



Generell informasjon

Brønnbane navn	25/3-1
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	25/3-1
Seismisk lokalisering	LINJE EL 8808-115 & SP 210
Utvinningstillatelse	151
Boreoperatør	Elf Petroleum Norge AS
Boretillatelse	613-L
Boreinnretning	WEST VANGUARD
Boredager	63
Borestart	05.07.1989
Boreslutt	05.09.1989
Frigitt dato	05.09.1991
Publiseringsdato	25.06.2005
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	22.0
Vanndybde ved midlere havflate [m]	114.0
Totalt målt dybde (MD) [m RKB]	3922.0
Totalt vertikalt dybde (TVD) [m RKB]	3921.0
Maks inklinasjon [°]	2.8
Temperatur ved bunn av brønnbanen [°C]	138
Eldste penetrerte alder	LATE TRIASSIC
Eldste penetrerte formasjon	STATFJORD GP
Geodetisk datum	ED50
NS grader	59° 55' 52.99" N
ØV grader	2° 46' 21.34" E
NS UTM [m]	6643946.88
ØV UTM [m]	487288.97
UTM sone	31
NPDID for brønnbanen	1419

**Brønnhistorie****General**

Well 25/3-1 was designed to drill a narrow NNW-SSE trending horst structure on the Utsira High. The main objective for the well was to test the hydrocarbon potential of the Middle Jurassic Vestland Group sandstones, and the Lower Jurassic Statfjord Formation sandstones. The site survey indicated two high amplitude events at two different levels west (135 m MSL) and northwest (180 m MSL) of the proposed well location that could indicate shallow gas.

Operations and results

Wildcat well 25/3-1 was spudded with the semi-submersible installation West Vanguard on 4 July 1989 and drilled to TD at 3922 m in Late Triassic sediments of the Statfjord Formation. To assure safe operation in possible shallow gas zones, the interval (198 to 720 m) was drilled as a 17 1/2 " pilot hole before opening to 26" hole. Drilling went on without any serious problems. No shallow gas was encountered.

The Vestland Group reservoir was reached 65 m deeper than expected. The reservoir was thinner than expected, and of relatively bad quality and water bearing. The Statfjord Formation was reached 128 m deeper than expected, and also water bearing. Very weak shows were recorded in two samples from 2165 m and 2170 m in the Balder Formation; otherwise no shows were recorded while drilling. Geochemical source rock screening found very good Type II kerogen (oil) source potential in the Draupne Formation and good Type II-III kerogen (gas + light oil) source potential in the Heather shales and the Vestland Group coals and shales. The well has reached early maturity probably at ca 2700 m, so the Draupne shale is in the very early oil window.

Two cores were cut. Core no 1 was cut from 3112 to 3130 m in the Vestland Group, and no 2 from 3858 to 3876 m in the Statfjord Formation. The RFT tool was run, but due to obstruction in the hole representative pressure points were not obtained. No fluid sample was taken.

The well was permanently abandoned on 5 September 1989 as a dry hole.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
200.00	3922.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerter i Sokkeldirektoratet



Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	3112.0	3129.9	[m]
2	3858.0	3873.9	[m]

Total kjerneprøve lengde [m]	33.7
Kjerner tilgjengelig for prøvetaking?	YES

Kjernebilder



3112-3117m



3117-3122m



3122-3127m



3127-3129m



3858-3863m



3863-3868m



3868-3873m



3873-3874m

Palynologiske preparater i Søkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
1680.0	[m]	DC	RRI
1700.0	[m]	DC	RRI
1720.0	[m]	DC	RRI
1740.0	[m]	DC	RRI
1760.0	[m]	DC	RRI
1780.0	[m]	DC	RRI
1800.0	[m]	DC	RRI
1820.0	[m]	DC	RRI
1840.0	[m]	DC	RRI
1860.0	[m]	DC	RRI
1880.0	[m]	DC	RRI
1900.0	[m]	DC	RRI



1920.0 [m]	DC	RRI
1940.0 [m]	DC	RRI
1960.0 [m]	DC	RRI
1980.0 [m]	DC	RRI
2000.0 [m]	DC	RRI
2020.0 [m]	DC	RRI
2040.0 [m]	DC	RRI
2060.0 [m]	DC	RRI
2080.0 [m]	DC	RRI
2100.0 [m]	DC	RRI
2120.0 [m]	DC	RRI
2140.0 [m]	DC	RRI
2160.0 [m]	DC	RRI
2180.0 [m]	DC	RRI
2200.0 [m]	DC	RRI
2220.0 [m]	DC	RRI
2240.0 [m]	DC	RRI
2260.0 [m]	DC	RRI
2280.0 [m]	DC	RRI
2310.0 [m]	DC	RRI
2330.0 [m]	DC	RRI
2350.0 [m]	DC	RRI
2370.0 [m]	DC	RRI
2390.0 [m]	DC	RRI
2410.0 [m]	DC	RRI
2430.0 [m]	DC	RRI
3112.0 [m]	C	RRI
3116.0 [m]	C	RRI
3119.0 [m]	C	RRI
3126.0 [m]	C	RRI
3128.0 [m]	C	RRI
3325.0 [m]	DC	RRI
3340.0 [m]	DC	RRI

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
136	NORDLAND GP
1036	HORDALAND GP



2127	FRIGG FM
2159	ROGALAND GP
2159	BALDER FM
2253	SELE FM
2314	LISTA FM
2414	VÅLE FM
2470	SHETLAND GP
2836	CROMER KNOLL GP
3016	VIKING GP
3016	DRAUPNE FM
3043	HEATHER FM
3107	VESTLAND GP
3107	HUGIN FM
3120	SLEIPNER FM
3334	DUNLIN GP
3870	STATFJORD GP

Spleisede logger

Dokument navn	Dokument format	Dokument størrelse [KB]
1419	pdf	0.62

Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
1419_1	pdf	2.60

Dokumenter - eldre Sökkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
1419_01 WDSS General Information	pdf	0.24
1419_02 WDSS completion log	pdf	0.22

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)





Dokument navn	Dokument format	Dokument størrelse [KB]
1419 25 3 1 COMPLETION REPORT AND LOG	pdf	15.41

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CBL VDL GR	1750	2990
CBL VDL GR CCL	1360	1984
CDM AP	1998	2970
CDM AP	2997	3918
CDM AP	3100	3918
DIL DDBHC GR AMS SP	703	1998
DIL DDBHC GR AMS SP	1984	2995
DIL GR SLS MSFL AMS	2993	3921
FMS GR	2993	3922
LDL CNL NGS AMS	2993	3922
LDL GR AMS	703	1998
LDL GR AMS	1984	2995
MSD	1998	2970
MWD	199	3922
NGT RATIOS	2993	3922
SHDT GR AMS	1984	2993
STL GR	2003	2985
VELOCITY	707	3921

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	197.0	36	198.0	0.00	LOT
INTERM.	20	703.0	26	720.0	1.33	LOT
INTERM.	13 3/8	1983.0	17 1/2	1998.0	1.66	LOT
INTERM.	9 5/8	2991.0	12 1/4	3005.0	1.93	LOT
OPEN HOLE		3922.0	8 1/2	3922.0	0.00	LOT

Boreslam





Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 16.5.2024 - 16:14

Dybde MD [m]	Egenvekt, slam [g/cm ³]	Viskositet, slam [mPa.s]	Fløytgrense [Pa]	Type slam	Dato, måling
909	1.09	16.0	9.8	WATER BASED	14.07.1989
1243	1.13	19.0	10.7	WATER BASED	14.07.1989
1840	1.20	22.0	11.7	WATER BASED	17.07.1989
1858	1.21	26.0	12.7	WATER BASED	18.07.1989
1948	1.20	23.0	12.2	WATER BASED	19.07.1989
1998	1.20	22.0	12.2	WATER BASED	20.07.1989
3071	1.25	26.0	7.3	WATER BASED	10.08.1989
3118	1.25	31.0	5.8	WATER BASED	11.08.1989
3198	1.25	34.0	12.7	WATER BASED	14.08.1989
3291	1.25	32.0	12.7	WATER BASED	14.08.1989
3353	1.25	30.0	11.7	WATER BASED	14.08.1989
3395	1.25	28.0	11.7	WATER BASED	15.08.1989
3429	1.30	31.0	11.7	WATER BASED	22.08.1989
3456	1.26	30.0	11.7	WATER BASED	16.08.1989
3491	1.30	31.0	13.7	WATER BASED	17.08.1989
3569	1.30	31.0	12.7	WATER BASED	22.08.1989
3719	1.35	33.0	14.7	WATER BASED	22.08.1989
3774	1.35	34.0	13.7	WATER BASED	22.08.1989
3858	1.35	34.0	11.7	WATER BASED	24.08.1989
3858	1.35	34.0	11.7	WATER BASED	24.08.1989
3871	1.45	37.0	12.7	WATER BASED	25.08.1989