General information

Wellbore name	34/7-31 A
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	VIGDIS
Discovery	34/7-23 S
Well name	34/7-31
Seismic location	SG9701& inline 1800/6456
Production licence	089
Drilling operator	Norsk Hydro Produksjon AS
Drill permit	1002-L
Drilling facility	SCARABEO 6
Drilling days	13
Entered date	13.04.2001
Completed date	25.04.2001
Release date	25.04.2003
Publication date	19.10.2006
Purpose - planned	APPRAISAL
Reentry	NO
Content	OIL
Discovery wellbore	NO
1st level with HC, age	LATE JURASSIC
1st level with HC, formation	INTRA DRAUPNE FM SS
Kelly bushing elevation [m]	26.0
Water depth [m]	207.0
Total depth (MD) [m RKB]	3454.0
Final vertical depth (TVD) [m RKB]	2355.4
Maximum inclination [°]	131
Bottom hole temperature [°C]	89
Oldest penetrated age	MIDDLE JURASSIC
Oldest penetrated formation	HEATHER FM
Geodetic datum	ED50
NS degrees	61° 18' 37.68'' N
EW degrees	2° 3' 59.81'' E
NS UTM [m]	6797888.38

EW UTM [m]	450009.18
UTM zone	31
NPDID wellbore	4301

Wellbore history

General

Well 34/7-31 A is a sidetrack to 34/7-31, which found a ca 35 m net column of oil in Intra-Draupne Formation Sandstone. The sidetrack was drilled to map the extent of HC-filled Intra Draupne Formation.

Operations and results

Appraisal well 34/7-31 A was kicked off at 1788 m, just below the 13 3/8" casing in well 34/7-31 on 15 April 2001. The semi-submersible installation Scarabeo 6 was used for the operations. The deviation angle increased throughout the well bore to ca 130 deg at TD, and was between 80 to 90 deg through the Intra-Draupne Formation Sandstone. Only MWD logs are available from the well, no wire line logging was performed. The well was drilled with oil-based mud (Versavert) from kick-off to TD.

The well penetrated 260 m MD of oil-filled Intra-Draupne Formation Sandstone. After that ca 15 m of Draupne Formation shale and 281 m of Heather Formation was penetrated before the younger Cromer Knoll Group was encountered. The eastern development of the Intra Draupne Formation Sandstone was thus mapped practically in-well.

There are no cores from this well bore. No fluid samples were taken.

The well was permanently plugged and abandoned on 25 April 2001as an oil appraisal.

Testing

No drill stem test was performed

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
1800.00	3450.00

Cuttings available for sampling?	YES

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
233	NORDLAND GP
1057	UTSIRA FM
1062	HORDALAND GP

1268	NO FORMAL NAME
1301	NO FORMAL NAME
1470	NO FORMAL NAME
1482	NO FORMAL NAME
1700	ROGALAND GP
1700	BALDER FM
1738	LISTA FM
1892	SHETLAND GP
1892	JORSALFARE FM
2175	KYRRE FM
2815	CROMER KNOLL GP
2815	RØDBY FM
2820	MIME FM
2830	VIKING GP
2830	INTRA DRAUPNE FM SS
3090	DRAUPNE FM
3105	HEATHER FM
3386	CROMER KNOLL GP
3386	MIME FM
3393	RØDBY FM
3395	SHETLAND GP
3395	KYRRE FM

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

Document name	Document format	Document size [MB]
4301_34_7_31_A_COMPLETION_LOG	.PDF	5.61
4301_34_7_31_A_COMPLETION_REPORT	.PDF	24.56

Logs

Log type	Log top depth [m]	Log bottom depth [m]
MWD - VISION ADT	1788	3454

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		1779.0	12 1/4	1779.0	1.82	LOT
OPEN HOLE		3454.0	9 5/8	3454.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
1650	1.51	42.0		OIL BASED	
1788	1.50	38.0		OIL BASED	
2304	1.50	40.0		OIL BASED	
3022	1.50	41.0		OIL BASED	
3089	1.50	44.0		OIL BASED	
3454	0.00			OIL BASED	