General information

Wellbore name	34/10-12
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Factmaps in new window	link to map
Main area	NORTH SEA
Well name	34/10-12
Seismic location	LINE 709 401 SP: 630.
Production licence	050
Drilling operator	Den norske stats oljeselskap a.s
Drill permit	295-L
Drilling facility	NORDRAUG
Drilling days	59
Entered date	16.07.1981
Completed date	12.09.1981
Release date	12.09.1983
Publication date	03.12.2014
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	25.0
Water depth [m]	138.0
Total depth (MD) [m RKB]	2800.0
Final vertical depth (TVD) [m RKB]	2798.0
Maximum inclination [°]	6.2
Bottom hole temperature [°C]	75
Oldest penetrated age	EARLY JURASSIC
Oldest penetrated formation	STATFJORD GP
Geodetic datum	ED50
NS degrees	61° 9' 26.69'' N
EW degrees	2° 6' 21.72'' E
NS UTM [m]	6780810.91
EW UTM [m]	451887.14
UTM zone	31
NPDID wellbore	204

Wellbore history

General

Well 34/10-12 was drilled on Tampen Spur in the North Sea close to the western side of the Gullfaks Fault Block. The primary objective of the well was to test sandstones of Middle Jurassic age. Secondary objectives were sandstones of Early Jurassic age.

Operations and results

Wildcat well 34/10-12 was spudded with the semi-submersible installation Neptuno Nordraug on 16 July 1981 and drilled to TD at 2800 m in the Early Jurassic Statfjord Group. The well was drilled with seawater and prehydrated Gel pills down to 298 m and with gel/lignosulphonate mud from 298 m to TD.

The sandstones of both Middle and Early Jurassic age were water saturated. Shows were recorded on cuttings from claystones, limestone and occasional thin sandstones from 1260 m in the Hordaland Group to 1657 m in the Balder Formation. The Jurassic had only trace fluorescence in sandstone cuttings at 2094 to 2110 m in the Ness Formation, otherwise no trace of hydrocarbons were seen.

One core was cut from 2037 m to 2042.7 m in the Ness Formation. No wire line fluid samples were taken.

The well was permanently abandoned on 12 September 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]
230.00	2795.00

Cuttings available for sampling?	YES

Cores at the Norwegian Offshore Directorate

Core sample number	Core sample - top depth	Core sample - bottom depth	Core sample depth - uom
1	2037.0	2041.0	[m]

Total core sample length [m]	4.0
Cores available for sampling?	YES

Core photos


2037-2040m


2040-2041m

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
163	NORDLAND GP
933	UTSIRA FM
1005	HORDALAND GP
1633	ROGALAND GP
1633	BALDER FM
1687	LISTA FM
1807	SHETLAND GP
2014	BRENT GP
2014	NESS FM
2176	ETIVE FM
2198	RANNOCH FM
2250	DUNLIN GP
2250	DRAKE FM
2350	COOK FM
2470	AMUNDSEN FM
2688	STATFJORD GP

Geochemical information

Document name	Document format	Document size [MB]
204_GCH_1	pdf	0.80
204_GCH_2	pdf	0.58

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

Document name	Document format	Document size [MB]
204_01_WDSS_General_Information	pdf	0.10
204_02_WDSS_completion_log	pdf	0.24

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

Document name	Document format	Document size [MB]
204_34_10_12_Completion_log	pdf	1.67
204_34_10_12_Completion_Report	pdf	20.70
204_34_10_12_Conventional_Core_Analysis	pdf	0.44
204_34_10_12_Paleontological_Stratigraphical_1600_2800m	pdf	4.72
204_34_10_12_Petrofysisk_Evaluering	pdf	5.69
204_34_10_12_Source_Rock_Evaluation	pdf	2.09

Logs

Log type	Log top depth [m]	Log bottom depth [m]
BGT GR	296	1560
CBL VDL	150	1543
CBL VDL GR CCL	1200	1932
FDC CNL GR CAL	225	2798
GEODIP	2010	2260
HDT DIP	1932	2784
ISF SON GR SP	160	2795

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	223.0	36	225.0	0.00	LOT
SURF.COND.	20	296.0	26	306.0	1.30	LOT
LINER	16	865.0	22	865.0	1.56	LOT
INTERM.	13 3/8	1545.0	17 1/2	1560.0	1.74	LOT
INTERM.	9 5/8	1934.0	12 1/4	1950.0	1.94	LOT
OPEN HOLE		2800.0	8 1/2	2800.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
250	1.06	10.0		WATER BASED	
390	1.11	6.0		WATER BASED	
800	1.09	8.0		WATER BASED	
1450	1.16	8.0		WATER BASED	
1820	1.38	12.0		WATER BASED	
1955	1.65	17.0		WATER BASED	
2310	1.70	17.0		WATER BASED	
2390	1.74	16.0		WATER BASED	

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]
204_Formation_pressure_(Formasjonstrykk)	pdf	0.22