Generell informasjon

Brønnbane navn	25/2-15
Type	EXPLORATION
Formål	WILDCAT
Status	SUSPENDED
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	25/2-15
Seismisk lokalisering	FRØY 3D- EL 8891 & COLUMN 636&Row636
Utvinningstillatelse	026
Boreoperatør	Elf Petroleum Norge AS
Boretillatelse	722-L
Boreinnretning	WEST ALPHA
Boredager	61
Borestart	14.11.1992
Boreslutt	13.01.1993
Frigitt dato	13.01.1995
Publiseringsdato	15.02.2006
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	OIL SHOWS
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	18.0
Vanndybde ved midlere havflate [m]	120.0
Totalt målt dybde (MD) [m RKB]	3505.0
Totalt vertikalt dybde (TVD) [m RKB]	3504.0
Maks inklinasjon [°]	3
Eldste penetrerte alder	MIDDLE JURASSIC
Eldste penetrerte formasjon	HEATHER FM
Geodetisk datum	ED50
NS grader	59° 48' 53.54'' N
ØV grader	2° 30' 6.2'' E
NS UTM [m]	6631053.91
ØV UTM [m]	472050.87
UTM sone	31
NPDID for brønnbanen	1938

Brønnhistorie

General

Well 25/2-15 is located in the southern part of block 25/2, and was designed to recognize the petroleum potential of the so-called Jurassic Prospect 1. The main objective of the well was to explore the Middle Jurassic Brent sandstones. An optional objective was Early Jurassic Statfjord sandstones, depending on the petroleum results at the Brent level.

Operations and results

Wildcat well 25/2-15 was spudded with the semi-submersible installation West Alpha on 14 November 1992 and drilled to TD at 3505 m in Middle Jurassic sediments of the Heather Formation.

After drilling to TD at 3505 m in the 12 1/4" section the drill string was hung off with bit at 13 3/8" casing shoe, due to bad weather. A long period of bad weather followed with a total of 170 hours WOW. On 13 January 1993, when reaming up the hole to set 9 5/8" casing, a fire broke out in the port side engine room. As a consequence of this three anchor chains were lost and the rig started to drift. The drill string was sheared and the LMRP was disconnected. All unnecessary personnel were evacuated. The situation was brought under control, but due to the damage occurring in engine room, it was decided to substitute the rig, pull anchors and move the rig to Haugesund fjord. The well was drilled with seawater and hi-vis bentonite sweeps down to 198 m, with bentonite mud from 198 m to 1150 m, and with gypsum polymer mud treated with 5% polyglycerol from 1150 m to 3505 m.

All geological results from the well are given in the 25/2-15 R2 history.

The well was suspended with the drill string fallen in the hole and shear rams closed. The hole was full of 1.27 SG mud. West Alpha left location on 19 January 1993.

Testing

No drill stem test was performed in the well.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
210.00	3505.00

Borekaks tilgjengelig for prøvetaking?	YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
138	NORDLAND GP
427	UTSIRA FM

1059	HORDALAND GP
1318	SKADE FM
1347	NO FORMAL NAME
2180	ROGALAND GP
2180	BALDER FM
2208	HERMOD FM
2377	LISTA FM
2502	TY FM
2583	VÅLE FM
2684	SHETLAND GP
2684	HARDRÅDE FM
2823	KYRRE FM
3189	TRYGGVASON FM
3346	BLODØKS FM
3365	SVARTE FM
3465	VIKING GP
3465	DRAUPNE FM
3471	HEATHER FM

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
1938_25_2_15_COMPLETION_REPORT_AND_LOG	PDF	71.40

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CBL VDL GR	987	2105
DIL BHC LDL GR AMS	1000	2117
DIL SGR LDL CNL AMS	2050	2962
DLL MSFL BHC GR AMS	2050	3109
DLL MSFL GR	3457	3595
FMS SHDT GR	2113	3505
HP RPQS RFT GR	2129	2820
HP RPQS RFT GR	3574	3599
MWD - RGDM	138	3505
SWC GR	2129	2820

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
INTERM.	20	1137.0	26	1137.0	1.60	LOT
INTERM.	13 3/8	2107.0	17 1/2	2107.0	1.50	LOT
INTERM.	9 5/8	3498.0	12 1/4	3498.0	1.72	LOT
OPEN HOLE		3942.0	8 1/2	3942.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
182	1.04			WATER BASED	
198	1.04			WATER BASED	
883	1.08	10.0		WATER BASED	
1150	1.10	10.0		WATER BASED	
2120	1.35	16.0		WATER BASED	
2423	1.14	19.0		WATER BASED	
2767	1.20	28.0		WATER BASED	
2965	1.25	27.0		WATER BASED	
3295	1.27	23.0		WATER BASED	
3492	1.27	23.0		WATER BASED	
3505	1.27	23.0		WATER BASED	