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**Title**

GEOCHEMICAL DATA REPORT FOR WELL 30/3-2R

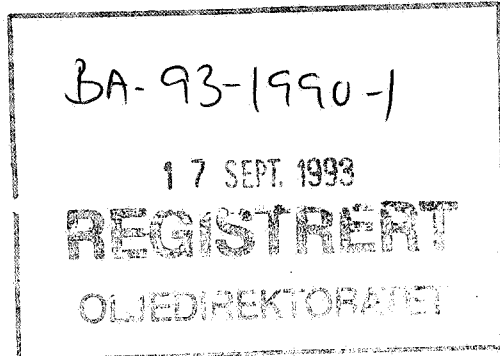
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**Abstract**

Three samples from the cored interval in well 30/3-2R have been analysed by Iatroscan (TLC-FID) and the saturated hydrocarbon fractions were analysed by GC-FID and GC/MS.

NOT INCLUDED IN WELL TRADE.



**Key Words**

30/3-2R, geochemistry, GC-FID, GC/MS, Veslefrikk

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## **1 Objectives**

The objective of this study was to characterise the extractable hydrocarbons in three core samples from well 30/3-2R from the Veslefrikk Field, Norway.

## **2 General well information**

The well was drilled by Statoil as operator of licence 052 from 2/9-80 to 16/2-81 and reached a total depth of 3567 mRKB. The KB of the rig was 25 metres and the water depth was 186 metres.

## **3 Samples and analytical scheme**

Three samples were picked from the cored interval in the well on the 16th of September 1992 at NPD's store in Stavanger. The three samples (2833.0, 2864.3 and 2905.7 mRKB core depth) were analysed by Iatroscan (TLC-FID), and the saturated hydrocarbon fractions were analysed by GC-FID and GC/MS.

## **4 Vitrinite reflectance**

No samples were analysed.

## **5 TOC and Rock Eval**

No samples were analysed.

## **6 Iatroscan (TLC-FID)**

Three samples were analysed, and the results are tabulated in Table 1.

## **7 GC-FID**

The saturated hydrocarbon fraction of all three samples (2833.0, 2864.3 and 2905.7 mRKB core depth) were analysed by GC-FID. All the samples have a uniform n-alkane distribution without any signs of biological degradation.

Since the evaporative loss has affected the relative concentration of individual compounds, no ratios were calculated.

The GC-FID chromatograms are shown in figure 1.

## **8 GC/MS**

The saturated hydrocarbon fractions of both samples were analysed by GC/MS and the mass chromatograms for m/z 191, 177, 217 and 218 are shown in figure 2.

Selected biological marker parameters are given in table 2.

## **9 Stable carbon isotopes**

No samples were analysed.

**Tab. 1**

0 WELL NAME	1 NATIONALITY	2 LABORATORY	3 U.DEPTH	4 L.DEPTH	5 SAMPLE TYPE	6 LITHOLOGY	7 EOM mg/g
1 30/3-2R	NOR	SAGA	2833.00	2833.00	CCP	SST	5.35
2 30/3-2R	NOR	SAGA	2864.30	2864.30	CCP	SST	4.16
3 30/3-2R	NOR	SAGA	2905.70	2905.70	CCP	SST	5.49

0 WELL NAME	8 SAT (mg/g)	9 ARO (mg/g)	10 POL (mg/g)	11 SAT %	12 ARO %	13 POLARS %	14 SAT ARO	15 METHODS
1 30/3-2R	3.23	0.82	1.30	60.373832	15.327103	24.299065	3.939024	GC, GC/MS
2 30/3-2R	2.74	0.65	0.77	65.865385	15.625000	18.509615	4.215385	GC, GC/MS
3 30/3-2R	3.92	0.87	0.70	71.402550	15.846995	12.750455	4.505747	GC, GC/MS

**Tab. 2**

0 WELL NAME	1 CONS.	2 UPPER DEPTH	3 DEPTH	4 LITH	5 SAMPLE TYPE	6 Q/E	7 Ts/Tm	8 Z/C	9 ab/ab+ba
1 30/3-2R	SAGA	2833.00	2833.00	SST	CCP	0.24	1.47	0.34	0.90
2 30/3-2R	SAGA	2864.30	2864.30	SST	CCP	0.21	1.29	0.35	0.91
3 30/3-2R	SAGA	2905.70	2905.70	SST	CCP	0.21	1.31	0.35	0.91

0 WELL NAME	10 %22S	11 %20S	12 %bb	13 a/a+j	14 C27st	15 C28st	16 C29st
1 30/3-2R	0.59	0.57	0.60	0.86	36.07	31.33	32.60
2 30/3-2R	0.59	0.56	0.59	0.79	33.77	32.12	34.11
3 30/3-2R	0.59	0.55	0.59	0.79	34.11	31.77	34.11