General information

Wellbore name	34/7-30 SR
Type	EXPLORATION
Purpose	APPRAISAL
Status	P&A
Factmaps in new window	link to map
Main area	NORTH SEA
Field	TORDIS
Discovery	34/7-25 S
Well name	34/7-30
Seismic location	SG 9201 INLINE 450 & X-LINE 2750
Production licence	089
Drilling operator	Saga Petroleum ASA
Drill permit	952-L2
Drilling facility	SCARABEO 5
Drilling days	21
Entered date	12.11.1999
Completed date	02.12.1999
Release date	02.12.2001
Publication date	11.04.2003
Purpose - planned	APPRAISAL
Reentry	YES
Reentry activity	DRILLING
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	25.0
Water depth [m]	213.0
Total depth (MD) [m RKB]	2478.0
Final vertical depth (TVD) [m RKB]	2269.2
Maximum inclination [°]	46.7
Bottom hole temperature [°C]	73
Oldest penetrated age	MIDDLE JURASSIC
Oldest penetrated formation	HEATHER FM
Geodetic datum	ED50
NS degrees	61° 15' 42.27'' N
EW degrees	2° 10' 13.5'' E
NS UTM [m]	6792385.97
EW UTM [m]	455499.56
UTM zone	31
NPDID wellbore	3886

Wellbore history

General

Well 34/7-30 S is located in the western part of the Southern Triangle Upper Jurassic (STUJ) prospect, segment 2. The prospect is situated in the Southern Triangle, which is confined to the south by the Gullfaks Field and to the east and north by the northern extension of the NW-SE trending Gullfaks Fault and southern part of the Inner Snorre Fault. To the west, the main Tordis Fault separates the Southern Triangle from the Tordis Field. Well 34/7-30-S was a "Drill test well". Its main purpose was to perform an acceptance test of Bideford Dolphins "ramrig" operational performance. The re-entry 34/7-30 SR had a conventional purpose: data acquisition in order to appraise oil reserves in the Draupne Sand in STUJ segment 2.

Operations and results

Appraisal well 34/7-30 S was spudded with the semi-submersible installation "Bideford Dolphin" on 26 May 1999 and drilled to 1148 m (1141.8 m TVD RKB) where it was suspended.& The well was re-entered (34/7-30 S R) with the semi-submersible installation "Scarabeo-5" on 11 November 1999 and drilled to 1365 m MD. Due to drilling problems the well was plugged back and a technical sidetrack (34/7-30 S R T2) was kicked off at 1245 m. The well was finally drilled to 2478 m (2269.2 m TVD RKB) into rocks of Late Jurassic age (Heather Formation). Water based PAC mud was used down to 1148 m and &NOVATEC& oil based (olefins) was used from 1148 m to TD. The expected reservoir section, the Upper Draupne Sand, was not found in this well. One core was cut over the possible reservoir interval situated just below the Cromer Knoll Group from 2403 - 2448 m but only claystones and silty claystones of the Heather Formation were penetrated. Five FMT pre-test pressure measurements were attempted between 2399.5 m and 2400.5 m MD. All five pre-tests measurements were tight and no fluid samples were taken. The well was permanently abandoned as a dry appraisal well on 2 December 1999.

Testing

No drill stem test was performed

Cores at the Norwegian Offshore Directorate

Core sample number	Core sample - top depth	Core sample - bottom depth	Core sample depth - uom
1	2403.0	2448.3	[m]

Total core sample length [m]	45.3
Cores available for sampling?	YES

Core photos


2403-2408m


2408-2413m


2413-2418m


2418-2423m


2423-2428m


2428-2433m


2433-2438m


2438-2443m


2443-2448m


2448-2449m

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
238	NORDLAND GP
925	UTSIRA FM
1035	HORDALAND GP
1678	ROGALAND GP
1678	BALDER FM
1735	LISTA FM
1935	SHETLAND GP
1935	JORSALFARE FM
2389	CROMER KNOLL GP
2389	RØDBY FM
2395	MIME FM
2399	VIKING GP
2399	HEATHER FM

Composite logs

Document name	Document format	Document size [MB]
3886	pdf	0.17

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

Document name	Document format	Document size [MB]
3886_34_7_30_SR_COMPLETION_LOG	.pdf	1.33
3886_34_7_30_SR_COMPLETION_REPORT	.pdf	2.88

Logs

Log type	Log top depth [m]	Log bottom depth [m]
AITH DSI PEX ACTS GR	2342	2477
CBL VDL GR USIT	1211	2340
MDT GR	2400	2480
MWD - GR RES DIR	1142	2403
MWD - GR RES DIR	2448	2478
VSP (ABORTED)	0	0

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
INTERM.	9 5/8	2380.0	12 1/4	2380.0	1.64	LOT
OPEN HOLE		2478.0	8 1/2	2478.0	1.70	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
1177	1.43	27.0		OIL BASED	
1262	1.43	31.0		OIL BASED	
1276	1.43	30.0		OIL BASED	
1365	1.43	30.0		OIL BASED	
1994	1.49	31.0		OIL BASED	
2298	1.49	31.0		OIL BASED	
2362	1.60	31.0		PSEUDO OIL BASE	
2364	1.60	27.0		PSEUDO OIL BASE	
2411	1.60	27.0		PSEUDO OIL BASE	
2478	1.60	27.0		PSEUDO OIL BASE	