

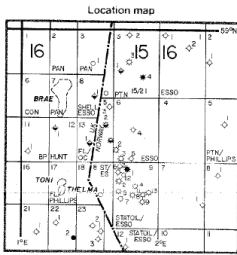
NORSK HYDRO A.S

FINAL REPORT

WELL 15/2-1

LICENCE 048

July 1982.



Scale: 1:500

Coordinates: 58° 45' 19.57" N  
01° 35' 40.54" E

Elevation K.B. 25 m.

Water Depth 109 m

Total Depth (Driller): 4600 m

Total Depth (Logger): 4603 m

Formation at Total Depth: Permian salt

Country: Norway.

Licence: 048

Owners: Statoil, Norsk Hydro, Elf, Total.

Field:

Date Spudded: November 26, 1981.

Reached Total Depth: February 14, 1982

Completed: February 25, 1982

Well Status: Plugged and Abandoned.

Rig: Nortym

Contractor: Golar-Nor.

Mudlogging Company: Gearhard - Geodata

Geologists: M. J. Henderson, D.E. Nilsen,  
B. I. Tollefsen, P.A. Mohandari, K. Kalgraff,  
J.H. Skogen.

Prepared by: D.E. Nilsen, M.S. Henderson, B. I. Tollefsen.

Date: August 24, 1982.

Casing Records

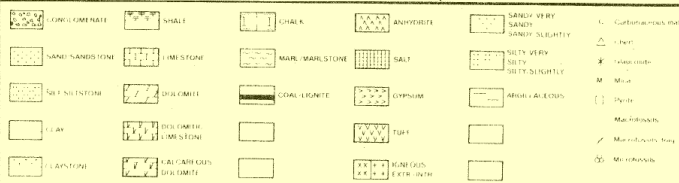
30"	at	196 m
20"	at	653 m
13 x 8"	at	2737 m
9 x 5 1/2"	at	3770 m
7" liner	at	

Comments

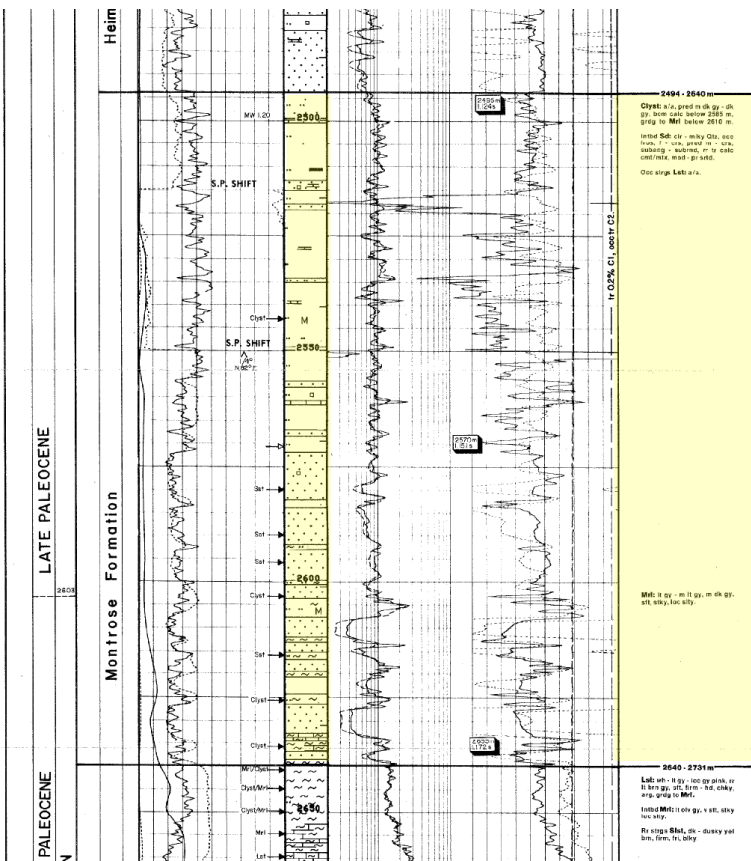
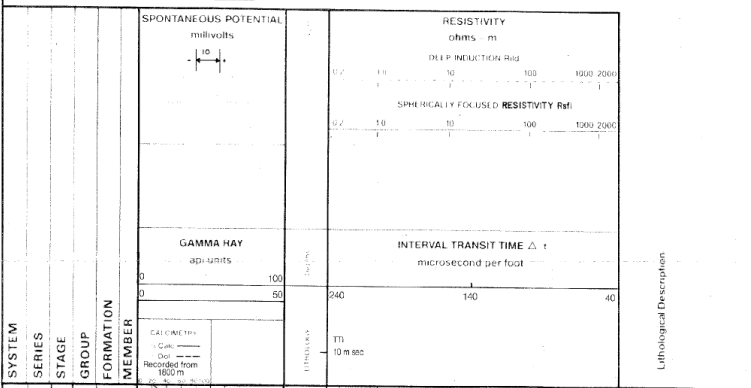
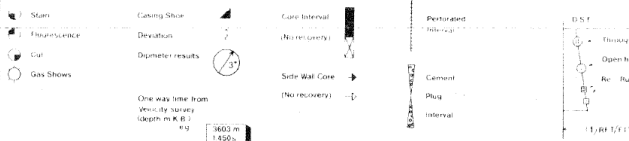
Logs Run

ISF/SONIC	FDC/CNL	HDT	CST	CBL/VDL	RFT
1. 194 - 653 m	1. 653 - 2750 m	1. 2736 - 3785 m	1. 1429 - 2748 m	1. 400 - 2734.5 m	1. 4305.3 - 4417.5 m
2. 653 - 2748.5 m	2. 2750 - 3785 m	2. 3770 - 4565 m	2. 1429 - 2705 m	2. 2246 - 3763 m	2. 4416.3 - 4419 m
3. 2736 - 3786 m	3. 3770 - 4451 m		3. 3537.5 - 3781 m		
4. 3770 - 4451 m	4. 4450 - 4600 m		4. 2754 - 3520 m		
5. 4451 - 4599 m			5. 4357 - 4554 m		
			6. 4131 - 4354 m		
			7. 3783.5 - 4114.5 m		
			8. 3844.5 - 4516 m		

Legend



Hydrocarbon Shows



Well: 15/2-1

2494 - 2640 m

2494 mMDRT

Coordinates:

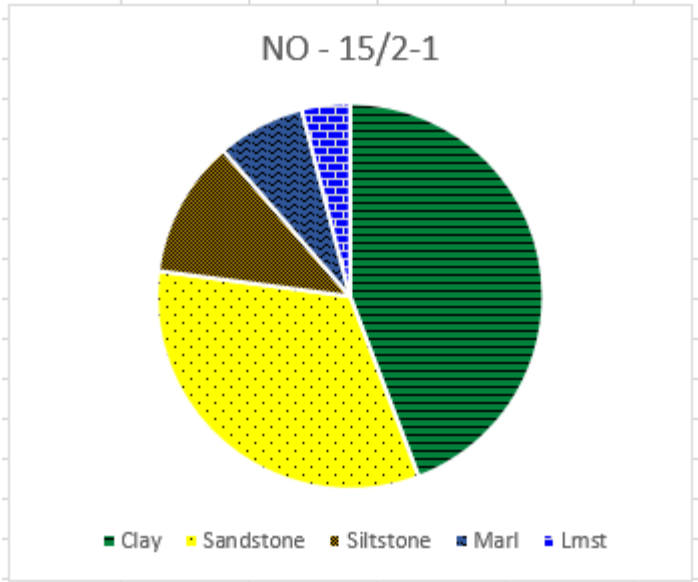
58° 45' 19.57"N

01° 35' 40.54"E

	Clay	Sandstone	Siltstone	Marl	Lmst	
Height	2.84	0.29	1.55	0.33	0.33	
	0.73	0.29	0.41	0.33	0.33	
	1.64	0.29	0.33	0.28	0.33	
	1.18	2.24	0.33	0.56	0.33	
	0.83	1.86	0.33	0.56		
	3.62	1.44	0.83	0.35		
	0.52	0.67				
	1.09	0.92				
	0.91	0.41				
	0.33	0.62				
	0.81	1.4				
		0.35				
Sub-Sum	15	11	4	2	1	
SUM	33				Sense Check	
Litho %	44%	33%	12%	7%	4%	100%

60 %

27 %



2640 mMDRT

2640 - 2731 m

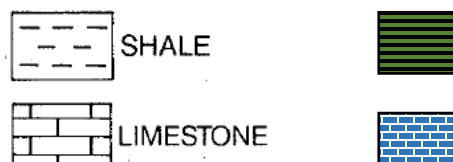


TOP MAUREEN FM

58° 03' 09.16" N  
01° 54' 11.61" E

2.396s





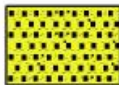











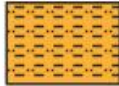


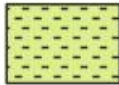

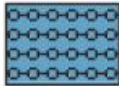
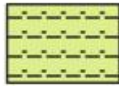


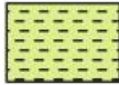




CLAYSTONE:lt gry, gn,  
brn, sft, blk, calc,  
micromic, sl-v slty



2482m (-2459m)

2.411s

# Pattern to be used to create the lithological pie-charts

LEGEND					
Lithology					
	Nannofossil ooze		Sand/Sandstone		Diamict/Diamictite with silt/clay matrix
	Foraminifer ooze		Silty sand		Diamict/Diamictite with sandy matrix
	Calcareous ooze		Clayey sand		Conglomerate
	Diatom ooze		Silt/Siltstone		Breccia
	Radiolarian ooze		Sandy silt		Volcanic ash or tuff
	Nannofossil chalk		Clayey silt		Volcanic lapilli
	Foraminifer chalk		Clay/Claystone		Volcanic breccia
	Chalk		Sandy clay		Silt-sized, sand-sized serpentine
	Limestone		Silty clay		Serpentine breccia
	Chert		Sand-silt-clay		Sheared phacoidal serpentine

is light to pinkish grey, yellowish brown, soft to hard and microcrystalline. The Heimdal Formation is Late Paleocene of age.

Maureen Formation (2494-2640 m)

A sharp change in lithology from sandstone to claystone occur at 2494 m. In the upper part of this interval sand only occurs sporadically as thin beds. From 2572 m sandstone becomes again dominating, claystone occur as interbeds and from 2610 m thin beds of marl are present. Chalky limestones containing rare sand grains, which are considered to be reworked limestone clasts, have been observed throughout the interval.

The claystone is predominantly dark grey and similar to the one above. It is non calcareous in the upper part becoming calcareous downwards and grading into a light grey marl towards the base.

The sandstone is medium to coarse in grain size and occasionally calcite cemented.

The Maureen Formation is of Late Paleocene to Danian (2603-2755 m) age.

CHALK GROUP (2640-3668 m)

Ekofisk Formation (2640-2731 m)

A marked change in lithology occurs at this level, from the clastic deposits of the Montrose Group to the predominantly non clastic deposits of the Chalk Group. The Ekofisk Formation is mainly a limestone/marl interval with rare stringers of siltstone.

The limestone is white to light grey to locally greyish pink and rarely light brownish grey, soft to hard, chalky and argillaceous grading to marl.



# 15/3-2 RESULTS.

PL. 9

DEPTH	STAGE	GROUP	LITHO.	DESCRIPTION
	C			3 9 1 3 m
4000	ALB.-APT.			SHALE DARK-GREY, MICACEOUS.
	NEOC.			4 0 3 7 m
	BARR.			SHALE DARK-GREY, PYRITIC MARL BEIGE WITH Limestone stringers
	KIMM-PORT.	HOT SHALE		4 2 3 6 m
	OXF.			BROWN BLACK SHALE
				4 3 3 2 m
			K1, K2	4 4 0 0 m
				SANDSTONE FINE
4500	CALLOV.-OXF.			4 4 6 4 m
				SILICIOUS CEMENT
				SHALE DARK BROWN, PYRITIC
			K3	4 6 4 4 m

Noise due to mediocre quality of image

Deliberate Sand Stippling

- 8 -

- Middle Oxfordian (4.332 - 4.400 m)

Shale to marl grey, grey-dark, multicoloured in basal part.  
Argillaceous limestone stringers.

Highlighted in yellow:

- Text description confirms no sand is present in the formation
- Image contains "stippling" associated with symbology of sand
- Some "stippling" is a result of poor quality image / noise.

Some "stippling" is noise because it extends beyond the limits of the lithology column and because it is irregular (in a way that the deliberate symbology is not).