General information

Wellbore name	6508/1-1 A
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Factmaps in new window	link to map
Main area	NORWEGIAN SEA
Well name	6508/1-1
Seismic location	ST9203- INNLIN 1313 & X-LINE 1269
Production licence	213
Drilling operator	Saga Petroleum ASA
Drill permit	964-L
Drilling facility	SCARABEO 5
Drilling days	16
Entered date	29.08.1999
Completed date	13.09.1999
Release date	13.09.2001
Publication date	15.11.2001
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	25.0
Water depth [m]	389.0
Total depth (MD) [m RKB]	2861.0
Final vertical depth (TVD) [m RKB]	2563.5
Maximum inclination [°]	40.7
Bottom hole temperature [°C]	86
Oldest penetrated age	MIDDLE JURASSIC
Oldest penetrated formation	MELKE FM
Geodetic datum	ED50
NS degrees	65° 57' 57.03'' N
EW degrees	8° 3' 15.03'' E
NS UTM [m]	7316611.95
EW UTM [m]	457013.94
UTM zone	32
NPDID wellbore	3849

Wellbore history

General

Well 6508/1-1 S was drilled in between the Norne Field and the Nordland Ridge. Well 6508/1-1 A was sidetracked from below the 13 3/8" casing shoe in 6508/1-1 S. Water based mud was used in both well tracks. The main purpose of 6508/1-1 S was to test for the presence of hydrocarbons in the Middle Jurassic, Fangst Group. The secondary purposes were to test for the presence of hydrocarbons in the sandstone immediately above the Tertiary-Cretaceous boundary (Paleocene-Campanian) as well as for possible sandstones in the Cretaceous succession, in the Upper Jurassic Melke Formation, and in lower Jurassic Båt Group. The main purpose of 6508/1-1 A was to test for the presence of hydrocarbons in the Upper Jurassic Rogn Formation. The secondary objective was to test for the presence of sandstone and hydrocarbons both above and below the Tertiary-Cretaceous boundary (Paleocene-Campanian), possible sandstones in the Cretaceous succession, in the Upper Jurassic Melke Formation.

Operations and results

Well 6508/1-1 S proved that the Middle to Lower Jurassic Fangst Group and Båt Group sandstone reservoirs of the target prospect were found water bearing with no shows and very low background gas readings. No, or only traces of sand were encountered in the secondary objectives and no direct hydrocarbon shows detected. However, the gas readings indicated presence of heavier migrated hydrocarbons throughout the Lower Tertiary to Upper Jurassic section in which alkanes up to C5 were detected. No cores were cut and no fluid samples taken. The well was plugged back and well 6508/1-1 A was sidetracked at 1219 m. This well was drilled to TD at 2861 m (2563.5 m TVD RKB) in the Melke Formation. No cores were cut and no fluid samples taken. No significant hydrocarbons were found and the well was plugged and abandoned as a dry hole.

Testing

No drill stem test was performed.

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
1230.00	2859.00

Cuttings available for sampling?	YES

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
414	NORDLAND GP
414	NAUST FM
1340	KAI FM
1642	HORDALAND GP

1642	BRYGGE FM
1875	ROGALAND GP
1875	TARE FM
1947	TANG FM
2009	SHETLAND GP
2009	SPRINGAR FM
2573	VIKING GP
2573	SPEKK FM
2738	MELKE FM

Composite logs

Document name	Document format	Document size [MB]
3849	pdf	0.19

Geochemical information

Document name	Document format	Document size [MB]
3849_1	pdf	1.72
3849_2	pdf	1.87
3849_3	pdf	1.85
3849_4	pdf	1.83
3849_5	pdf	1.80
3849_6	pdf	1.73

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

Document name	Document format	Document size [MB]
3849_6508_1_1_A_COMPLETION_LOG	.pdf	1.90
3849_6508_1_1_A_COMPLETION_REPORT	.pdf	27.85

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	462.5	36	467.0	0.00	LOT

SURF.COND.	13 3/8	1204.0	17 1/2	1209.0	1.71	LOT
INTERM.	9 5/8	2581.0	12 1/4	2587.0	0.00	LOT
OPEN HOLE		2861.0	8 1/2	2861.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
1535	1.40	32.0		kcl mud	
2352	1.40	32.0		kcl mud	
2587	1.40	31.0		kcl mud	
2735	1.40	28.0		kcl mud	
2861	1.40	32.0		kcl mud	