

**General information**

Wellbore name	25/11-17
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Factmaps in new window	link to map
Main area	NORTH SEA
Well name	25/11-17
Seismic location	NH 9209 101 SP 594
Production licence	169
Drilling operator	Norsk Hydro Produksjon AS
Drill permit	755-L
Drilling facility	WEST DELTA
Drilling days	21
Entered date	01.03.1993
Completed date	22.03.1993
Release date	22.03.1995
Publication date	29.08.2003
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	29.0
Water depth [m]	124.0
Total depth (MD) [m RKB]	2256.0
Final vertical depth (TVD) [m RKB]	2255.0
Maximum inclination [°]	3.3
Bottom hole temperature [°C]	105
Oldest penetrated age	PRE-DEVONIAN
Oldest penetrated formation	BASEMENT
Geodetic datum	ED50
NS degrees	59° 3' 26.66" N
EW degrees	2° 29' 6.59" E
NS UTM [m]	6546709.03
EW UTM [m]	470469.44
UTM zone	31
NPDID wellbore	1921



Wellbore history

General

Well 25/11-17 is located south of the Balder / Grane area. The objective of the well was to test the hydrocarbon potential of sands of both Jurassic and Paleocene age. The location was chosen such that it left minimum reserves up dip in the Jurassic prospect while simultaneously penetrating the Paleocene prospect above the expected regional oil water contact.

Operations and results

Exploration well 25/11-17 was spudded with the semi-submersible installation "West Delta" on 1 March 1993 drilled to a total depth of 2256 m, 13 m into metamorphic basement. The well was drilled water based with spud mud down to 1413 m and with KCl / Polymer from 1413 m to TD.

Reservoir sands were encountered in the Balder Formation from 1590 m to 1646 m but no shows were seen and the reservoir proved to be water bearing. Reservoir sands were also encountered in the Statfjord Formation from 1998 m to 2038 m but again no shows were seen and the reservoir proved to be water bearing. Overlaying the basement the well penetrated a 10 m thick layer of regolith (weathered rock). Seven conventional cores were cut from 1625.5 m to 1759.6 m, starting in the middle of the Balder Formation, continuing through the Sele, Lista and Våle Formations and ending in the Tor Formation. An eighth core was cut from 2018 m to 2037 m in the lower part of the Statfjord Formation and into the regolith layer, and a final ninth core was cut at TD in the metamorphic basement from 2248 m to 2256 m. No fluid samples were taken. The well was permanently abandoned as a dry well on 22 March 1993.

Testing

No drill stem test was performed.

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
1420.00	2247.00

Cuttings available for sampling?	YES
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Cores at the Norwegian Offshore Directorate

Core sample number	Core sample - top depth	Core sample - bottom depth	Core sample depth - uom
1	1625.5	1640.0	[m]
2	1643.0	1651.6	[m]
3	1654.0	1660.5	[m]
4	1661.5	1679.0	[m]



5	1679.6	1705.0	[m]
6	1706.5	1732.0	[m]
7	1732.6	1759.0	[m]
8	2018.0	2035.9	[m]
9	2248.0	2255.9	[m]

Total core sample length [m]	150.1
Cores available for sampling?	YES

Core photos



1625-1630m



1630-1635m



1635-1640m



1640-1641m



1643-1648m



1648-1651m



1654-1659m



1659-1660m



1661-1666m



1666-1671m



1671-1675m



1676-1679m



1679-1684m



1684-1689m



1689-1694m



1694-1699m



1699-1704m



1704-1705m



1706-1711m



1711-1716m



1716-1721m



1721-1726m



1726-1731m



1731-1732m



1732-1737m



1737-1742m



1742-1747m



1747-1752m



1752-1757m



1757-1759m



2018-2023m



2023-2028m



2028-2033m



2033-2035m



2248-2253m



2253-2256m

Palynological slides at the Norwegian Offshore Directorate

Sample depth	Depth unit	Sample type	Laboratory
1465.0	[m]	SWC	HYDRO
1476.0	[m]	SWC	HYDRO
1485.0	[m]	SWC	HYDRO
1500.0	[m]	SWC	HYDRO
1525.0	[m]	SWC	HYDRO
1551.0	[m]	SWC	HYDRO
1561.0	[m]	SWC	HYDRO
1567.0	[m]	SWC	HYDRO
1571.0	[m]	SWC	HYDRO



1580.0	[m]	SWC	HYDRO
1590.0	[m]	SWC	HYDRO
1630.2	[m]	C	HYDRO
1634.2	[m]	C	HYDRO
1637.0	[m]	C	HYDRO
1640.0	[m]	C	HYDRO
1930.0	[m]	SWC	HYDRO
2018.0	[m]	C	HYDRO
2022.4	[m]	C	HYDRO
2023.7	[m]	C	HYDRO
2028.7	[m]	C	HYDRO
2035.1	[m]	C	HYDRO
2045.0	[m]	SWC	HYDRO
2055.0	[m]	SWC	HYDRO
2083.0	[m]	SWC	HYDRO
2093.0	[m]	SWC	HYDRO

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
153	NORDLAND GP
777	UTSIRA FM
815	NO FORMAL NAME
897	HORDALAND GP
897	SKADE FM
1146	NO FORMAL NAME
1587	ROGALAND GP
1587	BALDER FM
1647	SELE FM
1652	LISTA FM
1721	VÅLE FM
1742	SHETLAND GP
1742	TOR FM
1847	HOD FM
1870	TRYGGVASON FM
1882	SVARTE FM
1921	CROMER KNOLL GP
1921	RØDBY FM
1951	SOLA FM



1966	ÅSGARD FM
1985	VIKING GP
1985	DRAUPNE FM
1997	STATFJORD GP
2146	ZECHSTEIN GP
2233	UNDEFINED GP
2243	BASEMENT

Composite logs

Document name	Document format	Document size [MB]
1921	pdf	0.32

Geochemical information

Document name	Document format	Document size [MB]
1921_1	pdf	0.70

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

Document name	Document format	Document size [MB]
1921_25_11_17_COMPLETION_REPORT_AND_LOG	pdf	15.10

Logs

Log type	Log top depth [m]	Log bottom depth [m]
4-ARM DIP GR	1397	2235
CST GR	1465	2222
DLL MLL ZDL CN GR SP CHT	1397	2242
FMT-HP GR CHT	1588	2129
MAC SL CHT	1397	2228
MWD - GR RES ROP DIR	168	2248
VSP	440	2225



**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	237.0	36	237.0	0.00	LOT
INTERM.	9 5/8	1398.0	12 1/4	1413.0	1.80	LOT
OPEN HOLE		2256.0	8 1/2	2256.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
578	1.05			WATER BASED	
1413	1.05			WATER BASED	
1465	1.20	13.0		WATER BASED	
1614	1.28	19.0		WATER BASED	