



Generell informasjon

Brønnbane navn	25/2-15 R2
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	25/2-15
Seismisk lokalisering	FRØY 3D-ROW 426 & COLUMN 636
Utvinningstillatelse	026
Boreoperatør	Elf Petroleum Norge AS
Boretillatelse	722-L3
Boreinnretning	WEST VANGUARD
Boredager	37
Borestart	06.03.1993
Boreslutt	11.04.1993
Plugget og forlatt dato	11.04.1993
Frigitt dato	11.04.1995
Publiseringsdato	15.02.2006
Opprinnelig formål	WILDCAT
Gjenåpnet	YES
Årsak til gjenåpning	DRILLING/PLUGGING
Innhold	OIL SHOWS
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	22.0
Vanndybde ved midlere havflate [m]	120.0
Totalt målt dybde (MD) [m RKB]	3942.0
Totalt vertikalt dybde (TVD) [m RKB]	3941.0
Maks inklinasjon [°]	3.7
Temperatur ved bunn av brønnbanen [°C]	125
Eldste penetrerte alder	EARLY JURASSIC
Eldste penetrerte formasjon	DUNLIN GP
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	2116

Brønnhistorie

General

The well 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 Vestland sandstones. An optional objective was Early Jurassic Statfjord sandstones, depending on the petroleum results at the Brent level.

Well 25/2-15 R is a re-entry of well 25/2-15, which was drilled with the semi-submersible installation West Alpha. Due to a fire on the West Alpha installation the well was temporarily abandoned on 13 January 1993, with the drill string in the hole. The 25/2-15 R re-entry retrieved the West Alpha BOP, fished out the lost drill string, performed logging, and set 9 5/8" casing. After that, the hole was again suspended and the installation used, West Vanguard, left to Dusavika for BOP change out. The purpose with the 25/2-15 R2 re-entry was to fulfil the original geological objectives.

Operations and results

Wildcat well 25/2-15 was re-entered for the second time (25/2-15 R2) with the semi-submersible installation West Vanguard on 6 March 1993 and drilled to final TD at 3942 m in the Early Jurassic Dunlin Group. No significant drilling problems were encountered in the borehole. At 3602 m, during coring, a water kick was detected. At TD a discrepancy of 8 m between driller and log depth was recorded, log depth being the deeper.

The Vestland reservoir proved to be water bearing, with residual hydrocarbon shows. Very good shows were observed in Shetland-limestones of Late Campanian - Early Maastrichtian age. However, no RFT pressure measurements/fluid samples were achieved. Both the bio- and lithostratigraphy of the formations in the lowermost part of the well, was initially indistinct. The biostratigraphy study however, made it clear that TD of the well was in a formation belonging to the Dunlin Group, of Late Pliensbachian - Middle Toarcian age. Two cores were cut in the interval 3569 m to 3602 m (3577.5 m to 3610.5 m loggers depth) in the Middle Jurassic Hugin Formation. RFT logging was part of the final logging program of the well and 32 pressure points were taken whereof 11 points provided valid formation pressure. The pressure gradients revealed several pressure regimes in the Vestland Group, with a barrier somewhere between 3700 m to 3808 m (loggers depth) in the Sleipner Formation. Sampling was performed in both runs, however, filtrate filled both chambers in the first run, and a mixture of filtrate and well bore fluid was obtained in the second run.

The well was plugged and permanently abandoned on 11 April 1993 as a well with oil shows.

Testing

No drill stem test was performed in the well.

Borekjerter i Søkeldirektoratet



Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	3569.0	3587.5	[m]
2	3587.5	3601.0	[m]

Total kjerneprøve lengde [m]	32.0
Kjerner tilgjengelig for prøvetaking?	YES

Kjernebilder



3569-3574m



3574-3579m



3579-3584m



3584-3587m



3587-3592m



3592-3597m



3597-3601m

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
142	NORDLAND GP
427	UTSIRA FM
1063	HORDALAND GP
1322	SKADE FM
1351	NO FORMAL NAME
2184	ROGALAND GP
2184	BALDER FM
2212	HERMOD FM
2381	LISTA FM
2506	TY FM
2587	VÅLE FM



2688	SHETLAND GP
2688	HARDRÅDE FM
2827	KYRRE FM
3193	TRYGGVASON FM
3350	BLODØKS FM
3369	SVARTE FM
3469	VIKING GP
3469	DRAUPNE FM
3475	HEATHER FM
3574	VESTLAND GP
3574	HUGIN FM
3611	SLEIPNER FM
3916	DUNLIN GP

Spleisede logger

Dokument navn	Dokument format	Dokument størrelse [KB]
2116	pdf	0.58

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
2116 25 2 15 R2 COMPLETION LOG	PDF	7.71
2116 25 2 15 R2 COMPLETION REPORT	PDF	71.40

Borestrengtester (DST)

Test nummer	Fra dybde MD [m]	Til dybde MD [m]	Reduksjonsven til størrelse [mm]
1.0	3909	3580	0.0

Test nummer	Endelig avstengningstrykk [MPa]	Endelig strømningstrykk [MPa]	Bunnhullstrykk [MPa]	Borehullstemperatur [°C]
1.0	50.000			





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]
CBL VDL GR CCL	2000	3500
CST GR	3526	3935
DIL DSI GR AMS	3030	3948
DLL MSFL BHC GR AMS	3445	3945
FMI GR	3500	3949
GRA LDS APS HNGS	3505	3932
HP RPQS RFT GR	3580	3909
HP RPQS RFT GR	3598	3600
HP RPQS RFT GR	3598	3909
LDL CNL NGL AMS	3505	3949
MWD - RGD	3509	3942
VSP	2540	3940

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]
2116 Formation pressure (Formasjonstrykk)	pdf	0.23

