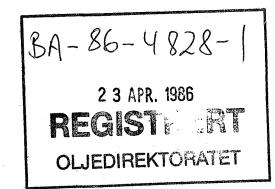
U-482



April 1986

RKER.86.081

GEOCHEMICAL INVESTIGATION OF A GAS SAMPLE FROM WELL 6407/9-5, NORWAY

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Sponsor: Shell Risavika Code: 77,4.103.00

Investigation: 812204001

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RIJSWIJK, THE NETHERLANDS

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INTRODUCTION

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GEOCHEMICAL INVESTIGATION OF A GAS SAMPLE FROM WELL 6407/9-5, NORWAY

1. INTRODUCTION

Geochemical analyses have been carried out on a gas sample from well 6407/9-5 (depth unknown), Norway.

2. RESULTS AND CONCLUSIONS

The composition of the gas (mole %, corrected for the presence of air) and the carbon isotope ratio of methane are follows:

	6407/9-5		
	bottle :	no.	A-4588
Methane	68.07		
Ethane		14.3	35
Propane		10.4	16
i-Butane		0.9	94
n-Butane		1.5	55
neo-Pentane		ND	
i-Pentane		0.2	23
n-Pentane		0.1	9
C ₆ + Hydrocarbons		0.1	4
Hydrogen		ND	
Carbon dioxide		0.8	32
Nitrogen		3.2	24
Hydrogen sulphide		ND	
δ ¹³ c°/00		-52	0

ND = not detectable

The composition of the wet gas (28% C_2+) and the carbon isotope value of $-52.0^{\circ}/\circ$ 0 indicate a thermal origin.

The gas is an oil associated gas generated from a kerogenous source rock.

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