

**General information**

Wellbore name	31/4-1
Type	EXPLORATION
Purpose	WILDCAT
Status	JUNKED
Factmaps in new window	link to map
Main area	NORTH SEA
Well name	31/4-1
Seismic location	
Production licence	055
Drilling operator	Norsk Hydro Produksjon AS
Drill permit	224-L
Drilling facility	NORSKALD
Drilling days	17
Entered date	09.09.1979
Completed date	25.09.1979
Release date	25.09.1981
Publication date	19.12.2007
Purpose - planned	WILDCAT
Reentry	NO
Content	NOT APPLICABLE
Discovery wellbore	NO
Kelly bushing elevation [m]	25.0
Water depth [m]	144.0
Total depth (MD) [m RKB]	1000.0
Bottom hole temperature [°C]	38
Oldest penetrated age	OLIGOCENE
Oldest penetrated formation	HORDALAND GP
Geodetic datum	ED50
NS degrees	60° 36' 18.2" N
EW degrees	3° 0' 32.3" E
NS UTM [m]	6718956.40
EW UTM [m]	500491.31
UTM zone	31
NPDID wellbore	400

Wellbore history

**General**

Well 31/4-1 is located on the Brage Horst between the Oseberg and Troll Fields in the Northern North Sea. The primary objective was Middle Jurassic sandstones of the Brent Formation. A "flat-spot" was seen on the seismic sections and tentatively interpreted to represent a gas fluid contact in these sandstones. A secondary objective was sandstones in the Early Jurassic Statfjord Formation. Sandstone intervals of upper Early Jurassic age (Dunlin Formation) and of Triassic age (Hegre Group), were also expected to be penetrated, but were not considered to be prospective. The well was planned to be drilled to a depth of 2930 m RKB (+/- 90 m), 100 m into the Triassic.

Operations and results

Well 31/4-1 was spudded with the semi-submersible installation Norskald on 9 September 1979 and drilled to TD at 1000 m in Late Oligocene - Miocene sediments of the Hordaland Group.

None of the objectives were tested due to technical problems; the well was plugged and abandoned due to lack of cement support around the 30" casing, experienced when landing the 20" casing. No cores were cut and no wire line fluid samples were taken.

The well was permanently abandoned on 25 September 1979 as a junk well. The rig was moved over 100 - 150 m in a direction 213 degree N to spud replacement well 31/4-2.

Testing

No drill stem test was performed.

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
240.00	1000.00

Cuttings available for sampling?	NO
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Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
169	NORDLAND GP
720	UTSIRA FM
848	HORDALAND GP

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

Document name	Document format	Document size [MB]
400_01_WDSS_General_Information	pdf	0.10





400 02 WDSS completion log	pdf	0.09
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Documents - reported by the production licence (period for duty of secrecy expired)

Document name	Document format	Document size [MB]
400 01 31 4 1 Completion Report and Completion log	pdf	4.06

Logs

Log type	Log top depth [m]	Log bottom depth [m]
BHC CCL	160	226
ISF SONIC GR	146	994

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	231.0	36	232.0	0.00	LOT
OPEN HOLE		1000.0	26	1000.0	0.00	LOT

