



Generell informasjon

Brønnbane navn	2/7-24
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	2/7-24
Seismisk lokalisering	PC 88 - 389- SP. 1090
Utvinningstillatelse	018
Boreoperatør	Phillips Petroleum Company Norway
Boretillatelse	653-L
Boreinnretning	ROSS ISLE
Boredager	158
Borestart	07.11.1990
Boreslutt	13.04.1991
Frigitt dato	13.04.1993
Publiseringsdato	03.10.2013
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	22.3
Vanndybde ved midlere havflate [m]	70.0
Totalt målt dybde (MD) [m RKB]	5023.0
Totalt vertikalt dybde (TVD) [m RKB]	4986.0
Maks inklinasjon [°]	20
Temperatur ved bunn av brønnbanen [°C]	130
Eldste penetrerte alder	LATE JURASSIC
Eldste penetrerte formasjon	FARSUND FM
Geodetisk datum	ED50
NS grader	56° 18' 33" N
ØV grader	3° 19' 23.56" E
NS UTM [m]	6240675.20
ØV UTM [m]	519997.70
UTM sone	31
NPDID for brønnbanen	1613



Brønnhistorie

General

Well 2/7-24 was drilled on the west Valhall Prospect, a Late Jurassic structure located in the Fedra Graben on the west side of the Central Trough near the Skrubbe Fault. The main objective was the Eldfisk Formation sandstones, a mass flow deposit located on the east side of the fault. A secondary objective was sandstones associated with a seismic horizon called the Intra Volgian Marker.

Operations and results

Wildcat well 2/7-24 was spudded by the semi submersible rig Ross Isle 7 November 1990 and drilled to TD at 5023 in the Late Jurassic Farsund Formation. No shallow gas was encountered in this well. At ca 3050 m, in the 5 7/8" hole section, the inclination started to increase to a maximum of 20 deg where after the inclination decreased to 12,5 deg at TD. The well was hampered by bad weather, malfunction of BOP, hole problems with loss of mud, and problems with running logging equipment properly. The well was drilled with sea water and hi-vis pills down to 465 m, with ester-based Petrofree mud from 465 m to 3042 m, and with oil based mud from 3042 m to 3388 m. Below 3388 m the mud was switched from oil based to water based in an effort to reduce the mud losses. Water based mud was used down to TD.

The base Cretaceous unconformity was encountered at 3195 m. The well penetrated 122 m of Mandal Formation and continued through 1706 m of Farsund Formation without reaching its base. Hence an 1828 m thick Late Jurassic section was penetrated, a record at the time of drilling. The Late Jurassic lithology was primarily mudstone with subordinate amounts of thinly bedded sandstone and limestone. The primary objective was encountered approximately at 4069 m, 174 m higher than prognosed. No reservoir quality clastic mass flow deposit was present. The well penetrated some thin sandstones in the interval 4352 m to 4520 m, ca 260 m below the Intra Late Jurassic Marker, but they were discontinuous and not of reservoir quality. The core from this section was bleeding gas throughout with dark brown oil bleeding from a sandstone bed in vicinity of a sandstone bed at 4491.2 m. Mudstones.

One conventional core was cut in the Farsund Formation from 4483.9 m to 4504.3 m. A total of 84 sidewall cores were attempted, and 35 cores were recovered. No wire line fluid samples were taken.

The well was permanently abandoned on 13 April 1991 as a dry well.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
466.00	4877.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerne i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	14711.0	14767.2	[ft]

Total kjerneprøve lengde [m]	17.1
Kjerner tilgjengelig for prøvetaking?	YES

Kjernebilder



4483-4488m



4488-4493m



4493-4497m



4497-4500m

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
92	NORDLAND GP
1592	HORDALAND GP
2674	ROGALAND GP
2674	BALDER FM
2681	SELE FM
2709	LISTA FM
2734	SHETLAND GP
2734	TOR FM
2744	HOD FM
2966	BLODØKS FM
2970	HIDRA FM
2994	CROMER KNOLL GP
2994	RØDBY FM
3017	SOLA FM
3081	TUXEN FM



3109	ÅSGARD FM
3195	TYNE GP
3195	MANDAL FM
3317	FARSUND FM

Dokumenter - eldre Sokkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
1613_01_WDSS_General_Information	pdf	0.72
1613_02_WDSS_completion_log	pdf	0.29

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
1613_2_7_24_Completion_log	pdf	2.68
1613_2_7_24_Drilling_report	pdf	26.28
1613_2_7_24_Final_Well_report	pdf	3.35

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
DIL BHC LDL CNL NGL GR AMS	3922	5020
DIL SLS GR CAL AMD	92	1518
DITE LSS CAL GR AMS	3044	3304
DITE SLS GR CAL AMS	1527	3047
DLL GPIT MSFL BHC GR	3922	4567
DLL MSFL BHC GR AMS	3044	3922
FMS GR AMS	3044	3927
LDL CNL GR AMS	1527	3049
LDL CNL NGL AMS	3044	3925
MWD GR	127	1525
OBDT GR AMS	2651	3049
RFT GR	3084	3289
RFT GR	3289	3773
SHDT NGL AMS	3918	4949
VSP	1066	3916
VSP	3886	4937





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	127.0	36	128.0	0.00	LOT
INTERM.	20	458.0	26	464.0	0.00	LOT
INTERM.	13 3/8	1525.0	17 1/2	1531.0	1.93	LOT
INTERM.	9 5/8	3041.0	12 1/4	3044.0	2.09	LOT
LINER	7	3918.0	8 1/2	3923.0	2.15	LOT
OPEN HOLE		5023.0	5 7/8	5023.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	flytegrense [Pa]	Type slam	Dato, måling
343	0.19			WATER BASED	
351	0.19			WATER BASED	
465	1.20	17.0		WATER BASED	
1448	1.37	34.0		WATER BASED	
1532	1.45	37.0		WATER BASED	
1738	1.47	39.0		WATER BASED	
2109	1.67	50.0		WATER BASED	
2565	1.67	39.0		WATER BASED	
2888	1.67	54.0		WATER BASED	
2978	1.70	54.0		WATER BASED	
3049	1.85	55.0		WATER BASED	
3086	1.86	51.0		WATER BASED	
3163	1.88	51.0		WATER BASED	
3193	1.93	55.0		WATER BASED	
3209	1.91	51.0		WATER BASED	
3268	1.91	51.0		WATER BASED	
3271	1.91	54.0		WATER BASED	
3298	1.91	37.0		WATER BASED	
3350	1.99	44.0		WATER BASED	
3351	1.99	45.0		WATER BASED	
3364	1.93	38.0		WATER BASED	
3378	1.93	78.0		WATER BASED	
3388	1.91	52.0		WATER BASED	



Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 12.5.2024 - 23:35

3415	1.93	49.0		WATER BASED	
3424	1.95	40.0		WATER BASED	
3549	1.97	40.0		WATER BASED	
3575	1.97	35.0		WATER BASED	
3640	1.97	22.0		WATER BASED	
3678	1.99	19.0		WATER BASED	
3774	1.99	14.0		WATER BASED	
3857	1.99	16.0		WATER BASED	
3924	2.00	20.0		WATER BASED	
3960	1.93	17.0		WATER BASED	
3970	1.93	17.0		WATER BASED	
4016	1.93	19.0		WATER BASED	
4078	1.93	19.0		WATER BASED	
4138	1.93	20.0		WATER BASED	
4216	1.93	19.0		WATER BASED	
4270	1.93	19.0		WATER BASED	
4293	1.93	18.0		WATER BASED	
4401	1.93	18.0		WATER BASED	
4501	1.93	22.0		WATER BASED	
4505	1.93	19.0		WATER BASED	
4558	1.93	19.0		WATER BASED	
4606	1.93	19.0		WATER BASED	
4668	1.95	19.0		WATER BASED	
4706	1.95	22.0		WATER BASED	
4729	1.95	20.0		WATER BASED	
4818	1.95	19.0		WATER BASED	
4866	1.95	21.0		WATER BASED	
4888	1.97	20.0		WATER BASED	
4937	1.95	20.0		WATER BASED	
4979	1.97	21.0		WATER BASED	
5023	1.74	14.0		WATER BASED	