

U-631

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Saga
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Document Id. : R-EUG-0243
 Reference Code :
 Date : AUGUST 1993
 Revision Number :

Title

GEOCHEMICAL DATA REPORT FOR WELL 6507/8-4

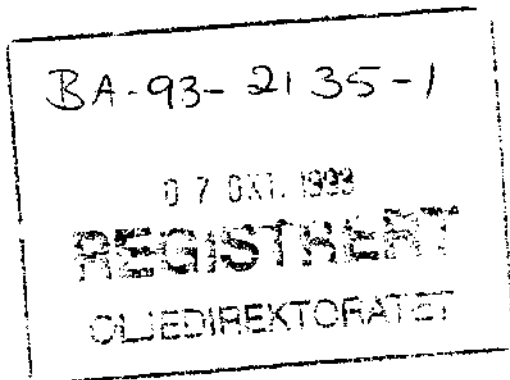
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Abstract

56 samples from the cored interval in well 6507/8-4 have been analysed by Iatroscan (TCL-FID).
 5 samples were analysed by GC-FID and GC/MS, and one sample was analysed for stable carbon isotope.

NOT INCLUDED IN WELL TRADE.



Key Words

6507/8-4, geochemistry, Iatroscan, GC-FID, GC/MS, isotope

Classification: Free Saga and partners Internal Confidential Strictly confidential

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1 Objectives

The objective of this study was to characterise the extractable hydrocarbons in 56 core samples from well 6507/8-4.

2 General well information

The well was drilled by Statoil as operator of licence 124 from 14.6.90 to 13.8.90 and reached a total depth of 2560 mRKB. The KB of the rig was 23 metres and the water depth was 354 metres.

3 Samples and analytical scheme

56 samples were picked from the cored interval in August 1991. All samples were analysed by Iatroscan (TLC-FID), and the saturated hydrocarbon fractions of 5 samples were analysed by GC-FID and GC/MS. One sample was analysed for stable carbon isotope.

4 Vitrinite reflectance

No samples were analysed.

5 TOC and Rock Eval

No samples were analysed.

6 Iatroscan (TLC-FID)

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

7 GC-FID

The saturated hydrocarbon fractions from 5 samples were analysed by Saga Petroleum a.s.. The GC-FID chromatograms are shown in figure 1.

8 GC/MS

The GC/MS analyses were performed by Saga Petroleum a.s. The saturated hydrocarbon fractions from the 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 manually measured by Saga are given in table 2.

9 Stable carbon isotopes

1 sample was analysed.

SAGLAB RESULTS MANAGEMENT : EXTRACTION ANALYSIS RESULTS in mg/g Rock

Data for Well 6507/8-4

Page 1

Type	St.Depth	En.Depth	Weight (g)	EOM mg/g Rock	EOM mg/g TOC	Sat (mg/g)	Aro (mg/g)	NSO (mg/g)	Asph (mg/g)	Polars (mg/g)	TOC (%)	M/I
CCP	2128.50	2128.50	2.65	10.13		3.87	2.78			3.48		I
CCP	2130.50	2130.50	2.78	6.51		2.72	1.90			1.89		I
CCP	2132.50	2132.50	2.30	4.57		1.78	1.13			1.67		I
CCP	2134.50	2134.50	2.57	4.80		2.09	1.36			1.35		I
CCP	2136.50	2136.50	3.00	1.13		0.45	0.29			0.38		I
CCP	2138.50	2138.50	2.65	31.72		11.98	14.30			5.43		I
CCP	2140.00	2140.00	2.91	51.37		18.58	21.15			11.63		I
CCP	2142.50	2142.50	2.69	34.42		13.72	13.37			7.32		I
CCP	2144.50	2144.50	2.83	44.79		17.38	18.66			8.76		I
CCP	2146.50	2146.50	3.01	35.21		14.51	16.34			4.36		I
CCP	2148.50	2148.50	2.72	49.09		19.91	20.57			8.60		I
CCP	2155.50	2155.50	3.22	33.27		13.54	16.23			3.51		I
CCP	2157.50	2157.50	2.84	46.41		19.71	21.34			5.36		I
CCP	2159.50	2159.50	2.39	36.23		15.11	16.47			4.65		I
CCP	2161.50	2161.50	2.47	34.14		14.75	15.36			4.03		I

124 RESULT(s) selected ..., from the following search criteria:

Mat: MOR, Well: 6507/8, Depth
between: 0.000 and 99999.990 m,
MPLC: I

SAGLAB RESULTS MANAGEMENT : EXTRACTION ANALYSIS RESULTS in mg/g Rock

Data for Well 6507/8-4

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Type	St.Depth	En.Depth	Weight (g)	EOM mg/g Rock	EOM mg/g TOC	Sat (mg/g)	Aro (mg/g)	NSO (mg/g)	Asph (mg/g)	Polars (mg/g)	TOC (%)	M/I
CCP	2163.50	2163.50	2.49	34.70		14.15	16.95			3.60		I
CCP	2165.50	2165.50	2.76	24.86		10.83	10.94			3.09		I
CCP	2167.50	2167.50	2.86	27.83		11.39	11.96			4.47		I
CCP	2169.50	2169.50	2.02	19.92		9.31	8.06			2.55		I
CCP	2172.50	2172.50	2.26	0.45		0.19	0.14			0.12		I
CCP	2174.50	2174.50	2.22	0.40		0.20	0.18			0.02		I
CCP	2178.50	2178.50	3.07	0.56		0.11	0.09			0.36		I
CCP	2180.50	2180.50	2.02	9.09		4.63	3.37			1.09		I
CCP	2182.50	2182.50	2.17	0.15		0.09	0.06			0.00		I
CCP	2184.50	2184.50	2.06	0.29		0.09	0.08			0.12		I
CCP	2185.50	2185.50	1.95	0.94		0.56	0.29			0.08		I
CCP	2187.50	2187.50	2.88	0.53		0.38	0.07			0.08		I
CCP	2190.50	2190.50	2.80	2.98		0.21	0.39			2.38		I
CCP	2192.50	2192.50	2.53	0.33		0.13	0.13			0.07		I
CCP	2196.50	2196.50	2.34	0.43		0.15	0.00			0.29		I

124 RESULT(s) selected ..., from the following search criteria:
 Nat: NOR, Well: 6507/8, Depth
 between: 0.000 and 99999.990 m,
 MPLC: I

SAGLAB RESULTS MANAGEMENT : EXTRACTION ANALYSIS RESULTS in mg/g Rock

Data for Well 6507/8-4

Page 3

Type	St.Depth	En.Depth	Weight (g)	EOM mg/g Rock	EOM mg/g TOC	Sat (mg/g)	Aro (mg/g)	NSO (mg/g)	Asph (mg/g)	Polars (mg/g)	TOC (%)	M/I
CCP	2198.50	2198.50	2.68	0.21		0.07	0.00			0.13		I
CCP	2201.60	2201.60	2.23	23.27		11.35	3.00			8.93		I
CCP	2203.50	2203.50	2.79	26.68		12.31	2.39			11.99		I
CCP	2205.50	2205.50	2.04	1.18		0.46	0.00			0.73		I
CCP	2208.90	2208.90	2.99	37.29		16.42	5.74			15.13		I
CCP	2213.50	2213.50	2.20	0.53		0.16	0.00			0.37		I
CCP	2215.40	2215.40	2.49	0.84		0.28	0.00			0.56		I
CCP	2217.50	2217.50	2.48	30.53		13.94	3.83			12.76		I
CCP	2219.50	2219.50	2.68	37.87		16.03	13.09			8.75		I
CCP	2221.50	2221.50	2.89	0.78		0.12	0.00			0.66		I
CCP	2224.50	2224.50	2.90	27.73		11.79	13.00			2.94		I
CCP	2227.50	2227.50	2.37	1.20		0.32	0.12			0.76		I
CCP	2230.50	2230.50	3.35	0.38		0.07	0.00			0.31		I
CCP	2234.50	2234.50	2.81	0.82		0.21	0.00			0.61		I
CCP	2238.50	2238.50	2.71	0.65		0.08	0.00			0.57		I

124 RESULT(s) selected ..., from the following search criteria:

Net: MOR, Well: 6507/8t, Depth
between: 0.000 and 99999.990 m,
MPLC: I

SAGLAB RESULTS MANAGEMENT : EXTRACTION ANALYSIS RESULTS in mg/g Rock

Data for Well 6507/8-4

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Type	St.Depth	En.Depth	Weight (g)	EOM mg/g Rock	EOM mg/g TOC	Sat (mg/g)	Aro (mg/g)	NSO (mg/g)	Asph (mg/g)	Polars (mg/g)	TOC (%)	M/I
CCP	2240.50	2240.50	2.55	0.64		0.13	0.10			0.42		I
CCP	2242.50	2242.50	2.89	1.35		0.52	0.34			0.49		I
CCP	2244.50	2244.50	3.03	39.17		16.68	16.38			6.12		I
CCP	2248.60	2248.60	2.68	41.13		17.35	17.30			6.48		I
CCP	2251.40	2251.40	2.26	7.29		3.66	2.37			1.26		I
CCP	2253.10	2253.10	2.99	51.29		20.62	21.93			8.74		I
CCP	2254.60	2254.60	3.13	2.15		1.16	0.56			0.43		I
CCP	2256.60	2256.60	2.32	0.29		0.17	0.11			0.00		I
CCP	2260.50	2260.50	2.37	0.09		0.08	0.00			0.01		I
CCP	2262.50	2262.50	2.71	4.45		2.58	1.40			0.48		I
CCP	2264.50	2264.50	2.58	6.28		3.35	1.72			1.21		I
Averages this Well:				15.92	0.00	6.65	6.02	0.00	0.00	3.24	0.00	
Averages all Wells:				13.13	183.27	4.65	3.85	0.17	0.00	4.67	0.55	

124 RESULT(s) selected ..., from the following search criteria:

Mat: MOR, Well: 6507/84, Depth
between: 0.000 and 99999.990 m,
MPLC: I

0 well	1	2 nat	4	5 upper depth	6 lower depth	7 sample type	8 Ts/Tm
1 6507/8-4	6507/8-4	nor	saga_sept92	2140.50	2140.5	ccp	1.640000
2 6507/8-4	6507/8-4	nor	saga_sept92	2157.50	2157.5	ccp	1.673913
3 6507/8-4	6507/8-4	nor	saga_sept92	2167.50	2167.5	ccp	1.659574
4 6507/8-4	6507/8-4	nor	saga_sept92	2208.90	2208.9	ccp	1.625000
5 6507/8-4	6507/8-4	nor	saga_sept92	2253.10	2253.1	ccp	1.517241

0 well	9 Z/C	10 Z/Z+E	11 X/E	12 X/X+D	13 E/E+F	14 22S	15 a/a+j	16 20S
1 6507/8-4	0.275229	0.098684	0.167883	0.779661	0.907285	57.485030	0.849057	0.568345
2 6507/8-4	0.372549	0.125828	0.166667	0.771930	0.904110	57.317073	0.836991	0.580882
3 6507/8-4	0.269231	0.092409	0.167273	0.793103	0.904605	57.831325	0.843750	0.565217
4 6507/8-4	0.272727	0.101695	0.173585	0.766667	0.898305	56.886228	0.844444	0.573529
5 6507/8-4	0.147826	0.060714	0.182510	0.727273	0.913194	56.774194	0.856643	0.582222

0 well	17 bbS 217	18 %C27 abbS	19 %C28 abbS	20 %C29 abbS
1 6507/8-4	0.569659	29.166667	31.018519	39.814815
2 6507/8-4	0.569620	30.224525	32.469775	37.305699
3 6507/8-4	0.574074	30.482115	32.348367	37.169518
4 6507/8-4	0.581538	30.390492	32.597623	37.011885
5 6507/8-4	0.581006	31.215971	31.578947	37.205082