



Document Id. : R-EUG-0248
 Reference Code :
 Date : AUGUST 1993
 Revision Number :

Title

GEOCHEMICAL DATA REPORT FOR WELL 6506/12-5

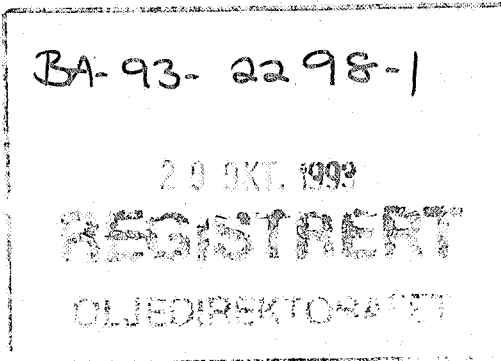
Authors(s)

VENCHE BJERKREIM PEDERSEN

Abstract

84 samples from the cored interval in well 6506/12-5 have been analysed by Iatroscan (TCL-FID).
 1 sample was analysed by GC-FID and GC/MS.

NOT INCLUDED IN WELL TRADE.



Key Words

6506/12-5, geochemistry, Iatroscan, GC-FID, GC/MS

Classification: Free Saga and partners Internal Confidential Strictly confidential

Org. Unit	EUG				
Reviewed	N Mills <i>[Signature]</i>				
Accepted					
Approved	T. Hasland <i>[Signature]</i>				

Hovedkontor/Head Office Oslo:

Adresse/Address: Kjerboveien 18, Postboks 490, N-1301 SANDVIKA
 Telefon/Telephone: Nasjonalt 67 12 66 00, Intern. +47 67 12 66 00

Teleks/Telex: 78852 Saga n
 Telefon: Nasjonalt 67 126866, Intern. +47 67 126866

Driftsdivisjon/Operations Division Stavanger:

Adresse/Address: Godesetdalen 8, Postboks 117, N-4003 FORUS
 Telefon/Telephone: Nasjonalt 04 57 40 00, Intern. +47 4 57 40 00

Teleks/Telex: 33244 sagap n
 Telefaks: Nasjonalt 04 570261, Intern. +47 4 570261

1 Objectives

The objective of this study was to characterise the extractable hydrocarbons in 84 core samples from well 6506/12-5.

2 General well information

The well was drilled by Statoil as operator of licence 094 from 17.10.85 to 23.3.86 and reached a total depth of 4587 mRKB. The KB of the rig was 29 metres and the water depth was 301 metres.

3 Samples and analytical scheme

84 samples were picked from the cored interval in August 1991. All samples were analysed by Iatroscan (TLC-FID), and the saturated hydrocarbon fractions of 1 sample was 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)

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

7 GC-FID

The saturated hydrocarbon fractions from 1 sample was 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.

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

Data for Well 6506/12-5

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	3968.50	3968.50		3.98		3.08	0.82		0.01	0.07		I
CCP	3970.50	3970.50		3.40		2.59	0.66		0.03	0.11		I
CCP	3972.50	3972.50		3.63		2.80	0.72		0.04	0.06		I
CCP	3974.60	3974.60		5.07		3.94	1.06		0.00	0.07		I
CCP	3976.50	3976.50		0.08		0.07	0.00		0.01	0.01		I
CCP	3978.50	3978.50		3.31		2.74	0.50		0.01	0.06		I
CCP	3980.50	3980.50		2.47		2.07	0.35		0.00	0.06		I
CCP	3982.50	3982.50		0.13		0.09	0.00		0.01	0.02		I
CCP	3984.50	3984.50		2.03		1.56	0.32		0.12	0.04		I
CCP	3986.50	3986.50		0.62		0.60	0.00		0.00	0.02		I
CCP	3988.50	3988.50		2.52		2.06	0.41		0.01	0.04		I
CCP	3990.50	3990.50		2.43		1.63	0.26		0.51	0.03		I
CCP	3992.50	3992.50		1.24		0.96	0.23		0.01	0.03		I
CCP	4004.50	4004.50		0.19		0.14	0.00		0.03	0.02		I
CCP	4005.50	4005.50		2.39		1.83	0.49		0.04	0.03		I

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

Nat: NOR, Well: 6506/12-5, Depth
between: 0.000 and 99999.990 m,
MPLC: I

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

Data for Well 6506/12-5

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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	4007.50	4007.50		1.19		0.89	0.21		0.01	0.08		I
CCP	4009.50	4009.50		1.64		1.26	0.34		0.01	0.03		I
CCP	4011.50	4011.50		1.19		0.94	0.22		0.01	0.02		I
CCP	4013.50	4013.50		0.29		0.19	0.00		0.05	0.05		I
CCP	4015.50	4015.50		0.01		0.00	0.00		0.00	0.01		I
CCP	4017.50	4017.50		0.03		0.00	0.00		0.02	0.01		I
CCP	4019.50	4019.50		0.00		0.00	0.00		0.00	0.00		I
CCP	4021.50	4021.50		0.01		0.00	0.00		0.01	0.00		I
CCP	4023.50	4023.50		0.00		0.00	0.00		0.00	0.00		I
CCP	4025.50	4025.50		0.07		0.06	0.00		0.00	0.01		I
CCP	4027.50	4027.50		0.07		0.00	0.00		0.00	0.07		I
CCP	4030.50	4030.50		0.07		0.06	0.00		0.00	0.00		I
CCP	4032.50	4032.50		0.04		0.00	0.00		0.03	0.01		I
CCP	4034.50	4034.50		0.01		0.00	0.00		0.00	0.01		I
CCP	4036.50	4036.50		0.00		0.00	0.00		0.00	0.00		I

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

Nat: NOR, Well: 6506/12-5, Depth

between: 0.000 and 99999.990 m,

MPLC: I

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

Data for Well 6506/12-5

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	4038.50	4038.50		1.01		0.00	0.92		0.01	0.08		I
CCP	4041.50	4041.50		0.02		0.00	0.00		0.01	0.01		I
CCP	4042.50	4042.50		0.10		0.09	0.00		0.00	0.01		I
CCP	4044.50	4044.50		0.02		0.00	0.00		0.01	0.01		I
CCP	4048.50	4048.50		0.14		0.06	0.05		0.01	0.02		I
CCP	4052.50	4052.50		0.22		0.06	0.13		0.00	0.02		I
CCP	4056.60	4056.60		0.02		0.00	0.00		0.00	0.01		I
CCP	4058.50	4058.50		0.10		0.03	0.00		0.01	0.06		I
CCP	4060.50	4060.50		0.25		0.15	0.07		0.00	0.02		I
CCP	4063.50	4063.50		1.75		1.45	0.23		0.03	0.04		I
CCP	4066.50	4066.50		0.25		0.14	0.07		0.01	0.03		I
CCP	4068.60	4068.60		1.11		0.90	0.18		0.00	0.03		I
CCP	4070.50	4070.50		0.10		0.03	0.05		0.01	0.01		I
CCP	4073.50	4073.50		0.19		0.04	0.13		0.01	0.02		I
CCP	4075.50	4075.50		0.04		0.03	0.00		0.00	0.01		I

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

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MPLC: I

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

Data for Well 6506/12-5

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	4077.50	4077.50		0.01		0.00	0.00		0.00	0.01		I
CCP	4079.50	4079.50		1.15		0.00	0.90		0.10	0.14		I
CCP	4085.50	4085.50		0.05		0.04	0.00		0.00	0.01		I
CCP	4087.50	4087.50		0.01		0.00	0.00		0.00	0.00		I
CCP	4090.50	4090.50		0.05		0.03	0.00		0.01	0.01		I
CCP	4092.50	4092.50		0.09		0.04	0.04		0.00	0.01		I
CCP	4094.50	4094.50		0.06		0.04	0.00		0.01	0.00		I
CCP	4096.50	4096.50		0.01		0.00	0.00		0.01	0.01		I
CCP	4098.60	4098.60		0.01		0.00	0.00		0.00	0.01		I
CCP	4102.50	4102.50		0.00		0.00	0.00		0.00	0.00		I
CCP	4104.50	4104.50		0.01		0.00	0.00		0.00	0.01		I
CCP	4106.50	4106.50		0.06		0.04	0.00		0.01	0.01		I
CCP	4112.50	4112.50		0.02		0.00	0.00		0.01	0.01		I
CCP	4114.50	4114.50		0.01		0.00	0.00		0.00	0.01		I
CCP	4118.40	4118.50		0.01		0.00	0.00	0.01	0.00			I

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

Nat: NOR, Well: 6506/12-5, Depth

between: 0.000 and 99999.990 m,

MPLC: I

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

Data for Well 6506/12-5

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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	4120.60	4120.60		0.01		0.00	0.00		0.00	0.01		I
CCP	4122.50	4122.50		0.01		0.00	0.00		0.00	0.01		I
CCP	4124.50	4124.50		0.06		0.05	0.00		0.00	0.01		I
CCP	4126.40	4126.40		0.15		0.11	0.00		0.02	0.01		I
CCP	4128.40	4128.40		0.13		0.13	0.00		0.00	0.00		I
CCP	4130.40	4130.40		0.00		0.00	0.00		0.00	0.00		I
CCP	4132.40	4132.40		0.00		0.00	0.00		0.00	0.00		I
CCP	4134.40	4134.40		0.01		0.00	0.00		0.00	0.01		I
CCP	4136.50	4136.50		0.05		0.04	0.00		0.00	0.01		I
CCP	4137.70	4137.70		0.00		0.00	0.00		0.00	0.00		I
CCP	4139.50	4139.50		0.05		0.03	0.00		0.01	0.01		I
CCP	4143.50	4143.50		0.00		0.00	0.00		0.00	0.00		I
CCP	4146.50	4146.50		0.01		0.00	0.00		0.00	0.01		I
CCP	4149.50	4149.50		0.01		0.00	0.00		0.00	0.01		I
CCP	4152.50	4152.50		0.01		0.00	0.00		0.00	0.01		I

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

Nat: NOR, Well: 6506/12-5, Depth

between: 0.000 and 99999.990 m,

MPLC: I

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

Data for Well 6506/12-5

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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	4155.50	4155.50		0.06		0.05	0.00		0.00	0.01		I
CCP	4158.40	4158.40		0.06		0.05	0.00		0.00	0.01		I
CCP	4161.50	4161.50		0.06		0.04	0.00		0.01	0.01		I
CCP	4164.50	4164.50		0.04		0.01	0.00		0.03	0.01		I
CCP	4167.50	4167.50		0.07		0.06	0.00		0.01	0.01		I
CCP	4170.50	4170.50		0.01		0.00	0.00		0.00	0.01		I
CCP	4173.50	4173.50		0.00		0.00	0.00		0.00	0.00		I
CCP	4176.50	4176.50		0.05		0.04	0.00		0.00	0.01		I
CCP	4179.50	4179.50		0.08		0.07	0.00		0.00	0.02		I
Averages this Well:				0.55	0.00	0.40	0.11	0.01	0.02	0.02	0.00	
Averages all Wells:				0.55	0.00	0.40	0.11	0.01	0.02	0.02	0.00	

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

Nat: NOR, Well: 6506/12-5, Depth

between: 0.000 and 99999.990 m,

MPLC: I

0 well	1	2 nat	3 formation	4	5 upper depth	6 lower depth	7 sample type	8 Ts/Tm
1 6506/12-5	6506/12-5	nor	GARN	saga_sept92	3974.60	3974.6	ccp	1.3

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 6506/12-5	0.453125	0.190789	0.280488	0.841463	0.891304	59.340659	0.779141	0.551724

0 well	17 bbS 217	18 %C27 abbs	19 %C28 abbs	20 %C29 abbs
1 6506/12-5	0.57767	31.498471	32.721713	35.779817