



Generell informasjon

Brønnbane navn	25/11-14 S
Type	EXPLORATION
Formål	APPRAISAL
Status	SUSPENDED
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Felt	BALDER
Funn	25/11-1 Balder
Brønn navn	25/11-14
Seismisk lokalisering	B88S - 320 SP. 541
Utvinningstillatelse	001
Boreoperatør	Esso Exploration and Production Norway A/S
Boretillatelse	648-L
Boreinnretning	BYFORD DOLPHIN
Boredager	31
Borestart	13.09.1990
Boreslutt	13.10.1990
Plugget dato	13.10.1990
Frigitt dato	13.10.1992
Publiseringsdato	17.06.2011
Opprinnelig formål	APPRAISAL
Gjenåpnet	NO
Innhold	OIL
Funnbrønnbane	NO
1. nivå med hydrokarboner, alder	PALEOCENE
1. nivå med hydrokarboner, formasjon.	HEIMDAL FM
Avstand, boredekk - midlere havflate [m]	25.0
Vanndybde ved midlere havflate [m]	127.0
Totalt målt dybde (MD) [m RKB]	1908.0
Totalt vertikalt dybde (TVD) [m RKB]	1749.0
Maks inklinasjon [°]	44.4
Temperatur ved bunn av brønnbanen [°C]	85
Eldste penetrerte alder	PALEOCENE
Eldste penetrerte formasjon	HEIMDAL FM



Geodetisk datum	ED50
NS grader	59° 11' 17.31" N
ØV grader	2° 22' 11.64" E
NS UTM [m]	6561323.70
ØV UTM [m]	463995.53
UTM sone	31
NPDID for brønnbanen	1672

Brønnhistorie

General

Well 25/11-14 S was drilled centrally on the Balder Field on the Utsira High in the North Sea. This field was discovered in 1967 by the 25/11-1 well, and was the first well on the Norwegian shelf that proved oil. Well 25/11-14 S was planned to be completed for a long term test by the FPV Petrojarl 1. The well was planned deviated in order to avoid possible shallow gas at 235 m, 254 m, and 515 m. The main objective of this well was to test two Paleocene Heimdal Formation sands; the IB4 sand at 1863 m and the IB3 sand at 1897 m. The Heimdal Formation had previously proved oil-bearing in the three neighbouring wells 25/11-6, -7, and -8. Eocene sands constituted a secondary objective for testing. Based on data from surrounding wells, no abnormal pressure was expected. The surface location and well trajectory for this well, was designed so that a later plug-back and sidetrack to a horizontal completion could be accomplished.

Operations and results

Appraisal well 25/11-14 S was spudded with the semi-submersible installation Byford Dolphin on 13 September 1990. During setting of the 30" casing a fatal accident occurred as one of the roughnecks was hit by the rig tongs and perished on the drilling floor. A 9 7/8" pilot was drilled with MWD from 189 m to check possible shallow gas. Sands were detected, but they contained salt water only. The planned deviation was initiated at 950 m. While POOH for coring the Heimdal Formation sand, the pipe became stuck (packed off by sloughing shales) and the well bore abandoned at a TD of 1908 m (1749 m TVD), 5 m into the target Heimdal Formation. The well was drilled with seawater down to 452 m and with KCl/polymer/gel mud from 452 m to TD.

The secondary target Eocene sands were not present. The IB3 sand came in at 1903 m (1746 m TVD RKB), but no wire line logs were run and no test performed due to stuck pipe. Strong shows in mud and cuttings were observed when entering the formation.

Five cores were cut in the prognosed IB4 sand in the interval 1859 to 1886 m. The cores recovered predominantly claystone with only thin stringers of sandstone, proving that the IB4 sand was in fact not present in the well. The sandstone stringers had good oil shows.

Since the well did not fulfil its main objective it was decided to make a sidetrack. The well bore below the 13 3/8" casing shoe was thus plugged back and abandoned on 13 October 1990 and a sidetrack (classified as a re-entry) was prepared.

Testing

No drill stem test was performed



Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
480.00	2080.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerter i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	1862.0	1864.0	[m]
2	1864.0	1868.0	[m]
3	1868.0	1876.5	[m]
4	1876.5	1883.0	[m]
5	1883.3	1883.8	[m]

Total kjerneprøve lengde [m]	21.6
Kjerter tilgjengelig for prøvetaking?	YES

Kjernebilder



2010-2014m



2014-2018m



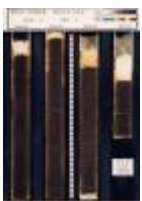
2018-2020m



2020-2024m



2024-2028m



2028-2032m



2032-2036m



2036-2037m



2038-2042m



2042-2045m



2046-2049m



2050-2054m



2054-2058m



2058-2062m



2062-2064m



2064-2068m



2068-2070m



1882-1883m

Oljeprøver i Sökkeldirektoratet

Test type	Flaske nummer	Topp dyp MD [m]	Bunn dyp MD [m]	Væske type	Test tidspunkt	Prøver tilgjengelig
DST	TEST1	1992.20	2015.20		23.11.1990 - 21:45	YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
152	NORDLAND GP
600	UTSIRA FM
729	NO FORMAL NAME
748	HORDALAND GP
748	SKADE FM
918	NO FORMAL NAME
1059	NO FORMAL NAME
1112	NO FORMAL NAME
1762	ROGALAND GP
1762	BALDER FM
1834	SELE FM
1859	LISTA FM
1903	HEIMDAL FM



Dokumenter - eldre Sokkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
1672_01_WDSS_General_Information	pdf	0.24
1672_02_WDSS_completion_log	pdf	0.13

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
1672_25_11_14_S_Completion_Log	pdf	1.14
1672_25_11_14_S_Completion_report_1	pdf	25.91
1672_25_11_14_S_Completion_report_2	pdf	39.30

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
MWD	187	1908

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	187.0	36	190.0	0.00	LOT
INTERM.	20	452.0	26	454.0	1.72	LOT
INTERM.	13 3/8	1564.0	17 1/2	1570.0	1.73	LOT
INTERM.	9 5/8	2068.0	12 1/4	2070.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	flytegrense [Pa]	Type slam	Dato, måling
744	1.16	18.0	8.6	WATER BASED	27.09.1990
950	1.18	18.0	7.2	WATER BASED	28.09.1990
1196	1.16	15.0	6.7	WATER BASED	01.10.1990
1254	1.18	18.0	10.5	WATER BASED	01.10.1990





Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 20.5.2024 - 01:45

1433	1.16	19.0	8.1	WATER BASED	01.10.1990
1572	1.50	20.0	9.6	WATER BASED	22.10.1990
1576	1.18	17.0	8.1	WATER BASED	03.10.1990
1576	1.18	18.0	9.1	WATER BASED	04.10.1990
1576	1.16	18.0	9.6	WATER BASED	02.10.1990
1576	1.16	18.0	9.6	WATER BASED	02.01.1991
1640	1.20	16.0	9.6	WATER BASED	05.10.1990
1795	1.50	25.0	14.4	WATER BASED	22.10.1990
1859	1.26	24.0	13.9	WATER BASED	08.10.1990
1869	1.26	20.0	13.4	WATER BASED	08.10.1990
1881	1.26	23.0	14.4	WATER BASED	08.10.1990
1886	1.26	21.0	13.9	WATER BASED	09.10.1990
1908	1.26	23.0	14.8	WATER BASED	10.10.1990
1908	1.26	21.0	13.8	WATER BASED	11.10.1990
1908	1.26	17.0	11.9	WATER BASED	12.10.1990
1908	1.26	20.0	12.0	WATER BASED	15.10.1990
1908	1.26	20.0	12.0	WATER BASED	15.10.1990
1908	1.26	17.0	9.6	WATER BASED	15.10.1990
1908	1.26	19.0	10.5	WATER BASED	18.10.1990
1908	1.26	19.0	10.5	WATER BASED	18.10.1990
1908	1.26	19.0	10.5	WATER BASED	16.10.1990
1908	1.26	19.0	10.5	WATER BASED	22.10.1990
1913	1.50	26.0	13.0	WATER BASED	22.10.1990
2002	1.50	28.0	13.9	WATER BASED	23.10.1990
2010	1.50	25.0	13.4	WATER BASED	24.10.1990
2010	1.50	27.0	14.4	WATER BASED	25.10.1990
2027	1.50	26.0	13.4	WATER BASED	26.10.1990
2035	1.50	27.0	14.8	WATER BASED	29.10.1990
2065	1.07			WATER BASED	12.11.1990
2065	1.08			WATER BASED	12.11.1990
2066	1.07			WATER BASED	12.11.1990
2066	1.14			WATER BASED	13.11.1990
2066	1.12			WATER BASED	14.11.1990
2066	1.12			WATER BASED	19.11.1990
2066	1.12			WATER BASED	19.11.1990
2066	1.12			WATER BASED	20.11.1990
2066	1.12			WATER BASED	22.11.1990
2066	1.12			WATER BASED	23.11.1990
2066	1.12			WATER BASED	26.11.1990
2066	1.12			WATER BASED	26.11.1990



2066	1.12			WATER BASED	26.11.1990
2066	1.12			WATER BASED	27.11.1990
2066	1.06			WATER BASED	28.11.1990
2066	1.06			WATER BASED	29.11.1990
2066	1.06			WATER BASED	03.12.1990
2066	1.06			WATER BASED	03.12.1990
2066	1.06			WATER BASED	04.12.1990
2066	1.06			WATER BASED	10.12.1990
2066	1.04			WATER BASED	10.12.1990
2066	1.04			WATER BASED	10.12.1990
2066	1.04			WATER BASED	12.12.1990
2066	1.04			WATER BASED	14.12.1990
2066	1.05			WATER BASED	17.12.1990
2066	1.05			WATER BASED	17.12.1990
2066	1.05			WATER BASED	18.12.1990
2066	1.05			WATER BASED	19.12.1990
2066	1.05			WATER BASED	21.12.1990
2066	1.04			WATER BASED	27.12.1990
2066	1.04			WATER BASED	27.12.1990
2066	1.04			WATER BASED	27.12.1990
2066	1.04			WATER BASED	28.12.1990
2066	1.04			WATER BASED	28.12.1990
2066	1.04			WATER BASED	28.12.1990
2066	1.04			WATER BASED	31.12.1990
2066	1.04			WATER BASED	31.12.1990
2066	1.12			WATER BASED	15.11.1990
2066	1.12			WATER BASED	16.11.1990
2066	1.12			WATER BASED	19.11.1990
2066	1.12			WATER BASED	21.11.1990
2066	1.06			WATER BASED	30.11.1990
2066	1.06			WATER BASED	03.12.1990
2066	1.06			WATER BASED	05.12.1990
2066	1.04			WATER BASED	10.12.1990
2066	1.04			WATER BASED	12.12.1990
2066	1.04			WATER BASED	14.12.1990
2066	1.05			WATER BASED	17.12.1990
2066	1.05			WATER BASED	20.12.1990
2066	1.04			WATER BASED	27.12.1990
2066	1.04			WATER BASED	31.12.1990
2066	1.04			WATER BASED	02.01.1991



2066	1.04			WATER BASED	03.01.1991
2066	1.04			WATER BASED	04.01.1991
2066	1.04			WATER BASED	07.01.1991
2066	1.04			WATER BASED	07.01.1991
2066	1.04			WATER BASED	07.01.1991
2070	1.50	27.0	14.8	WATER BASED	29.10.1990
2070	1.50	27.0	14.4	WATER BASED	30.10.1990
2070	1.50	26.0	13.4	WATER BASED	31.10.1990
2070	1.50	26.0	12.0	WATER BASED	01.11.1990
2081	1.50	26.0	14.8	WATER BASED	02.11.1990
2081	1.50	23.0	14.4	WATER BASED	05.11.1990
2081	1.50	23.0	11.0	WATER BASED	05.11.1990
2081	1.50	21.0	13.4	WATER BASED	07.11.1990
2081	1.50	19.0	13.0	WATER BASED	08.11.1990
2081	1.50	22.0	13.0	WATER BASED	09.11.1990
2081	1.50	21.0	12.9	WATER BASED	05.11.1990
2081	1.50	24.0	16.7	WATER BASED	07.11.1990