General information

Wellbore name	33/9-19 A
Type	EXPLORATION
Purpose	APPRAISAL
Status	P&A
Factmaps in new window	link to map
Main area	NORTH SEA
Field	SYGNA
Discovery	33/9-19 S Sygna
Well name	33/9-19
Seismic location	E 86 REPR. 93 INLINE 620 & CROSSL. 990
Production licence	037
Drilling operator	Den norske stats oljeselskap a.s
Drill permit	857-L
Drilling facility	TRANS. WILDCAT
Drilling days	18
Entered date	23.07.1996
Completed date	09.08.1996
Release date	09.08.1998
Publication date	01.07.2004
Purpose - planned	APPRAISAL
Reentry	NO
Content	OIL
Discovery wellbore	NO
1st level with HC, age	MIDDLE JURASSIC
1st level with HC, formation	ETIVE FM
2nd level with HC, age	MIDDLE JURASSIC
2nd level with HC, formation	RANNOCH FM
Kelly bushing elevation [m]	25.0
Water depth [m]	304.0
Total depth (MD) [m RKB]	3514.0
Final vertical depth (TVD) [m RKB]	3057.0
Oldest penetrated age	EARLY JURASSIC
Oldest penetrated formation	AMUNDSEN FM
Geodetic datum	ED50
NS degrees	61° 28' 33.56'' N
EW degrees	1° 59' 50.6'' E
NS UTM [m]	6816380.31
EW UTM [m]	446585.05

UTM zone	31
NPDID wellbore	2872

Wellbore history

General

Well 33/9-19 A is situated in the Tampen Spur area. The well 33/9-19 A was drilled to the Statfjord Nord Nordøst Segment (SFNNÏS) of the Statfjord Field. This segment lies at the north-eastern extension of the Statfjord North Field structure in both blocks 33/9 and 34/17. The primary objective for the well 33/9-19 A was to identify the level of oil-water contact or a deep "oil-down-to-situation" within the Nord Nordøst Segment. The secondary objective was to test the SFNNÏS Brent prospect on the north-western side of the Nordøst Segment main fault.

Operations and results

The well 33/9-19A was spudded on the 23 of July 1996, using the semi-submersible installation "Transocean Wildcat". The well 33/9-19 A was sidetracked from well 33/9-19 S in a north- north-western direction. Well 33/9-19 A was drilled from kick off at 2000 m to TD in the Lower Jurassic Dunlin Group at 3514 m (3057.1 m TVD RKB). The section from 2000 - 3514 m (1999.9 - 3057.0 m TVD RKB) was drilled in one bit run with Ancovert Oil based mud.

Repeated overpull and short stuck events made the logging-run operations difficult. Reservoir characteristics were similar to the Statfjord Nord Field. The oil-water contact was in the Rannoch Formation at approximately 2942 m (2735 m TVD RKB). The Brent Group sands were not encountered northwest of the main fault. TD was at 3514 m (3032 m TVD RKB) in the Dunlin Group. No fluid samples were collected and no coring was performed in the well.

The well was permanently plugged and abandoned as an oil appraisal well on 9 August 1996.

Testing

No drill stem test was performed

Palynological slides at the Norwegian Offshore Directorate

Sample depth	Depth unit	Sample type	Laboratory
2800.0	[m]	DC	UOS
2810.0	[m]	DC	UOS
2820.0	[m]	DC	UOS
2830.0	[m]	DC	UOS
2837.0	[m]	DC	UOS
2840.0	[m]	DC	UOS
2846.0	[m]	DC	UOS
2852.0	[m]	DC	UOS

2858.0	[m]	DC	UOS
2861.0	[m]	DC	UOS
2867.0	[m]	DC	UOS
2870.0	[m]	DC	UOS
2876.0	[m]	DC	UOS
2885.0	[m]	DC	UOS
2894.0	[m]	DC	UOS
2903.0	[m]	DC	UOS
2912.0	[m]	DC	UOS
2921.0	[m]	DC	UOS
2930.0	[m]	DC	UOS
2951.0	[m]	DC	UOS
2960.0	[m]	DC	UOS
2969.0	[m]	DC	UOS
2978.0	[m]	DC	UOS
2987.0	[m]	DC	UOS
2996.0	[m]	DC	UOS
3005.0	[m]	DC	UOS
3014.0	[m]	DC	UOS
3023.0	[m]	DC	UOS
3032.0	[m]	DC	UOS
3041.0	[m]	DC	UOS
3050.0	[m]	DC	UOS
3059.0	[m]	DC	UOS
3068.0	[m]	DC	UOS
3076.0	[m]	DC	UOS
3085.0	[m]	DC	UOS
3095.0	[m]	DC	UOS
3104.0	[m]	DC	UOS
3113.0	[m]	DC	UOS
3122.0	[m]	DC	UOS
3131.0	[m]	DC	UOS
3140.0	[m]	DC	UOS
3149.0	[m]	DC	UOS
3158.0	[m]	DC	UOS
3167.0	[m]	DC	UOS
3176.0	[m]	DC	UOS
3185.0	[m]	DC	UOS
3194.0	[m]	DC	UOS
3203.0	[m]	DC	UOS

3212.0	[m]	DC	UOS
3221.0	[m]	DC	UOS
3230.0	[m]	DC	UOS
3239.0	[m]	DC	UOS
3248.0	[m]	DC	UOS
3257.0	[m]	DC	UOS
3266.0	[m]	DC	UOS
3275.0	[m]	DC	UOS
3284.0	[m]	DC	UOS
3293.0	[m]	DC	UOS
3302.0	[m]	DC	UOS
3311.0	[m]	DC	UOS
3320.0	[m]	DC	UOS
3329.0	[m]	DC	UOS
3338.0	[m]	DC	UOS
3347.0	[m]	DC	UOS
3356.0	[m]	DC	UOS
3365.0	[m]	DC	UOS
3374.0	[m]	DC	UOS
3383.0	[m]	DC	UOS
3392.0	[m]	DC	UOS
3401.0	[m]	DC	UOS
3410.0	[m]	DC	UOS
3419.0	[m]	DC	UOS
3428.0	[m]	DC	UOS
3437.0	[m]	DC	UOS
3446.0	[m]	DC	UOS
3455.0	[m]	DC	UOS
3464.0	[m]	DC	UOS
3473.0	[m]	DC	UOS
3482.0	[m]	DC	UOS
3491.0	[m]	DC	UOS
3500.0	[m]	DC	UOS

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
328	NORDLAND GP
960	UTSIRA FM

1131	HORDALAND GP
1681	ROGALAND GP
1681	BALDER FM
1714	LISTA FM
1869	SHETLAND GP
1869	JORSALFARE FM
2219	KYRRE FM
2825	CROMER KNOLL GP
2825	MIME FM
2840	BRENT GP
2840	ETIVE FM
2939	RANNOCH FM
3070	DUNLIN GP
3070	DRAKE FM
3171	COOK FM
3194	BURTON FM
3283	AMUNDSEN FM
3319	DRAKE FM

Composite logs

Document name	Document format	Document size [MB]
2872	pdf	0.16

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

Document name	Document format	Document size [MB]
2872_33_9_19_A__COMPLETION_REPORT_AND_COMPLETION_LOG	pdf	14.70

Logs

Log type	Log top depth [m]	Log bottom depth [m]
DIL BHC GR AMS	1951	3160
LDL CNL GR AMS	1951	3144
MWD - DPR II	1952	3514

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		3514.0	8 1/2	3514.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
2314	1.62	45.0		ANCO VERT	
2789	1.62	35.0		ANCO VERT	
2838	1.68	47.0		ANCO VERT	
2925	1.62	40.0		ANCO VERT	
3514	1.63	42.0		ANCO VERT	