General information

Wellbore name	6204/10-2 R
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Factmaps in new window	link to map
Main area	NORWEGIAN SEA
Discovery	6204/10-2
Well name	6204/10-2
Seismic location	ST 9202- INLINE 208 & X-LINE 1364
Production licence	175
Drilling operator	Den norske stats oljeselskap a.s
Drill permit	872-L2
Drilling facility	DEEPSEA TRYM
Drilling days	18
Entered date	04.11.1997
Completed date	21.11.1997
Release date	21.11.1999
Publication date	29.05.2002
Purpose - planned	WILDCAT
Reentry	YES
Reentry activity	DRILLING
Content	GAS
Discovery wellbore	YES
1st level with HC, age	EARLY CRETACEOUS
1st level with HC, formation	NO FORMAL NAME
Kelly bushing elevation [m]	25.0
Water depth [m]	172.0
Total depth (MD) [m RKB]	2095.0
Final vertical depth (TVD) [m RKB]	2092.0
Maximum inclination [°]	7.7
Bottom hole temperature [°C]	71
Oldest penetrated age	PRE-DEVONIAN
Oldest penetrated formation	BASEMENT
Geodetic datum	ED50
NS degrees	62° 2' 41.24'' N
EW degrees	4° 7' 4.59'' E
NS UTM [m]	6879839.00
EW UTM [m]	558469.64

UTM zone	31
NPDID wellbore	3258

Wellbore history

General

The main objectives for well 6204/10-2 was to prove economic hydrocarbon reserves in the Jurassic L-prospect and in the Coniacian/Turonian Q-prospect, while secondary objective was to investigate possible hydrocarbons in fractured basement.

Operations and results

The 6204/10-2 well was spudded with the semi-submersible rig "Deepsea Trym" on 19 January 1997 and drilled to a temporary TD at 1145 m, where the well was temporarily abandoned on 21 november due to environmental restrictions. Well 6204/10-2 R was re-entered on 4 November 1997, and was drilled to TD at 2095 m. The well bores were drilled with a water based KCl polymer system, however, standard geochemical analyses indicate unknown additives that may affect geochemical analyses. No special drilling/operational problems were experienced in this well.
The well showed that the Jurassic section was missing, and there were no hydrocarbons in the basement. The only hydrocarbons encountered were in a thin Lower Cretaceous sandstone stringer, where a segregated FMT sample at 1915.5 m gave a good sample from a porous sandstone. Two cores were cut: one at 1872 - 1889.55 m in Upper Cretaceous and one at 1951 - 1961.14 m in Lower Cretaceous. The well was plugged and abandoned on 21 November 1997 as a gas discovery.

Testing

No drill stem test was performed.

Cores at the Norwegian Offshore Directorate

Core sample number	Core sample - top depth	Core sample - bottom depth	Core sample depth - uom
1	1872.0	1889.6	[m]
2	1951.0	1961.1	[m]

Total core sample length [m]	27.7
Cores available for sampling?	YES

Core photos


1872-1877m


1877-1882m


1882-1887m


1887-1890m


1951-1956m


1956-1961m

Palynological slides at the Norwegian Offshore Directorate

Sample depth	Depth unit	Sample type	Laboratory
1151.0	[m]	DC	RRI
1181.0	[m]	DC	RRI
1196.0	[m]	DC	RRI
1232.0	[m]	DC	RRI
1262.0	[m]	DC	RRI
1292.0	[m]	DC	RRI
1310.0	[m]	DC	RRI
1320.0	[m]	DC	RRI
1340.0	[m]	DC	RRI
1360.0	[m]	DC	RRI
1370.0	[m]	DC	RRI
1380.0	[m]	DC	RRI
1390.0	[m]	DC	RRI
1410.0	[m]	DC	RRI
1420.0	[m]	DC	RRI
1440.0	[m]	DC	RRI
1450.0	[m]	DC	RRI
1480.0	[m]	DC	RRI
1480.0	[m]	DC	RRI
1500.0	[m]	DC	RRI
1510.0	[m]	DC	RRI
1520.0	[m]	DC	RRI
1540.0	[m]	DC	RRI

1540.0	[m]	DC	RRI
1550.0	[m]	DC	RRI
1560.0	[m]	DC	RRI
1570.0	[m]	DC	RRI
1580.0	[m]	DC	RRI
1620.0	[m]	DC	RRI
1630.0	[m]	DC	RRI
1650.0	[m]	DC	RRI
1660.0	[m]	DC	RRI
1670.0	[m]	DC	RRI
1680.0	[m]	DC	RRI
1700.0	[m]	DC	RRI
1709.0	[m]	DC	RRI
1721.0	[m]	DC	RRI
1730.0	[m]	DC	RRI
1751.0	[m]	DC	RRI
1760.0	[m]	DC	RRI
1790.0	[m]	DC	RRI
1802.0	[m]	DC	RRI
1820.0	[m]	DC	RRI
1841.0	[m]	DC	RRI
1859.0	[m]	DC	RRI
1901.0	[m]	DC	RRI
1979.0	[m]	DC	RRI
2000.0	[m]	DC	RRI
2009.0	[m]	DC	RRI
2030.0	[m]	DC	RRI
2051.0	[m]	DC	RRI
2081.0	[m]	DC	RRI
2090.0	[m]	DC	RRI
2095.0	[m]	DC	RRI

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
197	NORDLAND GP
631	HORDALAND GP
992	NO FORMAL NAME
1034	NO FORMAL NAME

1098	ROGALAND GP
1098	BALDER FM
1140	SELE FM
1208	LISTA FM
1280	SHETLAND GP
1280	JORSALFARE FM
1327	KYRRE FM
1868	NO FORMAL NAME
1935	CROMER KNOLL GP
1935	ÅSGARD FM
2073	BASEMENT

Composite logs

Document name	Document format	Document size [MB]
3258	pdf	0.23

Geochemical information

Document name	Document format	Document size [MB]
3258_1	pdf	1.34
3258_2	pdf	1.36

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

Document name	Document format	Document size [MB]
3258_6204_10_2_R_COMPLETION_REPORT	pdf	61.36

Logs

Log type	Log top depth [m]	Log bottom depth [m]
DLL MAC SLH	1137	2083
FMT CHT GR	1868	1915
MWD BHI DPR-IIA	1148	2095

SWC GR	1159	2067
VSP	300	2075
ZDL CND GR	1137	2076

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
OPEN HOLE		2095.0	8 1/2	2095.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
1149	1.32	25.0		KCL/PAC/XANVIS	
1170	1.32	18.0		KCL/PAC/XANVIS	
1452	1.32	24.0		KCL/PAC/XANVIS	
1725	1.32	23.0		KCL/PAC/XANVIS	
1822	1.32	24.0		KCL/PAC/XANVIS	
1835	1.32	19.0		KCL/PAC/XANVIS	
1876	1.32	17.0		KCL/PAC/XANVIS	
1916	1.32			DUMMY	
1961	1.32	18.0		KCL/PAC/XANVIS	
2069	1.32	19.0		KCL/PAC/XANVIS	
2095	1.32	19.0		KCL/PAC/XANVIS	

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]
3258_Formation_pressure_(Formasjonstrykk)	pdf	0.26