

**General information**

Wellbore name	15/12-13 A
Type	EXPLORATION
Purpose	APPRAISAL
Status	JUNKED
Factmaps in new window	link to map
Main area	NORTH SEA
Field	REV
Discovery	15/12-12 Rev
Well name	15/12-13
Seismic location	Survey x-line 896 in-line 1927 at 2645ms
Production licence	038
Drilling operator	Pertra AS (OLD)
Drill permit	1061-L
Drilling facility	WEST ALPHA
Drilling days	7
Entered date	11.05.2003
Completed date	17.05.2003
Release date	17.05.2005
Publication date	15.06.2005
Purpose - planned	APPRAISAL
Reentry	NO
Content	NOT APPLICABLE
Discovery wellbore	NO
Kelly bushing elevation [m]	18.0
Water depth [m]	87.0
Total depth (MD) [m RKB]	2532.0
Final vertical depth (TVD) [m RKB]	2530.0
Maximum inclination [°]	42
Bottom hole temperature [°C]	132
Oldest penetrated age	PALEOCENE
Oldest penetrated formation	SELE FM
Geodetic datum	ED50
NS degrees	58° 2' 3.83" N
EW degrees	1° 55' 4.57" E
NS UTM [m]	6433197.92
EW UTM [m]	436099.90
UTM zone	31
NPDID wellbore	4754

**Wellbore history****General**

Well 15/12-13 is located ca 0.8 km northwest of the 15/12-12 (Varg South) Discovery well. The primary objective was to appraise the Varg South discovery: to define the oil/water contact, measure current reservoir pressure and fluid gradients, confirm reservoir quality and geometry, and confirm geophysical model in terms of depth to top and base reservoir. Potential Kimmeridgian Sandstone immediately above the main Oxfordian reservoir was seen as a secondary objective. The well bore 15/12-13 encountered the Oxfordian sandstones (Intra Heather Formation sandstone) 105 m deeper than the prognosed reservoir, and below the OWC. Since the objective of this well was not met well 15/12-13 A was drilled as a geological sidetrack to 15/12-13. The geological target was the same as in the primary well bore, but ca 300 m southwest of the discovery well 15/12-12.

Operations and results

Appraisal sidetrack well 15/12-13 A was spudded with the semi-submersible installation West Alpha on 11 May 2003. Kick-off was at 1350 m. The well was drilled to 2530 m, when the BHA became stuck repeatedly due to poor hole cleaning and the fact that the formation was reacting with the mud. The well bore was drilled with Sodium silicate (Barasil CX)/KCl/glycol mud. The well bore was logged with LWD only. No wire line logs were run, no pressure or fluid samples were taken, and no cores were cut.

The sidetrack was abandoned in favor of a lower angle sidetrack along a different azimuth. It was permanently abandoned on 17 May as a junked well.

Testing

No drill stem test was performed.

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
1352.00	2530.00

Cuttings available for sampling?	YES
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Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
105	NORDLAND GP
1048	UTSIRA FM
1240	HORDALAND GP
2452	ROGALAND GP



2452	BALDER FM
2468	SELE FM

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

Document name	Document format	Document size [MB]
4754_15_12_13_A_COMPLETION_LOG	.pdf	0.46
4754_15_12_13_A_COMPLETION_REPORT	.PDF	14.48

Logs

Log type	Log top depth [m]	Log bottom depth [m]
LWD - GR RES BAT	1320	2532

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	165.0	36	171.0	0.00	LOT
SURF.COND.	13 3/8	1315.0	17 1/2	1320.0	0.00	LOT
OPEN HOLE		2532.0	12 1/4	2532.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
1460	1.50	26.0		BARASILC-13A	
2532	1.50	24.0		BARASILC-13A	

