General information

Wellbore name	25/6-2
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Factmaps in new window	link to map
Main area	NORTH SEA
Well name	25/6-2
Seismic location	SG 8603 - 411 & SP. 799
Production licence	117
Drilling operator	Saga Petroleum ASA
Drill permit	729-L
Drilling facility	TREASURE SAGA
Drilling days	32
Entered date	26.04.1992
Completed date	29.05.1992
Release date	29.05.1994
Publication date	27.02.2004
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	26.0
Water depth [m]	119.0
Total depth (MD) [m RKB]	2392.0
Final vertical depth (TVD) [m RKB]	2390.0
Maximum inclination [°]	5.9
Bottom hole temperature [°C]	82
Oldest penetrated age	EARLY JURASSIC
Oldest penetrated formation	DRAKE FM
Geodetic datum	ED50
NS degrees	59° 33' 39.83'' N
EW degrees	2° 49' 13.44'' E
NS UTM [m]	6602696.66
EW UTM [m]	489849.43
UTM zone	31
NPDID wellbore	1949

Wellbore history

General

The well 25/6-2 is located in the southern part of block 25/6, approximately 175 km Northwest of Stavanger on the northern part of the Utsira High. Utsira High forms the southern part of western rim of the Horda Platform and lies between the South Viking Graben to the west and Stord Basin to the east.

The main objectives for the well 25/6-2 were to test the hydrocarbon potential of the Paleocene Ty Formation in the Delta and Beta prospects and the extension of the Middle Jurassic Vestland Group discovery in well 25/6-1. The Ty Formation prospects were anticipated to comprise of clastic, gravity fan deposits. The well location was in a position that would test both a mapped simple closure at this level and a larger stratigraphic trap interpreted to be characterised by sands pinching out to the south.

Operations and results

The well 25/6-2 was spudded with the semi-submersible installation Treasure Saga the 26 April 1992 and drilled to TD at 2392 m in the Early Jurassic Drake formation. The well was drilled with seawater and gel down to 1046 m and with KCl mud from 1046 m to TD.

The Nordland, Hordaland and Rogaland Groups consisted mainly of clays and claystones with minor sandstones. The Cromer Knoll Group consisted of limestone interbedded with claystones and marls, while the Viking Group consisted mainly of claystones as expected. The tops prognosed for the well were within the expected margin of error for the Top Balder and Top Shetland seismic markers. However, the depths prognosed for the Top Ty Formation, base Cretaceous, top Vestland, and top Dunlin markers were off by as much as 65m. Therefore, the top of the Vestland Group was encountered 39.5 m below the oil water contact in the Vestland discovery at 25/6-1. No hydrocarbons were encountered in any of the prospective intervals, and only one show was described from a single cutting sample recovered from the Vestland Group. No cores were cut and no fluid sample taken. The well was permanently abandoned as a dry well on 29 May 1992.

Testing

No drill stem test was performed

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
250.00	2392.00

Cuttings available for sampling?	YES

Palynological slides at the Norwegian Offshore Directorate

Sample depth	Depth unit	Sample type	Laboratory
490.0	[m]	DC	RRI

510.0	[m]	DC	RRI
530.0	[m]	DC	RRI
550.0	[m]	DC	RRI
570.0	[m]	DC	RRI
590.0	[m]	DC	RRI
610.0	[m]	DC	RRI
630.0	[m]	DC	RRI
650.0	[m]	DC	RRI
670.0	[m]	DC	RRI
970.0	[m]	DC	RRI
990.0	[m]	DC	RRI
1010.0	[m]	DC	RRI
1030.0	[m]	DC	RRI
1051.0	[m]	SWC	SAGA
1070.0	[m]	DC	RRI
1085.0	[m]	SWC	SAGA
1100.0	[m]	DC	RRI
1118.0	[m]	SWC	SAGA
1130.0	[m]	DC	RRI
1150.0	[m]	DC	RRI
1170.0	[m]	DC	RRI
1190.0	[m]	DC	RRI
1210.0	[m]	DC	RRI
1210.0	[m]	SWC	SAGA
1230.0	[m]	DC	RRI
1250.0	[m]	DC	RRI
1265.0	[m]	SWC	SAGA
1270.0	[m]	DC	RRI
1290.0	[m]	DC	RRI
1310.0	[m]	DC	RRI
1330.0	[m]	DC	RRI
1350.0	[m]	DC	RRI
1370.0	[m]	DC	RRI
1390.0	[m]	DC	RRI
1410.0	[m]	DC	RRI
1419.0	[m]	SWC	SAGA
1430.0	[m]	DC	RRI
1450.0	[m]	DC	RRI
1470.0	[m]	DC	RRI
1478.0	[m]	SWC	SAGA

1490.0	[m]	DC	RRI
1510.0	[m]	DC	RRI
1530.0	[m]	DC	RRI
1550.0	[m]	DC	RRI
1570.0	[m]	DC	RRI
1575.0	[m]	SWC	SAGA
1580.0	[m]	DC	RRI
1610.0	[m]	DC	RRI
1620.0	[m]	DC	RRI
1635.0	[m]	SWC	SAGA
1650.0	[m]	DC	RRI
1670.0	[m]	DC	RRI
1690.0	[m]	DC	RRI
1710.0	[m]	DC	RRI
1723.0	[m]	SWC	SAGA
1750.0	[m]	DC	RRI
1770.0	[m]	DC	RRI
1790.0	[m]	DC	RRI
1802.0	[m]	SWC	SAGA
1810.0	[m]	DC	RRI
1820.0	[m]	DC	RRI
1830.0	[m]	DC	RRI
1850.0	[m]	DC	RRI
1870.0	[m]	DC	RRI
1890.0	[m]	DC	RRI
1910.0	[m]	DC	RRI
1923.0	[m]	SWC	SAGA
1930.0	[m]	DC	RRI
1934.0	[m]	SWC	SAGA
1940.0	[m]	DC	RRI
1950.0	[m]	DC	RRI
1970.0	[m]	DC	RRI
1980.0	[m]	DC	RRI
1985.0	[m]	SWC	SAGA
2000.0	[m]	DC	RRI
2010.0	[m]	DC	RRI
2020.0	[m]	DC	RRI
2025.0	[m]	DC	RRI
2030.0	[m]	DC	RRI
2040.0	[m]	SWC	SAGA

2045.0	[m]	DC	RRI
2056.0	[m]	SWC	SAGA
2070.0	[m]	DC	RRI
2080.0	[m]	DC	RRI
2095.0	[m]	DC	RRI
2100.0	[m]	DC	RRI
2105.0	[m]	DC	RRI
2110.0	[m]	DC	RRI
2115.0	[m]	DC	RRI
2120.0	[m]	DC	RRI
2125.0	[m]	DC	RRI
2130.0	[m]	DC	RRI
2135.0	[m]	DC	RRI
2140.0	[m]	DC	RRI
2146.0	[m]	SWC	SAGA
2155.0	[m]	DC	RRI
2160.0	[m]	SWC	SAGA
2165.0	[m]	DC	RRI
2170.0	[m]	DC	RRI
2175.0	[m]	DC	RRI
2180.0	[m]	DC	RRI
2185.0	[m]	DC	RRI
2190.0	[m]	DC	RRI
2195.0	[m]	DC	RRI
2200.0	[m]	DC	RRI
2207.0	[m]	SWC	SAGA
2215.0	[m]	DC	RRI
2220.0	[m]	DC	RRI
2225.0	[m]	DC	RRI
2230.0	[m]	DC	RRI
2235.0	[m]	DC	RRI
2241.0	[m]	DC	RRI
2247.0	[m]	SWC	SAGA
2253.0	[m]	DC	RRI
2259.0	[m]	DC	RRI
2268.0	[m]	DC	RRI
2274.0	[m]	DC	RRI
2280.0	[m]	DC	RRI
2283.0	[m]	DC	RRI
2286.0	[m]	DC	RRI

2289.0	[m]	DC	RRI
2292.0	[m]	DC	RRI
2298.0	[m]	DC	RRI
2304.0	[m]	DC	RRI
2306.0	[m]	SWC	SAGA
2310.0	[m]	DC	RRI
2316.0	[m]	DC	RRI
2319.0	[m]	DC	RRI
2322.0	[m]	DC	RRI
2325.0	[m]	DC	RRI
2328.0	[m]	DC	RRI
2329.0	[m]	SWC	SAGA
2334.0	[m]	DC	RRI
2337.0	[m]	DC	RRI
2340.0	[m]	DC	RRI
2343.0	[m]	DC	RRI
2346.0	[m]	DC	RRI
2348.0	[m]	SWC	SAGA
2349.0	[m]	DC	RRI
2352.0	[m]	DC	RRI
2358.0	[m]	DC	RRI
2361.0	[m]	DC	RRI
2367.0	[m]	DC	RRI
2370.0	[m]	DC	RRI
2376.0	[m]	DC	RRI
2382.0	[m]	DC	RRI
2385.0	[m]	DC	RRI
2388.0	[m]	DC	RRI
2392.0	[m]	DC	RRI

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
145	NORDLAND GP
652	UTSIRA FM
927	HORDALAND GP
973	SKADE FM
1000	UNDIFFERENTIATED
1220	NO FORMAL NAME

1250	UNDIFFERENTIATED
1640	GRID FM
1682	NO FORMAL NAME
1927	ROGALAND GP
1927	BALDER FM
1984	SELE FM
2053	LISTA FM
2156	VÅLE FM
2168	TY FM
2207	SHETLAND GP
2207	HARDRÅDE FM
2239	CROMER KNOLL GP
2239	RØDBY FM
2256	SOLA FM
2261	MIME FM
2278	VIKING GP
2278	DRAUPNE FM
2301	HEATHER FM
2324	VESTLAND GP
2324	HUGIN FM
2345	DUNLIN GP
2345	DRAKE FM

Composite logs

Document name	Document format	Document size [MB]
1949	pdf	0.31

Geochemical information

Document name	Document format	Document size [MB]
1949_1	pdf	1.86

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

Document name	Document format	Document size [MB]
1949_01_WDSS_General_Information	pdf	0.40
1949_02_WDSS_completion_log	pdf	0.15

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

Document name	Document format	Document size [MB]
1949_25_6_2_COMPLETION_REPORT_AND_LOG	PDF	15.22

Logs

Log type	Log top depth [m]	Log bottom depth [m]
CST	1051	2030
CST	2040	2392
DIL MSFL LSS LDL CNL GR	2026	2395
DLL LSS LDL GR	1030	2040
MDT	2173	2343
MWD - GR DPR DIR	194	257
MWD - GR DPR DIR	257	1041
MWD - GR RES NEU DENS DIR	2026	2387
MWD - GR RGD DIR	1041	2047
SHDT	2026	2392
VDL	850	2026
VSP	930	2390

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	257.0	36	257.0	0.00	LOT
INTERM.	20	1030.0	26	1031.0	1.65	LOT
INTERM.	13 3/8	2026.0	17 1/2	2026.0	1.65	LOT
OPEN HOLE		2392.0	12 1/4	2392.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
370	1.14	6.0		WATER BASED	
798	1.14	4.0		WATER BASED	
1045	1.18	20.0		WATER BASED	
1328	1.30	22.0		WATER BASED	
1388	1.35	25.0		WATER BASED	
1609	1.35	31.0		WATER BASED	
1740	1.35	32.0		WATER BASED	
2050	1.35	35.0		WATER BASED	
2225	1.20	24.0		WATER BASED	
2266	1.20	26.0		WATER BASED	
2392	1.20	26.0		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]
1949_Formation_pressure_(Formasjonstrykk)	pdf	0.22