



General information

Wellbore name	31/6-4
Type	EXPLORATION
Purpose	APPRAISAL
Status	JUNKED
Factmaps in new window	link to map
Main area	NORTH SEA
Field	TROLL
Discovery	31/6-1 (Troll Øst)
Well name	31/6-4
Seismic location	NH 8202 - 120 SP. 246
Production licence	085
Drilling operator	Den norske stats oljeselskap a.s
Drill permit	407-L
Drilling facility	DEEPSEA BERGEN
Drilling days	12
Entered date	05.03.1984
Completed date	16.03.1984
Release date	16.03.1986
Publication date	06.06.2006
Purpose - planned	APPRAISAL
Reentry	NO
Content	NOT APPLICABLE
Discovery wellbore	NO
Kelly bushing elevation [m]	23.0
Water depth [m]	305.0
Total depth (MD) [m RKB]	820.0
Final vertical depth (TVD) [m RKB]	817.0
Maximum inclination [°]	12.75
Bottom hole temperature [°C]	37
Oldest penetrated age	EOCENE
Oldest penetrated formation	BALDER FM
Geodetic datum	ED50
NS degrees	60° 37' 6.05" N
EW degrees	3° 48' 20.36" E
NS UTM [m]	6720706.99
EW UTM [m]	544097.83
UTM zone	31
NPDID wellbore	404



Wellbore history

General

Well 31/6-4 was drilled in the southern part of the Troll East gas province. The main purpose was to appraise and test possible oil and gas accumulations in sandstones of Late to Middle Jurassic age.

Operations and results

Appraisal well 31/6-4 was spudded with the semi-submersible installation Deepsea Bergen on 5 March 1984 and drilled to TD at 820 m in Eocene sediments. After setting of the 30" casing a 12 1/4" pilot hole was drilled. When opening the pilot hole to 26" hole, the hole kicked off from the pilot hole and deviated to 12.75 deg. at 662 m. Because of the deviation it was decided to junk the well. The well was drilled with spud mud.

No cores were cut and no fluid samples taken.

The well was junked and abandoned on 16 March as a dry well.

Testing

No drill stem test was performed

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
400.00	820.00

Cuttings available for sampling?	YES
----------------------------------	-----

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
327	NORDLAND GP
455	HORDALAND GP
816	ROGALAND GP
816	BALDER FM

Composite logs





Document name	Document format	Document size [MB]
404	pdf	0.06

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

Document name	Document format	Document size [MB]
404_01_WDSS_General_Information	pdf	0.13
404_02_WDSS_completion_log	pdf	0.10

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

Document name	Document format	Document size [MB]
404_01_31_6_4_Completion_Report_and_Completion_log	pdf	16.11

Logs

Log type	Log top depth [m]	Log bottom depth [m]
DIFL BHC AC GR SP CAL	390	821

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	390.0	36	392.0	0.00	LOT
OPEN HOLE		820.0	26	820.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
470	1.05	60.0		WATER BASED	
720	1.09	45.0		WATER BASED	

