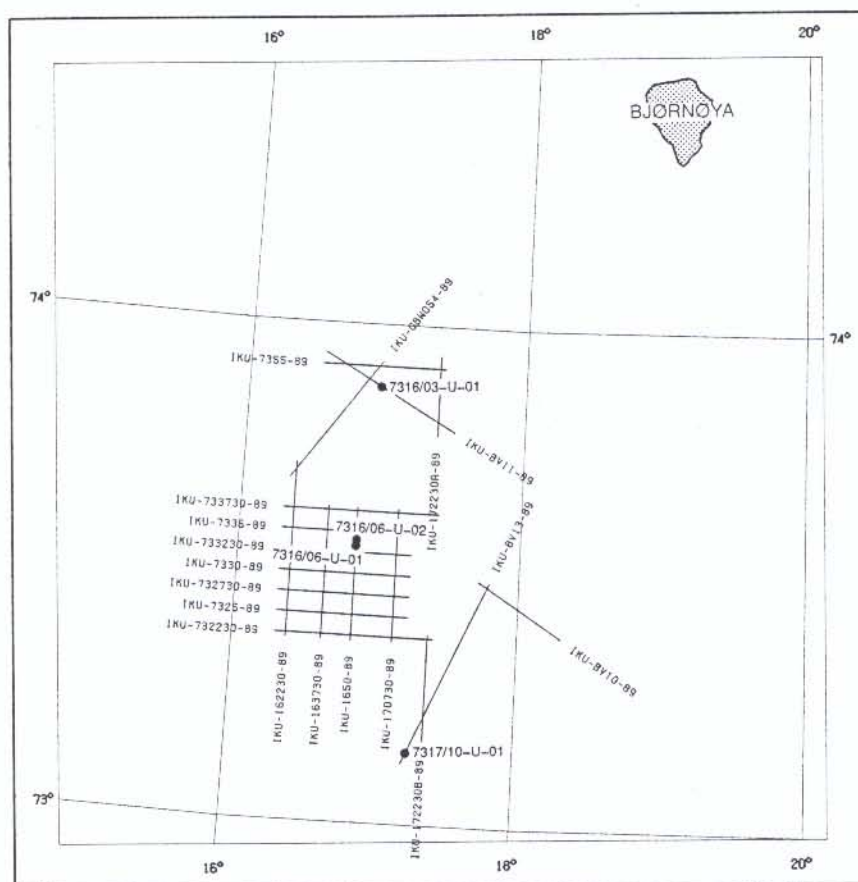


## Shallow Drilling Bjørnøya West 1989

The project comprises drilling of four cores and acquisition of 550 km high resolution seismic in the Bjørnøya West area. The four bedrock cores are Tertiary in age and represent the pre-rift to post-rift depositional episodes. The cores extended 108-225 m below seabed. Totally, 355 m of core was obtained from a cored interval of 415 m (85% recovery). Downhole petrophysical logging was performed in all holes.

The project has led to revision of the Tertiary stratigraphy and provided new information about the Tertiary uplift and erosional history of the Barents Sea. The data will also be of great help for age dating of Tertiary sediments as well as for understanding of the various erosional agents involved in the Cenozoic.



*Four bedrock cores and 550 km of high resolution digital seismic were obtained on the Tertiary wedge to the southwest of Bjørnøya in 1989.*

**Core hole key data of project 21.3465.00: Shallow Drilling Bjørnøya West 1989.**

Core no.	Latitude	Longitude	Penetration in bedrock	Core length	Core recovery	Tot.penetr. below seabed
7316/03-U-01	73°52'55.8"N	16°54'28.9"E	160.8 m	137.7 m	85.6%	192.7 m
7316/06-U-01	73°33'16.5"N	16°49'59.6"E	43.0 m	9.8 m	22.7%	108.0 m
7316/06-U-02	73°34' 7.7"N	16°50' 0.9"E	131.0 m	128.8 m	98.9%	199.5 m
7317/10-U-01	73° 8'58.5"N	17°16'13.0"E	81.4 m	78.4 m	96.3%	224.6 m
Total			416.2 m	354.7 m	85.2%	181.2 m (Av.)

**Participants:**

Amoco, Conoco, Elf, Mobil, Norsk Hydro, OD, Saga, Shell, Statoil, Total.

**Total budget:**

NOK 20.5 million.

**Late participant cost:**

NOK 3.0 million.

**Reports:**

"Shallow drilling Bjørnøya West 1989", 202 pp, 15 App.  
Appendix volume 1: Field reports, logs, etc.  
Appendix volume 2: Quaternary sediments and glacial geology  
Appendix volume 3: Organic geochemistry data  
Appendix volume 4: Core photos

**Data:**

355 m of core (415 m of bedrock penetration)  
Data from 550 km of analog and digital seismic (2.5 sec)  
Downhole petrophysical logs.



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