

**General information**

Wellbore name	6508/1-1 S
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- INLINE 1372 & X-LINE 1294
Production licence	213
Drilling operator	Saga Petroleum ASA
Drill permit	961-L
Drilling facility	SCARABEO 5
Drilling days	36
Entered date	25.07.1999
Completed date	29.08.1999
Release date	29.08.2001
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]	2750.0
Final vertical depth (TVD) [m RKB]	2749.2
Bottom hole temperature [°C]	98
Oldest penetrated age	EARLY JURASSIC
Oldest penetrated formation	ÅRE 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	3284

**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]
1210.00	2750.00

Cuttings available for sampling?	YES
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Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
414	NORDLAND GP
414	NAUST FM
1338	KAI FM
1603	HORDALAND GP
1603	BRYGGE FM



1733	ROGALAND GP
1877	SHETLAND GP
1877	SPRINGAR FM
2130	VIKING GP
2130	SPEKK FM
2147	MELKE FM
2351	FANGST GP
2351	GARN FM
2378	NOT FM
2392	ILE FM
2503	BÅT GP
2503	ROR FM
2519	TOFTE FM
2530	TILJE FM
2714	ÅRE FM

Composite logs

Document name	Document format	Document size [MB]
3284	pdf	0.27

Geochemical information

Document name	Document format	Document size [MB]
3284_1	pdf	1.72
3284_2	pdf	1.87
3284_3	pdf	1.85
3284_4	pdf	1.83
3284_5	pdf	1.80
3284_6	pdf	1.73

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

Document name	Document format	Document size [MB]
3284_6508_1_1_S_COMPLETION_LOG	.pdf	4.30
3284_6508_1_1_S_COMPLETION_REPORT	.pdf	35.61





Logs

Log type	Log top depth [m]	Log bottom depth [m]
HALS DSI PEX GPIT	2296	2751
MDI	2352	2744
MSCT	2310	2742
MWD MPR GR DIR	415	2750
VSP	1100	2751

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	1922.0	12 1/4	1929.0	1.65	LOT
LINER	7	2296.0	8 1/2	2297.0	1.60	LOT
OPEN HOLE		2750.0	6	2750.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
467	1.20			spud mud	
580	1.00			spud mud	
1209	1.40	30.0	25.0	kcl mud/gly	
1209	1.20			spud mud	
1780	1.50	36.0	37.0	kcl mud/gly	
1877	1.50	25.0	26.0	kcl mud/gly	
1927	1.50	29.0	23.0	kcl mud/gly	
1929	1.50	30.0	21.0	kcl mud/gly	
2098	1.50	30.0	23.0	kcl mud/gly	
2248	1.50	32.0	23.0	kcl mud/gly	
2297	1.50	28.0	16.0	kcl mud/gly	
2356	1.30	18.0	17.0	kcl mud/gly	
2546	1.30	24.0	22.0	kcl mud/gly	
2750	1.50	31.0	24.0	kcl mud/gly	

