

**General information**

Wellbore name	25/1-7 R2
Type	EXPLORATION
Purpose	APPRAISAL
Status	SUSPENDED
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-L3
Drilling facility	WEST VANGUARD
Drilling days	4
Entered date	07.05.1988
Completed date	10.05.1988
Release date	10.05.1990
Publication date	10.01.2010
Purpose - planned	APPRAISAL
Reentry	YES
Reentry activity	LOGGING
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	1279

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 objective of the re-entry 25/1-7 R2 was to record the fluid contacts.

Operations and results

Semi-submersible installation West Vanguard arrived the 25/1-7 location on 3 May 1988. Three days were spent on repairing damage on the ROV and clearing off fishing net that was entangled in a rail nearby the well head. Appraisal well 25/1-7 R2 was connected and re-entered on 7 May 1988.

The well was logged (2050 - 1910 m) through casing with a Thermal Neutron Decay (TDT) log to determine the fluid contacts. The contacts found were: base of gas at 1925.4 m MSL, and top of highest water at 1930.2 MSL. No oil leg was observed. From this it was concluded: 1) the gas liquid contact has risen 1.8-3.6 m since 14 February 1987, and 22.6 m since pre-production level (1948.0 m MSL reference). This, compared with 11 m rise in the period 19 April 1985 to 14 February 1987, shows that the water rise is temporarily blocked by shale barriers; 2) The vertical sweep efficiency by water is 100%, which means that all gas-filled sands behind the front are swept.

The well was suspended on 10 May 1988 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