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HYDRO

FORMATION FLUID SAMPLING

Well : 7120/2-2

Rig : Polar Pioneer

Pretest No. : 1		Sample Depth : 2501.0m		Witnesses : Olbeck\Giskeodegaard	
Run No. :2D	Sample No. : 1	1st Chamber	2nd Chamber	3rd Chamber	
Chamber volume (gals/litres)		2 3/4 gal	1 gal		
Chamber No.		RFS - BB 1342	RFS - AC 1094		
Filling time (mins.)		50 min	46 min		
Shut in press. (bar)/T deg C		248.588 / 74.7	248.54 / 79.2	/	
Chamber press. (surf bar)/T		120.0 / 12	- / -	/	
Gas volume (SCF/Sm3)		16.9 SCF			
Oil volume (litres)		1.25 l			
Oil gravity (API/gm/cc)		37.5API/.84SG			
Water / Filtrate (litres)		7 l			
Water / Filtrate PPM CL-		35000ppm			
Water filtrate pH/pF/Ca++		7.3 / - /220ppm	/ /	/ /	
Mud filtrate PPM CL-		37000 ppm			
Mud filtrate pH/pF/Ca++		8.7 /.08 /120ppm	/ /	/ /	
Gas composition %	C1	839520			
	C2	93750			
	C3	65060			
	IC4	4610			
	NC4	16440			
	H2S	-			
	CO2	-			

Remarks :

1 gal chamber to be sent to town unopened.

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HYDRO

FORMATION PRESSURE WORKSHEET

Well No. : 7120/2-2

Rig : Polar Pioneer

Date : 17.03.91

Pressure Units : Bar

RKB-MSL : 23m

Witnessed by:Olbeck/Giskeodegaard

2D Run No.	Depth (MD)	Depth TVD (RKB)	Initial Hydrostatic Press		Formation Pressure		Final Hydrostatic Press		Time		Remarks
			Strain	HP	Strain	HP	Strain	HP	Set	Retract	
1	2501.0	2499.5	281.069	280.414	250.327	249.643	280.943	280.549	08:40	10:25	seg.sample
2	2396.2	2394.7	269.127	268.575	-	-	269.092	268.768	10:38	10:45	tight
3	2396.0	2394.5	269.137	268.767	-	-	269.055	268.843	10:50	10:55	tight
4	2395.6	2394.1	269.091	268.761	-	-	269.185	268.394	11:00	11:04	tight
5	2395.4	2393.9	269.059	268.725	-	-	269.092	268.830	11:08	11:12	tight

Daily mud properties

Date  
6/5-1991

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System : BORE

Norsk  
Hydro

Well: 7120/2-2  
Mud Contractor: PROMUD  
Data: "Mid depth" from table 3, otherwise from table 14.

14.

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Table B-10: Daily Mud Properties

Date	Mid. depth m, MD	Mud Dens. (SG)	PV cp	YP Pa	GEL		pH	100 psi (cc)	HP/HT (cc)	Cl- inn/out mg/l	Alkalinity			Ca++ inn/out mg/l	Oil %	Sol %	H2O %	V.G meter at 115 gr. F						Mud Type		
					0 Pa	10 Pa					Pf	Pm	Mf					600 rpm	300 rpm	200 rpm	100 rpm	6 rpm	3 rpm			
910126	360	1.08	0	0																				SPUD		
910127	421	1.08	0	0			8.5																		SPUD	
910128	445	1.08	0	0			8.5																		SPUD	
910129	459	1.08	0	0			8.5																		SPUD	
910130	459	1.08	0	0			8.5																		SPUD	
910131	583	1.08	0	0			8.5																		SPUD	
910201	800	1.08	0	0			8.5																		SPUD	
910202	800	1.08	0	0			8.5																		SPUD	
910203	800	1.08	0	0			8.5																		SPUD	
910204	800	1.05	18	15	2	2	9.0					0.30	1.10					66	48	39	28	5	3		SPUD	
910205	800	1.05	18	15	2	2	9.0					0.30	1.00					66	48	39	28	5	3		SPUD	
910206	800	1.05	18	15	2	2	9.0					0.30	1.00					66	48	39	28	5	3		SPUD	
910207	800	1.05	18	15	2	2	9.0					0.30	1.00					66	48	39	28	5	3		SPUD	
910208	800	1.05	18	15	2	2	9.0					0.30	1.00					66	48	39	28	5	3		SPUD	
910209	853	1.06	9	5	1	2	9.0			40000/40000		0.30	1.30					29	20	14	9	2	1		KCL/POLYMER	
910210	1155	1.08	13	8	1	2	8.4	6.2		48000/48000		0.20	1.20					43	30	24	15	3	2		KCL/POLYMER	
910211	1350	1.09	13	9	2	3	8.7	5.4		48000/48000		0.20	1.30					44	31	25	17	4	2		KCL/POLYMER	
910212	1497	1.09	13	7	1	2	8.4	5.5		50000/50000			0.80					41	28	21	14	3	1		KCL/POLYMER	
910213	1544	1.08	13	9	2	3	8.5	5.7		46000/46000		0.10	1.00					44	31	24	16	3	2		KCL/POLYMER	
910214	1662	1.10	14	10	2	3	8.4	5.1		35000/35000		0.10	0.90					48	34	28	18	3	2		KCL/POLYMER	
910215	1786	1.12	15	11	2	2	9.2	5.1		36000/36000		0.10	0.90					51	36	29	19	3	2		KCL/POLYMER	
910216	1805	1.12	15	10	2	3	9.4	4.3		36000/37000		0.10	0.90					50	35	28	19	3	2		KCL/POLYMER	
910217	1805	1.12	16	11	3	3	9.5	50.0		36000/37000		0.10	1.10					54	38	31	20	3	2		KCL/POLYMER	
910218	1805	1.12	15	9	2	2	9.2	4.1		42000/42000		0.10	1.10					49	34	28	18	3	1		KCL/POLYMER	
910219	1805	1.14	15	1	2	3	8.9	4.2		37000/37000		0.10	0.90					50	35	29	20	3	2		KCL/POLYMER	
910220	1805	1.14	14	10	2	2	8.9	4.2		36000/36000		0.10	0.80					48	34	27	18	3	2		KCL/POLYMER	
910221	1805	1.14	15	10	2	3	8.7	3.8		36000/36000		0.10	0.90					50	35	28	18	3	2		KCL/POLYMER	
910222	1805	1.14	15	10	2	3	8.7	3.8		36000/36000		0.10	0.90					50	35	28	18	3	2		KCL/POLYMER	
910223	1886	1.14	15	8	1	2	9.3	4.0		36000/36000		0.70	2.60					46	31	25	16	2	1		KCL/POLYMER	
910224	1895	1.14	15	8	1	2	9.4	4.0		37000/37000		0.40	2.30					47	32	25	16	2	1		KCL/POLYMER	
910225	1923	1.14	17	8	1	2	9.0	4.0	11.7	37000/37000		0.30	2.00					51	34	26	17	2	1		KCL/POLYMER	
910226	1933	1.14	17	8	1	2	9.0	3.0	12.0	37500/37500		1.90		1.70				51	34	26	16	2	1		KCL/POLYMER	
910227	2050	1.14	18	10	2	3	9.3	3.3	11.0	37000/37000		0.40	0.70	1.30				56	38	30	20	3	2		KCL/POLYMER	
910228	2162	1.14	16	9	1	2	9.2	3.2	11.0	37000/37000		0.40	0.80	1.30				50	34	28	17	2	1		KCL/POLYMER	
910301	2163	1.14	18	9	2	2	8.7	3.4	11.0	36000/36000		0.10	0.10	0.90				54	36	28	18	3	2		KCL/POLYMER	
910302	2180	1.14	18	11	1	2	8.6	3.5	12.0	36000/36000		0.10	0.10	1.00				58	40	32	21	2	1		KCL/POLYMER	
910303	2201	1.14	20	9	1	2	8.5	3.0	11.0	37000/37000		0.10	0.10	1.00				59	39	30	19	2	1		KCL/POLYMER	
910304	2205	1.14	19	10	1	2	8.3	3.2	9.6	36500/36500		0.10	0.10	0.90				58	39	30	19	2	1		KCL/POLYMER	
910305	2337	1.14	20	10	2	3	8.1	3.4	8.2	38000/38000		0.10	0.10	1.20				59	39	31	19	3	2		KCL/POLYMER	
910306	2402	1.15	18	7	1	2	8.8	3.5	11.2	39000/39000		0.80		1.30				50	32	24	15	2	1		KCL/POLYMER	
910307	2461	1.15	16	9	2	3	9.5	3.8	11.4	40000/40000		0.10		1.50				68	50	34	26	16	2	1		KCL/POLYMER
910308	2568	1.14	19	9	3	4	9.2	3.9	11.8	40000/40000		0.10		1.90				6	56	37	30	20	3	2		KCL/POLYMER
910309	2636	1.14	18	10	2	3	8.9	3.9	11.8	39000/39000		0.20		1.50				6	57	39	32	21	4	2		KCL/POLYMER
910310	2646	1.14	17	9	1	1	9.0	3.5	11.6	39000/39000		0.10		1.90				6	52	35	28	18	3	2		KCL/POLYMER

Daily mud properties

Date  
6/5-1991

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System : BORE

Norsk  
Hydro

Well: 7120/2-2  
Mud Contractor: PROMUD  
Data: "Mid depth" from table 3, otherwise from table 14.

14.

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Date	Mid. depth m, MD	Mud Dens. (SG)	PV cp	YP Pa	GEL 0 Pa	GEL 10 Pa	pH	100 psi (cc)	HP/HT (cc)	Cl- inn/out mg/l	Alkalinity			Ca++ inn/out mg/l	Oil %	Sol %	H2O %	V.G. meter at 115 gr. F				Mud Type				
											Pf	Pm	MF					600 rpm	300 rpm	200 rpm	100 rpm		6 rpm	3 rpm		
910311	2720	1.15	16	8	1	1	9.3	3.6	11.6	38000/38000	0.20		1.50			6		48	32	24	16	3	2	KCL/POLYMER		
910312	2726	1.14	15	8	1	2	8.8	5.7	11.2	39000/39000	0.20		1.50	100/		6		45	30	24	15	3	1	KCL/POLYMER		
910313	2795	1.14	17	9	1	2	8.9	3.4	11.4	38000/38000	0.20		1.40	60/		6		52	35	28	17	3	2	KCL/POLYMER		
910314	2800	1.14	18	9	1	2	8.7	3.8		38000/38000	0.10		1.20	80/		6									KCL/POLYMER	
910315	2800	1.14	16	12	1	2	8.8	3.6		37000/37000	0.10		1.40	60/		6										KCL/POLYMER
910316	2800	1.14	16	10	1	2	8.7	3.6		37000/37000	0.80		1.30	60/		6										KCL/POLYMER
910317	2800	1.14	15	9	1	2	8.6	3.6		37000/37000	0.90		1.30	80/		6		48	33	26	17	3	2		KCL/POLYMER	
910318	1685	1.14	16	9	1	2	90.0	3.4		37000/37000	0.20		1.00			6										KCL/POLYMER
910319	380	1.14	16	9																						KCL/POLYMER
910320	380	1.14	9	12																						KCL/POLYMER
910322	0	1.03	0	0																						SPUD
910323	0	1.03	0	0																						SPUD

((( (ooo) ----- Norsk Hydro	M u d   c o n s u m p t i o n ----- System : BORE	Date 4/7-1991
Well: 7120/2-2 Mud company: PROMUD		13
		Actual used
-----		
Drilling of 36 " hole		
-----		
BARITE	Kg	35
BENTONITE	Kg	61
SODA ASH	Kg	300
Drilling of 24 " hole		
-----		
BARITE	Kg	24
BENTONITE	Kg	36
SODA ASH	Kg	600
Drilling of 17 1/2" hole		
-----		
BARITE	Kg	83
CLAY CAP	Kg	16266
KCL	Kg	6250
MICA	Kg	2953
NUTPLUG	Kg	1436
PROPOL LV	Kg	650
PROPOL REG	Kg	11545
SODA ASH	Kg	1503
XC POLYMER	Kg	1154
DEFOAMER	l	155
KCL BRINE	l	716000
PROBIO	l	25
Drilling of 12 1/4" hole		
-----		
BARITE	Kg	107
BICARBONATE	Kg	808
CLAY CAP	Kg	6260
KCL	Kg	6400
NUTPLUG	Kg	600
PROPOL LV	Kg	4497
PROPOL REG	Kg	5267
SODA ASH	Kg	1137
XC POLYMER	Kg	1244
DEFOAMER	l	170
KCL BRINE	l	172000
PROBIO	l	75

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REGISTRERT

OLJEDIREKTORATET



Institutt for kontinentalsokkelundersøkelser og petroleumsteknologi A/S  
 Continental Shelf and Petroleum Technology Research Institute  
 S.P. Andersen veg 15 b \* N-7034 Trondheim, Norway  
 Tel.: + 47 7 591100 \* Telex: 55 434 iku n \* Telefax: + 47 7 591102 (aut.)

OLJEDIREKTORATET  
 AVD. KONTOR HARSTAD

Journal nr.: 9117911 - 1

22.03.91

# REPORT

REG. NO.:	ACCESSIBILITY:
91.054	Restricted

REPORT TITLE:

**ANALYSIS OF HEADSPACE AND OCCLUDED GAS (C<sub>1</sub>-C<sub>9</sub>)  
 FROM WELL 7120/2-2**

REPORT NO.: 22.1989.00/01/91

AUTHORS:

Inghild Kaarstad

DATE: 29-APR-91	NO. OF PAGES: 49	NO. OF APPENDICES: -	PROJECT MANAGER: Inghild Kaarstad	SIGN.: <i>Inghild Kaarstad</i>
CLIENT: Norsk Hydro a.s, Harstad Attn.: Jan Robert Eide			APPROVED, RESEARCHER RESPONSIBLE: Hermann M. Weiss	SIGN.: <i>Hermann M. Weiss</i>

SUMMARY:

This report contains data from gas-chromatographic analysis of headspace and occluded gas from 56 canned cuttings samples and 1 core chip sample from well 7120/2-2.

The yields (µl gas/dry rock) and relative proportions (vol.%) of 72 hydrocarbon compounds, ranging from C<sub>1</sub> to C<sub>9</sub>, are reported.

KEY WORDS:	
Barents Sea	Gas analysis
Organic geochemistry	
Well 7120/2-2	

## PREFACE

The laboratory work was carried out by Grete Haugen.

### 1. INTRODUCTION

Fifty-six canned cutting samples and one sealed core chip sample from Barents Sea Well 7120/2-2 were received from Norsk Hydro for gas chromatographic analysis of the hydrocarbons contained in the headspace and the occluded gas (C<sub>1</sub>-C<sub>9</sub>), according to Contract No. K03965-08. The samples were received at ambient temperature.

This report contains the results of the gas chromatographic analyses. The hydrocarbon concentrations are expressed as µl gas per kg of dried cuttings (>125µm) or core, respectively. The hydrocarbon composition is expressed as volume percent of all recorded hydrocarbons.

### 2. EXPERIMENTAL METHODS

#### Headspace gas:

A septum was attached to the can and a sample of the headspace gas was taken for analysis of C<sub>1</sub>-C<sub>9</sub> hydrocarbons.

The gas was analysed on an HP 5880A gas chromatograph fitted with a 50 m x 0.2 mm i.d. fused silica column, coated with 0.5µm OV-101, and equipped with an FID for hydrocarbon analysis.

Temperature program: -30°C (2 min.) - 8°C/min. - 150°C (5 min.).

A standard gas sample containing methane, ethane, propane, n-butane, n-pentane, and n-hexane (1000 ppm each) was used for quantification.

The can was then opened and the volumes of the headspace and of the cutting-mud mixture were determined. The cuttings were washed with warm water (30-40°C) on 4.0, 2.0 and 0.125 mm sieves in order to remove the drilling mud and were then weighed and dried.

#### Occluded gas:

Prior to drying, an aliquot of the 2-4 mm fraction of each sample was crushed in water for 10 minutes using a gas-tight ball mill. The evolved gas was analysed as described for headspace gas.

#### Water content:

The water content was determined by drying the fraction >0.125 mm at 35°C for at least 24 hours. It is assumed that this water content is not significantly different from the one of the 2-4 mm fraction.

### 3. COMMENTS ON SAMPLES AND ANALYTICAL DATA

The wet cutting samples were received in pressure-lid cans of 1 l volume. Since the samples had apparently been stored at ambient temperature, a secondary modification of the gas composition by microbial activity cannot be completely ruled out.

The glass with the core chip contained a relatively low concentration of light hydrocarbons in the headspace gas compared to the neighbouring cutting samples.

Paint flakes were observed in the samples from 1970, 2180, 2360, 2630 and 2799.3 metres. Yellow-brown flakes of uncertain origin were observed in samples from 1580, 1670, 2000, 2090, 2120, 2135, 2360, 2450 and 2570 metres.

In the three cases in which the signals of a peak exceeded the range of the Multichrom datasystem (2150 m headspace gas; 2640.40 m occluded gas; 2660 m headspace gas), the concentrations of the respective compounds were calculated manually using the simultaneously recorded data from the HP588A integrator which has a wider dynamic range than the Multichrom system. The results were manually loaded into the geochemical database. The reported data are therefore consistent with those of the remaining samples.

## **TABLES**

Table 1: Sample identification and experimental data, IKU project 22.1989.00, Norsk Hydro well 7120/2-2.

Sample weights, water contents, gas volumes

IKU-ID	Depth (m)	Total weight (dry) (g)	Water cont. (wt%)	Total sample volume (ml)	Head- space vol. (ml)	Wt. occl. (dry) (g)	Gas vol. occl. (ml)
G3189	1400.0	349.1	27.1	530	200	14.7	35.0
G3190	1430.0	370.7	26.0	550	420	15.1	32.5
G3191	1460.0	75.8	26.1	685	130	15.3	30.5
G3192	1490.0	48.6	30.2	560	130	13.5	33.0
G3193	1520.0	93.1	26.5	680	180	14.6	30.0
G3194	1550.0	203.3	26.6	420	530	15.0	32.0
G3195	1580.0	117.3	26.2	570	270	14.8	31.5
G3196	1610.0	118.6	25.9	670	160	15.5	31.0
G3197	1640.0	81.8	25.6	520	200	14.9	31.0
G3198	1670.0	72.8	29.1	530	320	14.3	31.5
G3199	1700.0	95.2	27.4	650	250	14.7	32.0
G3200	1730.0	63.1	22.2	585	165	16.1	29.5
G3201	1760.0	109.8	24.5	450	180	15.6	30.0
G3202	1790.0	27.6	29.1	450	290	9.8	33.5
G3203	1820.0	78.5	27.0	560	190	14.8	30.0
G3204	1850.0	58.8	25.6	550	280	14.9	32.0
G3205	1880.0	40.7	30.7	570	20	13.2	32.0
G3206	1910.0	176.5	28.0	830	85	14.9	30.5
G3207	1940.0	155.7	48.8	490	120	10.8	29.5
G3208	1970.0	89.6	25.8	460	285	15.2	32.0
G3209	2000.0	179.6	26.0	590	310	15.1	31.0
G3210	2030.0	231.6	25.1	680	245	15.4	31.5
G3211	2060.0	268.9	25.6	620	200	15.0	31.5
G3212	2090.0	217.4	26.5	490	300	15.0	31.5
G3237	2105.0	295.4	23.3	750	130	16.0	31.5
G3213	2120.0	269.0	24.1	660	205	15.6	31.5
G3238	2135.0	102.0	30.7	730	50	13.9	30.5
G3214	2150.0	137.7	27.2	690	70	14.8	31.0
G3215	2180.0	83.3	28.5	600	30	14.4	32.0
G3216	2210.0	178.1	21.4	645	70	16.2	33.0
G3217	2240.0	143.1	18.8	550	290	16.8	30.0
G3218	2270.0	108.1	19.9	505	180	16.1	31.5
G3219	2300.0	96.8	23.2	590	170	15.5	32.0

Comments:

Total weight and water content relate to >125µm fraction.

Total sample volume relates to cuttings plus mud.

Headspace volume relates to atmospheric pressure.

Gas volume occl. is the volume of the headspace in the ball mill.

Table 1 cont.: Sample identification and experimental data, IKU project 22.1989.00, Norsk Hydro well 7120/2-2.

Sample weights, water contents, gas volumes

IKU-ID	Depth (m)	Total weight (dry) (g)	Water cont. (wt%)	Total sample volume (ml)	Head- space vol. (ml)	Wt. occl. (dry) (g)	Gas vol. occl. (ml)
G3220	2330.0	188.1	21.3	600	165	15.7	32.0
G3221	2360.0	151.5	19.9	540	190	16.3	32.5
G3222	2390.0	167.2	21.4	550	120	16.0	32.0
G3239	2405.0	232.5	24.7	540	170	15.6	32.0
G3223	2420.0	126.6	23.5	585	220	15.8	32.5
G3224	2450.0	102.9	23.7	600	170	15.3	32.0
G3225	2480.0	126.0	26.7	510	200	14.8	31.0
G3240	2495.0	131.9	24.9	520	190	15.6	32.5
G3226	2510.0	271.2	25.8	580	140	14.8	31.5
G3227	2540.0	395.6	24.0	590	175	15.4	31.5
G3228	2570.0	341.4	26.2	570	170	14.8	31.0
G3229	2600.0	261.2	25.4	590	170	15.1	30.0
G3241	2615.0	279.5	23.9	490	200	15.4	32.0
G3230	2630.0	418.2	25.3	560	250	15.6	33.0
G3245*	2640.4	56.5	5.6	n.d	45	19.5	34.5
G3231	2660.0	379.1	24.7	480	180	15.2	30.0
G3242	2675.0	248.6	22.8	440	210	16.0	32.0
G3232	2690.0	251.5	20.1	700	130	16.5	32.5
G3243	2705.0	426.2	24.0	555	270	15.4	32.5
G3233	2720.0	634.2	23.2	440	270	16.1	31.0
G3244	2735.0	888.9	22.7	584	210	15.5	30.5
G3234	2750.0	920.8	22.9	700	140	15.6	31.0
G3235	2780.0	534.0	22.3	350	210	15.6	30.0
G3236	2799.3	212.9	21.6	680	160	15.8	30.0

Comments:

- Total weight and water content relate to >125µm fraction.
- Total sample volume relates to cuttings plus mud.
- Headspace volume relates to atmospheric pressure.
- Gas volume occl. is the volume of the headspace in the ball mill.

Legend:

- \* - Core sample.

*Table 2. Yield of headspace and occluded gas compounds.*

IKU project 22.1989.00

Well 7120/2-2

Norsk Hydro

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS ( $\mu$ l gas/kg dry sediment)

COMPOUND	SAMPLE-ID DEPTH (m)	G3189/H 1400.00	G3189/O 1400.00	G3190/H 1430.00	G3190/O 1430.00	G3191/H 1460.00	G3191/O 1460.00
C1		2362.83	275.34	3330.57	285.24	6496.66	172.89
C2ene		0.00	21.83	0.00	22.90	0.00	15.43
C2		126.94	65.43	230.31	83.44	256.09	34.78
C3ene		3.02	14.95	0.00	15.28	22.95	19.95
C3		148.11	281.76	278.64	373.19	365.13	183.83
i-C4		52.65	192.39	99.44	254.10	144.22	131.04
C4ene		0.00	0.00	0.00	0.00	0.00	0.00
n-C4		50.53	302.99	98.72	372.76	105.94	180.08
?, RI is 410		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC3		0.00	0.00	0.00	0.00	0.00	0.00
i-C5		28.52	270.44	52.42	308.21	45.20	120.08
C5ene		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		6.06	99.10	13.16	111.87	11.20	48.71
2,2-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
CyC5		0.00	12.01	0.00	13.17	0.00	0.00
2,3-DMC4		0.00	16.10	0.00	17.34	0.00	0.00
2-MC5		0.00	58.93	0.00	62.00	0.00	20.28
3-MC5		3.00	45.48	0.00	46.15	0.00	12.64
C6ene		0.00	0.00	0.00	0.00	0.00	0.00
n-C6		0.00	24.39	0.00	26.46	0.00	11.70
MCyC5		9.08	90.72	13.29	88.03	0.00	25.58
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		0.00	0.00	0.00	0.00	0.00	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
CyC6		0.00	16.25	0.00	17.86	0.00	0.00
2-MC6		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
1,1-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.00	0.00	0.00	0.00	0.00	0.00
1C,3-DMCyC5		0.00	17.76	0.00	16.59	0.00	0.00
1T,3-DMCyC5		0.00	17.79	0.00	16.63	0.00	0.00
1T,2-DMCyC5		0.00	28.15	0.00	27.36	0.00	0.00
n-C7		0.00	0.00	0.00	0.00	0.00	0.00
MCyC6		5.52	60.74	7.55	57.60	0.00	15.77
1,1,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1T,2C,4-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1T,2C,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
1,1,2-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.00	0.00	0.00	0.00	0.00
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1C,3-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1T,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
1C,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1T,2-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
CyC7		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 804		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 814		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 825		0.00	0.00	0.00	0.00	0.00	0.00
ECyC6		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
3-MC8		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 858		0.00	0.00	0.00	0.00	0.00	0.00
2-MC8		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 860		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
Nonenes		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.00	0.00
SUM:		2796.2	1912.5	4124.1	2216.2	7447.4	992.7

IKU project 22.1989.00

Well 7120/2-2

Norsk Hydro

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS ( $\mu$ l gas/kg dry sediment)

COMPOUND	SAMPLE-ID   DEPTH (m)	G3192/H 1490.00	G3192/O 1490.00	G3193/H 1520.00	G3193/O 1520.00	G3194/H 1550.00	G3194/O 1550.00
C1		7339.38	187.59	3675.68	200.11	4762.02	211.79
C2ene		94.41	18.28	0.00	18.95	0.00	17.96
C2		293.68	40.45	164.03	49.41	312.16	39.94
C3ene		33.77	26.32	14.93	29.03	24.65	22.89
C3		309.37	158.29	162.48	139.86	302.19	147.34
i-C4		95.11	78.93	43.48	59.67	87.25	77.45
C4ene		0.00	0.00	0.00	0.00	0.00	0.00
n-C4		50.13	86.33	23.13	55.40	59.24	91.53
? , RI is 410		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC3		0.00	0.00	0.00	0.00	0.00	0.00
i-C5		13.38	34.11	0.00	26.18	23.96	72.91
C5ene		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		0.00	20.26	0.00	17.44	0.00	33.67
2,2-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
CyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
2-MC5		0.00	0.00	0.00	0.00	0.00	18.87
3-MC5		0.00	0.00	0.00	0.00	0.00	14.10
C6ene		0.00	0.00	0.00	0.00	0.00	0.00
n-C6		0.00	0.00	0.00	0.00	0.00	0.00
MCyC5		0.00	0.00	0.00	0.00	0.00	24.46
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		0.00	0.00	0.00	0.00	0.00	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
CyC6		0.00	0.00	0.00	0.00	0.00	0.00
2-MC6		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
1,1-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.00	0.00	0.00	0.00	0.00	0.00
1C,3-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
1T,3-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
1T,2-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
n-C7		0.00	0.00	0.00	0.00	0.00	0.00
MCyC6		0.00	0.00	0.00	0.00	0.00	19.75
1,1,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1T,2C,4-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1T,2C,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
1,1,2-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.00	0.00	0.00	0.00	0.00
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1C,3-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1T,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
1C,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1T,2-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
CyC7		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	0.00	0.00	0.00	0.00	0.00
? , RI is 804		0.00	0.00	0.00	0.00	0.00	0.00
? , RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
? , RI is 814		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
? , RI is 825		0.00	0.00	0.00	0.00	0.00	0.00
ECyC6		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
3-MC8		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
? , RI is 858		0.00	0.00	0.00	0.00	0.00	0.00
2-MC8		0.00	0.00	0.00	0.00	0.00	0.00
? , RI is 860		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
Nonenes		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.00	0.00
SUM:		8229.2	650.5	4083.7	596.1	5571.5	792.7

IKU project 22.1989.00

Well 7120/2-2

Norsk Hydro

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS ( $\mu$ l gas/kg dry sediment)							
COMPOUND	SAMPLE-ID DEPTH (m)	G3195/H 1580.00	G3195/O 1580.00	G3196/H 1610.00	G3196/O 1610.00	G3197/H 1640.00	G3197/O 1640.00
C1		8198.55	204.34	5639.39	182.84	5957.55	169.51
C2ene		0.00	13.56	0.00	12.12	0.00	12.34
C2		354.84	76.73	220.10	68.40	273.47	69.70
C3ene		30.63	52.04	19.95	44.90	16.28	34.96
C3		128.69	128.80	80.64	97.31	84.54	91.23
i-C4		31.26	47.85	22.63	44.00	20.00	34.17
C4ene		0.00	0.00	0.00	0.00	0.00	0.00
n-C4		14.80	45.70	11.82	40.47	0.00	33.30
?, RI is 410		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC3		0.00	0.00	0.00	0.00	0.00	0.00
i-C5		0.00	19.44	0.00	17.99	0.00	11.60
C5ene		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		0.00	15.48	0.00	16.75	0.00	11.93
2,2-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
CyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
2-MC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC5		0.00	0.00	0.00	0.00	0.00	0.00
C6ene		0.00	0.00	0.00	0.00	0.00	0.00
n-C6		0.00	0.00	0.00	0.00	0.00	0.00
MCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		0.00	0.00	0.00	0.00	0.00	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
CyC6		0.00	0.00	0.00	0.00	0.00	0.00
2-MC6		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
1,1-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.00	0.00	0.00	0.00	0.00	0.00
1C,3-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
1T,3-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
1T,2-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
n-C7		0.00	0.00	0.00	0.00	0.00	0.00
MCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1,1,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1T,2C,4-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1T,2C,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
1,1,2-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.00	0.00	0.00	0.00	0.00
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1C,3-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1T,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
1C,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1T,2-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
CyC7		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 804		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 814		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 825		0.00	0.00	0.00	0.00	0.00	0.00
ECyC6		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
3-MC8		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 858		0.00	0.00	0.00	0.00	0.00	0.00
2-MC8		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 860		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
Nonenes		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.00	0.00
SUM:		8758.8	603.9	5994.5	524.8	6351.8	468.8

IKU project 22.1989.00

Well 7120/2-2

Norsk Hydro

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS ( $\mu$ l gas/kg dry sediment)

COMPOUND	SAMPLE-ID   DEPTH (m)	G3198/H 1670.00	G3198/O 1670.00	G3199/H 1700.00	G3199/O 1700.00	G3200/H 1730.00	G3200/O 1730.00
C1		6379.63	159.30	6021.09	170.69	24302.11	491.03
C2ene		0.00	11.50	0.00	11.87	0.00	16.09
C2		277.17	54.17	316.38	77.58	1133.71	264.93
C3ene		23.49	36.44	0.00	26.72	0.00	17.88
C3		124.41	90.60	112.99	127.46	283.30	262.80
i-C4		27.90	29.82	15.32	30.46	28.53	43.06
C4ene		0.00	0.00	0.00	0.00	0.00	0.00
n-C4		0.00	31.68	0.00	30.09	13.97	37.40
?, RI is 410		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC3		0.00	0.00	0.00	0.00	0.00	0.00
i-C5		0.00	0.00	0.00	0.00	0.00	9.52
C5ene		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		0.00	13.66	0.00	0.00	0.00	0.00
2,2-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
Cyc5		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
2-MC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC5		0.00	0.00	0.00	0.00	0.00	0.00
C6ene		0.00	0.00	0.00	0.00	0.00	0.00
n-C6		0.00	0.00	0.00	0.00	0.00	0.00
MCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		0.00	0.00	0.00	0.00	0.00	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
CyC6		0.00	0.00	0.00	0.00	0.00	0.00
2-MC6		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
1,1-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.00	0.00	0.00	0.00	0.00	0.00
1C,3-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
1T,3-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
1T,2-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
n-C7		0.00	0.00	0.00	0.00	0.00	0.00
MCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1,1,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1T,2C,4-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1T,2C,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
1,1,2-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.00	0.00	0.00	0.00	0.00
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1C,3-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1T,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
1C,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1T,2-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
CyC7		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 804		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 814		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 825		0.00	0.00	0.00	0.00	0.00	0.00
ECyC6		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
3-MC8		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 858		0.00	0.00	0.00	0.00	0.00	0.00
2-MC8		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 860		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
Nonenes		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.00	0.00
SUM:		6832.6	427.2	6465.8	474.9	25761.6	1142.7

IKU project 22.1989.00

Well 7120/2-2

Norsk Hydro

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS ( $\mu$ l gas/kg dry sediment)

COMPOUND	SAMPLE-ID DEPTH (m)	G3201/H 1760.00	G3201/O 1760.00	G3202/H 1790.00	G3202/O 1790.00	G3203/H 1820.00	G3203/O 1820.00
C1		4550.14	257.25	28346.74	589.03	4166.71	399.90
C2ene		0.00	14.57	0.00	28.53	0.00	13.99
C2		302.13	128.35	1395.12	143.25	480.32	98.64
C3ene		0.00	19.80	0.00	39.86	12.16	28.84
C3		116.44	199.99	756.61	276.12	293.45	224.05
i-C4		15.86	46.67	105.96	58.23	48.45	53.44
C4ene		0.00	0.00	0.00	0.00	0.00	0.00
n-C4		0.00	41.19	57.46	69.21	27.82	68.32
?, RI is 410		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC3		0.00	0.00	0.00	0.00	0.00	0.00
i-C5		0.00	12.21	0.00	22.71	0.00	35.28
C5ene		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		0.00	11.66	0.00	18.41	0.00	20.49
2,2-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
CyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
2-MC5		0.00	0.00	0.00	0.00	0.00	11.66
3-MC5		0.00	0.00	0.00	0.00	0.00	0.00
C6ene		0.00	0.00	0.00	0.00	0.00	0.00
n-C6		0.00	0.00	0.00	0.00	0.00	0.00
MCyC5		0.00	0.00	0.00	0.00	0.00	15.09
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		0.00	0.00	0.00	0.00	0.00	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
CyC6		0.00	0.00	0.00	0.00	0.00	0.00
2-MC6		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
1,1-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.00	0.00	0.00	0.00	0.00	0.00
1C,3-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
1T,3-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
1T,2-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
n-C7		0.00	0.00	0.00	0.00	0.00	0.00
MCyC6		0.00	0.00	0.00	0.00	0.00	17.59
1,1,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1T,2C,4-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1T,2C,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
1,1,2-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.00	0.00	0.00	0.00	0.00
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1C,3-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1T,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
1C,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1T,2-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
CyC7		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 804		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 814		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 825		0.00	0.00	0.00	0.00	0.00	0.00
ECyC6		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
3-MC8		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 858		0.00	0.00	0.00	0.00	0.00	0.00
2-MC8		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 860		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
Nonenes		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.00	0.00
SUM:		4984.6	731.7	30661.9	1245.4	5028.9	987.3

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS ( $\mu$ l gas/kg dry sediment)							
COMPOUND	SAMPLE-ID DEPTH (m)	G3204/H 1850.00	G3204/O 1850.00	G3205/H 1880.00	G3205/O 1880.00	G3206/H 1910.00	G3206/O 1910.00
C1		11742.87	527.58	1635.08	610.51	700.87	460.77
C2ene		51.35	18.84	5.11	29.23	29.03	13.53
C2		1621.02	132.93	139.03	115.93	154.78	49.60
C3ene		115.84	42.79	5.76	41.61	42.60	40.45
C3		1125.10	329.95	100.20	316.00	185.94	130.70
i-C4		169.48	73.37	16.73	76.59	52.62	44.67
C4ene		0.00	0.00	0.00	0.00	0.00	0.00
n-C4		94.66	96.27	10.30	121.03	34.52	71.74
?, RI is 410		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC3		0.00	0.00	0.00	0.00	0.00	0.00
i-C5		0.00	27.63	0.00	32.53	9.41	29.20
C5ene		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		0.00	18.08	0.00	25.47	3.76	20.52
2,2-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
CyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
2-MC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC5		0.00	0.00	0.00	0.00	0.00	0.00
C6ene		0.00	0.00	0.00	0.00	0.00	0.00
n-C6		0.00	0.00	0.00	0.00	0.00	0.00
MCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		0.00	0.00	0.00	0.00	0.00	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
CyC6		0.00	0.00	0.00	0.00	0.00	0.00
2-MC6		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
1,1-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.00	0.00	0.00	0.00	0.00	0.00
1C,3-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
1T,3-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
1T,2-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
n-C7		0.00	0.00	0.00	0.00	0.00	0.00
MCyC6		0.00	0.00	0.00	0.00	0.00	14.07
1,1,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1T,2C,4-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1T,2C,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
1,1,2-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.00	0.00	0.00	0.00	0.00
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1C,3-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1T,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
1C,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1T,2-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
CyC7		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 804		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 814		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 825		0.00	0.00	0.00	0.00	0.00	0.00
ECyC6		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
3-MC8		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 858		0.00	0.00	0.00	0.00	0.00	0.00
2-MC8		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 860		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
Nonenes		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.00	0.00
SUM:		14920.3	1267.4	1912.2	1368.9	1213.5	875.3

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS ( $\mu$ l gas/kg dry sediment)							
COMPOUND	SAMPLE-ID DEPTH (m)	G3207/H 1940.00	G3207/O 1940.00	G3208/H 1970.00	G3208/O 1970.00	G3209/H 2000.00	G3209/O 2000.00
C1		1073.52	207.27	11150.59	705.78	4305.38	584.44
C2ene		0.00	0.00	0.00	0.00	0.00	14.20
C2		171.83	16.79	928.48	292.28	763.13	325.19
C3ene		0.00	0.00	0.00	0.00	0.00	11.92
C3		245.71	83.88	639.78	804.30	880.93	1272.71
i-C4		55.54	29.42	79.72	195.07	136.94	343.97
C4ene		0.00	0.00	0.00	0.00	0.00	0.00
n-C4		45.61	68.62	80.49	353.21	172.28	677.30
?, RI is 410		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC3		0.00	0.00	0.00	0.00	0.00	0.00
i-C5		10.77	21.18	17.79	115.98	39.42	244.09
C5ene		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		4.16	23.44	0.00	86.91	21.53	188.11
2,2-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
CyC5		0.00	0.00	0.00	0.00	0.00	14.83
2,3-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
2-MC5		0.00	0.00	0.00	31.16	0.00	66.47
3-MC5		0.00	0.00	0.00	15.89	0.00	36.19
C6ene		0.00	0.00	0.00	0.00	0.00	0.00
n-C6		0.00	0.00	0.00	19.91	0.00	45.34
MCyC5		0.00	0.00	0.00	22.53	10.34	50.45
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		0.00	0.00	0.00	0.00	0.00	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
CyC6		0.00	0.00	0.00	18.00	10.24	36.59
2-MC6		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
1,1-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.00	0.00	0.00	0.00	0.00	0.00
1C,3-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
1T,3-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
1T,2-DMCyC5		0.00	0.00	0.00	0.00	0.00	14.84
n-C7		0.00	0.00	0.00	0.00	0.00	10.84
MCyC6		0.00	0.00	0.00	25.11	10.29	55.58
1,1,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1T,2C,4-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1T,2C,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
1,1,2-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.00	0.00	0.00	0.00	0.00
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1C,3-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1T,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
1C,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1T,2-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
CyC7		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 804		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 814		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 825		0.00	0.00	0.00	0.00	0.00	0.00
ECyC6		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
3-MC8		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 858		0.00	0.00	0.00	0.00	0.00	0.00
2-MC8		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 860		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
Nonenes		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.00	0.00
SUM:		1607.1	450.6	12896.9	2686.1	6350.5	3993.1

IKU project 22.1989.00

Well 7120/2-2

Norsk Hydro

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS ( $\mu$ l gas/kg dry sediment)

COMPOUND	SAMPLE-ID   DEPTH (m)	G3210/H 2030.00	G3210/O 2030.00	G3211/H 2060.00	G3211/O 2060.00	G3212/H 2090.00	G3212/O 2090.00
C1		6804.39	715.04	5398.95	826.13	9343.00	981.70
C2ene		0.00	16.36	0.00	48.98	0.00	18.86
C2		1180.63	749.18	1053.07	962.99	1746.01	1667.46
C3ene		0.00	13.68	0.00	36.29	0.00	14.90
C3		985.98	2143.28	714.79	2138.62	863.41	2784.79
i-C4		124.19	452.21	73.22	369.09	72.53	383.13
C4ene		0.00	0.00	0.00	0.00	0.00	0.00
n-C4		151.12	861.42	87.78	704.34	99.92	824.83
?, RI is 410		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC3		0.00	0.00	0.00	0.00	0.00	0.00
i-C5		30.12	248.42	14.03	166.62	13.88	148.98
C5ene		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		15.96	178.84	6.72	117.47	7.40	100.87
2,2-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
CyC5		0.00	14.57	0.00	0.00	0.00	11.70
2,3-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
2-MC5		0.00	56.88	0.00	37.92	0.00	25.90
3-MC5		0.00	28.05	0.00	18.01	0.00	12.12
C6ene		0.00	0.00	0.00	0.00	0.00	0.00
n-C6		0.00	36.20	0.00	21.35	0.00	13.90
MCyC5		6.12	36.56	0.00	19.69	0.00	13.45
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		0.00	0.00	0.00	0.00	0.00	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
CyC6		7.43	32.94	3.78	19.27	0.00	22.56
2-MC6		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
1,1-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.00	0.00	0.00	0.00	0.00	0.00
1C,3-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
1T,3-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
1T,2-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
n-C7		0.00	0.00	0.00	0.00	0.00	0.00
MCyC6		7.01	39.68	0.00	23.96	0.00	17.52
1,1,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1T,2C,4-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
Toluene		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1T,2C,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
1,1,2-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.00	0.00	0.00	0.00	0.00
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1C,3-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
3-MC7		0.00	0.00	0.00	0.00	0.00	0.00
1T,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
1C,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1T,2-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
CyC7		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 804		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 814		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 825		0.00	0.00	0.00	0.00	0.00	0.00
ECyC6		0.00	0.00	0.00	0.00	0.00	0.00
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
3-MC8		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 858		0.00	0.00	0.00	0.00	0.00	0.00
2-MC8		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 860		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
Nonenes		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.00	0.00
SUM:		9313.0	5623.3	7352.3	5510.7	12146.1	7042.7

IKU project 22.1989.00

Well 7120/2-2

Norsk Hydro

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS ( $\mu$ l gas/kg dry sediment)

COMPOUND	SAMPLE-ID DEPTH (m)	G3237/H 2105.00	G3237/O 2105.00	G3213/H 2120.00	G3213/O 2120.00	G3238/H 2135.00	G3238/O 2135.00
C1		6730.11	562.91	4000.19	639.24	7190.30	703.88
C2ene		0.00	20.39	0.00	23.55	0.00	31.38
C2		1936.42	962.52	1109.27	813.60	1386.59	288.29
C3ene		15.12	42.48	6.86	27.35	46.16	55.82
C3		1323.77	2210.63	872.15	1963.26	1459.22	1094.46
i-C4		125.58	330.56	104.29	330.18	248.54	296.37
C4ene		0.00	0.00	0.00	0.00	0.00	0.00
n-C4		246.09	1046.80	251.52	1123.86	477.87	1106.18
?, RI is 410		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC3		0.00	0.00	0.00	0.00	0.00	0.00
i-C5		37.91	217.99	57.42	291.24	142.69	434.19
C5ene		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		26.87	214.60	52.40	326.04	114.73	604.37
2,2-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
CyC5		8.26	29.48	14.26	42.84	14.06	72.08
2,3-DMC4		0.00	0.00	0.00	14.49	5.72	25.98
2-MC5		5.54	56.01	15.71	105.43	40.89	254.73
3-MC5		3.64	32.33	10.75	61.80	26.25	155.80
C6ene		0.00	0.00	0.00	0.00	0.00	0.00
n-C6		4.06	44.50	13.44	84.28	31.26	287.11
MCyC5		10.66	54.15	29.82	103.11	43.40	283.57
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	13.92
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		2.31	0.00	4.56	10.53	0.00	11.40
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
CyC6		12.51	52.61	25.49	82.37	26.99	183.29
2-MC6		0.00	0.00	0.00	15.01	5.23	59.78
2,3-DMC5		0.00	0.00	0.00	11.39	4.55	42.66
1,1-DMCyC5		0.00	0.00	0.00	0.00	3.57	24.53
3-MC6		0.00	0.00	4.07	21.07	8.41	92.43
1C,3-DMCyC5		0.00	0.00	4.50	16.71	8.29	68.33
1T,3-DMCyC5		0.00	0.00	4.99	18.52	9.27	78.41
1T,2-DMCyC5		2.28	11.83	10.03	35.32	18.60	147.81
n-C7		0.00	15.74	4.44	22.25	8.59	126.09
MCyC6		10.13	55.60	27.18	98.09	35.95	325.09
1,1,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	0.00	3.98	43.59
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1T,2C,4-TMCyC5		0.00	0.00	0.00	0.00	0.00	28.17
Toluene		0.00	0.00	0.00	0.00	0.00	16.68
2,3-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1T,2C,3-TMCyC5		0.00	0.00	0.00	0.00	4.38	56.01
1,1,2-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2-MC7		0.00	0.00	0.00	0.00	3.52	59.17
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1C,3-DMCyC6		0.00	0.00	0.00	0.00	3.91	50.31
3-MC7		0.00	0.00	0.00	0.00	0.00	22.36
1T,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	18.91
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
1C,4-DMCyC6		0.00	0.00	0.00	0.00	2.56	33.24
1T,2-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
CyC7		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	10.26	0.00	10.87	4.31	66.09
?, RI is 804		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 814		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	13.89
?, RI is 825		0.00	0.00	0.00	0.00	0.00	0.00
ECyC6		0.00	0.00	0.00	0.00	0.00	31.16
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	22.40
2,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
3-MC8		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	11.96
?, RI is 858		0.00	0.00	0.00	0.00	0.00	0.00
2-MC8		0.00	0.00	0.00	0.00	0.00	11.43
?, RI is 860		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
Nonenes		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.00	0.00
SUM:		10501.3	5971.4	6623.3	6292.4	11379.8	7353.3

IKU project 22.1989.00

Well 7120/2-2

Norsk Hydro

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS ( $\mu$ l gas/kg dry sediment)							
COMPOUND	SAMPLE-ID DEPTH (m)	G3214/H 2150.00	G3214/O 2150.00	G3215/H 2180.00	G3215/O 2180.00	G3216/H 2210.00	G3216/O 2210.00
C1		16103.30	4696.26	614.74	352.62	1199.71	280.66
C2ene		47.26	128.68	2.60	15.67	2.34	0.00
C2		9404.04	1492.35	144.30	50.59	316.29	122.93
C3ene		79.55	64.94	18.20	30.04	11.12	15.85
C3		16153.89	6551.94	214.44	220.95	195.82	209.46
i-C4		2962.81	2290.45	41.54	61.84	14.49	23.23
C4ene		30.07	27.07	0.00	0.00	0.00	0.00
n-C4		8355.17	9186.33	97.60	286.11	34.80	122.96
?, RI is 410		30.99	22.45	0.00	0.00	0.00	0.00
2,2-DMC3		0.00	0.00	0.00	0.00	0.00	0.00
i-C5		1977.03	4346.97	30.30	101.04	5.86	24.59
C5ene		6.73	0.00	0.00	0.00	0.00	0.00
n-C5		2418.07	6769.36	28.08	164.14	6.44	43.69
2,2-DMC4		8.91	32.97	0.00	0.00	0.00	0.00
CyC5		243.39	606.53	2.42	15.91	0.00	0.00
2,3-DMC4		69.74	296.38	0.00	0.00	0.00	0.00
2-MC5		676.54	3374.42	11.17	63.33	2.72	15.15
3-MC5		406.03	2009.75	6.77	38.43	0.00	0.00
C6ene		0.00	0.00	0.00	0.00	0.00	0.00
n-C6		790.35	4457.90	7.76	66.63	3.11	19.05
MCyC5		663.80	2919.89	8.40	64.38	3.04	16.00
2,4-DMC5		31.88	215.31	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		14.64	55.21	0.00	0.00	0.00	0.00
3,3-DMC5		0.00	13.56	0.00	0.00	0.00	0.00
CyC6		330.20	1534.46	5.20	43.72	2.50	12.96
2-MC6		134.22	1043.61	2.00	15.43	0.00	0.00
2,3-DMC5		80.95	591.30	0.00	11.38	0.00	0.00
1,1-DMCyC5		44.06	277.98	0.00	0.00	0.00	0.00
3-MC6		199.53	1535.01	3.16	23.13	0.00	0.00
1C,3-DMCyC5		130.37	876.62	2.07	16.14	0.00	0.00
1T,3-DMCyC5		148.93	1037.80	2.47	18.81	0.00	0.00
1T,2-DMCyC5		266.31	1813.03	5.02	35.34	1.97	0.00
n-C7		318.59	2539.06	2.67	27.43	2.01	0.00
MCyC6		462.13	3319.22	8.83	91.77	4.61	26.07
1,1,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		82.88	649.73	0.00	0.00	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	11.57	0.00	0.00
1T,2C,4-TMCyC5		49.12	415.31	0.00	0.00	0.00	0.00
Toluene		18.36	96.92	0.00	0.00	0.00	0.00
2,3-DMC6		8.09	75.23	0.00	0.00	0.00	0.00
1T,2C,3-TMCyC5		91.45	781.83	1.86	17.02	0.00	0.00
1,1,2-TMCyC5		8.88	78.90	0.00	0.00	0.00	0.00
2-MC7		120.60	1079.82	1.98	17.89	0.00	0.00
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		6.28	57.00	0.00	0.00	0.00	0.00
1C,3-DMCyC6		75.16	638.16	0.00	15.48	0.00	0.00
3-MC7		47.75	428.88	0.00	0.00	0.00	0.00
1T,4-DMCyC6		29.49	256.10	0.00	0.00	0.00	0.00
2,2-DMC7		2.74	24.26	0.00	0.00	0.00	0.00
1C,4-DMCyC6		59.55	510.56	0.00	0.00	0.00	0.00
1T,2-DMCyC6		9.62	77.64	0.00	0.00	0.00	0.00
CyC7		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		143.57	1254.71	0.00	18.88	0.00	0.00
?, RI is 804		11.00	102.58	0.00	0.00	0.00	0.00
?, RI is 807		13.33	116.77	0.00	0.00	0.00	0.00
?, RI is 814		3.85	33.84	0.00	0.00	0.00	0.00
2,4-DMC7		28.72	262.37	0.00	0.00	0.00	0.00
?, RI is 825		9.72	88.54	0.00	0.00	0.00	0.00
ECyC6		48.11	419.89	0.00	0.00	0.00	0.00
3,5-DMC7		33.12	298.85	0.00	0.00	0.00	0.00
2,5-DMC7		10.83	96.08	0.00	0.00	0.00	0.00
(m+p)-Xylene		11.51	87.19	0.00	0.00	0.00	0.00
3-MC8		7.51	66.65	0.00	0.00	0.00	0.00
E-Benzene		23.23	204.04	0.00	0.00	0.00	0.00
?, RI is 858		0.00	0.00	0.00	0.00	0.00	0.00
2-MC8		41.00	377.29	0.00	0.00	0.00	0.00
?, RI is 860		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		19.41	11.37	0.00	0.00	0.00	0.00
o-Xylene		12.41	112.17	0.00	0.00	0.00	0.00
Nonenes		17.85	154.01	0.00	0.00	0.00	0.00
n-C9		31.00	273.91	0.00	0.00	0.00	0.00
SUM:		63665.6	73257.4	1263.6	1895.6	1806.8	932.6

IKU project 22.1989.00

Well 7120/2-2

Norsk Hydro

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS ( $\mu$ l gas/kg dry sediment)							
COMPOUND	SAMPLE-ID DEPTH (m)	G3217/H 2240.00	G3217/O 2240.00	G3218/H 2270.00	G3218/O 2270.00	G3219/H 2300.00	G3219/O 2300.00
C1		13309.38	431.55	5479.48	439.62	1795.64	495.86
C2ene		0.00	13.60	9.63	13.16	14.77	25.72
C2		4317.41	592.28	2553.37	96.03	837.44	70.24
C3ene		22.01	20.64	40.21	14.97	61.21	20.27
C3		1440.48	711.19	1417.99	206.49	711.89	158.04
i-C4		54.76	37.11	75.42	13.91	72.11	23.06
C4ene		0.00	0.00	0.00	0.00	0.00	0.00
n-C4		115.31	161.81	132.54	73.84	129.46	92.49
?, RI is 410		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC3		0.00	0.00	0.00	0.00	0.00	0.00
i-C5		0.00	0.00	0.00	0.00	23.22	23.39
C5ene		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		0.00	10.48	0.00	0.00	17.43	32.37
2,2-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
CyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
2-MC5		0.00	0.00	0.00	0.00	9.11	34.86
3-MC5		0.00	0.00	0.00	0.00	0.00	19.47
C6ene		0.00	0.00	0.00	0.00	0.00	0.00
n-C6		0.00	0.00	0.00	0.00	9.81	57.49
MCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC5		0.00	0.00	0.00	0.00	0.00	13.21
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		0.00	0.00	0.00	0.00	0.00	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
CyC6		0.00	0.00	0.00	0.00	10.95	14.94
2-MC6		0.00	0.00	0.00	0.00	0.00	70.33
2,3-DMC5		0.00	0.00	0.00	0.00	0.00	23.06
1,1-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
3-MC6		0.00	0.00	0.00	0.00	0.00	76.85
1C,3-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
1T,3-DMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
1T,2-DMCyC5		0.00	0.00	0.00	0.00	0.00	11.65
n-C7		0.00	0.00	0.00	0.00	0.00	188.16
MCyC6		0.00	0.00	0.00	0.00	20.09	79.18
1,1,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	17.18
2,5-DMC6		0.00	0.00	0.00	0.00	0.00	22.88
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	30.03
1T,2C,4-TMCyC5		0.00	0.00	0.00	0.00	0.00	21.82
Toluene		0.00	0.00	0.00	0.00	0.00	0.00
2,3-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1T,2C,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	12.95
1,1,2-TMCyC5		0.00	0.00	0.00	0.00	0.00	19.68
2-MC7		0.00	0.00	0.00	0.00	0.00	202.88
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1C,3-DMCyC6		0.00	0.00	0.00	0.00	0.00	47.18
3-MC7		0.00	0.00	0.00	0.00	0.00	102.75
1T,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	21.95
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	10.46
1C,4-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
1T,2-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
CyC7		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	0.00	0.00	0.00	0.00	271.40
?, RI is 804		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 807		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 814		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	0.00	0.00	81.81
?, RI is 825		0.00	0.00	0.00	0.00	0.00	18.80
ECyC6		0.00	0.00	0.00	0.00	0.00	85.56
3,5-DMC7		0.00	0.00	0.00	0.00	0.00	48.42
2,5-DMC7		0.00	0.00	0.00	0.00	0.00	13.07
(m+p)-Xylene		0.00	0.00	0.00	0.00	0.00	12.98
3-MC8		0.00	0.00	0.00	0.00	0.00	20.62
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 858		0.00	0.00	0.00	0.00	0.00	0.00
2-MC8		0.00	0.00	0.00	0.00	0.00	125.56
?, RI is 860		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	59.18
o-Xylene		0.00	0.00	0.00	0.00	0.00	11.42
Nonenes		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	0.00	0.00	0.00	0.00	149.16
SUM:		19259.4	1978.7	9708.7	858.0	3713.1	2938.4

IKU project 22.1989.00

Well 7120/2-2

Norsk Hydro

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS (µl gas/kg dry sediment)							
COMPOUND	SAMPLE-ID DEPTH (m)	G3220/H 2330.00	G3220/O 2330.00	G3221/H 2360.00	G3221/O 2360.00	G3222/H 2390.00	G3222/O 2390.00
C1		11809.94	1060.82	2928.05	574.77	2254.46	495.79
C2ene		0.00	26.48	9.89	43.49	6.09	20.97
C2		3672.76	2764.56	1590.51	501.00	1097.91	193.78
C3ene		15.83	40.45	38.12	41.49	21.90	20.30
C3		1243.43	2770.41	1135.90	1002.26	675.11	343.15
i-C4		73.03	190.83	145.83	173.14	67.55	42.40
C4ene		0.00	0.00	0.00	0.00	0.00	0.00
n-C4		148.87	807.86	243.52	576.01	132.36	200.27
?, RI is 410		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC3		0.00	0.00	0.00	0.00	0.00	0.00
i-C5		15.96	92.68	53.91	229.35	26.29	51.77
C5ene		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		11.87	123.89	38.15	296.73	17.20	78.76
2,2-DMC4		0.00	0.00	0.00	13.21	0.00	0.00
CyC5		0.00	10.19	6.30	16.18	0.00	0.00
2,3-DMC4		0.00	0.00	0.00	37.13	0.00	0.00
2-MC5		0.00	17.96	13.70	289.76	4.76	47.48
3-MC5		0.00	10.95	8.60	160.31	0.00	27.55
C6ene		0.00	0.00	0.00	0.00	0.00	0.00
n-C6		0.00	20.29	14.50	464.12	4.51	78.72
MCyC5		0.00	17.04	14.87	112.77	7.86	30.12
2,4-DMC5		0.00	0.00	0.00	38.69	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		0.00	11.72	6.68	11.14	0.00	0.00
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
CyC6		7.81	27.67	25.04	146.12	12.83	37.85
2-MC6		0.00	0.00	0.00	227.13	0.00	36.72
2,3-DMC5		0.00	0.00	0.00	74.77	0.00	12.76
1,1-DMCyC5		0.00	0.00	0.00	36.92	0.00	0.00
3-MC6		0.00	0.00	0.00	248.39	0.00	40.77
1C,3-DMCyC5		0.00	0.00	0.00	67.12	0.00	11.26
1T,3-DMCyC5		0.00	0.00	0.00	81.48	0.00	13.91
1T,2-DMCyC5		0.00	0.00	0.00	114.32	0.00	19.95
n-C7		0.00	0.00	7.66	626.75	0.00	94.33
MCyC6		6.29	24.38	29.08	636.64	13.14	124.71
1,1,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	0.00	36.33	0.00	0.00
2,4-DMC6		0.00	0.00	0.00	70.04	0.00	12.61
1T,2C,4-TMCyC5		0.00	0.00	0.00	71.15	0.00	11.99
Toluene		0.00	0.00	0.00	14.66	0.00	0.00
2,3-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1T,2C,3-TMCyC5		0.00	0.00	0.00	61.46	0.00	10.08
1,1,2-TMCyC5		0.00	0.00	0.00	36.47	0.00	0.00
2-MC7		0.00	0.00	0.00	366.42	0.00	62.65
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	15.43	0.00	0.00
1C,3-DMCyC6		0.00	0.00	0.00	177.25	0.00	32.02
3-MC7		0.00	0.00	0.00	182.92	0.00	32.05
1T,4-DMCyC6		0.00	0.00	0.00	81.78	0.00	14.92
2,2-DMC7		0.00	0.00	0.00	19.25	0.00	0.00
1C,4-DMCyC6		0.00	0.00	0.00	75.48	0.00	0.00
1T,2-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
CyC7		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	0.00	7.21	551.62	0.00	90.98
?, RI is 804		0.00	0.00	0.00	15.25	0.00	0.00
?, RI is 807		0.00	0.00	0.00	37.87	0.00	0.00
?, RI is 814		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	0.00	0.00	132.81	0.00	25.25
?, RI is 825		0.00	0.00	0.00	26.38	0.00	0.00
ECyC6		0.00	0.00	0.00	178.99	0.00	36.35
3,5-DMC7		0.00	0.00	0.00	75.75	0.00	16.41
2,5-DMC7		0.00	0.00	0.00	21.31	0.00	0.00
(m+p)-Xylene		0.00	0.00	0.00	19.76	0.00	0.00
3-MC8		0.00	0.00	0.00	44.73	0.00	0.00
E-Benzene		0.00	0.00	0.00	20.45	0.00	0.00
?, RI is 858		0.00	0.00	0.00	0.00	0.00	0.00
2-MC8		0.00	0.00	0.00	186.82	0.00	35.85
?, RI is 860		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	90.45	0.00	17.23
o-Xylene		0.00	0.00	0.00	30.22	0.00	0.00
Nonenes		0.00	0.00	0.00	42.28	0.00	0.00
n-C9		0.00	0.00	0.00	237.95	0.00	40.08
SUM:		17005.8	8018.2	6317.5	9762.5	4342.0	2461.8

IKU project 22.1989.00

Well 7120/2-2

Norsk Hydro

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS ( $\mu$ l gas/kg dry sediment)

COMPOUND	SAMPLE-ID DEPTH (m)	G3239/H 2405.00	G3239/O 2405.00	G3223/H 2420.00	G3223/O 2420.00	G3224/H 2450.00	G3224/O 2450.00
C1		801.87	1890.28	1528.29	521.00	3506.18	527.11
C2ene		7.92	24.02	23.82	26.55	10.94	27.96
C2		344.18	190.43	781.57	161.67	1384.88	286.79
C3ene		25.99	27.24	63.73	39.73	57.00	39.85
C3		254.25	398.73	820.02	904.32	1721.84	1118.65
i-C4		31.09	70.82	115.81	198.62	202.76	198.51
C4ene		0.00	0.00	0.00	0.00	0.00	0.00
n-C4		74.64	277.35	246.08	797.81	573.62	1062.00
?, RI is 410		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC3		0.00	0.00	0.00	0.00	0.00	0.00
i-C5		17.92	94.62	62.09	243.38	121.21	306.71
C5ene		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		15.44	132.75	41.64	294.92	97.72	417.65
2,2-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
CyC5		0.00	12.33	0.00	15.32	13.82	27.10
2,3-DMC4		0.00	13.42	0.00	20.68	0.00	21.27
2-MC5		5.25	109.96	14.19	107.58	25.15	126.47
3-MC5		0.00	60.10	9.41	62.73	16.55	76.07
C6ene		0.00	0.00	0.00	0.00	0.00	0.00
n-C6		5.85	164.03	13.90	137.37	42.09	151.15
MCyC5		5.83	56.72	15.66	63.91	45.53	92.40
2,4-DMC5		0.00	16.40	0.00	0.00	0.00	0.00
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		0.00	0.00	0.00	11.14	17.61	12.17
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
CyC6		8.37	56.58	29.24	94.46	66.03	119.56
2-MC6		0.00	94.55	0.00	44.79	9.65	31.45
2,3-DMC5		0.00	31.46	0.00	15.57	0.00	11.56
1,1-DMCyC5		0.00	12.92	0.00	0.00	9.32	0.00
3-MC6		0.00	103.87	0.00	45.92	17.73	33.13
1C,3-DMCyC5		0.00	25.47	0.00	11.26	0.00	13.48
1T,3-DMCyC5		0.00	31.86	0.00	13.64	8.35	14.96
1T,2-DMCyC5		0.00	46.21	0.00	18.79	21.99	21.92
n-C7		0.00	238.39	0.00	83.11	24.96	52.16
MCyC6		10.72	221.92	36.86	186.66	77.30	206.84
1,1,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	18.23	0.00	0.00	11.13	0.00
2,4-DMC6		0.00	31.63	0.00	18.45	0.00	11.08
1T,2C,4-TMCyC5		0.00	28.67	0.00	0.00	12.53	0.00
Toluene		0.00	0.00	0.00	16.69	10.67	15.68
2,3-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1T,2C,3-TMCyC5		0.00	26.93	0.00	0.00	0.00	0.00
1,1,2-TMCyC5		0.00	16.50	0.00	0.00	0.00	0.00
2-MC7		0.00	160.37	0.00	43.67	10.31	18.86
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1C,3-DMCyC6		0.00	64.32	0.00	23.28	0.00	18.74
3-MC7		0.00	79.49	0.00	24.89	0.00	10.66
1T,4-DMCyC6		0.00	29.70	0.00	10.68	0.00	0.00
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
1C,4-DMCyC6		0.00	29.05	0.00	0.00	0.00	0.00
1T,2-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
CyC7		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		0.00	212.31	0.00	55.77	11.91	27.42
?, RI is 804		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 807		0.00	12.59	0.00	0.00	0.00	0.00
?, RI is 814		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	58.08	0.00	13.77	0.00	0.00
?, RI is 825		0.00	12.33	0.00	0.00	0.00	0.00
ECyC6		0.00	69.26	0.00	23.48	0.00	14.45
3,5-DMC7		0.00	33.86	0.00	0.00	0.00	0.00
2,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		0.00	10.42	0.00	0.00	0.00	0.00
3-MC8		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 858		0.00	0.00	0.00	0.00	0.00	0.00
2-MC8		0.00	79.14	0.00	11.05	0.00	0.00
?, RI is 860		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	36.63	0.00	0.00	0.00	0.00
o-Xylene		0.00	15.96	0.00	0.00	0.00	0.00
Nonenes		0.00	11.00	0.00	0.00	0.00	0.00
n-C9		0.00	89.01	0.00	17.66	0.00	0.00
SUM:		1609.3	5527.9	3802.3	4380.3	8128.8	5113.8

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS ( $\mu$ l gas/kg dry sediment)							
COMPOUND	SAMPLE-ID DEPTH (m)	G3225/H 2480.00	G3225/O 2480.00	G3240/H 2495.00	G3240/O 2495.00	G3226/H 2510.00	G3226/O 2510.00
C1		28463.99	1279.05	17040.36	877.42	21506.66	2907.25
C2ene		27.57	69.36	21.55	60.33	0.00	69.18
C2		8462.07	2614.04	7555.35	757.98	9394.60	9617.90
C3ene		59.12	93.76	107.56	48.50	25.82	117.75
C3		11290.08	12184.59	17858.11	6245.94	9660.14	37995.27
i-C4		1046.64	1901.91	2218.17	1758.56	701.41	6616.65
C4ene		0.00	11.79	0.00	11.27	0.00	12.14
n-C4		4282.92	10080.39	9740.90	10173.33	3032.21	32401.10
?, RI is 410		0.00	11.58	12.23	13.79	3.47	51.53
2,2-DMC3		0.00	0.00	0.00	0.00	0.00	0.00
i-C5		602.54	1864.40	1525.31	3232.31	422.56	7870.59
C5ene		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		719.44	2563.83	2032.40	5361.15	523.06	10189.96
2,2-DMC4		0.00	11.59	0.00	20.55	0.00	42.51
CyC5		130.28	281.21	329.84	492.98	99.68	1008.93
2,3-DMC4		19.48	67.96	43.27	162.86	13.92	300.63
2-MC5		142.56	584.01	343.82	1753.18	106.68	2794.62
3-MC5		94.41	361.27	232.59	1090.86	69.75	1644.66
C6ene		0.00	0.00	0.00	0.00	0.00	0.00
n-C6		169.14	655.20	439.23	2536.22	126.79	3176.86
MCyC5		269.58	696.23	742.20	2064.13	196.82	2627.80
2,4-DMC5		0.00	29.63	13.43	102.71	4.40	118.83
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		33.18	54.33	57.20	51.68	24.03	155.82
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	11.85
CyC6		221.77	508.23	570.86	1403.05	157.36	1792.98
2-MC6		26.46	114.64	52.25	527.01	17.44	461.72
2,3-DMC5		13.87	55.46	26.21	215.96	9.58	224.33
1,1-DMCyC5		17.09	50.66	37.36	173.75	15.66	256.55
3-MC6		36.24	150.97	73.98	689.90	24.82	604.89
1C,3-DMCyC5		37.53	112.31	89.62	474.79	26.13	431.77
1T,3-DMCyC5		39.43	119.48	92.13	505.35	27.44	454.57
1T,2-DMCyC5		64.75	192.64	141.43	752.42	41.68	671.63
n-C7		0.00	219.46	126.95	1288.13	35.94	952.98
MCyC6		239.64	623.84	553.24	2526.03	156.98	2086.84
1,1,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		15.29	48.91	32.50	232.82	7.87	140.96
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1T,2C,4-TMCyC5		12.87	48.30	23.31	223.08	7.52	140.17
Toluene		31.02	56.57	79.87	119.07	18.53	138.95
2,3-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1T,2C,3-TMCyC5		13.52	48.92	23.46	221.11	6.92	126.45
1,1,2-TMCyC5		0.00	12.94	0.00	60.92	0.00	34.14
2-MC7		23.04	91.69	41.79	494.71	13.90	275.18
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	26.79	0.00	16.12
1C,3-DMCyC6		28.07	88.18	56.77	430.12	16.98	246.16
3-MC7		9.77	39.83	19.04	224.06	5.76	112.95
1T,4-DMCyC6		12.70	37.74	27.78	198.95	7.72	107.82
2,2-DMC7		0.00	0.00	0.00	15.23	0.00	0.00
1C,4-DMCyC6		0.00	36.56	25.57	113.70	6.25	85.55
1T,2-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
CyC7		0.00	0.00	0.00	17.53	0.00	10.94
n-C8		35.81	108.49	72.97	684.11	18.88	324.50
?, RI is 804		0.00	0.00	0.00	36.66	0.00	13.26
?, RI is 807		0.00	17.66	12.79	84.99	3.61	46.82
?, RI is 814		0.00	0.00	0.00	17.75	0.00	0.00
2,4-DMC7		9.03	28.78	15.78	149.79	4.46	63.57
?, RI is 825		0.00	0.00	0.00	24.36	0.00	0.00
ECyC6		18.52	49.30	40.98	268.23	10.54	125.41
3,5-DMC7		0.00	21.34	9.03	86.91	2.93	39.51
2,5-DMC7		0.00	0.00	0.00	36.00	0.00	12.24
(m+p)-Xylene		0.00	12.12	24.36	53.67	3.84	29.39
3-MC8		0.00	0.00	0.00	49.07	0.00	17.17
E-Benzene		0.00	0.00	11.66	52.64	0.00	19.59
?, RI is 858		0.00	16.24	8.61	91.83	0.00	32.61
2-MC8		0.00	0.00	0.00	61.79	0.00	18.48
?, RI is 860		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	9.01	64.90	0.00	27.00
o-Xylene		0.00	0.00	0.00	35.09	0.00	11.71
Nonenes		0.00	0.00	8.01	71.91	0.00	0.00
n-C9		0.00	13.97	12.07	120.68	2.65	36.23
SUM:		56719.4	38341.4	62632.9	49740.6	46563.4	129923.0

IKU project 22.1989.00

Well 7120/2-2

Norsk Hydro

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS ( $\mu$ l gas/kg dry sediment)							
COMPOUND	SAMPLE-ID DEPTH (m)	G3227/H 2540.00	G3227/O 2540.00	G3228/H 2570.00	G3228/O 2570.00	G3229/H 2600.00	G3229/O 2600.00
C1		13479.00	2305.00	13217.08	1967.44	12312.17	1480.30
C2ene		0.00	61.88	0.00	60.35	0.00	53.40
C2		9191.72	10228.84	8321.54	8556.60	7362.02	3909.29
C3ene		6.04	45.20	3.05	32.52	5.74	32.07
C3		9865.04	44656.35	10568.59	45706.95	11721.04	25676.81
i-C4		655.40	7712.09	883.68	10124.66	1268.60	7231.06
C4ene		0.00	0.00	0.00	0.00	0.00	0.00
n-C4		2917.19	39418.60	3712.16	47927.00	5308.28	33965.00
?, RI is 410		3.29	60.33	3.34	96.32	5.52	60.20
2,2-DMC3		0.00	0.00	0.00	0.00	0.00	0.00
i-C5		364.26	9419.00	534.29	13324.39	902.98	11201.31
C5ene		0.00	0.00	0.00	14.38	0.00	11.59
n-C5		477.53	13170.98	683.79	17968.57	1163.65	15539.35
2,2-DMC4		0.00	48.85	0.00	72.08	3.48	63.59
CyC5		103.87	1371.60	140.65	1715.47	208.72	1395.71
2,3-DMC4		11.20	336.12	16.01	462.21	26.72	412.48
2-MC5		86.96	3316.92	129.28	4682.13	219.34	4279.51
3-MC5		58.19	1974.28	86.01	2781.81	143.43	2492.11
C6ene		0.00	0.00	0.00	0.00	0.00	0.00
n-C6		113.07	4201.27	177.15	5942.45	310.41	5642.72
MCyC5		182.43	3418.94	269.63	4659.97	440.83	4132.80
2,4-DMC5		3.92	138.92	5.81	202.98	9.69	187.74
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		38.34	240.27	41.68	257.88	52.77	153.61
3,3-DMC5		0.00	14.28	0.00	19.48	0.00	17.78
CyC6		131.15	2002.22	189.48	2653.52	320.46	2438.71
2-MC6		14.97	537.73	22.10	731.37	36.15	698.92
2,3-DMC5		8.42	277.28	12.60	364.98	19.04	318.38
1,1-DMCyC5		15.99	374.79	24.74	518.41	38.62	443.80
3-MC6		21.97	735.34	32.89	990.01	51.39	902.87
1C,3-DMCyC5		25.12	598.71	37.99	822.66	58.38	704.47
1T,3-DMCyC5		26.18	625.22	39.56	853.92	59.99	724.38
1T,2-DMCyC5		41.55	963.72	62.39	1302.34	89.52	1052.72
n-C7		36.70	1278.75	61.22	1775.06	102.47	1677.40
MCyC6		133.67	2469.86	196.66	3308.02	328.43	3009.72
1,1,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		7.94	177.78	0.00	0.00	15.94	0.00
2,4-DMC6		0.00	0.00	10.66	225.20	0.00	191.94
1T,2C,4-TMCyC5		7.71	195.05	11.21	250.39	16.08	210.86
Toluene		26.35	206.19	32.98	254.65	52.26	182.57
2,3-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1T,2C,3-TMCyC5		7.79	186.96	11.20	237.44	14.88	184.10
1,1,2-TMCyC5		0.00	33.73	0.00	54.46	0.00	46.04
2-MC7		15.12	366.55	21.84	446.43	31.80	392.04
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	19.44	0.00	23.80	0.00	21.13
1C,3-DMCyC6		17.30	329.11	25.45	425.89	38.89	368.62
3-MC7		5.99	140.01	8.76	178.00	13.64	164.08
1T,4-DMCyC6		7.43	136.75	11.15	178.34	18.58	170.64
2,2-DMC7		0.00	14.11	0.00	16.56	0.00	14.30
1C,4-DMCyC6		7.25	124.61	9.85	156.79	12.74	116.93
1T,2-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
CyC7		0.00	16.83	0.00	21.82	0.00	15.33
n-C8		21.23	444.03	33.95	587.36	54.49	534.54
?, RI is 804		0.00	23.23	0.00	27.70	0.00	21.10
?, RI is 807		3.62	60.65	5.52	80.29	8.93	71.88
?, RI is 814		0.00	12.09	0.00	14.42	0.00	10.94
2,4-DMC7		5.31	87.82	7.15	101.80	9.71	86.10
?, RI is 825		0.00	12.59	0.00	15.22	0.00	13.71
ECyC6		10.08	150.99	14.72	192.29	24.53	182.53
3,5-DMC7		3.89	63.68	5.37	75.04	7.88	65.98
2,5-DMC7		0.00	17.78	0.00	20.85	0.00	18.26
(m+p)-Xylene		4.90	41.39	6.87	55.93	13.02	47.14
3-MC8		0.00	21.98	0.00	27.27	4.17	28.12
E-Benzene		2.72	31.53	3.77	38.11	6.04	41.76
?, RI is 858		3.32	52.08	4.86	64.29	7.63	61.96
2-MC8		0.00	25.20	0.00	30.66	3.91	31.16
?, RI is 860		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		2.55	34.95	3.58	42.42	5.69	39.13
o-Xylene		0.00	17.01	0.00	20.76	0.00	17.16
Nonenes		0.00	38.81	0.00	50.45	4.51	44.83
n-C9		3.78	52.22	5.86	67.33	9.91	69.64
SUM:		38177.4	155138.5	39708.1	183877.9	42945.1	133374.4

IKU project 22.1989.00

Well 7120/2-2

Norsk Hydro

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS ( $\mu$ l gas/kg dry sediment)

COMPOUND	SAMPLE-ID DEPTH (m)	G3241/H 2615.00	G3241/O 2615.00	G3230/H 2630.00	G3230/O 2630.00	G3245/H 2640.40	G3245/O 2640.40
C1		24995.01	2599.47	21022.07	2987.60	3037.60	261443.25
C2ene		0.00	60.89	0.00	61.56	0.00	0.00
C2		11179.05	7138.48	9971.36	8564.79	772.46	82095.74
C3ene		10.65	49.97	4.00	34.72	0.00	10.55
C3		11425.18	35712.04	11474.91	40988.57	773.10	72491.13
i-C4		915.88	8362.71	1008.59	9105.18	66.43	6920.33
C4ene		0.00	0.00	0.00	0.00	0.00	0.00
n-C4		3663.31	37442.93	3915.47	39790.32	523.35	19633.29
?, RI is 410		0.00	66.13	0.00	70.86	0.00	38.93
2,2-DMC3		0.00	0.00	0.00	0.00	0.00	0.00
i-C5		563.31	11362.25	624.32	11338.93	104.50	3026.79
C5ene		0.00	12.12	0.00	11.23	0.00	0.00
n-C5		713.43	14985.52	783.12	14743.06	219.66	2973.60
2,2-DMC4		0.00	67.49	0.00	70.56	0.00	18.77
CyC5		149.16	1391.50	148.31	1348.91	22.56	301.97
2,3-DMC4		17.98	407.20	19.96	403.09	6.10	84.57
2-MC5		147.68	4042.58	162.21	3917.43	54.64	617.78
3-MC5		94.46	2321.33	102.10	2239.18	29.66	326.89
C6ene		0.00	0.00	0.00	0.00	0.00	0.00
n-C6		197.31	5107.72	216.46	4826.44	72.96	572.83
MCyC5		287.94	3856.94	292.07	3627.70	50.16	449.79
2,4-DMC5		7.30	183.67	7.92	184.61	4.79	22.94
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		57.46	205.41	67.36	267.55	30.22	148.65
3,3-DMC5		0.00	19.17	0.00	20.38	4.15	0.00
CyC6		230.09	2488.29	237.32	2413.72	47.33	430.02
2-MC6		29.19	652.65	30.01	632.88	15.77	74.14
2,3-DMC5		14.53	296.33	15.22	298.26	12.17	36.68
1,1-DMCyC5		27.04	427.67	29.49	427.20	5.39	41.20
3-MC6		40.29	830.53	41.21	813.14	21.72	89.86
1C,3-DMCyC5		39.81	630.11	40.66	604.35	6.73	47.74
1T,3-DMCyC5		41.41	646.73	42.35	626.60	8.90	51.26
1T,2-DMCyC5		60.36	922.59	63.14	903.32	11.52	77.98
n-C7		68.99	1503.93	75.53	1429.82	20.13	115.96
MCyC6		241.18	2972.24	245.81	2898.20	41.00	281.82
1,1,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		12.60	177.53	12.32	177.37	0.00	19.67
2,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1T,2C,4-TMCyC5		13.28	198.72	13.73	202.59	0.00	14.98
Toluene		44.80	192.26	52.30	264.17	14.55	59.03
2,3-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1T,2C,3-TMCyC5		11.89	165.64	12.21	172.36	0.00	12.82
1,1,2-TMCyC5		0.00	33.73	0.00	35.34	0.00	0.00
2-MC7		27.96	376.44	26.57	373.05	5.91	33.13
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	19.78	0.00	19.70	0.00	0.00
1C,3-DMCyC6		32.38	365.80	32.06	371.43	0.00	22.25
3-MC7		12.36	160.53	11.34	157.21	0.00	14.17
1T,4-DMCyC6		15.23	171.59	14.43	168.16	0.00	9.86
2,2-DMC7		0.00	14.76	0.00	15.65	0.00	0.00
1C,4-DMCyC6		9.74	104.77	9.73	107.90	0.00	0.00
1T,2-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
CyC7		0.00	13.74	0.00	13.82	0.00	0.00
n-C8		40.59	512.52	41.84	495.48	5.69	29.91
?, RI is 804		0.00	19.45	0.00	20.03	0.00	0.00
?, RI is 807		7.00	74.71	6.90	72.34	0.00	0.00
?, RI is 814		0.00	10.53	0.00	11.25	0.00	0.00
2,4-DMC7		8.59	80.69	7.93	80.72	0.00	0.00
?, RI is 825		0.00	13.58	0.00	13.56	0.00	0.00
ECyC6		20.72	188.86	19.21	182.54	0.00	14.93
3,5-DMC7		6.94	64.60	6.86	67.07	0.00	9.87
2,5-DMC7		0.00	17.83	0.00	18.01	0.00	0.00
(m+p)-Xylene		8.60	46.44	10.44	58.47	0.00	9.03
3-MC8		0.00	29.66	3.58	28.55	0.00	0.00
E-Benzene		4.82	26.73	4.93	31.94	0.00	0.00
?, RI is 858		7.22	60.96	6.67	60.65	0.00	0.00
2-MC8		3.92	30.54	3.39	28.46	0.00	0.00
?, RI is 860		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		5.02	39.37	4.52	35.67	0.00	0.00
o-Xylene		3.94	16.20	0.00	16.03	0.00	0.00
Nonenes		0.00	46.09	3.62	49.09	0.00	0.00
n-C9		8.32	66.99	7.78	60.52	0.00	0.00
SUM:		55523.9	150107.6	50953.4	159059.3	5989.1	452674.1

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS ( $\mu$ l gas/kg dry sediment)

COMPOUND	SAMPLE-ID DEPTH (m)	G3231/H 2660.00	G3231/O 2660.00	G3242/H 2675.00	G3242/O 2675.00	G3232/H 2690.00	G3232/O 2690.00
C1		44929.81	22475.21	22374.57	1822.53	8466.78	1042.23
C2ene		0.00	40.42	0.00	46.74	0.00	37.69
C2		6857.55	34776.53	4839.51	3209.86	1549.82	1297.27
C3ene		7.79	59.87	8.67	25.65	5.05	18.94
C3		3386.31	44294.72	3973.30	8970.71	1261.26	3926.08
i-C4		308.86	5384.08	516.49	1933.55	175.77	878.45
C4ene		3.23	26.37	0.00	12.08	0.00	0.00
n-C4		809.17	14118.10	1383.10	6959.77	486.53	3252.87
?, RI is 410		0.00	38.30	0.00	13.76	0.00	0.00
2,2-DMC3		0.00	0.00	0.00	0.00	0.00	0.00
i-C5		166.20	2730.39	336.21	2429.74	125.35	1111.33
C5ene		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		169.75	2366.42	309.25	2747.67	123.20	1305.43
2,2-DMC4		0.00	22.65	0.00	29.97	0.00	12.89
Cyc5		26.54	220.21	48.01	236.87	19.99	124.39
2,3-DMC4		7.67	92.50	15.67	150.79	6.44	69.47
2-MC5		54.33	608.31	75.24	982.08	35.14	450.67
3-MC5		32.30	354.04	47.13	558.93	22.57	259.70
C6ene		0.00	0.00	0.00	0.00	0.00	0.00
n-C6		61.43	506.28	78.51	1035.64	39.71	478.38
MCyC5		61.27	427.64	110.69	731.08	56.54	392.70
2,4-DMC5		3.28	51.09	0.00	57.09	0.00	27.06
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		17.01	127.63	27.87	96.86	10.17	50.42
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
CyC6		65.39	384.52	127.52	706.02	61.37	387.01
2-MC6		13.96	71.80	12.46	208.56	7.98	95.78
2,3-DMC5		6.22	36.24	5.66	84.85	3.72	40.52
1,1-DMCyC5		7.75	47.25	9.48	90.74	5.53	45.84
3-MC6		17.07	86.29	14.67	232.10	9.94	108.01
1C,3-DMCyC5		10.02	49.90	11.69	112.84	7.92	57.95
1T,3-DMCyC5		10.88	52.96	12.29	122.02	8.40	62.15
1T,2-DMCyC5		16.25	81.63	18.75	179.36	13.19	93.49
n-C7		28.21	104.74	21.96	341.85	15.66	151.17
MCyC6		74.79	298.53	118.58	843.57	67.77	450.99
1,1,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	5.53	0.00	3.67	31.09
2,4-DMC6		5.55	19.14	0.00	64.52	0.00	0.00
1T,2C,4-TMCyC5		4.77	16.28	0.00	45.36	2.78	21.80
Toluene		13.50	53.83	29.39	96.81	11.44	53.58
2,3-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1T,2C,3-TMCyC5		4.22	13.83	0.00	36.30	0.00	17.50
1,1,2-TMCyC5		0.00	0.00	0.00	12.85	0.00	0.00
2-MC7		14.26	34.12	8.78	125.72	7.01	56.11
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1C,3-DMCyC6		10.40	26.55	9.38	88.68	7.33	43.76
3-MC7		6.54	14.29	4.54	62.94	3.30	28.48
1T,4-DMCyC6		4.80	11.07	4.79	42.55	3.48	21.15
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
1C,4-DMCyC6		0.00	0.00	0.00	29.16	0.00	0.00
1T,2-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
CyC7		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		16.52	34.16	12.49	135.19	9.98	60.91
?, RI is 804		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 807		0.00	0.00	0.00	18.89	0.00	0.00
?, RI is 814		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		4.65	0.00	0.00	28.41	0.00	12.78
?, RI is 825		0.00	0.00	0.00	0.00	0.00	0.00
ECyC6		7.98	15.99	7.21	56.27	5.03	27.77
3,5-DMC7		3.81	10.81	0.00	23.77	0.00	11.35
2,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		3.34	0.00	7.93	23.70	2.88	12.47
3-MC8		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 858		0.00	0.00	0.00	0.00	0.00	0.00
2-MC8		0.00	0.00	0.00	29.31	0.00	0.00
?, RI is 860		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	14.84	0.00	0.00
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
Nonenes		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		3.63	0.00	0.00	23.35	0.00	0.00
SUM:		57257.0	130184.7	34587.3	35931.9	12642.7	16627.6

IKU project 22.1989.00

Well 7120/2-2

Norsk Hydro

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS ( $\mu\text{l}$ gas/kg dry sediment)							
COMPOUND	SAMPLE-ID DEPTH (m)	G3243/H 2705.00	G3243/O 2705.00	G3233/H 2720.00	G3233/O 2720.00	G3244/H 2735.00	G3244/O 2735.00
C1		4688.23	987.75	2350.29	906.96	303.56	770.31
C2ene		0.00	37.97	0.00	29.61	0.00	36.21
C2		1200.73	935.28	562.39	379.57	184.89	636.29
C3ene		5.89	19.55	0.00	13.28	2.94	26.34
C3		1098.37	2431.77	403.28	944.54	200.79	2046.08
i-C4		162.44	473.60	49.05	196.60	25.89	456.69
C4ene		0.00	0.00	0.00	0.00	0.00	0.00
n-C4		465.12	1920.67	132.51	788.72	77.97	1778.06
?, RI is 410		0.00	0.00	0.00	0.00	0.00	0.00
2,2-DMC3		0.00	0.00	0.00	0.00	0.00	0.00
i-C5		131.52	667.00	32.61	300.99	19.74	690.59
C5ene		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		136.76	922.14	34.69	417.44	20.69	905.93
2,2-DMC4		0.00	0.00	0.00	0.00	0.00	0.00
CyC5		20.88	93.32	5.96	41.71	3.75	91.68
2,3-DMC4		7.75	47.08	0.00	23.95	0.00	52.65
2-MC5		41.00	359.17	12.04	181.55	6.87	410.24
3-MC5		25.39	209.58	7.52	105.41	4.00	240.18
C6ene		0.00	0.00	0.00	0.00	0.00	0.00
n-C6		46.43	471.54	14.49	256.78	9.07	528.44
MCyC5		63.11	344.09	18.65	176.13	10.78	367.13
2,4-DMC5		0.00	24.45	0.00	13.84	0.00	28.97
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		15.31	38.16	5.48	15.48	2.47	34.74
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	0.00
CyC6		72.61	332.85	20.96	176.62	11.45	353.70
2-MC6		9.71	102.23	4.11	63.39	2.09	131.65
2,3-DMC5		4.31	41.87	0.00	24.47	0.00	52.45
1,1-DMCyC5		6.12	44.52	2.24	24.12	0.00	53.77
3-MC6		11.50	119.29	5.28	73.13	2.57	154.19
1C,3-DMCyC5		8.71	63.76	3.66	36.45	1.91	79.22
1T,3-DMCyC5		9.22	69.09	3.94	39.60	2.07	86.51
1T,2-DMCyC5		14.44	102.16	6.00	57.56	3.12	128.88
n-C7		18.64	198.80	8.37	135.44	5.32	259.16
MCyC6		88.43	489.74	30.82	307.15	15.91	594.74
1,1,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		4.41	0.00	0.00	0.00	0.00	0.00
2,4-DMC6		0.00	35.31	0.00	25.10	0.00	47.80
1T,2C,4-TMCyC5		0.00	27.43	0.00	18.29	0.00	40.01
Toluene		20.50	46.41	6.07	23.74	3.71	50.06
2,3-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1T,2C,3-TMCyC5		0.00	22.69	0.00	15.55	0.00	33.95
1,1,2-TMCyC5		0.00	0.00	0.00	0.00	0.00	13.60
2-MC7		7.85	74.67	4.56	56.69	2.64	110.05
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	2.20	0.00	0.00	0.00
1C,3-DMCyC6		9.86	60.89	2.27	45.40	2.56	88.41
3-MC7		4.19	36.97	0.00	29.31	1.23	55.31
1T,4-DMCyC6		4.94	29.00	0.00	21.56	0.00	40.28
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
1C,4-DMCyC6		0.00	11.84	0.00	0.00	0.00	28.25
1T,2-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
CyC7		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		12.92	87.77	6.37	73.33	4.28	131.21
?, RI is 804		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 807		0.00	14.14	0.00	0.00	0.00	18.69
?, RI is 814		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	21.23	0.00	15.68	0.00	30.98
?, RI is 825		0.00	0.00	0.00	0.00	0.00	0.00
ECyC6		8.11	42.96	3.53	32.57	2.08	59.60
3,5-DMC7		0.00	17.54	0.00	13.03	0.00	26.25
2,5-DMC7		0.00	0.00	0.00	0.00	0.00	0.00
(m+p)-Xylene		6.85	14.06	0.00	0.00	1.56	18.73
3-MC8		0.00	0.00	0.00	0.00	0.00	0.00
E-Benzene		0.00	0.00	0.00	0.00	0.00	0.00
?, RI is 858		0.00	0.00	0.00	0.00	0.00	16.70
2-MC8		0.00	0.00	0.00	0.00	0.00	15.84
?, RI is 860		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	0.00	0.00	0.00	0.00	15.54
o-Xylene		0.00	0.00	0.00	0.00	0.00	0.00
Nonenes		0.00	0.00	0.00	0.00	0.00	0.00
n-C9		0.00	14.17	0.00	14.62	1.33	24.47
SUM:		8432.3	12104.5	3739.4	6115.3	937.3	11860.5

IKU project 22.1989.00

Well 7120/2-2

Norsk Hydro

YIELD OF HEADSPACE (H) AND OCCLUDED (O) GAS ( $\mu$ l gas/kg dry sediment)

COMPOUND	SAMPLE-ID DEPTH (m)	G3234/H 2750.00	G3234/O 2750.00	G3235/H 2780.00	G3235/O 2780.00	G3236/H 2799.32	G3236/O 2799.32
C1		147.87	817.85	2163.13	1003.84	3460.65	698.18
C2ene		0.00	32.11	0.00	35.37	0.00	66.77
C2		80.45	175.68	609.25	697.40	1976.50	201.96
C3ene		1.93	17.79	5.27	19.30	23.82	31.84
C3		109.58	583.48	608.02	797.45	5437.30	1563.12
i-C4		15.92	156.74	126.74	142.03	1628.99	1131.10
C4ene		0.00	0.00	0.00	0.00	0.00	10.33
n-C4		46.77	585.26	319.11	581.14	4047.43	3713.09
?, RI is 410		0.00	0.00	0.00	0.00	12.19	16.87
2,2-DMC3		0.00	0.00	0.00	0.00	0.00	0.00
i-C5		11.58	249.74	82.88	223.52	940.08	1971.43
C5ene		0.00	0.00	0.00	0.00	0.00	0.00
n-C5		12.74	339.61	98.14	357.48	1342.36	3518.77
2,2-DMC4		0.00	0.00	0.00	0.00	11.03	38.19
CyC5		1.89	33.05	11.37	31.06	107.28	175.03
2,3-DMC4		0.00	20.97	4.52	22.32	39.00	163.18
2-MC5		4.12	163.96	26.00	155.19	243.82	1290.93
3-MC5		2.64	95.09	14.97	88.19	138.68	687.65
C6ene		0.00	0.00	0.00	0.00	0.00	0.00
n-C6		6.15	233.74	44.48	321.13	489.57	2927.83
MCyC5		6.01	147.93	36.57	165.38	332.90	1089.96
2,4-DMC5		0.00	12.93	0.00	14.59	12.57	104.74
2,2,3-TMC4		0.00	0.00	0.00	0.00	0.00	0.00
Benzene		0.95	13.35	3.22	12.30	22.07	18.44
3,3-DMC5		0.00	0.00	0.00	0.00	0.00	12.63
CyC6		6.15	151.54	48.45	207.07	410.89	1214.89
2-MC6		1.49	65.68	8.00	74.15	49.13	468.28
2,3-DMC5		0.00	24.04	3.09	25.32	20.18	163.41
1,1-DMCyC5		0.00	21.85	3.07	19.04	22.13	113.66
3-MC6		1.88	74.80	8.78	77.88	52.62	472.40
1C,3-DMCyC5		1.23	33.81	4.76	32.08	34.71	197.94
1T,3-DMCyC5		1.32	37.48	5.12	35.42	36.12	210.61
1T,2-DMCyC5		1.92	52.66	7.29	49.00	50.48	289.15
n-C7		4.09	146.95	22.17	243.62	174.00	1693.11
MCyC6		10.05	294.65	57.53	415.01	410.72	2103.72
1,1,3-TMCyC5		0.00	0.00	0.00	0.00	0.00	0.00
2,5-DMC6		0.00	0.00	3.28	0.00	17.55	0.00
2,4-DMC6		0.00	26.79	0.00	30.86	0.00	147.82
1T,2C,4-TMCyC5		0.00	19.48	0.00	16.39	9.70	84.87
Toluene		1.65	29.10	5.73	26.26	41.27	78.38
2,3-DMC6		0.00	0.00	0.00	0.00	0.00	0.00
1T,2C,3-TMCyC5		0.00	15.54	0.00	12.28	8.00	66.34
1,1,2-TMCyC5		0.00	0.00	0.00	0.00	3.93	39.56
2-MC7		1.92	68.41	7.51	75.51	31.14	337.81
4-MC7		0.00	0.00	0.00	0.00	0.00	0.00
3,4-DMC6		0.00	0.00	0.00	0.00	0.00	16.62
1C,3-DMCyC6		0.85	49.78	6.76	59.67	35.34	262.83
3-MC7		0.90	36.65	4.05	42.18	16.32	176.65
1T,4-DMCyC6		0.00	24.09	3.50	31.97	18.91	131.20
2,2-DMC7		0.00	0.00	0.00	0.00	0.00	9.85
1C,4-DMCyC6		0.00	0.00	0.00	10.17	6.24	64.20
1T,2-DMCyC6		0.00	0.00	0.00	0.00	0.00	0.00
CyC7		0.00	0.00	0.00	0.00	0.00	0.00
n-C8		3.15	91.64	13.04	142.66	69.52	693.93
?, RI is 804		0.00	0.00	0.00	0.00	0.00	9.94
?, RI is 807		0.00	10.67	0.00	13.48	8.32	56.81
?, RI is 814		0.00	0.00	0.00	0.00	0.00	0.00
2,4-DMC7		0.00	20.65	2.05	16.80	6.95	56.56
?, RI is 825		0.00	0.00	0.00	0.00	0.00	18.91
ECyC6		1.41	40.69	6.39	60.15	29.40	199.43
3,5-DMC7		0.00	16.35	0.00	11.78	4.44	36.73
2,5-DMC7		0.00	0.00	0.00	0.00	0.00	14.50
(m+p)-Xylene		0.00	14.72	2.35	14.65	13.83	47.58
3-MC8		0.00	0.00	0.00	0.00	0.00	15.71
E-Benzene		0.00	0.00	0.00	0.00	3.99	13.40
?, RI is 858		0.00	0.00	0.00	0.00	0.00	0.00
2-MC8		0.00	25.78	0.00	29.08	9.89	98.69
?, RI is 860		0.00	0.00	0.00	0.00	0.00	0.00
4-MC8		0.00	12.82	0.00	13.77	5.22	42.56
o-Xylene		0.00	0.00	0.00	10.51	4.06	31.85
Nonenes		0.00	0.00	0.00	0.00	0.00	33.12
n-C9		0.93	24.35	3.67	33.29	13.56	136.80
SUM:		487.5	5110.3	4380.3	6497.7	21884.8	29281.9



Norsk Hydro a.s Bergen  
E&P Research Centre

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CONOCO ESSO MOBIL STATOIL NPD  HYDRO	<b>BA91-1878-1</b> 18 SEPT. 1991 <b>REGISTRERT</b> <b>OLJEDIREKTORATET</b>	<b>GEOCHEMICAL EVALUATION</b> OF WELL: 7120/2-2 <b>OLJEDIREKTORATET</b> <b>AVD. KONTOR HARSTAD</b> Journal nr.: 91,13301-/ dato 3-SEP-91

Summary/Conclusion//Recommendation

Keywords  
Geochemistry, source rocks, maturity  
migrated hydrocarbons

Pages-appendix 12	Amendment no.	Revision no.	Revision date
Quadrant/Block-well 7120/2	Project no. 31773	Licens no. PL 109	Date 16.07.91
Department	GEOSECTION		
Section	BAS.MOD./PETR.GEOCHEM.		
Authors	L.AAKVAAG, B.COOPER, N.TELNÆS		
Controlled			
Accepted	<i>Sigill Nysæther, 19. aug., 1991</i>		
Approved			

Postal Address: P.O.Box 4313 5028 Nygårdstangen Norway	Office Address: Lars Hillesgt. 30 5008 Bergen Norway	Phone: National: (05) 99 50 00 Internat.: +47 5 99 50 00	Telefax: National: (05) 99 61 96 Internat.: +47 5 99 61 96	Telex: 40920 hydro n
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## 1. INTRODUCTION

This study of the petroleum geochemistry of the well section is based upon 63 determinations of vitrinite reflectivity, 48 RockEval/TOC analyses of fresh and solvent-extracted drill cutting samples, 24 visual kerogen analyses, gas chromatography of 31 rock extracts and 1 oil thermal extraction of 18 samples, pyrolysis-GC of 24 samples, GC-MS of 5 rock extracts and 1 oil and stable carbon isotope analysis on fractions from the same 5 rock extracts and the oil.

Measurements of vitrinite reflectivity were carried out by Geo-Optics, determinations of carbon isotope ratios at GeolabNor and visual kerogen composition by Geochem. All other analyses and compilation of this report is carried out at Norsk Hydro Research Center in Bergen.

Geochemistry 7120/2-2

**TABLE 2.1**

**Average Vitrinite Reflectance**

**(GeoOptics, Newcastle)**

Table 2.1 VITRINITE REFLECTANCE DATA WELL 7120/2-2  
Average values

Depth	%	Lithology	Type	Population I	Population II	Population III	SCI
810.00	70	SH	DC	0.40 ( 8)			
840.00	100	SH	DC	0.42 ( 7)			
870.00	100	SH	DC	0.40 ( 11)			
900.00	100	SLST/SH	DC	0.42 ( 15)			
930.00	100	SH	DC	0.41 ( 15)			
960.00	100	SH	DC	0.40 ( 6)			
990.00	100	SH	DC	0.38 ( 6)			
1020.00	100	SH	DC	0.45 ( 9)			
1050.00	100	SH	DC	0.43 ( 10)			
1080.00	100	SH	DC	0.44 ( 2)			
1110.00	100	SH	DC	0.47 ( 5)			
1140.00	100	SH	DC	0.40 ( 2)			
1170.00	100	SH	DC	0.50 ( 2)			
1200.00	100	SH	DC	0.51 ( 1)			
1230.00	100	SH	DC	0.50 ( 2)			
1260.00	100	SU	DC	0.44 ( 12)			
1290.00	100	SH	DC	0.45 ( 13)			
1320.00	100	SH	DC	0.47 ( 15)			

Table 2.1 VITRINITE REFLECTANCE DATA WELL 7120/2-2 (cont'd)  
Average values

Depth	%	Lithology	Type	Population I	Population II	Population III	SCI
1350.00	100	SH	DC	0.42 ( 6)			
1380.00	100	SH	DC	0.42 ( 10)			
1410.00	100	SH	DC	0.45 ( 4)			
1440.00	100	SH	DC	0.48 ( 9)			
1470.00	100	SH	DC	0.43 ( 4)			
1500.00	100	SH	DC	0.47 ( 6)			
1530.00	100	SH	DC	0.44 ( 3)			
1560.00	100	SH	DC	0.49 ( 3)			
1595.00	90	SH	DC	0.41 ( 1)			
1620.00	100	SH	DC	0.52 ( 1)			
1680.00	100	SH	DC	0.62 ( 1)			
1710.00	100	SH	DC	0.52 ( 2)			
1740.00	100	SLTY.SH	DC	0.47 ( 1)			
1767.00	70	SLTY.SH	DC	0.61 ( 2)			
1807.00	100	SLTY.SH	DC	0.51 ( 5)			
1830.00	90	SH	DC	0.49 ( 7)			
1860.00	60	SLST	DC	0.55 ( 4)			
1890.00	60	SLST	DC	0.50 ( 3)			
1960.00	80	SH/SLST	DC	0.52 ( 12)			

Table 2.1 VITRINITE REFLECTANCE DATA WELL 7120/2-2 (cont'd)  
Average values

Depth	%	Lithology	Type	Population I	Population II	Population III	SCI
1990.00	100	SLTY.SH	DC	0.51 ( 20)			
2020.00	100	SLTY.SH	DC	0.52 ( 4)			
2050.00	100	SH/SLST	DC	0.58 ( 9)			
2080.00	100	SLTY.SH	DC	0.55 ( 15)			
2115.00	100	SLTY.SH	DC	0.59 ( 10)			
2150.00	70	SLTY.SH	DC	0.57 ( 9)			
2175.00	60	SH	DC	0.60 ( 15)			
2210.00	90	SH	DC	0.56 ( 4)			
2240.00	100	SLTY.SH	DC	0.62 ( 4)			
2270.00	60	SH	DC	0.59 ( 2)			
2300.00	50	SLST	DC	0.59 ( 1)			
2330.00	40	SLST	DC	0.59 ( 7)			
2360.00	60	SH	DC	0.68 ( 5)			
2390.00	70	SST	DC	0.61 ( 5)			
2420.00	100	SLST	DC	0.63 ( 6)			
2450.00	70	SLST	DC	0.60 ( 5)			
2480.00	30	SLST	DC	0.48 ( 22)			
2510.00	90	SH	DC	0.51 ( 21)			
2540.00	100	SH	DC	0.53 ( 8)			

Table 2.1 VITRINITE REFLECTANCE DATA WELL 7120/2-2 (cont'd)  
Average values



Depth	%	Lithology	Type	Population I	Population II	Population III	SCI
2580.00	100	SH	DC	0.51 ( 4)			
2610.00	100	SH	DC	0.57 ( 16)			
2650.00	100	SH	DC	0.71 ( 21)			
2670.00	90	SH	DC	0.73 ( 21)			
2690.00	100	SLTY.SH	DC	0.74 ( 4)			
2710.00	80	SST	DC	0.73 ( 2)			
2740.00	70	SST	DC	0.76 ( 4)			

**TABLE 3.1**

Rock Eval/TOC Screening Results

Table 3.1 SOURCE ROCK SCREENING DATA WELL 7120/2-2

Depth (m)	% Lithology	Type	S1 kg/t	S2 kg/t	TOC %	HI	PI	Tmax DegC	Company
810.00		DCW	0.01	0.70	0.6	117	0.01	435	F-BERGEN
820.00		DCW	0.00	0.49	0.7	70	0.00	434	F-BERGEN
830.00		DCW	0.00	0.48	0.8	60	0.00	435	F-BERGEN
840.00		DCW	0.00	0.33	0.8	41	0.00	437	F-BERGEN
850.00		DCW	0.00	0.43	0.9	48	0.00	436	F-BERGEN
870.00		DCW	0.00	0.55	0.9	61	0.00	438	F-BERGEN
880.00		DCW	0.00	0.40	0.9	44	0.00	433	F-BERGEN
890.00		DCW	0.00	0.77	0.9	86	0.00	436	F-BERGEN
900.00		DCW	0.00	0.54	0.8	68	0.00	437	F-BERGEN
910.00		DCW	0.00	0.49	1.0	49	0.00	437	F-BERGEN
920.00		DCW	0.00	0.56	0.9	62	0.00	436	F-BERGEN
930.00		DCW	0.00	0.59	0.9	66	0.00	437	F-BERGEN
940.00		DCW	0.00	0.66	1.0	66	0.00	442	F-BERGEN
950.00		DCW	0.00	0.53	0.8	66	0.00	436	F-BERGEN
960.00		DCW	0.00	0.41	0.7	59	0.00	436	F-BERGEN
970.00		DCW	0.00	0.43	0.7	61	0.00	437	F-BERGEN
980.00		DCW	0.01	0.65	0.8	81	0.02	437	F-BERGEN
990.00		DCW	0.00	0.31	0.6	52	0.00	436	F-BERGEN

Table 3.1 SOURCE ROCK SCREENING DATA WELL 7120/2-2 (cont'd)



Depth (m)	% Lithology	Type	S1 kg/t	S2 kg/t	TOC %	HI	PI	Tmax DegC	Company
1000.00		DCW	0.00	0.39	0.6	65	0.00	438	F-BERGEN
1005.00		DCW	0.00	0.42	0.6	70	0.00	433	F-BERGEN
1010.00		DCW	0.00	0.35	0.6	58	0.00	442	F-BERGEN
1015.00		DCW	0.00	0.40	0.6	67	0.00	437	F-BERGEN
1020.00		DCW	0.00	0.39	0.6	65	0.00	435	F-BERGEN
1025.00		DCW	0.00	0.39	0.6	65	0.00	436	F-BERGEN
1030.00		DCW	0.00	0.39	0.6	65	0.00	436	F-BERGEN
1035.00		DCW	0.00	0.35	0.6	58	0.00	436	F-BERGEN
1040.00		DCW	0.00	0.31	0.6	52	0.00	437	F-BERGEN
1045.00		DCW	0.00	0.45	0.6	75	0.00	435	F-BERGEN
1050.00		DCW	0.00	0.33	0.5	66	0.00	435	F-BERGEN
1055.00		DCW	0.00	0.33	0.5	66	0.00	436	F-BERGEN
1065.00		DCW	0.00	0.33	0.4	83	0.00	438	F-BERGEN
1070.00		DCW	0.00	0.29	0.5	58	0.00	438	F-BERGEN
1075.00		DCW	0.00	0.34	0.4	85	0.00	435	F-BERGEN
1080.00		DCW	0.00	0.31	0.5	62	0.00	436	F-BERGEN
1085.00		DCW	0.00	0.39	0.5	78	0.00	435	F-BERGEN
1090.00		DCW	0.00	0.45	0.6	75	0.00	436	F-BERGEN
1095.00		DCW	0.01	0.56	0.6	93	0.02	431	F-BERGEN

Table 3.1 SOURCE ROCK SCREENING DATA WELL 7120/2-2 (cont'd)



Depth (m)	% Lithology	Type	S1 kg/t	S2 kg/t	TOC %	HI	PI	Tmax DegC	Company
1100.00		DCW	0.01	0.44	0.5	88	0.02	434	F-BERGEN
1105.00		DCW	0.01	0.55	0.6	92	0.02	438	F-BERGEN
1110.00		DCW	0.01	0.55	0.6	92	0.02	437	F-BERGEN
1115.00		DCW	0.01	0.54	0.6	90	0.02	437	F-BERGEN
1120.00		DCW	0.01	0.37	0.4	93	0.03	435	F-BERGEN
1125.00		DCW	0.01	0.33	0.4	83	0.03	436	F-BERGEN
1130.00		DCW	0.00	0.39	0.4	98	0.00	436	F-BERGEN
1135.00		DCW	0.01	0.29	0.3	97	0.03	437	F-BERGEN
1140.00		DCW	0.01	0.35	0.3	117	0.03	436	F-BERGEN
1145.00		DCW	0.01	0.31	0.3	103	0.03	438	F-BERGEN
1150.00		DCW	0.00	0.33	0.4	83	0.00	437	F-BERGEN
1155.00		DCW	0.01	0.43	0.5	86	0.02	437	F-BERGEN
1160.00		DCW	0.01	0.50	0.5	100	0.02	435	F-BERGEN
1165.00		DCW	0.01	0.43	0.4	108	0.02	436	F-BERGEN
1170.00		DCW	0.01	0.39	0.4	98	0.03	434	F-BERGEN
1175.00		DCW	0.01	0.44	0.4	110	0.02	436	F-BERGEN
1180.00		DCW	0.02	0.52	0.4	130	0.04	435	F-BERGEN
1185.00		DCW	0.00	0.48	0.4	120	0.00	436	F-BERGEN
1190.00		DCW	0.01	0.65	0.5	130	0.02	435	F-BERGEN

Table 3.1 SOURCE ROCK SCREENING DATA WELL 7120/2-2 (cont'd)



Depth (m)	% Lithology	Type	S1 kg/t	S2 kg/t	TOC %	HI	PI	Tmax DegC	Company
1195.00		DCW	0.01	0.44	0.4	110	0.02	435	F-BERGEN
1200.00		DCW	0.01	0.27	0.3	90	0.04	436	F-BERGEN
1205.00		DCW	0.01	0.45	0.4	113	0.02	435	F-BERGEN
1210.00		DCW	0.01	0.84	0.5	168	0.01	435	F-BERGEN
1215.00		DCW	0.01	0.38	0.4	95	0.03	435	F-BERGEN
1220.00		DCW	0.01	0.41	0.4	103	0.02	436	F-BERGEN
1225.00		DCW	0.01	0.51	0.5	102	0.02	436	F-BERGEN
1230.00		DCW	0.01	0.54	0.5	108	0.02	436	F-BERGEN
1235.00		DCW	0.01	0.57	0.5	114	0.02	437	F-BERGEN
1240.00		DCW	0.01	0.49	0.5	98	0.02	438	F-BERGEN
1245.00		DCW	0.01	0.65	0.6	108	0.02	437	F-BERGEN
1250.00		DCW	0.01	0.93	0.7	133	0.01	435	F-BERGEN
1255.00		DCW	0.01	0.66	0.6	110	0.01	438	F-BERGEN
1260.00		DCW	0.01	0.70	0.6	117	0.01	439	F-BERGEN
1265.00		DCW	0.03	0.86	0.7	123	0.03	438	F-BERGEN
1270.00		DCW	0.03	0.81	0.6	135	0.04	437	F-BERGEN
1275.00		DCW	0.01	0.55	0.5	110	0.02	436	F-BERGEN
1280.00		DCW	0.03	0.95	0.6	158	0.03	435	F-BERGEN
1285.00		DCW	0.03	0.71	0.6	118	0.04	435	F-BERGEN

Table 3.1 SOURCE ROCK SCREENING DATA WELL 7120/2-2 (cont'd)



Depth (m)	% Lithology	Type	S1 kg/t	S2 kg/t	TOC %	HI	PI	Tmax DegC	Company
1290.00		DCW	0.01	0.55	0.6	92	0.02	437	F-BERGEN
1295.00		DCW	0.03	0.63	0.6	105	0.05	437	F-BERGEN
1300.00		DCW	0.01	0.63	0.5	126	0.02	438	F-BERGEN
1305.00		DCW	0.03	0.61	0.5	122	0.05	437	F-BERGEN
1310.00		DCW	0.03	0.73	0.6	122	0.04	435	F-BERGEN
1315.00		DCW	0.03	0.79	0.5	158	0.04	435	F-BERGEN
1320.00		DCW	0.03	0.59	0.5	118	0.05	438	F-BERGEN
1325.00		DCW	0.03	0.67	0.5	134	0.04	438	F-BERGEN
1330.00		DCW	0.03	0.71	0.6	118	0.04	438	F-BERGEN
1335.00		DCW	0.03	0.63	0.6	105	0.05	437	F-BERGEN
1340.00		DCW	0.03	0.66	0.6	110	0.04	439	F-BERGEN
1345.00		DCW	0.03	0.63	0.6	105	0.05	440	F-BERGEN
1350.00		DCW	0.03	0.91	0.7	130	0.03	436	F-BERGEN
1355.00		DCW	0.05	1.03	0.7	147	0.05	436	F-BERGEN
1360.00		DCW	0.03	0.67	0.7	96	0.04	438	F-BERGEN
1365.00		DCW	0.03	0.70	0.6	117	0.04	435	F-BERGEN
1370.00		DCW	0.03	0.06	0.6	10	0.33	432	F-BERGEN
1375.00		DCW	0.01	0.51	0.5	102	0.02	436	F-BERGEN
1380.00		DCW	0.01	0.63	0.6	105	0.02	438	F-BERGEN

Table 3.1 SOURCE ROCK SCREENING DATA WELL 7120/2-2 (cont'd)

Depth (m)	% Lithology	Type	S1 kg/t	S2 kg/t	TOC %	HI	PI	Tmax DegC	Company
1385.00		DCW	0.03	0.63	0.6	105	0.05	431	F-BERGEN
1390.00		DCW	0.01	0.65	0.5	130	0.02	436	F-BERGEN
1395.00		DCW	0.01	0.47	0.5	94	0.02	437	F-BERGEN
1400.00		DCW	0.01	0.57	0.4	143	0.02	438	F-BERGEN
1405.00		DCW	0.03	0.68	0.6	113	0.04	438	F-BERGEN
1410.00		DCW	0.03	0.60	0.6	100	0.05	438	F-BERGEN
1415.00		DCW	0.01	0.55	0.6	92	0.02	433	F-BERGEN
1420.00		DCW	0.01	0.72	0.7	103	0.01	437	F-BERGEN
1425.00		DCW	0.01	0.75	0.7	107	0.01	440	F-BERGEN
1430.00		DCW	0.01	0.62	0.7	89	0.02	437	F-BERGEN
1435.00		DCW	0.03	1.23	0.8	154	0.02	436	F-BERGEN
1440.00		DCW	0.01	0.75	0.8	94	0.01	437	F-BERGEN
1445.00		DCW	0.01	0.76	0.8	95	0.01	438	F-BERGEN
1450.00		DCW	0.00	0.25	0.6	42	0.00	438	F-BERGEN
1455.00		DCW	0.00	0.15	0.5	30	0.00	436	F-BERGEN
1460.00		DCW	0.01	0.27	0.7	39	0.04	437	F-BERGEN
1465.00		DCW	0.00	0.35	0.7	50	0.00	436	F-BERGEN
1470.00		DCW	0.01	0.33	0.7	47	0.03	438	F-BERGEN
1475.00		DCW	0.01	0.29	0.7	41	0.03	435	F-BERGEN

Table 3.1 SOURCE ROCK SCREENING DATA WELL 7120/2-2 (cont'd)

Depth (m)	% Lithology	Type	S1 kg/t	S2 kg/t	TOC %	HI	PI	Tmax DegC	Company
1480.00		DCW	0.01	0.23	0.7	33	0.04	439	F-BERGEN
1485.00		DCW	0.01	0.23	0.7	33	0.04	437	F-BERGEN
1490.00		DCW	0.00	0.27	0.7	39	0.00	439	F-BERGEN
1495.00		DCW	0.01	0.19	0.6	32	0.05	436	F-BERGEN
1500.00		DCW	0.00	0.19	0.7	27	0.00	438	F-BERGEN
1505.00		DCW	0.00	0.19	0.6	32	0.00	438	F-BERGEN
1510.00		DCW	0.00	0.19	0.6	32	0.00	439	F-BERGEN
1515.00		DCW	0.01	0.19	0.6	32	0.05	440	F-BERGEN
1520.00		DCW	0.00	0.15	0.5	30	0.00	439	F-BERGEN
1525.00		DCW	0.00	0.16	0.6	27	0.00	437	F-BERGEN
1530.00		DCW	0.00	0.17	0.7	24	0.00	438	F-BERGEN
1535.00		DCW	0.00	0.21	0.7	30	0.00	438	F-BERGEN
1540.00		DCW	0.00	0.21	0.6	35	0.00	437	F-BERGEN
1545.00		DCW	0.01	0.25	0.6	42	0.04	435	F-BERGEN
1550.00		DCW	0.01	0.25	0.6	42	0.04	439	F-BERGEN
1555.00		DCW	0.00	0.15	0.6	25	0.00	437	F-BERGEN
1560.00		DCW	0.00	0.19	0.6	32	0.00	436	F-BERGEN
1565.00		DCW	0.00	0.13	0.6	22	0.00	437	F-BERGEN
1570.00		DCW	0.00	0.15	0.7	21	0.00	439	F-BERGEN

Table 3.1 SOURCE ROCK SCREENING DATA WELL 7120/2-2 (cont'd)

Depth (m)	% Lithology	Type	S1 kg/t	S2 kg/t	TOC %	HI	PI	Tmax DegC	Company
1575.00		DCW	0.00	0.15	0.6	25	0.00	437	F-BERGEN
1580.00		DCW	0.00	0.17	0.6	28	0.00	438	F-BERGEN
1585.00		DCW	0.00	0.19	0.7	27	0.00	437	F-BERGEN
1595.00		DCW	0.00	0.23	0.7	33	0.00	440	F-BERGEN
1600.00		DCW	0.00	0.24	0.7	34	0.00	438	F-BERGEN
1602.00		DCW	0.00	0.21	0.7	30	0.00	437	F-BERGEN
1605.00		DCW	0.00	0.23	0.7	33	0.00	439	F-BERGEN
1607.00		DCW	0.00	0.25	0.7	36	0.00	440	F-BERGEN
1610.00		DCW	0.00	0.21	0.7	30	0.00	439	F-BERGEN
1615.00		DCW	0.00	0.25	0.7	36	0.00	440	F-BERGEN
1617.00		DCW	0.00	0.19	0.7	27	0.00	440	F-BERGEN
1620.00		DCW	0.00	0.19	0.7	27	0.00	439	F-BERGEN
1625.00		DCW	0.00	0.21	0.7	30	0.00	438	F-BERGEN
1627.00		DCW	0.00	0.21	0.7	30	0.00	436	F-BERGEN
1630.00		DCW	0.00	0.21	0.6	35	0.00	439	F-BERGEN
1632.00		DCW	0.00	0.13	0.6	22	0.00	441	F-BERGEN
1635.00		DCW	0.00	0.17	0.6	28	0.00	438	F-BERGEN
1637.00		DCW	0.00	0.19	0.7	27	0.00	440	F-BERGEN
1640.00		DCW	0.00	0.17	0.7	24	0.00	438	F-BERGEN

Table 3.1 SOURCE ROCK SCREENING DATA WELL 7120/2-2 (cont'd)



Depth (m)	% Lithology	Type	S1 kg/t	S2 kg/t	TOC %	HI	PI	Tmax DegC	Company
1642.00		DCW	0.00	0.19	0.7	27	0.00	437	F-BERGEN
1645.00		DCW	0.00	0.17	0.7	24	0.00	438	F-BERGEN
1647.00		DCW	0.00	0.19	0.7	27	0.00	438	F-BERGEN
1650.00		DCW	0.00	0.15	0.6	25	0.00	437	F-BERGEN
1652.00		DCW	0.00	0.13	0.6	22	0.00	441	F-BERGEN
1655.00		DCW	0.00	0.13	0.6	22	0.00	441	F-BERGEN
1657.00		DCW	0.00	0.13	0.6	22	0.00	439	F-BERGEN
1660.00		DCW	0.00	0.15	0.6	25	0.00	439	F-BERGEN
1662.00		DCW	0.00	0.13	0.6	22	0.00	439	F-BERGEN
1665.00		DCW	0.01	0.15	0.7	21	0.06	440	F-BERGEN
1667.00		DCW	0.00	0.17	0.7	24	0.00	439	F-BERGEN
1670.00		DCW	0.00	0.13	0.6	22	0.00	443	F-BERGEN
1672.00		DCW	0.00	0.13	0.6	22	0.00	444	F-BERGEN
1675.00		DCW	0.00	0.11	0.6	18	0.00	443	F-BERGEN
1677.00		DCW	0.00	0.13	0.6	22	0.00	441	F-BERGEN
1680.00		DCW	0.00	0.13	0.7	19	0.00	440	F-BERGEN
1682.00		DCW	0.00	0.13	0.6	22	0.00	442	F-BERGEN
1685.00		DCW	0.00	0.11	0.6	18	0.00	443	F-BERGEN
1687.00		DCW	0.00	0.09	0.6	15	0.00	445	F-BERGEN

Table 3.1 SOURCE ROCK SCREENING DATA WELL 7120/2-2 (cont'd)

Depth (m)	% Lithology	Type	S1 kg/t	S2 kg/t	TOC %	HI	PI	Tmax DegC	Company
1690.00		DCW	0.00	0.11	0.6	18	0.00	442	F-BERGEN
1692.00		DCW	0.00	0.13	0.6	22	0.00	441	F-BERGEN
1695.00		DCW	0.00	0.15	0.6	25	0.00	441	F-BERGEN
1697.00		DCW	0.00	0.13	0.6	22	0.00	445	F-BERGEN
1700.00		DCW	0.00	0.15	0.7	21	0.00	441	F-BERGEN
1702.00		DCW	0.00	0.17	0.7	24	0.00	440	F-BERGEN
1705.00		DCW	0.00	0.17	0.7	24	0.00	440	F-BERGEN
1707.00		DCW	0.00	0.15	0.6	25	0.00	443	F-BERGEN
1710.00		DCW	0.00	0.19	0.6	32	0.00	441	F-BERGEN
1712.00		DCW	0.00	0.15	0.6	25	0.00	440	F-BERGEN
1715.00		DCW	0.00	0.27	0.8	34	0.00	470	F-BERGEN
1717.00		DCW	0.00	0.34	0.9	38	0.00	461	F-BERGEN
1720.00		DCW	0.01	0.39	0.9	43	0.03	466	F-BERGEN
1722.00		DCW	0.00	0.29	0.8	36	0.00	452	F-BERGEN
1725.00		DCW	0.00	0.28	0.9	31	0.00	453	F-BERGEN
1727.00		DCW	0.00	0.33	0.9	37	0.00	450	F-BERGEN
1730.00		DCW	0.01	0.33	0.9	37	0.03	451	F-BERGEN
1732.00		DCW	0.01	0.29	0.9	32	0.03	448	F-BERGEN
1735.00		DCW	0.00	0.27	1.0	27	0.00	448	F-BERGEN

Table 3.1 SOURCE ROCK SCREENING DATA WELL 7120/2-2 (cont'd)



Depth (m)	% Lithology	Type	S1 kg/t	S2 kg/t	TOC %	HI	PI	Tmax DegC	Company
1737.00		DCW	0.00	0.25	1.0	25	0.00	442	F-BERGEN
1740.00		DCW	0.00	0.25	1.0	25	0.00	449	F-BERGEN
1742.00		DCW	0.00	0.21	1.0	21	0.00	441	F-BERGEN
1745.00		DCW	0.01	0.23	0.8	29	0.04	441	F-BERGEN
1747.00		DCW	0.01	0.21	0.9	23	0.05	441	F-BERGEN
1750.00		DCW	0.00	0.23	0.7	33	0.00	441	F-BERGEN
1752.00		DCW	0.01	0.17	0.8	21	0.06	429	F-BERGEN
1755.00		DCW	0.00	0.19	0.7	27	0.00	438	F-BERGEN
1757.00		DCW	0.00	0.21	0.7	30	0.00	437	F-BERGEN
1760.00		DCW	0.00	0.24	0.7	34	0.00	435	F-BERGEN
1762.00		DCW	0.01	0.31	0.8	39	0.03	441	F-BERGEN
1765.00		DCW	0.01	0.21	0.7	30	0.05	440	F-BERGEN
1767.00		DCW	0.00	0.15	0.7	21	0.00	435	F-BERGEN
1770.00		DCW	0.01	0.27	0.8	34	0.04	440	F-BERGEN
1772.00		DCW	0.01	0.19	0.7	27	0.05	431	F-BERGEN
1775.00		DCW	0.00	0.19	0.6	32	0.00	434	F-BERGEN
1777.00		DCW	0.01	0.33	0.7	47	0.03	434	F-BERGEN
1780.00		DCW	0.00	0.25	0.7	36	0.00	437	F-BERGEN
1782.00		DCW	0.01	0.27	0.7	39	0.04	436	F-BERGEN

Table 3.1 SOURCE ROCK SCREENING DATA WELL 7120/2-2 (cont'd)



Depth (m)	% Lithology	Type	S1 kg/t	S2 kg/t	TOC %	HI	PI	Tmax DegC	Company
1785.00		DCW	0.00	0.19	0.7	27	0.00	440	F-BERGEN
1787.00		DCW	0.01	0.27	0.6	45	0.04	437	F-BERGEN
1790.00		DCW	0.01	0.19	0.6	32	0.05	440	F-BERGEN
1792.00		DCW	0.01	0.21	0.6	35	0.05	437	F-BERGEN
1795.00		DCW	0.00	0.19	0.6	32	0.00	435	F-BERGEN
1797.00		DCW	0.01	0.21	0.6	35	0.05	438	F-BERGEN
1800.00		DCW	0.00	0.15	0.6	25	0.00	437	F-BERGEN
1805.00		DCW	0.01	0.17	0.6	28	0.06	431	F-BERGEN
1807.00		DCW	0.02	0.42	0.7	60	0.05	434	F-BERGEN
1810.00		DCW	0.01	0.35	0.6	58	0.03	433	F-BERGEN
1812.00		DCW	0.01	0.33	0.6	55	0.03	433	F-BERGEN
1815.00		DCW	0.01	0.34	0.6	57	0.03	436	F-BERGEN
1817.00		DCW	0.01	0.33	0.6	55	0.03	436	F-BERGEN
1820.00		DCW	0.01	0.28	0.6	47	0.03	434	F-BERGEN
1822.00		DCW	0.01	0.21	0.6	35	0.05	436	F-BERGEN
1825.00		DCW	0.03	0.27	0.6	45	0.10	429	F-BERGEN
1827.00		DCW	0.01	0.15	0.5	30	0.06	436	F-BERGEN
1830.00		DCW	0.01	0.13	0.5	26	0.07	430	F-BERGEN
1832.00		DCW	0.01	0.19	0.6	32	0.05	436	F-BERGEN

Table 3.1 SOURCE ROCK SCREENING DATA WELL 7120/2-2 (cont'd)



Depth (m)	% Lithology	Type	S1 kg/t	S2 kg/t	TOC %	HI	PI	Tmax DegC	Company
1835.00		DCW	0.01	0.19	0.6	32	0.05	434	F-BERGEN
1837.00		DCW	0.01	0.19	0.6	32	0.05	434	F-BERGEN
1842.00		DCW	0.01	0.11	0.5	22	0.08	442	F-BERGEN
1845.00		DCW	0.01	0.21	0.5	42	0.05	435	F-BERGEN
1847.00		DCW	0.01	0.19	0.5	38	0.05	441	F-BERGEN
1850.00		DCW	0.01	0.17	0.5	34	0.06	438	F-BERGEN
1852.00		DCW	0.01	0.17	0.5	34	0.06	440	F-BERGEN
1855.00		DCW	0.01	0.23	0.5	46	0.04	437	F-BERGEN
1857.00		DCW	0.01	0.17	0.5	34	0.06	438	F-BERGEN
1860.00		DCW	0.00	0.15	0.5	30	0.00	439	F-BERGEN
1862.00		DCW	0.01	0.21	0.5	42	0.05	438	F-BERGEN
1865.00		DCW	0.01	0.17	0.5	34	0.06	433	F-BERGEN
1867.00		DCW	0.01	0.15	0.5	30	0.06	441	F-BERGEN
1870.00		DCW	0.01	0.15	0.5	30	0.06	442	F-BERGEN
1872.00		DCW	0.01	0.15	0.4	38	0.06	443	F-BERGEN
1875.00		DCW	0.01	0.19	0.5	38	0.05	437	F-BERGEN
1877.00		DCW	0.01	0.19	0.5	38	0.05	437	F-BERGEN
1880.00		DCW	0.01	0.17	0.5	34	0.06	439	F-BERGEN
1882.00		DCW	0.01	0.17	0.5	34	0.06	440	F-BERGEN

Table 3.1 SOURCE ROCK SCREENING DATA WELL 7120/2-2 (cont'd)

Depth (m)	% Lithology	Type	S1 kg/t	S2 kg/t	TOC %	HI	PI	Tmax DegC	Company
1885.00		DCW	0.01	0.21	0.5	42	0.05	443	F-BERGEN
1887.00		DCW	0.00	0.13	0.5	26	0.00	443	F-BERGEN
1890.00		DCW	0.01	0.17	0.6	28	0.06	437	F-BERGEN
1892.00		DCW	0.00	0.13	0.5	26	0.00	440	F-BERGEN
1895.00		DCW	0.00	0.13	0.4	33	0.00	441	
1895.00		DCW	0.00	0.13	0.4	33	0.00	441	F-BERGEN
1897.00		DCW	0.01	0.19	0.5	38	0.05	435	F-BERGEN
1900.00		DCW	0.02	0.16	0.5	32	0.11	432	F-BERGEN
1902.00		DCW	0.00	0.13	0.5	26	0.00	445	F-BERGEN
1905.00		DCW	0.01	0.17	0.5	34	0.06	442	F-BERGEN
1907.00		DCW	0.00	0.13	0.4	33	0.00	443	F-BERGEN
1910.00		DCW	0.00	0.11	0.2	55	0.00	444	F-BERGEN
1912.00		DCW	0.03	0.21	0.5	42	0.13	439	F-BERGEN
1915.00		DCW	0.01	0.15	0.5	30	0.06	445	F-BERGEN
1917.00		DCW	0.03	0.19	0.5	38	0.14	440	F-BERGEN
1920.00		DCW	0.01	0.13	0.5	26	0.07	445	F-BERGEN
1925.00		DCW	0.03	0.17	0.5	34	0.15	440	F-BERGEN
1927.00		DCW	0.09	0.15	0.2	75	0.38	439	F-BERGEN
1930.00		DCW	0.13	0.15	0.1	150	0.46	449	F-BERGEN

Table 3.1 SOURCE ROCK SCREENING DATA WELL 7120/2-2 (cont'd)



Depth (m)	% Lithology	Type	S1 kg/t	S2 kg/t	TOC %	HI	PI	Tmax DegC	Company
1932.00		DCW	0.03	0.15	0.3	50	0.17	439	F-BERGEN
1935.00		DCW	0.09	0.13	0.2	65	0.41	436	F-BERGEN
1937.00		DCW	0.07	0.17	0.2	85	0.29	435	F-BERGEN
1940.00		DCW	0.03	0.15	0.4	38	0.17	435	F-BERGEN
1942.00		DCW	0.01	0.17	0.5	34	0.06	442	F-BERGEN
1945.00		DCW	0.01	0.17	0.4	43	0.06	441	F-BERGEN
1947.00		DCW	0.01	0.15	0.5	30	0.06	443	F-BERGEN
1950.00		DCW	0.01	0.29	0.6	48	0.03	441	F-BERGEN
1952.00		DCW	0.01	0.19	0.5	38	0.05	441	F-BERGEN
1955.00		DCW	0.03	0.35	0.6	58	0.08	434	F-BERGEN
1957.00		DCW	0.03	0.39	0.6	65	0.07	440	F-BERGEN
1960.00		DCW	0.07	0.38	0.6	63	0.16	431	F-BERGEN
1962.00		DCW	0.03	0.36	0.7	51	0.08	443	F-BERGEN
1965.00		DCW	0.03	0.46	0.8	58	0.06	440	F-BERGEN
1967.00		DCW	0.05	0.39	0.7	56	0.11	444	F-BERGEN
1970.00		DCW	0.05	0.39	0.8	49	0.11	443	F-BERGEN
1972.00		DCW	0.05	0.61	0.8	76	0.08	442	F-BERGEN
1975.00		DCW	0.05	0.58	0.9	64	0.08	442	F-BERGEN
1977.00		DCW	0.05	0.49	0.9	54	0.09	441	F-BERGEN

Table 3.1 SOURCE ROCK SCREENING DATA WELL 7120/2-2 (cont'd)



Depth (m)	% Lithology	Type	S1 kg/t	S2 kg/t	TOC %	HI	PI	Tmax DegC	Company
1980.00		DCW	0.05	0.50	0.9	56	0.09	441	F-BERGEN
1982.00		DCW	0.06	0.50	0.9	56	0.11	440	F-BERGEN
1985.00		DCW	0.07	0.61	0.9	68	0.10	441	F-BERGEN
1987.00		DCW	0.11	0.99	1.0	99	0.10	441	F-BERGEN
1990.00		DCW	0.11	1.31	1.3	101	0.08	439	F-BERGEN
1992.00		DCW	0.09	0.95	1.1	86	0.09	439	F-BERGEN
1995.00		DCW	0.11	1.02	1.2	85	0.10	439	F-BERGEN
1997.00		DCW	0.09	0.84	1.0	84	0.10	441	F-BERGEN
2000.00		DCW	0.09	0.82	1.1	75	0.10	440	F-BERGEN
2002.00		DCW	0.10	0.92	1.3	71	0.10	442	F-BERGEN
2005.00		DCW	0.09	0.88	1.2	73	0.09	441	F-BERGEN
2007.00		DCW	0.10	0.84	1.2	70	0.11	442	F-BERGEN
2010.00		DCW	0.07	0.60	1.1	55	0.10	439	F-BERGEN
2012.00		DCW	0.09	0.69	1.1	63	0.12	440	F-BERGEN
2015.00		DCW	0.07	0.53	1.1	48	0.12	445	F-BERGEN
2017.00		DCW	0.08	0.44	0.9	49	0.15	445	F-BERGEN
2020.00		DCW	0.07	0.45	1.1	41	0.13	444	F-BERGEN
2022.00		DCW	0.07	0.55	1.0	55	0.11	444	F-BERGEN
2025.00		DCW	0.08	0.54	1.1	49	0.13	444	F-BERGEN

Table 3.1 SOURCE ROCK SCREENING DATA WELL 7120/2-2 (cont'd)

Depth (m)	% Lithology	Type	S1 kg/t	S2 kg/t	TOC %	HI	PI	Tmax DegC	Company
2027.00		DCW	0.07	0.52	1.0	52	0.12	444	F-BERGEN
2030.00		DCW	0.09	0.78	1.3	60	0.10	442	F-BERGEN
2032.00		DCW	0.07	0.65	1.1	59	0.10	441	F-BERGEN
2035.00		DCW	0.07	0.49	1.1	45	0.13	442	F-BERGEN
2037.00		DCW	0.07	0.58	1.1	53	0.11	438	F-BERGEN
2040.00		DCW	0.07	0.57	1.1	52	0.11	442	F-BERGEN
2042.00		DCW	0.08	0.54	1.1	49	0.13	441	F-BERGEN
2045.00		DCW	0.07	0.51	1.1	46	0.12	444	F-BERGEN
2047.00		DCW	0.07	0.48	1.2	40	0.13	445	F-BERGEN
2050.00		DCW	0.07	0.61	1.1	55	0.10	445	F-BERGEN
2052.00		DCW	0.07	0.59	1.1	54	0.11	442	F-BERGEN
2055.00		DCW	0.07	0.67	1.3	52	0.09	443	F-BERGEN
2057.00		DCW	0.07	0.65	1.2	54	0.10	443	F-BERGEN
2060.00		DCW	0.05	0.55	1.1	50	0.08	444	F-BERGEN
2062.00		DCW	0.07	0.50	1.2	42	0.12	447	F-BERGEN
2067.00		DCW	0.07	0.52	1.3	40	0.12	446	F-BERGEN
2070.00		DCW	0.07	0.58	1.3	45	0.11	444	F-BERGEN
2072.00		DCW	0.07	0.50	1.3	38	0.12	446	F-BERGEN
2075.00		DCW	0.12	0.66	1.4	47	0.15	444	F-BERGEN

Table 3.1 SOURCE ROCK SCREENING DATA WELL 7120/2-2 (cont'd)

Depth (m)	% Lithology	Type	S1 kg/t	S2 kg/t	TOC %	HI	PI	Tmax DegC	Company
2077.00		DCW	0.07	0.57	1.4	41	0.11	444	F-BERGEN
2080.00		DCW	0.07	0.65	1.4	46	0.10	444	F-BERGEN
2082.00		DCW	0.07	0.61	1.4	44	0.10	444	F-BERGEN
2085.00		DCW	0.07	0.69	1.4	49	0.09	444	F-BERGEN
2087.00		DCW	0.09	0.62	1.5	41	0.13	444	F-BERGEN
2090.00		DCW	0.09	0.61	1.4	44	0.13	445	F-BERGEN
2092.00		DCW	0.11	0.79	1.6	49	0.12	443	F-BERGEN
2095.00		DCW	0.23	2.05	2.8	73	0.10	443	F-BERGEN
2097.00		DCW	0.19	1.73	2.4	72	0.10	439	F-BERGEN
2100.00		DCW	0.09	0.65	1.5	43	0.12	446	F-BERGEN
2102.00		DCW	0.07	0.45	1.2	38	0.13	444	F-BERGEN
2105.00		DCW	0.07	0.43	1.1	39	0.14	450	F-BERGEN
2107.00		DCW	0.05	0.34	1.1	31	0.13	448	F-BERGEN
2110.00		DCW	0.07	0.51	1.2	43	0.12	447	F-BERGEN
2112.00		DCW	0.09	0.49	1.2	41	0.16	447	F-BERGEN
2115.00		DCW	0.07	0.55	1.0	55	0.11	447	F-BERGEN
2117.00		DCW	0.11	0.59	1.0	59	0.16	447	F-BERGEN
2120.00		DCW	0.11	0.82	0.9	91	0.12	444	F-BERGEN
2122.00		DCW	3.96	29.80	6.2	481	0.12	439	F-BERGEN

Table 3.1 SOURCE ROCK SCREENING DATA WELL 7120/2-2 (cont'd)



Depth (m)	% Lithology	Type	S1 kg/t	S2 kg/t	TOC %	HI	PI	Tmax DegC	Company
2125.00		DCW	4.26	33.14	6.7	495	0.11	440	F-BERGEN
2127.00		DCW	3.61	29.94	6.2	483	0.11	439	F-BERGEN
2130.00		DCW	0.39	3.70	1.8	206	0.10	442	F-BERGEN
2132.00		DCW	0.31	3.38	1.9	178	0.08	441	F-BERGEN
2135.00		DCW	0.09	0.65	0.8	81	0.12	442	F-BERGEN
2137.00		DCW	0.07	0.67	0.8	84	0.09	443	F-BERGEN
2140.00		DCW	0.11	0.61	0.9	68	0.15	442	F-BERGEN
2142.00		DCW	0.13	0.59	0.8	74	0.18	443	F-BERGEN
2145.00		DCW	0.35	1.33	1.2	111	0.21	442	F-BERGEN
2147.00		DCW	0.86	1.53	1.6	96	0.36	444	F-BERGEN
2150.00		DCW	0.35	0.70	0.9	78	0.33	444	F-BERGEN
2152.00		DCW	0.27	0.62	0.8	78	0.30	442	F-BERGEN
2155.00		DCW	0.09	0.15	0.3	50	0.38	451	F-BERGEN
2157.00		DCW	0.05	0.23	0.3	77	0.18	440	F-BERGEN
2160.00		DCW	0.03	0.15	0.4	38	0.17	448	F-BERGEN
2162.00		DCW	0.00	0.07	0.1	70	0.00	444	F-BERGEN
2165.00		DCW	0.09	0.81	1.0	81	0.10	443	F-BERGEN
2167.00		DCW	0.09	0.65	1.0	65	0.12	445	F-BERGEN
2170.00		DCW	0.09	0.52	0.8	65	0.15	445	F-BERGEN

Table 3.1 SOURCE ROCK SCREENING DATA WELL 7120/2-2 (cont'd)

Depth (m)	% Lithology	Type	S1 kg/t	S2 kg/t	TOC %	HI	PI	Tmax DegC	Company
2172.00		DCW	0.05	0.25	0.5	50	0.17	444	F-BERGEN
2175.00		DCW	0.03	0.27	0.5	54	0.10	445	F-BERGEN
2180.00		DCW	0.02	0.10	0.3	33	0.17	447	F-BERGEN
2182.00		DCW	0.03	0.05	0.2	25	0.38	435	F-BERGEN
2205.00		DCW	0.07	0.21	0.4	53	0.25	446	F-BERGEN
2207.00		DCW	0.03	0.01	0.2	5	0.75	436	F-BERGEN
2210.00		DCW	0.03	0.07	0.3	23	0.30	443	F-BERGEN
2212.00		DCW	0.01	0.01	0.2	5	0.50	400	F-BERGEN
2215.00		DCW	0.00	0.01	0.2	5	0.00	0	F-BERGEN
2217.00		DCW	0.00	0.03	0.2	15	0.00	0	F-BERGEN
2220.00		DCW	0.01	0.05	0.3	17	0.17	424	F-BERGEN
2222.00		DCW	0.03	0.03	0.3	10	0.50	0	F-BERGEN
2225.00		DCW	0.01	0.07	0.4	18	0.13	457	F-BERGEN
2227.00		DCW	0.01	0.01	0.3	3	0.50	0	F-BERGEN
2230.00		DCW	0.00	0.01	0.2	5	0.00	0	F-BERGEN
2232.00		DCW	0.00	0.03	0.2	15	0.00	0	F-BERGEN
2235.00		DCW	0.00	0.01	0.2	5	0.00	0	F-BERGEN
2237.00		DCW	0.01	0.01	0.2	5	0.50	0	F-BERGEN
2240.00		DCW	0.02	0.08	0.3	27	0.20	449	F-BERGEN

Table 3.1 SOURCE ROCK SCREENING DATA WELL 7120/2-2 (cont'd)

Depth (m)	% Lithology	Type	S1 kg/t	S2 kg/t	TOC %	HI	PI	Tmax DegC	Company
2242.00		DCW	0.00	0.07	0.3	23	0.00	451	F-BERGEN
2245.00		DCW	0.01	0.11	0.3	37	0.08	420	F-BERGEN
2247.00		DCW	0.03	0.11	0.4	28	0.21	443	F-BERGEN
2250.00		DCW	0.01	0.05	0.3	17	0.17	447	F-BERGEN
2252.00		DCW	0.00	0.05	0.2	25	0.00	421	F-BERGEN
2255.00		DCW	0.00	0.01	0.2	5	0.00	0	F-BERGEN
2257.00		DCW	0.01	0.03	0.2	15	0.25	0	F-BERGEN
2260.00		DCW	0.00	0.01	0.2	5	0.00	0	F-BERGEN
2262.00		DCW	0.01	0.07	0.3	23	0.13	444	F-BERGEN
2265.00		DCW	0.01	0.05	0.2	25	0.17	450	F-BERGEN
2267.00		DCW	0.00	0.01	0.2	5	0.00	472	F-BERGEN
2270.00		DCW	0.00	0.00	0.1	0	0.00	0	F-BERGEN
2272.00		DCW	0.00	0.01	0.1	10	0.00	0	F-BERGEN
2275.00		DCW	0.00	0.00	0.1	0	0.00	0	F-BERGEN
2277.00		DCW	0.01	0.01	0.1	10	0.50	0	F-BERGEN
2280.00		DCW	0.01	0.03	0.2	15	0.25	0	F-BERGEN
2282.00		DCW	0.07	0.09	0.2	45	0.44	440	F-BERGEN
2285.00		DCW	0.21	0.21	0.2	105	0.50	440	F-BERGEN
2287.00		DCW	0.11	0.07	0.2	35	0.61	440	F-BERGEN

Table 3.1 SOURCE ROCK SCREENING DATA WELL 7120/2-2 (cont'd)



Depth (m)	% Lithology	Type	S1 kg/t	S2 kg/t	TOC %	HI	PI	Tmax DegC	Company
2290.00		DCW	0.21	0.33	0.3	110	0.39	447	F-BERGEN
2295.00		DCW	0.44	0.31	0.3	103	0.59	450	F-BERGEN
2297.00		DCW	0.23	0.15	0.2	75	0.61	440	F-BERGEN
2300.00		DCW	0.03	0.03	0.2	15	0.50	447	F-BERGEN
2302.00		DCW	0.03	0.05	0.2	25	0.38	447	F-BERGEN
2305.00		DCW	0.01	0.03	0.2	15	0.25	0	F-BERGEN
2307.00		DCW	0.03	0.03	0.2	15	0.50	0	F-BERGEN
2310.00		DCW	0.03	0.05	0.2	25	0.38	0	F-BERGEN
2312.00		DCW	0.01	0.07	0.2	35	0.13	449	F-BERGEN
2315.00		DCW	0.03	0.15	0.4	38	0.17	447	F-BERGEN
2317.00		DCW	0.03	0.19	0.6	32	0.14	446	F-BERGEN
2320.00		DCW	0.03	0.25	0.6	42	0.11	447	F-BERGEN
2322.00		DCW	0.05	0.31	0.7	44	0.14	444	F-BERGEN
2325.00		DCW	0.05	0.25	0.7	36	0.17	448	F-BERGEN
2327.00		DCW	0.09	0.61	1.0	61	0.13	446	F-BERGEN
2330.00		DCW	0.09	0.49	0.9	54	0.16	445	F-BERGEN
2332.00		DCW	0.09	0.39	0.9	43	0.19	446	F-BERGEN
2335.00		DCW	0.07	0.32	0.7	46	0.18	448	F-BERGEN
2337.00		DCW	0.05	0.25	0.6	42	0.17	447	F-BERGEN

Table 3.1 SOURCE ROCK SCREENING DATA WELL 7120/2-2 (cont'd)



Depth (m)	% Lithology	Type	S1 kg/t	S2 kg/t	TOC %	HI	PI	Tmax DegC	Company
2340.00		DCW	0.99	0.51	0.6	85	0.66	439	F-BERGEN
2342.00		DCW	0.41	0.35	0.6	58	0.54	443	F-BERGEN
2345.00		DCW	0.19	0.15	0.3	50	0.56	442	F-BERGEN
2347.00		DCW	0.11	0.17	0.4	43	0.39	445	F-BERGEN
2350.00		DCW	0.07	0.19	0.4	48	0.27	452	F-BERGEN
2352.00		DCW	0.05	0.07	0.3	23	0.42	449	F-BERGEN
2355.00		DCW	0.05	0.13	0.4	33	0.28	439	F-BERGEN
2357.00		DCW	0.05	0.17	0.4	43	0.23	450	F-BERGEN
2360.00		DCW	0.05	0.11	0.3	37	0.31	448	F-BERGEN
2362.00		DCW	0.03	0.09	0.3	30	0.25	447	F-BERGEN
2365.00		DCW	0.01	0.09	0.2	45	0.10	447	F-BERGEN
2367.00		DCW	0.03	0.09	0.3	30	0.25	445	F-BERGEN
2370.00		DCW	0.01	0.07	0.3	23	0.13	458	F-BERGEN
2372.00		DCW	0.01	0.07	0.2	35	0.13	450	F-BERGEN
2375.00		DCW	0.01	0.03	0.2	15	0.25	0	F-BERGEN
2377.00		DCW	0.05	0.13	0.3	43	0.28	446	F-BERGEN
2380.00		DCW	0.03	0.07	0.2	35	0.30	450	F-BERGEN
2382.00		DCW	0.01	0.07	0.2	35	0.13	450	F-BERGEN
2385.00		DCW	0.03	0.09	0.2	45	0.25	449	F-BERGEN

Table 3.1 SOURCE ROCK SCREENING DATA WELL 7120/2-2 (cont'd)

Depth (m)	% Lithology	Type	S1 kg/t	S2 kg/t	TOC %	HI	PI	Tmax DegC	Company
2387.00		DCW	0.05	0.27	0.4	68	0.16	446	F-BERGEN
2390.00		DCW	0.01	0.09	0.2	45	0.10	447	F-BERGEN
2392.00		DCW	0.05	0.23	0.4	58	0.18	452	F-BERGEN
2395.00		DCW	0.05	0.13	0.4	33	0.28	450	F-BERGEN
2397.00		DCW	0.11	0.17	0.3	57	0.39	445	F-BERGEN
2400.00		DCW	0.07	0.11	0.3	37	0.39	446	F-BERGEN
2405.00		DCW	0.05	0.13	0.3	43	0.28	445	F-BERGEN
2407.00		DCW	0.05	0.13	0.4	33	0.28	446	F-BERGEN
2410.00		DCW	0.03	0.15	0.3	50	0.17	450	F-BERGEN
2412.00		DCW	0.05	0.15	0.3	50	0.25	451	F-BERGEN
2415.00		DCW	0.05	0.13	0.3	43	0.28	446	F-BERGEN
2417.00		DCW	0.05	0.19	0.3	63	0.21	448	F-BERGEN
2420.00		DCW	0.05	0.19	0.3	63	0.21	451	F-BERGEN
2422.00		DCW	0.03	0.13	0.4	33	0.19	450	F-BERGEN
2425.00		DCW	0.07	0.40	0.5	80	0.15	451	F-BERGEN
2427.00		DCW	0.05	0.17	0.4	43	0.23	451	F-BERGEN
2430.00		DCW	0.05	0.23	0.4	58	0.18	447	F-BERGEN
2432.00		DCW	0.03	0.11	0.3	37	0.21	448	F-BERGEN
2435.00		DCW	0.03	0.21	0.3	70	0.13	447	F-BERGEN

Table 3.1 SOURCE ROCK SCREENING DATA WELL 7120/2-2 (cont'd)

Depth (m)	% Lithology	Type	S1 kg/t	S2 kg/t	TOC %	HI	PI	Tmax DegC	Company
2437.00		DCW	0.03	0.15	0.3	50	0.17	447	F-BERGEN
2440.00		DCW	0.03	0.11	0.3	37	0.21	449	F-BERGEN
2442.00		DCW	0.03	0.09	0.2	45	0.25	451	F-BERGEN
2445.00		DCW	0.06	0.12	0.3	40	0.33	453	F-BERGEN
2447.00		DCW	0.05	0.13	0.3	43	0.28	453	F-BERGEN
2450.00		DCW	0.07	0.23	0.5	46	0.23	451	F-BERGEN
2452.00		DCW	0.09	0.33	0.5	66	0.21	448	F-BERGEN
2455.00		DCW	0.07	0.29	0.5	58	0.19	451	F-BERGEN
2457.00		DCW	0.07	0.23	0.4	58	0.23	455	F-BERGEN
2460.00		DCW	0.05	0.13	0.3	43	0.28	450	F-BERGEN
2462.00		DCW	0.05	0.19	0.3	63	0.21	451	F-BERGEN
2465.00		DCW	0.03	0.13	0.3	43	0.19	449	F-BERGEN
2467.00		DCW	0.09	0.23	0.4	58	0.28	450	F-BERGEN
2470.00		DCW	0.15	0.41	0.6	68	0.27	448	F-BERGEN
2472.00		DCW	0.27	0.81	0.8	101	0.25	445	F-BERGEN
2475.00		DCW	0.25	0.72	0.8	90	0.26	448	F-BERGEN
2477.00		DCW	0.45	1.71	1.3	132	0.21	445	F-BERGEN
2480.00		DCW	0.38	2.96	1.7	174	0.11	447	F-BERGEN
2482.00		DCW	0.47	3.04	1.7	179	0.13	444	F-BERGEN

Table 3.1 SOURCE ROCK SCREENING DATA WELL 7120/2-2 (cont'd)

Depth (m)	% Lithology	Type	S1 kg/t	S2 kg/t	TOC %	HI	PI	Tmax DegC	Company
2485.00		DCW	0.48	2.64	1.4	189	0.15	443	F-BERGEN
2487.00		DCW	0.50	3.17	1.4	226	0.14	442	F-BERGEN
2490.00		DCW	0.34	1.92	1.1	175	0.15	448	F-BERGEN
2492.00		DCW	0.44	2.24	1.1	204	0.16	438	F-BERGEN
2497.00		DCW	0.29	0.47	0.5	94	0.38	448	F-BERGEN
2500.00		DCW	0.36	0.99	0.8	124	0.27	449	F-BERGEN
2502.00		DCW	0.44	0.84	0.6	140	0.34	447	F-BERGEN
2505.00		DCW	0.56	1.39	1.0	139	0.29	449	F-BERGEN
2507.00		DCW	2.37	5.47	2.9	189	0.30	447	F-BERGEN
2510.00		DCW	3.78	10.86	4.8	226	0.26	445	F-BERGEN
2512.00		DCW	4.00	12.23	5.0	245	0.25	447	F-BERGEN
2515.00		DCW	3.55	11.86	5.1	233	0.23	450	F-BERGEN
2517.00		DCW	3.77	11.73	4.8	244	0.24	448	F-BERGEN
2520.00		DCW	3.88	12.87	5.0	257	0.23	444	F-BERGEN
2522.00		DCW	3.79	11.92	5.0	238	0.24	447	F-BERGEN
2525.00		DCW	2.96	8.76	4.2	209	0.25	449	F-BERGEN
2527.00		DCW	3.14	10.57	4.4	240	0.23	447	F-BERGEN
2530.00		DCW	3.02	11.70	4.5	260	0.21	448	F-BERGEN
2532.00		DCW	2.77	9.89	4.0	247	0.22	447	F-BERGEN

Table 3.1 SOURCE ROCK SCREENING DATA WELL 7120/2-2 (cont'd)



Depth (m)	% Lithology	Type	S1 kg/t	S2 kg/t	TOC %	HI	PI	Tmax DegC	Company
2535.00		DCW	2.42	6.88	3.4	202	0.26	448	F-BERGEN
2537.00		DCW	3.30	8.62	3.9	221	0.28	447	F-BERGEN
2540.00		DCW	4.09	10.11	4.5	225	0.29	446	F-BERGEN
2542.00		DCW	4.30	10.46	4.9	213	0.29	447	F-BERGEN
2545.00		DCW	4.22	10.36	5.3	195	0.29	450	F-BERGEN
2547.00		DCW	4.22	10.64	4.7	226	0.28	447	F-BERGEN
2550.00		DCW	4.26	11.19	4.8	233	0.28	448	F-BERGEN
2552.00		DCW	4.13	11.40	4.8	237	0.27	447	F-BERGEN
2555.00		DCW	3.91	10.38	4.8	216	0.27	450	F-BERGEN
2557.00		DCW	4.50	12.49	4.9	255	0.26	444	F-BERGEN
2560.00		DCW	4.14	11.15	4.6	242	0.27	448	F-BERGEN
2562.00		DCW	4.25	10.00	4.8	208	0.30	448	F-BERGEN
2565.00		DCW	3.76	10.07	4.8	210	0.27	451	F-BERGEN
2567.00		DCW	3.93	10.54	4.9	215	0.27	448	F-BERGEN
2570.00		DCW	4.22	10.55	5.1	207	0.29	447	F-BERGEN
2572.00		DCW	4.19	11.39	5.4	211	0.27	447	F-BERGEN
2575.00		DCW	4.00	10.54	4.8	220	0.28	450	F-BERGEN
2577.00		DCW	4.41	11.02	5.1	216	0.29	448	F-BERGEN
2580.00		DCW	4.02	10.90	5.0	218	0.27	449	F-BERGEN

Table 3.1 SOURCE ROCK SCREENING DATA WELL 7120/2-2 (cont'd)



Depth (m)	% Lithology	Type	S1 kg/t	S2 kg/t	TOC %	HI	PI	Tmax DegC	Company
2582.00		DCW	3.97	10.45	4.9	213	0.28	453	F-BERGEN
2585.00		DCW	3.69	9.29	4.8	194	0.28	449	F-BERGEN
2587.00		DCW	3.88	10.05	4.6	218	0.28	449	F-BERGEN
2590.00		DCW	3.79	9.86	4.4	224	0.28	443	F-BERGEN
2592.00		DCW	3.62	8.62	4.2	205	0.30	448	F-BERGEN
2595.00		DCW	3.38	8.70	4.2	207	0.28	451	F-BERGEN
2597.00		DCW	3.42	8.46	4.1	206	0.29	449	F-BERGEN
2600.00		DCW	3.18	7.84	3.9	201	0.29	448	F-BERGEN
2602.00		DCW	3.07	7.47	3.7	202	0.29	449	F-BERGEN
2605.00		DCW	2.85	6.48	3.7	175	0.31	443	F-BERGEN
2607.00		DCW	2.85	7.16	3.8	188	0.28	449	F-BERGEN
2610.00		DCW	2.98	7.46	3.8	196	0.29	450	F-BERGEN
2612.00		DCW	3.03	7.45	3.9	191	0.29	450	F-BERGEN
2615.00		DCW	2.58	6.78	3.5	194	0.28	452	F-BERGEN
2617.00		DCW	3.03	7.67	4.2	183	0.28	451	F-BERGEN
2620.00		DCW	3.27	8.45	4.2	201	0.28	450	F-BERGEN
2622.00		DCW	3.16	7.98	4.2	190	0.28	449	F-BERGEN
2625.00		DCW	3.18	7.29	4.2	174	0.30	450	F-BERGEN
2627.00		DCW	3.37	8.00	4.2	190	0.30	448	F-BERGEN

Table 3.1 SOURCE ROCK SCREENING DATA WELL 7120/2-2 (cont'd)



Depth (m)	% Lithology	Type	S1 kg/t	S2 kg/t	TOC %	HI	PI	Tmax DegC	Company
2630.00		DCW	2.98	6.99	3.9	179	0.30	451	F-BERGEN
2632.00		DCW	3.31	7.45	4.1	182	0.31	449	F-BERGEN
2635.00		DCW	2.73	6.81	4.0	170	0.29	452	F-BERGEN
2637.00		DCW	2.86	7.60	3.8	200	0.27	449	F-BERGEN
2640.00		DCW	2.44	5.79	3.1	187	0.30	449	F-BERGEN
2647.00		DCW	5.93	19.42	12.4	157	0.23	450	F-BERGEN
2650.00		DCW	5.74	20.56	12.2	169	0.22	450	F-BERGEN
2652.00		DCW	6.03	20.65	10.7	193	0.23	449	F-BERGEN
2655.00		DCW	5.71	20.31	12.6	161	0.22	451	F-BERGEN
2657.00		DCW	5.52	20.01	11.4	176	0.22	447	F-BERGEN
2660.00		DCW	4.84	17.49	11.2	156	0.22	450	F-BERGEN
2662.00		DCW	4.57	17.14	9.8	175	0.21	449	F-BERGEN
2665.00		DCW	3.65	12.81	7.5	171	0.22	449	F-BERGEN
2667.00		DCW	2.31	7.84	5.1	154	0.23	450	F-BERGEN
2670.00		DCW	1.25	3.66	3.1	118	0.25	453	F-BERGEN
2672.00		DCW	0.91	2.88	2.5	115	0.24	450	F-BERGEN
2675.00		DCW	0.57	1.77	1.8	98	0.24	450	F-BERGEN
2677.00		DCW	0.25	0.79	1.1	72	0.24	451	F-BERGEN
2680.00		DCW	0.18	0.54	0.9	60	0.25	452	F-BERGEN

Table 3.1 SOURCE ROCK SCREENING DATA WELL 7120/2-2 (cont'd)



Depth (m)	% Lithology	Type	S1 kg/t	S2 kg/t	TOC %	HI	PI	Tmax DegC	Company
2682.00		DCW	0.19	0.73	1.0	73	0.21	451	F-BERGEN
2685.00		DCW	0.13	0.47	0.8	59	0.22	446	F-BERGEN
2687.00		DCW	0.13	0.47	0.8	59	0.22	452	F-BERGEN
2692.00		DCW	0.11	0.41	0.7	59	0.21	458	F-BERGEN
2695.00		DCW	0.09	0.33	0.7	47	0.21	454	F-BERGEN
2697.00		DCW	0.27	0.96	1.3	74	0.22	452	F-BERGEN
2700.00		DCW	0.13	0.27	0.5	54	0.32	456	F-BERGEN
2702.00		DCW	0.07	0.21	0.4	53	0.25	459	F-BERGEN
2705.00		DCW	0.07	0.29	0.5	58	0.19	457	F-BERGEN
2707.00		DCW	0.03	0.13	0.3	43	0.19	455	F-BERGEN
2710.00		DCW	0.03	0.09	0.3	30	0.25	455	F-BERGEN
2712.00		DCW	0.03	0.11	0.3	37	0.21	456	F-BERGEN
2715.00		DCW	0.05	0.15	0.3	50	0.25	454	F-BERGEN
2717.00		DCW	0.01	0.07	0.2	35	0.13	457	F-BERGEN
2725.00		DCW	0.15	0.57	0.8	71	0.21	453	F-BERGEN
2727.00		DCW	0.13	0.52	0.7	74	0.20	456	F-BERGEN
2730.00		DCW	0.11	0.42	0.6	70	0.21	454	F-BERGEN

**TABLE 3.2**

Rock Eval/TOC on Selected Samples  
Before and After Extraction

TABLE 3.2.1

ROCK EVAL DATA before and after extraction : DELSI OSA  
WELL 7120/2-2

SAMPLE DEPTH m	SAMPLE TYPE	SAMPLE CONDITION	S 1 mg/g	S 2 mg/g	Tmax	TOC %	HI 100*S2/%TOC
2122	SHALE	UNEXTRACTED	4.00	29.80	439	6.20	481
2122	SHALE	EXTRACTED	0.01	27.83	438	5.69	489
2125	SHALE	UNEXTRACTED	4.30	33.10	440	6.70	495
2125	SHALE	EXTRACTED	0.03	33.93	438	6.64	510
2127	SHALE	UNEXTRACTED	3.60	29.90	439	6.20	483
2127	SHALE	EXTRACTED	0.03	27.92	438	5.72	488
2510	SHALE	UNEXTRACTED	3.80	10.90	445	4.80	226
2510	SHALE	EXTRACTED	0.01	8.04	447	3.92	205
2520	SHALE	UNEXTRACTED	3.90	12.90	444	5.00	257
2520	SHALE	EXTRACTED	0.01	8.80	448	4.06	216
2530	SHALE	UNEXTRACTED	3.00	11.70	448	4.50	260
2530	SHALE	EXTRACTED	0.01	7.59	448	3.61	210
2540	SHALE	UNEXTRACTED	4.10	10.10	446	4.50	225
2540	SHALE	EXTRACTED	0.03	6.99	448	3.81	183
2550	SHALE	UNEXTRACTED	4.30	11.20	448	4.80	233
2550	SHALE	EXTRACTED	0.07	7.88	449	3.86	204
2560	SHALE	UNEXTRACTED	4.10	11.10	448	4.60	242
2560	SHALE	EXTRACTED	0.03	7.63	450	3.75	203
2570	SHALE	UNEXTRACTED	4.20	10.60	447	5.10	207
2570	SHALE	EXTRACTED	0.05	6.80	449	4.27	159
2580	SHALE	UNEXTRACTED	4.00	10.90	449	5.00	218
2580	SHALE	EXTRACTED	0.05	7.10	449	4.01	177
2590	SHALE	UNEXTRACTED	3.80	9.90	443	4.40	224
2590	SHALE	EXTRACTED	0.03	6.39	450	3.58	178
2600	SHALE	UNEXTRACTED	3.20	7.80	448	3.90	201
2600	SHALE	EXTRACTED	0.01	5.55	450	3.23	171
2610	SHALE	UNEXTRACTED	3.00	7.50	450	3.80	196
2610	SHALE	EXTRACTED	0.01	5.11	452	3.20	160
2620	SHALE	UNEXTRACTED	3.30	8.40	450	4.20	201
2620	SHALE	EXTRACTED	0.01	5.46	451	3.55	153
2625	SHALE	UNEXTRACTED	3.20	7.30	450	4.20	174
2625	SHALE	EXTRACTED	0.01	5.17	451	3.52	146
2630	SHALE	UNEXTRACTED	3.00	7.00	451	3.90	179
2630	SHALE	EXTRACTED	0.01	5.22	453	3.38	154
2632	SHALE	UNEXTRACTED	3.30	7.40	449	4.10	182
2632	SHALE	EXTRACTED	0.03	4.67	454	3.21	145
2647	SHALE	UNEXTRACTED	5.90	19.40	450	12.40	157
2647	SHALE	EXTRACTED	0.17	16.06	450	10.87	147
2650	SHALE	UNEXTRACTED	5.70	20.60	450	12.20	169
2650	SHALE	EXTRACTED	0.17	17.82	450	10.87	163
2652	SHALE	UNEXTRACTED	6.00	20.60	449	10.70	193
2652	SHALE	EXTRACTED	0.19	18.14	448	11.38	159
2655	SHALE	UNEXTRACTED	5.70	20.30	451	12.60	161
2655	SHALE	EXTRACTED	0.11	17.66	449	10.46	168
2657	SHALE	UNEXTRACTED	5.50	20.00	447	11.40	176
2657	SHALE	EXTRACTED	0.13	18.16	448	11.11	163
2680	SHALE	UNEXTRACTED	0.20	0.50	452	0.90	60
2680	SHALE	EXTRACTED	0.05	0.65	455	0.99	65



TABLE 3.2.2

ROCK EVAL DATA before and after extraxtion : LECO THA  
WELL 7120/2-2

SAMPLE DEPTH m	SAMPLE TYPE	SAMPLE CONDITION	S 1 mg/g	S 2 mg/g	Tmax
2122	SHALE	UNEXTRACTED	4.06	30.95	434
2122	SHALE	EXTRACTED	0.15	26.89	434
2125	SHALE	UNEXTRACTED	4.19	36.70	433
2125	SHALE	EXTRACTED	0.19	31.17	434
2127	SHALE	UNEXTRACTED	3.28	32.18	434
2127	SHALE	EXTRACTED	0.13	24.77	434
2510	SHALE	UNEXTRACTED	3.62	10.48	441
2510	SHALE	EXTRACTED	0.10	6.96	444
2520	SHALE	UNEXTRACTED	3.50	11.49	442
2520	SHALE	EXTRACTED	0.22	8.74	443
2530	SHALE	UNEXTRACTED	2.95	10.01	441
2530	SHALE	EXTRACTED	0.09	6.66	443
2540	SHALE	UNEXTRACTED	3.79	8.70	441
2540	SHALE	EXTRACTED	0.10	6.67	444
2550	SHALE	UNEXTRACTED	3.97	10.28	442
2550	SHALE	EXTRACTED	0.12	7.72	443
2560	SHALE	UNEXTRACTED	4.26	10.63	442
2560	SHALE	EXTRACTED	0.17	6.69	445
2570	SHALE	UNEXTRACTED	3.95	9.22	443
2570	SHALE	EXTRACTED	0.22	6.90	444
2580	SHALE	UNEXTRACTED	3.53	9.31	444
2580	SHALE	EXTRACTED	0.17	7.70	444
2590	SHALE	UNEXTRACTED	3.54	8.48	443
2590	SHALE	EXTRACTED	0.09	5.98	445
2600	SHALE	UNEXTRACTED	2.69	6.80	445
2600	SHALE	EXTRACTED	0.11	4.74	445
2610	SHALE	UNEXTRACTED	2.54	6.56	444
2610	SHALE	EXTRACTED	0.08	4.73	445
2620	SHALE	UNEXTRACTED	2.94	7.81	444
2620	SHALE	EXTRACTED	0.16	5.06	447
2625	SHALE	UNEXTRACTED	2.93	7.46	445
2625	SHALE	EXTRACTED	0.14	5.32	444
2630	SHALE	UNEXTRACTED	3.26	7.08	441
2630	SHALE	EXTRACTED	0.10	5.15	444
2632	SHALE	UNEXTRACTED	2.97	7.06	443
2632	SHALE	EXTRACTED	0.21	5.13	446
2647	SHALE	UNEXTRACTED	6.38	18.62	444
2647	SHALE	EXTRACTED	0.33	14.95	445
2650	SHALE	UNEXTRACTED	6.02	18.42	444
2650	SHALE	EXTRACTED	0.25	16.01	447
2652	SHALE	UNEXTRACTED	5.55	17.19	446
2652	SHALE	EXTRACTED	0.26	15.65	445
2655	SHALE	UNEXTRACTED	5.51	17.17	445
2655	SHALE	EXTRACTED	0.17	14.52	445
2657	SHALE	UNEXTRACTED	5.07	16.47	443
2657	SHALE	EXTRACTED	0.21	15.87	446
2680	SHALE	UNEXTRACTED	0.19	0.58	446
2680	SHALE	EXTRACTED	0.09	0.69	448

These values are achieved by the Newcastle Research Group  
at the University of Newcastle upon Tyne

**TABLE 3.3**

Extraction Yields and Iatroscan  
Group Type Separation

Table 3.3 SOURCE ROCK EXTRACTION DATA WELL 7120/2-2



Depth (m)	Group/Fm.	% Lithology	Type	EOM(mg)	EOM(%)	Hydrocarbons			Non Hydrocarbons		
						SAT(%)	ARO(%)	TOTAL(%)	NSO(%)	ASPH(%)	TOTAL(%)
1898.00		SLST	COCH	3.4	0.02	2.00	12.00	14.00	63.00	23.00	86.00
2122.00			DCW	52.9	1.00	16.00	24.00	40.00	50.00	10.00	60.00
2125.00			DCW	53.3	1.07	15.00	27.00	42.00	47.00	11.00	58.00
2127.00			DCW	46.4	0.89	14.00	20.00	34.00	52.00	14.00	66.00
2163.00		SST	COCH	0.3	0.00	9.00	5.00	14.00	48.00	38.00	86.00
2181.25		SST	COCH	0.3	0.00	10.00	5.00	15.00	57.00	28.00	85.00
2184.25		SST	COCH	0.5	0.00	9.00	8.00	17.00	50.00	33.00	83.00
2192.75		SST	COCH	1.8	0.01	4.00	7.00	11.00	59.00	30.00	89.00
2393.75		SST	COCH	26.7	0.11	32.00	27.00	59.00	32.00	9.00	41.00
2501.00			OIL			45.00	40.00	85.00	12.00	3.00	15.00
2510.00			DCW	39.9	0.75	14.00	18.00	32.00	56.00	12.00	68.00
2520.00			DCW	32.4	0.77	14.00	16.00	30.00	54.00	16.00	70.00
2530.00			DCW	32.5	0.65	17.00	22.00	39.00	48.00	13.00	61.00
2540.00			DCW	40.7	0.87	19.00	20.00	39.00	47.00	14.00	61.00
2550.00			DCW	36.7	0.85	18.00	19.00	37.00	47.00	16.00	63.00
2560.00			DCW	35.9	0.85	21.00	19.00	40.00	45.00	15.00	60.00
2570.00			DCW	37.1	0.90	18.00	21.00	39.00	44.00	17.00	61.00
2580.00			DCW	36.2	0.82	19.00	16.00	35.00	43.00	22.00	65.00

Table 3.3 SOURCE ROCK EXTRACTION DATA WELL 7120/2-2 (cont'd)



Depth (m)	% Lithology	Type	EOM(mg)	EOM(%)	Hydrocarbons			Non Hydrocarbons		
					SAT(%)	ARO(%)	TOTAL(%)	NSO(%)	ASPH(%)	TOTAL(%)
2590.00		DCW	36.1	0.77	20.00	23.00	43.00	42.00	15.00	57.00
2600.00		DCW	30.6	0.68	22.00	22.00	44.00	42.00	14.00	56.00
2610.00		DCW	27.2	0.60	23.00	25.00	48.00	42.00	10.00	52.00
2620.00		DCW	29.3	0.64	24.00	23.00	47.00	41.00	12.00	53.00
2625.00		DCW	29.7	0.66	20.00	22.00	42.00	42.00	16.00	58.00
2630.00		DCW	28.7	0.62	23.00	24.00	47.00	42.00	11.00	53.00
2632.00		DCW	28.8	0.63	22.00	29.00	51.00	38.00	11.00	49.00
2647.00		DCW	35.8	1.12	9.00	28.00	37.00	51.00	12.00	63.00
2650.00		DCW	30.5	0.98	9.00	26.00	35.00	51.00	14.00	65.00
2652.00		DCW	31.3	1.01	8.00	24.00	32.00	53.00	15.00	68.00
2655.00		DCW	21.8	0.99	8.00	26.00	34.00	51.00	15.00	66.00
2657.00		DCW	28.0	0.88	8.00	23.00	31.00	53.00	16.00	69.00
2680.00		DCW	15.1	0.00	12.00	23.00	35.00	51.00	14.00	65.00
2722.50	SST	COCH	5.0	0.02	10.00	5.00	15.00	30.00	50.00	80.00

**TABLE 3.4**

Calculated Ratios from Introspect  
Group Type Separation

Table 3.4 SOURCE ROCK EXTRACTION DATA WELL 7120/2-2

Depth	% Lithology	Type	TOC (%)	EOM(%) / TOC(%)	SAT(%) / TOC(%)	SAT(%) / ARO(%)	HC / Non HC
1898.00	SLST	COCH				0.17	0.16
2122.00		DCW	6.20	0.16	2.58	0.67	0.67
2125.00		DCW	6.70	0.16	2.24	0.56	0.72
2127.00		DCW	6.20	0.14	2.26	0.70	0.52
2163.00	SST	COCH				1.80	0.16
2181.25	SST	COCH				2.00	0.18
2184.25	SST	COCH				1.13	0.20
2192.75	SST	COCH				0.57	0.12
2393.75	SST	COCH				1.19	1.44
2501.00		OIL				1.13	5.67
2510.00		DCW	4.80	0.16	2.92	0.78	0.47
2520.00		DCW	5.00	0.15	2.80	0.88	0.43
2530.00		DCW	4.50	0.14	3.78	0.77	0.64
2540.00		DCW	4.50	0.19	4.22	0.95	0.64
2550.00		DCW	4.80	0.18	3.75	0.95	0.59
2560.00		DCW	4.60	0.19	4.57	1.11	0.67
2570.00		DCW	5.10	0.18	3.53	0.86	0.64
2580.00		DCW	5.00	0.16	3.80	1.19	0.54

Table 3.4 SOURCE ROCK EXTRACTION DATA WELL 7120/2-2 (cont'd)



Depth	% Lithology	Type	TOC (%)	EOM(%) / TOC(%)	SAT(%) / TOC(%)	SAT(%) / ARO(%)	HC / Non HC
2590.00		DCW	4.40	0.17	4.55	0.87	0.75
2600.00		DCW	3.90	0.17	5.64	1.00	0.79
2610.00		DCW	3.80	0.16	6.05	0.92	0.92
2620.00		DCW	4.20	0.15	5.71	1.04	0.89
2625.00		DCW	4.20	0.16	4.76	0.91	0.72
2630.00		DCW	3.90	0.16	5.90	0.96	0.89
2632.00		DCW	4.10	0.15	5.37	0.76	1.04
2647.00		DCW	12.40	0.09	0.73	0.32	0.59
2650.00		DCW	12.20	0.08	0.74	0.35	0.54
2652.00		DCW	10.70	0.09	0.75	0.33	0.47
2655.00		DCW	12.60	0.08	0.63	0.31	0.52
2657.00		DCW	11.40	0.08	0.70	0.35	0.45
2680.00		DCW	0.90	0.00	13.33	0.52	0.54
2722.50	SST	COCH				2.00	0.19

**TABLE 3.5**

Molecular Ratios Saturated Fraction

Table 3.5 SATURATED FRACTION MOLECULAR RATIOS WELL 7120/2-2

Depth	% Lithology	Type	Pristane	Pristane	CPI-I	CPI-II	nC15+	nC20
			nC17	Phytane			Total	nC25
1898.00	SLST	COCH	1.10	3.43	1.29	1.26		
2122.00		DCW	1.96	1.11	1.05	0.95		
2125.00		DCW	1.76	1.16	1.08	1.09		
2127.00		DCW	1.74	1.13	0.96	0.88		
2192.75	SST	COCH	1.10	2.07	1.27	1.24		
2393.75	SST	COCH	0.78	1.69	1.15	1.06		
2501.00		OIL	1.21	2.09	1.13	1.05		
2510.00		DCW	1.43	2.24	1.28	1.10		
2520.00		DCW	1.38	2.23	1.27	1.11		
2530.00		DCW	1.50	2.08	1.25	1.10		
2540.00		DCW	1.40	1.90	1.27	1.09		
2550.00		DCW	1.32	1.89	1.25	1.09		
2560.00		DCW	1.24	1.92	1.23	1.09		
2570.00		DCW	1.17	1.97	1.14	1.09		
2580.00		DCW	1.12	2.02	1.17	1.09		
2590.00		DCW	1.03	1.94	1.11	1.11		
2600.00		DCW	0.98	1.90	1.13	1.08		
2610.00		DCW	0.98	1.96	1.10	1.07		

Table 3.5 SATURATED FRACTION MOLECULAR RATIOS WELL 7120/2-2 (cont'd)



Depth	% Lithology	Type	Pristane	Pristane	CPI-I	CPI-II	nC15+	nC20
			nC17	Phytane			Total	nC25
2620.00		DCW	0.97	2.05	1.17	1.08		
2625.00		DCW	0.98	2.07	1.13	1.08		
2630.00		DCW	1.02	2.11	1.11	1.07		
2632.00		DCW	1.03	2.19	1.16	1.07		
2647.00		DCW	1.06	1.69	1.15	1.06		
2650.00		DCW	0.98	1.65	1.23	1.04		
2652.00		DCW	0.97	1.80	1.20	1.05		
2655.00		DCW	0.95	1.78	1.17	1.02		
2657.00		DCW	0.98	1.96	1.15	1.03		
2680.00		DCW	0.67	2.05	1.15	1.12		

**TABLE 3.6**

Sterane Isomerisation

The values are based upon stable mass ion  
detection (MSD) in the SAT-fraction

M/Z = 217

TABLE 3.6

BIOMARKER RATIOS WELL 7120/2-2  
STERANEISOMERISATION

DEPTH M	LITHOLOGY	TYPE	C29-20S % aaa	C29 20S+R % abb
2125.00	CLYST	DCW	46	56
2393.75	SST	COCH	52	67
2501.00		OIL	51	66
2540.00	CLYST	DCW	51	72
2620.00	CLYST	DCW	52	71
2655.00	CLYST	DCW	52	63
BIOM.STD.		OIL	48	61

### **TABLE 3.7**

#### Triterpane Ratios and Isomerisation

The values are based upon stable mass ion  
detection (MSD) in the SAT-fraction

M/Z = 191

TABLE 3.7

BIOMARKER RATIOS WELL 7120/2-2  
TRITERPANEISOMERISATION

DEPTH M	LITHOLOGY	TYPE	Ts/Tm	BNOR/ BNOR+NOR	NOR/ NOR+HOP	MORET/ HOPANE	C32-22S %
2125.00	CLYST	DCW	2.07		0.27	0.13	59
2393.75	SST	COCH	1.36	0.18	0.31	0.11	59
2501.00		OIL	1.56	0.14	0.26	0.11	60
2540.00	CLYST	DCW	6.00		0.24	0.10	60
2620.00	CLYST	DCW	9.94		0.22	0.12	60
2655.00	CLYST	DCW	8.39		0.36	0.12	58
BIOM.STD.		OIL	1.29	0.36	0.29	0.11	59

**TABLE 3.8**

Visual Kerogen Composition

(Geochem Group Limited, Chester)

**TABLE 3.8**  
**KEROGEN COMPOSITION**

WELL: 7120/2-2

GEOCHEM SAMPLE NUMBER	DEPTH (m)	VISUAL ESTIMATE (%)				
		Am	Al	H	W	I
4731-001	2120-2122	33*	57*	2	4	4
4731-002	2122-2125	38*	52*	2	4	4
4731-003	2125-2127	30*	61*	1	4	4
4731-004	2507-2510	82	10	2	5	1
4731-005	2517-2520	59*	33*	2	4	2
4731-006	2527-2530	46*	32*	5	9	8
4731-007	2537-2540	75	17*	2	3	3
4731-008	2547-2550	71	15*	2	9	3
4731-009	2557-2560	88	5	1	5	1
4731-010	2567-2570	70	9	3	9	9
4731-011	2577-2580	70	9	3	9	9
4731-012	2587-2590	65	10	3	9	13
4731-013	2597-2600	62	13	1	9	15
4731-014	2607-2610	53	10	4	14	19
4731-015	2617-2620	85	8	1	4	2
4731-016	2622-2625	60	10	2	10	18
4731-017	2627-2630	58	10	3	11	18
4731-018	2630-2632	59	10	2	12	17
4731-019	2645-2647	65*	8	2	22*	3
4731-020	2647-2650	64*	10	2	20*	4
4731-021	2650-2652	66*	9	1	20*	4
4731-022	2652-2655	64*	9	2	22*	3
4731-023	2655-2657	63*	9	2	23*	3
4731-024	2677-2680	2	-	10	75	13

\* See remarks, table 1 - kerogen type and maturation

TABLE 1  
KEROGEN TYPE AND MATURATION

JOB 4731	DEPTH/ IDENTITY	ORGANIC MATTER DESCRIPTION				THERMAL MATURATION	
GEOCHEM SAMPLE NUMBER		TYPES >35%; 10-35%; <10%	REMARKS	RE- WORKED (%)	PARTICLE SIZE	PRESERV- ATION	THERMAL ALTERATION INDEX

WELL: 7120/2-2

4731-001	2120-2122m	Al*-Am*;-;W-I-H	*includes material passing to amorphous		F-M/C	G	2- to 2	3.5
4731-002	2122-2125m	Al*-Am*;-;W-I-H	*as 001		F-M/C	G	2- to 2	3.5
4731-003	2125-2127m	Al*;Am*;W-I-H	*as 001		F-C	G	2- to 2	3.5
4731-004	2507-2510m	Am;Al;W-H-I			F-M	G	2	4
4731-005	2517-2520m	Am*-Al**;-;W-H-I	*includes incompletely developed material **includes degraded, unrecognisable material		F-M	F-G	2	4
4731-006	2527-2530m	Am*-Al**;-;W-I-H	*includes incompletely developed material **includes degraded, unrecognisable material		F-M	G	2	4
4731-007	2537-2540m	Am;Al*;W-I-H	*highly degraded, unrecognisable		F-M	G	2	4
4731-008	2547-2550m	Am;Al*;W-I-H	*includes degraded, unrecognisable material		F-M/C	G	2	4
4731-009	2557-2560m	Am;-;Al-W-H-I			F-M	G	2	4
4731-010	2567-2570m	Am;-;Al-I-W-H			F-M	G	2	4

Algal, Amorphous, Herbaceous, Inertinite, Resin, Wood  
preservation = Poor, Fair, Good size = Fine, Medium, Coarse

TAI SCALE	1	1+ to 2-	2-	2	2 TO 2+	2+ TO 3-	3	3+	4	5
1-10 SCALE	1	2	3	4	5	6	7	8	9	10

TABLE 1  
KEROGEN TYPE AND MATURATION

JOB 4731 GEOCHEM SAMPLE NUMBER	DEPTH/ IDENTITY	ORGANIC MATTER DESCRIPTION				THERMAL MATURATION		
		TYPES >35%;10-35%;<10%	REMARKS	RE- WORKED (%)	PARTICLE SIZE	PRESERV- ATION	THERMAL ALTERATION INDEX	1-10 SCALE
4731-011	2577-2580m	Am;-;I-Al-W-H			F-M	G	2	4
4731-012	2587-2590m	Am;I-Al;W-H			F-M/C	G	2	4
4731-013	2597-2600m	Am;I-Al;W-H			F-M	G	2	4
4731-014	2607-2610m	Am;I-W-Al;H			F-M	G	2	4
4731-015	2617-2620m	Am;-;Al-W-I-H			F-M	G	2	4
4731-016	2622-2625m	Am;I-W-Al;H			F-M	G	2 to 2+	5
4731-017	2627-2630m	Am;I-W-Al;H			F-M	G	2 to 2+	5
4731-018	2630-2632m	Am;I-W-Al;H			F-M	G	2 to 2+	5
4731-019	2645-2647m	Am*;W**;Al-I-H	*includes incompletely developed material **includes degraded, unrecognisable material		F-M/C	G	2 to 2+	5
4731-020	2647-2650m	Am*;W**-Al**;I-H	*as 019 **		F-M/C	G	2 to 2+	5
4731-021	2650-2652m	Am*;W**;Al-I-H	*as 019 **		F-M/C	G	2 to 2+	5
4731-022	2652-2655m	Am*;W**;Al-I-H	*as 019 **		F-M	G	2 to 2+	5

Algal, Amorphous, Herbaceous, Inertinite, Resin, Wood  
preservation = Poor, Fair, Good size = Fine, Medium, Coarse

TAI SCALE 1 | 1+ to 2- | 2- | 2 | 2 TO 2+ | 2+ TO 3- | 3 | 3+ | 4 | 5  
1-10 SCALE 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10

TABLE 1  
KEROGEN TYPE AND MATURATION

JOB 4731	DEPTH/ IDENTITY	ORGANIC MATTER DESCRIPTION					THERMAL MATURATION	
GEOCHEM SAMPLE NUMBER		TYPES >35%; 10-35%; <10%	REMARKS	RE- WORKED (%)	PARTICLE SIZE	PRESErv- ATION	THERMAL ALTERATION INDEX	1-10 SCALE
4731-023	2655-2657m	Am*;W**;Al-I-H	*as 019 **		F-M/C	G	2 to 2+	5
4731-024	2677-2680m	W;I-H;Am			F-M	F-G	2 to 2+	5

Algal, Amorphous, Herbaceous, Inertinite, Resin, Wood  
preservation = Poor, Fair, Good size = Fine, Medium, Coarse

TAI SCALE	1	1+ to 2-	2-	2	2 TO 2+	2+ TO 3-	3	3+	4	5
1-10 SCALE	1	2	3	4	5	6	7	8	9	10

**TABLE 3.9**

Stable Carbon Isotope Values

(GeolabNor A/S, Norway)

TABLE 3.9

HYLAB RESULTS MANAGEMENT : ISOTOPE ANALYSIS RESULTS SELECTED FROM SCREEN

Well	Type	St.Depth	En.Depth	Oil	Extr	Sat	Aro	NSO	Asph	Pyro	Kero	Sample ID	Dup
7120/2-2	DCW	2122.00	2125.00		-29.86	-30.79	-30.20	-29.65	-29.06		-28.63	-979995401	1
7120/2-2	COCH	2184.25	2184.25		-26.95				-25.88			-979990293	1
7120/2-2	COCH	2393.75	2393.75		-29.53	-30.25	-28.72	-28.03	-25.34			-979990291	1
7120/2-2	OIL	2501.00	2501.00	-29.68	0.00	-30.01	-28.92	-28.87	0.00	0.00	0.00	-979987078	1
7120/2-2	DCW	2537.00	2540.00		-29.69	-30.68	-29.89	-28.72	-28.76		-28.40	-979994818	1
7120/2-2	DCW	2617.00	2620.00		-29.86	-30.80	-29.88	-29.43	-28.99		-25.70	-979994786	1
7120/2-2	DCW	2652.00	2655.00		-26.91	-28.52	-26.92	-26.78	-26.37		-25.96	-979994772	1

0	Depth start int	1	Depth end int.	2	Sample type	3	Lith.	4	Well	5	Geochem job #	6	MS- file	7	26Y 360-191/2	8	26rY 360-191/2	9	25Y 346-191	10	24Y 332-191/1
1	2122.00		2125.00	DC		SH		7120/2-2	F-BG	AS07061		2.53		2.61		4.80					5.44
2	2393.25		2393.75	CORE		SST		7120/2-2	F-BG	AS07061		2.02		1.87		2.34					5.86
3	2501.00		2501.00	RFT		OIL		7120/2-2	F-BG	AS07061		1.48		1.55		2.14					5.12
4	2537.00		2540.00	DC		SH		7120/2-2	F-BG	AS18061		6.17		6.10		6.65					17.94
5	2617.00		2620.00	DC		SH		7120/2-2	F-BG	AS18061		1.23		1.25		1.09					3.45
6	2652.00		2655.00	DC		SH		7120/2-2	F-BG	AS18061		1.32		1.42		1.84					7.71
0	Depth start int	11	24X 330-191	12	23Y 318-191	13	22Y 304-191	14	21Y 290-191	15	20Y 276-191	16	23a 316-217/1	17	23k 316-217/2	18	22a 302-217/1	19	22k 302-217/2		
1	2122.00		2.13		10.49		0.66		4.08		2.52		3.61		1.45		9.91			7.36	
2	2393.25		5.91		8.47		0.62		5.23		4.69		4.56		0.79		12.18			6.67	
3	2501.00		6.54		8.70		0.64		5.71		4.81		3.21		0.58		10.22			4.35	
4	2537.00		12.63		22.71		1.70		13.74		11.59		14.01		2.03		38.42			17.42	
5	2617.00		4.52		4.75		0.54		4.12		5.07		7.33		0.77		20.22			6.59	
6	2652.00		4.47		6.98		0.82		5.67		5.61		5.54		0.85		23.23			9.36	
0	Depth start int	20	21a 288-217/1	21	21k 288-217/2	22	35A 482-191/1	23	35B 482-191/2	24	34A 468-191/1	25	34B 468-191/2	26	33A 454-191/1	27	33B 454-191/2				
1	2122.00		15.94		19.77		6.67		3.92		11.49		7.33		20.78		13.95				
2	2393.25		11.93		11.79		2.65		1.35		5.32		3.10		9.42		6.82				
3	2501.00		13.40		8.85		3.39		1.90		6.66		3.97		10.32		7.20				
4	2537.00		32.82		33.67		10.85		5.51		21.96		13.22		33.39		24.37				
5	2617.00		16.86		15.79		2.30		0.98		4.91		3.01		8.36		5.64				
6	2652.00		12.99		17.35		0.45		0.34		1.10		0.53		1.35		0.97				
0	Depth start int	28	32A 440-191/1	29	32B 440-191/2	30	31A 426-191/1	31	31B 426-191/2	32	31C 426-191/3	33	31D 426-191/4	34	30F 412-191	35	30O 412-191	36	30A 412-191		
1	2122.00		29.04		18.92		48.24		32.28		1.65		4.15		5.69		0.01		142.06		
2	2393.25		19.98		12.82		35.93		22.85		2.07		2.24		10.23		0.01		108.99		
3	2501.00		22.47		15.15		38.69		24.28		2.42		2.68		11.86		0.01		120.80		
4	2537.00		60.73		44.28		77.69		54.00		7.44		4.81		60.91		0.01		233.50		
5	2617.00		20.49		13.89		24.08		15.64		2.53		1.36		39.53		0.01		68.41		
6	2652.00		3.62		2.35		4.62		3.08		0.58		0.38		13.95		0.01		18.12		
0	Depth start int	37	30H 412-191	38	30C 412-191	39	30G 412-191	40	30E 412-191	41	29N 398-191	42	29A 398-191	43	29F 398-191	44	29C 398-191	45	28A 384-191	46	28N 384-191
1	2122.00		4.54		8.97		0.96		0.01		1.03		56.10		20.50		3.83		0.81		0.01
2	2393.25		3.51		4.95		1.49		0.01		1.49		49.56		22.28		3.31		8.54		0.01
3	2501.00		5.28		6.05		1.23		0.01		1.53		47.84		26.64		1.86		2.23		0.01
4	2537.00		19.48		11.94		8.11		0.01		5.10		54.78		82.01		8.61		0.01		0.01
5	2617.00		4.90		5.70		1.09		0.01		2.28		13.73		41.39		4.19		0.01		0.01
6	2652.00		1.06		0.80		0.37		0.01		0.49		3.93		12.77		0.59		0.01		0.01

0	Depth	47 27F	48 27A	49 27E	50 30a	51 30b	52 30c	53 30d	54 30e	55 30f	56 30g
	start int	370-191	370-191	370-191	414-217	414-217	414-217	414-217	414-217	414-217	414-217
1	2122.00	11.02	6.42	0.01	9.49	7.30	3.75	2.51	8.32	9.07	13.02
2	2393.25	22.69	15.15	0.01	5.12	3.90	1.69	0.94	1.76	3.10	3.92
3	2501.00	26.02	11.92	0.01	6.26	4.84	2.03	1.07	1.32	2.39	2.98
4	2537.00	102.38	13.57	0.01	20.09	11.32	6.72	3.51	3.34	6.89	8.09
5	2617.00	65.51	3.67	0.01	9.21	7.38	2.61	1.08	1.17	3.07	3.35
6	2652.00	24.56	1.35	0.01	2.05	1.51	0.66	0.36	0.47	0.53	0.88

0	Depth	57 30h	58 29a	59 29b	60 29c	61 29d	62 29e	63 29f	64 29g	65 29h	66 28a
	start int	414-217	400-217	400-217	400-217	400-217	400-217	400-217	400-217	400-217	386-217
1	2122.00	12.32	56.25	42.53	19.28	15.73	38.12	52.76	50.62	45.15	41.92
2	2393.25	2.07	27.36	18.68	6.77	4.88	5.57	12.27	11.30	5.76	14.70
3	2501.00	1.37	27.71	18.47	6.86	4.18	4.60	9.72	8.90	4.19	15.98
4	2537.00	3.90	61.69	41.32	17.49	8.18	8.23	19.61	17.96	7.42	40.77
5	2617.00	1.34	44.33	30.18	12.01	5.38	4.41	12.99	11.17	4.09	25.45
6	2652.00	0.33	19.24	12.45	4.80	1.62	1.99	4.73	3.87	2.36	8.24

0	Depth	67 28aa	68 28b	69 28bb	70 28c	71 28d	72 28e	73 28f	74 28g	75 28h	76 27a
	start int	386-217	386-217	386-217	386-217	386-217	386-217	386-217	386-217	386-217	372-217
1	2122.00	44.57	26.69	31.14	12.98	15.08	26.64	62.46	50.98	41.81	115.84
2	2393.25	14.88	8.62	10.14	3.64	3.92	2.56	10.07	7.95	3.46	40.50
3	2501.00	16.81	9.55	11.73	4.21	4.86	2.64	8.66	6.91	2.81	44.78
4	2537.00	41.90	25.33	28.52	11.40	11.54	4.91	18.39	15.21	5.47	91.95
5	2617.00	26.55	15.29	18.10	6.86	6.82	1.99	8.64	7.21	2.09	54.86
6	2652.00	9.03	5.21	6.09	2.39	2.31	1.08	3.23	2.73	1.14	27.97

0	Depth	77 27b	78 27c	79 27d	80 27e	81 27f	82 27g	83 27h	84	85 Status	86 D-MIX DATE
	start int	372-217	372-217	372-217	372-217	372-217	372-217	372-217			
1	2122.00	78.03	20.24	34.21	54.77	59.18	52.70	61.48		OK	
2	2393.25	25.41	5.23	8.81	6.20	10.75	9.25	5.57		OK	
3	2501.00	29.14	6.42	10.68	5.87	9.59	7.89	5.30		OK	
4	2537.00	60.96	15.38	22.71	9.85	19.34	16.68	9.72		OK	
5	2617.00	35.10	7.88	12.10	4.36	8.78	7.80	3.88		OK	
6	2652.00	17.79	3.95	6.33	2.59	4.04	3.74	2.81		OK	

0	Depth	87 D4-C21	88 D2-C29	89 D4-C27	90	91 %-TRI CYCL.	92 %-L.M. STERAN.	93 %-PENTA CYCLIC	94 %-C27-30 STERANES	95 GROUP SUM	96 %-C29-20S
	start int	292-221	400-193	376-221							
1	2122.00					2	3	26	69	1770.68	46
2	2393.25					5	6	49	40	768.46	49
3	2501.00					5	5	51	39	790.48	52
4	2537.00					5	7	51	37	1894.58	53
5	2617.00					3	8	41	48	854.80	52
6	2652.00					10	19	26	45	371.09	46

<b>ADDRESS</b> KJELLER Box 40, N-2007 Kjeller, Norway <b>TELEPHONE</b> +47 6 806000 <b>TELEX</b> 74 573 energ n <b>TELEFAX</b> +47 6 815553		<b>HALDEN</b> N-1751 Halden, Norway +47 9 183100 76 335 energ n		<b>AVAILABILITY</b> Private Confidential	
<b>REPORT TYPE</b>	<b>REPORT NO.</b> IFE/KR/F-92/095		<b>DATE</b> 1992-06-15		
	<b>REPORT TITLE</b> REPORT ON STABLE ISOTOPES ( $\delta^{13}\text{C}$ , $\delta\text{D}$ ) ON A GAS SAMPLE FROM WELL 7120/2-2		<b>DATE OF LAST REV.</b>		
			<b>REV. NO.</b>		
	<b>CLIENT</b> Norsk Hydro a.s.		<b>NUMBER OF PAGES</b> 7		
<b>CLIENT REF.</b> Bestilling nr. F 11371 Best. no. 32784		<b>NUMBER OF ISSUES</b> 15			
<b>SUMMARY</b> The gas components $\text{C}_1 - \text{C}_5$ and $\text{CO}_2$ have been separated from a gas sample from well 7120/2-2; RFT 2501 md/RKB. The $\delta^{13}\text{C}$ values of methane, ethane, propane, the butanes and $\text{CO}_2$ have been determined. The hydrogen isotopic composition of methane has also been determined.			<b>DISTRIBUTION</b> Norsk Hydro a.s. (10) Andresen, B. Råheim, A. Throndsen, T. File (2)		
BA-92-1557-1 23 JUL 1992		AVD. KO... MARST... Journal nr. 92 19143-1 Dato: 20 JUL 1992			
<b>KEYWORDS</b> <del>SECRET</del>					
<b>PREPARED BY</b> Bjørn Andresen		<b>DATE</b> 1992-06-15		<b>SIGNATURE</b> Bjørn Andresen	
<b>REVIEWED BY</b> Torbjørn Throndsen		<b>DATE</b> 1992-06-15			
<b>APPROVED BY</b> Arne Råheim		<b>DATE</b> 1992-06-15		<b>SIGNATURE</b> Arne Råheim	

## 1 INTRODUCTION

One gas sample from well 7120/2-2; RFT, 2501 md/RKB, was received and analysed May/June 1992.

On the sample  $C_1 - C_5$  and  $CO_2$  are quantified. The  $\delta^{13}C$  value is measured on methane, ethane, propane, the butanes and  $CO_2$ . In addition the  $\delta D$  value is measured on methane.

## 2 ANALYTICAL PROCEDURE

The natural gas sample has been quantified and separated into the different gas components by a Carlo Erba 4200 gas chromatograph.

The hydrocarbon gas components were oxidised in separate CuO-ovens in order to prevent cross contamination. The combustion products  $CO_2$  and  $H_2O$  were frozen into collection vessels and separated.

The combustion water was reduced with zinc metal in a sealed quartz tube to prepare hydrogen for isotopic analysis. The isotopic measurements were performed on a Finnigan MAT 251 and Finnigan Delta mass spectrometer.

IFEs value on NBS 22 is  $29.77 \pm .06\text{‰}$  PDB.

## 3 RESULTS

The volume composition of the gas sample is given in Table 1. The results have been normalised to 100%. The stable isotope results are given in Table 2.

The uncertainty on the  $\delta^{13}C$  value is estimated to be  $\pm 0.3\text{‰}$  PDB and includes all the different analytical steps. The uncertainty in the  $\delta D$  value is likewise estimated to be  $\pm 5\text{‰}$ .

**Table 1:** Volume composition of a gas sample from well 7120/2-2.

Sample	IFE no	C <sub>1</sub> %	C <sub>2</sub> %	C <sub>3</sub> %	iC <sub>4</sub> %	nC <sub>4</sub> %	iC <sub>5</sub> %	nC <sub>5</sub> %	CO <sub>2</sub> %	ΣC <sub>1</sub> -C <sub>5</sub>	Wet-ness	iC <sub>4</sub> / nC <sub>4</sub> /
RFT; 2501 md/RKB	10608	85.4	6.4	5.0	0.38	1.35	0.19	0.26	1.1	98.9	0.14	0.28

**Table 2:** Isotopic composition of a gas sample from well 7120/2-2.

Sample	IFE no	C <sub>1</sub> δ <sup>13</sup> C ‰ PDB	C <sub>1</sub> δ D ‰ SMOW	C <sub>2</sub> δ <sup>13</sup> C ‰ PDB	C <sub>3</sub> δ <sup>13</sup> C ‰ PDB	iC <sub>4</sub> δ <sup>13</sup> C ‰ PDB	nC <sub>4</sub> δ <sup>13</sup> C ‰ PDB	CO <sub>2</sub> δ <sup>13</sup> C ‰ PDB	CO <sub>2</sub> δ <sup>18</sup> O ‰ PDB
RFT; 2501 md/RKB	10608	-47.6	-196	-39.4	-35.0	30.9	-32.1	-13.7	-16.5



U-663

Document frontpage  
Exploration and Production

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Doc. id
R-52989
Copy no.

Distribution	Title
Hydro, Ha (12) F-Bg, File	A GEOCHEMICAL EVALUATION OF ORGANIC FACIES, AND OIL STAIN IN THE SECTION 2494 TO 2680 OF THE WELL 7120/2-2
RA92-153-1	
Summary/Conclusion//Recommendation	

Keywords  
Petroleum Geochemistry, Source Rock Evaluation, Organic Facies, maturity, Hekkingen Formation

Pages-appendix 11	Amendment no.	Revision no.	Revision date
Quadrant/Block-well 7120	Project no. 31774	Licens no. 109	Date 28.11.91
Department	PETROLEUM GEOCHEMISTRY/BASIN MODELLING		
Section	GEOSECTION		
Authors	BRIAN COOPER <i>BS6</i> TROND HANESAND		
Controlled	<i>17/12-91 Brian Dahl</i>		
Accepted	<i>11/12-91 Gunnar Augustsson, Sigill Nepsøther.</i>		
Approved			

Postal Address: P.O.Box 4313 5028 Nygårdstangen Norway	Office Address: Lars Hillesgt. 30 5008 Bergen Norway	Phone: National: (05) 99 50 00 Internat.: +47 5 99 50 00	Telefax: National: (05) 99 61 96 Internat.: +47 5 99 61 96	Telex: 40920 hydro n
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Table 4.1 7120/2-2 Pyrolysis data

0 DEPTH	1 %TOC	2 HI	3 Tmax	4 G	5 S	6 T	7 G(1)	8 S(2)	9 T(3)	
1	2505.0	3.1	144	450	27.5	0.49	1.06	191	34	74
2	2512.0	4.1	202	447	16.2	0.52	0.72	80	26	36
3	2520.0	4.1	215	448	35.4	0.42	1.27	165	20	59
4	2540.0	3.8	184	448	21.7	1.46	1.93	118	79	105
5	2555.0	3.2	162	447	15.4	0.49	0.64	95	30	40
6	2580.0	4.0	178	449	24.3	0.72	1.02	137	40	57
7	2590.0	3.6	178	450	21.8	1.03	1.13	122	58	63
8	2605.0	3.7	128	451	10.3	0.16	0.25	80	12	20
9	2615.0	3.7	115	452	22.9	0.62	0.76	199	54	66
10	2625.0	3.5	148	451	17.9	1.18	1.12	121	80	76
11	2636.3	6.5	218	449	17.7	1.20	1.41	81	55	65
12	2636.6	5.8	279	448	23.4	1.18	1.35	84	42	48
13	2636.9	10.7	235	446	39.2	1.30	1.10	167	55	47
14	2637.1	1.1	76	453	12.3	0.31	0.54	162	41	71
15	2637.2	1.5	92	455	13.3	0.29	0.18	145	32	20
16	2637.4	1.1	86	454	10.2	0.14	0.20	119	16	23
17	2637.5	9.5	156	448	9.4	0.19	0.15	60	12	10
18	2637.6	9.5	177	447	33.2	1.73	1.30	188	98	73
19	2637.7	9.4	181	450	28.1	1.21	0.82	155	67	45
20	2637.9	10.7	143	448	14.6	0.34	0.39	102	24	27
21	2638.1	10.6	55	448	38.7	0.80	0.85			
22	2638.4	9.2	140	448	43.9	0.99	0.93	314	71	66
23	2638.6	9.5	122	448	38.1	0.97	0.96	312	80	79
24	2638.9	10.6	133	448	31.2	0.85	0.81	235	64	61
25	2639.1	12.6	118	445	44.4	1.60	1.30	376	136	110
26	2639.4	10.4	137	449	32.7	0.82	0.78	239	60	57
27	2639.6	8.9	134	451	35.5	0.78	0.86	265	58	64
28	2639.9	12.1	145	449	26.0	0.70	0.74	179	48	51
29	2640.1	10.5	180	449	26.3	0.83	0.71	146	46	39
30	2640.4	10.0	132	449						
31	2640.6	8.5	119	450	24.4	0.49	0.61	205	41	51
32	2640.9	9.7	139	450	37.1	0.72	0.93	267	52	67
33	2641.1	11.7	161	450						
34	2641.4	11.7	50	449						
35	2641.6	10.2	150	450	27.5	0.69	0.68	183	46	45
36	2641.9	11.2	157	450	38.2	0.57	0.63	243	36	40
37	2642.1	11.7	59	450						
38	2642.4	10.4	141	451	53.6	0.56	0.74	380	40	52
39	2642.9	10.0	145	451	28.9	1.00	0.97	199	69	67
40	2643.1	9.7	154	451	45.1	0.89	0.89	293	58	58
41	2643.4	10.3	140	450	29.6	1.12	1.11	211	80	79
42	2643.6	9.7	43	451						
43	2643.9	10.3	147	452	22.2	0.88	0.83	151	60	56
44	2644.1	10.5	57	452	40.4	1.00	0.94			
45	2644.4	11.8	56	451	31.4	0.74	0.82			
46	2644.6	10.0	53	447	39.9	0.56	0.82			
47	2644.9	13.5	185	450	20.5	0.87	0.83	111	47	45
48	2645.1	12.9	193	448	27.3	0.86	0.78	141	45	40
49	2645.4	14.2	190	443						
50	2645.6	5.8	126	455	15.1	0.32	0.33	120	25	26
51	2648.0	18.1	197	448	20.8	1.14	0.87	106	58	44
52	2654.0	15.3	96	447	13.9	0.62	0.62	145	65	65

G(1) = 10\*G%HI, S(2) = 100\*S%HI, T(3) =100\*T%HI

Table 4.2 Well 7120/2-2 present kerogen abundances

0 DEPTH	1 I	2 A	3 B	4 C	5 D
1 2505.0	52.00	0.00	0.00	0.00	48.00
2 2512.0	30.28	4.78	0.00	0.00	64.94
3 2520.0	28.33	0.00	0.00	0.00	71.67
4 2540.0	37.68	1.98	0.00	0.00	60.34
5 2555.0	42.93	6.14	0.00	0.00	50.93
6 2580.0	37.16	7.02	0.00	0.57	55.25
7 2590.0	33.29	14.75	0.00	0.00	51.96
8 2605.0	58.23	2.61	2.61	2.76	38.17
9 2615.0	57.85	7.64	0.00	5.03	29.49
10 2625.0	40.78	19.78	0.00	0.00	39.45
11 2636.3	23.56	7.54	0.00	0.00	68.90
12 2636.6	0.63	12.73	0.00	0.00	86.63
13 2636.9	7.37	20.93	11.48	8.89	51.32
14 2637.1	74.57	0.19	0.00	0.73	24.51
15 2637.2	68.39	0.00	8.92	6.28	18.44
16 2637.4	71.63	0.00	0.99	4.28	23.72
17 2637.5	47.93	0.00	7.42	2.40	44.65
18 2637.6	15.14	39.59	18.20	0.00	27.08
19 2637.7	23.34	17.29	23.04	2.91	33.42
20 2637.9	50.31	1.73	3.47	3.41	41.08
21 2638.1	90.00	1.00	0.00	3.00	6.00
22 2638.4	45.08	16.50	0.00	22.01	16.41
23 2638.6	50.87	16.92	0.00	16.08	16.13
24 2638.9	47.35	16.63	0.00	11.25	25.77
25 2639.1	41.23	48.77	1.00	14.23	0.00
26 2639.4	46.84	14.98	0.00	13.36	24.82
27 2639.6	50.64	9.39	0.00	14.97	25.00
28 2639.9	45.79	11.76	0.00	7.29	35.16
29 2640.1	31.63	10.52	9.33	6.10	42.42
30 2640.4					
31 2640.6	58.34	3.98	0.00	9.42	28.26
32 2640.9	51.62	4.10	0.00	15.27	29.01
33 2641.1					
34 2641.4					
35 2641.6	44.14	10.85	1.32	9.70	34.00
36 2641.9	45.95	3.43	0.00	21.12	29.50
37 2642.1					
38 2642.4	53.00	0.00	0.00	29.73	17.27
39 2642.9	40.34	22.65	0.00	4.57	32.43
40 2643.1	43.01	11.31	0.00	23.28	22.40
41 2643.4	40.14	26.38	0.00	2.10	31.37
42 2643.6					
43 2643.9	40.27	20.41	1.60	0.00	37.73
44 2644.1	84.80	11.24	0.00	13.38	0.00
45 2644.4	77.89	8.96	0.00	14.18	0.00
46 2644.6	83.14	0.00	0.00	17.67	0.00
47 2644.9	29.79	13.80	4.94	0.00	51.47
48 2645.1	27.16	12.05	7.44	5.56	47.79
49 2645.4					
50 2645.6	56.19	0.64	4.48	5.22	33.47
51 2648.0	22.40	12.35	17.27	0.00	47.98
52 2654.0	61.76	12.48	0.00	0.00	25.76