



Generell informasjon

Brønnbane navn	25/4-2
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Felt	TYRVING
Funn	25/4-2 Tyrving
Brønn navn	25/4-2
Seismisk lokalisering	LINE 681 202.
Utvinningstillatelse	036
Boreoperatør	Elf Petroleum Norge AS
Boretillatelse	98-L
Boreinnretning	NEPTUNE 7
Boredager	50
Borestart	18.10.1973
Boreslutt	06.12.1973
Frigitt dato	06.12.1975
Publiseringsdato	15.02.2006
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	OIL
Funnbrønnbane	YES
1. nivå med hydrokarboner, alder	PALEOCENE
1. nivå med hydrokarboner, formasjon.	HEIMDAL FM
Avstand, boredekk - midlere havflate [m]	23.0
Vanndybde ved midlere havflate [m]	121.0
Totalt målt dybde (MD) [m RKB]	2775.0
Temperatur ved bunn av brønnbanen [°C]	57
Eldste penetrerte alder	LATE CRETACEOUS
Eldste penetrerte formasjon	JORSALFARE FM
Geodetisk datum	ED50
NS grader	59° 35' 46.51" N
ØV grader	2° 18' 51.4" E
NS UTM [m]	6606801.58
ØV UTM [m]	461285.45



UTM sone	31
NPDID for brønnbanen	360

Brønnhistorie

General

Well 25/4-2 was drilled ca 6 km ENE of the 25/4-1 Heimdal Discovery well, which encountered 106 m gas-bearing sands gas in the Paleocene Heimdal Formation and several thin sands with gas and oil in the Jurassic and late Triassic. The aim of well 25/4-2 was to explore the Heimdal sand section on a separate closure.

Operations and results

Wildcat well 25/4-2 was spudded with the semi-submersible installation Neptune 7 on 18 October 1973 and drilled to TD at 2775 m in the Late Cretaceous Jorsalfare Formation.

The well penetrated a 405 m thick section with Heimdal Formation sands from 2156.5 m to 2561 m. The reservoir characteristics were quite the same as in well 25/4-1: clean sands with occurrence of only small shale-sand laminae and a few carbonaceous stringers. A nine-meter thick oil column was found from top of the reservoir down to an OWC at 2165.5 m, which was estimated to be 8.5 m higher than in 25/4-1. Other reservoirs were water-wet except a very thin bed of calcareous sand between 2591 and 2597 m (Våle Formation) with some residual oil according to the log interpretation, and where a small methane kick occurred.

One conventional core was cut in the interval 2159 m to 2172 m. Only 2166.6 m to 2167.4 m was recovered. Good shows with bleeding oil was observed on the recovered piece of core. Three Formation Interval Tester samples were taken. FIT 1 and 3 were taken at 2162.5 m. The FIT 1 fluid was transferred under bottom hole pressure for PVT studies. FIT 3 recovered 4.15 litre of oil, 5.75 litre of filtrate + mud and 136 litre of gas. FIT 2 at 2165.8 m produced 9.9 litre of water, filtrate, and mud with some traces of oil.

The well was permanently abandoned on 6 December 1973 and has been classified as a minor oil discovery.

Testing

No drill stem test was performed in the well.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
495.00	2775.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerter i Sokkeldirektoratet



Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	2171.2	2172.0	[m]

Total kjerneprøve lengde [m]	0.8
Kjerner tilgjengelig for prøvetaking?	YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
144	NORDLAND GP
426	UTSIRA FM
912	HORDALAND GP
983	SKADE FM
1014	NO FORMAL NAME
1125	GRID FM
1200	NO FORMAL NAME
2038	ROGALAND GP
2038	BALDER FM
2073	SELE FM
2117	LISTA FM
2157	HEIMDAL FM
2561	VÅLE FM
2723	LISTA FM
2762	SHETLAND GP
2762	JORSALFARE FM

Spleisede logger

Dokument navn	Dokument format	Dokument størrelse [KB]
360	pdf	0.30

Dokumenter - eldre Sokkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
360_01_WDSS_General_Information	pdf	0.26





Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
360_01_25_4_2_Geological_report	pdf	1.64
360_02_25_4_2_Completion_log	pdf	1.25

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CBL	144	2026
DLT BHC GR	2026	2775
FDC CNT GR	2026	2775
GR	144	2026
HDT	2026	2775
IES	468	2032
IES	2026	2775
IES GR CNL	2126	2315
ML MLL	2026	2775
SL BHC	468	2029
VELOCITY	144	2775

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	181.0	36	181.0	0.00	LOT
SURF.COND.	13 3/8	468.0	17 1/2	475.0	0.00	LOT
INTERM.	9 5/8	2026.0	12 1/4	2080.0	0.00	LOT
OPEN HOLE		2775.0	8 1/2	2775.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
181	1.26	70.0	13.0	seawater	
943	1.26	70.0	5.0	seawater	





1512	1.24	45.0	8.0	seawater	
2283	1.26	48.0	4.2	seawater	
2316	1.27	52.0	12.0	seawater	
2775	1.26	52.0	4.0	seawater	

Trykkplott

Porertrykksdataene kommer fra logging i brønnen hvis ingen annen kilde er oppgitt. I noen brønner der trykk ikke er logget, er det brukt informasjon fra formasjonstester eller brønnspark. Trykkdataene er rapportert inn til Oljedirektoratet og videre prosessert og kvalitetssikret av IHS Markit.

Dokument navn	Dokument format	Dokument størrelse [KB]
360 Formation pressure (Formasjonstrykk)	pdf	0.21

