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Title

GEOCHEMICAL DATA REPORT FOR WELL 6507/7-2

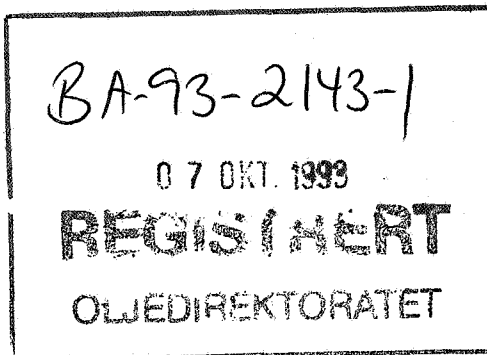
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Abstract

72 samples from the cored interval in well 6507/7-2 have been analysed by Iatroscan (TCL-FID). 5 samples were analysed by GC-FID and GC/MS.

NOT INCLUDED IN WELL TRADE.



Key Words

6507/7-2, geochemistry, Iatroscan, GC-FID, GC/MS

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1 Objectives

The objective of this study was to characterise the extractable hydrocarbons in 72 core samples from well 6507/7-2.

2 General well information

The well was drilled by Conoco as operator of licence 095 from 25.2.85 to 10.6.85 and reached a total depth of 3262 mRKB. The KB of the rig was 25 metres and the water depth was 351 metres.

3 Samples and analytical scheme

72 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.

4 Vitrinite reflectance

No samples were analysed.

5 TOC and Rock Eval

No samples were analysed.

6 Iatroscan (TLC-FID)

72 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

No samples were analysed.

Table 1.

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

Data for Well 6507/7-2

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	2284.50	2284.50	3.18	0.93		0.35	0.20			0.38		I
CCP	2286.50	2286.50	2.89	2.17		0.46	0.09			1.63		I
CCP	2288.50	2288.50	3.13	4.59		0.34	3.99			0.27		I
CCP	2290.00	2290.00	3.13	3.81		0.67	0.29			2.84		I
CCP	2292.00	2292.00	2.68	7.43		1.88	1.08			4.47		I
CCP	2294.00	2294.00	3.15	4.22		1.47	0.74			2.01		I
CCP	2301.00	2301.00	2.23	8.04		2.21	1.58			4.24		I
CCP	2303.50	2303.50	2.25	20.78		6.50	3.91			10.38		I
CCP	2305.50	2305.50	3.01	2.47		0.85	0.11			1.51		I
CCP	2307.00	2307.00	2.00	11.18		4.55	1.81			4.82		I
CCP	2309.00	2309.00	2.70	3.90		1.95	0.57			1.38		I
CCP	2317.60	2317.60	2.39	75.70		29.94	8.04			37.73		I
CCP	2320.50	2320.50	2.51	60.93		26.86	17.09			16.98		I
CCP	2322.50	2322.50	2.10	44.64		21.25	10.55			12.84		I
CCP	2324.50	2324.50	2.64	25.89		13.13	7.14			5.62		I

529 Analyses selected ..., from the following search criteria:

Nat: NOR, Well: 6507/7%, Depth
between: 0.000 and 99999.990 m,
MPLC: I

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

Data for Well 6507/7-2

Page 2

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	2328.50	2328.50	2.45	56.06		24.02	13.63			18.41		I
CCP	2330.50	2330.50	2.39	33.54		14.85	7.34			11.35		I
CCP	2332.50	2332.50	2.20	66.18		28.29	21.43			16.46		I
CCP	2334.50	2334.50	2.69	132.38		52.40	53.28			26.69		I
CCP	2335.60	2335.60	2.74	37.19		16.91	12.00			8.28		I
CCP	2336.90	2336.90	2.64	35.91		13.86	8.59			13.46		I
CCP	2338.50	2338.50	2.39	36.52		12.37	6.66			17.49		I
CCP	2340.50	2340.50	2.47	37.16		14.63	8.31			14.22		I
CCP	2342.50	2342.50	2.53	53.18		18.60	15.43			19.14		I
CCP	2344.50	2344.50	2.77	25.51		10.39	5.89			9.22		I
CCP	2346.50	2346.50	2.64	104.93		32.68	17.83			54.41		I
CCP	2348.50	2348.50	2.37	111.66		34.29	18.31			59.05		I
CCP	2350.00	2350.00	2.66	97.09		30.92	29.13			37.04		I
CCP	2352.50	2352.50	2.83	29.34		9.96	7.81			11.57		I
CCP	2354.50	2354.50	2.86	80.08		22.03	30.94			27.11		I

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MPLC: I

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

Data for Well 6507/7-2

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	2356.50	2356.50	2.15	35.97		10.71	9.22			16.04		I
CCP	2358.50	2358.50	2.66	76.05		24.08	31.67			20.30		I
CCP	2360.50	2360.50	3.07	1.61		0.21	0.42			0.98		I
CCP	2364.00	2364.00	3.04	43.78		13.20	12.07			18.51		I
CCP	2366.00	2366.00	2.64	28.33		7.79	13.02			7.53		I
CCP	2368.00	2368.00	2.06	109.23		35.33	46.67			27.23		I
CCP	2370.00	2370.00	2.31	76.57		22.45	26.63			27.48		I
CCP	2372.00	2372.00	2.35	146.35		48.24	59.72			38.39		I
CCP	2374.00	2374.00	2.73	76.27		22.22	29.16			24.89		I
CCP	2376.00	2376.00	2.29	105.69		30.61	24.00			51.08		I
CCP	2378.00	2378.00	2.16	138.43		45.00	46.68			46.74		I
CCP	2380.50	2380.50	2.48	15.70		5.95	3.45			6.31		I
CCP	2382.50	2382.50	2.70	71.70		20.57	26.34			24.79		I
CCP	2384.50	2384.50	2.45	24.12		7.86	4.95			11.31		I
CCP	2386.50	2386.50	2.46	59.96		19.27	21.01			19.67		I

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

Data for Well 6507/7-2

Page 4

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	2388.50	2388.50	2.50	67.80		27.28	17.21			23.31		I
CCP	2390.50	2390.50	2.91	66.61		23.05	22.31			21.25		I
CCP	2391.90	2391.90	2.75	98.82		30.94	7.78			60.10		I
CCP	2395.50	2395.50	2.59	19.38		7.20	3.22			8.97		I
CCP	2397.50	2397.50	2.66	19.04		7.13	4.01			7.90		I
CCP	2399.50	2399.50	2.42	4.66		2.03	0.76			1.87		I
CCP	2400.50	2400.50	1.94	9.20		4.16	1.68			3.36		I
CCP	2403.50	2403.50	2.57	35.66		12.29	9.37			14.00		I
CCP	2405.50	2405.50	3.44	50.16		12.95	2.85			34.35		I
CCP	2406.70	2406.70	2.92	101.95		33.18	10.01			58.76		I
CCP	2408.50	2408.50	2.77	59.83		3.27	31.46			25.09		I
CCP	2411.50	2411.50	2.19	13.06		4.49	1.94			6.63		I
CCP	2413.60	2413.60	2.99	40.90		9.33	2.14			29.44		I
CCP	2415.50	2415.50	2.86	51.20		19.45	13.98			17.77		I
CCP	2417.50	2417.50	2.71	22.65		7.85	4.90			9.91		I

529 Analyses selected ..., from the following search criteria:

Nat: NOR, Well: 6507/7%, Depth
between: 0.000 and 99999.990 m,
MPLC: I

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

Data for Well 6507/7-2

Page 5

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	2418.70	2418.70	3.24	49.33		12.24	2.95			34.14		I
CCP	2422.00	2422.00	2.83	101.38		31.74	9.12			60.52		I
CCP	2423.50	2423.50	3.16	105.05		31.48	12.34			61.23		I
CCP	2425.50	2425.50	2.42	41.68		10.82	9.25			21.61		I
CCP	2431.50	2431.50	2.26	2.87		0.97	0.50			1.41		I
CCP	2435.50	2435.50	2.07	117.91		30.91	9.53			77.46		I
CCP	2436.50	2436.50	2.43	133.82		36.31	13.81			83.71		I
CCP	2438.50	2438.50	2.32	15.27		5.80	2.85			6.62		I
CCP	2440.50	2440.50	2.40	2.31		0.81	0.63			0.88		I
CCP	2442.50	2442.50	2.24	8.21		1.87	1.27			5.08		I
CCP	2445.50	2445.50	2.09	2.52		0.29	0.16			2.07		I
CCP	2447.50	2447.50	2.86	135.91		42.75	40.47			52.69		I
Averages this Well:				50.00	0.00	16.29	12.57	0.00	0.00	21.14	0.00	

529 Analyses selected ..., from the following search criteria:

Nat: NOR, Well: 6507/7, Depth

between: 0.000 and 99999.990 m,

MPLC: I

Table 2.

0 well	1	2 nat	3 formation	4	5 upper depth	6 lower depth	7 sample type	8 Ts/Tm
1 6507/7-2	6507/7-2	nor		saga_sept92	2317.60	2317.6	ccp	1.607143
2 6507/7-2	6507/7-2	nor		saga_sept92	2334.50	2334.5	ccp	1.516129
3 6507/7-2	6507/7-2	nor		saga_sept92	2368.00	2368.0	ccp	1.433333
4 6507/7-2	6507/7-2	nor		saga_sept92	2406.70	2406.7	ccp	1.531250
5 6507/7-2	6507/7-2	nor		saga_sept92	2436.50	2436.5	ccp	1.551724

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 6507/7-2	0.283019	0.113636	0.290598	0.800000	0.896552	57.692308	0.876254	0.620690
2 6507/7-2	0.321429	0.126761	0.274194	0.809524	0.879433	56.410256	0.864516	0.612903
3 6507/7-2	0.315789	0.120000	0.246212	0.822785	0.891892	57.062147	0.870968	0.623932
4 6507/7-2	0.327273	0.118421	0.264925	0.825581	0.893333	56.725146	0.877023	0.620690
5 6507/7-2	0.307692	0.114286	0.270161	0.827160	0.892086	57.763975	0.887417	0.627273

0 well	17 bbS 217	18 %C27 abbS	19 %C28 abbS	20 %C29 abbS
1 6507/7-2	0.578182	29.650092	32.780847	37.569061
2 6507/7-2	0.579661	29.346093	33.173844	37.480064
3 6507/7-2	0.577617	29.001585	33.597464	37.400951
4 6507/7-2	0.563910	30.114566	33.878887	36.006547
5 6507/7-2	0.565217	30.220713	33.276740	36.502547