



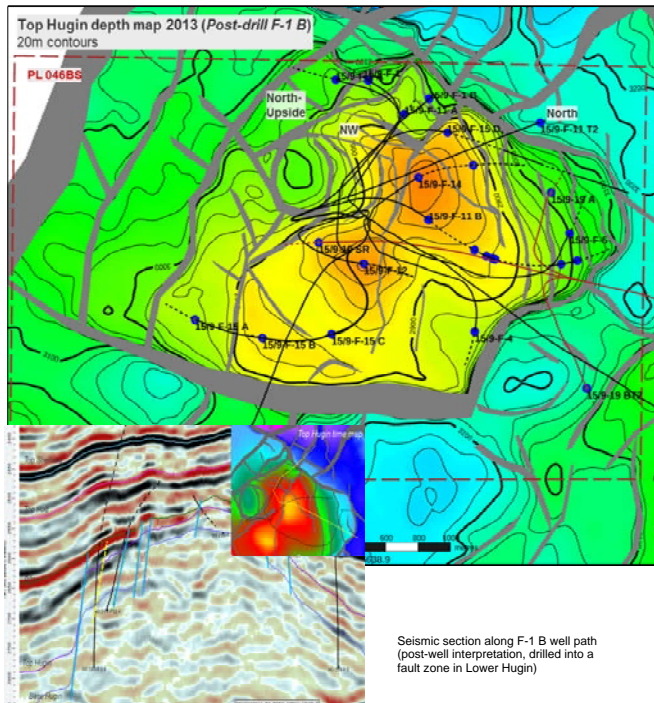
## COMPLETION LOG

## VOLVE

Scale: 1 / 500

## Well: NO 15/9-F-1 B

Location Map



KB Elevation 54.9 m  
Water Depth 91 m  
Depth Reference RKB  
Total Depth (Driller) 3465.0 m MD RKB  
3259.9 m TVD RKB

Country Norway  
Licence PL046 BS  
Owners Statoil (59.6%, Op.),  
ExxonMobil Norway (30.4%),  
Bayergas Norge (10%)

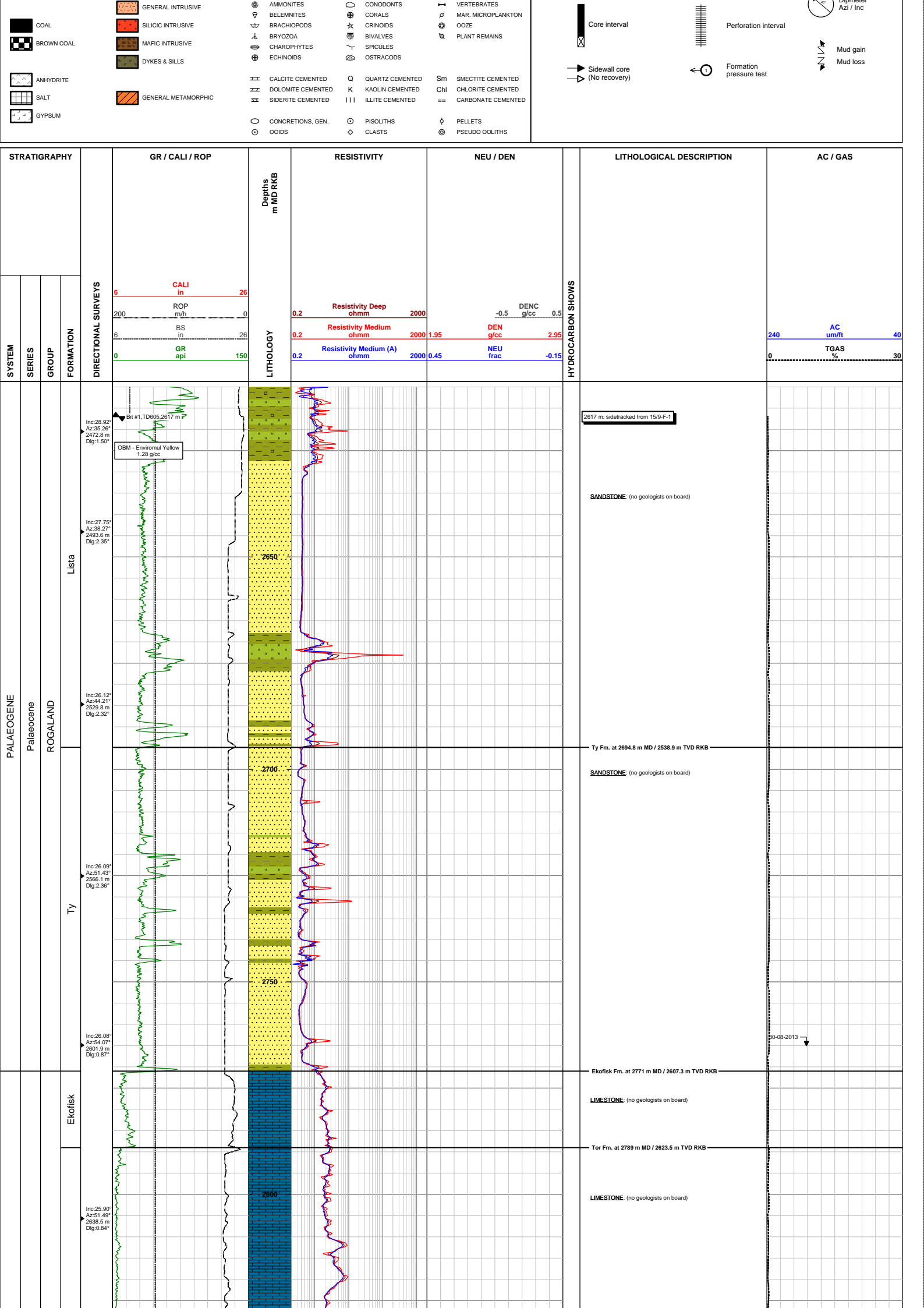
Formation at Total Depth Sleipner  
Date Sidetracked 29.08.2013  
Date Reached TD 06.09.2013  
Date Completed 25.12.2013  
Well Status P&A oil; sidetracked  
Well Classification water injector (NW segment)

Field Rig Volve  
Mærsk Inspirer  
Drilling Contractor Mærsk  
Mudlogging Company Baker Hughes  
Logging Company Schlumberger  
MWD Company Baker Hughes  
Geologists S. Mitchinson, U. Bryla

Prepared by P. Kaiser  
Controlled by P. Kaiser, J. Gilpin  
Date 01.02.2014  
Revision 0

Well Coordinates UTM zone 31 N 6478566.69 m N 435046.49 m E  
Geographic ED50 58° 26' 29.907 N 1° 53' 14.707 E

Casing Records			LOT / FIT				Comments
Diameter	Shoe depth m MD RKB	Shoe depth m TVD RKB	Type	Result g/cc	Depth m MD RKB	Depth m TVD RKB	<div>Objectives: - water injector to support oil production from the Volve Northwest segment via existing producers up-flank in the Main Field</div> <div>Summary: - encountered an oil filled Hugin Formation; ~20 m TVD deeper than prognosed - Upper Hugin and Thief zone were present, but most of the Lower Hugin stratigraphy was however missing/faulted out, giving a total Hugin thickness of 58 m TVD, opposed to 82 m TVD present in F-11 A - reservoir properties were good and similar to F-11 A, however the main difference compared to other main field oil-bearing wells, was generally higher water saturations - despite of several injection tests and re-perforating only a small, restricted area was pressurised</div> <div>Comments: N/A</div>
13 3/8" Casing shoe	2595.4	2451.0					
9 5/8" Casing shoe	3090,1	2895.1					
7" Liner shoe	3463,3	3257.9					



Geological well log for well 2006X, showing depth (m) and various logs (Inc, Az, Dlg, and Lithology).

The log is divided into sections based on geological formations and lithology:

- Upper Cretaceous (SHETLAND):** Includes the Tor and Hod formations.
- Blodøks:** A section of the well log.
- Hidra:** A section of the well log.
- Rødby:** A section of the well log.

Key data points and annotations:

- Inc:** Inclination (e.g., 25.71°, 25.74°, 25.70°, 25.69°, 25.23°, 24.85°).
- Az:** Azimuth (e.g., 53.87°, 57.85°, 58.41°, 51.70°, 51.18°, 52.81°, 52.58°).
- Dlg:** Dip (e.g., 0.79°, 1.27°, 0.18°, 1.03°, 1.12°, 0.32°, 0.92°).
- Lithology:** Descriptions of rock types (e.g., Limestone, Marl, Sandstone, Claystone).
- Depth (m):** Measured Depth (MD) and True Vertical Depth (TVD) are provided for various points.

Well log details:

Formation	Depth (m)	Inc (°)	Az (°)	Dlg (°)	Lithology
Upper Cretaceous (SHETLAND)	2850	25.71	53.87	0.79	
Upper Cretaceous (SHETLAND)	2900	25.74	57.85	1.27	
Upper Cretaceous (SHETLAND)	2950	25.70	58.41	0.18	
Upper Cretaceous (SHETLAND)	3000	25.70	55.21	1.03	
Upper Cretaceous (SHETLAND)	3050	25.69	51.70	1.12	
Upper Cretaceous (SHETLAND)	3100	25.23	51.18	0.32	
Blodøks	3150	24.85	52.81	0.92	
Hidra	3200	20.83	52.58	2.10	
Rødby	3250				

[illegible]

Output log file created : 12.02.2014 14:35:04  
Winlog well ID : 15\_9\_F\_1\_B  
StatoilHydro well ID : NO 15/9-F-1 B  
Template version : v4.0 [20080515] - A.JC  
Project file version : v4.00  
Designed for Winlog Version 4