

**General information**

Wellbore name	25/1-7 R4
Type	EXPLORATION
Purpose	APPRAISAL
Status	P&A
Factmaps in new window	link to map
Main area	NORTH SEA
Field	FRIGG
Discovery	25/1-1 Frigg
Well name	25/1-7
Seismic location	73/0205 SP.660 AND 73/F11 SP.57.5
Production licence	024
Drilling operator	Elf Petroleum Norge AS
Drill permit	455-L5
Drilling facility	WEST VANGUARD
Drilling days	9
Entered date	28.03.1990
Completed date	05.04.1990
Plugged and abandon date	05.04.1990
Release date	05.04.1992
Publication date	10.01.2010
Purpose - planned	APPRAISAL
Reentry	YES
Reentry activity	PLUGGING
Content	GAS
Discovery wellbore	NO
1st level with HC, age	EOCENE
1st level with HC, formation	FRIGG FM
Kelly bushing elevation [m]	22.0
Water depth [m]	101.0
Total depth (MD) [m RKB]	2716.0
Final vertical depth (TVD) [m RKB]	2715.0
Maximum inclination [°]	3.7
Oldest penetrated age	LATE CRETACEOUS
Oldest penetrated formation	JORSALFARE FM
Geodetic datum	ED50
NS degrees	59° 55' 8.28" N
EW degrees	2° 4' 52.33" E
NS UTM [m]	6642898.34



EW UTM [m]	448624.87
UTM zone	31
NPDID wellbore	1534

Wellbore history

General

Well 25/1-7 was drilled on the main Frigg structure close to the UK border. The Frigg Field was discovered by well 25/1-1 in 1971. Production from the field started in 1977. A main objective of well 25/1-7 was to establish a reference monitoring station for the production of gas from the Frigg Field. The 25/1-7 R4 was the fourth and last re-entry of the well. The purpose was to log the fluid contacts, and to perform permanent plugging and abandonment.

Operations and results

Appraisal well 25/1-7 R4 was connected and re-entered with the semi-submersible installation West Vanguard on 28 March 1990.

The well was logged (2054.5 - 1913 m) through casing with a Thermal Neutron Decay (TDT) log to determine the fluid contacts. The gas/water contact was found at 1912.2 m MSL, an 8.0 m rise of the water level since April 1989, and a 35.8 m total rise compared to the Frigg pre-production gas/oil contact in the area. A cased hole RFT run was also performed, and the pressure was measured at 1897.2 m, 1919.2 m, 1932.2 m, and at 1961.2 m.

The well was permanently abandoned on 5 April 1990 as a gas appraisal well.

Testing

No drill stem test was performed.

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
123	NORDLAND GP
743	HORDALAND GP
1916	FRIGG FM
2177	ROGALAND GP
2177	BALDER FM
2182	INTRA BALDER FM SS
2212	BALDER FM
2287	HERMOD FM
2436	LISTA FM
2677	VÅLE FM
2707	SHETLAND GP

2707 [JORSALFARE FM](#)**Logs**

Log type	Log top depth [m]	Log bottom depth [m]
TDT GR	1913	2964