk lokalisering	LINE PG-031430 S SP.452
Utvinningstillatelse	018
Boreoperatør	Phillips Petroleum Company Norway
Boretillatelse	42-L
Boreinnretning	OCEAN VIKING
Boredager	131
Borestart	03.08.1970
Boreslutt	11.12.1970
Frigitt dato	11.12.1972
Publiseringsdato	30.09.2015
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	OIL
Funnbrønnbane	YES
1. nivå med hydrokarboner, alder	PALEOCENE
1. nivå med hydrokarboner, formasjon.	EKOFISK FM
Avstand, boredekk - midlere havflate [m]	27.0
Vanndybde ved midlere havflate [m]	71.0
Totalt målt dybde (MD) [m RKB]	4572.0
Maks inklinasjon [°]	8.6
Temperatur ved bunn av brønnbanen [°C]	160
Eldste penetrerte alder	LATE JURASSIC
Eldste penetrerte formasjon	VESTLAND GP
Geodetisk datum	ED50
NS grader	56° 25' 44.68" N
ØV grader	3° 12' 14.21" E
NS UTM [m]	6253994.05



ØV UTM [m]	512579.07
UTM sone	31
NPDID for brønnbanen	179

Brønnhistorie

an lang=EN-GB>General

Well 2/7-1 was drilled on the Eldfisk structure on the Lindesnes Ridge in the North Sea. The primary objective was to test the Late Cretaceous to Paleocene chalk sequence that had proved oil in the Ekofisk structure north of Eldfisk. A secondary objective was to test older Mesozoic sediments

Operations and results

Wildcat well 2/7-1 was spudded with the semi-submersible installation Ocean Viking on 3 August 1970 and drilled to TD at 4573 m in the Vestland Group. The well was drilled with seawater and hi-vis sweeps down to 588 m, with seawater/Drill Aid mud from 588 m to 3102 m, and with seawater/lignosulphonate mud from 3102 m to TD.

Top of the Danian chalk sequence, Ekofisk Formation, is at 2934 m, while top of the Cretaceous chalk, Tor Formation, is at 3014 m. In this first well on the structure, only small amounts of live hydrocarbons were found in the Ekofisk carbonates.

Three cores were cut from 2956.6 to 2987.3 m in the Ekofisk Formation. A fourth core was cut from 3032.8 to 3041.9 m. No fluid sample was taken.

The well was permanently abandoned on 11 December 1970 as an oil discovery

Testing

A drill stem test was performed in the interval 2942 to 2954 m plus 2957 to 2975 m in the Danian chalk (Ekofisk Formation). The flow rate after acidizing was too small to measure. The recovered fluid was composed of 65% oil and 35% water. The oil density was 32.2 °API.

Borekjerter i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	9700.0	9721.0	[ft]
2	9721.0	9751.0	[ft]
3	9751.0	9797.6	[ft]
4	9950.0	9981.0	[ft]

Total kjerneprøve lengde [m]	39.2
Kjerner tilgjengelig for prøvetaking?	YES



Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
98	NORDLAND GP
1681	HORDALAND GP
2820	ROGALAND GP
2820	BALDER FM
2831	SELE FM
2873	LISTA FM
2918	VÅLE FM
2934	SHETLAND GP
2934	EKOFISK FM
3014	TOR FM
3047	HOD FM
3292	BLODØKS FM
3303	HIDRA FM
3423	CROMER KNOLL GP
3423	RØDBY FM
3707	TYNE GP
3707	MANDAL FM
3730	FARSUND FM
4258	VESTLAND GP

Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
179_GCH_1	pdf	2.25
179_GCH_2	pdf	0.36
179_GCH_3	pdf	0.49

Dokumenter - eldre Sökkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
179_01_WDSS_General_Information	pdf	0.17





Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
179 2 7 1 COMPLETION LOG	pdf	2.48
179 2 7 1 COMPLETION REPORT	pdf	18.42

Dokumenter - Sokkeldirektoratets publikasjoner

Dokument navn	Dokument format	Dokument størrelse [KB]
179 01 NPD Paper No.30 Geology of the Eldfisk Area Well 2 7 1	pdf	72.88
179 02 NPD Paper No.32 Late Jurassic-early Tertiary Correlation chart Profile 3 Well 2 7 1	pdf	0.74
179 03 NPD Paper No.30 Early Tertiary-Late Jurassic Correlation chart Eldfisk Well 2 7 1	pdf	0.82

Borestrengtester (DST)

Test nummer	Fra dybde MD [m]	Til dybde MD [m]	Reduksjonsventil størrelse [mm]
1.0	2942	2975	0.0

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]
BHC GR	579	4499
CBL	137	4253





DLL	3088	4264
FDC	2439	4502
GR	137	579
GRN	2896	4268
HDT	3088	4268
IES	579	4502
LL7	2439	3102
ML MLL C	2744	4502
SNP	2439	4502
SRS	579	4499

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	136.0	36	136.0	0.00	
SURF.COND.	20	579.0	26	588.0	0.00	
INTERM.	13 3/8	1592.0	17 1/2	1601.0	0.00	
INTERM.	9 5/8	3088.0	12 1/4	3106.0	0.00	
LINER	7	4267.0	8 1/2	4268.0	0.00	

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
365	1.10			seawater	
609	1.56	47.0		waterbased	
2743	1.71	46.0		waterbased	
3200	1.71	46.0		waterbased	
3657	1.76	48.0		waterbased	
3820	1.88	45.0		waterbased	
4185	1.90	46.0		waterbased	
4572	1.93	45.0		waterbased	