

**General information**

Wellbore name	30/3-1
Type	EXPLORATION
Purpose	APPRAISAL
Status	SUSPENDED
Factmaps in new window	link to map
Main area	NORTH SEA
Field	HULDRA
Discovery	30/2-1 Huldra
Well name	30/3-1
Seismic location	702 166 SP. 790
Production licence	052
Drilling operator	Den norske stats oljeselskap a.s
Drill permit	215-L
Drilling facility	NORSKALD
Drilling days	89
Entered date	11.06.1979
Completed date	07.09.1979
Release date	07.09.1981
Publication date	24.09.2004
Purpose - planned	WILDCAT
Reentry	NO
Content	SHOWS
Discovery wellbore	NO
Kelly bushing elevation [m]	25.0
Water depth [m]	138.0
Total depth (MD) [m RKB]	3718.0
Final vertical depth (TVD) [m RKB]	3716.0
Maximum inclination [°]	2
Bottom hole temperature [°C]	99
Oldest penetrated age	EARLY CRETACEOUS
Oldest penetrated formation	ÅSGARD FM
Geodetic datum	ED50
NS degrees	60° 54' 15.35" N
EW degrees	2° 40' 11.71" E
NS UTM [m]	6752328.84
EW UTM [m]	482092.77
UTM zone	31
NPDID wellbore	376

**Wellbore history****General**

Well 30/3-1 is located just north of the Huldra Discovery. It was planned to be drilled in two phases and the primary objective was to test sandstones of the Brent Group. Secondary objectives were sandstones in the Paleocene and in the Lower Jurassic, Cook and Statfjord formations.

Operations and results

Well 30/3-1, Phase I was spudded with the semi-submersible installation Nordskald and drilled to 3718 m in claystone and marls of the Early Cretaceous Cromer Knoll Group. Phase I was drilled without serious problems but the 12 1/4" hole section had to be cut shorter than originally planned due to lost circulation and possibly higher pore pressures than prognosed. The mud gas readings were relatively high through the 17 1/2" section causing long periods of circulation. The well was drilled with seawater and hi-vis pills down to 212 m, with a gel mud from 212 m to 985 m, and with a Spersene XP 20/Magcogel/nut plug mud from 985 m to TD.

The Paleocene did not contain good reservoirs. Shows and live oil in the mud were however recorded in predominant claystone lithology from 1910 m to 2470 m. No conventional cores were cut and no fluid samples taken.

The well was suspended on 7 September as a dry hole after the 9 5/8" casing was run. The plan was to re-enter the well later, using a rig equipped with a 15000 psi BOP stack and drill through the Jurassic sandstones.

Testing

No drill stem test was performed

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
220.00	4421.50

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

Palynological slides at the Norwegian Offshore Directorate

Sample depth	Depth unit	Sample type	Laboratory
3728.5	[m]	DC	GEOST
3790.0	[m]	DC	GEOST
3800.0	[m]	DC	GEOST
3815.0	[m]	DC	GEOST
3825.0	[m]	DC	GEOST



3830.0	[m]	DC	GEOST
3842.5	[m]	DC	GEOST
3850.0	[m]	DC	GEOST
3860.0	[m]	DC	GEOST
3865.0	[m]	DC	GEOST
3872.3	[m]	C	GEOST
3878.0	[m]	C	GEOST
3879.7	[m]	C	GEOST
3885.0	[m]	DC	GEOST
3895.0	[m]	DC	GEOST
3905.0	[m]	DC	GEOST
3912.5	[m]	DC	GEOST

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
163	NORDLAND GP
826	UTSIRA FM
950	HORDALAND GP
1174	SKADE FM
1360	NO FORMAL NAME
1661	GRID FM
1682	NO FORMAL NAME
1930	ROGALAND GP
1930	BALDER FM
1995	SELE FM
2016	LISTA FM
2124	VÅLE FM
2160	SHETLAND GP
2160	JORSALFARE FM
2472	KYRRE FM
3410	TRYGGVASON FM
3605	BLODØKS FM
3616	CROMER KNOLL GP
3616	RØDBY FM
3637	SOLA FM
3673	ÅSGARD FM

**Geochemical information**

Document name	Document format	Document size [MB]
376 1 Geochemical evaluation of the Statoil 30 3 1 well	pdf	0.59
376 2 Phase I Organic geochemistry results from well 30 3 1	pdf	1.27
376 3	pdf	0.81

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

Document name	Document format	Document size [MB]
376 01 WDSS General Information	pdf	0.11
376 02 WDSS completion log	pdf	0.21

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

Document name	Document format	Document size [MB]
376 1 Completion Report	pdf	37.08
376 2 Completion Report Appendix	pdf	5.20

Logs

Log type	Log top depth [m]	Log bottom depth [m]
CBL	521	2419
CNL	2000	2175
DLL MSFL GR	3125	3713
FDC CNL GR CAL	212	1802
FDC CNL GR CAL	2418	3714
ISF SON GR SP	160	3714
VEL	410	3710

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	212.0	36	212.0	0.00	LOT





SURF.COND.	20	985.0	26	999.0	1.38	LOT
LINER	16	1804.0	19 1/2	1804.0	1.52	LOT
INTERM.	13 3/8	2423.0	17 1/2	2430.0	1.96	LOT
INTERM.	9 5/8	3718.0	12 1/4	3718.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
212	1.01	54.0	12.0	seawater	
987	1.10	55.0	9.0	seawater	
2468	1.66	56.0	14.0	seawater	
2787	1.85	60.0	15.0	seawater	
3709	1.85	67.0	16.0	seawater	