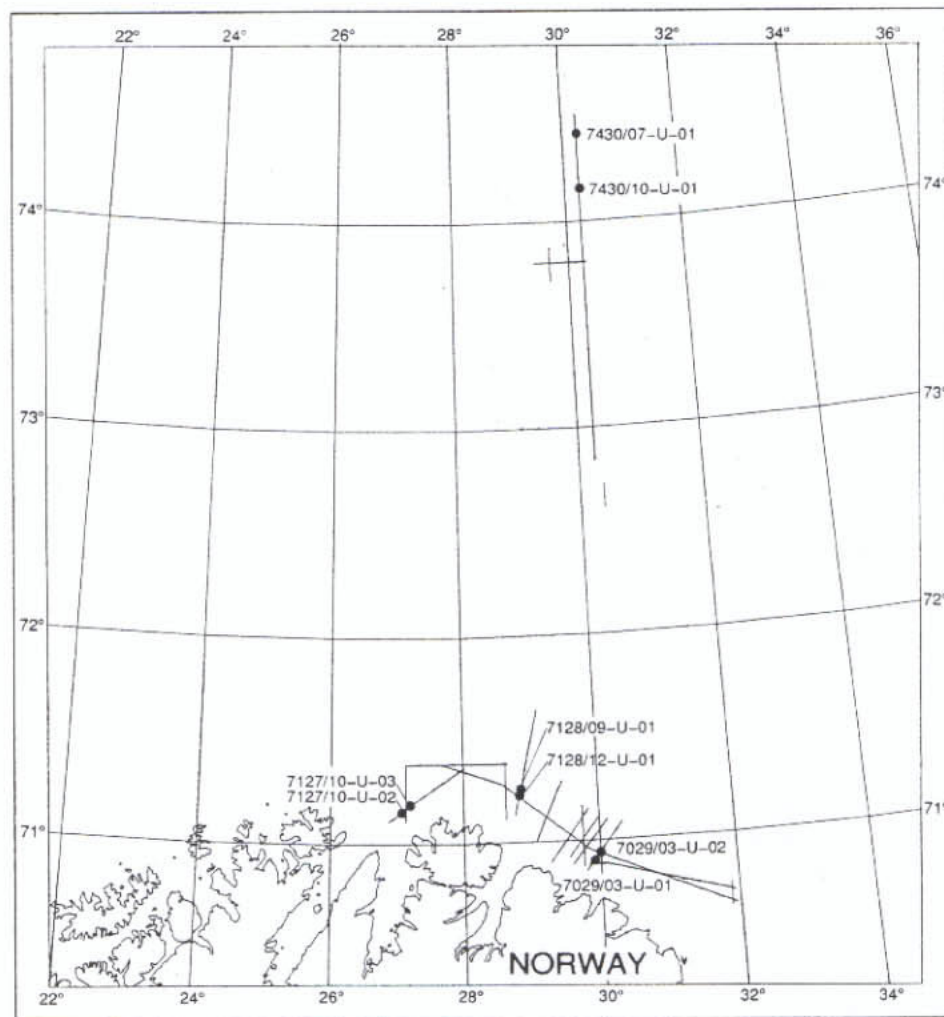


## Shallow Drilling Barents Sea 1988

The project comprises shooting of 1000 km of seismic and drilling of six bedrock cores in the Finnmark East area and two cores north of the Nordkapp Basin at about 74°20'N, 30°E. These two cores are of Triassic-Cretaceous age, while the remaining six cores are mainly Paleozoic. In average, about 100 m were cored per hole, with the deepest one reaching 190 m into bedrock. Downhole logging was performed at all sites.

During the seismic survey analog mini-airgun data was successfully collected simultaneously with multichannel, digital data. Consequently, there is high resolution analog seismic data on all the 800 km of digital seismic lines.



*Eight bedrock cores (approx. 690 m) and 1000 km of high resolution seismic were obtained in 1988.*

**Core hole key data of project 21.3444.00: Shallow Drilling Barents Sea 1988.**

Core no.	Latitude	Longitude	Penetration in bedrock	Core length	Core recovery	Tot. penetr. below seabed
7430/10-U-01	74°12'47.800"N	30°14'44.184"E	57.10 m	55.35 m	96.9%	67.60 m
7430/07-U-01	74°26'34.702"N	30°14'56.145"E	109.88 m	103.50 m	94.1%	117.18 m
7127/10-U-02	71°09'39.459"N	27°05'26.819"E	131.20 m	126.46 m	96.4%	200.20 m
7127/10-U-03	71°10'54.997"N	27°11'02.440"E	78.15 m	56.77 m	72.6%	153.00 m
7128/12-U-01	71°14'25.645"N	28°50'28.851"E	97.68 m	73.84 m	75.6%	160.18 m
7128/09-U-01	71°15'30.244"N	28°51'16.041"E	21.55 m	12.75 m	59.2%	87.75 m
7029/03-U-01	70°54'10.174"N	29°54'15.071"E	93.45 m	83.64 m	89.5%	164.61 m
7029/03-U-02	70°56'07.009"N	29°58'53.562"E	189.10 m	180.91 m	95.7%	200.95 m
<b>Total</b>			<b>778.11 m</b>	<b>693.18 m</b>	<b>Av.89.1%</b>	<b>1151.47 m</b>

**Participants:**

Agip, Amerada Hess, Amoco, BP, Conoco, Elf, Esso, Mobil, Norsk Hydro, OD, Phillips, Saga, Shell, Statoil, Total.

**Total budget:**

NOK 27.02 million.

**Late participant cost:**

NOK 2.652 million.

**Reports:**

"Shallow drilling Barents Sea 1988. Main report", 348 pp  
 Appendix Volume 1 to Main Report: "Field work, analyses etc., core logs (1:100)", 88 pp  
 Appendix Volume 2 to Main Report: "Organic geochemical data", 462 pp  
 "Shallow drilling Barents Sea 1988. Core photos", 83 pp

**Data:**

693 m of core (782 m of bedrock penetration)  
 Petrophysical logs  
 Data from 800 km of digital seismic (2.5 sec)  
 Data from 1000 km of analog seismic (1.0 sec), partly overlapping digital data.



**IKU Petroleumsforskning a.s**  
 IKU Petroleum Research

N-7034 Trondheim, Norway • Phone: + 47 73 59 11 00  
 Fax: + 47 73 59 11 02 (aut.) • Telex: 55 434 iku n