

**General information**

Wellbore name	31/2-1 R
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Factmaps in new window	link to map
Main area	NORTH SEA
Field	TROLL
Discovery	31/2-1 (Troll Vest)
Well name	31/2-1
Seismic location	77-6046 SP.461
Production licence	054
Drilling operator	A/S Norske Shell
Drill permit	219-L2
Drilling facility	BORGNY DOLPHIN
Drilling days	15
Entered date	26.10.1981
Completed date	09.11.1981
Plugged and abandon date	09.11.1981
Release date	09.11.1983
Publication date	23.05.2006
Purpose - planned	WILDCAT
Reentry	YES
Reentry activity	PLUGGING
Content	OIL/GAS
Discovery wellbore	NO
1st level with HC, age	LATE JURASSIC
1st level with HC, formation	SOGNEFJORD FM
Kelly bushing elevation [m]	25.0
Water depth [m]	324.0
Total depth (MD) [m RKB]	2434.0
Final vertical depth (TVD) [m RKB]	2434.0
Bottom hole temperature [°C]	65
Oldest penetrated age	LATE TRIASSIC
Oldest penetrated formation	HEGRE GP
Geodetic datum	ED50
NS degrees	60° 46' 19.16" N
EW degrees	3° 33' 15.87" E
NS UTM [m]	6737677.61



EW UTM [m]	530201.60
UTM zone	31
NPDID wellbore	505

Wellbore history

General

Well 31/2-1 R is the re-entry of well 31/2-1, the Troll West discovery well. Originally the re-entry was intended for testing of a possible oil zone, but this plan was dropped in favour of a DST in well 31/2-2, situated in a more optimal position with regard to a possible oil-leg. The only objective for 31/2-1 R was thus permanent plugging and abandonment.

Operations and results

Well 31/2-1 was re-entered (31/2-1 R) with the semi-submersible installation Borgny Dolphin on 26 October 1981.

The well was plugged and abandoned on 9 November 1981.

Testing

No drill stem test was performed.

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
349	NORDLAND GP
526	HORDALAND GP
1185	ROGALAND GP
1185	BALDER FM
1251	SELE FM
1323	LISTA FM
1394	VÅLE FM
1406	CROMER KNOLL GP
1415	VIKING GP
1415	DRAUPNE FM
1441	SOGNEFJORD FM
1533	HEATHER FM
1596	FENSFJORD FM
1743	KROSSFJORD FM
1881	HEATHER FM
1882	BRENT GP



1986	DUNLIN GP
1986	DRAKE FM
2094	COOK FM
2135	AMUNDSEN FM
2177	JOHANSEN FM
2274	AMUNDSEN FM
2294	STATFJORD GP
2382	HEGRE GP

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
CONDUCTOR	30	423.0	36	470.0	0.00	LOT
SURF.COND.	20	793.0	26	805.0	1.52	LOT
INTERM.	13 3/8	1308.0	17 1/2	1322.0	1.67	LOT
INTERM.	9 5/8	2061.0	12 1/4	2074.0	1.60	LOT
OPEN HOLE		2433.0	8 1/2	2433.0	0.00	LOT

Pressure plots

The pore pressure data is sourced from well logs if no other source is specified. In some wells where pore pressure logs do not exist, information from Drill stem tests and kicks have been used. The data has been reported to the NPD, and further processed and quality controlled by IHS Markit.

Document name	Document format	Document size [MB]
505 Formation pressure (Formasjonstrykk)	PDF	0.18

