

**General information**

Wellbore name	34/8-13 S
Type	EXPLORATION
Purpose	APPRAISAL
Status	P&A
Press release	link to press release
Factmaps in new window	link to map
Main area	NORTH SEA
Field	VISUND
Discovery	34/8-1 Visund
Well name	34/8-13
Seismic location	inline ST0404-2227&crossline ST0404-1766
Production licence	120
Drilling operator	StatoilHydro Petroleum AS
Drill permit	1222-L
Drilling facility	SCARABEO 5
Drilling days	44
Entered date	14.05.2009
Completed date	26.06.2009
Release date	26.06.2011
Publication date	26.06.2011
Purpose - planned	WILDCAT
Reentry	NO
Content	OIL
Discovery wellbore	NO
1st level with HC, age	MIDDLE JURASSIC
1st level with HC, formation	BRENT GP
Kelly bushing elevation [m]	25.0
Water depth [m]	380.0
Total depth (MD) [m RKB]	4442.0
Final vertical depth (TVD) [m RKB]	3283.0
Maximum inclination [°]	63.2
Oldest penetrated age	TRIASSIC
Oldest penetrated formation	LUNDE FM
Geodetic datum	ED50
NS degrees	61° 24' 15.8" N
EW degrees	2° 34' 52" E
NS UTM [m]	6808065.46



EW UTM [m]	477631.61
UTM zone	31
NPDID wellbore	6025

Wellbore history

General

Wells 34/8-13 A and 34/8-13 S were drilled in the Tampen Spur area of the North Sea. The objective of the wells was to test the hydrocarbon potential in the Titan prospect. The prospect is located east of the Visund N2 Brent segment as part of the Visund N2 East Flank degradation complex, and contains two slide blocks, B and C. The primary objective of the 34/8-13A was to test the hydrocarbon potential of slide block B in the Titan prospect while the sidetrack 34/8-13 S, was drilled to test slide block C. For technical reasons the naming of these wells is reversed compared to usual practice: the A well is the main well while the S well is the geological sidetrack.

Operations and results

Wildcat well 34/8-13 S was kicked off at 1346 m in well 34/8-13A on 14 May 2009. It was drilled with the semi-submersible installation Scarabeo 5 to TD at 4442 m (3283 m TVD) in the Triassic Lunde Formation. The well was drilled with XP-07 oil based mud from kick-off to TD.

The well penetrated rocks of Tertiary, Cretaceous, Jurassic, and Triassic age. Top Draupne Formation shale was penetrated at 3865 m (2859.4 m TVD), top Heather Formation shale at 3884 m (2873.1 m TVD), and top Tarbert Formation sandstone at 3896 m (2881.7 m TVD). Oil was found in degraded Tarbert and Ness Formation sandstones in the Brent Group. An oil leg of 20 m TVD was proven in the well position with oil down to 2901 m TVD and water up to 2901.8 m TVD. Shows were not recorded anywhere in the well outside of the oil-bearing reservoir.

Two cores were cut in the Brent Group from 3906 to 3952.5 m. MDT oil samples were taken at 3917.2 m in the Ness Formation. The contamination from the OBM in these were 14 to 14.5 %wt. Analysis of the oil base in the mud filtrate proved a narrow cut of n-alkanes centred around C13.

The well was permanently abandoned on 26 June 2009 as an oil discovery. In June 2018 the well was reclassified as an appraisal well for the discovery 34/8-1 Visund.

Testing

No drill stem test was performed.

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
3560.00	4442.00

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	3906.0	3931.4	[m]
2	3932.0	3952.3	[m]

Total core sample length [m]	45.7
Cores available for sampling?	YES

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
405	NORDLAND GP
1120	UTSIRA FM
1217	HORDALAND GP
1925	ROGALAND GP
1925	BALDER FM
1987	SELE FM
2020	LISTA FM
2123	SHETLAND GP
2123	JORSALFARE FM
2577	KYRRE FM
3830	TRYGGVASON FM
3857	CROMER KNOLL GP
3857	ÅSGARD FM
3865	VIKING GP
3865	DRAUPNE FM
3884	HEATHER FM
3896	BRENT GP
3896	TARBERT FM
3907	NESS FM
3945	ETIVE FM
3953	DUNLIN GP
3953	DRAKE FM
3972	COOK FM
4085	AMUNDSEN FM
4123	STATFJORD GP
4282	HEGRE GP



4282 [LUNDE FM](#)

Logs

Log type	Log top depth [m]	Log bottom depth [m]
MDT GR	3897	4265
MSIP OBMI PPC	3548	4295
MWD - ECO TELE SEISMICVISION	3556	4442
MWD - TELE ARCVRES8	1350	3556
OBMI MSIP PPC XPT	3548	4099

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
1330	1.41	16.0		XP-07 - #14	
1511	1.42	19.0		XP-07 - #14	
1963	1.46	21.0		XP-07 - #14	
2445	1.48	23.0		XP-07 - #14	
3556	1.48	20.0		XP-07 - #14	
3560	1.48	22.0		XP-07 - #14	
3865	1.61	28.0		XP-07 - #14	
3952	1.61	25.0		OBM-Low ECD	
4279	1.61	27.0		XP-07 - #14	
4442	1.61	29.0		XP-07 - #14	
4442	1.48	21.0		XP-07 - #14	
4442	1.61	26.0		XP-07 - #14	

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]
6025 Formation pressure (Formasjonstrykk)	pdf	0.22

