



General information

Wellbore name	6608/10-16
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Press release	link to press release
Factmaps in new window	link to map
Main area	NORWEGIAN SEA
Well name	6608/10-16
Seismic location	NO11M02-inline 2975 & crossline 2507
Production licence	484
Drilling operator	Noreco Norway AS
Drill permit	1505-L
Drilling facility	BREDFORD DOLPHIN
Drilling days	67
Entered date	08.04.2014
Completed date	13.06.2014
Release date	19.05.2015
Publication date	19.05.2015
Purpose - planned	WILDCAT
Reentry	NO
Content	SHOWS
Discovery wellbore	NO
Kelly bushing elevation [m]	25.0
Water depth [m]	371.0
Total depth (MD) [m RKB]	4025.0
Final vertical depth (TVD) [m RKB]	4025.0
Maximum inclination [°]	2.4
Bottom hole temperature [°C]	144
Oldest penetrated age	EARLY JURASSIC
Oldest penetrated formation	ÅRE FM
Geodetic datum	ED50
NS degrees	66° 8' 38.09" N
EW degrees	8° 4' 0.71" E
NS UTM [m]	7336451.05
EW UTM [m]	457886.05
UTM zone	32
NPDID wellbore	7404



Wellbore history

General

Well 6608/10-16 was drilled on the Verdande prospect on the northern part of the Dønna Terrace in the Norwegian Sea. The main objective was to prove economic hydrocarbons in sandstone reservoirs within the Fangst and Båt groups.

Operations and results

Wildcat well 6608/10-16 was spudded with the semi-submersible installation Bredford Dolphin on 8 April 2014 and drilled to TD at 4025 m in the Early Jurassic Åre Formation. A 9 7/8" pilot hole was drilled from 465 m to 734 m where shallow gas was encountered. The pilot was plugged back and after hole opening the BOP was set above the shallow gas zone. Mud losses were experienced when drilling into a fault in the 12 1/4" section. Otherwise, no significant problem was encountered in the operations. The well was drilled with spud mud down to 691 m, with Aquadril mud from 691 m to 1575 m, and with Carbosea oil based mud from 1575 m to TD.

A 160 m thick sandy sequence was encountered at 3152 m in the Lange Formation. The sequence consisted of interbedded mudstone and sandstones, the latter 1 to 5 m thick. Weak oil shows were recorded in this section, and oil was sampled on wire line at 3153.8 m. Weak shows were described in sandstones in the Garn Formation 3717 to 3720 m and in the Ile Formation from 3753 to 3756 m.

No conventional cores were cut in the well. Wire line RCX fluid samples were taken at 3051.9 m (water), 3153.8 m (oil with 40% mud contamination), 3194.9 m (water), 3282 m (water), 3311.2 m (water), 3860.5 m (water), 3868.5 m (water), and 3955.2 m (water).

The well was permanently abandoned on 13 June as a dry well with shows.

Testing

No drill stem test was performed.

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
700.00	4025.00

Cuttings available for sampling?	YES
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Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
397	NORDLAND GP
397	NAUST FM
1395	KAI FM



1507	HORDALAND GP
1507	BRYGGE FM
1891	ROGALAND GP
1891	TARE FM
1950	SHETLAND GP
1950	SPRINGAR FM
2097	NISE FM
3358	CROMER KNOLL GP
3358	LANGE FM
3484	LYR FM
3531	VIKING GP
3531	SPEKK FM
3534	MELKE FM
3653	FANGST GP
3653	GARN FM
3721	NOT FM
3750	ILE FM
3761	BÅT GP
3761	ROR FM
3763	TOFTE FM
3817	TILJE FM
3993	ÅRE FM

Geochemical information

Document name	Document format	Document size [MB]
7404_GCH_1	pdf	0.51
7404_GCH_2	pdf	1.77

Logs

Log type	Log top depth [m]	Log bottom depth [m]
DSL CN ZDL GXPL HDIL	2750	3349
DSL MREX FLEX HDIL	3362	4004
FLEX MREX GR	2800	3356
FLEX MREX GR	3325	3356
LWD - OT	396	691
LWD - OT ST	445	1575





LWD - ZT OT ORD CCN ST	1575	4025
MAXCOR GR	3035	3340
MAXCOR GR	3955	3986
MAXCOR GR	3990	3995
RCX CAL GR	342	3355
RCX XMAC GR	1561	3356
RCX XMAC GR	3656	3996
SBL	2623	3348
VSP	1448	4025

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	462.0	36	465.0	0.00	
SURF.COND.	20	684.0	26	691.0	0.00	
PILOT HOLE		734.0	9 7/8	734.0	0.00	
INTERM.	13 3/8	1561.0	17 1/2	1575.0	0.00	
INTERM.	9 5/8	3349.0	12 1/4	3349.0	0.00	
OPEN HOLE		4025.0	8 1/2	4025.0	0.00	

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
465	1.49	50.0		Spud Mud	
609	1.31	12.0		AQUADRILL	
692	1.29	20.0		Spud mud	
1575	1.30	18.0		Aquadrill	
1689	1.58	39.0		CARBO-SEA	
3355	1.59	42.0		CARBO-SEA	
3614	1.47	44.0		CARBO-SEA	
4025	1.47	36.0		CARBO-SEA	