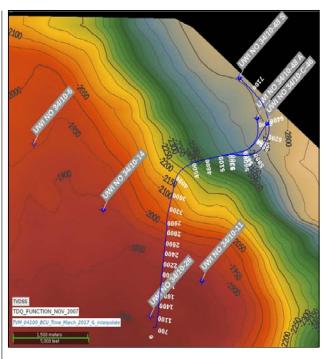


## FINAL COMPLETION LOG **Gimle Field (Topas, GFC)**

Scale 1:500

Well: NO 34/10- C-46 (48 AT2)



**KB Elevation:** 84.1m Water Depth: 216,9m Depth Reference: RKB

5878,0m MD 2845,6m TVD Drillers Total Depth:

Loggers Total Depth:

Formation at Total Depth: unknown

Date Sidetracked: 10 jan 2005 Date Reached TD: 15 ian 2005 Date Completed: 15 feb 2005 Completed Producer

Well Classification: Appraisal / Producer

C. Sparks / J. Arndt Prepared By: Controlled By: P. Zanetta Date: 01 des 2017 Revision:

Slot Location

Licence:

Country: PL050, PL120

Owners: PL050: Statoil (61%),

Norsk Hydro (9%), Petero (30%); PL120: Statoil (30.1%), Petero (16.9%), Norsk Hydro (29%), Conoco (13%), TotalFinaElf (11%).

Field: Gimle (earlier Topas)

Platform: Gullfaks C

**Drilling Contractor:** Smedvig

Schlumberger/Geoservices **Mudlogging Company:** Logging Company: Schlumberger

Stein Befring, Bjørn Kjellin, Svein Erik Ingdahl Geologists:

Schlumberger

+27.8 mE

**MWD** Company

-0,93 mS

The objectives of the well were to explore the Gimle (previously Topas) prospect and 3 leads. The Topas prospect is located northeast and downflank of the Gullfaks structure, in both the PL050 and PL120 licences.
The main objective of the well 34/10-48 S was to test the hydrocarbon potential of the Brent Group in the Topas prospect, should they be economically viable it was planned to complete the well.
The secondary objectives were to test the hydrocarbon potential in 3 leads; the Neste lead east of the Topas prospect, the U2 lead in the slope of the Gullfaks Horst and upper Jurassic at the base of the main bounding fault limiting the Gullfaks Structure to the east.

After the sidetrack 48 A was abondoned a new open-hole sidetrack called 48 AT2 was drilled from 5608m MD. Well 48 AT2 was later renamed to producer 34/10-C-46.
The preliminary results of the well 34/10-48 S indicated that the wellpath had penetrated low on the Topas structure and that the wellpath was not ideal for production. It was therefore decided to drill a sidetrack and aim as high on the re-interpreted structure as possible. The well 34/10-48 A drilled through hydrocarbon filled sands of both Tarbert and Ness Formations before entering the upper Jurobe sequence. The well was abandoned before reentering the Topas structure in the north, due to severe hole problems after a bit trip to change a failed drilling

A short open hole sidetrack 34/10-C-46 was performed with kick-off in the Tarbert Formation. TD for the well was set at 5878m MD/2846m TVD RKB in the upper Jurassic sequ

Well 34/10-C 46 was an open hole sidetrack kicking off at 5608 m MD. The new wellpath was planned to avoid the hard formations experienced in well 34/10-48 A but did not manage to do that and after experiencing ROP around 0.5 m/hrs TD was set at 5878 m MD based on information from the previous 8 ½\* section which showed that this should be enough for production. No remarks to logging.

## Well Configuration and Logging Runs

	Hole Size (")	Hole Section MD (m)	Casing Size (")	Туре	Shoe/Liner MD (m)	LOT / FIT / XLOT					Comments
						Date	Туре	Result (g/cc)	Depth MD (m)	TVD RKB (m)	
Г	12 1/4"	5105,0	9 5/8"	Casing shoe	5105	08 nov 2004	FIT	1,850	5105	2873,9	This casing was part of motherwell 48 S. FIT was performed before drilling wellbore 48A.
	8 1/2"	5878,0	7"	Liner shoe	5877						

Run	Hole Size (")	Suite	Dates (From-To)	Interval MD (m)	Max Temp. (°C)	Comments
11	8 1/2"	GR-RES-DEN-NEU	10 jan 2005 - 16 jan 2005	5608,0 - 5878,0	111	Real time and memory data was lost from the ADN tool due to interval with hard stringers at start of run.

Wireline Logging Summary								
D	Hole Size	Cia-	Dates	Interval MD	Max Temp.	Comments		
Run	(")	Suite	(From-To)	(m)	(°C)	Comments		

Number	T	Top MD	Top TVD RKB	Base MD	Base TVD RKB	Comments
Number	Type	(m)	(m)	(m)	(m)	Comments
1	PERF	5157,4	2889,3	5258,3	2892,2	Tarbert 3A/B & /2B
1	PERF	5304,2	2882,8	5320,6	2878,9	Tarbert 2A/B
1	PERF	5330,4	2876,6	5346,8	2872,6	Tarbert 2A
1	PERF	5360,1	2869,5	5386,3	2863,7	Tarbert 1B/C
1	PERF	5425,5	2856,2	5451,6	2850,3	Tarbert 1A
1	PERF	5468,0	2846,4	5491,1	2841,4	Tarbert 1A
1	PERF	5508,1	2838,8	5517,9	2837,8	Tarbert 1A
1	PERF	5554,5	2835,8	5564,2	2835,4	Tarbert 2B
1	PERF	5574,5	2834,8	5612,9	2832,8	Tarbert 2A
1	PERF	5691,7	2833,3	5692,7	2833,4	Heather Fm.
1	PERF	5762,7	2836,9	5772,5	2837,4	Heather Fm.
1	PERF	5779,9	2837,8	5812,6	2840,0	Heather Fm.
1	PERF	5823.5	2840.9	5833.2	2841.7	Heather Fm.

Strat, Unit	Name	Top MD	Top TVD RKB
Strat. Unit	Name	(m)	(m)
GROUP	Brent	5158,0	2889,5
GROUP	Viking	5611,0	2832,9
FORMATION	Heather	5611,0	2832,9
FORMATION	undifferentiated	5860,0	2844,0
MEMBER	Base Intra Heather Sand	5795,0	2838,7
MEMBER	Top Intra Heather Sand	5813,0	2840,0

