

**General information**

Wellbore name	31/2-4 R2
Type	EXPLORATION
Purpose	APPRAISAL
Status	P&A
Factmaps in new window	link to map
Main area	NORTH SEA
Field	TROLL
Discovery	31/2-1 (Troll Vest)
Well name	31/2-4
Seismic location	624445 SP.195
Production licence	054
Drilling operator	A/S Norske Shell
Drill permit	261-L3
Drilling facility	BORGNY DOLPHIN
Drilling days	9
Entered date	04.11.1982
Completed date	12.11.1982
Plugged and abandon date	12.11.1982
Release date	12.11.1984
Publication date	15.02.2006
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
2nd level with HC, age	MIDDLE JURASSIC
2nd level with HC, formation	FENSFJORD FM
Kelly bushing elevation [m]	25.0
Water depth [m]	336.0
Total depth (MD) [m RKB]	5035.0
Final vertical depth (TVD) [m RKB]	5035.0
Maximum inclination [°]	4
Bottom hole temperature [°C]	141
Oldest penetrated age	EARLY TRIASSIC
Oldest penetrated formation	HEGRE GP
Geodetic datum	ED50



NS degrees	60° 51' 23.57" N
EW degrees	3° 30' 44.33" E
NS UTM [m]	6747077.42
EW UTM [m]	527835.00
UTM zone	31
NPDID wellbore	503

Wellbore history

General

Well 31/2-4 was originally drilled with Borgny Dolphin down to 815 m in 1980. The well was however suspended due to a blow out on 34/10-10. Well 31/2-4 was re-entered with the same rig in October 1980 and drilled to TD at 5035 m. After Logging at TD the rig went on hire to Shell UK Exploration and Production. The well was suspended in April 1981 for possible testing and abandonment at a later stage. The decision was made not to test the well so the purpose of this second re-entry (31/2-4 R2) was plugging and permanent abandonment

Operations and results

Wildcat well 31/2-4 was re-entered for the second time (31/2-4 R2) with the semi-submersible installation Borgny Dolphin on 4 November 1982.

The well was plugged and permanently abandoned on 12 November 1982 as a gas and oil appraisal well.

Testing

No drill stem test was performed in the well.

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
361	NORDLAND GP
494	NO FORMAL NAME
528	NO FORMAL NAME
724	HORDALAND GP
1203	ROGALAND GP
1203	BALDER FM
1234	SELE FM
1256	LISTA FM
1357	VÅLE FM
1365	VIKING GP
1365	SOGNEFJORD FM



1460	HEATHER FM
1520	FENSFJORD FM
1625	KROSSFJORD FM
1710	HEATHER FM
1784	BRENT GP
1902	DUNLIN GP
1902	DRAKE FM
2008	COOK FM
2107	AMUNDSEN FM
2126	JOHANSEN FM
2241	AMUNDSEN FM
2256	STATFJORD GP
2422	HEGRE GP

Documents - older Norwegian Offshore Directorate WDSS reports and other related documents

Document name	Document format	Document size [MB]
503_02_WDSS_completion_log	pdf	0.31

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	446.0	36	450.0	0.00	LOT
SURF.COND.	20	807.0	26	815.0	1.71	LOT
LINER	16	1272.0	22	1280.0	1.71	LOT
INTERM.	13 3/8	1928.0	15 3/4	1951.0	1.70	LOT
INTERM.	9 5/8	3982.0	12 1/4	4029.0	0.00	LOT
OPEN HOLE		5035.0	8 1/2	5035.0	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]
503 Formation pressure (Formasjonstrykk)	PDF	0.19

