

RFT Sampling and Pretest Pressures:

Two segregated samples were taken at 2931 m and 3185 m. Both samples indicate fresh formation water with a salinity of approximately 22000 ppm CL-. Surface pressure was 0 (PSIG) in both samples.

Discussion of the water gradient:

The CL- content of the water of the sample taken at 3185 m was measured to approximately 22000 ppm. This indicate a fresh reservoir water of low density. The density of the reservoir water, corrected for pressure and temperature, is estimated to a value of 0.997 g/cc.

PRETEST RECORDED DATA  
STRAIN GAUGE

WELL: 6608/10-1

DATE: 22.05.89

RUN NO.: 3A

TEST	DEPTH	CORR.HYDR.PR. BEFORE TEST	DRAW DOWN	TEMP.	COR.FORMATION PRESSURE	COR.HYDR.PR. AFTER TEST	REMARKS
No.	m RKB	kPa, g/cc	kPa	°C	kPa, g/cc	kPa, g/cc	
1	2662.0	39564.1 , 1.515	-	80.7	-	39563.7 , 1.515	Seal failure
2	2661.8	39562.9 , 1.515	-	-	-	39561.9 , 1.515	Seal failure
3	2662.5	39577.3 , 1.515	-	81.1	-	-	Dry test
4	2733.0	40501.2 , 1.511	-	82.9	-	40578.5 , 1.514	Seal failure
5	2931.0	43497.4 , 1.513	7035.4	89.3	34379.5 , 1.196	43493.3 , 1.513	Fair permeab.
6	2932.0	43502.7 , 1.512	90.6	90.9	34488.9 , 1.199	43496.6 , 1.512	Low permeab.
7	3067.0	45468.1 , 1.511	-	95.3	-	45462.2 , 1.511	Dry test
8	3077.5	45628.6 , 1.511	-	95.9	-	45603.8 , 1.511	Dry test
9	3156.0	46807.4 , 1.512	64.4	99.4	32811.6 , 1.060	46751.4 , 1.510	V.Low permeab.

Table number 4.1

## PRETEST RECORDED DATA

### HP GAUGE

WELL: 6608/10-1

DATE: 22.05.89

RUN NO.: 3A

TEST	DEPTH	CORR.HYDR.PR. BEFORE TEST	DRAW DOWN	TEMP.	COR.FORMATION PRESSURE	COR.HYDR.PR. AFTER TEST	REMARKS
No.	m RKB	kPa, g/cc	kPa	°C	kPa, g/cc	kPa, g/cc	
1	2662.0	39557.0 , 1.516	-	80.7	-	39595.7 , 1.515	Seal failure
2	2661.8	39578.1 , 1.516	-	-	-	39576.8 , 1.516	Seal failure
3	2662.5	39587.7 , 1.516	-	81.1	-	-	Dry test
4	2733.0	40548.3 , 1.512	-	82.9	-	40607.5 , 1.515	Seal failure
5	2931.0	43506.3 , 1.513	7249.3	89.3	34397.1 , 1.198	43518.3 , 1.514	Fair permeab.
6	2932.0	43520.5 , 1.513	89.3	90.9	34423.0 , 1.197	43518.4 , 1.513	Low permeab.
7	3067.0	45493.1 , 1.512	-	95.3	-	45493.1 , 1.512	Dry test
8	3077.5	45654.4 , 1.512	-	95.9	-	45665.8 , 1.513	Dry test
9	3156.0	46792.2 , 1.511	68.6	99.4	32831.5 , 1.060	46785.0 , 1.511	V.Low permeab.

Table number 4.2

## PRETEST RECORDED DATA

### STRAIN GAUGE

WELL: 6608/10-1

DATE: 25.05.89

RUN NO.: 3C

TEST	DEPTH	CORR.HYDR.PR. BEFORE TEST	DRAW DOWN	TEMP.	COR.FORMATION PRESSURE	COR.HYDR.PR. AFTER TEST	REMARKS
No.	m RKB	kPa, g/cc	kPa	°C	kPa, g/cc	kPa, g/cc	
1	3181.0	47289.2 , 1.515	378.5	90.3	32612.6 , 1.045	47285.5 , 1.515	Low permeab.
2	3185.0	47354.9 , 1.516	14874.3	93.2	32607.7 , 1.044	47355.7 , 1.516	God permeab.
3	3195.0	47522.0 , 1.516	20672.6	95.0	32745.0 , 1.045	47499.5 , 1.515	God permeab.
4	3202.0	47627.7 , 1.516	132.3	96.1	32833.8 , 1.045	47604.8 , 1.516	Low permeab.
5	3208.6	47719.2 , 1.516	114.0	97.3	33079.8 , 1.051	47693.6 , 1.515	V.Low permeab.
6	3211.0	47742.8 , 1.516	114.6	98.4	33081.4 , 1.050	47716.6 , 1.515	V.Low permeab.
7	3205.0	47635.6 , 1.515	12087.2	98.9	32860.2 , 1.045	47615.0 , 1.514	Fair permeab.
8	3197.0	47510.8 , 1.515	8824.2	99.4	32757.2 , 1.044	47473.6 , 1.514	Fair permeab.
9	3192.0	47371.0 , 1.513	120.1	99.6	32759.0 , 1.046	47399.7 , 1.514	V.Low permeab.
10	3183.3	47280.3 , 1.514	119.9	99.9	32613.7 , 1.044	47283.1 , 1.514	V.Low permeab.

Table number 4.3

## PRETEST RECORDED DATA

### HP GAUGE

WELL: 6608/10-1

DATE: 25.05.89

RUN NO.: 3C

TEST	DEPTH	CORR.HYDR.PR. BEFORE TEST	DRAW DOWN	TEMP.	COR.FORMATION PRESSURE	COR.HYDR.PR. AFTER TEST	REMARKS
No.	m RKB	kPa, g/cc	kPa	°C	kPa, g/cc	kPa, g/cc	
1	3181.0	47322.9 , 1.516	382.9	90.3	32615.0 , 1.045	47302.6 , 1.516	Low permeab.
2	3185.0	47378.1 , 1.516	15606.9	93.2	32612.2 , 1.044	47381.0 , 1.516	God permeab.
3	3195.0	47561.2 , 1.517	20718.2	95.0	32743.0 , 1.045	47523.6 , 1.516	God permeab.
4	3202.0	47657.8 , 1.517	115.3	96.1	32838.5 , 1.045	47636.9 , 1.517	Low permeab.
5	3208.6	47750.7 , 1.517	81.5	97.3	33089.9 , 1.051	47725.0 , 1.516	V.Low permeab.
6	3211.0	47781.9 , 1.517	63.8	98.4	33097.0 , 1.051	47756.2 , 1.516	V.Low permeab.
7	3205.0	47665.9 , 1.516	12328.4	98.9	32865.9 , 1.045	47647.0 , 1.515	Fair permeab.
8	3197.0	47536.0 , 1.517	9038.6	99.4	32771.3 , 1.046	47507.6 , 1.516	Fair permeab.
9	3192.0	47444.6 , 1.515	56.1	99.6	32766.6 , 1.046	47429.8 , 1.515	V.Low permeab.
10	3183.3	47298.1 , 1.515	84.1	99.9	32626.1 , 1.045	47310.8 , 1.515	V.Low permeab.

Table number 4.4

DAILY DRILLING MUD ADDITIONS																
Well no:	6608/10-1		Spud date:	15-apr-89			Rig name:	Ross Rig		Engineers:	Bruland Hillman Skjeggestad Rasmussen					
Operator:	Statoll		Days to TD:				Warehouse:	Sandnessjøen								
Contractor:	Ross Drilling Co		Total depth:	3437 [m]			Total Cost:	kri 590 060								
	Product:	Barite	Bentonite	NaOH	Soda Ash	Gypsum	CMC HV	Propol SL	Propol Reg	Lime	Newdrill	Prothln	Problo II	Desco	Milgard	
	Unit:	ton	ton	25 kg	25 kg	40 kg	25 kg	25 kg	25 kg	40 kg	25 kg	25 kg	25 liter	25 lbs	25 kg	
	Unit Price:	700,00	2 000,00	85,00	120,00	55,00	284,75	506,00	506,00	70,00	825,00	90,00	485,00	200,00	425,00	
Date:	Section:	Depth:														
14-apr-89	38"			1		2										
15-apr-89	38"	420		10	1	3										
16-apr-89	38"	462		5	1	1										
	<b>36" SECTION SUM</b>		0	16	2	6	0	0	0	0	0	0	0	0	0	
17-apr-89	28"	462	63	13	3	4	11		19				1			
18-apr-89	28"	820	9	6	1	1			1							
19-apr-89	28"	730	12	7	3	3										
20-apr-89	28"	820	35	7	1	1										
	<b>28" SECTION SUM</b>		119	33	8	9	11	0	0	20	0	0	0	1	0	
21-apr-89	17 1/2"	820			2		60		43					5		
22-apr-89	17 1/2"	1003					20		61					2		
24-apr-88	17 1/2"	664	40											2		
23-apr-89	17 1/2"	1371					18		22	30				2		
24-apr-89	17 1/2"	1518	45				20		33	27				2		
25-apr-89	17 1/2"	1549	41				9		6	4						
26-apr-89	17 1/2"	1549	10							1					6	
	<b>17 1/2" SECTION SUM</b>		136	0	2	0	127	0	142	105	0	0	0	13	6	
27-apr-89	12 1/4"	1549	30													
28-apr-89	12 1/4"	1754	234				4		22	16				1		
29-apr-89	12 1/4"	2053	110				52		26	6				1		
30-apr-89	12 1/4"	2300	151				34		31						25	
1-mal-89	12 1/4"	2474	162				60		42		6		24	1	14	
2-mal-89	12 1/4"	2502	85				8		8		3		12	1		
3-mal-89	12 1/4"	2502	25				4						12		6	
4-mal-89	12 1/4"	2502	15				3						15			
	<b>12 1/4" SECTION SUM</b>		812	0	7	0	158	0	129	22	9	0	63	4	39	
5-mal-89	8 1/2"	2502	115	14	14	3			12	5			112			
6-mal-89	8 1/2"	2540	43		20				8				56			
7-mal-89	8 1/2"	2584	22	4	11	1			18				39			
8-mal-89	8 1/2"	2664	14		1				2				19			
9-mal-89	8 1/2"	2716	5		7								15			
10-mal-89	8 1/2"	2750			7								15			
11-mal-89	8 1/2"	2852	10		7								15			
12-mal-89	8 1/2"	2885			5											
13-mal-89	8 1/2"	2925	15		8								30			
14-mal-89	8 1/2"	3007			10				4				20			
15-mal-89	8 1/2"	3063			8								32			
16-mal-89	8 1/2"	3090	15		3											
17-mal-89	8 1/2"	3146	5		6				2				20			
18-mal-89	8 1/2"	3184	19		9								25			
19-mal-89	8 1/2"	3276			5				2				15			
20-mal-89	8 1/2"	3409			9								12			
21-mal-89	8 1/2"	3437			5					3			15			
22-mal-89	8 1/2"	3437														

DAILY DRILLING MUD ADDITIONS															
Well no:	6608/10-1	Spud date:	15-apr-89	Rig name:	Hoss Rig	Engineers:	Bruland Hillman								
Operator:	Statoll	Days to TD:		Warehouse:	Sandness en		Skieggstad Rasmussen								
Contractor:	Hoss Drilling Co	Total depth:	3437 [m]	Total Cost:	kr1 590 060										
	Product:	Barite	Bentonite	NaOH	Soda Ash	Gypsum	CMC HV	Propol SL	Propol Reg	Lime	Newdrill	Prothln	Probio II	Desco	Milgard
	Unit:	ton	ton	25 kg	25 kg	40 kg	25 kg	25 kg	25 kg	40 kg	25 kg	25 kg	25 liter	25 lbs	25 kg
	Unit Price:	700,00	2 000,00	85,00	120,00	55,00	284,75	508,00	506,00	70,00	825,00	90,00	485,00	200,00	425,00
Date:	Section:	Depth:													
23-mai-89	8 1/2"	3437													
24-mai-89	8 1/2"	3437	10	2								10			
25-mai-89	8 1/2"		14									30			
26-mai-89	8 1/2"		53									39			
27-mai-89	8 1/2"		3												
28-mai-89	8 1/2"														
29-mai-89	8 1/2"														
	8 1/2" SECTION SUM	343	18	137	4	0	0	48	8	0	0	319	0	0	0
	Total:	1410	67	156	19	296	0	319	155	9	0	582	18	39	14

Well no: 6608/10-1										
Operator: Statoil										
Contractor: Ross Drilling Co										
		Product:	Kwik-seal	NaCl salt	Bicarbonate	Prodefoam	Prolgnite	IMCO-spot		
		Unit:	40 lbs	25 kg	25 kg	25 l	25 kg	50 lbs		
		Unit Price:	284,78	25,00	80,00	788,00	160,00	520,20		
Date:	Section:	Depth:							Daily Cost	Cumulative Cost
14-apr-89	36"								2 240,00	2 240,00
15-apr-89	36"	420							20 445,00	22 685,00
16-apr-89	36"	482							10 205,00	32 890,00
<b>36" SECTION SUM</b>			0	0	0	0	0	0		
17-apr-89	26"	462							81 539,00	114 429,00
18-apr-89	26"	820							19 011,00	133 440,00
19-apr-89	26"	730							23 015,00	156 455,00
20-apr-89	26"	820							38 705,00	195 160,00
<b>26" SECTION SUM</b>			0	0	0	0	0	0		
21-apr-89	17 1/2"	820							27 653,00	222 813,00
22-apr-89	17 1/2"	1003							43 056,00	265 869,00
24-apr-88	17 1/2"	664							28 970,00	294 839,00
23-apr-89	17 1/2"	1371							28 272,00	323 111,00
24-apr-89	17 1/2"	1518							63 930,00	387 041,00
25-apr-89	17 1/2"	1549							34 255,00	421 296,00
26-apr-89	17 1/2"	1549							10 056,00	431 352,00
<b>17 1/2" SECTION SUM</b>			0	0	0	0	0	0		
27-apr-89	12 1/4"	1549			8				21 640,00	452 992,00
28-apr-89	12 1/4"	1754			8				184 373,00	637 365,00
29-apr-89	12 1/4"	2053							96 537,00	733 902,00
30-apr-89	12 1/4"	2300							128 256,00	862 158,00
1-mal-89	12 1/4"	2474				2			145 353,00	1 007 511,00
2-mal-89	12 1/4"	2502							65 763,00	1 073 274,00
3-mal-89	12 1/4"	2502							22 320,00	1 095 594,00
4-mal-89	12 1/4"	2502							12 105,00	1 107 699,00
<b>12 1/4" SECTION SUM</b>			0	0	18	2	0	0		
5-mal-89	8 1/2"	2502		660		2	88		160 848,00	1 268 547,00
6-mal-89	8 1/2"	2540			13	1	25		46 696,00	1 315 243,00
7-mal-89	8 1/2"	2584				2	25		42 609,00	1 357 852,00
8-mal-89	8 1/2"	2664		90		2	11		18 153,00	1 376 005,00
9-mal-89	8 1/2"	2716				1	25		10 213,00	1 386 218,00
10-mal-89	8 1/2"	2750		90		3	25		10 499,00	1 396 717,00
11-mal-89	8 1/2"	2852				5	20		15 985,00	1 412 702,00
12-mal-89	8 1/2"	2885				3			2 729,00	1 415 431,00
13-mal-89	8 1/2"	2925		80		2	15		19 316,00	1 434 747,00
14-mal-89	8 1/2"	3007				1	20		8 642,00	1 443 389,00
15-mal-89	8 1/2"	3063				3	15		8 264,00	1 451 653,00
16-mal-89	8 1/2"	3090				1			11 523,00	1 463 176,00
17-mal-89	8 1/2"	3146		120		1	5		11 390,00	1 474 566,00
18-mal-89	8 1/2"	3184		150		1	20		24 033,00	1 498 599,00
19-mal-89	8 1/2"	3276				5	15		9 027,00	1 507 626,00
20-mal-89	8 1/2"	3409				3	15		6 549,00	1 514 175,00
21-mal-89	8 1/2"	3437				4	15		8 765,00	1 522 940,00
22-mal-89	8 1/2"	3437							0,00	1 522 940,00



Well no: 6608/10-1									
Operator: Statoll									
Contractor: Ross Drilling Co									
		Product:	Kwik-seal	NaCl salt	Bicarbonate	Prodefoam	Prollgnite	IMCO-spot	
		Unit:	40 lbs	25 kg	25 kg	25 l	25 kg	50 lbs	
		Unit Price:	294,78	25,00	80,00	768,00	160,00	520,20	
Date:	Section:	Depth:						Daily Cost	Cumulative Cost
23-mai-89	8 1/2"	3437						0,00	1 522 940,00
24-mai-89	8 1/2"	3437				1		8 836,00	1 531 776,00
25-mai-89	8 1/2"					2		14 036,00	1 545 814,00
26-mai-89	8 1/2"					2		42 146,00	1 587 960,00
27-mai-89	8 1/2"							2 100,00	1 590 060,00
28-mai-89	8 1/2"							0,00	1 590 060,00
29-mai-89	8 1/2"							0,00	1 590 060,00
8 1/2" SECTION SUM			0	1170	13	45	339	0	
Total:			0	1170	29	47	339	0	1 590 060,00

DAILY DRILLING MUD PROPERTIES																
Well no:	6608/10-1	Spud date:	15-apr-89	Rig name:	Ross Rig	Engineers:	Bruland Hillman Skjeggstad Hasmussen									
Operator:	Statoll	Days to TD:	36	Warehouse:	Sandnessjøen											
Contractor:	Ross Drilling Co	Total Depth:	3437 m	Total Cost:	kr1 590 060											
Property:	Mud Density	Funnel Viscosity	Plastic Viscosity	Yield Point	10 sek gel	10 min gel	pH	Filtrate AP1	Filtrate HTHP	Filtrate temp HTHP	Cake Thickness	Alkalinity Mud (Ppm)	Alkalinity Filtrate (P1)	Alkalinity Filtrate (M1)		
Unit:	sg	sec/qt	cp	lb/100ft2	lb/100ft2	lb/100ft2		m/30 min	m/30 min	°C	32 nd lch.	ml	ml	ml		
Date:	Time	Depth:														
14-apr-89	00:00		1,05	100												
15-apr-89	00:00	420	1,05	100												
16-apr-89	00:00	462	1,05	100												
17-apr-89	00:00	462	1,05	100												
18-apr-89	00:00	820	1,05	100												
19-apr-89	00:00	730	1,05	100												
20-apr-89	00:00	820	1,05	100												
21-apr-89	00:00	820	1,10													
22-apr-89	00:00	1003	1,11	58	14	10	1	9,10	3,9			0,10	0,05	0,30		
23-apr-89	00:00	1371	1,11	50	12	7	1	8,50	4			0,05	0,00	0,25		
24-apr-89	00:00	1518	1,20	50	12	7	1	8,10	4			0,00	0,00	0,20		
25-apr-89	00:00	1549	1,32	45	15	7	1	8,30	3,9			0,00	0,00	0,20		
26-apr-89	00:00	1549	1,32	43	12	6	1	8,30	3,8			0,00	0,00	0,20		
27-apr-89	00:00	1549	1,44	44	13	6	1	8,20	4			0,00	0,00	0,30		
28-apr-89	00:00	1768	1,60	49	14	11	3	9,30	5,2			0,80	0,00	0,20		
29-apr-89	00:00	2053	1,67	53	20	16	6	8,70	4,6			0,60	0,00	0,25		
30-apr-89	00:00	2300	1,67	60	25	24	13	49	8,10	5,4		0,40	0,00	0,20		
1-mai-89	00:00	2462	1,67	46	18	16	10	43	8,40	5,4		0,20	0,00	0,30		
2-mai-89	00:00	2502	1,67	55	15	13	14	78	8,30	5,9		0,10	0,00	0,25		
3-mai-89	00:00	2502	1,67	50	12	13	5	33	8,50	5,6		0,20	0,00	0,25		
4-mai-89	00:00	2502	1,67	55	19	13	7	38	8,40	5,7		0,20	0,00	0,30		
5-mai-89	00:00	2502	1,52	53	15	12	6	10	10,20	7		0,70	0,10	0,70		
6-mai-89	00:00	2540	1,52	52	14	11	3	28	10,10	5,4	18	150	0,60	0,10	0,80	
7-mai-89	00:00	2584	1,52	53	16	10	4	31	9,60	4,2	12,8	150	0,60	0,10	0,80	
8-mai-89	00:00	2664	1,52	58	18	12	4	28	9,90	4	11,8	150	0,60	0,10	0,70	
9-mai-89	00:00	2716	1,52	62	17	11	4	32	10,00	4	11,2	150	0,60	0,10	0,80	
10-mai-89	00:00	2750	1,52	55	17	11	4	29	10,00	3,8	10,8	150	0,60	0,10	0,90	
11-mai-89	00:00	2852	1,52	58	19	12	4	36	10,00	4	10,4	150	0,60	0,10	1,20	
12-mai-89	00:00	2885	1,52	53	17	10	4	29	10,00	4	10,2	160	0,60	0,10	1,40	
13-mai-89	00:00	2925	1,52	54	16	8	4	22	10,00	4	10,8	160	0,70	0,20	1,70	
14-mai-89	00:00	3007	1,52	58	18	11	4	32	9,90	4,4	11,4	160	0,70	0,20	1,80	
15-mai-89	00:00	3063	1,52	62	19	11	3	27	10,00	4	10,6	160	0,70	0,20	2,00	
16-mai-89	00:00	3090	1,52	62	18	10	3	28	10,00	3,8	10,6	160	0,70	0,20	1,80	
17-mai-89	00:00	3148	1,52	58	18	12	3	31	10,00	3,8	11,2	160	0,90	0,20	1,80	
18-mai-89	00:00	3184	1,52	56	15	10	3	20	10,10	3,8	12	170	0,90	0,20	1,70	
19-mai-89	00:00	3278	1,52	54	17	10	3	19	10,00	3,5	13	170	1,10	0,20	1,40	
20-mai-89	00:00	3409	1,52	64	19	10	3	24	10,00	3,5	13	170	1,30	0,20	1,40	
21-mai-89	00:00	3437	1,52	64	20	10	3	20	10,10	3,8	13	170	1,50	0,20	1,60	
22-mai-89	00:00	3437	1,52	66	20	10	3	22	10,00	3,8	13	170	1,50	0,20	1,60	
23-mai-89	00:00	3437	1,52	66	19	9	3	18	9,90	3,8	13	170	1,60	0,20	1,50	
24-mai-89	00:00	3437	1,52	64	17	9	3	18	10,00	3,5	13	170	1,60	0,20	1,70	
25-mai-89	00:00	3437	1,52	65	20	10	3	36	12,50	4,2	13	170	5,60	0,60	2,20	
26-mai-89	00:00	3434	1,67	60	22	9	3	30	12,60	3,6	13	170				

Well no:		6608/10-1											
Operator		Statoll											
Contractor:		Roas Drilling Co											
Property:		Chloride Content	Total Hardness	Calcium	Sand Content	Solids Content	Oil Content	Water Content	Excess Gypsum	Methylene Blue Capacity	KCl Content		
Unit:		mg/l 1000	mg/l	mg/l	% vol	% vol	% vol	% vol	kg/m3	g/l	kg/m3		
Date:	Time	Depth:											
14-apr-89	00:00												
15-apr-89	00:00	420											
16-apr-89	00:00	462											
17-apr-89	00:00	462											
18-apr-89	00:00	820											
19-apr-89	00:00	730											
20-apr-89	00:00	820											
21-apr-89	00:00	820											
22-apr-89	00:00	1003	23	2800	1840	0	5	95	3.5	14.3			
23-apr-89	00:00	1371	22	2800	1400	0	7	93	3.9	21.4			
24-apr-89	00:00	1518	21	2640	1280	0	8	92	3.9	17.2			
25-apr-89	00:00	1549	22	2800	1600	0	11	89	4.1	28.6			
26-apr-89	00:00	1549	22	2800	1600	0	12	88	4.1	28.6			
27-apr-89	00:00	1549	22	2920	1680	0	14	86	4.1	28.6			
28-apr-89	00:00	1768	22	2820	2080	0.25	21	79	4.4	34.2			
29-apr-89	00:00	2053	22	2880	2240	0.25	23	77	4.6	40			
30-apr-89	00:00	2300	22	3000	2040	0.25	23	77	4.1	50			
1-mai-89	00:00	2462	22	3640	2480	0.25	23	77	4.5	50			
2-mai-89	00:00	2502	22	3920	2320	0.25	23	77	4.2	51.5			
3-mai-89	00:00	2502	22	4080	2400	0.25	23	77	4.2	45.6			
4-mai-89	00:00	2502	22	4000	2400	0.25	23	77	4.4	45.6			
5-mai-89	00:00	2502	35	200	160	0	19	81		45.6			
6-mai-89	00:00	2540	36	300	240	r	19	81		45.6			
7-mai-89	00:00	2584	35	300	240	r	20	80		50			
8-mai-89	00:00	2684	35	320	280	r	20	80		50			
9-mai-89	00:00	2716	35	280	240	r	20	80		50			
10-mai-89	00:00	2750	35	240	200	r	20	80		55			
11-mai-89	00:00	2852	35	180	160	r	20	80		55			
12-mai-89	00:00	2885	35	160	120	r	20	80		55			
13-mai-89	00:00	2925	35	160	120	r	20	80		55			
14-mai-89	00:00	3007	35	160	120	r	20	80		55			
15-mai-89	00:00	3063	35	160	120	r	21	79		57			
16-mai-89	00:00	3090	35	160	120	r	20	80		57			
17-mai-89	00:00	3148	35	160	100	r	21	79		57			
18-mai-89	00:00	3184	36	160	100	0.25	20	80		54			
19-mai-89	00:00	3278	37	100	80	r	20	80		54			
20-mai-89	00:00	3409	37	100	80	r	21	79		54			
21-mai-89	00:00	3437	38	100	80	r	21	79		54			
22-mai-89	00:00	3437	38	100	80	r	21	79		54			
23-mai-89	00:00	3437	38	100	80	r	21	79		54			
24-mai-89	00:00	3437	37	100	80	r	21	79		54			
25-mai-89	00:00	3437	37	100	80	r	21	79		54			
26-mai-89	00:00	3434								10			



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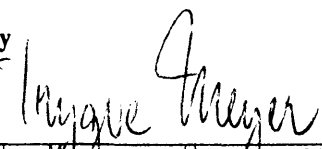
Grading


<b>Title</b> GEOCHEMICAL EVALUATION OF STATOIL 6608/10-1 WELL.		
<b>Requested by</b> Viggo Larsen, STNN-LET	<b>Project</b>	
<b>Date</b> 09.10.89	<b>No. of pages</b> 136	<b>No. of enclosures</b>

<b>Key words</b> Organic geochemistry, source rocks, maturity, hydrocarbon characterization
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<b>Prepared by</b> Kjersti Knudsen Edle Berge Anne Beth Fløtre
<b>Text operator</b> Kjersti Knudsen

**Approved by**

10/10-89   
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11/10-89   
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## 1 INTRODUCTION

This report presents the results of a standard geochemical study of the Statoil 6608/10-1 well. The analytical work was performed in accordance with Statoil standard and the guidelines given in "Organic Geochemistry Standard Analytical Procedure Requirement and Reporting Guide" (Kjell Øygard et al., 1988). The project was carried out at Statoil's GEOLAB.

## 2 OBJECTIVES

The aims of the project were to identify and evaluate potential source rock intervals, and to characterize migrant hydrocarbons in possible reservoirs in terms of their parent source rock kerogens and levels of thermal maturity.

The analytical program was as follows:

ANALYSIS	NUMBER OF SAMPLES			
	Cuttings	SWC	Core	Total
Headspace and occluded gas	57			57
TOC	59	68	8	135
Rock-Eval pyrolysis	59	68	10	137
Vitrinite reflectance		28		28
Kerogen description	2	5		7
Extraction	2	3	1	6
MPLC separation	1	2	1	4
GC total extract	1	1		2
GC saturates	1	2	1	4
GC aromatics	1	2	1	4
GC-MS biomarkers	1	2	1	4

TABLE 1 GEOCHEMICAL SAMPLES IN  
WELL 6608/10-1.

Depth mRKB	Sample No	Sample type
860	S3763	CUTT
898.50	S3902	SWC
950	S3764	CUTT
1013	S3903	SWC
1040	S3765	CUTT
1125	S3884	SWC
1130	S3766	CUTT
1220	S3767	CUTT
1237.50	S3904	SWC
1310	S3768	CUTT
1275	S3883	SWC
1330	S3905	SWC
1346.5	S3882	SWC
1373	S3881	SWC
1400	S3769	CUTT
1409.80	S3906	SWC
1449	S3880	SWC
1490	S3770	CUTT
1493.75	S3879	SWC
1525	S3907	SWC
1580	S3771	CUTT
1667	S3908	SWC
1670	S3772	CUTT
1691	S3878	SWC
1717	S3877	SWC
1739	S3876	SWC
1755	S3875	SWC
1760	S3773	CUTT
1796	S3874	SWC
1821	S3872	SWC
1829	S3873	SWC
1850	S3774	CUTT
1866	S3871	SWC
1884	S3870	SWC
1892	S3869	SWC

TABLE 1 GEOCHEMICAL SAMPLES IN  
WELL 6608/10-1.

Depth mRKB	Sample No	Sample type
1897	S3868	SWC
1902	S3867	SWC
1929	S3866	SWC
1940	S3775	CUTT
1958	S3865	SWC
1970	S3776	CUTT
2010	S3864	SWC
2020	S3777	CUTT
2030	S3912	SWC
2070	S3778	CUTT
2090	S3863	SWC
2120	S3779	CUTT
2120	S3913	SWC
2170	S3780	CUTT
2220	S3781	CUTT
2250	S3862	SWC
2270	S3782	CUTT
2290	S3861	SWC
2320	S3783	CUTT
2350	S3784	CUTT
2375	S3914	SWC
2380	S3785	CUTT
2410	S3786	CUTT
2425	S3860	SWC
2440	S3787	CUTT
2470	S3788	CUTT
2490	S3915	SWC
2500	S3789	CUTT
2510	S3859	SWC
2530	S3790	CUTT
2550	S3894	CUTT
2560	S3791	CUTT
2560	S3858	SWC
2582	S3916	SWC
2590	S3792	CUTT



TABLE 1 GEOCHEMICAL SAMPLES IN  
WELL 6608/10-1.

Depth	Sample	Sample
<u>mRKB</u>	<u>No</u>	<u>type</u>
2604	S3857	SWC
2620	S3793	CUTT
2650	S3794	CUTT
2667	S3851	SWC
2676	S3856	SWC
2680	S3795	CUTT
2691	S3855	SWC
2700	S3854	SWC
2710	S3796	CUTT
2716	S3853	SWC
2724	S3852	SWC
2740	S3797	CUTT
2758	S3850	SWC
2770	S3798	CUTT
2775	S3849	SWC
2800	S3799	CUTT
2819	S3848	SWC
2830	S3800	CUTT
2840	S3847	SWC
2851	S3846	SWC
2860	S3801	CUTT
2860	S3918	SWC
2885.25	S3885	CORE
2890	S3802	CUTT
2892.30	S3886	CORE
2897.25	S3887	CORE
2920	S3803	CUTT
2922	S3895	CUTT
2924	S3845	SWC
2926	S3844	SWC
2931	S3839	SWC
2933	S3838	SWC
2935	S3843	SWC
2939	S3842	SWC
2943	S3841	SWC

TABLE 1 GEOCHEMICAL SAMPLES IN  
WELL 6608/10-1.

Depth mRKB	Sample No	Sample type
2946	S3840	SWC
2950	S3804	CUTT
2952	S3896	CUTT
2957	S3837	SWC
2971	S3836	SWC
2979	S3919	SWC
2980	S3805	CUTT
3005	S3835	SWC
3010	S3806	CUTT
3025	S3834	SWC
3040	S3807	CUTT
3059	S3833	SWC
3066.20	S3888	CORE
3070	S3808	CUTT
3074.40	S3889	CORE
3080.50	S3890	CORE
3086.55	S3891	CORE
3095	S3920	SWC
3123	S3897	CUTT
3130	S3809	CUTT
3137	S3832	SWC
3140	S3831	SWC
3150	S3898	CUTT
3158.60	S3892	CORE
3160	S3810	CUTT
3163	S3893	CORE
3181.71	S3924	CORE
3183.50	S3925	CORE
3190	S3811	CUTT
3190	S3811B	CUTT
3204	S3830	SWC
3213	S3921	SWC
3220	S3812	CUTT
3228	S3829	SWC
3250	S3813	CUTT

TABLE 1 GEOCHEMICAL SAMPLES IN  
WELL 6608/10-1.

<u>Depth</u> <u>mRKB</u>	<u>Sample</u> <u>No</u>	<u>Sample</u> <u>type</u>
3267	S3828	SWC
3275	S3827	SWC
3280	S3814	CUTT
3294	S3899	CUTT
3303	S3900	CUTT
3310	S3815	CUTT
3331	S3922	SWC
3340	S3816	CUTT
3370	S3817	CUTT
3381	S3901	CUTT
3400	S3818	CUTT
3413	S3826	SWC
3428	S3923	SWC
3430	S3819	CUTT
3430	S3819B	CUTT

TABLE 2 LITHOLOGIC DESCRIPTION OF CUTTINGS SAMPLES,  
WELL 6608/10-1.

Sample	Depth	TOC	Lithology (rock name, mod, lith, col, size, sort, round matrix, cement, hard, acc, foss, por, cont.)
S3763	860		60% Sandstone, quartz, clear, very fine to fine, occ, coarse. 30% Rock fragments. 10% Claystone, light grey to grey, soft, very silty, micro-micaceous, sl. calcareous. TR. Shell fragments, Mica.
S3764	950		60% Sandstone, as above. 30% Rock fragments. 10% Claystone, as above. TR. Shell fragments, Mica.
S3765	1040		60% Sandstone, as above. 30% Rock fragments. 10% Claystone, as above. TR. Shell fragments, Mica.
S3766	1130		60% Sandstone, as above. 30% Rock fragments. 10% Claystone, as above. TR. Shell fragments, Mica.
S3767	1220		70% Sandstone, as above. 15% Rock fragments. 15% Claystone, as above. TR. Shell fragments, Mica.
S3768	1310		70% Sandstone, quartz, clear to milky white, very fine to fine, occ. coarse. 20% Rock fragments. 10% Claystone, grey, as above. TR. Mica, Shell fragments.
S3769	1400		70% Sandstone, as above. 15% Rock fragments. 15% Claystone, as above. TR. Mica, Shell fragments.
S3770	1490		50% Sandstone, as above. 35% Rock fragments. 15% Claystone, as above. TR. Shell fragments, Mica, Pyrite, Glauconite.
S3771	1580		95% Claystone, brown grey, soft to firm, silty, micro-micaceous, non to sl. calcareous, glauconite. 5% Rock fragments. TR. Glauconite, Quartz, Mica.
S3772	1670		100% Claystone, as above. TR. Glauconite, Rock fragments, Quartz, Mica.

TABLE 2 LITHOLOGIC DESCRIPTION OF CUTTINGS SAMPLES,  
WELL 6608/10-1.

Sample	Depth	TOC	Lithology (rock name, mod, lith, col, size, sort, round matrix, cement, hard, acc, foss, por, cont.)
S3773	1760		90% Claystone, light green grey to green grey, soft to firm, sl. silty, micro-micaceous. 10% Claystone, brown grey, soft to firm, silty, micro-micaceous, non to sl. calcareous, glauconite. TR. Quartz, Glauconite, Mica.
S3774	1850		100% Claystone, brown grey to olive grey, occ. green grey, firm, micro-micaceous, non to sl. calcareous, occ. tuffaceous. TR. Pyrite, Mica, Quartz.
S3775	1940		95% Claystone, olive grey to dark grey, occ. green grey, firm, micro-micaceous. 5% Tuff, dark grey, firm to hard. TR. Limestone, Pyrite, Quartz.
S3776	1970		95% Claystone, olive grey, occ. green grey to dark grey, firm, micro-micaceous, non to sl. calcareous. 5% Claystone, red brown, firm. TR. Tuff, Glauconite, Pyrite, Quartz, Mica.
S3777	2020		95% Claystone, as above. 5% Claystone, red brown, as above. TR. Pyrite, Tuff, Glauconite, Quartz, Mica, Anhydrite.
S3778	2070		100% Claystone, grey, soft to firm, silty, sl. micro-micaceous. TR. Pyrite, Glauconite, Mica, Anhydrite.
S3779	2120		95% Claystone, grey, occ. green grey, soft to firm, sl. silty to silty, sl. micro-micaceous. 5% Dolomite, grey brown. TR. Pyrite, Glauconite, red brown Claystone, Tuff, Anhydrite.
S3780	2170		100% Claystone, as above. TR. Dolomite, Red brown Claystone, Pyrite, Glauconite, Limestone, Anhydrite.
S3781	2220		100% Claystone, as above. TR. Pyrite, Glauconite, red brown Claystone.
S3782	2270		100% Claystone, grey, occ. light grey, occ. green grey, as above. TR. Pyrite, Glauconite, red brown Claystone, Dolomite.
S3783	2320		100% Claystone, grey, occ. light green grey, as above. TR. Pyrite, Glauconite, red brown Claystone.
S3784	2350		100% Claystone, grey to olive grey, as above. TR. Dolomite, Pyrite, Glauconite, red brown Claystone, Limestone.

TABLE 2 LITHOLOGIC DESCRIPTION OF CUTTINGS SAMPLES,  
WELL 6608/10-1.

Sample	Depth	TOC	Lithology (rock name, mod, lith, col, size, sort, round matrix, cement, hard, acc, foss, por, cont.)
S3785	2380		100% Claystone, grey to green grey, soft to firm, sl. silty, sl. micro-micaceous. TR. Dolomite, Pyrite, Limestone, Mica.
S3786	2410		100% Claystone, as above. TR. Dolomite, Pyrite, Limestone.
S3787	2440		100% Claystone, grey to dark grey, occ. green grey, soft to firm, sl. silty, sl. micro-micaceous, sl. to non calcareous. 5% Claystone, red brown, soft to firm, sl. calcareous. TR. Dolomite, Pyrite, Limestone, Kaolinite.
S3788	2470		100% Claystone, as above. TR. Red brown Claystone, Dolomite, Pyrite, Limestone, Kaolinite, Glauconite.
S3789	2500		100% Claystone, as above. TR. Dolomite, Pyrite, Limestone, Kaolinite.
S3790	2530		90% Claystone, grey to dark grey, as above. 10% Dolomite, grey brown. TR. Anhydrite, Kaolinite, Quartz, Mica.
S3894	2550		100% Claystone, grey to dark grey, as above. TR. Dolomite, Limestone, Anhydrite, Quartz.
S3791	2560		85% Claystone, grey to dark grey, blocky, soft to firm, silty, micro-micaceous, sl. to non calcareous. 15% Dolomite, grey brown. TR. Limestone, Anhydrite, Kaolinite, Mica.
S3792	2590		100% Claystone, grey, soft to firm, silty, micro-micaceous. TR. Dolomite, Anhydrite, Limestone, Kaolinite.
S3793	2620		100% Claystone, as above. TR. Dolomite, Limestone, Anhydrite, Kaolinite.
S3794	2650		100% Claystone, grey, soft to firm, silty, micro-micaceous, non to sl. calcareous. TR. Dolomite, Limestone, Anhydrite.
S3795	2680		100% Claystone, as above. TR. Dolomite, Limestone, Sandstone, Pyrite.
S3796	2710		100% Claystone, grey, blocky, firm, silty, micro-micaceous. TR. Sandstone, Dolomite, Limestone, Pyrite.

TABLE 2 LITHOLOGIC DESCRIPTION OF CUTTINGS SAMPLES,  
WELL 6608/10-1.

Sample	Depth	TOC	Lithology (rock name, mod, lith, col, size, sort, round matrix, cement, hard, acc, foss, por, cont.)
S3797	2740		100% Claystone, grey, blocky, firm, silty, micro-micaceous. TR. Dolomite, Limestone, Sandstone, Pyrite.
S3798	2770		100% Claystone, as above. TR. Dolomite, Limestone, Sandstone, Pyrite.
S3799	2800		100% Claystone, as above. TR. Dolomite, Limestone, Sandstone, Pyrite, Mica.
S3800	2830		75% Claystone, grey, blocky, firm, sl. silty, sl. micro-micaceous. 25% Claystone, red brown, firm, sl. silty, sl. micro-micaceous. TR. Sandstone, Pyrite, Mica, Dolomite.
S3801	2860		70% Claystone, blue grey, as above. 30% Claystone, red brown, as above. TR. Sandstone, Pyrite, Mica, Dolomite.
S3802	2890		85% Claystone, grey, blocky, firm, silty, micro-micaceous. 15% Claystone, red brown, as above. TR. Sandstone, Pyrite, Mica, Dolomite.
S3803	2920		85% Claystone, grey to blue grey, occ. olive grey, blocky, firm to mod. hard, sl. silty, micro-micaceous. 15% Claystone, red brown, as above. TR. Sandstone, Pyrite, Mica, Dolomite.
S3895	2922		85% Claystone, grey to blue grey, as above. 15% Claystone, red brown, as above. TR. Sandstone, Pyrite, Mica, Dolomite.
S3804	2950		45% Claystone, grey to blue grey, as above. 45% Sandstone, quartz, clear to milky white, fine to coarse, occ. very fine, in part calcareous cemented. 10% Limestone / Marl, buff to light brown grey, mod. hard. TR. Pyrite.
S3896	2952		80% Claystone, as above. 10% Sandstone, as above. 10% Limestone / Marl, as above. TR. Pyrite.
S3805	2980		45% Claystone, as above. 45% Sandstone, as above. 10% Limestone / Marl, as above. TR. Pyrite, Dolomite.

TABLE 2 LITHOLOGIC DESCRIPTION OF CUTTINGS SAMPLES,  
WELL 6608/10-1.

Sample	Depth	TOC	Lithology (rock name, mod, lith, col, size, sort, round matrix, cement, hard, acc, foss, por, cont.)
S3806	3010		65% Claystone, grey to blue grey, occ. olive grey, blocky, firm to mod. hard, sl. silty, micro-micaceous. 30% Limestone / Marl, buff to light brown grey, 5% Sandstone, quartz, clear, very fine to fine. TR. Pyrite, Dolomite, Glauconite.
S3807	3040		75% Claystone, grey to blue grey, occ. olive grey, blocky, firm to mod. hard, sl. silty to silty, micro-micaceous. 30% Limestone / Marl, as above. TR. Sandstone, Pyrite, Dolomite, Glauconite.
S3808	3070		85% Claystone, grey to blue grey, occ. olive grey, blocky, firm to mod. hard, silty, micro-micaceous. 10% Sandstone, quartz, clear, very fine to fine, occ. coarse. 5% Limestone / Marl, as above. TR. Sandstone, Pyrite, Dolomite, Glauconite.
S3897	3123		55% Sandstone, quartz, clear, very fine to fine, occ. coarse, in part calcareous cemented. 45% Claystone, as above. TR. Pyrite, Mica.
S3809	3130		65% Sandstone, as above. 35% Claystone, as above. TR. Pyrite, Dolomite, Mica.
S3898	3150		90% Claystone, grey to dark grey, occ. brown grey, blocky, silty, firm to mod. hard, micro-micaceous. 10% Sandstone, as above. TR. Pyrite, Dolomite, Limestone / Marl, Mica.
S3810	3160		90% Claystone, as above. 10% Sandstone, as above. TR. Pyrite, Dolomite, Mica.
S3811	3190		80% Sandstone, milky white to light brown grey, occ. clear, very fine to fine, occ. coarse, in part sl. calcareous cemented. 10% Claystone, as above. 10% Carbonaceous shale / Coal, dark brown to black. TR. Mica, Dolomite.
S3812	3220		85% Sandstone, as above. 15% Claystone, grey, silty to very silty, firm to mod. hard, micro-micaceous. TR. Mica, Dolomite, Pyrite.



TABLE 2 LITHOLOGIC DESCRIPTION OF CUTTINGS SAMPLES,  
WELL 6608/10-1.

Sample	Depth	TOC	Lithology (rock name, mod, lith, col, size, sort, round matrix, cement, hard, acc, foss, por, cont.)
S3813	3250		85% Sandstone, milky white to light brown grey, occ. clear, very fine to fine, occ. coarse, in part sl. calcareous cemented. 15% Claystone, grey, silty to very silty, firm to mod. hard, micro-micaceous. TR. Mica, Carbonaceous shale / Coal, Pyrite, Dolomite.
S3814	3280		60% Sandstone, as above. 30% Carbonaceous shale / Coal, dark brown to black. 10% Claystone, grey, sl. silty to silty, firm to mod. hard, micro-micaceous. TR. Mica, Pyrite.
S3899	3294		75% Coal, black, brittle, occ. carbonaceous shale, brown black. 25% Sandstone, as above. TR. Claystone, Mica, Pyrite.
S3900	3303		65% Coal, as above. 35% Sandstone, as above. TR. Claystone, Mica, Pyrite.
S3815	3310		60% Sandstone, as above. 30% Carbonaceous shale / Coal, dark brown to black. 10% Claystone, grey, sl. silty to silty, firm to mod. hard, micro-micaceous. TR. Mica, Limestone.
S3816	3340		70% Sandstone, as above. 30% Carbonaceous shale / coal, dark brown to black. TR. Mica, Limestone.
S3817	3370		80% Coal, black, brittle, occ. carbonaceous shale, brown black. 25% Sandstone, as above. 5% Claystone, grey, sl. silty to silty, firm to mod. hard, micro-micaceous. TR. Mica, Limestone.
S3901	3381		55% Carbonaceous shale / coal, dark brown to black. 35% Claystone, as above. 10% Sandstone, as above. TR. Mica, Limestone.
S3818	3400		75% Coal, black, brittle, occ. carbonaceous shale, brown black. 15% Claystone, as above. 10% Sandstone, as above. TR. Mica, Limestone.

TABLE 2 LITHOLOGIC DESCRIPTION OF CUTTINGS SAMPLES,  
WELL 6608/10-1.

Sample	Depth	TOC	Lithology (rock name, mod, lith, col, size, sort, round matrix, cement, hard, acc, foss, por, cont.)
S3819	3430		<p>40% Sandstone, milky white to light brown grey, occ. clear, very fine to fine, occ. coarse, in part sl. calcareous cemented.</p> <p>30% Claystone, grey, sl. silty to silty, firm to mod. hard, micro-micaceous.</p> <p>20% Coal, black, brittle, occ. carbonaceous shale, brown black.</p> <p>10% Siltstone, brown grey, firm, micro-micaceous.</p> <p>TR. Mica, Limestone.</p>

TABLE 3 LITHOLOGIC DESCRIPTION OF SIDEWALL CORE SAMPLES,  
WELL 6608/10-1.

Sample No	Depth mRKB	TOC %	Lithology (rock name, mod, lith, col, size, sort, round matrix, cement, hard, acc, foss, por, cont.)
S3902	898.5		Cly: med dk gry-dk gn grt, mod aren w/v fn-crs sd grns, sl slty, frm-sft, micromica, sl-mod calc
S3903	1013		Cly: a/a, but also w/vis forams
S3884	1125		Cly: a/a but w/lenses/pockets of sd: qtz grns, anhyd xls, powdery wh anhyd, v fn-crs, platy anhyd xls dom, subang-ang, pr srtd, also in cly, rck frg, fn-ext crs, of var metam/ign origin
S3904	1237.5		Cly: sl aren, tr of anhyd/qtz sd a/a
S3883	1275		Cly: med dk gry-dk gn gry, mod aren w/v fn-crs sd grns, mod slty, micromica-mica, mod calc
S3905	1330		Cly: dk gn gry, mod aren w/v fn-crs sd grns, mod slty, micromica, mod calc
S3882	1346.5		Cly: a/a
S3881	1373		Cly: a/a
S3906	1409.8		Cly: dk gn gry-olv gry, mod sdy, else a/a
S3880	1449		Cly: olv gry-med ly olv gry, frm, sft, micromica, sl calc
S3879	1493.75		Clyst: v dk olv gry, frm-mod hd, sl sdy, slty, mica-micromica, w/imbedded blk glau nod, abun i/p, v sl calc
S3907	1525		Clyst: dk v dk brn gry, mod slty/sdy, mica-micromica, v frm, sl calc

TABLE 3 LITHOLOGIC DESCRIPTION OF SIDEWALL CORE SAMPLES,  
WELL 6608/10-1.

Sample No	Depth mRKB	TOC %	Lithology (rock name, mod, lith, col, size, sort, round matrix, cement, hard, acc, foss, por, cont.)
S3908	1667		Clyst: dk gry brn, frm-mod hd, blk, micromica, noncalc
S3878	1691		Clyst: grn gry, frm, blk, noncalc, sl waxy i/p
S3877	1717		Clyst: sl slty i/p, dk grn gry, frm, blk, noncalc
S3876	1739		Clyst: grn gry, frm, waxy, v sl calc
S3875	1755		Clyst: grn gry, frm, blk, noncalc
S3874	1796		Clyst: pl yel brn, sft, waxy, noncalc
S3872	1821		Clyst: olv gry, sft-frm, waxy, noncalc, micromica
S3873	1829		Clyst: olv blk, frm, noncalc, micromica
S3871	1866		Clyst: olv gry-dk grn gry, sft-frm, v calc, sl slty, micromica
S3870	1884		Clyst: olv blk, frm, noncalc, micromica
S3869	1892		Clyst: a/a
S3868	1897		Clyst: olv gry, frm, sl fiss, noncalc, sl slty, micromica
S3867	1902		Clyst: a/a
S3866	1929		Clyst: gry blk, sft, noncalc, sl slty, micromica
S3865	1958		Clyst: a/a
S3864	2010		Clyst: grn blk, sft, noncalc, sl slty, sl micromica
S3912	2030		Clyst: sl calc, else a/a
S3863	2090		Clyst: noncalc, else a/a
S3779	2120		Clyst: a/a
S3862	2250		Clyst: a/a
S3861	2290		Clyst: a/a
S3914	2375		Clyst: sl calc, else a/a
S3860	2425		Clyst: a/a
S3787	2440		Clyst: a/a

TABLE 3 LITHOLOGIC DESCRIPTION OF SIDEWALL CORE SAMPLES,  
WELL 6608/10-1.

Sample No	Depth mRKB	TOC %	Lithology (rock name, mod. lith. col. size, sort, round matrix, cement, hard, acc, foss, por, cont.)
S3859	2510		Clyst: dk olv gry-olv blk, frm, mass, sl carb, sl micromica, mod calc
S3791	2560		Clyst: sl-mod calc, else a/a
S3916	2582		Clyst: sl calc, else a/a
S3857	2604		Clyst: v sl carb, sl-mod calc, else a/a
S3851	2667		Sst/lst: clr qtz, fn-v crs, pr srted, ang-subang, ext abund sft calc mtrx, sft, glau, grd to v aren sft lst, no vis por
S3856	2676		Clyst: dk olv gry-olv blk, frm, mass, sl carb, carg frgs i/p, sl micromica, sl calc
S3855	2691		Clyst: dk olv gry-olv blk, frm, mass, sl carb, sl micromica, noncalc, tr micropyr
S3854	2700		Clyst: olv-gry blk, frm-mod hd, i/p mod hd-hd, subfiss, carb frgs i/p, gh pickets, sl micromica, sl calc i/p
S3853	2716		Clyst: a/a
S3852	2724		Clyst: gry blk-olv blk, frm-mod hd, subfiss, sl carb & micromica, noncalc
S3850	2758		Clyst: dk gry, else a/a
S3849	2775		Clyst: a/a
S3848	2819		Clyst: a/a
S3947	2840		Slst: olv gry, frm v arg, v aren w/cclr-vlt brn v fn-fn qtz grns, mica, carb, i/p mod calc
S3846	2851		Clyst: dk gry, slty, frm, mica-micromica, sl carb, sl aren, sl calc

TABLE 3 LITHOLOGIC DESCRIPTION OF SIDEWALL CORE SAMPLES,  
WELL 6608/10-1.

Sample No	Depth mRKB	TOC %	Lithology (rock name, mod. lith. col. size. sort. round matrix. cement. hard. acc. foss. por. cont.)
S3918	2860		Clyst: gry blk, vslytgy grd to slty, sl aren, frm, mica-micromica, carb, mod calc
S3845	2924		Clyst: dsky yelbrn-brn blk, slaty, frm, subfiss, micromica, sl-i/p mod calc
S3844	2926		Clyst: a/a
S3838	2933		Sst: olv gry, clr-vlt brn trnsl qtz, v fn-crs, v pr srtd, subang-ang, abun arg/slytgy & calc mtrx, occ sl calc cmtd, v fri, sl carb, tr gn glau, no vis por
S3843	2935		Clyst: blk-gry blk, frm-mod hd, subfiss, v micromica, calc, sl carb
S3842	2929		Clyst: a/a
S3841	2943		Clyst: blk-brn blk, frm-mod hd, subfiss, sl micromica, sl calc, micropyr i/p
S3840	2946		Clyst: olv gry-brn gry, frm, amor, waxy, noncalc
S3837	2957		Clyst: olv gry- dk grrn gry, else a/a
S3836	2971		Clyst: olv blk-olv gry, sft-mod frm, amor, waxy, v sl calc
S3919	2979		Clyst: noncalc, else a/a
S3835	3005		Clyst: brn blk-gry blk, frm, subfiss, sl calc, micromica
S3834	3025		Clyst/slst: brn blk-olv blk, mod frm, micromica, amor, tr coal, sl calc
S3833	3059		Clyst: gry blk-brn blk, frm, amor, ea, noncalc, carb mat
S3920	3095		Clyst: dk gry-gry blk, frm, amor, ea, sl calc, sl carb mat

TABLE 3 LITHOLOGIC DESCRIPTION OF SIDEWALL CORE SAMPLES,  
WELL 6608/10-1.

Sample No	Depth mRKB	TOC %	Lithology (rock name, mod. lith, col, size, sort, round matrix, cement, hard, acc, foss, por, cont.)
S3832	3137		Clyst: dk gry-gry blk, sl frm, amor, sl waxy, sl micr carb, noncalc
S3831	3140		Clyst: dk gry-gry blk, amor, sft, waxy, noncalc
S3830	3204		Slst/sst: lt gry-yel gry, mod frm, v fn sd, glau, sl carb
S3921	3213		Slst/sst: a/a
S3829	3228		Slst: med dk gry-occ lt gry, mod frm, noncalc
S3828	3267		Clyst: dk gry, homog, amor, tr coal, frm, noncalc
S3827	3275		Coal: blk, shiny, fiss, mod hd
S3922	3331		Sd: luh-lt gry i/p dk gry, v fn sd-slt, frm, tr mica, sl calc
S3826	3413		Clyst/mudst: mod brn-dsk brn, frm, amor, noncalc
S3923	3428		Slst: med gry-olv gry, frm, carb frgs, noncalc

TABLE 4 LITHOLOGIC DESCRIPTION OF CORE SAMPLES,  
WELL 6608/10-1.

Sample No	Depth mRKB	TOC %	Lithology (rock name, mod, lith. col, size, sort, round matrix, cement, hard, acc, foss, por, cont.)
S3885	2885.25		Shale, dark grey, mod hard to hard
S3886	2892.30		Shale, dark grey, mod hard to hard, micromica
S3887	2897.25		Shale, as above
S3888	3066.20		Shale, silty, dark brown-grey, mod hard, micromica, silt-laminated
S3889	3074.40		Shale, as above
S3890	3080.50		Shale, silty, dark brown-grey, mod hard, micromica, sl. silt-laminated
S3891	3086.55		Siltstone, dark brown-grey, mod hard, micromica, laminated
S3892	3158.60		Shale grading to siltstone, dark grey, mod hard, very micromica, laminated
S3893	3163.00		Shale, as above
S3894	3181.71		Sandstone, grey, very fine, mod cemented, mica
S3895	3183.50		Sandstone, as above



TABLE 5 HEADSPACE GAS ( $\mu\text{L}/\text{kg}$  sample), WELL 6608/10-1.

SAMPLE NO.	DEPTH (mRKB)	C1	C2	C3	IC4	NC4	C5+
S3763	860	22692	66	40	25	24	79
S3764	950	11278	15	8	3	0	13
S3765	1040	6494	8	2	1	0	0
S3766	1130	6779	8	3	2	0	7
S3767	1220	404	0	5	3	2	9
S3768	1310	4798	19	9	4	4	22
S3769	1400	5821	19	9	5	5	19
S3770	1490	3229	14	9	2	3	0
S3771	1580	73113	238	500	135	56	210
S3772	1670	22054	23	86	67	12	73
S3773	1760	32178	88	86	22	9	31
S3774	1850	17529	73	31	14	11	63
S3775	1940	4174	61	45	29	26	87
S3776	1970	2678	56	30	13	13	63
S3777	2020	11595	62	41	20	14	45
S3778	2070	28928	284	177	95	61	170
S3779	2120	11660	154	152	86	54	137
S3780	2170	22401	284	168	93	59	110
S3781	2220	15845	577	624	421	320	580
S3782	2270	20563	543	394	209	148	197
S3783	2320	8199	359	301	165	116	143
S3784	2350	5219	183	147	86	62	86
S3785	2380	6435	215	155	83	57	75
S3786	2410	6941	806	402	223	196	242
S3787	2440	9141	501	433	253	173	274
S3788	2470	10585	708	660	363	275	545

TABLE 5 HEADSPACE GAS ( $\mu\text{L}/\text{kg}$  sample), WELL 6608/10-1.

SAMPLE NO.	DEPTH (mRKB)	C1	C2	C3	IC4	NC4	C5+
S3789	2500	3601	305	327	183	136	271
S3790	2530	346	44	81	46	38	70
S3791	2560	742	114	189	104	76	94
S3792	2590	1672	280	329	166	137	167
S3793	2620	2798	353	418	227	194	247
S3794	2650	1410	211	293	130	120	175
S3795	2680	1732	193	257	112	114	278
S3796	2710	810	230	175	45	47	90
S3797	2740	481	124	118	26	30	82
S3798	2770	926	246	140	24	27	48
S3799	2800	604	195	149	24	31	48
S3800	2830	581	107	105	42	50	123
S3801	2860	516	184	141	11	19	18
S3802	2890	168	28	31	6	8	14
S3803	2920	23	7	37	13	21	41
S3804	2950	8463	1017	648	70	141	121
S3805	2980	11766	1336	756	84	168	188
S3806	3010	5788	1066	1632	206	428	328
S3807	3040	3581	894	1030	96	174	99
S3808	3070	2896	295	165	18	34	42
S3809	3130	3116	985	882	68	140	88
S3810	3160	935	277	323	44	94	85

TABLE 5 HEADSPACE GAS ( $\mu\text{L}/\text{kg}$  sample), WELL 6608/10-1.

SAMPLE NO.	DEPTH (mRKB)	C1	C2	C3	IC4	NC4	C5+
S3811	3190	8307	1582	1100	88	163	100
S3812	3220	621	234	228	32	69	70
S3813	3250	4158	1258	1107	102	220	126
S3814	3280	84102	17063	9184	672	1037	265
S3815	3310	125996	16301	7483	536	709	186
S3816	3340	1901	390	278	29	51	45
S3817	3370	256959	23079	6891	388	356	93
S3818	3400	194186	11462	3487	218	224	81
S3819	3430	85792	9815	4157	312	391	148

TABLE 6 OCCLUDED GAS ( $\mu\text{L}/\text{kg}$  sample), WELL 6608/10-1.

SAMPLE NO.	DEPTH (mRKB)	C1	C2	C3	IC4	NC4	C5+
S3763	860.00	574	56	33	2	18	55
S3764	950.00	536	38	18	1	11	35
S3765	1040.00	596	25	10	1	4	21
S3766	1130.00	601	43	23	1	15	40
S3767	1220.00	655	28	10	1	5	20
S3768	1310.00	686	34	14	2	6	26
S3769	1400.00	738	42	17	2	7	32
S3770	1490.00	965	45	15	4	6	39
S3771	1580.00	313	35	18	4	0	112
S3772	1670.00	193	32	17	5	5	113
S3773	1760.00	159	27	17	2	6	41
S3774	1850.00	74	0	7	0	0	25
S3775	1940.00	147	58	34	20	22	62
S3776	1970.00	114	37	23	11	12	41
S3777	2020.00	117	44	25	8	14	58
S3778	2070.00	251	119	78	51	54	189
S3779	2120.00	100	31	19	10	14	79
S3780	2170.00	109	35	23	19	25	156
S3781	2220.00	221	70	35	19	26	149
S3782	2270.00	176	54	32	24	31	145
S3783	2320.00	117	25	38	48	61	184
S3784	2350.00	111	33	38	41	54	207
S3785	2380.00	70	24	33	32	38	141
S3786	2410.00	172	42	47	52	67	284
S3787	2440.00	145	56	51	47	55	180
S3788	2470.00	420	94	54	46	59	277

TABLE 6 OCCLUDED GAS ( $\mu\text{L}/\text{kg}$  sample), WELL 6608/10-1.

SAMPLE NO.	DEPTH (mRKB)	C1	C2	C3	IC4	NC4	C5+
S3789	2500.00	184	62	70	64	83	346
S3790	2530.00	249	68	42	39	45	216
S3791	2560.00	322	87	58	49	55	215
S3792	2590.00	112	36	124	120	160	327
S3793	2620.00	442	135	97	71	84	237
S3794	2650.00	324	115	78	43	64	286
S3795	2680.00	379	62	49	34	48	251
S3796	2710.00	116	79	215	119	184	563
S3797	2740.00	119	61	198	92	178	647
S3798	2770.00	112	95	258	94	189	706
S3799	2800.00	84	71	228	78	164	594
S3800	2830.00	289	67	43	11	31	79
S3801	2860.00	109	58	124	20	54	90
S3802	2890.00	121	56	116	47	89	260
S3803	2920.00	120	35	51	25	55	224
S3804	2950.00	1229	1063	1783	272	743	555
S3805	2980.00	890	1198	2033	313	842	627
S3806	3010.00	767	186	703	140	425	472
S3807	3040.00	324	376	1216	211	573	534
S3808	3070.00	415	580	1295	218	601	641
S3809	3130.00	498	159	493	81	305	296
S3810	3160.00	365	190	683	132	410	421

TABLE 6 OCCLUDED GAS ( $\mu\text{L}/\text{kg}$  sample), WELL 6608/10-1.

SAMPLE NO.	DEPTH (MRKB)	C1	C2	C3	IC4	NC4	C5+
S3811	3190.00	865	1556	2194	227	637	330
S3812	3220.00	431	120	399	72	304	366
S3813	3250.00	462	1171	2239	237	808	370
S3814	3280.00	13800	33292	28634	2635	4337	982
S3815	3310.00	18584	28350	23145	2161	3549	926
S3816	3340.00	458	970	1363	137	428	268
S3817	3370.00	108373	96628	41942	2951	2952	704
S3818	3400.00	161481	89383	39177	3130	3176	734
S3819	3430.00	28973	32425	23080	2147	3456	1221

TABLE 7 SUM HEADSPACE AND OCCLUDED GAS CONCENTRATION ( $\mu\text{L}/\text{kg}$  sample), WELL 6608/10-1.

SAMPLE NO.	DEPTH (mRKB)	C1	C2	C3	IC4	NC4	C5+	SUM C1-C4	IC4/NC4	Wetness
S3763	860.00	23266	122	73	27	42	134	23530	0.64	1.12
S3764	950.00	11814	53	26	4	11	48	11908	0.36	0.79
S3765	1040.00	7090	33	12	2	4	21	7158	0.10	0.95
S3766	1130.00	7380	51	26	3	15	47	7475	0.20	1.27
S3767	1220.00	1059	28	15	4	7	29	1113	0.57	4.85
S3768	1310.00	5484	53	23	6	10	48	5576	0.60	1.65
S3769	1400.00	6559	61	26	7	12	51	6665	0.58	1.59
S3770	1490.00	4194	59	24	6	9	39	4292	0.67	2.28
S3771	1580.00	73426	273	518	139	56	322	74412	2.48	1.33
S3772	1670.00	22247	55	103	72	17	186	22494	4.24	1.10
S3773	1760.00	32337	115	103	24	15	72	32594	1.60	0.79
S3774	1850.00	17603	73	38	14	11	88	17739	1.27	0.77
S3775	1940.00	4321	119	79	49	48	149	4616	1.02	6.39
S3776	1970.00	2792	92	52	24	24	104	2984	1.00	6.43
S3777	2020.00	11712	106	65	28	28	104	11939	1.00	1.90

TABLE 7 SUM HEADSPACE AND OCCLUDED GAS CONCENTRATION ( $\mu\text{L}/\text{kg}$  sample), WELL 6608/10-1.

SAMPLE NO.	DEPTH (mRKB)	C1	C2	C3	IC4	NC4	C5+	SUM C1-C4	IC4/NC4	Wetness
S3778	2070.00	29178	404	255	146	115	359	30098	1.27	3.06
S3779	2120.00	11760	185	171	96	68	216	12280	1.41	4.23
S3780	2170.00	22510	319	191	112	84	265	23216	1.33	3.04
S3781	2220.00	16066	646	658	440	346	729	18156	1.27	11.51
S3782	2270.00	20740	596	427	233	179	342	22175	1.30	6.47
S3783	2320.00	8316	384	338	213	177	327	9428	1.20	11.79
S3784	2350.00	5331	216	185	127	117	293	5976	1.09	10.79
S3785	2380.00	6505	239	187	115	95	217	7141	1.21	8.91
S3786	2410.00	7112	847	449	274	263	525	8945	1.04	20.49
S3787	2440.00	9286	557	484	300	228	453	10855	1.32	14.45
S3788	2470.00	11004	802	714	409	334	822	13263	1.22	17.03
S3789	2500.00	3786	367	397	247	220	617	5017	1.12	24.54
S3790	2530.00	596	112	122	85	83	286	998	1.02	40.28
S3791	2560.00	1064	201	246	153	131	309	1795	1.17	40.72
S3792	2590.00	1783	317	453	286	297	494	3136	0.96	43.14
S3793	2620.00	3240	488	516	298	278	483	4820	1.07	32.78
S3794	2650.00	1734	326	372	174	185	461	2791	0.94	37.87
S3795	2680.00	2111	255	307	146	162	529	2981	0.90	29.18
S3796	2710.00	926	308	390	164	231	653	2019	0.71	54.14



TABLE 7 SUM HEADSPACE AND OCCLUDED GAS CONCENTRATION ( $\mu\text{L}/\text{kg}$  sample), WELL 6608/10-1.

SAMPLE NO.	DEPTH (mRKB)	C1	C2	C3	IC4	NC4	C5+	SUM C1-C4	IC4/NC4	Wetness
S3797	2740.00	599	185	316	118	208	729	1426	0.57	57.99
S3798	2770.00	1038	341	398	118	215	753	2110	0.55	50.81
S3799	2800.00	687	266	377	102	195	642	1627	0.52	57.78
S3800	2830.00	869	174	148	54	81	202	1326	0.67	34.46
S3801	2860.00	625	242	265	31	73	108	1236	0.42	49.43
S3802	2890.00	289	84	147	53	97	274	670	0.55	56.87
S3803	2920.00	143	42	88	39	76	265	388	0.51	63.14
S3804	2950.00	9692	2081	2432	342	884	675	15431	0.39	37.19
S3805	2980.00	12657	2534	2790	396	1010	815	19387	0.39	34.71
S3806	3010.00	6555	1252	2335	346	853	800	11341	0.41	42.20
S3807	3040.00	3905	1270	2246	307	746	633	8474	0.41	53.92
S3808	3070.00	3312	875	1460	236	635	682	6518	0.37	49.19
S3809	3130.00	3614	1144	1376	150	445	384	6729	0.34	46.29
S3810	3160.00	1300	466	1005	176	504	506	3451	0.35	62.33

TABLE 7 SUM HEADSPACE AND OCCLUDED GAS CONCENTRATION ( $\mu\text{L}/\text{kg}$  sample), WELL 6608/10-1.

SAMPLE NO.	DEPTH (mRKB)	C1	C2	C3	IC4	NC4	C5+	SUM C1-C4	IC4/NC4	Wetness
S3811	3190.00	9172	3138	.3294	315	801	430	16720	0.39	45.14
S3812	3220.00	1052	354	627	104	372	435	2509	0.28	58.07
S3813	3250.00	4620	2429	3346	339	1029	496	11763	0.33	60.72
S3814	3280.00	97901	50356	37818	3307	5374	1247	194756	0.62	49.73
S3815	3310.00	144580	44651	30628	2697	4258	1111	226814	0.63	36.26
S3816	3340.00	2359	1360	1641	166	479	312	6005	0.35	60.72
S3817	3370.00	365332	119707	48833	3339	3309	797	540520	1.01	32.41
S3818	3400.00	355668	100846	42664	3349	3400	816	505927	0.99	29.70
S3819	3430.00	114766	42240	27236	2459	3847	1369	190548	0.64	39.77

TABLE 8 PYROLYSIS DATA, WELL 6608/10-1.

SAMPLE NO.	DEPTH (mRKB)	S1	S2	TOC	HI	PP	PI	TMAX
S3884	1125,00	0,0	0,1	0,3	35	0,1	0,31	
S3883	1275,00	0,0	0,1	0,3	37	0,1	0,21	
S3882	1346,50	0,0	0,1	0,3	48	0,2	0,22	
S3881	1373,00	0,0	0,2	0,3	51	0,2	0,22	
S3880	1449,00	0,1	0,9	0,8	110	1,0	0,09	440
S3879	1493,76	0,1	0,2	0,8	30	0,3	0,32	
S3771	1580,00	0,7	3,5	3,1	112	4,2	0,18	413
S3772	1670,00	0,4	2,5	2,3	110	2,9	0,13	423
S3878	1691,00	ND	ND	0,1				
S3877	1717,00	ND	ND	0,1				
S3876	1739,00	ND	ND	0,2				
S3875	1755,00	ND	ND	0,1				
S3773	1760,00	0,1	0,0	0,2	22	0,1	0,58	
S3874	1796,00	ND	ND	0,1				
S3872	1821,00	ND	ND	1,0				
S3873	1829,00	0,1	0,4	1,6	24	0,5	0,24	
S3774	1850,00	0,0	0,4	0,8	48	0,4	0,12	
S3871	1866,00	0,0	0,1	0,4	32	0,2	0,26	
S3870	1884,00	ND	ND	0,4				
S3869	1892,00	0,2	0,5	1,9	26	0,7	0,29	387
S3868	1897,00	0,2	0,8	1,5	54	1,0	0,18	404
S3867	1902,00	0,2	0,7	1,8	38	0,9	0,26	403
S3866	1929,00	ND	ND	0,4				
S3775	1940,00	0,0	0,1	0,4	29	0,2	0,20	
S3865	1958,00	ND	ND	0,4				
S3776	1970,00	0,0	0,1	0,5	30	0,2	0,22	

TABLE 8 PYROLSIS DATA, WELL 6608/10-1.

SAMPLE NO.	DEPTH (mRKB)	S1	S2	TOC	HI	PP	PI	TMAX
S3864	2010,00	ND	ND	0,5				
S3777	2020,00	0,0	0,2	0,5	38	0,2	0,17	
S3778	2070,00	0,0	0,3	0,7	42	0,3	0,13	
S3863	2090,00	0,0	0,3	0,8	38	0,4	0,09	
S3779	2120,00	0,0	0,3	0,7	42	0,3	0,12	
S3780	2170,00	0,0	0,5	0,8	62	0,5	0,07	415
S3781	2220,00	0,0	0,5	0,8	60	0,5	0,07	415
S3862	2250,00	0,0	0,6	1,0	59	0,6	0,03	426
S3782	2270,00	0,0	0,4	0,7	52	0,4	0,07	
S3861	2290,00	0,0	0,6	1,1	53	0,6	0,06	421
S3783	2320,00	0,0	0,5	0,9	57	0,6	0,07	419
S3784	2350,00	0,0	0,6	0,9	63	0,6	0,07	417
S3785	2380,00	0,0	0,3	0,5	52	0,3	0,10	
S3786	2410,00	0,0	0,5	0,8	59	0,5	0,08	
S3860	2425,00	0,0	0,7	0,9	81	0,7	0,04	425
S3787	2440,00	0,0	0,4	0,7	59	0,5	0,10	422
S3788	2470,00	0,1	0,7	0,8	81	0,8	0,08	424
S3789	2500,00	0,1	0,7	0,9	78	0,8	0,08	424
S3859	2510,00	0,0	0,8	1,1	72	0,9	0,06	429
S3790	2530,00	0,1	1,2	1,1	110	1,3	0,10	429
S3894	2550,00	0,0	0,4	0,9	48	0,5	0,10	
S3791	2560,00	0,1	0,8	0,9	85	0,9	0,12	432
S3858	2560,00	0,0	1,0	1,3	73	1,0	0,01	429
S3792	2590,00	0,1	0,8	1,0	77	0,9	0,12	430
S3857	2604,00	0,0	0,6	1,1	54	0,6	0,05	425
S3793	2620,00	0,1	0,8	1,1	73	0,9	0,14	423
S3794	2650,00	0,1	0,7	1,1	63	0,8	0,12	433
S3851	2667,00	ND	ND	0,2				
S3856	2676,00	ND	ND	1,1				
S3795	2680,00	0,1	0,6	1,0	58	0,7	0,14	425
S3855	2691,00	ND	ND	1,0				

TABLE 8 PYROLSIS DATA, WELL 6608/10-1.

SAMPLE NO.	DEPTH (mRKB)	S1	S2	TOC	HI	PP	PI	TMAX
S3854	2700,00	ND	ND	0,7				
S3796	2710,00	0,1	0,5	0,9	59	0,6	0,11	431
S3853	2716,00	ND	ND	0,6				
S3852	2724,00	ND	ND	0,9				
S3797	2740,00	0,1	0,4	0,9	52	0,5	0,12	430
S3850	2758,00	ND	ND	0,7				
S3798	2770,00	0,1	0,5	0,9	56	0,6	0,18	427
S3849	2775,00	ND	ND	0,7				
S3799	2800,00	0,1	0,4	0,8	53	0,5	0,14	
S3848	2819,00	ND	ND	0,4				
S3800	2830,00	0,0	0,1	0,6	17	0,1	0,17	
S3847	2840,00	ND	ND	0,5				
S3846	2851,00	ND	ND	1,7				
S3801	2860,00	0,0	0,1	0,6	18	0,1	0,17	
S3885	2885,25	0,0	1,1	1,7	66	1,2	0,05	431
S3802	2890,00	0,0	0,3	0,8	43	0,4	0,10	
S3886	2892,30	0,0	0,6	1,1	55	0,7	0,09	434
S3887	2897,25	0,0	0,5	0,9	58	0,6	0,09	431
S3803	2920,00	0,0	0,4	1,1	38	0,5	0,10	433
S3895	2922,00	0,1	0,4	0,8	53	0,5	0,13	
S3845	2924,00	1,3	30,6	9,4	323	31,9	0,04	427
S3844	2926,00	1,1	25,2	9,1	274	26,4	0,04	426
S3839	2931,00	0,1	0,3	0,4	64	0,4	0,20	
S3838	2933,00	0,1	0,3	0,5	64	0,4	0,21	
S3843	2935,00	0,9	7,7	9,3	83	8,7	0,11	440
S3842	2939,00	0,3	1,6	3,2	50	1,9	0,15	436
S3841	2943,00	0,1	2,7	2,7	101	2,9	0,05	440
S3840	2946,00	ND	ND	1,6				
S3804	2950,00	0,3	4,4	2,8	154	4,7	0,06	427
S3896	2952,00	0,2	1,8	1,9	93	1,9	0,09	436

TABLE 8 PYROLSIS DATA, WELL 6608/10-1.

SAMPLE NO.	DEPTH (mRKB)	S1	S2	TOC	HI	PP	PI	TMAX
S3837	2957,00	ND	ND	0,9				
S3836	2971,00	ND	ND	1,5				
S3805	2980,00	0,2	2,9	2,6	115	3,2	0,07	433
S3835	3005,00	0,2	2,7	2,6	103	2,9	0,06	432
S3806	3010,00	0,1	0,9	1,2	75	1,0	0,08	432
S3834	3025,00	0,1	1,5	1,8	82	1,6	0,07	433
S3807	3040,00	0,1	0,9	1,2	74	1,0	0,09	428
S3833	3059,00	ND	ND	3,2				
S3888	3066,20	0,1	0,5	1,2	45	0,7	0,16	401
S3808	3070,00	0,1	1,0	1,1	86	1,1	0,08	431
S3889	3074,40	0,1	0,7	1,2	56	0,8	0,09	440
S3890	3080,50	0,2	2,9	2,9	99	3,2	0,07	435
S3891	3086,55	0,1	0,5	0,9	52	0,6	0,13	430
S3897	3123,00	0,1	0,5	1,0	53	0,7	0,12	429
S3809	3130,00	0,0	0,6	0,9	69	0,7	0,08	425
S3832	3137,00	0,1	0,9	1,4	61	1,0	0,09	438
S3831	3140,00	ND	ND	1,6				
S3898	3150,00	0,1	0,5	1,1	45	0,6	0,15	430
S3892	3158,60	0,3	1,8	2,0	92	2,2	0,15	443
S3810	3160,00	0,1	0,7	1,0	72	0,8	0,09	427
S3893	3163,00	0,2	1,2	2,5	48	1,5	0,15	440
S3924	3181,71	ND	ND					
S3925	3183,50	0,0	0,0	*****	0	0,0	0,25	
S3811	3190,00	0,1	0,5	0,9	59	0,6	0,95	429
S3811B	3190,00	9,2	174,8	51,7	338	184,1	0,05	436
S3830	3204,00	0,2	0,3	0,7	39	0,5	0,38	
S3812	3220,00	0,1	1,0	1,3	80	1,2	0,11	429
S3829	3228,00	ND	ND	1,4				

TABLE 8 PYROLSIS DATA, WELL 6608/10-1.

SAMPLE NO.	DEPTH (mRKB)	S1	S2	TOC	HI	PP	PI	TMAX
S3813	3250,00	0,2	2,5	2,2	115	2,8	0,08	431
S3828	3267,00	ND	ND	1,2				
S3827	3275,00	11,1	172,8	80,6	214	183,9	0,06	441
S3814	3280,00	11,1	197,2	64,1	308	208,3	0,05	441
S3899	3294,00	10,3	200,6	65,3	307	211,0	0,05	442
S3900	3303,00	13,4	237,4	70,8	335	250,9	0,05	438
S3815	3310,00	7,9	156,3	45,8	341	164,2	0,05	439
S3816	3340,00	0,0	0,7	1,0	69	0,8	0,07	428
S3817	3370,00	10,2	189,3	65,4	289	199,5	0,05	438
S3901	3381,00	10,4	176,4	59,2	298	186,9	0,06	438
S3818	3400,00	11,1	181,8	64,3	283	192,9	0,06	440
S3826	3413,00	2,8	1,0	1,9	55	3,9	0,72	426
S3819	3430,00	0,0	0,7	1,0	68	0,8	0,06	432
S3819B	3430,00	12,4	143,8	54,3	265	156,2	0,08	438

TABLE 9 VISUAL KEROGEN DESCRIPTIONS, WELL 6608/10-1.

S nr.	Dyp m RKB	Lip %	Vit %	In %	AOM	
					Lip %	Hum %
3845	2924	1	10	3	86	
3842	2939	40	37	15		4
3804	2950	35	21	14	30	
3835	3005	62	26	12		
3899	3294	4	55	41		
3901	3381	7	65	28		
3826	3413	29	43	6	22	



TABLE 10 VITRINITE REFLECTANCE DATA, WELL 6608/10-1.

Dyp m KB	Prøve- nummer	POP1 Målinger	Prep	Mengde vitr.	Kval kode	Måle flate
898,50	S3902	* 0,30 ( 9)	B	L	U	SD
1013,00	S3903	* 0,35 ( 8)	B	L	U	SD
1237,50	S3904	* 0,34 ( 20)	B	RR	S	MG
1330,00	S3905	* 0,33 ( 8)	B	L	S	MG
1409,80	S3906	* 0,38 ( 6)	B	L	U	SD
1525,00	S3907	* 0,36 ( 5)	B	L	U	SD
1667,00	S3908	* 0,43 ( 4)	B	L	U	LD
2030,00	S3912	* 0,44 ( 5)	B	L	S	MG
2120,00	S3913	* 0,48 ( 2)	B	L	U	SD
2250,00	S3862	* 0,49 ( 5)	B	L	U	MD
2375,00	S3914	* 0,43 ( 4)	B	L	U	SD
2490,00	S3915	* 0,49 ( 4)	B	L	U	SD
2582,00	S3916	* 0,49 ( 6)	B	L	U	SD
2860,00	S3918	* 0,55 ( 5)	B	L	S	MG
2935,00	S3843	* 0,52 ( 24)	B	R	S	MG
2979,00	S3919	* 0,59 ( 5)	B	L	S	MG
3025,00	S3834	* 0,58 ( 7)	B	L	S	SG
3095,00	S3920	* 0,51 ( 14)	B	RR	S	MG
3137,00	S3832	* 0,59 ( 16)	B	RR	S	MG
3213,00	S3921	* 0,44 ( 8)	B	L	U	SD
3275,00	S3827	* 0,57 ( 24)	B	MR	S	LG
3331,00	S3922	* 0,48 ( 9)	B	L	U	MD
3428,00	S3923	* 0,55 ( 25)	B	R	S	MG

( 0) = antall målinger  
 "B" = bulk  
 "KK" = kerogen konsentrat  
 "MR" = meget rik  
 "R" = rik  
 "RR" = relativt rik  
 "L" = lite  
 "S" = sikker  
 "U" = usikker  
 "SG" = små gode  
 "LG" = store gode  
 "MD" = middels dårlige  
 "MG" = middels gode

TABLE 11 INTERPRETED VITRINITE REFLECTANCE  
TREND, WELL 6608/10-1.

Depth mRKB	vitronite reflectance %Rm
1000	0.33
1500	0.38
2000	0.43
2500	0.48
3000	0.53

TABLE 12 CONCENTRATION OF EXTRACTABLE ORGANIC MATTER (EOM) AND CHROMATOGRAPHICS FRACTIONS (PPM), WELL 6608/10-1.

SAMPLE NO.	DEPTH (mRKB)	TOT EOM	HYDROCARBONS			NON HYDROCARBONS		
			SAT	ARO	TOT	ASPH	NSO	TOT
S3844	2926,00	12654	734	3072	3806	5625	3223	8848
S3842	2939,00	1252				683		
S3890	3080,50	1079	89	160	249	622	209	831
S3827	3275,00	49663	2801	10250	13051	25149	11462	39911
S3899	3294,00	28333				12886		
S3815	3310,00	35145	2460	7630	10090	18276	6779	25055

**TABLE 13 NORMALISED COMPONENT GROUP COMPOSITION (%)  
OF EXTRACTED ORGANIC C15+ MATTER, WELL 6608/10-1.**

SAMPLE NO.	DEPTH (mRKB)	HYDROCARBONS			NON HYDROCARBONS		
		SAT	ARO	TOT	ASPH	NSO	TOT
S3844	2926,00	5,80	24,28	30,08	44,45	25,47	69,92
S3842	2939,00	0,00	0,00	0,00	54,55	0,00	54,55
S3890	3080,50	8,25	14,83	23,08	57,65	19,37	77,02
S3827	3275,00	5,64	20,64	26,28	50,64	23,08	73,72
S3899	3294,00	0,00	0,00	0,00	45,48	0,00	45,48
S3815	3310,00	7,00	21,71	28,71	52,00	19,29	71,29

TABLE 14 GAS CHROMATOGRAPHIC DATA FROM EXTRACT FRACTIONS, WELL 6608/10.1

SAMPLE NO.	DEPTH (mRKB)	<u>Pr</u> nC17 (A)	<u>Ph</u> nC18 (B)	<u>A</u> B	<u>Pr</u> Ph	CPI1	CPI2	MPI1	MPI2	Rc
S3844	2926,00	3,44	1,19	2,89	1,97	1,37	1,22	0,63	0,74	0,78
S3842	2939,00	1,42	0,55	2,58	1,32	1,71	1,14			
S3890	3080,50	3,18	0,59	5,39	2,80	1,01	0,97	0,51	0,54	0,71
S3827	3275,00	2,49	0,42	5,93	3,70	1,25	1,11	0,49	0,56	0,69
S3899	3294,00	2,14	0,41	5,22	6,21	1,23	0,98			
S3815	3310,00	3,31	0,41	8,07	6,31	1,38	1,20	0,61	0,70	0,77

TABLE 15 TRITERPANES FROM ION M/Z 191, WELL 6608/10-1.

DEPTH	SAMPLE NO	27A	27B	X	29B	30A	30B
2926m	S3844	95	14	27	68	220	143
3275m	S3827	105	12	21	58	227	118

DEPTH	SAMPLE NO	31A	31B	32A	32B	33A	33B
2926m	S3844	180	149	128	106	98	82
3275m	S3827	161	133	121	103	67	44

TABLE 16 STERANES FROM ION M/Z 217, WELL 6608/10-1.

DEPTH	SAMPLE NO	29e	29f	29g	29h
2926m	S3844	102	34	87	208
3275m	S3827	197	95	127	217

TABLE 17 STERANES FROM ION M/Z 218, WELL 6608/10-1.

DEPTH	SAMPLE NO	27f	27g	28f	28g	29f	29g
2926m	S3844	143	119	99	92	120	174
3275m	S3827	114	104	75	78	186	218

TABLE 18 MOLECULAR RATIOS FROM STERANE AND TERPANE MASS CHROMATOGRAMS. MATURITY AND SOURCE CHARACTERISTIC RATIOS. WELL 6608/10-1.

DEPTH	SAMPLE	27B/27A <sup>1</sup>	X/30A <sup>2</sup>	% 27 <sup>3</sup>	% 28	% 29
<u>mRKB</u>				<u>f+g</u>	<u>f+g</u>	<u>f+g</u>
2926m	S3844	0.15	0.12	35.1	25.6	39.4
3275m	S3827	0.11	0.09	28.1	19.7	52.1

- 1) 27B/27A in m/z 191.
- 2) Relative abundance of unknown (X/30A in m/z 191).
- 3) Weight % distribution of C27, C28 and C29 steranes in m/z 218 (27f+27g, 28f+28g, 29f+29g).

TABLE 19 MOLECULAR RATIOS FROM STERANE AND TERPANE MASS CHROMATOGRAMS. MATURITY RATIOS. WELL 6608/10-1.

DEPTH	SAMPLE	$\alpha\beta/\alpha\beta+\beta\alpha^a$	% 22S <sup>b</sup>	% $\beta\beta^c$	% 20S <sup>d</sup>	Ttx <sup>e</sup>
<u>mRKB</u>						
2926m	S3844	60.61	54.70	28.07	32.90	28.42
3275m	S3827	65.80	54.02	34.91	47.58	26.58

- a)  $100 \cdot 30A / (30A + 30B)$  in m/z 191.
- b)  $100 \cdot 32A / (32A + 32B)$  in m/z 191.
- c)  $100 \cdot (29f + 29g) / (29f + 29g + 29e + 29h)$  in m/z 217.
- d)  $100 \cdot 29e / (29e + 29h)$  in m/z 217.
- e)  $100 \cdot X / (X + 29B)$  in m/z 191.