U-568

TABLE OF CONTENTS

REG. 31/8-88

BA-88-1200-1

LIST OF TABLES

LIST OF FIGURES

2. INTRODUCTION

This report comprises the results from geochemical analysis of 86 SWCs and CCs. Extraction and group type separation has been carried out by Geochem Laboratories (Chester, UK), vitrinite reflectance, visual kerogen, elemental analysis and Spore Colour Indices (SCI) have been analysed by Robertson Research (North Wales, UK). All pyrolysis, gas chromatographic analysis of saturated and aromatic hydrocarbons and interpretation and compilation of this report is undertaken by Norsk Hydro Research Center, Bergen, Norway.

Table 3.1 **VITRINITE REFLECTANCE DATA WELL 7219/9-1**
Average values

Depth	Population I	Population II	Population III	SCI
507.00	0.37			4
540.00				4
595.00	0.37			4
640.00				4
680.00	0.45			4
700.00				4
824.00	0.40			4
914.00				4
1020.00	0.39			4
1122.00				4
1209.00	0.43			4
1285.50				4
1371.50	0.45			4
1456.00				4
1473.00	0.42			4
1520.00	0.48			5
1588.00				4
1725.00	0.50			4

Table 3.1 **VITRINITE REFLECTANCE DATA WELL 7219/9-1** (cont'd)
Average values

Depth	Population I	Population II	Population III	SCI
1749.00				4
1775.00	0.50			4
1848.00				4
1881.00				4
1901.50				4
1905.00				5
1911.00	0.60			4
1915.00				5
1919.00				5
1928.00				7
1935.00				5
1942.00				6
1949.00				5
2100.90				5
2155.50	0.61			5
2173.00	0.62			5
2192.00	0.65			6
2293.75	0.63			5
2305.00	0.65			6

Table 3.1 **VITRINITE REFLECTANCE DATA WELL 7219/9-1** (cont'd)
Average values

Depth	Population I	Population II	Population III	SCI
2307.00	0.65			5
2323.50				6
2332.50				5
2487.00				6
2497.50				6
2510.50	0.65			6
2561.50	0.65			6
2564.00				7
2670.00	0.67			7
2673.50				6
2683.00	0.69			7
2746.00	0.70 (29)			6
2991.00	0.68 (5)	0.92 (23)		8
3085.00				7
3149.00	0.84 (1)	1.09 (2)		7
3651.00	1.06 (7)	1.34 (19)	0.73 (10)	8
3727.00	1.03 (15)			8
3783.00	1.09 (19)			7
3803.00	1.14 (4)			8

Table 3.1 **VITRINITE REFLECTANCE DATA WELL 7219/9-1** (cont'd)
Average values

Depth	Population I	Population II	Population III	SCI
3879.00	1.08 (24)			7
3904.00	1.16 (23)			7
3965.00	1.23 (5)			8
3970.50	1.15 (11)			8
4007.50	1.28 (4)			8
4043.50	1.24 (3)			8
4052.50	1.29 (8)			8
4062.00				9
4153.50	1.19 (15)			8
4162.00	1.23 (13)			8
4219.00	1.22 (9)			8

Table 4.1 **SOURCE ROCK EXTRACTION DATA I WELL 7219/9-1**

Petroleum Geochemistry Group
Research Center Bergen
HYDRO

Depth(m)	EOM(mg)	EOM(%)	Hydrocarbons SAT(%)	ARO(%)	TOTAL(%)	Non Hydrocarbons NSO(%)	ASPH(%)	TOTAL(%)
507.00		0.02	21	3	24	22	54	76
540.00		0.03	26	3	29	37	34	71
595.00		0.06	11	1	12	49	39	88
640.00		0.03	20	3	22	39	38	78
680.00		0.05	42	4	46	18	36	54
700.00		0.06	11	2	12	35	53	88
824.00		0.03	18	2	20	34	46	80
914.00		0.06	15	5	19	48	32	81
1020.00		0.05	20	6	26	43	31	74
1122.00		0.05	15	3	18	35	47	82
1209.00		0.05	30	7	37	19	43	63
1285.50		0.06	36	5	41	28	31	59
1371.50		0.07	35	3	38	33	29	62
1456.00		0.04	34	5	40	17	44	60
1473.00		0.03	29	8	37	42	21	63
1520.00		0.02	32	7	39	11	50	61
1588.00		0.06	19	16	36	38	26	64
1725.00		0.04	50	6	56	23	21	44

Table 4.1 **SOURCE ROCK EXTRACTION DATA I WELL 7219/9-1** (cont'd)

Depth(m)	EOM(mg)	EOM(%)	Hydrocarbons SAT(%)	ARO(%)	TOTAL(%)	Non Hydrocarbons NSO(%)	ASPH(%)	TOTAL(%)
1749.00		0.04	56	6	62	19	19	38
1775.00		0.10	51	8	60	21	20	40
1848.00		0.28	29	11	40	35	25	60
1862.00		0.93	43	10	53	9	38	47
1881.00		0.07	63	6	70	17	13	30
1901.50		0.56	29	13	42	25	33	58
1905.00		0.06	22	8	29	40	31	71
1911.00		0.08	47	8	54	21	25	46
1915.00		0.12	19	8	26	43	31	74
1919.00		0.05	28	7	35	20	46	65
1949.00		0.04	42	18	60	12	28	40
1993.00		0.50	80	11	91	7	2	9
2012.00		0.13	77	10	88	7	5	12
2076.00		0.55	74	13	87	9	4	13
2100.90		0.12	49	20	69	16	15	31
2144.00		0.11	72	8	80	8	12	20
2151.00		0.15	71	5	76	11	13	24
2153.50		0.16	68	8	76	11	13	24
2155.50		0.13	62	9	71	16	13	29

Table 4.1 **SOURCE ROCK EXTRACTION DATA I WELL 7219/9-1** (cont'd)

Petroleum Geochemistry Group
Research Center Bergen
HYDRO

Depth(m)	EOM(mg)	EOM(%)	Hydrocarbons SAT(%)	ARO(%)	TOTAL(%)	Non Hydrocarbons NSO(%)	ASPH(%)	TOTAL(%)
2159.00		0.22	74	8	82	11	7	18
2163.00		0.10	63	7	70	18	12	30
2173.00		0.05	34	14	48	36	16	52
2192.00		0.04	15	10	25	51	24	75
2258.50		0.31	52	5	57	12	31	43
2262.00		0.20	60	6	66	7	27	34
2293.75		0.22	21	17	38	35	27	62
2298.00		0.05	28	3	31	29	40	69
2305.00		0.04	44	3	47	35	18	53
2307.00		0.05	41	7	48	33	19	52
2311.50		0.11	21	2	23	34	43	77
2323.50		0.08	35	6	41	24	35	59
2332.50		0.03	30	7	37	38	25	63
2487.00		0.10	6	8	14	45	41	86
2497.50		0.05	41	5	46	26	29	54
2510.50		0.06	14	13	27	43	30	73
2561.50		0.13	15	14	28	30	42	72
2564.00		0.16	34	11	45	47	8	55
2670.00		0.06	16	16	32	33	35	68

Table 4.1 **SOURCE ROCK EXTRACTION DATA I WELL 7219/9-1** (cont'd)

Depth(m)	EOM(mg)	EOM(%)	Hydrocarbons SAT(%)	ARO(%)	TOTAL(%)	Non Hydrocarbons NSO(%)	ASPH(%)	TOTAL(%)
2673.50		0.15	18	11	29	35	36	71
2683.00		0.20	23	15	38	20	42	62
2746.00		0.09	26	24	50	22	28	50
2756.00		0.01	14	8	22	49	29	78
2917.00		0.02	28	4	32	43	25	68
2942.00		0.05	34	11	45	29	25	55
3053.00		0.03	34	5	39	29	31	61
3803.00		0.10	51	8	59	22	19	41
3879.00	2.90	0.07					62	62
3904.00	7.00	0.10					73	73
3965.00		0.04	28	4	32	44	24	68
3970.50		0.06	52	8	60	28	12	40
4007.50		0.08	47	6	53	30	16	47
4043.50		0.03	35	10	44	35	21	56
4052.50		0.08	43	6	49	41	9	51
4162.00		0.06	35	5	40	53	7	60

Table 4.2 **SOURCE ROCK EXTRACTION DATA II WELL 7219/9-1**

Petroleum Geochemistry Group
Research Center Bergen
HYDRO

Depth(m)	TOC (%)	EOM(%)/TOC(%)	SAT(%)/TOC(%)	SAT(%)/ARO(%)	HC/non HC
507.00	1.17	0.02	18.32	7.79	0.32
540.00	0.85	0.03	30.96	9.17	0.41
595.00	0.99	0.06	11.20	9.64	0.14
640.00	0.74	0.03	26.39	6.60	0.29
680.00	0.85	0.06	49.40	9.35	0.87
700.00	0.78	0.07	13.59	6.50	0.14
824.00	0.80	0.03	22.16	8.32	0.25
914.00	0.87	0.07	16.78	3.12	0.24
1020.00	0.50	0.10	40.90	3.60	0.35
1122.00	0.73	0.07	20.55	4.50	0.22
1209.00	0.83	0.06	36.41	4.26	0.60
1285.50	0.69	0.08	52.80	7.23	0.71
1371.50	1.02	0.07	34.17	10.63	0.62
1456.00	0.58	0.07	59.43	6.75	0.66
1473.00	1.02	0.03	28.26	3.68	0.58
1520.00	0.95	0.02	33.35	4.25	0.64
1588.00	1.09	0.05	17.65	1.17	0.56
1725.00	0.94	0.04	53.19	8.22	1.28

Table 4.2 **SOURCE ROCK EXTRACTION DATA II WELL 7219/9-1** (cont'd)

Depth(m)	TOC (%)	EOM(%)/TOC(%)	SAT(%)/TOC(%)	SAT(%)/ARO(%)	HC/non HC
1749.00	0.70	0.05	79.73	9.10	1.63
1775.00	1.02	0.10	50.08	6.06	1.47
1848.00	2.95	0.09	9.81	2.71	0.66
1862.00	1.92	0.48	22.41	4.45	1.11
1881.00	0.28	0.24	226.71	9.97	2.32
1901.50	9.05	0.06	3.18	2.27	0.71
1905.00	1.30	0.04	16.82	2.87	0.42
1911.00	1.10	0.07	42.54	6.24	1.19
1915.00	1.88	0.06	9.93	2.45	0.36
1919.00	0.75	0.07	36.71	3.92	0.53
1949.00	0.29	0.12	145.69	2.37	1.51
1993.00	0.58	0.86	137.38	7.26	9.70
2012.00	0.13	1.02	594.85	7.48	7.11
2076.00	0.91	0.60	81.74	5.85	6.75
2100.90	0.70	0.16	69.37	2.38	2.22
2144.00				9.04	3.97
2151.00	1.48	0.10	48.07	13.37	3.25
2153.50	0.93	0.17	73.15	8.80	3.13
2155.50	0.91	0.14	67.78	6.62	2.45

Table 4.2 **SOURCE ROCK EXTRACTION DATA II WELL 7219/9-1** (cont'd)

Depth(m)	TOC (%)	EOM(%)/TOC(%)	SAT(%)/TOC(%)	SAT(%)/ARO(%)	HC/non HC
2159.00	1.07	0.21	69.59	9.33	4.69
2163.00	0.29	0.33	217.24	8.96	2.34
2173.00	1.75	0.03	19.66	2.52	0.93
2192.00	1.28	0.03	11.47	1.45	0.33
2258.50				10.11	1.33
2262.00				9.62	1.94
2293.75	12.52	0.02	1.70	1.26	0.62
2298.00				9.55	0.46
2305.00	0.34	0.12	129.50	14.82	0.89
2307.00	0.36	0.14	115.22	6.22	0.93
2311.50				10.21	0.29
2323.50	0.47	0.16	75.51	6.43	0.70
2332.50	0.29	0.11	103.24	4.42	0.58
2487.00	1.65	0.06	3.65	0.73	0.17
2497.50	0.47	0.12	86.55	8.23	0.84
2510.50	1.61	0.03	8.90	1.15	0.37
2561.50	2.67	0.05	5.44	1.07	0.39
2564.00	0.47	0.33	71.30	3.01	0.81
2670.00	1.59	0.04	10.11	0.98	0.48

Table 4.2 **SOURCE ROCK EXTRACTION DATA II WELL 7219/9-1** (cont'd)

Petroleum Geochemistry Group
Research Center Bergen
HYDRO

Depth(m)	TOC (%)	EOM(%)/TOC(%)	SAT(%)/TOC(%)	SAT(%)/ARO(%)	HC/non HC
2673.50	1.53	0.10	11.58	1.60	0.40
2683.00	3.68	0.06	6.31	1.52	0.63
2746.00	1.33	0.07	19.50	1.09	0.99
2756.00				1.77	0.28
2917.00				6.21	0.47
2942.00				3.10	0.83
3053.00				6.20	0.65
3803.00	1.85	0.06	27.58	6.06	1.47
3879.00	7.18	0.01			
3904.00	11.44	0.01			
3965.00	0.51	0.08	55.18	7.00	0.47
3970.50	1.83	0.03	28.16	6.16	1.49
4007.50	0.80	0.10	59.07	7.81	1.14
4043.50	1.02	0.03	33.86	3.49	0.80
4052.50	1.19	0.07	36.14	7.03	0.97
4162.00	0.84	0.08	41.75	7.23	0.66

Table 4.3 **SATURATED FRAC., MOLECULAR RATIOS WELL 7219/9-1**

Petroleum Geochemistry Group
Research Center Bergen
HYDRO

Depth	Pr/n-C17	Pr/Ph	CPI-I	CPI-II	n-C15+/Total	n-C20/n-C25
540.00	0.78	1.60	0.91	1.27		
595.00	1.18	1.84	1.82	1.52		
640.00		2.85	0.70	1.06		
680.00			0.73	1.06		
700.00	0.83	1.66	0.57	0.73		
824.00	0.93	1.29	1.60	1.10		
914.00	1.29	1.67	1.08	0.89		
1122.00	0.94	1.88	1.27	1.12		
1285.50		0.50	0.95	1.06		
1371.50	1.31	2.40	1.27	1.13		
1456.00	0.90	2.32	0.73	1.10		
1473.00	0.97	2.54	1.25	1.25		
1520.00			0.71	1.07		
1588.00	1.04	2.51	1.29	1.30		
1725.00	0.81	1.23	0.73	0.97		
1749.00	0.53	1.53	1.00	0.97		
1775.00		0.73	0.97	1.09		
1848.00	0.57	1.48	0.62	0.96		

Table 4.3 **SATURATED FRAC., MOLECULAR RATIOS WELL 7219/9-1** (cont'd)

Depth	Pr/n-C17	Pr/Ph	CPI-I	CPI-II	n-C15+/Total	n-C20/n-C25
1862.00	0.40	0.89	1.20	0.88		
1881.00	0.53	1.36	1.24	1.11		
1901.50	1.87	3.58	1.28	1.31		
1905.00	0.76	2.19	1.24	1.12		
1911.00	0.66	2.10	1.27	1.25		
1915.00	0.80	2.64	1.26	1.34		
1919.00	0.67	2.00	1.16	1.19		
2144.00	0.89	1.58	0.98	1.01		
2151.00	0.71	1.89	1.11	1.03		
2153.50	0.81	1.58	1.00	0.95		
2155.50	0.54	1.59	1.16	1.10		
2159.00	0.77	1.69	1.02	1.00		
2163.00	0.89	1.44	1.14	1.05		
2173.00	0.89	3.10	1.02	1.06		
2192.00	0.79	2.70	0.76	1.02		
2258.50	0.87	1.37	1.04	1.07		
2262.00	0.74	1.20	1.00	1.05		
2293.75	0.89	5.25	1.22	1.24		
2298.00	0.64	1.41	1.06	1.00		

Table 4.3 **SATURATED FRAC., MOLECULAR RATIOS WELL 7219/9-1** (cont'd)

Depth	Pr/n-C17	Pr/Ph	CPI-I	CPI-II	n-C15+/Total	n-C20/n-C25
2305.00	0.63	1.54	0.97	0.97		
2307.00	0.72	1.76	0.96	1.02		
2311.50	0.51	1.26	0.96	1.08		
2323.50	0.56	1.47	0.98	0.95		
2332.50	0.76	1.96	1.03	1.02		
2487.00	0.90	2.59	1.09	1.08		
2497.50	0.74	1.56	1.02	1.05		
2510.50	0.77	2.38	1.02	1.03		
2561.50	0.88	3.26	1.17	1.09		
2564.00	0.41	1.19	0.41	0.44		
2670.00	0.68	1.94	1.06	1.02		
3879.00	0.20	1.80	1.00	1.10		
3904.00	0.20	1.70	1.10	1.00		

Table 5.1 **SOURCE ROCK SCREENING DATA WELL 7219/9-1**

Petroleum Geochemistry Group
Research Center Bergen
HYDRO

Depth (m)	%	Lithology	Sample	S1 Kg/t	S2 Kg/t	S3 Kg/t	TOC %	HI	OI	PI	Tmax Deg.c	Company
507.00		CLYST	SWC	0.0	0.6	2.0	1.2	50	175	0.02	436	F-BG
540.00		CLYST	SWC	0.0	0.4	3.5	0.9	49	407	0.00	439	F-BG
595.00		CLYST	SWC	0.0	0.7	1.6	1.0	67	159	0.04	440	F-BG
640.00		CLYST	SWC	0.0	0.5	0.3	0.7	65	41	0.04	431	F-BG
680.00		CLYST	SWC	0.0	0.6	2.4	0.9	76	279	0.03	436	F-BG
700.00		CLYST	SWC	0.0	0.6	1.4	0.8	73	173	0.03	435	F-BG
824.00		CLYST	SWC	0.1	1.1	0.1	0.8	138	15	0.05	432	F-BG
914.00		CLYST	SWC	0.0	0.9	1.7	0.9	107	195	0.03	438	F-BG
1020.00		CLYST	SWC	0.0	0.6		0.5	130		0.04	432	F-BG
1122.00		MDST	SWC	0.1	0.8	0.4	0.7	115	62	0.06	435	F-BG
1209.00		CLYST	SWC	0.1	1.1	0.1	0.8	131	16	0.06	437	F-BG
1285.50		CLYST	SWC	0.1	1.1	0.1	0.7	154	17	0.08	429	F-BG
1371.50		CLYST	SWC	0.1	1.4	0.1	1.0	140	6	0.07	432	F-BG
1456.00		CLYST	SWC	0.0	0.6	0.1	0.6	97	10	0.02	494	F-BG
1473.00		CLYST	SWC	0.0	0.8	0.1	1.0	82	8	0.03	433	F-BG
1520.00		CLYST	SWC	0.0	0.7	0.1	0.9	69	8	0.03	432	F-BG
1588.00		CLYST	SWC	0.0	0.9	1.2	1.1	81	109	0.03	435	F-BG
1725.00		CLYST	SWC	0.3	1.0	0.3	0.9	106	37	0.25	435	F-BG

Table 5.1 **SOURCE ROCK SCREENING DATA WELL 7219/9-1** (cont'd)

Depth (m)	%	Lithology	Sample	S1 Kg/t	S2 Kg/t	S3 Kg/t	TOC %	HI	OI	PI	Tmax Deg.c	Company
1749.00		CLYST	SWC	0.2	0.6	1.7	0.7	79	244	0.29	454	F-BG
1775.00		CLYST	SWC	0.4	1.6	0.2	1.0	155	22	0.19	487	F-BG
1848.00		CLYST	SWC	0.6	2.5	0.5	3.0	83	18	0.20	441	F-BG
1862.00		SLST/CLYST	SWC	5.6	4.3	1.0	1.9	225	51	0.56	450	F-BG
1881.00		MDST	SWC	0.0	0.1	0.3	0.3	39	100	0.27	453	F-BG
1901.50		CLYST	SWC	2.5	28.9	0.4	9.1	320	5	0.08	441	F-BG
1905.00		CLYST	SWC	0.3	1.5	0.4	1.3	112	33	0.17	441	F-BG
1911.00		CLYST	SWC	0.4	1.6	1.5	1.1	145	138	0.20	443	F-BG
1915.00		CLYST	SWC	0.3	2.0	0.4	1.9	105	22	0.14	443	F-BG
1919.00		MDST	SWC	0.2	0.9	0.6	0.8	119	77	0.16	446	F-BG
1928.00		MDST	CORE	0.1	0.6	0.0	0.8	77	5	0.14	439	F-BG
1935.00		MDST	CORE	0.1	0.4	0.1	0.7	60	12	0.18	438	F-BG
1942.00		MDST	CORE	0.1	0.5	0.0	0.1	815	15	0.18	437	F-BG
1949.00		MDST	CORE	0.1	0.1	0.0	0.3	41	0	0.33	429	F-BG
1993.00		SST	CORE	3.7	0.8	0.1	0.6	129	17	0.83	426	F-BG
2012.00		SST	CORE	0.6	0.1	0.1	0.1	38	54	0.93	393	F-BG
2046.00		SST	CORE	1.5	0.1	0.2	0.2	25	79	0.96	405	F-BG
2076.00		SST	CORE	4.3	1.2	0.1	0.9	131	10	0.78	434	F-BG
2100.90		SST	CORE	0.3	0.8	0.1	0.7	109	17	0.28	443	F-BG

Table 5.1 **SOURCE ROCK SCREENING DATA WELL 7219/9-1** (cont'd)

Depth (m)	%	Lithology	Sample	S1 Kg/t	S2 Kg/t	S3 Kg/t	TOC %	HI	OI	PI	Tmax Deg.c	Company
2151.00		SST	SWC	7.5	0.7	3.9	1.5	45	262	0.92	419	F-BG
2153.50		SST	SWC	4.0	0.4	2.6	0.9	48	276	0.90	425	F-BG
2155.50		MDST	SWC	2.0	1.0	1.3	0.9	111	147	0.66	440	F-BG
2159.00		SST	SWC	3.4	0.6	2.0	1.1	58	185	0.85	423	F-BG
2163.00		SST	SWC	1.0	0.2	2.5	0.3	52	866	0.86	392	F-BG
2173.00		MDST	SWC	0.4	3.1	0.5	1.8	178	27	0.13	447	F-BG
2192.00		MDST	SWC	0.2	1.3	0.6	1.3	101	49	0.13	446	F-BG
2293.75		MDST	SWC	2.8	48.1	0.2	12.5	384	2	0.06	445	F-BG
2305.00		MDST	SWC	0.1	0.3	9.7	0.3	94	2856	0.18	471	F-BG
2307.00		MDST	SWC	0.1	0.6	0.3	0.4	153	72	0.08	447	F-BG
2323.50		CLYST	SWC	0.0	0.5	0.2	0.5	109	51	0.07	451	F-BG
2332.50		MDST	SWC	0.0	0.1	4.9	0.3	45	1707	0.13	458	F-BG
2487.00		CLYST	SWC	0.2	1.2	2.3	1.6	75	140	0.12	451	F-BG
2497.50		MDST	SWC	0.2	0.4	0.4	0.5	83	83	0.29	447	F-BG
2510.50		CLYST	SWC	0.2	1.2	0.8	1.6	77	52	0.13	452	F-BG
2561.50		CLYST	SWC	0.5	4.1	0.8	2.7	152	29	0.11	445	F-BG
2564.00		SLST/SST	SWC	0.1	0.4	0.3	0.5	79	72	0.16	449	F-BG
2670.00		MDST	SWC	0.2	1.4	2.1	1.6	86	131	0.14	448	F-BG
2673.50		MDST	SWC	0.3	1.4	2.1	1.5	92	137	0.16	446	F-BG

Table 5.1 **SOURCE ROCK SCREENING DATA WELL 7219/9-1** (cont'd)

Depth (m)	%	Lithology	Sample	S1 Kg/t	S2 Kg/t	S3 Kg/t	TOC %	HI	OI	PI	Tmax Deg.c	Company
2683.00		MDST	SWC	0.6	4.1	0.4	3.7	111	12	0.13	448	F-BG
2746.00		SH	CORE	0.2	0.2	0.3	1.3	13	20	0.47	451	F-BG
2991.00		SLST	SWC	0.2	0.5	0.2	0.6	71	37	0.26	456	F-BG
3085.00		MDST	SWC	0.5	3.3	0.3	2.0	164	14	0.13	450	F-BG
3149.00		MDST	SWC	1.5	1.6	0.2	0.9	168	17	0.49	450	F-BG
3651.00		MDST	SWC	0.2	0.6	0.0	1.8	34	0	0.28	484	F-BG
3727.00		SST	SWC	0.0	0.0	0.0	0.1	50	33	0.00	496	F-BG
3783.00		MDST	SWC	0.2	0.5	0.3	1.8	26	14	0.24	485	F-BG
3803.00		MDST	SWC	0.3	0.6	0.0	1.9	32	1	0.35	486	F-BG
3879.00		MDST	SWC	0.8	3.4	0.1	7.2	48	1	0.20	483	F-BG
3904.00		MDST	SWC	0.9	8.5	0.1	11.4	74	1	0.09	481	F-BG
3965.00		MDST	SWC	0.1	0.2	0.5	0.5	29	102	0.40	478	F-BG
3970.50		MDST	SWC	0.5	0.7	0.2	1.8	40	8	0.41	489	F-BG
4007.50		MDST	SWC	0.3	0.1	0.5	0.8	15	65	0.68	468	F-BG
4043.50		MDST	SWC	0.1	0.4	0.0	1.0	42	4	0.22	474	F-BG
4052.50		MDST	SWC	0.2	0.3	0.1	1.2	26	5	0.38	498	F-BG
4062.00		MDST	SWC	0.1	0.1	0.3	0.9	11	30	0.38	477	F-BG
4095.00			DC	0.1	0.3	0.2	0.9	41	28	0.17	469	F-BG
4153.50		MDST	SWC	0.1	0.2	0.3	0.9	20	29	0.22	503	F-BG

Table 5.1 **SOURCE ROCK SCREENING DATA WELL 7219/9-1** (cont'd)

Depth (m)	%	Lithology	Sample	S1 Kg/t	S2 Kg/t	S3 Kg/t	TOC %	HI	OI	PI	Tmax Deg.c	Company
4162.00		MDST	SWC	0.0	0.2	0.1	0.8	29	10	0.11	506	F-BG
4219.00		MDST	SWC	0.1	0.3	0.0	1.2	25	1	0.15	512	F-BG

Tab. 5.2.: TOC measurements.

DEPTH m	%TOC RE	%TOC RE	%TOC LECO	%TOC LECO	%TOC LECO	%TOC MEAN	%TOC GEOCHEM
507.00	1.13		1.18	1.19		1.17	1.28
540.00	0.81		0.85	0.88		0.85	0.86
595.00	0.95		1.01	1.01		0.99	1.05
640.00	0.70	0.74	0.78	0.75		0.74	0.77
680.00		0.86	0.84	0.86		0.85	0.88
700.00	0.77	0.81	0.76	0.76		0.78	0.83
824.00	0.79	0.84	0.79	0.77		0.80	0.85
914.00	0.84	0.91	0.88	0.87		0.87	0.85
1020.00	0.47	0.53	0.50	0.50		0.50	0.50
1122.00	0.71	0.72	0.74	0.73		0.73	0.76
1209.00	0.81	0.84	0.83	0.84		0.83	0.81
1285.50	0.64	0.66	0.74	0.72		0.69	0.70
1371.50	0.97	1.08	1.00	1.03		1.02	1.03
1456.00	0.55	0.61	0.58	0.59		0.58	0.65
1473.00	0.99	0.93	1.07	1.10		1.02	1.12
1520.00	0.91	0.98	0.92	0.97		0.95	0.97
1588.00	1.02	1.12	1.11	1.11		1.09	1.13
1725.00	0.91	0.94	0.95	0.95		0.94	0.95
1749.00		0.69	0.71	0.71		0.70	0.80
1775.00	1.01	1.04	1.01	1.00		1.02	1.01
1848.00	2.79	2.91	3.05	3.03		2.95	2.91
1862.00	1.79	1.87	2.01	2.01		1.92	0.85
1881.00	0.25	0.26	0.31	0.31		0.28	0.35
1901.50	9.04	8.95	8.95	9.25		9.05	11.90
1905.00	1.21	1.30	1.40	1.30		1.30	1.24
1911.00	1.03	1.08	1.15	1.13		1.10	1.12
1915.00	1.79	1.82	1.96	1.94		1.88	1.91
1919.00	0.71	0.75	0.78	0.77		0.75	0.71
1928.00	0.65		0.84	0.84		0.78	
1935.00	0.59		0.72	0.71		0.67	
1942.00	0.49		0.74	0.73		0.65	
1949.00	0.23		0.31	0.33		0.29	0.43
1993.00	0.41	0.43	0.76	0.71		0.58	0.13
2012.00	0.08		0.15	0.15		0.13	0.04
2046.00	0.16		0.29	0.26		0.24	0.39
2076.00	0.82		0.95	0.96		0.91	
2100.90	0.67		0.70	0.74		0.70	0.69
2144.00							0.51
2151.00	1.44		1.53	1.47		1.48	0.05
2153.50	0.86		1.01	0.92		0.93	0.14
2155.50	0.82		0.94	0.96		0.91	1.33
2159.00	0.78		1.40	1.02		1.07	0.06
2163.00	0.23		0.32	0.31		0.29	0.18
2173.00	1.98		1.63	1.64		1.75	1.45
2192.00	1.24		1.31	1.30		1.28	1.27
2262.00							0.07
2293.75	12.99		12.28	12.30		12.52	11.20
2305.00	0.32		0.35	0.35		0.34	0.98
2307.00	0.35		0.36	0.37		0.36	0.36
2311.50							0.12
2323.50	0.46		0.48	0.48		0.47	0.53
2332.50	0.25		0.30	0.31		0.29	0.50
2487.00	1.62		1.72	1.62		1.65	1.45
2497.50	0.46		0.49	0.47		0.47	0.54
2510.50	1.62		1.63	1.59		1.61	1.41
2561.50	2.65		2.71	2.65		2.67	2.47
2564.00	0.45		0.49	0.46		0.47	0.31
2670.00	1.60		1.59	1.58		1.59	1.89
2673.50	1.52		1.54	1.54		1.53	1.47
2683.00	3.65		3.71	3.68		3.68	3.31
2746.00	1.12		1.44	1.42		1.33	1.90
2756.00							0.67
2917.00							0.09
2942.00							0.51
2991.00	0.65		0.65	0.72	0.59	0.65	
3053.00							0.15
3085.00	2.06		1.99	1.99		2.01	
3149.00	0.94		0.95	0.90		0.93	
3651.00	1.78		1.81	1.75		1.78	
3727.00	0.01		0.09	0.08		0.06	
3783.00	2.02		1.74	1.72		1.83	
3803.00	1.73		1.94	1.88		1.85	1.91
3879.00			6.89	7.27	7.38	7.18	
3904.00			11.84	11.39	11.09	11.44	
3965.00			0.55	0.47		0.51	0.43
3970.50	1.21		2.21	2.07		1.83	1.97
4007.50	0.79		0.89	0.72		0.80	0.82
4043.50	0.89		1.09	1.07		1.02	1.20
4052.50	0.89		1.35	1.32		1.19	1.25
4062.00	1.37		0.68	0.75		0.93	
4095.00	0.60		0.98	0.96		0.85	
4153.50	0.78		0.97	0.95		0.90	
4162.00	0.83		0.87	0.82		0.84	0.90
4219.00	1.01		1.23	1.23		1.16	

Table 5.3 **PYROLYSIS-GASCHROMATOGRAPHY DATA 7219/9-1** (cont'd)

Petroleum Geochemistry Group
Research Center Bergen
HYDRO

Depth (m)	C1 (%)	C2-C5 (%)	C1-C5 (%)	C6-C14 (%)	C15+ (%)	GORP C1-5/C6+	C1-C6 (%)	C7-C14 (%)	GOPI C1-6/C7+
2305.00	10.72	19.27	29.99	70.01	0.00	0.43			
2307.00	13.53	8.32	21.84	78.16	0.00	0.28			
2323.50	23.64	-0.22	23.42	76.58	0.00	0.31			
2487.00	17.97	8.13	26.10	40.75	33.15	0.35			
2497.50	4.57	10.56	15.13	39.33	45.54	0.18			
2510.50	16.96	8.14	25.09	45.03	29.88	0.33			
2564.00	8.01	17.69	25.70	40.19	34.11	0.35			
2683.00	13.96	8.53	22.49	49.43	28.09	0.29			
2746.00	6.20	7.79	14.00	14.29	71.71	0.16			
3803.00	8.24	5.35	13.58	28.81	57.60	0.16			
3970.50	14.12	0.80	14.92	41.17	43.91	0.18			
4043.50	16.40	-14.06	2.34	36.96	60.70	0.02			
4052.50	6.32	6.87	13.19	26.32	60.49	0.15			
4162.00	5.42	3.42	8.85	10.53	80.63	0.10			

Table 5.3 **PYROLYSIS-GASCHROMATOGRAPHY DATA 7219/9-1**

Petroleum Geochemistry Group
Research Center Bergen
HYDRO

Depth (m)	C1 (%)	C2-C5 (%)	C1-C5 (%)	C6-C14 (%)	C15+ (%)	GORP C1-5/C6+	C1-C6 (%)	C7-C14 (%)	GOPI C1-6/C7+
1020.00	0.00	40.17	40.17	46.22	13.60	0.67			
1209.00	2.74	20.62	23.36	58.86	17.78	0.30			
1371.50	1.24	15.93	17.18	57.04	25.79	0.21			
1473.00	5.50	22.83	28.33	60.47	11.20	0.40			
1588.00	2.14	22.98	25.11	59.36	15.53	0.34			
1775.00	0.00	12.24	12.24	68.84	18.92	0.14			
1848.00	17.71	20.43	38.14	5.46	56.40	0.62			
1862.00	3.69	2.49	6.17	39.72	54.11	0.07			
1881.00	2.10	31.79	33.89	66.11	0.00	0.51			
1901.50	6.15	6.77	12.92	48.07	39.01	0.15			
1905.00	3.01	10.69	13.69	57.08	29.23	0.16			
1911.00	1.71	16.33	18.03	49.58	32.39	0.22			
1915.00	0.00	10.97	10.97	54.35	34.67	0.12			
1919.00	2.37	15.22	17.59	37.81	44.60	0.21			
2155.50	2.45	5.11	7.56	53.13	39.32	0.08			
2173.00	8.09	11.81	19.90	51.64	28.46	0.25			
2192.00	22.54	5.79	28.33	71.67	0.00	0.40			
2293.75	10.92	7.82	18.74	48.32	32.94	0.23			

Tab. 5.4.: Kerogen composition.

COMPANY: NORSK HYDRO WELL: 7219/9-1 LOCATION: BARENTS SEA

Sample Depth (metres)	Palynomorphs %	Inertinite %	Vitrinite %	Amorphous (lipt.) %	Amorphous (humic) %	Cuticle %
Reference Samples						
REF.1	5 Sp	Mnr	Mnr	?80	?15	
REF.2 (1)	5 Sp, Di	5	10	?60	?20	
REF.2 (2)	Mnr Sp, Di	5	15	?40	?40	
507	5 Sp, Di	15	20		60	
540	Mnr Sp, Di	35	25	?10	30	
595	Mnr Sp, Di	25	10		65	
640	Mnr Sp	60	10		30	
680	Mnr Sp, Di	15	5		80	
700	Mnr Sp, Di	10	15		75	Mnr
824	Mnr Sp, Di	15	20		65	
914	Mnr Sp	10	15		75	
1020	Mnr Sp, Di	20	5		75	
1122	5 Sp	15	5		75	
1209	Mnr Sp	15	5		80	Mnr
1285.5	Mnr Sp, Di	15	10	?15	60	
1371.5		10	10		80	
1456	5 Sp	15	5		75	
1473	Mnr Sp, Di	15	5		80	
1520	5 Sp, Di	10	5		80	
1588	5 Sp, Di	15	5		75	
1725	10 Sp, Di	65	5		20	
1749	5 Sp, Di	90	5			
1775	5 Sp, Di	75	10		10	
1848	Mnr Sp, Di	15	10		75	
1862		10	40		50	Mnr
1881		15	10		75	
1901.5	10 Sp, Al	10	5	?75		

COMPANY: NORSK HYDRO WELL: 7219/9-1 LOCATION: BARENTS SEA

Sample Depth (metres)	Palynomorphs %	Inertinite %	Vitrinite %	Amorphous (lipt.) %	Amorphous (humic) %	Cuticle %
1905	5 Sp	10	20	?30	35	
1911	10 Sp	10	10	?20	50	
1915	Mnr Sp	20	20	Mnr	60	
1919	10 Sp	15	20		55	
1928	10 Sp	55	15		?20	
1935	5 Sp	50	25		?20	
1942	Mnr Sp	25	75			
1949	5 Sp	40	25		?30	
1993	5 Sp	35	30		?30	
2012	?10 Sp	?10	?5		- 75 INDETERMINATE -	
2046	?20 Sp	?10	?15		- 55 INDETERMINATE -	
2076	5 Sp	20	75			Mnr
2100.9	Mnr Sp	20	80			Mnr
2155.5	10 Sp	60	20		10	
2173	40 Sp	50	10			Mnr
2192	15 Sp	50	35			Mnr
2293.8	15 Sp	20	55		10	
2305	5 Sp	80	15			Mnr
2307	5 Sp	80	15			
2323.5	Mnr Sp	70	30			
2332.5	20 Sp	65	15			Mnr
2487	5 Sp	25	55		10	5
2497.5	15 Sp	75	10			
2510.5	10 Sp	70	20			
2561.5	10 Sp	60	30			
2564	10 Sp	60	30			
2670	10 Sp	65	25			
2673.5	10 Sp	55	35			Mnr
2683	15 Sp	45	40			Mnr

COMPANY: NORSK HYDRO WELL: 7219/9-1 LOCATION: BARENTS SEA

Sample Depth (metres)	Palynomorphs %	Inertinite %	Vitrinite %	Amorphous (lipt.) %	Amorphous (humic) %	Cuticle %
2746	10 Sp	80	10			
2991	5 Sp	85	10			
3085	5 Sp	40	55			Mnr
3149	5 Sp	20	30		?45	
3651	Mnr Sp	20	25		?55	
3727	Mnr Sp	15	20		?65	
3783		20	80			
3803	Mnr Sp	10	15		?75	
3879	Mnr Sp	15	65		20	
3904		15	85			
3965		25	75			
3970.5		40	60			
4007.5	5 Sp	35	60			
4043.5	Mnr Sp	40	?60			
4052.5	Mnr Sp	40	?60			
4062		?50	?50			
4153.5	Mnr Sp	?60	?40			
4162	Mnr Sp	?70	?30			
4219	5 Sp	30	65			

Abbreviations: Sp = Spores, Di = Dinocysts, Al = Algae
lipt. = liptinitic (oil-prone), Mnr = Minor (<2½%)

HYDRO

FORSKNINGSSENTERET I BERGEN

Tab. 5.5.: Elemental analysis data.

DEPTH m	C	H	N	S	Ash	O	H/C	O/C
1881.00	70.9	3.36	2.26	1.60			0.57	
1901.50	57.1	4.32	2.41	14.80	13.6	7.73	0.91	0.10
1905.00	56.1	3.67	1.52	13.40			0.79	
1911.00	68.9	4.99	2.07	4.44			0.87	
1915.00	67.8	4.15	1.96	5.85			0.73	
1919.00	58.4	9.20	2.20				1.89	
1928.00	40.0	3.34	1.17	1.37			1.00	
1935.00	24.3	2.14	0.80	9.76	22.1		1.06	
1942.00	43.1	3.03	1.36	11.77	21.1		0.84	
1949.00	47.6	3.22	1.24	18.89	27.8	19.60	0.81	0.31
2100.90	34.9	2.55	0.93	18.33	36.2	7.09	0.88	0.15
2155.50	75.2	4.11	2.01	1.58			0.66	
2173.00	80.6	5.01	1.75	0.89	2.0	9.74	0.75	0.09
2192.00	79.1	3.79	1.42	0.74			0.57	
2293.75	81.2	5.23	1.68	2.82	1.0	8.04	0.77	0.07
2305.00	80.0	3.00	2.00				0.45	
2307.00	75.7	3.37	2.14	1.04			0.53	
2487.00	78.4	4.04	1.82	0.56	2.0	13.20	0.62	0.13
2497.50	77.7	3.30	1.40	6.00			0.51	
2510.50	80.5	4.43	1.91	0.43			0.66	
2670.00	80.0	4.00	2.00				0.60	
2673.50	80.3	3.93	1.45	0.68			0.59	
2683.00	82.2	4.40	1.52	0.75			0.64	
2746.00	71.1	4.11	1.21	7.23			0.69	
2991.00	64.5	3.53	1.32	5.16			0.66	
3651.00	69.2	4.08	1.45				0.71	
3803.00	71.0	4.00	4.30				0.68	
3879.00	72.3	3.50	1.26	6.21	13.6	3.13	0.58	0.03
3904.00	69.3	4.36	1.46	0.90	1.5	22.50	0.75	0.24
3970.50	79.1	3.72	1.25	3.66			0.56	
4052.50	58.1	2.97	0.89				0.61	

Tab. 5.6.: Isotope data.

======= ISOTOPE DATA REPORT ON WELL 7219/9-1 ========================

DEPTH (M) END	SAMPLE CODE	C13 EXTR.	C13 ASPH	C13 SAT	C13 NSO
1848.0	SWC		-25.68		
1862.0	SWC	-29.06	-29.17		
1881.0	SWC		-27.42		
1901.5	SWC	-28.83	-27.44		-29.51
1911.0	SWC		-26.03	-28.35	
1915.0	SWC	-26.62	-24.77		
1993.0	CC	-29.28	-28.01		-27.87
2012.0	CC		-28.27	-28.87	
2076.0	CC	-29.67	-27.35		
2100.9	CC		-26.15	-29.10	
2746.0	CORE	-26.50	-24.59		
3803.0	SWC		-25.73		
3970.5	SWC		-26.50		
4043.5	SWC		-26.43		
4052.5	SWC		-27.27		

U-568 .3

GEOCHEMICAL REPORT

NORSK HYDRO A/S

NORWAY

7219/9-1

EXPLORATION LOGGING NORGE A/S

P.O. Box 72,

Kokstadveien 29,

5061 Kokstad,

Norway.

INTRODUCTION

Geochemical Screening using the Oil Shows Analyser (OSA) was performed on 530 cuttings samples and 193 core samples. The material was received as wet, washed cuttings and analysed as an air dried, ground powder. Five meter composite cuttings samples were collected to 1750 m, thereafter two and three meter samples were taken to total depth (TD).

APPENDIX A

SAMPLE PREPARATION
SAMPLE CONTAMINATION
DESCRIPTION OF ANALYTICAL EQUIPMENT
PRESENTATION OF RESULTS
INTERPRETATION OF OSA DERIVED PARAMETERS
ORGANIC MATTER TYPES

SAMPLE PREPARATION

Small samples of ditch cuttings are taken and thoroughly washed in cold water through a 2.36mm sieve and collected in a 180 micron sieve to remove cavings. Any large quantities of contaminants such as lost circulation material are removed at this stage. The washed material is then examined under a binocular microscope and any further contaminants removed. The samples are then air dried at room temperature to prevent the loss of 'free hydrocarbons' and then ground to a homogenous powder in preparation for pyrolysis.

SAMPLE CONTAMINATION

The effects of contamination, if unrecognized, can lead to misleading geochemical data. The major contaminants usually encountered at the wellsite include paint chips, lost circulation material (mica, nuthulls, etc.), steel fragments, and pipe dope. In the 7219/9-1 well contaminants were removed by picking at the wellsite from the pre-dried sample.

Organic mud additives, especially those used for water loss control, can also cause serious contamination problems.

Another source of contamination to be aware of is caused by migrated hydrocarbons. The presence of migrated oil or bitumen in a rock can give a major response in the vicinity of 300 degrees centigrade on the pyrogram (S1) while solid bitumen and the 'heavy end' fraction of petroleum has been found to produce a measurable response in the region 300-550 degrees centigrade. This is the same temperature range in which kerogen is cracked releasing hydrocarbons during pyrolysis. Thus large quantities of bitumen or migrated petroleum in rocks can affect the size and maximum temperature (Tmax) of the (S2) peak and cause non-source rocks to be falsely identified as source rocks as reported by Clementz (1979)*.

The problems encountered as a result of hydrocarbon contamination may be overcome by solvent extraction using a 50:50 solution of trichloroethane and acetone. As a guideline, samples with high S1 values (greater than 1.0 mgHC/g rock) are solvent extracted and reanalysed to obtain more valid values for S2 and Tmax. The S1 value obtained in the first analysis remains a useful indicator of oil accumulations, and degree of contamination. No samples were solvent extracted for 7219/9-1.

* Clementz, D. 1979, 'Effect of Oil and Bitumen Saturation on Source Rock Pyrolysis', A.A.P.G. Bull., Vol 62 (12).

DESCRIPTION OF ANALYTICAL EQUIPMENT

Principle of Operation

Small quantities of sample (approx. 100 mg) are analysed by programmed pyrolysis in an inert Helium atmosphere. Any evoled hydrocarbons are detected by a Flame Ionisation Detector. The output from this sensor provides the peak data from the S0, S1 and S2 indices. In addition, the temperature, Tmax, for maximum generation of cracked hydrocarbons is measured by a probe monitoring oven temperature.

On completion of the pyrolysis cycle the sample is transfeered to a second oven. The sample is heated in air and any carbonaceous material remaining is converted to carbon dioxide, this is detected by a thermal conductivity detector (TCD), the output of which is the S4 peak. The Oil Shows Analyser thus derives the Total Organic Carbon content from the sum of the pyrolysed carbon (S0+S1+S2) and the residual carbon (S4).

The O.S.A. used the following analytical cycle. (Also see Fig. A overleaf):-

Pyrolysis:

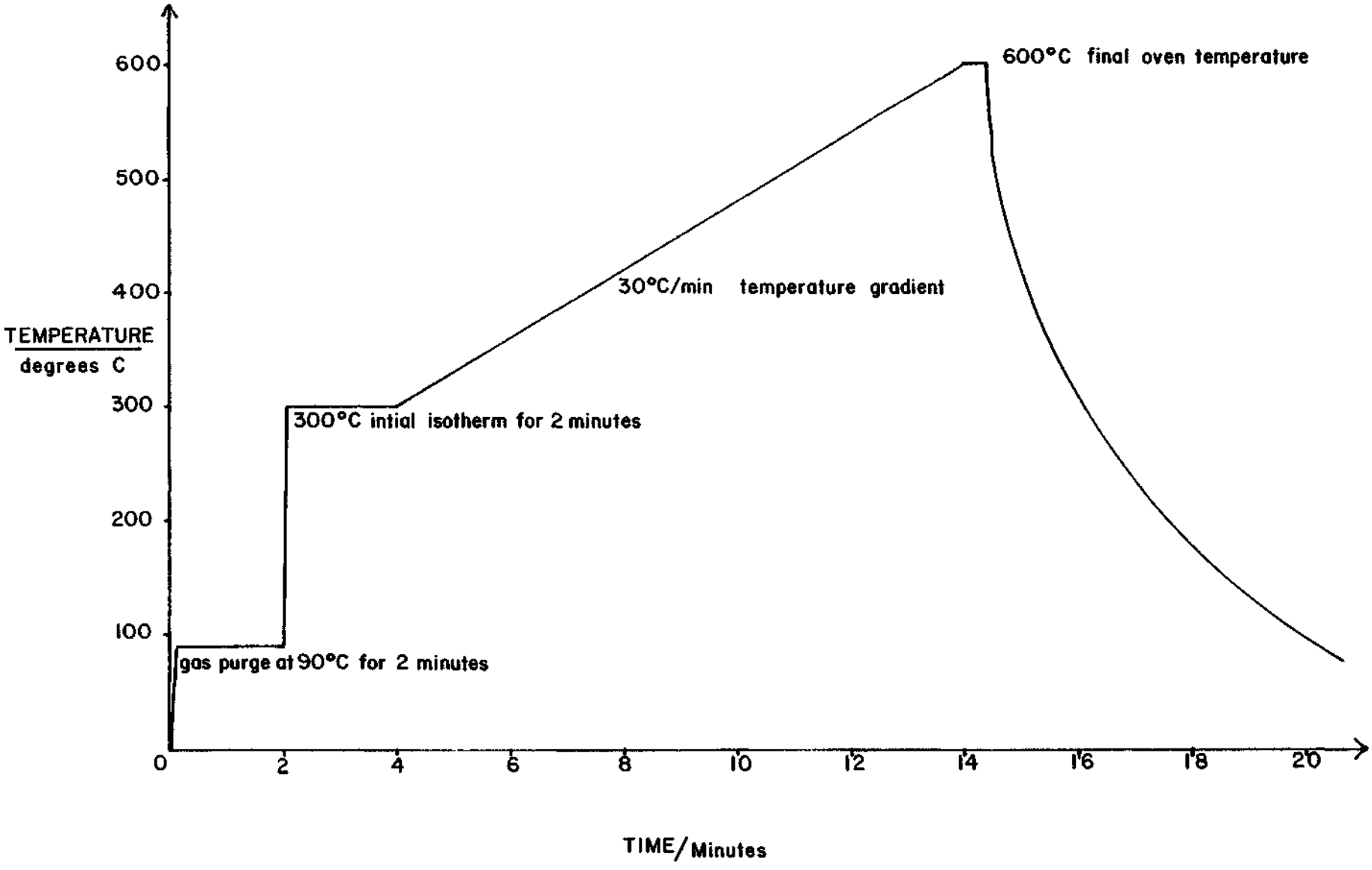
Carrier gas	:	Helium
Initial Isotherm	:	90 deg. C
Isothermal Hold	:	2 minutes
Second Isotherm	:	300 deg. C
Isothermal Hold	:	2 minutes
Temperature Ramp	:	30 deg/min
Final Temperature	:	600 deg. C

Oxidation:

Oxidation Gas	:	Air (after removal of CO2)
Oven Temperature	:	600 deg. C
Oxidation Time	:	5 minutes

The Pyrolysis Cycle Of The Oil Shows Analyzer

Fig A



The equipment was calibrated using a standard supplied by Exploration Logging Overseas, Inc. A quality control sample was run routinely every ten unknown samples, or every 24 hours if less than ten samples were analysed during this period.

PRESENTATION OF RESULTS

The processed data is expressed in terms of:-

SO	:	Low temperature gas yield (mgHC/g rock)
S1	:	Low temperature oil yield (mgHC/g rock).
S2	:	High temperature hydrocarbon yield (mgHC/g rock).
Tmax	:	Temperature at which maximum emission of hydrocarbons occurs.
T.O.C.	:	Total Organic Carbon (weight percent of whole rock) comprised of S4 (residual organic carbon) plus 82% of the quantity SO+S1+S2.
T.P.I.	:	Total Production Index (SO+S1/SO+S1+S2).
H.I.	:	Hydrogen Index (S2/TOC).

EXPLORATION LOGGING GEOCHEMICAL DATA PRINT

FOR : NORSK HYDRO A/S
WELL : 7219/9-1

Printed at : 10:26
: 11 Apr 1988

	SOURCE BED EVALUATION						FREE HYDROCARBS		
DEPTH m	TOC %wt	PC	S2 mg/g	TMAX degC	S2/TOC HI	S3/TOC OI	SO mg/g	S1 mg/g	TPI mg/g
Cuttings Samples									
730.00	.92	.07	.80	429	87	0	0.00	.05	.06
735.00	.82	.07	.80	426	98	0	0.00	.04	.05
740.00	.86	.07	.75	426	87	0	0.00	.04	.05
745.00	.80	.07	.82	422	102	0	0.00	.03	.04
750.00	.81	.06	.64	429	79	0	0.00	.04	.06
755.00	.76	.06	.66	425	87	0	0.00	.03	.04
760.00	.70	.05	.62	424	89	0	0.00	.02	.03
765.00	.73	.07	.75	423	103	0	0.00	.05	.06
770.00	.80	.07	.73	426	91	0	0.00	.13	.15
775.00	.61	.05	.60	424	98	0	0.00	.02	.03
780.00	.58	.04	.47	424	81	0	0.00	.02	.04
785.00	.63	.04	.51	423	81	0	0.00	.01	.02
790.00	.68	.05	.60	427	88	0	0.00	.05	.08
795.00	.70	.06	.70	423	100	0	0.00	.03	.04
800.00	.65	.05	.55	421	85	0	0.00	.04	.07
805.00	.65	.05	.54	419	83	0	0.00	.05	.08
810.00	.73	.05	.56	422	77	0	0.00	.08	.13
815.00	.67	.06	.62	422	93	0	0.00	.13	.17
820.00	.62	.04	.39	423	63	0	0.00	.06	.13
825.00	.65	.04	.44	419	68	0	0.00	.06	.12
830.00	.85	.06	.63	426	74	0	0.00	.07	.10
835.00	.66	.05	.54	424	82	0	0.00	.09	.14
845.00	.64	.05	.52	423	81	0	0.00	.06	.10
850.00	.63	.05	.46	425	73	0	0.00	.09	.16
855.00	.61	.05	.55	422	90	0	0.00	.07	.11
860.00	.57	.06	.65	423	114	0	0.00	.05	.07
865.00	.54	.05	.62	421	115	0	0.00	.03	.05
870.00	.70	.04	.46	429	66	0	0.00	.04	.08
875.00	.61	.05	.60	423	98	0	0.00	.06	.09
880.00	.56	.05	.60	422	107	0	0.00	.03	.05
885.00	.62	.06	.69	421	111	0	0.00	.04	.05
890.00	.68	.05	.50	423	74	0	0.00	.08	.14
895.00	.66	.08	.91	421	138	0	0.00	.04	.04
900.00	.64	.05	.59	423	92	0	0.00	.03	.05
905.00	.16	.05	.59	419	369	0	0.00	.04	.06
910.00	.74	.05	.54	425	73	0	0.00	.04	.07
915.00	.72	.06	.71	422	99	0	0.00	.03	.04
920.00	.75	.08	.89	424	119	0	0.00	.03	.03
925.00	.65	.06	.69	425	106	0	0.00	.03	.04
930.00	.67	.06	.74	424	110	0	0.00	.03	.04

EXPLORATION LOGGING GEOCHEMICAL DATA PRINT

FOR : NORSK HYDRO A/S
WELL : 7219/9-1

Printed at : 10:31
: 11 Apr 1988

	SOURCE BED EVALUATION						FREE HYDROCARBS		
DEPTH m	TOC %wt	PC	S2 mg/g	TMAX degC	S2/TOC HI	S3/TOC OI	S0 mg/g	S1 mg/g	TPI mg/g
Cuttings Samples									
935.00	.58	.05	.60	425	103	0	0.00	.03	.05
940.00	.70	.05	.63	426	90	0	0.00	.03	.05
945.00	.60	.06	.70	427	117	0	0.00	.04	.05
950.00	.62	.06	.66	427	106	0	0.00	.06	.08
955.00	.60	.07	.76	424	127	0	0.00	.03	.04
960.00	.56	.07	.76	424	136	0	0.00	.04	.05
965.00	.57	.07	.75	425	132	0	0.00	.04	.05
970.00	.83	.06	.70	431	84	0	0.00	.04	.05
975.00	.77	.08	.91	426	118	0	0.00	.04	.04
980.00	.60	.07	.76	425	127	0	0.00	.03	.04
985.00	.62	.07	.76	427	123	0	0.00	.03	.04
990.00	.73	.06	.70	426	96	0	0.00	.03	.04
995.00	.65	.08	.86	423	132	0	0.00	.06	.07
1000.00	.69	.07	.81	426	117	0	0.00	.05	.06
1005.00	.60	.07	.82	426	137	0	0.00	.04	.05
1010.00	.60	.05	.59	428	98	0	0.00	.03	.05
1015.00	.57	.07	.79	423	139	0	0.00	.03	.04
1020.00	.64	.06	.67	424	105	0	0.00	.02	.03
1025.00	.55	.06	.74	423	135	0	0.00	.02	.03
1030.00	.75	.04	.44	426	59	0	0.00	.06	.12
1035.00	.53	.05	.55	424	104	0	0.00	.01	.02
1040.00	.54	.05	.58	427	107	0	0.00	.04	.06
1045.00	.55	.05	.54	425	98	0	0.00	.02	.04
1050.00	.62	.07	.65	430	105	0	0.00	.14	.18
1055.00	.57	.05	.60	425	105	0	0.00	.02	.03
1060.00	.59	.06	.65	426	110	0	0.00	.03	.04
1065.00	.49	.05	.56	425	114	0	0.00	.05	.08
1070.00	.65	.05	.62	427	95	0	0.00	.03	.05
1075.00	.48	.05	.54	425	113	0	0.00	.06	.10
1080.00	.48	.05	.57	426	119	0	0.00	.06	.10
1085.00	.54	.05	.54	425	100	0	0.00	.07	.11
1090.00	.68	.05	.64	431	94	0	0.00	.01	.02
1095.00	.45	.05	.52	424	116	0	0.00	.08	.13
1100.00	.50	.05	.51	426	102	0	0.00	.07	.12
1105.00	.50	.05	.56	429	112	0	0.00	.06	.10
1110.00	.76	.05	.64	427	84	0	0.00	.02	.03
1115.00	.46	.04	.49	426	107	0	0.00	.04	.08
1120.00	.44	.06	.66	430	150	0	0.00	.06	.08
1125.00	.52	.05	.56	426	108	0	0.00	.09	.14
1130.00	.77	.06	.69	429	90	0	0.00	.03	.04

EXPLORATION LOGGING GEOCHEMICAL DATA PRINT

FOR : NORSK HYDRO A/S
WELL : 7219/9-1

Printed at : 10:43
: 11 Apr 1988

	SOURCE BED EVALUATION						FREE HYDROCARBS		
DEPTH m	TOC %wt	PC	S2 mg/g	TMAX degC	S2/TOC HI	S3/TOC OI	S0 mg/g	S1 mg/g	TPI mg/g
Cuttings Samples									
1135.00	.56	.05	.58	427	104	0	0.00	.06	.09
1140.00	.56	.05	.53	424	95	0	0.00	.06	.10
1145.00	.54	.06	.68	426	126	0	0.00	.05	.07
1150.00	.80	.06	.71	429	89	0	0.00	.03	.04
1155.00	.59	.05	.50	424	85	0	0.00	.09	.15
1160.00	.51	.04	.46	424	90	0	0.00	.07	.13
1165.00	.50	.05	.46	423	92	0	0.00	.15	.25
1170.00	.62	.05	.57	429	92	0	0.00	.03	.05
1175.00	.56	.06	.59	423	105	0	0.00	.12	.17
1180.00	.55	.05	.51	422	93	0	0.00	.09	.15
1185.00	.53	.05	.56	423	106	0	0.00	.10	.15
1190.00	.86	.10	1.08	423	126	0	0.00	.08	.07
1195.00	.75	.07	.68	421	91	0	0.00	.14	.17
1200.00	.74	.09	1.03	422	139	0	0.00	.06	.06
1205.00	.75	.07	.80	422	107	0	0.00	.05	.06
1210.00	.78	.08	.89	426	114	0	0.00	.06	.06
1215.00	.70	.07	.81	425	116	0	0.00	.04	.05
1220.00	.63	.06	.64	423	102	0	0.00	.04	.06
1225.00	.72	.06	.65	422	90	0	0.00	.05	.07
1230.00	.70	.07	.75	422	107	0	0.00	.05	.06
1235.00	.69	.06	.64	422	93	0	0.00	.04	.06
1240.00	.75	.09	.99	424	132	0	0.00	.05	.05
1245.00	.88	.09	.98	426	111	0	0.00	.06	.06
1250.00	.86	.09	.98	429	114	0	0.00	.05	.05
1255.00	.89	.11	1.19	425	134	0	0.00	.08	.06
1260.00	.93	.10	1.16	427	125	0	0.00	.06	.05
1265.00	.76	.08	.98	425	129	0	0.00	.04	.04
1270.00	.70	.06	.73	428	104	0	0.00	.04	.05
1275.00	.63	.05	.58	427	92	0	0.00	.03	.05
1280.00	.65	.04	.49	428	75	0	0.00	.03	.06
1285.00	.64	.05	.58	425	91	0	0.00	.05	.08
1290.00	.65	.05	.63	425	97	0	0.00	.03	.05
1295.00	.63	.05	.54	425	86	0	0.00	.05	.08
1300.00	.65	.05	.54	424	83	0	0.00	.05	.08
1305.00	.64	.06	.63	426	98	0	0.00	.05	.07
1310.00	.69	.06	.73	427	106	0	0.00	.04	.05
1315.00	.65	.08	.82	427	126	0	0.00	.10	.11
1320.00	.65	.07	.85	426	131	0	0.00	.05	.06
1325.00	.63	.07	.85	428	135	0	0.00	.04	.04
1330.00	.67	.09	1.00	426	149	0	0.00	.06	.06

EXPLORATION LOGGING GEOCHEMICAL DATA PRINT

FOR : NORSK HYDRO A/S
WELL : 7219/9-1

Printed at : 10:48
: 11 Apr 1988

	SOURCE BED EVALUATION						FREE HYDROCARBS		
DEPTH m	TOC %wt	PC	S2 mg/g	TMAX degC	S2/TOC HI	S3/TOC OI	S0 mg/g	S1 mg/g	TPI mg/g
Cuttings Samples									
1335.00	.67	.08	.94	428	140	0	0.00	.04	.04
1340.00	.65	.08	.87	425	134	0	0.00	.05	.05
1345.00	.67	.07	.83	427	124	0	0.00	.03	.03
1350.00	.67	.07	.80	428	119	0	0.00	.05	.06
1355.00	.65	.07	.82	426	126	0	0.00	.03	.04
1360.00	.63	.06	.75	428	119	0	0.00	.02	.03
1365.00	.58	.05	.54	426	93	0	0.00	.03	.05
1370.00	.57	.05	.60	430	105	0	0.00	.03	.05
1375.00	.71	.06	.73	427	103	0	0.00	.04	.05
1380.00	.74	.08	.88	425	119	0	0.00	.04	.04
1385.00	.71	.07	.77	426	108	0	0.00	.04	.05
1390.00	.71	.07	.78	430	110	0	0.00	.03	.04
1395.00	.67	.07	.81	421	121	0	0.00	0.00	0.00
1400.00	.61	.04	.47	425	77	0	0.00	.02	.04
1405.00	.61	.04	.50	424	82	0	0.00	.02	.04
1410.00	.65	.05	.55	427	85	0	0.00	.07	.11
1415.00	.70	.05	.56	423	80	0	0.00	.03	.05
1420.00	.86	.07	.86	430	100	0	0.00	.03	.03
1425.00	.70	.05	.58	428	83	0	0.00	.07	.11
1430.00	.37	.02	.26	0	70	0	0.00	0.00	0.00
1435.00	.43	.03	.38	423	88	0	0.00	.02	.05
1440.00	.33	.01	.15	423	45	0	0.00	.03	.17
1445.00	.40	.03	.28	424	70	0	0.00	.03	.10
1450.00	.55	.04	.49	427	89	0	0.00	.03	.06
1455.00	.49	.04	.42	424	86	0	0.00	.02	.05
1460.00	.56	.03	.36	423	64	0	0.00	.03	.08
1465.00	.58	.03	.34	424	59	0	0.00	.01	.03
1470.00	.65	.02	.26	427	40	0	0.00	0.00	0.00
1475.00	.66	.02	.26	425	39	0	0.00	.01	.04
1480.00	.94	.05	.56	430	60	0	0.00	0.00	0.00
1485.00	.80	.04	.42	429	53	0	0.00	.01	.02
1490.00	.82	.04	.45	428	55	0	0.00	0.00	0.00
1495.00	.83	.04	.47	428	57	0	0.00	0.00	0.00
1500.00	.88	.05	.59	430	67	0	0.00	.03	.05
1505.00	1.04	.06	.66	431	63	0	0.00	.02	.03
1510.00	.98	.05	.60	432	61	0	0.00	0.00	0.00
1515.00	1.04	.05	.63	431	61	0	0.00	.01	.02
1520.00	1.02	.05	.55	429	54	0	0.00	.01	.02
1525.00	1.03	.04	.50	431	49	0	0.00	.02	.04
1530.00	.97	.04	.50	431	52	0	0.00	0.00	0.00

EXPLORATION LOGGING GEOCHEMICAL DATA PRINT

FOR : NORSK HYDRO A/S
WELL : 7219/9-1

Printed at : 10:52
: 11 Apr 1988

	SOURCE BED EVALUATION						FREE HYDROCARBS		
DEPTH m	TOC %wt	PC	S2 mg/g	TMAX degC	S2/TOC HI	S3/TOC OI	S0 mg/g	S1 mg/g	TPI mg/g
Cuttings Samples									
1535.00	.95	.04	.47	428	49	0	0.00	.03	.06
1540.00	1.06	.04	.52	428	49	0	0.00	.02	.04
1545.00	1.03	.05	.62	429	60	0	0.00	.02	.03
1550.00	1.13	.05	.65	430	58	0	0.00	.01	.02
1555.00	1.08	.06	.68	432	63	0	0.00	.02	.03
1560.00	1.09	.06	.70	432	64	0	0.00	.01	.01
1565.00	1.20	.07	.79	431	66	0	0.00	.01	.01
1570.00	1.12	.07	.80	431	71	0	0.00	.03	.04
1575.00	1.13	.06	.69	427	61	0	0.00	.02	.03
1580.00	1.15	.06	.69	433	60	0	0.00	.02	.03
1585.00	1.23	.07	.76	430	62	0	0.00	.05	.06
1590.00	1.09	.06	.68	431	62	0	0.00	.02	.03
1595.00	1.10	.06	.64	433	58	0	0.00	.04	.06
1600.00	1.07	.05	.61	431	57	0	0.00	.04	.06
1605.00	1.16	.06	.69	429	59	0	0.00	.06	.08
1610.00	1.06	.06	.68	431	64	0	0.00	.04	.06
1615.00	1.18	.06	.65	432	55	0	0.00	.03	.04
1620.00	1.10	.06	.65	432	59	0	0.00	.05	.07
1625.00	1.07	.05	.62	434	58	0	0.00	.04	.06
1630.00	1.02	.06	.73	430	72	0	0.00	.03	.04
1635.00	.95	.05	.59	434	62	0	0.00	.01	.02
1640.00	1.04	.06	.67	432	64	0	0.00	.02	.03
1645.00	1.06	.06	.73	430	69	0	0.00	.03	.04
1650.00	.93	.05	.62	426	67	0	0.00	.02	.03
1655.00	1.02	.05	.63	426	62	0	0.00	.02	.03
1660.00	.89	.04	.48	428	54	0	0.00	.02	.04
1665.00	.83	.04	.42	431	51	0	0.00	.02	.05
1670.00	.89	.04	.43	433	48	0	0.00	.01	.02
1675.00	.82	.05	.54	425	66	0	0.00	.06	.10
1680.00	.97	.07	.73	427	75	0	0.00	.06	.08
1685.00	.85	.06	.69	424	81	0	0.00	.06	.08
1690.00	.84	.06	.50	428	60	0	0.00	.20	.29
1695.00	.89	.05	.52	430	58	0	0.00	.04	.07
1700.00	.85	.06	.71	424	84	0	0.00	.04	.05
1705.00	.83	.05	.53	425	64	0	0.00	.06	.10
1710.00	.87	.06	.66	426	76	0	0.00	.05	.07
1715.00	.85	.05	.51	425	60	0	0.00	.04	.07
1720.00	.84	.05	.58	430	69	0	0.00	.02	.03
1725.00	.70	.05	.41	427	59	0	0.00	.18	.31
1730.00	.85	.05	.53	434	62	0	0.00	.07	.12

EXPLORATION LOGGING GEOCHEMICAL DATA PRINT

FOR : NORSK HYDRO A/S
WELL : 7219/9-1

Printed at : 10:51
: 19 May 1988

	SOURCE BED EVALUATION						FREE HYDROCARBS		
DEPTH m	TOC %wt	PC	S2 mg/g	TMAX degC	S2/TOC HI	S3/TOC OI	S0 mg/g	S1 mg/g	TPI mg/g
Cuttings Samples									
1735.00	.81	.04	.46	431	57	0	0.00	.08	.15
1740.00	.80	.05	.55	434	69	0	0.00	.05	.08
1745.00	.77	.05	.56	426	73	0	0.00	.07	.11
1750.00	.84	.05	.50	433	60	0	0.00	.05	.09
1752.00	.90	.07	.68	426	76	0	0.00	.13	.16
1755.00	.85	.06	.58	427	68	0	0.00	.10	.15
1757.00	.80	.04	.44	427	55	0	0.00	.07	.14
1760.00	.83	.07	.69	424	83	0	0.00	.11	.14
1762.00	.77	.03	.31	428	40	0	0.00	.09	.23
1765.00	.75	.04	.36	428	48	0	0.00	.10	.22
1767.00	.67	.04	.39	430	58	0	0.00	.12	.24
1770.00	.68	.04	.45	426	66	0	0.00	.09	.17
1772.00	.67	.03	.27	430	40	0	0.00	.08	.23
1775.00	.70	.03	.26	426	37	0	0.00	.14	.35
1777.00	.68	.05	.38	426	56	0	0.00	.17	.31
1780.00	.73	.06	.51	423	70	0	0.00	.23	.31
1782.00	.74	.05	.41	428	55	0	0.00	.18	.31
1785.00	.79	.07	.53	429	67	0	0.00	.29	.35
1790.00	.93	.09	.74	425	80	0	0.00	.38	.34
1792.00	1.07	.12	.99	423	93	0	0.00	.44	.31
1795.00	1.04	.08	.63	427	61	0	0.00	.38	.38
1797.00	1.27	.15	1.29	433	102	0	0.00	.52	.29

The following four pages of data cover the interval from 1800 to 1920 m. One set of data was the original results from analysis at Wellsite. The other set of data was from washed and dried samples, which were picked and then analysed by O.S.A., in Exlog's Windsor laboratory, at Norsk Hydro's request.

EXPLORATION LOGGING GEOCHEMICAL DATA PRINT

FOR : NORSK HYDRO A/S
WELL : 7219/9-1

Printed at : 10:58
: 19 May 1988

	SOURCE BED EVALUATION						FREE HYDROCARBS		
DEPTH m	TOC %wt	PC	S2 mg/g	TMAX degC	S2/TOC HI	S3/TOC OI	S0 mg/g	S1 mg/g	TPI mg/g
Cuttings Samples									
1800.00	1.08	.13	.90	425	83	0	0.00	.61	.40
1802.00	1.04	.13	.93	435	89	0	0.00	.58	.38
1805.00	1.12	.13	1.04	426	93	0	0.00	.58	.36
1807.00	1.05	.14	.99	431	94	0	0.00	.64	.39
1810.00	.99	.14	1.11	430	112	0	0.00	.62	.36
1812.00	1.20	.15	1.16	434	97	0	0.00	.67	.37
1815.00	1.17	.15	1.14	427	97	0	0.00	.65	.36
1817.00	.82	.11	.80	436	98	0	0.00	.53	.40
1820.00	1.17	.16	1.19	430	102	0	0.00	.71	.37
1822.00	1.20	.18	1.30	436	108	0	0.00	.85	.40
1825.00	1.24	.17	1.37	430	110	0	0.00	.72	.34
1827.00	1.31	.20	1.43	436	109	0	0.00	.93	.39
1830.00	1.19	.21	1.62	431	136	0	0.00	.92	.36
1832.00	1.77	.32	3.40	434	192	0	0.00	.51	.13
1835.00	1.16	.23	1.73	431	149	0	0.00	1.00	.37
1837.00	1.31	.23	1.84	432	140	0	0.00	.93	.34
1840.00	1.25	.22	1.76	433	141	0	0.00	.86	.33
1842.00	1.23	.24	1.80	428	146	0	0.00	1.04	.37
1845.00	1.22	.22	1.84	430	151	0	0.00	.80	.30
1847.00	1.32	.26	2.18	430	165	0	.01	.94	.30
1850.00	1.38	.23	2.00	430	145	0	.01	.75	.28
1852.00	1.42	.24	2.08	433	146	0	0.00	.81	.28
1855.00	1.60	.25	2.29	432	143	0	0.00	.76	.25
1857.00	1.49	.22	1.95	435	131	0	0.00	.70	.26
1860.00	1.58	.24	2.15	435	136	0	0.00	.72	.25
1862.00	1.81	.29	2.58	434	143	0	0.00	.90	.26
1865.00	1.06	.10	1.03	428	97	0	0.00	.19	.16
1867.00	1.34	.20	1.95	423	146	0	0.00	.43	.18
1870.00	1.33	.14	1.21	430	91	0	.01	.50	.30
1872.00	1.13	.12	1.04	432	92	0	.01	.36	.26
1875.00	1.31	.13	1.09	435	83	0	.01	.42	.28
1877.00	1.09	.10	.84	431	77	0	0.00	.34	.29
1880.00	1.01	.08	.67	431	66	0	0.00	.25	.27
1882.00	1.12	.10	.92	426	82	0	0.00	.31	.25
1885.00	1.01	.11	.89	433	88	0	0.00	.38	.30
1887.00	1.28	.12	1.10	433	86	0	0.00	.38	.26
1890.00	1.21	.12	1.08	431	89	0	0.00	.41	.28
1892.00	1.05	.10	.90	424	86	0	0.00	.31	.26

EXPLORATION LOGGING GEOCHEMICAL DATA PRINT

FOR :
WELL : 7219/9-1

Printed at : 11:31
: 19 May 1988

	SOURCE BED EVALUATION						FREE HYDROCARBS		
DEPTH m	TOC %wt	PC	S2 mg/g	TMAX degC	S2/TOC HI	S3/TOC OI	S0 mg/g	S1 mg/g	TPI mg/g
Cuttings Samples									
1800.00	1.38	.23	1.17	435	85	0	.90	.65	.57
1802.00	1.32	.17	1.39	437	105	0	0.00	.60	.30
1805.00	1.40	.29	2.28	437	163	0	0.00	1.19	.34
1807.00	1.42	.22	1.75	435	123	0	0.00	.86	.33
1810.00	1.42	.21	1.73	437	122	0	0.00	.86	.33
1812.00	1.11	.22	1.72	439	155	0	0.00	.97	.36
1815.00	1.39	.20	1.49	440	107	0	0.00	.91	.38
1817.00	1.14	.18	1.39	440	122	0	0.00	.82	.37
1820.00	1.54	.20	1.54	441	100	0	0.00	.90	.37
1822.00	1.55	.25	1.85	441	119	0	0.00	1.18	.39
1825.00	1.49	.25	1.91	440	128	0	0.00	1.07	.36
1827.00	1.66	.28	2.02	441	122	0	0.00	1.35	.40
1830.00	1.52	.28	2.19	440	144	0	0.00	1.22	.36
1832.00	1.60	.25	1.97	440	123	0	0.00	1.10	.36
1835.00	1.79	.25	1.90	439	106	0	0.00	1.14	.38
1837.00	1.74	.27	1.86	441	107	0	0.00	1.40	.43
1840.00	1.59	.30	2.41	440	152	0	0.00	1.24	.34
1845.00	2.69	.28	1.94	438	72	0	0.00	1.47	.43
1847.00	1.52	.25	1.71	440	113	0	0.00	1.26	.42
1850.00	1.62	.25	1.88	437	116	0	0.00	1.13	.38
1852.00	1.99	.26	2.12	437	107	0	0.00	1.01	.32
1855.00	1.95	.33	2.29	438	117	0	0.00	1.66	.42
1857.00	2.36	.30	2.60	439	110	0	0.00	1.07	.29
1860.00	1.98	.33	2.87	439	145	0	0.00	1.10	.28
1862.00	1.62	.25	1.82	438	112	0	0.00	1.25	.41
1865.00	1.64	.20	1.37	437	84	0	0.00	1.04	.43
1867.00	1.53	.19	1.33	437	87	0	0.00	.93	.41
1870.00	1.50	.18	1.30	438	87	0	0.00	.89	.41
1872.00	1.13	.14	1.10	438	97	0	0.00	.58	.35
1875.00	1.75	.25	1.64	438	94	0	0.00	1.40	.46
1877.00	1.56	.17	1.22	437	78	0	0.00	.87	.42
1880.00	1.29	.17	1.31	438	102	0	0.00	.75	.36
1882.00	1.75	.20	1.55	437	89	0	0.00	.90	.37
1885.00	1.87	.24	1.57	437	84	0	0.00	1.29	.45
1887.00	1.06	.11	.75	430	71	0	0.00	.53	.41
1890.00	1.18	.16	1.12	435	95	0	0.00	.86	.43
1892.00	1.10	.16	1.04	433	95	0	0.00	.92	.47

THE ABOVE PICKED SAMPLES WERE SELECTED BY NORSK HYDRO AND WERE ANALYSED USING AN O.S.A. IN EXPLORATION LOGGING'S WINDSOR LABORATORY.

EXPLORATION LOGGING GEOCHEMICAL DATA PRINT

FOR : NORSK HYDRO A/S
WELL : 7219/9-1

Printed at : 11:02
: 19 May 1988

	SOURCE BED EVALUATION						FREE HYDROCARBS		
DEPTH m	TOC %wt	PC	S2 mg/g	TMAX degC	S2/TOC HI	S3/TOC OI	S0 mg/g	S1 mg/g	TPI mg/g
Cuttings Samples									
1895.00	1.45	.25	2.55	420	176	0	0.00	.50	.16
1897.00	1.14	.14	1.20	426	105	0	0.00	.44	.27
1900.00	1.21	.09	.80	437	66	0	0.00	.29	.27
1902.00	1.25	.30	2.57	430	206	0	.01	1.06	.29
1905.00	2.76	.66	6.80	429	246	0	0.00	1.12	.14
1907.00	3.50	.93	9.95	428	284	0	.05	1.17	.11
1910.00	3.27	.94	10.13	429	310	0	.06	1.19	.11
1912.00	2.80	.63	6.82	433	244	0	0.00	.83	.11
1915.00	4.42	1.27	13.70	428	310	0	.08	1.47	.10
1917.00	2.60	.55	5.88	436	226	0	0.00	.77	.12
1920.00	2.51	.61	6.48	435	258	0	0.00	.83	.11

EXPLORATION LOGGING GEOCHEMICAL DATA PRINT

FOR :
WELL : 7219/9-1

Printed at : 11:41
: 19 May 1988

	SOURCE BED EVALUATION						FREE HYDROCARBS		
DEPTH m	TOC %wt	PC	S2 mg/g	TMAX degC	S2/TOC HI	S3/TOC OI	S0 mg/g	S1 mg/g	TPI mg/g
Cuttings Samples									
1895.00	.94	.14	.88	433	94	0	0.00	.77	.47
1897.00	1.06	.15	.90	431	85	0	0.00	.95	.51
1900.00	.57	.09	.48	420	84	0	0.00	.62	.56
1902.00	1.50	.22	1.70	436	113	0	0.00	.93	.35
1905.00	1.93	.32	2.71	434	140	0	0.00	1.16	.30
1907.00	2.68	.42	3.79	434	141	0	0.00	1.30	.26
1910.00	2.23	.52	5.20	432	233	0	0.00	1.12	.18
1912.00	2.81	.55	5.09	436	181	0	0.00	1.59	.24
1915.00	2.93	.47	4.75	434	162	0	0.00	.96	.17
1917.00	2.89	.83	8.00	438	277	0	0.00	2.04	.20
1920.00	3.26	.82	8.80	438	270	0	0.00	1.12	.11

THE ABOVE PICKED SAMPLES WERE SELECTED BY NORSK HYDRO AND WERE ANALYSED USING AN O.S.A. IN EXPLORATION LOGGING'S WINDSOR LABORATORY.

Conclusions on the Compatability of the Original and Rerun Data

In general both sets of data show similar trends. Reproducablity on single samples is somewhat difficult to achieve. This is largely due to samples being picked by different individuals.

EXPLORATION LOGGING GEOCHEMICAL DATA PRINT

FOR : NORSK HYDRO A/S
WELL : 7219/9-1

Printed at : 11:23
: 19 May 1988

	SOURCE BED EVALUATION						FREE HYDROCARBS		
DEPTH m	TOC %wt	PC	S2 mg/g	TMAX degC	S2/TOC HI	S3/TOC OI	S0 mg/g	S1 mg/g	TPI mg/g
Cuttings Samples									
1922.00	2.77	.67	7.15	432	258	0	.04	.89	.12
1925.00	1.21	.21	2.30	430	190	0	0.00	.27	.11
1927.00	1.43	.25	2.66	431	186	0	0.00	.34	.11
1930.00	1.29	.22	2.34	434	181	0	0.00	.30	.11
2115.00	.81	.07	.78	429	96	0	0.00	.11	.12
2118.00	.81	.07	.70	428	86	0	0.00	.11	.14
2120.00	.84	.08	.78	431	93	0	0.00	.18	.19
2122.00	.83	.07	.74	431	89	0	0.00	.13	.15
2125.00	.84	.07	.74	429	88	0	0.00	.13	.15
2127.00	.89	.09	.88	430	99	0	0.00	.25	.22
2130.00	.79	.07	.66	427	84	0	0.00	.16	.20
2132.00	.83	.08	.69	428	83	0	0.00	.31	.31
2135.00	.76	.07	.63	429	83	0	0.00	.23	.27
2137.00	.84	.08	.78	429	93	0	0.00	.19	.20
2140.00	.83	.08	.76	430	92	0	0.00	.15	.16
2142.00	.79	.06	.60	430	76	0	0.00	.13	.18
2145.00	.86	.08	.72	431	84	0	0.00	.20	.22
2147.00	1.12	.15	1.54	437	138	0	0.00	.28	.15
2150.00	1.12	.14	1.43	435	128	0	0.00	.31	.18
2152.00	1.71	.26	2.45	437	143	0	0.00	.70	.22
2155.00	.76	.06	.57	429	75	0	0.00	.15	.21
2157.00	1.00	.10	1.00	432	100	0	0.00	.21	.17
2160.00	.76	.06	.57	429	75	0	0.00	.15	.21
2162.00	.86	.08	.75	431	87	0	0.00	.18	.19
2165.00	.91	.09	.84	431	92	0	0.00	.27	.24
2167.00	1.44	.27	2.62	439	182	0	0.00	.65	.20
2170.00	1.66	.37	3.44	436	207	0	0.00	.99	.22
2172.00	1.45	.27	2.44	436	168	0	0.00	.78	.24
2175.00	1.49	.27	2.69	436	181	0	0.00	.62	.19
2177.00	1.12	.20	1.94	440	173	0	0.00	.47	.20
2180.00	1.10	.13	1.23	436	112	0	0.00	.38	.24
2182.00	1.49	.28	2.82	438	189	0	0.00	.58	.17
2185.00	1.34	.27	2.77	437	207	0	0.00	.51	.16
2187.00	1.72	.24	2.52	438	147	0	0.00	.38	.13
2190.00	1.60	.31	3.34	439	209	0	0.00	.43	.11
2192.00	2.20	.30	3.18	436	145	0	0.00	.49	.13
2195.00	1.95	.32	3.21	435	165	0	0.00	.60	.16
2197.00	1.77	.34	3.38	435	191	0	0.00	.74	.18
2200.00	1.47	.22	2.17	438	148	0	0.00	.49	.18
2202.00	1.63	.27	2.70	437	166	0	0.00	.60	.18
2205.00	.92	.07	.73	433	79	0	0.00	.13	.15
2207.00	1.17	.13	1.23	436	105	0	0.00	.34	.22
2210.00	.86	.08	.63	429	73	0	0.00	.34	.35
2212.00	.78	.07	.64	427	82	0	0.00	.23	.26
2215.00	.96	.10	.93	435	97	0	0.00	.27	.22
2217.00	.81	.07	.57	427	70	0	0.00	.25	.30
2220.00	1.22	.18	1.65	439	135	0	0.00	.54	.25
2222.00	.92	.10	.88	431	96	0	0.00	.36	.29
2225.00	.90	.10	.83	430	92	0	0.00	.34	.29

EXPLORATION LOGGING GEOCHEMICAL DATA PRINT

FOR : NORSK HYDRO A/S
WELL : 7219/9-1

Printed at : 11:47
: 11 Apr 1988

	SOURCE BED EVALUATION						FREE HYDROCARBS		
DEPTH m	TOC %wt	PC	S2 mg/g	TMAX degC	S2/TOC HI	S3/TOC OI	SO mg/g	S1 mg/g	TPI mg/g
Cuttings Samples									
2227.00	.87	.12	1.02	433	117	0	0.00	.43	.30
2230.00	1.16	.14	1.30	434	112	0	0.00	.42	.24
2232.00	.89	.09	.82	431	92	0	0.00	.32	.28
2235.00	.48	.09	.80	431	167	0	0.00	.29	.27
2237.00	1.03	.14	1.29	435	125	0	0.00	.37	.22
2240.00	.93	.10	.90	431	97	0	0.00	.30	.25
2242.00	.96	.09	.81	430	84	0	0.00	.27	.25
2245.00	.95	.09	.82	432	86	0	0.00	.21	.20
2247.00	1.52	.23	2.06	435	136	0	0.00	.71	.26
2250.00	1.13	.13	1.14	436	101	0	0.00	.39	.25
2252.00	.97	.09	.87	433	90	0	0.00	.22	.20
2255.00	.97	.10	.91	433	94	0	0.00	.32	.26
2257.00	.85	.07	.60	427	71	0	0.00	.20	.25
2260.00	.84	.06	.67	427	80	0	0.00	.09	.12
2262.00	.80	.05	.54	430	68	0	0.00	.07	.11
2265.00	.79	.06	.62	433	78	0	0.00	.07	.10
2267.00	.77	.05	.56	433	73	0	0.00	.09	.14
2270.00	.82	.06	.62	433	76	0	0.00	.12	.16
2272.00	.85	.07	.72	429	85	0	0.00	.11	.13
2275.00	1.11	.13	1.28	436	115	0	0.00	.26	.17
2277.00	1.91	.29	2.77	441	145	0	0.00	.73	.21
2280.00	.79	.05	.53	431	67	0	0.00	.13	.20
2282.00	.80	.06	.59	430	74	0	0.00	.18	.23
2285.00	1.21	.14	1.27	435	105	0	0.00	.42	.25
2287.00	1.21	.14	1.29	439	107	0	0.00	.35	.21
2290.00	1.15	.14	1.37	436	119	0	0.00	.36	.21
2292.00	2.39	.44	4.49	436	188	0	0.00	.77	.15
2295.00	2.42	.43	4.36	436	180	0	0.00	.81	.16
2297.00	4.78	1.67	17.96	438	376	0	0.00	2.20	.11
2300.00	5.94	2.27	24.30	436	409	0	0.00	2.99	.11
2302.00	3.96	.97	9.65	438	244	0	0.00	1.99	.17
2305.00	2.60	.57	6.14	438	236	0	0.00	.77	.11
2307.00	1.26	.15	1.51	436	120	0	0.00	.25	.14
2310.00	1.01	.10	1.08	439	107	0	0.00	.10	.08
2312.00	1.53	.30	3.36	440	220	0	0.00	.21	.06
2315.00	1.59	.20	2.14	438	135	0	0.00	.22	.09
2317.00	1.25	.13	1.43	437	114	0	0.00	.13	.08
2320.00	1.47	.21	2.19	434	149	0	0.00	.38	.15
2322.00	.90	.08	.84	431	93	0	0.00	.11	.12
2325.00	.98	.09	.94	432	96	0	0.00	.14	.13

EXPLORATION LOGGING GEOCHEMICAL DATA PRINT

FOR : NORSK HYDRO A/S
WELL : 7219/9-1

Printed at : 12:21
: 11 Apr 1988

	SOURCE BED EVALUATION						FREE HYDROCARBS		
DEPTH m	TOC %wt	PC	S2 mg/g	TMAX degC	S2/TOC HI	S3/TOC OI	SO mg/g	S1 mg/g	TPI mg/g
Cuttings Samples									
2327.00	.96	.07	.80	432	83	0	0.00	.10	.11
2330.00	.93	.09	.98	430	105	0	0.00	.10	.09
2332.00	.96	.09	.88	432	92	0	0.00	.15	.15
2335.00	.91	.07	.76	428	84	0	0.00	.10	.12
2337.00	.89	.07	.74	428	83	0	0.00	.08	.10
2340.00	1.00	.11	1.15	433	115	0	0.00	.14	.11
2342.00	.82	.06	.64	430	78	0	0.00	.07	.10
2345.00	.87	.10	1.05	429	121	0	0.00	.16	.13
2347.00	.89	.09	.84	430	94	0	0.00	.20	.19
2350.00	.87	.07	.74	428	85	0	0.00	.11	.13
2352.00	.95	.09	.98	431	103	0	0.00	.12	.11
2355.00	.81	.06	.64	427	79	0	0.00	.07	.10
2357.00	.90	.07	.80	425	89	0	0.00	.09	.10
2360.00	.85	.07	.75	436	88	0	0.00	.08	.10
2362.00	.85	.06	.66	432	78	0	0.00	.06	.08
2365.00	.86	.06	.71	433	83	0	0.00	.07	.09
2367.00	1.58	.31	3.28	439	208	0	0.00	.50	.13
2370.00	.96	.09	.98	436	102	0	0.00	.12	.11
2372.00	1.14	.14	1.50	439	132	0	0.00	.24	.14
2375.00	.86	.11	1.10	438	128	0	0.00	.20	.15
2377.00	.86	.12	1.27	437	148	0	0.00	.23	.15
2380.00	.83	.09	.98	436	118	0	0.00	.12	.11
2382.00	.89	.09	.91	434	102	0	0.00	.15	.14
2385.00	.80	.05	.62	432	77	0	0.00	.03	.05
2387.00	.79	.05	.57	431	72	0	0.00	.04	.07
2390.00	.80	.06	.60	431	75	0	0.00	.08	.12
2392.00	.80	.05	.60	432	75	0	0.00	.03	.05
2395.00	.89	.06	.65	434	73	0	0.00	.07	.10
2397.00	.95	.09	.97	439	102	0	0.00	.12	.11
2400.00	.83	.05	.59	437	71	0	0.00	.07	.11
2402.00	.81	.05	.56	435	69	0	0.00	.07	.11
2405.00	.93	.07	.74	436	80	0	0.00	.09	.11
2407.00	.87	.07	.76	434	87	0	0.00	.11	.13
2410.00	.87	.06	.60	435	69	0	0.00	.08	.12
2412.00	.83	.06	.57	432	69	0	0.00	.11	.16
2415.00	.85	.06	.61	431	72	0	0.00	.10	.14
2417.00	.82	.05	.53	429	65	0	0.00	.06	.10
2422.00	.80	.05	.55	430	69	0	0.00	.05	.08
2425.00	.81	.04	.48	428	59	0	0.00	.03	.06
2427.00	.80	.05	.50	431	63	0	0.00	.07	.12

EXPLORATION LOGGING GEOCHEMICAL DATA PRINT

FOR : NORSK HYDRO A/S
WELL : 7219/9-1

Printed at : 12:26
: 11 Apr 1988

	SOURCE BED EVALUATION						FREE HYDROCARBS		
DEPTH m	TOC %wt	PC	S2 mg/g	TMAX degC	S2/TOC HI	S3/TOC OI	S0 mg/g	S1 mg/g	TPI mg/g
Cuttings Samples									
2430.00	.72	.05	.47	430	65	0	0.00	.09	.16
2432.00	.78	.05	.53	431	68	0	0.00	.06	.10
2435.00	.80	.06	.58	429	73	0	0.00	.17	.23
2437.00	.91	.10	.96	435	105	0	0.00	.19	.17
2440.00	.95	.09	.83	432	87	0	0.00	.21	.20
2442.00	.88	.11	1.01	435	115	0	0.00	.28	.22
2445.00	.92	.13	1.19	440	129	0	0.00	.34	.22
2447.00	.96	.07	.81	433	84	0	0.00	.09	.10
2450.00	.94	.07	.74	431	79	0	0.00	.09	.11
2452.00	.92	.06	.66	432	72	0	0.00	.08	.11
2455.00	.84	.06	.67	431	80	0	0.00	.09	.12
2457.00	.81	.07	.69	430	85	0	0.00	.11	.14
2460.00	.88	.08	.82	432	93	0	0.00	.11	.12
2462.00	.89	.08	.77	434	87	0	0.00	.14	.15
2465.00	.90	.08	.79	434	88	0	0.00	.15	.16
2467.00	.90	.09	.89	435	99	0	0.00	.15	.14
2470.00	1.08	.10	1.01	436	94	0	0.00	.17	.14
2472.00	1.09	.11	1.08	434	99	0	0.00	.20	.16
2475.00	1.17	.12	1.19	438	102	0	0.00	.23	.16
2477.00	1.17	.12	1.25	436	107	0	0.00	.24	.16
2480.00	1.19	.11	1.18	438	99	0	0.00	.17	.13
2482.00	1.28	.17	1.85	441	145	0	0.00	.22	.11
2485.00	1.58	.16	1.68	443	106	0	0.00	.26	.13
2487.00	1.66	.22	2.34	443	141	0	0.00	.32	.12
2490.00	2.64	.26	2.76	441	105	0	0.00	.33	.11
2492.00	2.37	.20	2.14	442	90	0	0.00	.29	.12
2495.00	2.34	.24	2.54	441	109	0	0.00	.34	.12
2497.00	4.15	.41	4.42	442	107	0	0.00	.57	.11
2500.00	3.14	.36	3.81	442	121	0	0.00	.48	.11
2502.00	3.08	.39	4.21	444	137	0	0.00	.48	.10
2505.00	2.28	.31	3.34	442	146	0	0.00	.38	.10
2507.00	1.91	.19	2.07	442	108	0	0.00	.23	.10
2510.00	2.12	.43	4.48	438	211	0	0.00	.71	.14
2512.00	1.73	.18	1.93	442	112	0	0.00	.24	.11
2515.00	2.63	.29	3.13	442	119	0	0.00	.40	.11
2517.00	3.02	.29	3.14	443	104	0	0.00	.38	.11
2520.00	2.16	.24	2.64	442	122	0	0.00	.26	.09
2522.00	2.00	.26	2.80	442	140	0	0.00	.31	.10
2525.00	1.99	.23	2.53	442	127	0	0.00	.26	.09
2527.00	1.47	.19	2.09	442	142	0	0.00	.24	.10

EXPLORATION LOGGING GEOCHEMICAL DATA PRINT

FOR : NORSK HYDRO A/S
WELL : 7219/9-1

Printed at : 13:37
: 11 Apr 1988

	SOURCE BED EVALUATION						FREE HYDROCARBS		
DEPTH m	TOC %wt	PC	S2 mg/g	TMAX degC	S2/TOC HI	S3/TOC OI	SO mg/g	S1 mg/g	TPI mg/g
Cuttings Samples									
2530.00	2.10	.26	2.80	440	133	0	0.00	.33	.11
2532.00	.63	.05	.48	438	76	0	0.00	.09	.16
2535.00	.46	.05	.48	442	104	0	0.00	.09	.16
2537.00	2.18	.36	3.77	441	173	0	0.00	.52	.12
2540.00	2.19	.37	3.93	441	179	0	0.00	.57	.13
2542.00	1.32	.30	3.18	442	241	0	0.00	.40	.11
2545.00	1.66	.37	3.91	442	236	0	0.00	.55	.12
2547.00	1.61	.31	3.34	443	207	0	0.00	.42	.11
2550.00	1.31	.21	2.21	440	169	0	0.00	.31	.12
2552.00	1.83	.33	2.54	440	139	0	0.00	1.46	.36
2555.00	2.62	.59	6.31	441	241	0	0.00	.82	.12
2557.00	2.12	.36	3.77	440	178	0	0.00	.59	.14
2560.00	1.81	.36	3.77	441	208	0	0.00	.51	.12
2562.00	1.39	.18	1.94	441	140	0	0.00	.28	.13
2565.00	1.59	.23	2.41	441	152	0	0.00	.34	.12
2567.00	1.27	.22	2.39	442	188	0	0.00	.32	.12
2570.00	1.35	.23	2.45	441	181	0	0.00	.35	.13
2572.00	1.58	.29	3.00	443	190	0	0.00	.46	.13
2575.00	1.61	.26	2.71	442	168	0	0.00	.42	.13
2577.00	1.72	.28	2.89	442	168	0	0.00	.43	.13
2580.00	1.70	.25	2.62	442	154	0	0.00	.38	.13
2582.00	1.72	.23	2.39	442	139	0	0.00	.37	.13
2585.00	1.51	.21	2.16	442	143	0	0.00	.43	.17
2587.00	1.65	.29	3.02	442	183	0	0.00	.43	.12
2590.00	2.09	.29	3.02	419	144	0	0.00	.43	.12
2592.00	1.79	.27	2.83	442	158	0	0.00	.41	.13
2595.00	1.13	.14	1.47	440	130	0	0.00	.23	.14
2597.00	1.61	.23	2.39	440	148	0	0.00	.43	.15
2600.00	1.77	.25	2.53	439	143	0	0.00	.46	.15
2602.00	2.09	.33	3.45	441	165	0	0.00	.52	.13
2605.00	1.57	.26	2.73	442	174	0	0.00	.39	.13
2607.00	1.39	.19	1.89	442	136	0	0.00	.43	.19
2610.00	1.34	.23	2.45	442	183	0	0.00	.34	.12
2612.00	1.20	.21	2.17	440	181	0	0.00	.30	.12
2615.00	1.06	.16	1.68	442	158	0	0.00	.26	.13
2620.00	1.27	.21	2.17	442	171	0	0.00	.37	.15
2622.00	1.08	.14	1.48	442	137	0	0.00	.23	.13
2625.00	1.15	.18	1.86	441	162	0	0.00	.29	.13
2627.00	1.05	.13	1.29	441	123	0	0.00	.22	.15
2630.00	1.49	.23	2.44	441	164	0	0.00	.33	.12

EXPLORATION LOGGING GEOCHEMICAL DATA PRINT

FOR : NORSK HYDRO A/S
WELL : 7219/9-1

Printed at : 13:53
: 11 Apr 1988

	SOURCE BED EVALUATION						FREE HYDROCARBS		
DEPTH m	TOC %wt	PC	S2 mg/g	TMAX degC	S2/TOC HI	S3/TOC OI	SO mg/g	S1 mg/g	TPI mg/g
Cuttings Samples									
2632.00	1.22	.19	1.92	442	157	0	0.00	.33	.15
2635.00	.87	.10	1.06	441	122	0	0.00	.18	.15
2637.00	.84	.11	1.17	441	139	0	0.00	.16	.12
2640.00	1.06	.14	1.42	442	134	0	0.00	.21	.13
2642.00	1.23	.16	1.75	442	142	0	0.00	.23	.12
2645.00	1.74	.23	2.41	441	139	0	0.00	.33	.12
2647.00	1.29	.16	1.75	441	136	0	0.00	.23	.12
2650.00	1.22	.14	1.42	440	116	0	0.00	.22	.13
2652.00	1.28	.17	1.73	441	135	0	0.00	.29	.14
2655.00	1.24	.12	1.17	440	94	0	0.00	.22	.16
2657.00	.96	.16	1.60	441	167	0	0.00	.30	.16
2660.00	1.11	.23	2.28	443	205	0	0.00	.49	.18
2662.00	1.30	.21	2.04	442	157	0	0.00	.48	.19
2665.00	1.45	.33	3.33	442	230	0	0.00	.60	.15
2667.00	1.93	.34	3.44	442	178	0	0.00	.64	.16
2670.00	1.46	.29	2.91	441	199	0	0.00	.55	.16
2672.00	1.76	.29	2.97	436	169	0	0.00	.58	.16
2675.00	1.51	.20	1.81	436	120	0	0.00	.56	.24
2677.00	2.04	.34	3.01	437	148	0	0.00	1.13	.27
2680.00	2.13	.31	2.60	441	122	0	0.00	1.12	.30
2682.00	.49	.15	.52	438	106	0	0.00	1.27	.71
2685.00	.32	.07	.31	440	97	0	0.00	.58	.65
2687.00	.62	.09	.64	440	103	0	0.00	.44	.41
2690.00	.39	.08	.45	436	115	0	0.00	.46	.51
2692.00	.74	.10	.72	441	97	0	0.00	.44	.38
2695.00	1.68	.20	1.89	439	113	0	0.00	.47	.20
2697.00	.65	.08	.64	442	98	0	0.00	.29	.31
2700.00	.35	.08	.39	442	111	0	0.00	.52	.57
2702.00	1.39	.17	1.50	441	108	0	0.00	.52	.26
2705.00	.64	.07	.59	442	92	0	0.00	.21	.26
2707.00	.50	.06	.48	441	96	0	0.00	.22	.31
2710.00	.46	.05	.38	443	83	0	0.00	.20	.34
2712.00	.86	.08	.64	440	74	0	0.00	.29	.31
2715.00	.44	.05	.39	442	89	0	0.00	.17	.30
2717.00	.46	.05	.43	442	93	0	0.00	.16	.27
2720.00	1.00	.12	1.06	440	106	0	0.00	.39	.27
2722.00	.47	.04	.34	441	72	0	0.00	.16	.32
2725.00	1.00	.11	1.03	442	103	0	0.00	.33	.24
2727.00	1.37	.15	1.42	441	104	0	0.00	.37	.21
2730.00	.54	.06	.51	443	94	0	0.00	.25	.33

XPLORATION LOGGING GEOCHEMICAL DATA PRINT

FOR : NORSK HYDRO A/S
ELL : 7219/9-1

Printed at : 13:58
: 11 Apr 1988

	SOURCE BED EVALUATION						FREE HYDROCARBS		
DEPTH m	TOC %wt	PC	S2 mg/g	TMAX degC	S2/TOC HI	S3/TOC OI	S0 mg/g	S1 mg/g	TPI mg/g
Cuttings Samples									
2732.00	.49	.06	.43	443	88	0	0.00	.27	.39
2735.00	.62	.07	.62	443	100	0	0.00	.24	.28
2737.00	.93	.11	.97	441	104	0	0.00	.33	.25
2740.00	.62	.07	.61	441	98	0	0.00	.24	.28
2742.00	1.19	.17	1.60	441	134	0	0.00	.42	.21
2745.00	1.22	.14	1.34	441	110	0	0.00	.34	.20
2747.00	1.15	.14	1.41	441	123	0	0.00	.31	.18
2750.00	.81	.10	1.01	442	125	0	0.00	.25	.20

EXPLORATION LOGGING GEOCHEMICAL DATA PRINT

FOR : NORSK HYDRO A/S
WELL : 7219/9-1

Printed at : 14:03
: 11 Apr 1988

	SOURCE BED EVALUATION						FREE HYDROCARBS		
DEPTH m	TOC %wt	PC	S2 mg/g	TMAX degC	S2/TOC HI	S3/TOC OI	S0 mg/g	S1 mg/g	TPI mg/g
Core Samples									
1922.50	.81	.10	.98	435	121	0	.01	.18	.16
1923.00	.69	.07	.70	432	101	0	.01	.16	.20
1924.00	.77	.07	.69	430	90	0	0.00	.15	.18
1925.00	.74	.09	.88	431	119	0	0.00	.15	.15
1926.00	.78	.10	1.02	436	131	0	0.00	.16	.14
1927.00	.62	.08	.80	434	129	0	0.00	.12	.13
1928.00	.61	.07	.73	435	120	0	0.00	.11	.13
1929.00	.56	.06	.56	434	100	0	0.00	.11	.16
1929.50	.74	.09	.86	433	116	0	0.00	.17	.17
1930.00	.54	.06	.64	435	119	0	0.00	.13	.17
1931.00	.67	.09	.88	436	131	0	0.00	.17	.16
1932.00	.74	.10	1.06	436	143	0	0.00	.19	.15
1933.00	.66	.08	.77	435	117	0	.01	.17	.19
1934.00	.73	.10	1.00	436	137	0	0.00	.20	.17
1935.00	.61	.08	.77	434	126	0	0.00	.16	.17
1936.00	.63	.08	.75	435	119	0	0.00	.16	.18
1938.00	.61	.05	.54	432	89	0	0.00	.12	.18
1938.00	.61	.05	.54	432	89	0	0.00	.12	.18
1939.00	.55	.06	.64	434	116	0	0.00	.13	.17
1940.00	.65	.08	.77	437	118	0	0.00	.21	.21
1941.00	.68	.09	.91	436	134	0	0.00	.21	.19
1942.00	.69	.10	.98	436	142	0	0.00	.22	.18
1943.00	.46	.06	.58	435	126	0	0.00	.14	.19
1944.00	.39	.05	.45	433	115	0	0.00	.12	.21
1945.00	.41	.05	.41	430	100	0	0.00	.14	.25
1946.00	.38	.05	.53	436	139	0	0.00	.12	.18
1947.00	.24	.03	.27	433	113	0	0.00	.10	.27
1948.00	.40	.05	.49	433	123	0	0.00	.17	.26
1949.00	.37	.05	.48	433	130	0	0.00	.18	.27
1949.60	.57	.08	.61	438	107	0	0.00	.38	.38
1950.00	.73	.49	1.12	426	153	0	.01	4.76	.81
1951.00	.72	.18	.61	436	85	0	0.00	1.59	.72
1952.00	.59	.39	.87	426	147	0	0.00	3.86	.82
1953.00	.53	.34	.46	427	87	0	.04	3.65	.89
1954.00	.57	.35	.65	429	114	0	.03	3.54	.85
1955.00	.57	.35	.57	430	100	0	.03	3.57	.86
1956.00	.37	.27	.25	429	68	0	.05	2.90	.92
1957.00	.38	.28	.36	0	95	0	.05	2.92	.89
1958.00	.64	.44	.63	428	98	0	.22	4.48	.88
1958.00	.64	.36	1.19	430	186	0	.11	3.06	.73

EXPLORATION LOGGING GEOCHEMICAL DATA PRINT

FOR : NORSK HYDRO A/S
WELL : 7219/9-1

Printed at : 14:12
: 11 Apr 1988

	SOURCE BED EVALUATION						FREE HYDROCARBS		
DEPTH m	TOC %wt	PC	S2 mg/g	TMAX degC	S2/TOC HI	S3/TOC OI	SO mg/g	S1 mg/g	TPI mg/g
Core Samples									
1959.00	.36	.29	.29	0	81	0	.24	2.98	.92
1960.00	.26	.21	.14	0	54	0	.09	2.28	.94
1961.00	.29	.24	.42	0	145	0	.06	2.42	.86
1962.00	.20	.16	.12	0	60	0	.01	1.81	.94
1964.00	.20	.15	.17	0	85	0	0.00	1.58	.90
1965.00	.06	.05	.01	0	17	0	0.00	.64	.98
1966.00	.12	.07	.08	0	67	0	0.00	.81	.91
1967.00	.07	.06	.03	0	43	0	0.00	.66	.96
1968.00	.16	.11	.13	0	81	0	0.00	1.17	.90
1969.00	.11	.09	.07	0	64	0	0.00	1.00	.93
1970.00	.11	.08	.05	0	45	0	0.00	.96	.95
1971.00	.09	.12	.24	429	267	0	0.00	1.20	.83
1972.00	.09	.07	.03	0	33	0	0.00	.84	.97
1973.00	.11	.08	.07	0	64	0	0.00	.94	.93
1974.00	.10	.07	.05	0	50	0	0.00	.85	.94
1975.15	.10	.08	.06	0	60	0	0.00	.93	.94
1977.00	.18	.11	.17	0	94	0	0.00	1.21	.88
1978.00	.19	.14	.18	0	95	0	0.00	1.47	.89
1979.00	.29	.09	.11	0	38	0	0.00	.95	.90
1980.00	.31	.18	.31	0	100	0	0.00	1.87	.86
1981.00	.48	.24	.70	431	146	0	0.00	2.18	.76
1982.00	.55	.27	.98	432	178	0	0.00	2.25	.70
1983.00	.51	.22	.79	434	155	0	0.00	1.89	.71
1984.00	.33	.17	.43	431	130	0	0.00	1.66	.79
1984.75	.12	.09	.07	0	58	0	0.00	1.01	.94
1984.75	.16	.02	.13	434	81	0	0.00	.16	.55
1985.60	1.25	.26	2.04	439	163	0	0.00	1.08	.35
1986.30	.55	.25	.71	435	129	0	0.00	2.26	.76
1987.03	.64	.30	.96	436	150	0	.10	2.55	.73
1987.60	.46	.26	.62	0	135	0	0.00	2.57	.81
1989.00	.64	.36	.74	429	116	0	0.00	3.59	.83
1990.00	.67	.39	.99	431	148	0	0.00	3.74	.79
1991.00	.76	.45	1.13	435	149	0	0.00	4.27	.79
1992.00	.83	.74	1.15	423	139	0	0.00	7.78	.87
1993.00	1.46	1.20	2.28	420	156	0	0.00	12.14	.84
1994.00	.74	.55	.85	423	115	0	0.00	5.78	.87
1995.00	.48	.43	.38	0	79	0	.07	4.79	.93
1996.00	.45	.34	.63	431	140	0	.03	3.48	.85
1997.00	.38	.33	.28	0	74	0	.04	3.69	.93
1998.00	.11	.09	.05	0	45	0	0.00	1.06	.95

EXPLORATION LOGGING GEOCHEMICAL DATA PRINT

FOR : NORSK HYDRO A/S
WELL : 7219/9-1

Printed at : 14:16
: 11 Apr 1988

	SOURCE BED EVALUATION						FREE HYDROCARBS		
DEPTH m	TOC %wt	PC	S2 mg/g	TMAX degC	S2/TOC HI	S3/TOC OI	S0 mg/g	S1 mg/g	TPI mg/g
Core Samples									
1999.00	.18	.15	.10	0	56	0	0.00	1.72	.95
2000.00	.14	.12	.07	0	50	0	0.00	1.41	.95
2001.00	.13	.12	.06	0	46	0	0.00	1.37	.96
2002.00	.18	.15	.14	0	78	0	0.00	1.72	.92
2003.00	.30	.21	.20	0	67	0	0.00	2.33	.92
2004.00	.13	.11	.05	0	38	0	0.00	1.23	.96
2005.00	.14	.14	.05	0	36	0	0.00	1.64	.97
2006.00	.11	.11	.08	0	73	0	0.00	1.20	.94
2007.00	.11	.10	.05	0	45	0	0.00	1.17	.96
2008.00	.17	.16	.07	0	41	0	0.00	1.80	.96
2009.00	.18	.16	.11	0	61	0	0.00	1.80	.94
2010.00	.09	.09	.02	0	22	0	0.00	1.05	.98
2011.00	.11	.10	.05	0	45	0	0.00	1.17	.96
2012.00	.05	.06	.05	0	100	0	0.00	.62	.93
2013.00	.09	.08	.01	0	11	0	0.00	.98	.99
2014.00	.09	.09	.03	0	33	0	0.00	1.01	.97
2014.70	.18	.14	.12	0	67	0	0.00	1.52	.93
2015.77	.10	.09	.03	0	30	0	0.00	1.07	.97
2017.00	.12	.09	.04	0	33	0	0.00	1.09	.96
2018.00	.14	.12	.06	0	43	0	0.00	1.34	.96
2019.00	.13	.11	.04	0	31	0	.01	1.24	.97
2020.00	.19	.15	.13	0	68	0	.03	1.69	.93
2021.00	.21	.22	.14	0	67	0	.05	2.46	.95
2022.00	.21	.18	.10	0	48	0	.03	2.01	.95
2023.00	.21	.16	.17	0	81	0	.02	1.73	.91
2024.00	.59	.31	1.11	0	188	0	0.00	2.67	.71
2024.95	.10	.09	.01	0	10	0	0.00	1.08	.99
2026.00	.11	.10	.04	0	36	0	0.00	1.14	.97
2027.00	.80	.51	1.72	435	215	0	.05	4.37	.72
2028.00	.15	.12	.06	0	40	0	.01	1.42	.96
2029.00	.15	.14	.07	0	47	0	0.00	1.58	.96
2030.00	.40	.32	.38	426	95	0	.05	3.46	.90
2031.00	.17	.14	.08	0	47	0	0.00	1.63	.95
2032.00	.21	.17	.16	0	76	0	.03	1.89	.92
2033.00	.17	.15	.07	0	41	0	0.00	1.72	.96
2034.10	.15	.13	.08	0	53	0	0.00	1.46	.95
2035.00	.19	.17	.12	0	63	0	.01	1.89	.94
2036.00	.10	.10	.07	0	70	0	0.00	1.16	.94
2037.00	.21	.18	.11	0	52	0	0.00	2.09	.95
2038.00	.14	.12	.11	0	79	0	0.00	1.36	.93

EXPLORATION LOGGING GEOCHEMICAL DATA PRINT

FOR : NORSK HYDRO A/S
WELL : 7219/9-1

Printed at : 14:21
: 11 Apr 1988

	SOURCE BED EVALUATION						FREE HYDROCARBS		
DEPTH m	TOC %wt	PC	S2 mg/g	TMAX degC	S2/TOC HI	S3/TOC OI	S0 mg/g	S1 mg/g	TPI mg/g
Core Samples									
2039.00	.32	.27	.53	428	166	0	0.00	2.74	.84
2040.00	.45	.37	.48	421	107	0	.01	3.91	.89
2041.00	.55	.43	.84	425	153	0	.02	4.37	.84
2042.00	.18	.17	.11	0	61	0	0.00	1.93	.95
2043.00	.83	.40	3.04	438	366	0	0.00	1.83	.38
2043.61	.45	.25	1.01	435	224	0	0.00	2.06	.67
2044.00	.36	.26	.47	429	131	0	.05	2.57	.85
2045.00	.78	.34	2.29	435	294	0	0.00	1.75	.43
2046.00	1.63	.64	6.35	439	390	0	0.00	1.37	.18
2047.00	.34	.29	.28	0	82	0	0.00	3.25	.92
2049.00	.70	.38	1.98	435	283	0	0.00	2.57	.56
2050.00	.48	.36	.63	431	131	0	.02	3.74	.86
2051.00	.69	.45	1.43	433	207	0	.01	3.97	.74
2052.00	.23	.20	.29	0	126	0	0.00	2.08	.88
2053.00	.42	.34	.40	423	95	0	0.00	3.69	.90
2054.00	.61	.44	.82	430	134	0	.01	4.50	.85
2055.00	.35	.30	.29	421	83	0	0.00	3.34	.92
2057.00	.58	.41	.77	426	133	0	0.00	4.22	.85
2058.00	.21	.19	.24	0	114	0	0.00	2.00	.89
2059.00	.50	.50	.76	420	152	0	.03	5.27	.87
2060.00	.31	.26	.35	0	113	0	0.00	2.82	.89
2061.00	.10	.34	.48	421	480	0	0.00	3.61	.88
2062.00	.47	.47	1.11	438	236	0	0.00	4.61	.81
2063.00	.79	.36	1.68	442	213	0	0.00	2.66	.61
2064.00	.74	.56	1.51	433	204	0	0.00	5.24	.78
2065.00	.40	.35	.40	0	100	0	0.00	3.78	.90
2066.00	.21	.18	.16	0	76	0	0.00	2.01	.93
2067.00	.30	.51	.50	0	167	0	0.00	5.65	.92
2068.00	.69	.43	1.44	439	209	0	0.00	3.78	.72
2069.00	.50	.40	.42	0	84	0	0.00	4.44	.91
2070.00	.86	.51	2.33	439	271	0	0.00	3.78	.62
2071.00	.41	.36	.25	0	61	0	0.00	4.05	.94
2072.00	.48	.49	2.19	437	456	0	.01	3.65	.63
2073.00	.64	.54	.51	0	80	0	.11	5.92	.92
2074.00	1.01	.46	2.76	438	273	0	.03	2.70	.50
2075.00	.39	.32	.33	0	85	0	.01	3.48	.91
2076.00	1.90	.92	6.70	440	353	0	.04	4.31	.39
2077.00	.85	.51	1.59	438	187	0	.04	4.47	.74
2078.00	.78	.65	1.86	0	238	0	.10	5.91	.76
2079.00	1.14	.50	3.02	437	265	0	0.00	3.05	.50

EXPLORATION LOGGING GEOCHEMICAL DATA PRINT

FOR : NORSK HYDRO A/S
WELL : 7219/9-1

Printed at : 14:26
: 11 Apr 1988

	SOURCE BED EVALUATION						FREE HYDROCARBS		
DEPTH m	TOC %wt	PC	S2 mg/g	TMAX degC	S2/TOC HI	S3/TOC OI	S0 mg/g	S1 mg/g	TPI mg/g
Core Samples									
2080.00	.64	.31	1.36	437	212	0	0.00	2.39	.64
2081.00	1.03	.51	2.99	438	290	0	0.00	3.18	.52
2082.00	.56	.45	1.89	0	338	0	.01	3.47	.65
2083.00	.31	.27	.17	0	55	0	.02	3.07	.95
2084.00	1.23	.58	2.13	433	173	0	.07	4.82	.70
2085.00	.46	.37	.49	0	107	0	.04	3.94	.89
2086.00	.35	.30	.29	0	83	0	.02	3.35	.92
2087.00	.22	.18	.16	0	73	0	0.00	1.95	.92
2088.00	.28	.23	.18	0	64	0	.02	2.61	.94
2089.00	.38	.33	.27	0	71	0	.04	3.65	.93
2090.00	.64	.48	.85	427	133	0	.01	4.88	.85
2091.00	.67	.49	1.05	428	157	0	.05	4.80	.82
2092.00	.77	.57	1.67	431	217	0	.03	5.13	.76
2093.00	.43	.38	.79	0	184	0	.01	3.79	.83
2094.00	.50	.40	1.04	0	208	0	.02	3.77	.78
2095.00	.73	.60	1.27	427	174	0	.05	5.91	.82
2096.00	.74	.15	1.08	440	146	0	0.00	.67	.38
2097.00	.55	.49	.45	0	82	0	.04	5.39	.92
2098.00	.35	.29	.63	0	180	0	.02	2.81	.82
2099.15	.65	.56	.94	417	145	0	.02	5.83	.86
2100.00	.97	.79	1.36	0	140	0	.19	8.02	.86
2100.75	.95	.58	1.98	432	208	0	.03	5.02	.72
2101.75	.47	.39	.51	0	109	0	.07	4.16	.89
2102.75	.27	.05	.36	438	133	0	0.00	.30	.45
2103.75	.34	.29	.17	0	50	0	.05	3.26	.95
2104.75	.30	.23	.31	0	103	0	.03	2.47	.89
2105.75	.37	.30	.42	0	114	0	.06	3.13	.88
2106.75	.32	.29	.15	0	47	0	.04	3.27	.96
2107.75	.28	.25	.14	0	50	0	.06	2.81	.95
2108.75	.39	.35	.14	0	36	0	.04	3.98	.97
2109.75	.32	.31	.17	0	53	0	.06	3.49	.95
2110.75	.30	.26	.16	0	53	0	0.00	2.94	.95
2111.65	.35	.31	.15	0	43	0	.05	3.58	.96
2112.75	.63	.22	1.45	434	230	0	0.00	1.15	.44
2114.15	.35	.30	.16	0	46	0	.04	3.37	.96

APPENDIX E

QUALITY CONTROL DATA

The following 10% rerun samples were analysed at the wellsite.

EXPLORATION LOGGING GEOCHEMICAL DATA PRINT

FOR : NORSK HYDRO
WELL : 7219/9-1 (10% RERUN SAMPLES)

Printed at : 18:40
: 19 Apr 1988

	SOURCE BED EVALUATION						FREE HYDROCARBS		
DEPTH m	TOC %wt	PC	S2 mg/g	TMAX degC	S2/TOC HI	S3/TOC OI	S0 mg/g	S1 mg/g	TPI mg/g
Cuttings Samples									
1810.00	1.18	.13	1.01	431	86	0	0.00	.57	.36
1830.00	1.21	.21	1.65	431	136	0	0.00	.93	.36
1860.00	1.63	.24	2.08	434	128	0	0.00	.78	.27
1880.00	.99	.08	.68	431	69	0	0.00	.26	.28
1912.00	2.84	.68	7.35	433	259	0	0.00	.88	.11
2152.00	1.46	.24	2.30	435	158	0	0.00	.61	.21
2177.00	1.07	.19	1.85	440	173	0	0.00	.42	.19
2200.00	1.57	.24	2.41	436	154	0	0.00	.49	.17
2230.00	.95	.16	1.49	435	157	0	0.00	.41	.22
2260.00	.84	.06	.61	429	73	0	0.00	.10	.14
2287.00	1.13	.13	1.17	435	104	0	0.00	.34	.23
2310.00	.93	.07	.81	435	87	0	0.00	.07	.08
2335.00	.90	.08	.83	428	92	0	0.00	.09	.10
2357.00	.91	.07	.74	427	81	0	0.00	.09	.11
2382.00	.88	.08	.87	437	99	0	0.00	.15	.15
2407.00	.96	.09	.96	435	100	0	0.00	.12	.11
2435.00	.80	.06	.55	429	69	0	0.00	.17	.24
2462.00	.90	.08	.82	433	91	0	0.00	.14	.15
2487.00	2.37	.21	2.17	442	92	0	0.00	.31	.13
2512.00	1.82	.20	2.15	441	118	0	0.00	.26	.11
2537.00	2.37	.33	3.50	442	148	0	0.00	.49	.12
2560.00	1.75	.35	3.74	441	214	0	0.00	.48	.11
2582.00	1.66	.22	2.34	442	141	0	0.00	.35	.13
2605.00	1.65	.22	2.29	441	139	0	0.00	.38	.14
2630.00	1.55	.23	2.46	442	159	0	0.00	.33	.12
2655.00	1.26	.13	1.37	439	109	0	0.00	.23	.14
2680.00	1.90	.33	2.86	440	151	0	0.00	1.16	.29
2705.00	.67	.07	.57	442	85	0	0.00	.23	.29
2730.00	.55	.08	.55	444	100	0	0.00	.37	.40

10% RERUN QA CONTROL DATA

EXPLORATION LOGGING GEOCHEMICAL DATA PRINT

FOR : NORSK HYDRO
WELL : 7219/9-1 (10% RERUN SAMPLES)

Printed at : 18:37
: 19 Apr 1988

	SOURCE BED EVALUATION						FREE HYDROCARBS		
DEPTH m	TOC %wt	PC	S2 mg/g	TMAX degC	S2/TOC HI	S3/TOC OI	S0 mg/g	S1 mg/g	TPI mg/g
Cuttings Samples									
865.00	.56	.05	.61	421	109	0	0.00	.05	.08
910.00	.76	.05	.55	424	72	0	0.00	.07	.11
920.00	.71	.06	.74	425	104	0	0.00	.01	.01
985.00	.62	.06	.74	426	119	0	0.00	.03	.04
1060.00	.59	.06	.65	426	110	0	0.00	.03	.04
1110.00	.77	.06	.63	427	82	0	0.00	.05	.07
1125.00	.54	.06	.58	426	107	0	0.00	.11	.16
1195.00	.79	.08	.70	423	89	0	0.00	.21	.23
1260.00	.93	.10	1.17	427	126	0	0.00	.06	.05
1270.00	.69	.06	.67	427	97	0	0.00	.04	.06
1395.00	.67	.06	.62	423	93	0	0.00	.13	.17
1410.00	.65	.04	.51	424	78	0	0.00	.03	.06
1455.00	.49	.04	.39	423	80	0	0.00	.05	.11
1470.00	.68	.02	.27	427	40	0	0.00	.01	.04
1515.00	1.00	.05	.63	431	63	0	0.00	.03	.05
1585.00	1.11	.06	.65	431	59	0	0.00	.05	.07
1680.00	.86	.07	.73	426	85	0	0.00	.07	.09
1720.00	.75	.05	.54	428	72	0	0.00	.08	.13
1757.00	.78	.04	.43	427	55	0	0.00	.06	.12
1795.00	1.00	.10	.72	427	72	0	0.00	.43	.37

10% RERUN QA CONTROL DATA

EXPLORATION LOGGING GEOCHEMICAL DATA PRINT

FOR : NORSK HYDRO
WELL : 7219/9-1 (10% RERUN SAMPLES)

Printed at : 18:43
: 19 Apr 1988

	SOURCE BED EVALUATION						FREE HYDROCARBS		
DEPTH m	TOC %wt	PC	S2 mg/g	TMAX degC	S2/TOC HI	S3/TOC OI	SO mg/g	S1 mg/g	TPI mg/g
Core Samples									
1929.50	.74	.08	.84	433	114	0	0.00	.18	.18
1939.00	.52	.04	.37	435	70	0	0.00	.13	.26
1949.00	.37	.05	.48	433	130	0	0.00	.17	.26
1960.00	.25	.21	.22	0	88	0	.03	2.33	.91
1970.00	.09	.12	.24	0	267	0	0.00	1.20	.83
1980.00	.32	.19	.34	0	106	0	0.00	1.91	.85
1987.03	.64	.31	1.11	435	173	0	.01	2.63	.70
1997.00	.38	.34	.30	0	79	0	.03	3.78	.93
2006.00	.15	.11	.13	0	87	0	0.00	1.24	.91
2015.77	.08	.09	.02	440	25	0	0.00	1.01	.98
2026.00	.10	.09	.02	0	20	0	0.00	1.08	.98
2040.00	.45	.36	.47	424	104	0	.03	3.84	.89
2055.00	.36	.30	.30	0	83	0	0.00	3.35	.92
2063.00	.68	.33	1.45	439	213	0	0.00	2.54	.64
2076.00	1.80	.87	6.35	441	353	0	.02	4.07	.39
2086.00	.34	.30	.29	0	85	0	0.00	3.30	.92
2096.00	.79	.15	1.08	437	137	0	0.00	.76	.41
2105.75	.38	.30	.43	0	113	0	.05	3.08	.88
2114.15	.32	.25	.14	0	44	0	0.00	2.92	.95

10% RERUN QA CONTROL DATA

APPENDIX F

LITHOLOGY DATA SHEETS

GEOCHEMICAL ANALYSIS SAMPLE LITHOLOGY DATA
NORSK HYDRO A/S WELL # 7219/9-1
SHEET No 1 DEPTH INTERVAL 720 m to 845 m
GEOCHEM UNIT 175 RIG POLAR PIONEER
GEOCHEMIST M. Wadsworth

DEPTH	PRE-PICKED LITH				ANALYSED LITH	ANALYSED LITHOLOGY DESCRIPTION
	CLYST		SD	DOL		
720	100		TR		No ANALYSIS	HEAVILY CMT CONTAM
725	100		TR		A/A	A/A
730	100				CLAYSTONE	CLYST, LT GY - M GY, BLKY, NON CALC
735	100				CLAYSTONE	CLYST, LGY - LT OLV GY, BLKY - RNDED, NON CALC
740	100				CLAYSTONE	CLYST, A/A
745	100				CLAYSTONE	CLYST, A/A OCC LAM, RR MICROMIC
750	100			TR	CLAYSTONE	A/A
755	100			RR	CLAYSTONE	CLYST, A/A LOC SLTY & MICROMIC
760	100				CLAYSTONE	CLYST, A/A
765	100			TR	CLAYSTONE	CLYST, A/A
770	100				CLAYSTONE	CLYST, PRED M GY, OCC DK GRN GY, SFT - MOD FRM, BLKY, NON CALC
775	100				CLAYSTONE	CLYST, LT - M GY, LOC OLV GY, PRED BLKY, LOC SPEC
780	100				CLAYSTONE	CLYST, A/A
785	100			TR	CLAYSTONE	CLYST, PA GY - LT M GY, BLKY - OCC LMY,
790	100				CLAYSTONE	CLYST, M GY, SFT - FRM, BLKY, LOC SUBFIS, NON CALC
795	100			TR	CLAYSTONE	CLYST, MGY - LT OLV GY, BLKY, LOC SL SPEC, NON CALC
800	100			TR	CLAYSTONE	CLYST, PRED M GY, RR DK GY, BLKY LOC SL SPEC, NON CALC
805	100			TR	CLAYSTONE	CLYST, A/A
810	100				CLAYSTONE	A/A CLYST, LOC DK GY
815	100				CLAYSTONE	A/A, LOC SLTY.
820	100			TR	CLAYSTONE	CLYST, LT M - M GY, BLKY, LOC SUBFISS, LOC SL SLTY, NON CALC
825	100				CLAYSTONE	CLYST, GEN A/A
830	100			TR	CLAYSTONE	A/A
835	100				CLAYSTONE	CLYST, GEN A/A RR DK GY, HD, BLKY,
840	100				No ANALYSIS	NO SAMPLE CAUGHT
845	100			TR	CLAYSTONE	CLYST A/A

GEOCHEMICAL ANALYSIS SAMPLE LITHOLOGY DATA
NORSK HYDRO A/S WELL # 7219/9-1
SHEET No 2 DEPTH INTERVAL 850 m to 975 m
GEOCHEM UNIT 175 RIG POLAR PIONEER
GEOCHEMIST M. Wadsworth

DEPTH	PRE-PICKED LITH				ANALYSED LITH	ANALYSED LITHOLOGY DESCRIPTION
	CLYST		DOL	PYR		
850	100				CLAYSTONE	CLYST, M GY, OCC DK GY, SFT-FRM, OCC HD, BLKY - SUBFISS, NON CALC
855	100				CLAYSTONE	CLYST, PRED M LT GY, PRED BLKY, LOC SUBFISS, NON CALC
860	100				CLAYSTONE	CLYST, A/A, OCC DK GY.
865	100				CLAYSTONE	CLYST, PRED LT M GY, RR DK GY, BLKY, LOC SL SLTY, LOC MICROMIC, NON CALC
870	100				CLAYSTONE	A/A
875	100			RR	CLAYSTONE	CLYST, GEN A/A
880	100				CLAYSTONE	CLYST, A/A
885	100				CLAYSTONE	CLYST, A/A
890	100				CLAYSTONE	A/A
895	100				CLAYSTONE	CLYST, GEN A/A
900	100				CLAYSTONE	CLYST, A/A
905	100				CLAYSTONE	CLYST, A/A
910	100				CLAYSTONE	CLYST, LT M GY, FRM, RR DK GY, BLKY, LOC ANG, NON CALC
915	100		RR		CLAYSTONE	CLYST, A/A
920	100			RR	CLAYSTONE	CLYST, A/A
925	100		SL TR		CLAYSTONE	CLYST, A/A
930	100		SL TR		CLAYSTONE	CLYST A/A
935	100		SL TR		CLAYSTONE	CLYST, V LT - LT GY, RR OLV GY, BLKY, OCC ANG, RR SL SLTY & MICROMIC, NON CALC
940	100				CLAYSTONE	CLYST LT M GY, RR DK GY, BLKY - ANG, NON CALC
945	100				CLAYSTONE	CLYST, A/A
950	100				CLAYSTONE	A/A BCMG ANG
955	100				CLAYSTONE	CLYST, A/A
960	100				CLAYSTONE	CLYST, A/A
965	100				CLAYSTONE	CLYST A/A
970	100				CLAYSTONE	CLYST, LT GY, BLKY - ANG, NON CALC
975	100				CLAYSTONE	CLYST, A/A

GEOCHEMICAL ANALYSIS SAMPLE LITHOLOGY DATA
NORSK HYDRO A/S WELL # 7219/9-1
SHEET No 3 DEPTH INTERVAL 980 m to 1105 m
GEOCHEM UNIT 175 RIG POLAR PIONEER
GEOCHEMIST M. Wadsworth

DEPTH	PRE-PICKED LITH				ANALYSED LITH	ANALYSED LITHOLOGY DESCRIPTION
	CLYST	OOL	PYR	LST		
980	100				CLAYSTONE	CLYST, A/A
985	100				CLAYSTONE	CLYST, A/A
990	100				CLAYSTONE	CLYST, LT GY, BLKY - ANG, RR DK GY, NON CALC
995	100				CLAYSTONE	CLYST, A/A
1000	100				CLAYSTONE	CLYST, LT GY, ANG, NON CALC
1005	100				CLAYSTONE	CLYST, LT GY, BLKY, OCC ANG, LOC SLTY & LOC SL MICROMIC, NON CALC
1010	100				CLAYSTONE	CLYST, A/A
1015	100		RR		CLAYSTONE	CLYST, LT M GY, OCC M GY, ANG - BLKY, LOC SL SLTY, RR MICROMIC, NON CALC
1020	100	Tr			CLAYSTONE	CLYST, GEN A/A
1025	100	Tr	RR	TR	CLAYSTONE	CLYST, GEN A/A, OCC SUBFISS
1030	100	Tr			CLAYSTONE	A/A
1035	100	Tr			CLAYSTONE	CLYST, GEN A/A
1040	100	GD Tr			CLAYSTONE	CLYST, LT GY, BLKY-ANG, LOC SL SLTY, LOC MICROMIC, NON-V SL CALC
1045	100	Tr			CLAYSTONE	CLYST, LT GY, OCC LT M GY, RR OLV GY, BLKY, LOC ANG OR SUBFISS, LOC SL SLTY.
1050	100	SL TR			CLAYSTONE	CLYST, LT M GY, BLKY-ANG, NON CALC
1055	100				CLAYSTONE	CLYST, GEN A/A
1060	100				CLAYSTONE	CLYST, GEN A/A
1065	100				CLAYSTONE	CLYST, A/A
1070	100	TR	SL TR		CLAYSTONE	A/A
1075	100	SL TR			CLAYSTONE	CLYST, A/A
1080	100	TR			CLAYSTONE	CLYST, A/A
1085	100	TR			CLAYSTONE	CLYST, A/A
1090	100				CLAYSTONE	CLYST, GEN A/A, RR DK GY
1095	100	SL TR			CLAYSTONE	CLYST, A/A W/ RR DK GY CLYST
1100	100	Tr			CLAYSTONE	CLYST, M LT GY, OCC LT GY, V RR DK GY, BLKY-SUBFISS-SUBANG, LOC SL MICROMIC NON CALC
1105	100				CLAYSTONE	CLYST, GEN A/A

GEOCHEMICAL ANALYSIS SAMPLE LITHOLOGY DATA
NORSK HYDRO A/S WELL # 7219/9-1
SHEET No 4 DEPTH INTERVAL 1110 m to 1235 m
GEOCHEM UNIT 175 RIG POLAR PIONEER
GEOCHEMIST M. Wadsworth

DEPTH	PRE-PICKED LITH				ANALYSED LITH	ANALYSED LITHOLOGY DESCRIPTION
	CLYST	DOL	LST			
1110	100				CLAYSTONE	CLYST, LT M GY, ANG, RR DK GY, LOC LAM, NON CALC.
1115	100				CLAYSTONE	CLYST, GEN A/A LT MGY - M GY
1120	100				CLAYSTONE	CLYST, GEN A/A
1125	100				CLAYSTONE	CLYST, GEN A/A
1130	100				CLAYSTONE	CLYST, LT M GY, ANG, NON CALC
1135	100				CLAYSTONE	CLYST, GEN A/A
1140	100				CLAYSTONE	CLYST, GEN A/A, BLKY - ANG, LOC MICROMIC
1145	100				CLAYSTONE	CLYST, GEN A/A, PRED BLKY, LOC DK GY.
1150	100				CLAYSTONE	A/A
1155	100				CLAYSTONE	CLYST, LT M GY - M GY, ANG - BLKY, LOC SL MICROMIC, NON CALC
1160	100				CLAYSTONE	CLYST, GEN A/A, OCC DRER GY, LOC LAM.
1165	100				CLAYSTONE	CLYST, LT M - M GY, BLKY - ANG, LOC LAM, LOC SL MICROMIC, NON CALC
1170	100				CLAYSTONE	CLYST, BCMG M GY, LOC LAM, GEN A/A
1175	100	Tr	TR		CLAYSTONE	CLYST, GEN A/A
1180	100	Tr			CLAYSTONE	CLYST, GEN A/A, LOC LAM
1185	100				CLAYSTONE	CLYST, GEN A/A
1190	100				CLAYSTONE	CLYST, LT M - M GY, LOC GRN GY, RR DK GY, BLKY - ANG, NON CALC
1195	100				CLAYSTONE	A/A
1200	100				CLAYSTONE	A/A
1205	100				CLAYSTONE	A/A
1210	100		SL TR		CLAYSTONE	A/A
1215	100				CLAYSTONE	CLYST, V LT GY - LT M GY, BLKY - SUBANG, LOC LAM, LOC SUBFISS
1220	100				CLAYSTONE	A/A OCC SUBFISS
1225	100				CLAYSTONE	CLYST, LT - M GY, BLKY - ANG, LOC LAM, NON CALC
1230	100				CLAYSTONE	CLYST, LT M GY, BLKY, LOC SUBFISS OCC ANG, LOC LAM, NON CALC
1235	100				CLAYSTONE	A/A

GEOCHEMICAL ANALYSIS SAMPLE LITHOLOGY DATA
NORSK HYDRO A/S WELL # 7219/9-1
SHEET No 5 DEPTH INTERVAL 1240 m to 1365 m
GEOCHEM UNIT 175 RIG POLAR PIONEER
GEOCHEMIST M. Wadsworth

DEPTH	PRE-PICKED LITH				ANALYSED LITH	ANALYSED LITHOLOGY DESCRIPTION
	CLYST	DOL	LST	PYR		
1240	100				CLAYSTONE	CLYST, LT GY, LOC M GY, BLKY-ANG, LOC LAM, NON-VSI CALC
1245	100				CLAYSTONE	A/A
1250	100				CLAYSTONE	CLYST, LT M GY, SUBFISS-BLKY, OCC ANG, NON CALC
1255	100				CLAYSTONE	CLYST, LT GY, RR DK GY, BLKY-ANG, LOC SUBFISS
1260	100				CLAYSTONE	CLYST, LT GY, BLKY-SUBANG, OCC SUBFISS, LOC LAM
1265	100	rr			CLAYSTONE	A/A
1270	100				CLAYSTONE	A/A
1275	100				CLAYSTONE	CLYST, LT GY, BLKY-SUBANG
1280	100				CLAYSTONE	CLYST, LT GY, SUBBLKY-OCC SUBFISS, NON CALC
1285	100	Tr		RR	CLAYSTONE	CLYST, LT GY, BLKY-SUBLKY, NON CALC
1290	100	Tr			CLAYSTONE	A/A
1295	100	Tr			CLAYSTONE	A/A
1300	100	Tr			CLAYSTONE	CLYST, GEN A/A, OCC LAM
1305	100	Tr			CLAYSTONE	CLYST, LT M GY, BLKY-SUBFISS
1310	100	Tr			CLAYSTONE	LT/M GY, SUBBLKY-SUBANG, RR SUBFISS, NON CALC
1315	100	Tr			CLAYSTONE	CLYST, M GY, BLKY
1320	100	Tr			CLAYSTONE	A/A
1325	100	Tr	SL TR	SL TR	CLAYSTONE	CLYST, LT GY-LT OLV GY, BLKY-SUBANG, OCC MICROMIC, LOC SLTY
1330	100	Tr			CLAYSTONE	A/A
1335	100				CLAYSTONE	A/A
1340	100				CLAYSTONE	CLYST, LT GY, SUBBLKY-SUBANG, LOC SL SLTY, NON CALC
1345	100				CLAYSTONE	A/A
1350	100				CLAYSTONE	A/A
1355	100				CLAYSTONE	CLYST, LT GY-LT OLV GY, BLKY-SUBANG, LOC SL SLTY.
1360	100				CLAYSTONE	CLYST, LT GY, BLKY-SUBANG, LOC FISS, NON CALC
1365	100				CLAYSTONE	CLYST, LT GY, BLKY, OCC SUBFISS, RR SLTY.

GEOCHEMICAL ANALYSIS SAMPLE LITHOLOGY DATA
NORSK HYDRO A/S WELL # 7219/9-1
SHEET No 6 DEPTH INTERVAL 1370 m to 1495 m
GEOCHEM UNIT 175 RIG POLAR PIONEER
GEOCHEMIST M. Wadsworth

DEPTH	PRE-PICKED LITH				ANALYSED LITH	ANALYSED LITHOLOGY DESCRIPTION
	CLYST	DOL	LST	GLAU		
1370	100	TR			CLAYSTONE	CLYST, LT M GY, BLKY, OCC SUBFISS, RR OLV GY, NON CALC
1375	100				CLAYSTONE	CLYST, A/A
1380	100				CLAYSTONE	A/A OCC SUBANG
1385	100	Tr			CLAYSTONE	CLYST LT M GY, BLKY, OCC SUBANG, NONCALC
1390	100	Tr			CLAYSTONE	A/A
1395	100	Tr			CLAYSTONE	CLYST, LT - M GY, SUBBLKY - SUB ANG, NON CALC
1400	100	Tr	Tr		CLAYSTONE	A/A
1405	100	Tr	Tr		CLAYSTONE	CLYST, LT GY, SUBFISS - SUBBLKY - SUBANG.
1410	100	Tr	Tr		CLAYSTONE	CLYST, M GY, SUBBLKY - SUBFISS, NON CALC
1415	100	Tr	Tr		CLAYSTONE	CLYST, LT - M GY, SUBBLKY, LOC SUBFISS
1420	100	Tr	Tr		CLAYSTONE	CLYST, PRED LT GY, OCC LT M GY, BLKY, OCC SUBFISS, NON CALC
1425	100	Tr	Tr		CLAYSTONE	CLYST, GEN A/A, OCC SPEC W/ GLAU, LOC GRN GY,
1430	100	Tr	Tr		CLAYSTONE	A/A
1435	100	Tr	Tr		CLAYSTONE	A/A
1440	100	Tr	Tr		CLAYSTONE	CLYST, LT - M GY, BLKY, NON CALC
1445	100	Tr	Tr		CLAYSTONE	CLYST, LT/M GY
1450	100	Tr	Tr		CLAYSTONE	CLYST, LT - M GY, BLKY, NON CALC
1455	100	Tr	Tr		CLAYSTONE	CLYST, LT-M GY, BLKY, LOC SUBFISS, OCC SLTY, OCC SL SPEC
1460	100	Tr	Tr		CLAYSTONE	CLYST, GEN A/A RR PAINT FLAKES.
1465	100	Tr	Tr		CLAYSTONE	CLYST, GEN A/A OCC SUBFISS
1470	100	GD Tr	TR	RR	CLAYSTONE	CLYST, M GY, OCC M DK GY, BLKY, LOC SUBFISS, NON CALC
1475	100	GD Tr			CLAYSTONE	CLYST, PRED M GY, OCC LT GY, BLKY, LOC ANG, NON CALC
1480	100	GD Tr		SL TR	CLAYSTONE	CLYST, GEN A/A GD TR GLAU
1485	100	GD Tr		SL TR	CLAYSTONE	CLYST, LT - M GY, BLKY - SUBFISS NON CALC
1490	100	GD TR	TR		CLAYSTONE	A/A
1495	100	Tr	SL TR		CLAYSTONE	LT - M GY, PRED BLKY, NON CALC

GEOCHEMICAL ANALYSIS SAMPLE LITHOLOGY DATA
NORSK HYDRO A/S WELL # 7219/9-1
SHEET No 7 DEPTH INTERVAL 1500 m to 1625 m
GEOCHEM UNIT 175 RIG POLAR PIONEER
GEOCHEMIST M. Wadsworth

DEPTH	PRE-PICKED LITH				ANALYSED LITH	ANALYSED LITHOLOGY DESCRIPTION
	CLYST	DOL	LST	PYR		
1500	100	RR			CLAYSTONE	CLYST LT-DK GY, PRED BLKY
1505	100	RR			CLAYSTONE	CLYST, M GY - M LT GY, BLKY, LOC FISS, LOC ANG. NON CALC
1510	100	TR	SL TR		CLAYSTONE	CLYST, M GY, FISS, NON CALC
1515	100	TR	TR	TR	CLAYSTONE	CLYST, M-DK GY, FISS-SUBBLKY.
1520	100			TR	CLAYSTONE	CLYST, PREM LT M GY.
1525	100		SL TR	SL TR	CLAYSTONE	CLYST, M GY, RR LT-DK GY, SUBFISS, SUBBLKY, NONCALC
1530	100				CLAYSTONE	A/A
1535	100	RR		RR	CLAYSTONE	A/A OCC LT M GY
1540	100				CLAYSTONE	CLYST, M DK GY, SUBFISS, NON CALC
1545	100		SL TR	SL TR	CLAYSTONE	CLYST M-M DK GY, SUBFISS-SUBBLKY, NON CALC
1550	100	GD TR	SL TR	TR	CLAYSTONE	CLYST, M GY, LOC M OLV GY, FISS
1555	100				CLAYSTONE	A/A
1560	100				CLAYSTONE	A/A
1565	100			RR	CLAYSTONE	CLYST M DK GY, SUBFISS LOC MICROMIC, SL CARB, NON CALC
1570	100	TR		SL TR	CLAYSTONE	CLYST, DK GY, HD, FISS, LOC ANG, SL MICROMIC, SL CARB
1575	100	SL TR	SL TR	RR	CLAYSTONE	CLYST GEN A/A OCC M GY
1580	100	V GD TR	RR	RR	CLAYSTONE	CLYST, DK GY, OCC M GY, SUBFISS-SUBBLKY, NON CALC
1585	100	GD TR	TR		CLAYSTONE	CLYST, M-DK GY, BLKY, NON CALC
1590	100	GD TR	RR	TR	CLAYSTONE	CLYST, GEN A/A NON-RR SL CALC
1595	100	TR	GD TR	GD TR	CLAYSTONE	A/A
1600	100		TR	SL TR	CLAYSTONE	A/A
1605	100				CLAYSTONE	A/A
1610	100				CLAYSTONE	A/A
1615	100			SL TR	CLAYSTONE	CLYST, M-DK GY, SUBFIS, OCC BLKY, NON CALC
1620	100		RR		CLAYSTONE	A/A
1625	100			TR	CLAYSTONE	CLYST, M-DK GY, BLKY-ANG NON CALC, TR CALC VEIN

GEOCHEMICAL ANALYSIS SAMPLE LITHOLOGY DATA
NORSK HYDRO A/S WELL # 7219/9-1
SHEET No 8 DEPTH INTERVAL 1630 m to 1755 m
GEOCHEM UNIT 175 RIG POLAR PIONEER
GEOCHEMIST M. Wadsworth

DEPTH	PRE-PICKED LITH				ANALYSED LITH	ANALYSED LITHOLOGY DESCRIPTION
	CLYST	PYR	DOL	LST		
1630	100				CLAYSTONE	CLYST, M DK GY, BLKY - SUBFISS SOME CEMENT CONTAM, PAINT ETC
1635	100				CLAYSTONE	CLYST, GEN A/A, PRED BLKY.
1640	100				CLAYSTONE	CLYST, M-DK GY, BLKY, LOC SUB ANG, NON CALC
1645	100	TR	RR		CLAYSTONE	CLYST, A/A
1650	100		RR		CLAYSTONE	CLYST, LT-DK GY, BLKY, SUSPECT LT GY CLYST IS CAVED!
1655	100		SL TR		CLAYSTONE	CLYST, M-DK GY, BLKY-SUBFISS, NON CALC, LOC CARB
1660	100	TR			CLAYSTONE	CLYST, M-DK GY, PRED SUBFISS, LOC BLKY, OCC CALC FOSS IN CLYST
1665	100			SL TR	CLAYSTONE	CLYST, M-DK GY, BLKY-SUBFISS, OCC CALC VEINS.
1670	100	SL TR		SL TR	CLAYSTONE	CLYST M DK GY-DK GY, SUBFISS RR CARB
1675	100			TR	CLAYSTONE	CLYST M-DK GY, SUBBLKY-SUB FISS, NON CALC
1680	100			TR	CLAYSTONE	CLYST, PRED DK GY, LOC MICROMIC
1685	100			TR	CLAYSTONE	CLYST, PRED M DK GY, SUBFISS - SUBBLKY, LOC MICROMIC
1690	100			TR	CLAYSTONE	CLYST, M DK-M GY, SUBFISS - BLKY, NON CALC
1695	100			TR	CLAYSTONE	A/A
1700	100		RR		CLAYSTONE	A/A
1705	100		RR	SL TR	CLAYSTONE	CLYST, PRED M GY, BLKY-SUBFISS
1710	100	SL TR	RR	V GD TR	CLAYSTONE	CLYST, M-DK GY, BLKY, LOC SUBFISS, LOC MICROMIC
1715	100	SL TR	TR	GD TR	CLAYSTONE	A/A
1720	100	RR	RR	RR	CLAYSTONE	CLYST, M-DK GY, SUBBLKY - SUBFISS, LOC MICROMIC, NON CALC
1725				GD TR	CLAYSTONE	A/A
1730	100	GD TR	Tr	RR	CLAYSTONE	A/A
1735	100	RR	Tr	RR	CLAYSTONE	A/A, occ diss Pyr occ micromic
1740	100	RR	GD TR	Tr	CLAYSTONE	CLYST, M-DK GRY, SUBBLKY-SUBFISS, LOC MICROM, NON CALC.
1745	100		TR	TR	CLAYSTONE	CLYST, M GY, SUBBLKY - BLKY, OCC SUBFISS
1750	100		Tr	RR	CLAYSTONE	A/A, Pred M-GRY, occ Ork.
1755	100		SL TR	TR	CLAYSTONE	CLYST, PRED M GY, OCC DK GY & CARB, SL SLTY, LOC MICRO, BLKY-SUBFISS

GEOCHEMICAL ANALYSIS SAMPLE LITHOLOGY DATA
NORSK HYDRO A/S WELL # 7219/9-1
SHEET No 9 DEPTH INTERVAL 1755 m to 1817 m
GEOCHEM UNIT 175 RIG POLAR PIONEER
GEOCHEMIST M. Wadsworth

DEPTH	PRE-PICKED LITH				ANALYSED LITH	ANALYSED LITHOLOGY DESCRIPTION
	CLYST		PYR	LST		
1755	100			TR	CLAYSTONE	CLYST, PRED M GY, OCC DK GY & CARB, SL SLTY, LOC MICROMIC
1757	100		RR	SL TR	CLAYSTONE	CLYST, PRED M GY, BLKY - SUBFISS
1760	100		SL TR	TR	CLAYSTONE	CLYST, A/A
62	100			RR	CLAYSTONE	CLYST LT M - M GY, RR DK GY, BLKY - SUBFISS
65	100			SL TR	CLAYSTONE	CLYST, A/A
67	100			SL TR	CLAYSTONE	CLYST, LT M - M DK GY, SUBBLKY, NON CALC
70	100			TR	CLAYSTONE	CLYST, M GY, BLKY, OCC SUBFISS
72	100			TR	CLAYSTONE	CLYST, GEN A/A
75	100			TR	CLAYSTONE	CLYST, M GY, FISS - SUBFISS, LOC MICROMIC
77	100			TR	CLAYSTONE	CLYST, GEN A/A
80	100			TR	CLAYSTONE	CLYST, M GY, SUBFISS - SUBBLKY, OCC CARB + FISS, NON CALC
82	100			TR	CLAYSTONE	CLYST, PRED M GY - M DK GY, BLKY - SUBFISS, NON CALC
85	100			TR	CLAYSTONE	CLYST, A/A
87					NO SAMPLE CAUGHT	
90	100			TR	CLAYSTONE	CLYST, M DK GY, PRED SUBFISS, MICROMIC
92	100			TR	CLAYSTONE	CLYST, A/A
95	100			TR	CLAYSTONE	CLYST, A/A
97	100			TR	CLAYSTONE	CLYST, M DK GY, BLKY - SUBFISS LOC MICROMIC, NON CALC
1800	100			TR	CLAYSTONE	CLYST, M DK GY, SUBFISS - BLKY NON CALC
02	100			TR	CLAYSTONE	A/A
05	100			SL TR	CLAYSTONE	A/A
07	100			TR	CLAYSTONE	CLYST, M - M DK GY, SUBFISS, NON CALC
10	100			TR	CLAYSTONE	A/A
12	100			SL TR	CLAYSTONE	CLYST, M - M DK GRY, SUBFISS. OCC FISS, NON CALC.
15	100			SL TR	CLAYSTONE	CLYST, M DK GY - DK GY, OCC OLV BLK, SUBFISS - SUBBLKY, NON CALC
1817	100			TR	CLAYSTONE	CLYST, BCMG FISS, A/A

GEOCHEMICAL ANALYSIS SAMPLE LITHOLOGY DATA
NORSK HYDRO A/S WELL # 7219/9-1
SHEET No 10 DEPTH INTERVAL 1820 m to 1882 m
GEOCHEM UNIT 175 RIG POLAR PIONEER
GEOCHEMIST M. Wadsworth

DEPTH	PRE-PICKED LITH				ANALYSED LITH	ANALYSED LITHOLOGY DESCRIPTION
	CLYST	PYR	SD	LST		
1820	100				CLAYSTONE	CLYSTONE, M-M DK GY, SUBFISS, LOC MICROMIC, NON CALC
1822	100			TR	CLAYSTONE	A/A
1825	100			TR	CLAYSTONE	CLYST, M DK GY - OLV GY, BLKY, OCC SUBFISS, MICROMIC, LOC SLTY
1827	100			TR	CLAYSTONE	A/A
1830	100			TR	CLAYSTONE	CLYST, M DK GY-M DK OLV GY, PRED SUBFISS, MICROMIC, NON CALC
1832	100			TR	CLAYSTONE	A/A
1835	100	SL TR		TR	CLAYSTONE	CLYST, M DK GY, PRED SUBFISS - BLKY.
1837	100			TR	CLAYSTONE	GEN A/A
1840	100			TR	CLAYSTONE	CLYST, M GY, PRED SUBFISS, LOC MICROMIC
1842	100			TR	CLAYSTONE	CLYST, M DK GY, LOC DK OLV GY, PRED SUBFISS, LOC SUBBLKY, LOC MICROMIC, NON CALC
1845	100	SL TR		TR	CLAYSTONE	A/A
1847	100	SL TR		TR	CLAYSTONE	CLYST, GEN A/A
1850	100	TR	GD TR	GD TR	CLAYSTONE	CLYST, M - DK GY, PRED SUBFISS, LOC MICROMIC, LOC CARB
1852	100	RR	TR	GD TR	CLAYSTONE	CLYST, GEN A/A, OCC OLV GY, SD, FRS, W RND, OIC STN. LSE
1855	100	RR	TR	GD TR	CLAYSTONE	A/A TR RD BRN CLYST
1857	100	RR	GD TR	GD TR	CLAYSTONE	A/A V GD TR RD BRN CLYST
1860	100	TR	GD TR	GD TR	CLAYSTONE	CLYST, M GY-BLK, OCC OLV GY, FISS-SUBFISS, MICROMIC, SLTY, LOC SDY, NON CALC
1862	100	TR	GD TR	GD TR	CLAYSTONE	CLYST, GEN A/A, LOC CARB
1865	100		GD TR	TR	CLAYSTONE	CLYST, DK GY, FISS, MICROMIC
1867	100		TR	GD TR	CLAYSTONE	A/A
1870	100		TR	GD TR	CLAYSTONE	CLYST, M - DK GY, FISS, CARB, NON CALC OCC RD BRN
1872	100		GD TR	GD TR	CLAYSTONE	A/A
1875	100		GD TR	GD TR	CLAYSTONE	A/A
1877	100		GD TR	GD TR	CLAYSTONE	A/A
1880	100		V GD TR	GD TR	CLAYSTONE	CLYST, M-DK GY, FISS, OCC ANG, LOC CARB, LOC MICROMIC, NON CALC
1882	100		V GD TR	GD TR	CLAYSTONE	CLYST, DK GY, SUBFISS - BLKY - ANG, LOC CARB, LOC MICROMIC

GEOCHEMICAL ANALYSIS SAMPLE LITHOLOGY DATA
NORSK HYDRO A/S WELL # 7219/9-1
SHEET No 11 DEPTH INTERVAL 1885 m to 1930 m
GEOCHEM UNIT 175 RIG POLAR PIONEER
GEOCHEMIST M. Wadsworth

DEPTH	PRE-PICKED LITH				ANALYSED LITH	ANALYSED LITHOLOGY DESCRIPTION
	CLYST	PYR	SD	AST		
1885	100	RR	V GD TR	GD TR	CLAYSTONE	CLYST, A/A BCMG LIGHTER GY.
1887	80	SL TR	20	TR	CLAYSTONE	CLYST, M-DK GY, BLKY-SUBFISS, LOC MICROMIC, LOC SLTY, TR PYR
1890	80		20	TR	CLAYSTONE	CLYST, A/A BLK-ANG, LOC CARB,
1892	90		10	TR	CLAYSTONE	CLYST A/A BCMG DARKER
1895	90		10	TR	CLAYSTONE	CLYST A/A GD TR RD BRN CLYST — DISCARDED
1897	90		10	GD TR	CLAYSTONE	CLYST GEN A/A
1900	90		10	TR	CLAYSTONE	CLYST GEN A/A
1902	90		10	GD TR	CLAYSTONE	CLYST, DUSKY OLV BRN, V SLTY
1905	100	TR	GD TR	GD TR	CLAYSTONE	CLYST, A/A BCMG V SLTY
1907	100				CLAYSTONE	CLYST, M OLV GY, SUBFISS, V SLTY, NON CALC
1910	100				CLAYSTONE	CLYST, GEN A/A, BRN GY-BRN BLK
1912	100		TR	GD TR	CLAYSTONE	CLYST, GEN A/A, BCMG FISS
1915	100				CLAYSTONE	CLYST, DUSKY BRN, FISS, SLTY, SPEC, NON CALC
1917	100		TR	GD TR	CLAYSTONE	CLYST, GEN A/A
1920	100	RR	TR	GD TR	CLAYSTONE	CLYST, M BRN, OCC DUSKY BRN, SUBFISS-FISS, SLTY, OCC SPEC
1922	100		TR	TR	CLAYSTONE	CLYST GEN A/A
1925	100	RR	TR	TR	CLAYSTONE	CLYST, DK OLV GY, FISS, COM PORC
1927	100	SL TR	GD TR	GD TR	CLAYSTONE	CLYST, M BRN-DSKY BRN, PRED SUBFISS, OCC BLKY.
1930	100	RR	TR	GD TR	CLAYSTONE	CLYST, A/A
CORE # 1					1922.5 - 1929.5M	
1922.5	100				CLAYSTONE	CLYST, DSKY YEL BRN, MOD HD, BLKY, MIC, CARB, SLTY, NON CALC
1923	100				CLAYSTONE	TR BURROWS CLYST
1924	100				CLAYSTONE	CLYST, A/A
1925	100				CLAYSTONE	CLYST, A/A
1926	100				CLAYSTONE	CLYST, A/A
1927	100				CLAYSTONE	CLYST, GEN A/A W/ MUCH SLICK, LESS MIC, LESS CARB

GEOCHEMICAL ANALYSIS SAMPLE LITHOLOGY DATA
NORSK HYDRO A/S WELL # 7219/9-1
SHEET No 12 DEPTH INTERVAL 1928 m to 1951 m
GEOCHEM UNIT 175 RIG POLAR PIONEER
GEOCHEMIST M. Wadsworth

DEPTH	PRE-PICKED LITH				ANALYSED LITH	ANALYSED LITHOLOGY DESCRIPTION
	CLYST	SLTST	PYR	SST		
1928	100				CLAYSTONE	CLYST, A/A
1929	100				CLAYSTONE	CLYST, A/A
1929.5	100				CLAYSTONE	CLYST, DUSKY YEL BRN, MOD HD, BLKY, MIC, NON CALC, TR BURROWS
	CORE # 2 1930 - 1958					
1930	100		TR		CLAYSTONE	CLYST, DUSKY, YEL BRN, MOD HD - HD, BRT, BLKY - PLTY, MICROMIC, RR CARB,
1931	100				CLAYSTONE	PYR BURROWS, SLTY, NON CALC A/A
1932	100				CLAYSTONE	CLYST, GEN A/A, TR CARB
1933	100				CLAYSTONE	A/A
1934	100				CLAYSTONE	A/A
1935	100				CLAYSTONE	A/A
1936	100				CLAYSTONE	A/A W/ TR WOOD FRAG
1938	100				CLAYSTONE	A/A
1939	100				CLAYSTONE	A/A
1940	100				CLAYSTONE	A/A
1941	100				CLAYSTONE	A/A
1942	100				CLAYSTONE	CLYST, GEN A/A, V SLTY
1943	100				CLAYSTONE	A/A
1944	100				CLAYSTONE	A/A
1945	100				CLAYSTONE	CLYST, DUSKY YEL BRN - OLV GY, HD, BRT, PLTY - BLKY, SLTY - V SLTY, MICROMIC, TR
1946	100				CLAYSTONE	MICRO PYR, OCC SLICK, NON CALC A/A W/ TR V SLO DUSKY YEL WH FLU, CRUSH CUT
1947	100				CLAYSTONE	A/A W/ BIOTURB
1948	100				CLAYSTONE	A/A W/ BIOTURB
1949		100			SILTSTONE	SLTST, OLV GY - DUSKY YEL BRN, HD, BRT, PLTY, MICROMIC, MICRO PYR, GLAU
1949.6				100	SANDSTONE	DUSKY YEL BRN - OLV BLK, DK YEL BRN, NON CALC CLR QTZ, VF - M, PRED F, SUBANG, PR
1950				100	SANDSTONE	SRT, HD, SILIC CMT, ARG MTX, MICROMIC GLAU, 5% PATCHY DULL YEL FLU, TR
1951				100	SANDSTONE	FAST STRMG BLU WH CUT.

GEOCHEMICAL ANALYSIS SAMPLE LITHOLOGY DATA
NORSK HYDRO A/S WELL # 7219/9-1
SHEET No 13 DEPTH INTERVAL 1952 m to 1975 m
GEOCHEM UNIT 175 RIG POLAR PIONEER
GEOCHEMIST M. Wadsworth

DEPTH	PRE-PICKED LITH				ANALYSED LITH	ANALYSED LITHOLOGY DESCRIPTION
				SST		
1952				100	SANDSTONE	SST, GEN A/A, DUSKY YEL BRN, F-UF, V BIOTURB, TR GLAU,
1953				100	SANDSTONE	A/A LOC ARG SUBLAM, DISCONT, W BIOTURB, 100% DULL YEL FLU, FAST STRMG BL WH CUT
1954				100	SANDSTONE	A/A
1955				100	SANDSTONE	A/A
1956				100	SANDSTONE	SST, DK-DUSKY YEL BRN, TR MICROMIC, TR GLAU, LOC ARG, V HOMOG DUE TO BIOTURB
1957				100	SANDSTONE	A/A STRONG H_2S SMELL, WK PET ODOUR, 100% FLU A/A
1958				100	SANDSTONE	A/A
	CORE # 3				1958 - 1984.75M	
1958				100	SANDSTONE	SST, DK-DUSKY YEL BRN, F-VF, HD, BRIT, NON CALC, SILIC CMT,
1959				100	SANDSTONE	SLTY, MICROMIC, CARB, TR GLAU, BIOTURB
1960				100	SANDSTONE	GEN A/A
1961				100	SANDSTONE	SST, A/A, WK PET ODOUR, 100% LT BRN STN, 100% WK YEL FLU, FAST STRMG BL WH CUT FLU
1962				100	SANDSTONE	A/A
1963				100	SANDSTONE	SST, LT GY, QTZ, UF-F, V HD, BRIT, V SD CALC CMT, SILIC CMT, TR MICROMIC, TR GLAU, TR CARB, BIOTURB
1964				100	SANDSTONE	A/A
1965				100	SANDSTONE	SST, DK YEL BRN, CLR QTZ, UF-M, SUBRND-SUBANG, NON CALC, PR SILIC
1966				100	SANDSTONE	CMT, TR GLAU, TR MICROMIC, TR MICRO PYR.
1967				100	SANDSTONE	A/A
1968				100	SANDSTONE	SST, GEN A/A BCMG DK YEL BRN
1969				100	SANDSTONE	SST, DK YEL BRN, F-UF, NON CALC, SL SLTY, LOC SL ARG, BIOTURB, 100% LT BRN STN,
1970				100	SANDSTONE	WK DULL YEL FLU, SLO-FAST, STRMG BL WH FLU CUT
1971				100	SANDSTONE	SST, A/A W/ DISCON IRR LAM OF CARB/ ARG, TR MICROMIC
1972				100	SANDSTONE	A/A
1973				100	SANDSTONE	SST, GEN A/A W/ ROOTS
1974				100	SANDSTONE	SST, DK-PL YEL BRN, VF-F, HD-MOD HD, NON CALC, SILIC CMT, LOC TR ARG MTX, SL
1975				100	SANDSTONE	SLTY, TR GLAU, BIOTURB, 100% V WK DULL YEL FLU, SLO STMG BLU WH FLU CUT

GEOCHEMICAL ANALYSIS SAMPLE LITHOLOGY DATA
NORSK HYDRO A/S WELL # 7219/9-1
SHEET No 14 DEPTH INTERVAL 1976 m to 1996 m
GEOCHEM UNIT 175 RIG POLAR PIONEER
GEOCHEMIST M. Wadsworth

DEPTH	PRE-PICKED LITH				ANALYSED LITH	ANALYSED LITHOLOGY DESCRIPTION
				SST		
1976				100	SANDSTONE	SST, A/A LOC TR ARG MTX, ASSOC W/ BURROW, RR TR CARB, TR MICROMIC, TR PYR
1977				100	SANDSTONE	A/A
1978				100	SANDSTONE	SST, DK YEL BRN, VF-F, MD-MOD HD, NON CALC, SILICMT, SL SLTY, COM DISCON
1979				100	SANDSTONE	IRREG ARG LAM, BIOTURB, TR GLAU, 100% V WK DULL YEL FLU, SLO STRMG BLU WH
1980				100	SANDSTONE	CUT FLU: A/A
1981				100	SANDSTONE	SST, GEN A/A SLTG DARKER, COM ARG MTX, LOC CARB WOOD FRAGS, COM BUR, LOC TR MICROMIC, LOC TR MICRO PYR;
1982				100	SANDSTONE	A/A
1983				100	SANDSTONE	A/A
1984				100	SANDSTONE	SST, GEN A/A
1984.75				100	SANDSTONE	SST, MOT OLV GY, M LT GY, DUSKY YEL BRN, VF-F, V HD, BRIT, V GD CALC CMT, TR CARB TR MICROMIC, RR TR GLAU, BIOTURB, POSS WOOD FRGS.
		CORE # 4			1984.75 – 1987.60	
1984.75				100	SANDSTONE	SST, LT GY - LT BRN GY, QTZ, VF-F, SUBANG-SUBRND, W SRTD, MD-V HD, W CALC CMTD, TR MIC, TR FELD, TR CARB, FLAZERBED 20-40% DULL YEL FLU, SLO BLUMING YEL WH FLU CUT
1985.60				100	SANDSTONE	
1986.30				100	SANDSTONE	SST, PL BRN - LI BRN GY, QTZ, VF-F, SUBRND-SUBANG, W SRTD, MOD HD - HD, SILICMT,
1987.03				100	SANDSTONE	TR MIC, TR FELD, TR PYR, FLAZERBED, 100% DULL YEL FLU, SL-MOD BL/WH STMG
1987.60				100	SANDSTONE	CUT A/A
		CORE # 5			1988 – 2015.85	
1988				100	SANDSTONE	SST, DK YEL BRN - DUSKY YEL BRN, MOD HD - HD, M DK GY - LT BRN - CLR
1989				100	SANDSTONE	QTZ, VF-F, SL MIC, SL CARB, SILIC CMT, 100% DULL YEL BRN FLU, MOD -
1990				100	SANDSTONE	INSTANT YEL WH CUT FLU. A/A
1991				100	SANDSTONE	A/A
1992				100	SANDSTONE	A/A
1993				100	SANDSTONE	SST, DK YEL BRN - PL BRN, QTZ, VF-F, SUBANG, MOD HD, SL MIC, SL CARB
1994				100	SANDSTONE	TR PYR, MOD PET ODOUR, 100% BRN - YEL FLU, FAST YEL WH CUT FLU.
1995				100	SANDSTONE	A/A CALC CMT AT 1994.35
1996				100	SANDSTONE	SST GEN A/A, SL ARG MTX, FLU BCMG DULL YEL

GEOCHEMICAL ANALYSIS SAMPLE LITHOLOGY DATA
NORSK HYDRO A/S WELL # 7219/9-1
SHEET No 15 DEPTH INTERVAL 1997 m to 2021 m
GEOCHEM UNIT 175 RIG POLAR PIONEER
GEOCHEMIST M.Wadsworth / H. Gronning

DEPTH	PRE-PICKED LITH				ANALYSED LITH	ANALYSED LITHOLOGY DESCRIPTION
				SST		
1997				100	SANDSTONE	SST, PL- DR YEL BRN, QTZ, F, SUBRND, WSRTD, MOD HD, SILIC CMT, SL MIC,
1998				100	SANDSTONE	SL CARB, TR GLAU, TR PYR, 100% YEL FLU, MOD BL WH STRMG CUT
1999				100	SANDSTONE	SST, GEN A/A SL TR KAOL MTX
2000				100	SANDSTONE	A/A
2001				100	SANDSTONE	A/A
2002				100	SANDSTONE	SST, GY ORG PK, DK YEL BRN, QTZ, F-VF, MOD SRTD, MOD HD, SL MIC, SILIC CMT, TR GLAU, TR PYR
2003				100	SANDSTONE	100% DULL YEL FLU, MOD BLU WH STRMG CUT
2004				100	SANDSTONE	A/A V SLO STRMG BL WH CUT FLU
2005				100	SANDSTONE	A/A
2006				100	SANDSTONE	SST, PL BRN, QTZ, F, SUBANG - SUBRND, WSRTD, MOD HD, SILIC CMT, TR ARG, TR
2007				100	SANDSTONE	GLAU, V SL MIC, TR PYR, V DULL YEL FLU V SLO BLU WH STRMG FLU CUT
2008				100	SANDSTONE	A/A
2009				100	SANDSTONE	SST, PA BRN - LT OLV GY, QTZ, F, SUBANG, W SRTD, MOD HD, TR PYR, TR GLAU, SILIC
2010				100	SANDSTONE	CMT, MOD POR, 100% DULL YEL FLU SLO - V SLO BL WH STRMG CUT
2011				100	SANDSTONE	A/A
2012				100	SANDSTONE	A/A
2013				100	SANDSTONE	SST, PL BRN, QTZ, VF-F, SUBANG - SUBRND, MOD - W SRTD, MOD HD, SILIC
2014				100	SANDSTONE	CMT, TR PYR, TR GLAU, TR MICA, TR CARB, FLU A/A,
2014.7				100	SANDSTONE	A/A
2015.77				100	SANDSTONE	A/A
CORE # 6 2015.85 - 2044.0						
2017				100	SANDSTONE	SST, pl yel brn, mod hrd - fri, clr - lt gry. qtz vf-f, ang - sbang, occ sbrnd.
2018				100	SANDSTONE	Well srtd. rr fr. blance silic cmt. mod - good vis por occ lam w/
2019				100	SANDSTONE	blk carb matr. pos residual oil. occ sl tr of oil stain. 100% dull yel
2020				100	SANDSTONE	flu. inst - fast streaming. blu wh flu cut lt yel flu res
2021				100	SANDSTONE	a/a

GEOCHEMICAL ANALYSIS SAMPLE LITHOLOGY DATA
NORSK HYDRO A/S WELL # 7219/9-1
SHEET No 16 DEPTH INTERVAL 2022 m to 2045 m
GEOCHEM UNIT 175 RIG POLAR PIONEER
GEOCHEMIST GRØNNING

DEPTH	PRE-PICKED LITH	ANALYSED LITH	ANALYSED LITHOLOGY DESCRIPTION
2022	SST 100	SANDSTONE	a/a
2023	100	SANDSTONE	a/a but sl more cmt, show a/a but init = mod strong flu cut.
2024	100	SANDSTONE	a/a dk res lam, show as 22
2024,95	100	SANDSTONE	as for 22 a/a
2026	100	SANDSTONE	a/a
2027	100	SAND STONE	a/a
2028	100	SANDSTONE	a/a f, sub ang - sbrnd, tr res 100 mod flu dls a/a
2029	100	SANDSTONE	a/a
2030	100	SANDSTONE	a/a
2031	100	SANDSTONE	a/a sb ang - occ subrnd, a/a
2032	100	SANDSTONE	a/a vf, ang - subang, occ subrnd, mod por odor
2033	100	SANDSTONE	a/a weak pl odor
2034,10	100	SANDSTONE	a/a mod strng
2035	100	SAND STONE	SST: a/a f, vf ang - subang show a/a
2036	100	SANDSTONE	a/a show dull yel flu slow strng
2037	100	SANDSTONE	vf - f show mod flu, fast dull mod.
2038	100	SAND STONE	a/a
2039	100	SANDSTONE	a/a mod / fast
2040	100	SANDSTONE	a/a
2041	100	SANDSTONE	abundant glauc a/a
2042	100	SANDSTONE	a/a mod / mod
2043	100	SANDSTONE	a/a mod / fast
2043,61	100	SANDSTONE	f dull / mod
	CORE	# 7 2044 -	2071,67
2044	100	SANDSTONE	SST: dk yel brn, mod hrd - hrd, clr - mlt dy - ply yel brn, occ m gy, att
2045	100	SANDSTONE	vf - f, rr m, ang - subang, rr subrnd, w srtd, occ thin lam w/dk carb →

GEOCHEMICAL ANALYSIS SAMPLE LITHOLOGY DATA

NORSK HYDRO A/S WELL # 7219/9-1

SHEET No 17 DEPTH INTERVAL 2046 m to 2071 m

GEOCHEM UNIT 175 RIG POLAR PIONEER

GEOCHEMIST GRØNNING

DEPTH	PRE-PICKED LITH				ANALYSED LITH	ANALYSED LITHOLOGY DESCRIPTION
				SST		
2046				100	SANDSTONE	larg mst, silic cmt, occ arg mtx, pr vis pov. show: Weak pet odour 100%
2047				100	SANDSTONE	dull - mod yel fluo, mod - fast strmg, blu wh fluo cut, no vis cut (l yel fluo res, no vis res.
2048				100	SANDSTONE	thin lam of sh, dusky yel brn, olv gy, hd fis, sl slty, v mic. show 9/a.
2049				100	SANDSTONE	SST: dk yel brn, mod hrd - hrd, clr - m ltgy - pl yel brn, occ m gy qtz, vf - f vrn, arg - sub arg, vr sub rnd, well srtd, occ thin
2050				100	SANDSTONE	a/a show a/a.
2051				100	SANDSTONE	
2052				100	SANDSTONE	lam of sh: dusky yel brn - brn - blk, hrd, fis. 9/a.
2053				100	SANDSTONE	9/a.
2054				100	SANDSTONE	9/a
2055				100	SANDSTONE	9/a
2056				100	SANDSTONE	9/a
2057				100	SANDSTONE	SST: dk yel brn, hd, clr - milky - lt brn, dk gy, Qtz, crs - vf, rnd - ang,
2058				100	SANDSTONE	v pr srtd, qd tr glauc, silic cmt, mod vis por. show: a/a
2059				100	SAND STONE	9/a Show: Weak pet odour, 100% dull yel fluo, mod - slow blu wh flu cut
2060				100	SANDSTONE	SST: dk yel brn, v hrd, ltgy - m lt brn, m gy - Qtz, m, rnd - well rnd, v well cmtd
2061				100	SANDSTONE	w calc cmt, no vis por. Now show SST: a/a show
2062				100	SANDSTONE	SST: dk yel brn, hd, clr - lt brn, occ dk gy Qtz, vf - f, ang - sub ang, well srtd, tr glauc and
2063				100	SANDSTONE	pyr, occ thin lam of dk carb/arg mst silic cmt, mod - pr vis por. show: Weak pet
2064				100	SAND STONE	odour, 100% dull yel fluo, fast - slow blu wh fluo cut, no vis cut. l yel fluors, no vis res
2065				100	SANDSTONE	9/a a/a
2066				100	SAND STONE	9/a a/a
2067				100	SANDSTONE	9/a 9/a.
2068				100	SAND STONE	9/a 9/a.
2069				100	SANDSTONE	Sh: dusky yel brn, hd, fis, slty, mic
2070				100	SAND STONE	SST: dk yel brn - dusky yel brn, mod hd -
2071				100	SAND STONE	hd, arg - subrnd, mod well srtd, mod vis por shows

●®

GEOCHEMICAL ANALYSIS SAMPLE LITHOLOGY DATA

NORSK HYDRO A/S WELL # 7219/9-1

SHEET No 18 DEPTH INTERVAL 2072 m to 2097 m

GEOCHEM UNIT 175 RIG POLAR PIONEER

GEOCHEMIST GRØWNING

DEPTH	PRE-PICKED LITH				ANALYSED LITH	ANALYSED LITHOLOGY DESCRIPTION
	SH			SST		
			CORE #8 2071.7 - 2099.4			
2072				100	SANDSTONE	
2073				100	SANDSTONE	
2074				100	SANDSTONE	
2075				100	SANDSTONE	
2076				100	SANDSTONE	SST: dk yel brn, mod hd - hd, clr - mgy - ltbrn, Qtz, f - vf, rrm, mod - well srtd, silic cmt
2077				100	SANDSTONE	por vis por w/ blk arg lam. Shows: weak pet odour, 100 % dull -
2078				100	SANDSTONE	mod yel flu, slow - fast blu wh cut, movis cut lt yel vis res, no vis res
2079	100				SHALE	Sh: dkr blk, hd, sl slty, mic
2080				100	SANDSTONE	SST a/a Show: a/a
2081	100				SHALE	Sh: olv blk, hd, sl slty, mic, ~~tr of glauc~~ lam of pyr
2082				100	SANDSTONE	SST: dk yel brn, dusky brn, mod hd - fri, vf - m, rr crs, sub ang - sub rnd, dom silic
2083				100	SANDSTONE	cmt, occ calc cmt, gd vis por.
2084				100	SANDSTONE	SST: a/a gen but dom fand pr vis por.
2085				100	SANDSTONE	SST: a/a but gd vis por Show a/a
2086				100	SANDSTONE	SST: dk yel brn - dusky brn, clr - mgy - ltbrn qtz, mod hd - fri, vf - m,
2087				100	SANDSTONE	rr crs, ang - sub rnd, dom silic cmt, rr calc cmt, gd vis por.
2088				100	SANDSTONE	Shows: weak - mod pet odour, dull - mod
2089				100	SANDSTONE	yel flu, slow fast blu wh flu cut, novis cut, lt yel flu res, novis res
2090				100	SANDSTONE	a/a
2091	100				SHALE	Sh: a/a a/a
2092				100	SANDSTONE	SST: dk yel brn - dusky brn, mod hd - fri, gen f, occ vf - m, ang - sb ang, rr sub
2093				100	SANDSTONE	rnd, mod - well srtd, gd - pr vis por, Shows: pet odour, mod bright - dull flu,
2094				100	SANDSTONE	slow - fast blu wh flu cut, novis cut, lt yel flu res novis res.
2095				100	SANDSTONE	SST: dk yel brn, hd, clr ltbrn, mgy. Qtz, slty, grdg slst, tr pyr, silic cmt, no vis por.
2096				100	SANDSTONE	now show
2097				100	SANDSTONE	→ fast - slow strong blu wh flu cut a/a. Show pet odour mod bright - dull flu.

GEOCHEMICAL ANALYSIS SAMPLE LITHOLOGY DATA

NORSK HYDRO A/S WELL # 7219/9-1

SHEET No 19 DEPTH INTERVAL 2098 m to 2132 m

GEOCHEM UNIT 175 RIG POLAR PIONEER

GEOCHEMIST GRØNNING

DEPTH	PRE-PICKED LITH SH	SLTST		SST	ANALYSED LITH	ANALYSED LITHOLOGY DESCRIPTION
2098				100	SANDSTONE	SST: dk yel brn - dusky brn, mod hd, clr - md k gry, lt brn Qtz, f-vf, ang - sub ang,
2099				100	SANDSTONE	dom silic cmt, occ tr calc matx, gen gd occ pr por. show a/c.
			CORE	# 9	2099,40 - 2114,15	
2100				100	SANDSTONE	SST: dk yel brn, mod hd - hd, clr - m lt gy - pl yel brn Qtz, vf - f, ang - sub ang, sl
2101				100	SANDSTONE	well srtd, v v mrnd, tr dk min specs, silic cmt, por - mod in por. show
2102				100	SANDSTONE	NOV shows SST: a/a
2103				100	SANDSTONE	show: weak pet odour, dull yel flu, slow - mod bluwh strmg cut, lt yel flu res.
2104				100	SANDSTONE	a/a a/a
2105				100	SANDSTONE	a/a a/a
2106				100	SANDSTONE	a/a a/a
2107				100	SANDSTONE	a/a a/a
2108				100	SANDSTONE	a/a a/a
2109				100	SANDSTONE	SST: dk yel brn, fri - mod hd, clr - lt brn,
2110				100	SANDSTONE	f-vf, ang - sub rnd, mod srtd, silic cmt, pr - mod vis por.
2111				100	SANDSTONE	show: weak pet odour 100% mod - dull
2112				100	SANDSTONE	yel flu, mod - fast strmg blu wh flu cut, nv vis cut, lt yel flu res, vis res.
2113				100	SANDSTONE	a/a a/a
2114				100	SANDSTONE	a/e a/a
2115	70			30	SHALE	sh: gy blk - dk gy, mod hd, ang brk
2118	90			10	SHALE	occ slty.
2120	90			10	SHALE	a/a
2122	70			30	SHALE	a/a
2125	50			50	SHALE	a/a
2127	50			50	SHALE	a/a
2130	40			60	SHALE	a/a
2132	30	10		60	SHALE	a/a

GEOCHEMICAL ANALYSIS SAMPLE LITHOLOGY DATA
NORSK HYDRO A/S WELL # 7219/9-1
SHEET No 20 DEPTH INTERVAL 2135 m to 2197 m
GEOCHEM UNIT 175 RIG POLAR PIONEER
GEOCHEMIST H. GRØNNING

DEPTH	PRE-PICKED LITH				ANALYSED LITH	ANALYSED LITHOLOGY DESCRIPTION
	SH	SLTST	LST	SST		
2135	30	20		50	SHALE	sh
2137	20	30		50	SHALE	a/a
2140	20	40		40	SHALE	a/a
2142	30	40		30	SHALE	a/a
2145	30	30		40	SHALE	a/a
2147	30	40		30	SHALE	a/a
2150	30	30	10	30	SHALE	sh: dkly gy - gy blk, mod hrd, arg
2152	30	30	10	30	SHALE	brn, sl slty
2155	30	20	10	40	SHALE	sh: a/a
2157	30	30	10	30	SHALE	sh: a/a
2160	10	40	10	40	SHALE	sh: a/a.
2162	10	60	10	20	SHALE	a/a.
2165	10	10	10	70	SHALE/SILTSTONE	SLTST: lt brn - ltgy, mod hd, blky, sl sd.
2167	20	40	10	30	SHALE/SILTSTONE	a/a ab mic
2170	30	50	10	10	SHALE/SILTSTONE	a/a
2172	20	20	10	50	SHALE/SILTSTONE	a/a
2175	20	20	10	50	SHALE/SILTSTONE	a/a
2177	20	20	10	50	SHALE/SILTSTONE	a/a
2180	10	20	TR	70	SHALE/SILTSTONE	a/a Very little material also SAND ST
2182	10	40	TR	50	SHALE/SILTSTONE	a/a
2185	20	40	10	30	SHALE/SILTSTONE	a/a
2187	20	50	TR	30	SHALE/SILTSTONE	a/a
2190	20	40	10	20	SHALE	a/a
2192	20	60	10	10	SHALE/SILTSTONE	a/a
2195	30	60	10	TR	SHALE/SILTSTONE	a/a
2197	40	50	10	TR	SHALE/SILTSTONE	a/a

GEOCHEMICAL ANALYSIS SAMPLE LITHOLOGY DATA
NORSK HYDRO A/S WELL # 7219/9-1
SHEET No 21 DEPTH INTERVAL 2200 m to 2262 m
GEOCHEM UNIT 175 RIG POLAR PIONEER
GEOCHEMIST GRØNNING.

DEPTH	PRE-PICKED LITH				ANALYSED LITH	ANALYSED LITHOLOGY DESCRIPTION
	SH	SLTST	LST	SST		
2200	30	40	10	10	SHALE/SILTSTONE	a/a
2202	30	50	TR	T20	SHALE/SILTSTONE	SILTSTONE contain ab mica.
2205	20	50	TR	30	SHALE	a/a
2207	10	50	TR	40	SHALE	a/a
2210	10	50	TR	40	SHALE	a/a
2212	10	50	TR	40	SHALE	a/a
2215	10	50	TR	40	SHALE	a/a
2217	10	50	TR	40	SHALE	a/a occ dkbrn
2220	10	50	TR	30	SHALE/SILTSTONE	a/a
2222	10	50	TR	40	SHALE/SILTSTONE	a/a
2225	10	40	TR	50	SHALE/SILTSTONE	a/a
2227	10	40	TR	50	SHALE/SILTSTONE	a/a
2230	10	40	TR	50	SHALE	a/a
2232	10	40	TR	50	SHALE	SLTST: occ blk, hrd, shiny
2235	10	40	TR	50	SHALE	SLTST: a/a occ lt gy, fm, sty bulk
2237	10	40	TR	50	SHALE	a/a
2240	10	30	TR	60	SHALE	a/a
2242	20	30	TR	50	SHALE	a/a
2245	20	30	TR	50	SHALE	a/a
2247	20	30	TR	50	SHALE/SILTSTONE	SLTST: pa-mgry, occ dgry, mod-fm
2250	40	30	TR	30	SHALE	Sh: gnblk, mod fm-hrd, blky, occ
2252	50	10	TR	40	SHALE	Sub fss.
2255	50	10	TR	40	SHALE	a/a
2257	40	30		30	SHALE	a/a
2260	80	10		10	SHALE	a/a
2262	80	10		10	Shale	a/a

GEOCHEMICAL ANALYSIS SAMPLE LITHOLOGY DATA

NORSK HYDRO A/S WELL # 7219/9-1

SHEET No 22 DEPTH INTERVAL 2265 m to 2327 m

GEOCHEM UNIT 175 RIG POLAR PIONEER

GEOCHEMIST GRØNNING.

DEPTH	PRE-PICKED LITH SH	SLTST	LST	SST	ANALYSED LITH	ANALYSED LITHOLOGY DESCRIPTION
2265	50	10		40	SHALE	a/a
2267	70	10		20	SHALE	a/a
2270	60	10		30	SHALE	a/a
2272	50	TR		50	SHALE	a/a
2275	40	TR		60	SHALE	a/a
2277	40			60	SHALE	a/a
2280	30			70	SHALE	a/a
2282	30			70	SHALE	a/a
2285	30	TR		70	SHALE	a/a
2287	30	TR		70	SHALE	a/a
2290	30	TR		70	SHALE	Sh: dk gy - dk gy blk, frm - mod hrd,
2292	60			40	SHALE	occ shiny, ang - sub blk occ carb
2295	60			40	SHALE	mat.
2297	40	10		50	SHALE	a/a
2300	20	10		70	SHALE	a/a
2302	30	10		60	SHALE	a/a
2305	30	10	TR	60	SHALE	a/a
2307	30	10		60	SHALE	a/a occ dk brn shiny clay, dom
2310	40	10		50	SHALE	a/a
2312	40	10		50	SHALE	a/a
2315	40	10		50	SHALE	a/a
2317	30	10		60	SHALE	a/a
2320	30	10	TR	60	SHALE	a/a
2322	30	10	TR	60	SHALE	a/a
2325	30	10	TR	60	SHALE	a/a
2327	30	10	TR	60	SHALE	a/a

GEOCHEMICAL ANALYSIS SAMPLE LITHOLOGY DATA
NORSK HYDRO A/S WELL # 7219/9-1
SHEET No 23 DEPTH INTERVAL 2330 m to 2392 m
GEOCHEM UNIT 175 RIG POLAR PIONEER
GEOCHEMIST GRØNNING

DEPTH	PRE-PICKED LITH				ANALYSED LITH	ANALYSED LITHOLOGY DESCRIPTION
	SH	SLTST	DOL ~~LST~~	SST		
2330	30	10		60	SHALE	a/a
2332	30	10		60	SHALE	Sh: mgy, olv gy dk-m gy, mod sft occ mod hd, blky, n. calc.
2335	30	10		60	SHALE	a/a
2337	30	10	TR	60	SHALE	a/a
2340	30	10	TR	60	SHALE	a/a
2342	30	10	TR	60	SHALE	a/a
2345	40	10		50	SHALE	a/a
2347	80	10		~~10~~	SHALE	Sh: mdk gy, frm occ mod hd,
2350	60	20		20	SHALE	blky - sub blky, occ sub fis, n. calc.
2352	60	20		20	SHALE	a/a
2355	60	20		20	SHALE	a/a
2357	50	20		30	SHALE	a/a
2360	20	20		60	SHALE	a/a
2362	20	20		60	SHALE	a/a
2365	20	20		60	SHALE	a/a
2367	20	20		60	SHALE	a/a
2370	30	10		60	SHALE/SILTSTONE	a/a
2372	40	10		50	SHALE/SILTSTONE	Sh: m ltgy, occ mdk gy, frm - mod
2375	50	TR		50	SHALE/SILTSTONE	hd, occ sft, sub blky, occ sub fis,
2377	50	10		40	SHALE/SILTSTONE	n. calc.
2380	50	10		40	SHALE/SILTSTONE	SLTST: lt brn - olv gy, m lkg, frm, occ blky
2382	50	10		40	SHALE/SILTSTONE	a/a
2385	50	20		30	SHALE	a/a
2387	50	20		30	SHALE	a/a
2390	50	20		30	SHALE	a/a
2392	50	30		20	SHALE	

GEOCHEMICAL ANALYSIS SAMPLE LITHOLOGY DATA
NORSK HYDRO A/S WELL # 7219/9-1
SHEET No 24 DEPTH INTERVAL 2395 m to 2457 m
GEOCHEM UNIT 175 RIG POLAR PIONEER
GEOCHEMIST GRØNNING

DEPTH	PRE-PICKED LITH				ANALYSED LITH	ANALYSED LITHOLOGY DESCRIPTION
	SH	SLIST	DOL	SST		
2395	40	30	TR	30	SHALE	a/a
2397	40	30		30	SHALE	a/a
2400	40	30	TR	30	SHALE	Sh: md dk gy - md gy, frm - hd,
2402	30	30		40	SHALE	occ sft, blky - sb blky, n. calc.
2405	30	30		40	SHALE	a/a
2407	30	30		40	SHALE	a/a
2410	30	30	TR	40	SHALE	a/a
2412	30	30		40	SHALE	a/a
2415	30	20	TR	50	SHALE	a/a
2417	30	20		50	SHALE	a/a
2420	LOST IN TRIP					a/a
2422	80	10		10	SHALE	a/a
2425	70	20		10	SHALE	Sh: md lgy - dk gy, occ olv gy,
2427	70	20		10	SHALE	mod hd - hd, occ frm, any blk,
2430	60	40		TR	SHALE	blky, n. calc.
2432	30	60		10	SHALE	a/a
2435	30	50		20	SHALE	a/a
2437	30	44		30	SHALE	a/a
2440	40	20		40	SHALE	a/a
2442	40	20		40	SHALE	a/a
2445	50	10		40	SHALE	a/a
2447	50	10		40	SHALE	Sh: mgy, pred md dk gy - dk gy, frm -
2450	70	20		30	SHALE	mod hd, occ sft, pred subfis, sub
2452	70	20		10	SHALE	platy, carb present, n. calc, occ tr
2455	20	20		60	SHALE	of micropyr.
2457	40	10		60	SHALE	a/a

GEOCHEMICAL ANALYSIS SAMPLE LITHOLOGY DATA
NORSK HYDRO A/S WELL # 7219/9-1
SHEET No 25 DEPTH INTERVAL 2460 m to 2522 m
GEOCHEM UNIT 175 RIG POLAR PIONEER
GEOCHEMIST GLØNNING

DEPTH	PRE-PICKED LITH				ANALYSED LITH	ANALYSED LITHOLOGY DESCRIPTION
	SH	SLTST	DOL	LST		
2460	20	10	TR	70	SHALE	a/a
2462	20	10		70	SHALE	a/a
2465	20	TR		80	SHALE	a/a
2467	10	10		80	SHALE	a/a
2470	10	10		80	SHALE/SILTSTONE	sh: dkgy, mddkgy, frm - mod hd,
2472	10	10		80	SHALE/SILTSTONE	occ hd, blky to sub fis, n.calc.
2475	10	10		80	SHALE/SILTSTONE	SLTST: ltolvgy, ltbvgy, hd - vhd.
2477	TR	TR		100	SHALE/SILTSTONE	a/a
2480	TR	TR		100	SHALE/SILTSTONE	Sh: occ carblam
2482	10	10		80	SHALE/SILTSTONE	a/a
2485	10	10		80	SHALE/SILTSTONE	a/a
2487	10	10		80	SHALE/SILTSTONE	a/a
2490	10	10	gd tr. calc SLST	80	SHALE/SILTSTONE	sh: mdgy - dkgy, mod hd - occ hd -
2492	TR	20	TR	80	SHALE/SILTSTONE	frm, blky - sub fis
2495	TR	10		90	SHALE/SILTSTONE	SLTST: ltbr/vbrn, ygy, prel vhd occ
2497	TR	10	TR	90	SHALE/SILTSTONE	hd - frm, loc micromic, occ lam.
2500	TR	10		90	SHALE/SILTSTONE	a/a
2502	20	10		70	SHALE/SILTSTONE	a/a
2505	20	10		70	SHALE/SILTSTONE	a/a
2507	10	10		80	SHALE/SILTSTONE	SLTST: mdgy - gngy, frm - hrd,
2510	10	20		70	SHALE/SILTSTONE	loc lam occ v/. sdgrn.
2512	10	20		70	SHALE/SILTSTONE	a/a
2515	10	20		70	SHALE/SILTSTONE	a/a
2517	10	30		60	SHALE/SILTSTONE	a/a
2520	10	30		60	SHALE/SILTSTONE	a/a
2522	TR	20		80	SHALE/SILTSTONE	a/a

GEOCHEMICAL ANALYSIS SAMPLE LITHOLOGY DATA
NORSK HYDRO A/S WELL # 7219/9-1
SHEET No 26 DEPTH INTERVAL 2525 m to 2590 m
GEOCHEM UNIT 175 RIG POLAR PIONEER
GEOCHEMIST GRØNNING

DEPTH	PRE-PICKED LITH				ANALYSED LITH	ANALYSED LITHOLOGY DESCRIPTION
	SH	SLTST	DOL	SST		
2525	TR	20		80	SHALE/SILTSTONE	SH : a/a
2527	TR	20		80	SHALE/SILTSTONE	SLTST: dkgy - brnblk, frm - hd,
2530	TR	20		80	SHALE/SILTSTONE	blky, occ lam, n-calc, occ carb lam
2532	TR	20		80	SH, SLST, SST	SST: ltbrngy - occ off wh, occ hd,
2535	TR	20		80	SH, SLTST, SST,	subang, f-vf, silic cmt.
2537	TR	20		80	SH, SLST, SST.	a/a
2540	TR	20		80	SH, SLST,	a/a
2542	TR	30		70	SH, SLST.	a/a
2545	TR	30		70	SH, SLST	a/a
2547	TR	20		80	SH, SLST	a/a
2550	TR	20		80	SH, SLST	a/a
2552	TR	10		90	SH, SLTST	a/a
2555	TR	TR		100	SH, SLTST,	a/a
2557	10	TR		90	SH, SLTST	SLTST: a/a w/ much mica and
2560	10	TR		90	SH, SLTST	carb lam.
2562	10	TR		90	SH, SLTST	a/a
2565	10	TR		90	SH, SLTST	a/a
2567	10	TR		90	SH, SLTST	a/a
2570	10	TR		90	SH, SLTST	a/a
2572	10	TR		90	SH, SLTST	SST: vltgy, ltgy, med gy, hd - vhd,
2575	10	TR		90	SH, SLTST	occ frm, f grns, sbang, silic cmt,
2580 (2577)	10	TR		90	SH SLTST	por in por.
2582	10	TR		90	SH, SLTST	a/a
2585	TR	TR		100	SH SLTST	a/a
2587	TR	TR		100	SH SLTST	a/a
2590	TR	TR		100	SH, SLTST	a/a

GEOCHEMICAL ANALYSIS SAMPLE LITHOLOGY DATA
NORSK HYDRO A/S WELL # 7219/9-1
SHEET No 27 DEPTH INTERVAL 2592 m to 2655 m
GEOCHEM UNIT 175 RIG POLAR PIONEER
GEOCHEMIST GRØNNING

DEPTH	PRE-PICKED LITH				ANALYSED LITH	ANALYSED LITHOLOGY DESCRIPTION
	SH	SLTST	DOL	SST		
2592	TR	10		90	SH, SLTST	SH: a/a
2595	TR	TR		100	SH, SLTST, SST	SLTST: olv brn hrd, subang,
2597	TR	TR		100	SH, SLTST occ SST	slic cmt.
2600	TR	10		90	SH, SLTST occ SST	a/a SST: dkgy, hrd,
2602	TR	10		90	SH, SLTST, occ SST	a/a vf. abundant mica and carb lam.
2605	TR	10		90	SH, SLTST, occ SST.	a/a
2607	TR	20		80	SH, SLTST, occ SST	a/a
2610	TR	20		80	SH, SLTST, occ SST	SLTST: brngy - olvgy, hrd - vhrd,
2612	TR	20		80	SH, SLTST occ SST	occ fcm, subang; n. calc, slic cmt.
2615	10	40		50	SH, SLTST, occ SST	a/a
2617	10	40		50	SH, SLTST, occ SST	a/a
2620	TR	20		80	SH, SLTST, occ SST	a/a
2622	TR	20		80	SH, SLTST, occ SST	SST: ltolvgy - ltgy, hd - vhd, sub-
2625	TR	20		80	SH, SLTST, occ SST	ang - subrnd, vf-fgrn, slic cmt,
2627	TR	10		90	SH, SLTST, occ SST	n. calc.
2630	TR	10		90	SH, SLTST, occ SST	a/a
2632	TR	10		90	SH, SLTST, occ SST	a/a
2635	TR	10		90	SH, SLTST, occ SST	a/a
2637	TR	10		90	SH, SLTST, occ SST	a/a
2640	TR	10		90	SH, SLTST, occ SST	a/a
2642	TR	10		90	SH, SLTST, occ SST	a/a
2645	TR	10		90	SH, SLTST, occ SST	a/a
2647	TR	10		90	SH, SLTST, occ SST	a/a
2650	TR	10		90	SH, SLTST, occ SST	a/a
2652		TR		100	SH, SLTST, occ SST	a/a
2655		TR		100	SH, SLTST, occ SST	a/a

GEOCHEMICAL ANALYSIS SAMPLE LITHOLOGY DATA
NORSK HYDRO A/S WELL # 7219/9-1
SHEET No 28 DEPTH INTERVAL 2657 m to 2720 m
GEOCHEM UNIT 175 RIG POLAR PIONEER
GEOCHEMIST GRENNING

DEPTH	PRE-PICKED LITH				ANALYSED LITH	ANALYSED LITHOLOGY DESCRIPTION
	SH	SLTST	DOL	SST		
2657	TR	10		90	SH, SLTST, occ SST	SST: ltgy, m ltgy, m gy, occ m dkgy,
2660	TR	10		90	SH, SLTST, occ SST	frm - hd, sub anv, v/f gm, w/arg
2662	TR	10		90	SH, SLTST, occ SST	mat, silic cmt.
2665	TR	10		90	SH, SLTST, occ SST	A/A
2667	TR	10		90	SH, SLTST, occ SST	A/A
2670	TR	10		90	SH, SLTST, occ SST	SLTST: dkgy, mdkgy, mod hd - hd,
2672		TR		100	SH, SLTST, occ SST	occ sft, n. calc.
2675		TR		100	SH, SLTST, occ SST	A/A
2677		TR		100	PRED SANDSTONE	SST, M DK GY, SUBFISS - BRN, V F, MICROMIC, V CARB.
2680		TR		100	CLYST, SLTST & SST	A/A
2682		10		90	SANDSTONE	SST, LT GY, OCC LT BRN GY, RR M GY, VF, PRED BLKY, W CMTD, NON CALC
2685		10		90	SANDSTONE	SST, GEN A/A, OCC F, MICROMIC
2687		10		90	SANDSTONE	SST, LT - OCC M GY, GEN A/A
2690	TR	TR		100	SANDSTONE	SST, A/A
2692	TR	20		80	SILTSTONE & SANDSTONE	SLTST: mdkgy - mdgy, sft - mhd,
2695	TR	20		80	SILTSTONE	occ vhd, n. calc.
2697	TR	20		80	SANDSTONE	SST, A/A
2700	TR	20		80	SANDSTONE	SST, A/A
2702	TR	20		80	SILTSTONE	SLTST, A/A
2705	TR	20		80	SILTSTONE & SANDSTONE	A/A
2707	10	20		70	PRED SANDSTONE	SST, GEN A/A
2710	TR	20		80	SANDSTONE	SST, LT GY, LOC M GY, VF, occ F, MIC, W CMTD, NON CALC
2712	10	10		80	SILTSTONE + SHALE	SLTST, PRED M GY, HD, BLKY, MICROMIC NON CALC
2715	TR	20		80	SANDSTONE	SST, GEN A/A
2717	TR	20		80	PRED SANDSTONE	SST, A/A
2720	10	20		70	SILTSTONE + SHALE	SILTSTONE, M - DK GY, SUBFISS, OCC MICROMIC, NON CALC, LOC GADG TO SH

GEOCHEMICAL ANALYSIS SAMPLE LITHOLOGY DATA
NORSK HYDRO A/S WELL # 7219/9-1
SHEET No 29 DEPTH INTERVAL 2722 m to 2750 m
GEOCHEM UNIT 175 RIG POLAR PIONEER
GEOCHEMIST M. Wadsworth

DEPTH	PRE-PICKED LITH				ANALYSED LITH	ANALYSED LITHOLOGY DESCRIPTION
	CLYST	DOL	SLTST	SST		
2722	TR		20	80	SANDSTONE	SST, PRED LT GY, PRED V F, BLKY, MICROMIC, COM LAM, SLTY, CARB, NON CALC
2725	TR		20	80	SILTSTONE	SLTST, M-DK GY, HD, SUBFISS, MICROMIC, NON CALC.
2727	TR		20	80	SILTSTONE	SLTST, A/A
2730	TR	TR	10	90	SANDSTONE	SST, A/A
2732	TR		10	90	PRED SANDSTONE	SST, A/A
2735	TR	TR	10	90	SANDSTONE	SST, A/A
2737	GD TR		10	90	SILTSTONE	SLTST, GEN A/A PRED DK GY
2740	5		10	85	PRED SANDSTONE	SST, A/A W/ OCC SLTSTS
2742	5		10	85	SILTSTONE	SLTST, PRED M DK GY, OCC M GY, SUBFISS, LOC BLKY, MICROMIC, NON CALC
2745	5		15	80	SILTSTONE	LOC GRDG TO CLYST SLTST, GEN A/A
2747	GD TR		10	90	CLYSTONE/SILTSTONE	CLYST, GEN A/SLST ABOVE, LESS SLTY, CARB.
2750	GD TR		10	90	SILTSTONE	SLST, GEN A/A