General information

Wellbore name	25/1-8 SR
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	25/1-8
Seismic location	L 73-59-54 SP.1105
Production licence	024
Drilling operator	Elf Petroleum Norge AS
Drill permit	466-L2
Drilling facility	NORTRYM
Drilling days	5
Entered date	14.02.1987
Completed date	18.02.1987
Release date	18.02.1989
Publication date	30.09.2011
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]	25.0
Water depth [m]	102.0
Total depth (MD) [m RKB]	2650.0
Final vertical depth (TVD) [m RKB]	2572.0
Oldest penetrated age	PALEOCENE
Oldest penetrated formation	LISTA FM
Geodetic datum	ED50
NS degrees	59° 54' 3.28'' N
EW degrees	2° 6' 9.79'' E
NS UTM [m]	6640871.09
EW UTM [m]	449800.69
UTM zone	31
NPDID wellbore	1030

Wellbore history

General

The Frigg Field was discovered by well 25/1-1 in 1971 and set in production in May 1977. Well 25/1-8 S was drilled in the summer of 1985 to monitor changes in gas/fluid contact, uncover permeability barriers and pressure gradients in the Frigg Formation, refine the geological model, and provide ties for seismic interpretations. Before production started the Frigg Field fluid contacts were: OWC = 1955.9 m TVD MSL and GOC = 1948.2 m TVD MSL. In July 1985 in 25/1-8 S found the oil-leg to be all swept with the exception of a very thin oil-layer lifted to 1903.5 m TVD MSL, 2 m below the new gas/liquid contact, which was now a gas/water contact (GWC) at 1901.3 m TVD MSL. The objective of the re-entry well 25/1-8 SR was to monitor further changes in the GWC.

Operations and results

Appraisal well 25/1-8 S was re-entered (25/1-8 SR) with the semi-submersible installation Nortrym on 14 February 1987.

The GWC was found at 1898.3 m TVD MSL, only 3.2 m higher than in July 1985. The slow water rise was attributed to a thin shale layer that acted as a barrier for effective drainage.

No cores were cut and no wire line fluid samples were taken.

The well was suspended on 18 February 1987 for later re-entry and monitoring of the reservoir parameters. It is classified as a gas appraisal well.

Testing

No drill stem test was performed.

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
127	NORDLAND GP
735	HORDALAND GP
1930	FRIGG FM
2232	ROGALAND GP
2232	BALDER FM
2237	INTRA BALDER FM SS
2250	BALDER FM
2329	HERMOD FM
2532	LISTA FM

Documents - reported by the production licence (period for duty of secrecy expired)

Document name	Document format	Document size [MB]
1030_25_1_8_SR_Completion_report	pdf	2.19

Logs

Log type	Log top depth [m]	Log bottom depth [m]
TDT-M	1910	2142

Casing and leak-off tests

Casing type	Casing diam. [inch]	Casing depth [m]	Hole diam. [inch]	Hole depth [m]	LOT/FIT mud eqv. [g/cm3]	Formation test type
LINER	7	2201.0	8 1/2	2201.0	0.00	LOT