



Generell informasjon

Brønnbane navn	25/8-5 SR
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Felt	JOTUN
Funn	25/8-5 S Jotun
Brønn navn	25/8-5
Seismisk lokalisering	ESD-511 SP 162.93 / ESD-107 SP 198.56
Utvinningstillatelse	027 P
Boreoperatør	Esso Exploration and Production Norway A/S
Boretillatelse	793-L2
Boreinnretning	STENA DEE
Boredager	8
Borestart	27.07.1997
Boreslutt	03.08.1997
Plugget og forlatt dato	03.08.1997
Frigitt dato	03.08.1999
Publiseringsdato	29.08.2003
Opprinnelig formål	WILDCAT
Gjenåpnet	YES
Årsak til gjenåpning	PLUGGING
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]	128.0
Totalt målt dybde (MD) [m RKB]	3395.0
Totalt vertikalt dybde (TVD) [m RKB]	2912.6
Maks inklinasjon [°]	56.6
Temperatur ved bunn av brønnbanen [°C]	92
Eldste penetrerte alder	LATE TRIASSIC



Eldste penetrerte formasjon	SMITH BANK FM
Geodetisk datum	ED50
NS grader	59° 27' 27.1" N
ØV grader	2° 21' 52.15" E
NS UTM [m]	6591324.83
ØV UTM [m]	463972.36
UTM sone	31
NPDID for brønnbanen	3192

Brønnhistorie

General

The main objective of Well 25/8-5 S was to test the presence of hydrocarbons in both the lower Jurassic Statfjord Formation and in the Paleocene Heimdal Formation in the Elli Prospect. The well was to be drilled as a directional well in order to penetrate the two objectives.

Operations and results

Exploration well 25/8-5 S was spudded with the semi-submersible installation "Dyvi Stena" on 21 July 1994 and was drilled as a deviated well to a total depth of 3395 m (3040.7 m TVD RKB / 2887.7 m TVD SS), 57 m into late Triassic (Rhaetian) sediments of the Smith Bank Formation. The well was drilled vertical down to 1204 m before starting to build angle. It was drilled with seawater and hi-vis pills down to 1215 m and with KCl / polymer / PAC / Glycol from 1215 m to TD.

Top Heimdal Formation was penetrated at 2112.6 m (2050 m TVD SS) at an inclination of 33 degrees and an azimuth of 171 degrees and was found to contain oil. The oil-water contact was estimated at 2158 m (2087 m TVD SS). The well found sands of the Vestland Group at 2836 m (2570 m TVD SS) water-wet and the second objective, Statfjord Formation at 3040 m & (2687.3 m TVD SS) water-wet. The inclination at top Statfjord was 53.6 degrees and azimuth 163.5 degrees. Top Triassic was correlated to be at 3338 (2855.3 m TVD SS). The inclination was 55.2 degrees and azimuth 163.3 degrees at TD. The well was logged with LWD from 270 m to TD. The LWD included GR-Dual Resistivity and Compensated Density/Neutron. Wire line logs were run from 1170 m - 2291 m. Due to difficult hole conditions, it was not possible to run wire line logs below 2423 m. One core was cut in the Heimdal Formation from 2136 m to 2150 m and one core was cut in the Statfjord Formation from 3052 m to 3061 m. A FMT fluid sample was taken at 2133.6 (2067 m TVD SS) m in the Heimdal Formation. The well was suspended on 22 September as an oil discovery (Jotun). It was re-entered (25/8-5 S R) on 27 July 1997 for plugging and permanent abandonment. Permanent abandonment was completed on 3 August 1997.

Testing

The well was successfully tested in the Heimdal Formation, 2118 - 2149 m and flowed 1073 Sm³/day of 37° API oil through a 128/64 inch choke. The GOR was 38 Sm³/Sm³. No sand or water was produced.

Litostratigrafi



Topp Dyb [mMD RKB]	Litostrat. enhet
151	NORDLAND GP
448	UTSIRA FM
608	NO FORMAL NAME
654	HORDALAND GP
654	SKADE FM
1000	NO FORMAL NAME
1247	GRID FM
1303	NO FORMAL NAME
1950	ROGALAND GP
1950	BALDER FM
2008	SELE FM
2068	LISTA FM
2113	HEIMDAL FM
2420	LISTA FM
2529	TY FM
2600	SHETLAND GP
2600	TOR FM
2780	CROMER KNOLL GP
2780	ÅSGARD FM
2795	VIKING GP
2795	DRAUPNE FM
2822	HEATHER FM
2836	VESTLAND GP
2836	HUGIN FM
2878	SLEIPNER FM
2922	DUNLIN GP
2922	AMUNDSEN FM
3040	STATFJORD GP
3338	NO GROUP DEFINED
3338	SMITH BANK FM

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
180	1.02			DUMMY	
1137	1.50	16.0		DUMMY	
2064	1.50	18.0		DUMMY	



2108	1.50	16.0		DUMMY	
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