



Generell informasjon

Brønnbane navn	25/10-1 R
Type	EXPLORATION
Formål	APPRAISAL
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Felt	BALDER
Funn	25/11-1 Balder
Brønn navn	25/10-1
Seismisk lokalisering	LINE SC 70-shotpoint 136
Utvinningstillatelse	028
Boreoperatør	Esso Exploration and Production Norway A/S
Boretillatelse	32-L2
Boreinnretning	GLOMAR GRAND ISLE
Boredager	27
Borestart	09.07.1970
Boreslutt	03.08.1970
Plugget og forlatt dato	03.08.1970
Frigitt dato	03.08.1972
Publiseringsdato	26.05.2009
Opprinnelig formål	WILDCAT
Gjenåpnet	YES
Årsak til gjenåpning	DRILLING/PLUGGING
Innhold	SHOWS
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	10.0
Vanndybde ved midlere havflate [m]	124.0
Totalt målt dybde (MD) [m RKB]	2091.0
Totalt vertikalt dybde (TVD) [m RKB]	2091.0
Maks inklinasjon [°]	6
Temperatur ved bunn av brønnbanen [°C]	76
Eldste penetrerte alder	EARLY JURASSIC
Eldste penetrerte formasjon	STATFJORD GP
Geodetisk datum	ED50
NS grader	59° 11' 21.72" N



ØV grader	2° 19' 11.83" E
NS UTM [m]	6561488.14
ØV UTM [m]	461142.95
UTM sone	31
NPDID for brønnbanen	512

Brønnhistorie

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General

Well 25/10-1 R is a re-entry of well 25/10-1, which found strong shows in thin Early Eocene sands, but was suspended at top Paleocene level due to heavy autumn storms. The purpose of the re-entry was to test the Early Eocene sands and to extend the well into deeper Paleocene sands, which were anticipated to be oil-bearing.

Operations and results

Appraisal well 25/10-1 was re-entered (25/10-1 R) with the vessel Glomar Grand Isle on 9 July 1970. The re-entry well was kicked off at 1664 m in 25/10-1 and drilled to final TD at 2091 m in the Early Jurassic Statfjord Formation. No significant problems were encountered in the operations. The well was drilled with seawater/spersene XP-20, Splinex mud from kick-off to TD.

From kick-off down to 1747 m the well drilled the same lithology as the primary well. The underlying Paleocene section was composed of sands and shales, with the sand bed thicknesses ranging from about 4 to 40 m. These Paleocene sands were highly porous and permeable, but only the top 5 m had good oil shows and this section produced water only on wire line formation test. The Paleocene section rested directly on the Early Jurassic Statfjord Formation. Sands within the Statfjord Formation were of reservoir quality, but were water-wet with only streaks of non-fluorescing dead oil.

The section from 1731 to 1804.1 m was cored all through in five cores, with near 100% total recovery. The upper two of these (core #9 and #10) were partially overlapping with the lower three cores (core #6, #7, and #8) in well 25/10-1. A total of twelve wire line FIT samples were attempted and five of them were reported to contain formation fluid. FIT no 1 and 2 were taken in the Paleocene sands (Heimdal Formation) at 1789.2 m and 1778.2 m. These recovered only water and mud. The remaining successful FIT recovered hydrocarbons: FIT no 4 at 1760.8 m (Heimdal Formation) recovered gas and 4800 cm³ oil, FIT no 6 at 1762.4 m (Heimdal Formation) recovered gas and 8250 cm³ oil, while FIT no 7 at 1701.4 m (Balder Formation) recovered about 1000 cm³ oil and oil-cut mud.

The well was permanently abandoned on 3 August 1970. It is classified as a well with shows.

Testing

No drill stem test was performed.

Borekjerne i Sokkeldirektoratet



Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	5480.0	5517.0	[ft]
2	5517.0	5549.0	[ft]
3	5550.0	5605.0	[ft]
4	5605.0	5645.0	[ft]
5	5645.0	5688.0	[ft]
6	5688.0	5705.0	[ft]
7	5705.0	5719.0	[ft]
8	5719.0	5733.0	[ft]
9	5680.0	5714.0	[ft]
10	5725.0	5756.0	[ft]
11	5767.0	5797.0	[ft]
12	5799.0	5859.0	[ft]
13	5859.0	5919.0	[ft]

Total kjerneprøve lengde [m]	142.3
Kjerner tilgjengelig for prøvetaking?	YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
134	NORDLAND GP
555	UTSIRA FM
675	NO FORMAL NAME
733	HORDALAND GP
733	SKADE FM
1045	NO FORMAL NAME
1192	NO FORMAL NAME
1247	NO FORMAL NAME
1682	ROGALAND GP
1682	BALDER FM
1699	INTRA BALDER FM SS
1705	BALDER FM
1717	SELE FM
1730	HERMOD FM
1745	SELE FM
1756	HERMOD FM



1762	SELE FM
1763	LISTA FM
1775	HEIMDAL FM
1800	LISTA FM
1804	HEIMDAL FM
1844	LISTA FM
1859	HEIMDAL FM
1901	LISTA FM
1911	HEIMDAL FM
1916	LISTA FM
1928	HEIMDAL FM
1932	LISTA FM
1960	SHETLAND GP
1960	EKOFISK FM
1963	STATEJORD GP

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
DIP	1645	2090
FDC	1369	2090
IEL	1645	2090
MLL CAL	1369	2090
SON BHC GR	1368	2090

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
OPEN HOLE		2092.0	8 1/2	2092.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	flytegrense [Pa]	Type slam	Dato, måling
2092	0.00			spersen/wat	