

ESSO NORGE A/S
6607/5-2 FINAL WELL REPORT
MATERIALS CONSUMPTION SUMMARY

DATE (1990)	DEPTH (mMD)	BAR. BULK M/T	KCL BRIN BBLB	BENT BULK M/T	CAUS 25KG	SODA BI- ASH 25KG	BI-CARB 25KG	KOH 25KG	MEL 50LB	ANCO- REG 50LB	CEPAC POLYM 25KG	XC MICA 25KG	NUT PLUG 25KG	DE- FOMR 25KG	KCL 50KG	CEPAC REG 50LB	ANCO- CIDE	CMC HV 25KG	CMC LV 25KG	COST OF (US\$)	MUD DAILY	CUM. CUM.	CMT "G" MT	DR. WTR. TON	WASH WTR. TON	POT WTR. TON	RIG FUEL M ³	HELI- FUEL LTRS
05-Aug																					0						30	37
06-Aug		6		9																16797	16797			318		40	16	
07-Aug		90		15	3	4														1038	17835					36	16	
08-Aug		24		10	2	2														4521	22356	27	127			37	12	
09-Aug																				1100	23456			17		34	21	
10-Aug				4	2	2														1136	24592			74		28	16	
11-Aug				16	4	4														4428	29020			135		33	16	410
12-Aug				6	1	1														1646	30666			45		30	23	
13-Aug		1																		124	30790	154	300			33	19	
14-Aug	1225		1500						2	316	117	17								42139	72929			109		40	11	802
15-Aug	1225																			0	72929			27		40	10	38
16-Aug	1562	51							2	94	86	23			1	26				31488	104417			237		37	31	
17-Aug	1795	39							2	19		9				38				19805	124222	5	181			38	19	400
18-Aug	1947	53							3		5	8				5				10728	134950			124		35	29	
19-Aug	2215	56							5	120	20	3				9				15223	150173			87		33	17	
20-Aug	2215	95																		11736	161909			3		33	26	
21-Aug	2215										15						40			5386	167295			7		30	29	
22-Aug	2215	11							1	60		5				15				8750	176045			53		40	18	
23-Aug	2215	8							4											1035	177080	52	141			39	22	578
24-Aug	2215	62																		8013	185093			106		25	19	
25-Aug	2218	80							2	149	105	6			1	42				39228	224321	33	255			33	17	
26-Aug	2221	34							6		30	49	4			9				13605	237926			111		36	19	
27-Aug	2221	7									25	2								3808	241734	17	63			32	22	
28-Aug	2282	48							10		90									10104	251838	17	124			40	24	
29-Aug	2400	118									60	27								18490	270328			77		46	19	616
30-Aug	2546	77										4				10				13737	284065			101		46	28	
SUB-TOTAL(DH)		860	1500	60	12	13	20	17	938	449	81	0	0	2	154	40	0	0	0	284065	-----		305	2822	0	924	536	2844

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DATE (1990)	DEPTH (mMD)	BAR.	KCL	BENT	SODA BI-			ANCO-			CEPAC XC	NUT	DE-	CEPAC ANCO-		CMC	CMC	COST OF MUD		CMT	DR.	WASH	POT	RIG	HELI-	
		BULK	BRIN	BULK	CAUS	ASH	CARB	KOH	MEL	REG	POLYM	MICA	PLUG	FOMR	KCL	REG	CIDE	HV	LV	(US\$)	"G"	WTR.	WTR.	WTR.	FUEL	FUEL
		M/T	BBLs	M/T	25KG	25KG	25KG		50LB	25KG	25KG	25KG	25KG	50KG	50LB	25KG	25KG	DAILY	CUM.	MT	TON	TON	TON	M ³	LTRS	
31-Aug	2579	92							60	80	5			30				31412	315477				43	14		
01-Sep	2838	33				30			60	40	4			15				15459	330936		98		57	19		
02-Sep	3016	99								40								16147	347083		20		51	30		
03-Sep	3068	56							1220	80	4	11		17				23935	371018		175		57	48		
04-Sep	3120	12									4			17				7973	378991		10		53	29	482	
05-Sep	3212	8									10			8				6050	385041		19		53	27		
06-Sep	3274	66								20				22	5			17720	402761		13		42	40	642	
07-Sep	3320	19							60	40	10		1	25	5			18615	421376		74		25	23	82	
08-Sep	3354	64												5	11			10601	431977		33		32	16		
09-Sep	3433	12									10			5				5574	437551		31		59	26		
10-Sep	3507	18							60	50	10			32				21217	458768		116		23	27		
11-Sep	3552	24									10							5438	464206		27		38	23		
12-Sep	3606	99									9			10	10			18670	482876		38		30	23		
13-Sep	3687	26						5	60	50	5			22	3			18183	501059	7	95		28	23	200	
14-Sep	3702	61												3				8506	509565		3		37	28		
15-Sep	3702																	0	509565		0		53	15		
16-Sep	3702																	0	509565		10		85	27		
17-Sep	3702																	106	509671	82	173		50	19		
18-Sep	3702										5							16789	526460		10		34	29		
19-Sep	3710	32						72										4801	531261		20		25	22		
20-Sep	3744	54						8			9			14				25491	556752		85		30	24		
21-Sep	3799	35												15	53			18015	574767		109		30	24		
22-Sep	3813	9									4							2101	576868		9		32	20		
23-Sep	3831	17									4							3089	579957		5		34	27		
24-Sep	3854	3																371	580328		25		29	17		
25-Sep	3869	27												1				3364	583692		12		34	18	654	
SUB-TOTAL (DH)	1726	1500	60	12	13	130	22	2458	849	184	11	0	4	394	127	0	0	0	583692	----	394	4032	0	1988	1174	4904

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 MATERIALS CONSUMPTION SUMMARY

DATE	DEPTH	BAR. BULK	KCL BRIN	BENT BULK	CAUS	SODA ASH	BI-CARB	ANCO-KOH	MEL	CEPAC REG	XC POLYM	MICA	NUT PLUG	DE-FOMR	KCL	CEPAC REG	ANCO-CIDE	CMC HV	CMC LV	COST OF MUD (US\$)	CMT "G"	DR. WTR. TON	WASH WTR. TON	POT WTR. TON	RIG FUEL M ³	HELI-FUEL LTRS
(1990)	(mMD)	M/T	BBLs	M/T	25KG	25KG	25KG	25KG	50LB	25KG	25KG	25KG	25KG	25KG	50KG	50LB	25KG	25KG	DAILY	CUM.	MT	TON	TON	TON	M ³	LTRS
26-Sep	3881	12						1			8									3492	587184		54		37	26
27-Sep	3942	80						2		26	33			2	15					40662	627846		19		35	28
28-Sep	4003							5			3			3			8			5044	632890		10		38	22 101
29-Sep	4030	2						4									8			3344	636234		5		35	21
30-Sep	4080	5									5			4	4					2647	638881		4		37	26
01-Oct	4143	10									5									3090	641971		22		41	18
02-Oct	4172							5												157	642128		11		36	32
03-Oct	4277	8															8			1772	643900		11		41	25
04-Oct	4288							4									6			1417	645317		16		43	24
05-Oct	4329	17						5			5					3				4459	649776		17		51	21
06-Oct	4368							3		12	5			4						3325	653101		8		41	22
07-Oct	4377	30									30				14					25389	678490		71		34	40 380
08-Oct	4377							3		8	1			1	2					2036	680526		11		44	42
09-Oct	4454							4												1104	681630		8		40	25
10-Oct	4521							4								3				1096	682726				35	19
11-Oct	4544							4		50	3			1	14					23969	706695		71		34	27 508
12-Oct	4544	60																		7412	714107		8		41	17
13-Oct	4578							3		10	3									1815	715922		8		55	22
14-Oct	4613	3						4		6										1084	717006		14		54	21
15-Oct	4630																			0	717006		15		16	22
16-Oct	4673	2						6		6	9									3249	720255		19		38	17 174
17-Oct	4684	26									4									4201	724456		27		49	38 26
18-Oct	4684																			0	724456				41	42
19-Oct	4684																			0	724456		30		34	29 693
20-Oct	4684	67																		8276	732732		17		38	22
21-Oct	4684																			0	732732		10		33	26
SUB-TOTAL(DH)	2048	1500	60	12	13	130	79	2458	997	268	11	0	19	449	157	0	0	0	732732	----	394	4518	0	3009	1848	6786

ESSO NORGE A/S
 6607/5-2 FINAL WELL REPORT
 MATERIALS CONSUMPTION SUMMARY

DATE	DEPTH	BAR.	KCL	BENT	SODA BI-	ANCO-	CEPAC XC	NUT	DE-	CEPAC	ANCO-	CMC	CMC	COST OF MUD	CMT	DR.	WASH	POT	RIG	HELI-								
(1990)	(mMD)	M/T	BBLS	M/T	25KG	25KG	25KG	50LB	25KG	25KG	25KG	25KG	25KG	(US\$)	"G"	WTR.	WTR.	WTR.	FUEL	FUEL								
					ASH	CARB	KOH	MEL	REG	POLYM	MICA	PLUG	FOMR	KCL	REG	CIDE	HV	LV	DAILY	CUM.	MT	TON	TON	TON	M ³	LTRS		
22-Oct	4684													0	732732		20		31	13								
23-Oct	4684													0	732732		20		39	1								
24-Oct	4684													0	732732		10		33	7	1050							
25-Oct	3900													0	732732	13	90		33	22	950							
26-Oct	3998													0	732732		6		29	18								
27-Oct	4008						30			5				5802	738534		12		28	14								
28-Oct	4012													0	738534		8		27	16								
29-Oct	4016													0	738534		8		24	18								
30-Oct	4027	3												371	738905		8		50	22								
31-Oct	4047	37												4571	743476		8		36	19								
01-Nov	4130							4						449	743925		5		31	16	450							
02-Nov	4161													0	743925		8		26	22								
03-Nov	4188												1	2	2564	746489		3		35	16							
04-Nov	4188													0	746489	5	35		35	42								
05-Nov	-													1853	748342	10	26		30	42								
06-Nov	-													0	748342		37			19								
07-Nov	-													0	748342		16		36	16								
08-Nov	-													0	748342	22	75		36	18								
09-Nov	-	8												988	749330	80	68		34	31								
10-Nov	-													0	749330					24								
11-Nov	-													0	749330		13		33	25	810							
12-Nov	-													0	749330				33	13								
13-Nov	-													0	749330		13		35	23								
14-Nov	-													0	749330		14		27	19	690							
15-Nov	-													0	749330		13		37	18	476							
16-Nov	-													0	749330		7		37	24	1024							
TOTAL(DH)		2096	1500	60	12	13	160	83	2458	997	273	11	0	20	452	157	0	0	0	749330	----	524	5041	0	3804	2366	12236	

U-694

3

SIMON-ROBERTSON

BA92-251-1

REPORT NO 7063/Ic

**PETROLEUM GEOCHEMICAL ANALYSIS
OF THE INTERVAL 1240m TO 4680m
IN THE ESSO NORGE 6607/5-2 WELL,
OFFSHORE MID-NORWAY**

BY

M A BASTOW

PROJECT NO. Ic/21254

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JANUARY 1992

GENERAL DATA		AIRSPACE GASEOUS HYDROCARBON DATA															
SAMPLE DEPTH Metres	SAMPLE TYPE	TOC % OF ROCK	GAS ABUNDANCE, %								TOTAL ABUNDANCE (ppm)	SUM, %			RATIOS		
			C1	C2	C3	iC4	nC4	iC5	nC5	C6+		C1-C5	C1-C4	C2-C4	C2-C4/ C1-C4	i-C4/ n-C4	
1240-1250	Ctgs	-	94.4	-	-	-	-	-	-	-	5.6	32	94.4	94.4	0.0	-	-
1300-1310	Ctgs	-	86.5	-	-	-	-	-	-	-	13.5	26	86.5	86.5	0.0	-	-
1360-1370	Ctgs	-	59.8	-	-	-	-	-	-	-	40.2	11	59.8	59.8	0.0	-	-
1420-1430	Ctgs	0.42	68.1	-	-	-	-	-	-	-	31.9	12	68.1	68.1	0.0	-	-
1480-1490	Ctgs	-	80.0	-	-	-	-	-	-	-	20.0	8	80.0	80.0	0.0	-	-
1540-1550	Ctgs	-	80.0	-	-	-	-	-	-	-	20.0	17	80.0	80.0	0.0	-	-
1600-1610	Ctgs	-	85.6	-	-	-	-	-	-	-	14.4	42	85.6	85.6	0.0	-	-
1650-1660	Ctgs	-	51.4	-	-	-	-	-	-	-	48.6	4	51.4	51.4	0.0	-	-
1720-1730	Ctgs	0.38	60.0	-	-	-	-	-	-	-	40.0	10	60.0	60.0	0.0	-	-
1780-1790	Ctgs	-	73.7	14.6	3.4	-	-	-	-	-	8.3	38	91.7	91.7	18.0	0.20	-
1840-1850	Ctgs	-	65.4	11.7	-	-	-	-	-	-	22.8	16	77.2	77.2	11.7	0.15	-
1890-1900	Ctgs	0.28	43.2	-	-	-	-	-	-	-	56.8	17	43.2	43.2	0.0	0.00	-
1900-1910	Ctgs	-	53.7	-	-	-	-	-	-	-	46.3	4	53.7	53.7	0.0	-	-
1960-1970	Ctgs	0.33	75.3	-	-	-	-	-	-	-	24.7	8	75.3	75.3	0.0	-	-
2020-2030	Ctgs	0.34	86.3	-	-	-	-	-	-	-	13.7	12	86.3	86.3	0.0	-	-
2080-2090	Ctgs	0.26	77.6	-	-	-	-	-	-	-	22.4	11	77.6	77.6	0.0	-	-
2140-2150	Ctgs	0.26	94.6	3.2	1.0	0.2	0.3	-	-	-	0.8	1339	99.2	99.2	4.6	0.05	0.79
2200-2210	Ctgs	0.47	95.3	2.6	1.2	0.2	-	-	-	-	0.7	905	99.3	99.3	4.0	0.04	-
2260-2270	Ctgs	0.46	96.3	2.5	0.7	-	-	-	-	-	0.5	271	99.5	99.5	3.2	0.03	-
2320-2330	Ctgs	0.54	97.6	0.9	1.2	-	-	-	-	-	0.4	1406	99.6	99.6	2.1	0.02	-
2390-2400	Ctgs	0.58	99.4	0.4	0.0	-	-	-	-	-	0.1	6815	99.9	99.9	0.5	0.00	-
2450-2460	Ctgs	0.55	98.9	0.8	-	-	-	-	-	-	0.3	1307	99.7	99.7	0.8	0.01	-
2480-2490	Ctgs	0.98	97.6	2.3	0.1	-	-	-	-	-	0.1	2040	99.9	99.9	2.3	0.02	-
2510-2520	Ctgs	1.35	90.4	8.0	1.4	0.1	0.1	-	-	-	0.0	8314	100.0	100.0	9.5	0.10	1.78
2550-2560	Ctgs	0.45	92.3	3.4	1.0	-	-	-	-	-	3.2	316	96.8	96.8	4.5	0.05	-
2560-2570	Ctgs	0.40	89.6	6.5	2.7	0.5	0.4	-	-	-	0.2	1688	99.8	99.8	10.2	0.10	1.15
2570-2580	Ctgs	0.41	94.1	3.7	1.3	0.3	0.3	-	-	-	0.2	4177	99.8	99.8	5.7	0.06	0.83
2600-2610	Ctgs	0.93	81.3	8.3	5.6	1.2	1.5	0.6	0.3	1.2	5560	98.8	97.8	16.6	0.17	0.81	
2630-2640	Ctgs	1.10	80.8	9.8	4.2	0.9	1.3	0.6	0.4	2.2	8422	97.8	96.9	16.1	0.17	0.69	
2660-2670	Ctgs	1.02	76.3	11.7	5.7	1.3	1.8	0.8	0.5	1.8	13560	98.2	96.8	20.5	0.21	0.74	
2690-2700	Ctgs	1.15	74.4	13.5	6.9	1.4	1.9	0.7	0.4	0.8	9167	99.2	98.1	23.7	0.24	0.72	
2720-2730	Ctgs	1.08	69.9	14.6	8.6	1.8	2.4	0.8	0.6	1.3	6890	98.7	97.2	27.3	0.28	0.74	
2750-2760	Ctgs	1.25	68.4	14.8	8.4	1.5	2.4	1.0	0.8	2.7	3259	97.3	95.5	27.2	0.28	0.63	
2810-2820	Ctgs	1.11	69.6	15.1	10.1	1.6	2.3	0.5	0.3	0.4	2245	99.6	98.8	29.2	0.30	0.72	
2840-2850	Ctgs	1.12	65.1	16.7	11.0	1.9	2.5	0.8	0.5	1.5	12780	98.5	97.3	32.2	0.33	0.77	

AIRSPACE GASEOUS HYDROCARBON DATA
TABLE 1A

GENERAL DATA		AIRSPACE GASEOUS HYDROCARBON DATA														
SAMPLE DEPTH Metres	SAMPLE TYPE	TOC % OF ROCK	GAS ABUNDANCE, %								TOTAL ABUNDANCE (ppm)	SUM, %			RATIOS	
			C1	C2	C3	iC4	nC4	iC5	nC5	C6+		C1-C5	C1-C4	C2-C4	C2-C4/ C1-C4	i-C4/ n-C4
2870-2880	Ctgs	1.18	58.9	20.3	13.5	2.2	2.7	0.7	0.4	1.2	9808	98.8	97.7	38.7	0.40	0.82
2900-2910	Ctgs	1.07	54.9	17.7	16.2	2.9	3.4	1.2	0.8	3.0	1995	97.0	95.1	40.2	0.42	0.87
2930-2940	Ctgs	0.85	65.7	15.4	12.1	2.4	2.7	0.7	0.4	0.6	3060	99.4	98.3	32.6	0.33	0.89
2990-3000	Ctgs	0.99	68.8	13.2	10.5	2.3	2.6	0.8	0.5	1.2	5945	98.8	97.4	28.6	0.29	0.91
3050-3060	Ctgs	1.15	60.7	16.9	14.1	3.2	3.2	0.9	0.4	0.5	3816	99.5	98.1	37.5	0.38	0.99
3110-3120	Ctgs	1.11	63.1	18.7	11.4	2.3	2.3	0.8	0.4	1.1	2328	98.9	97.7	34.6	0.35	0.99
3170-3180	Ctgs	0.92	62.3	20.2	12.2	2.5	1.9	0.5	0.2	0.2	2804	99.8	99.1	36.8	0.37	1.32
3200-3210	Ctgs	1.03	54.8	16.0	13.8	3.3	4.1	2.0	1.4	4.7	1553	95.3	92.0	37.2	0.40	0.80
3230-3240	Ctgs	0.92	60.9	18.2	12.7	3.7	2.5	0.8	0.3	0.8	1238	99.2	98.0	37.1	0.38	1.49
3290-3300	Ctgs	0.86	32.3	14.7	22.1	10.8	10.9	3.5	2.5	3.2	137	96.8	90.8	58.5	0.64	0.99
3320-3330	Ctgs	0.77	75.2	9.6	6.1	1.6	1.8	1.4	1.0	3.4	1961	96.6	94.3	19.1	0.20	0.86
3340-3350	Ctgs	0.98	43.9	21.4	17.8	4.2	4.3	1.4	0.7	6.4	1006	93.6	91.6	47.6	0.52	0.98
3350-3360	Ctgs	0.86	18.6	12.2	25.4	11.5	12.1	5.2	3.4	11.6	125	88.4	79.8	61.2	0.77	0.95
3410-3420	Ctgs	0.68	59.0	16.8	15.4	3.9	3.6	0.7	0.2	0.4	2172	99.6	98.7	39.7	0.40	1.09
3470-3480	Ctgs	0.83	52.2	15.8	18.3	4.5	5.8	1.3	0.9	1.2	1516	98.8	96.6	44.4	0.46	0.77
3530-3540	Ctgs	0.77	33.6	13.0	27.6	7.7	12.6	2.4	1.8	1.3	347	98.7	94.5	60.9	0.64	0.61
3590-3600	Ctgs	0.73	16.6	9.6	25.3	8.7	16.1	5.7	5.2	12.8	3139	87.2	76.3	59.7	0.78	0.54
3650-3660	Ctgs	0.67	11.3	7.1	23.6	11.5	20.5	10.2	6.2	9.7	977	90.3	74.0	62.7	0.85	0.56
3710-3720	Ctgs	0.67	41.6	27.7	23.0	3.2	3.1	0.6	0.2	0.5	6149	99.5	98.7	57.1	0.58	1.01
3770-3780	Ctgs	-	55.1	16.3	18.2	3.4	3.8	0.9	0.2	2.2	862	97.8	96.7	41.6	0.43	0.88
3830-3840	Ctgs	-	92.5	3.3	2.6	0.5	0.6	0.1	0.0	0.3	4892	99.7	99.5	7.0	0.07	0.78
3890-3900	Ctgs	-	85.8	7.3	4.1	0.8	0.9	0.1	0.0	1.0	1185	99.0	98.8	13.0	0.13	0.90
3950-3960	Ctgs	-	41.7	26.0	24.0	2.9	2.5	0.4	0.1	2.5	411	97.5	97.1	55.4	0.57	1.16
4010-4020	Ctgs	1.10	41.3	19.4	25.6	5.6	5.9	1.3	0.4	0.5	1535	99.5	97.8	56.5	0.58	0.96
4070-4080	Ctgs	0.83	16.8	18.7	32.8	7.1	12.7	3.6	2.4	5.8	2878	94.2	88.2	71.4	0.81	0.56
4130-4140	Ctgs	0.72	13.8	18.5	37.7	7.7	15.1	3.1	2.1	2.0	3328	98.0	92.8	78.9	0.85	0.51
4190-4200	Ctgs	-	44.4	24.7	18.0	2.8	4.5	1.2	0.8	3.6	2985	96.4	94.3	49.9	0.53	0.62
4220-4230	Ctgs	-	66.3	11.0	7.1	1.8	2.6	1.3	1.1	8.9	620	91.1	88.7	22.4	0.25	0.69
4250-4260	Ctgs	-	86.3	11.1	2.0	0.2	0.2	0.1	0.0	0.1	9217	99.9	99.8	13.5	0.14	0.92
4280-4290	Ctgs	0.61	77.4	13.4	4.6	0.7	1.0	0.3	0.3	2.4	1148	97.6	97.0	19.7	0.20	0.73
4310-4320	Ctgs	-	53.9	22.5	14.9	2.3	3.0	0.9	0.5	2.0	1858	98.0	96.6	42.7	0.44	0.77
4370-4380	Ctgs	-	63.7	14.8	11.6	2.9	3.6	0.8	0.2	2.4	186	97.6	96.7	32.9	0.34	0.79
4400-4410	Ctgs	0.86	32.7	20.6	29.4	6.8	5.5	1.9	0.7	2.4	2161	97.6	95.0	62.4	0.66	1.24
4430-4440	Ctgs	0.56	36.8	21.5	24.9	7.4	5.3	2.1	0.6	1.4	9226	98.6	95.9	59.1	0.62	1.41
4460-4470	Ctgs	0.63	28.2	19.5	28.7	7.6	6.6	2.9	1.1	5.5	380	94.5	90.5	62.4	0.69	1.16

AIRSPACE GASEOUS HYDROCARBON DATA
TABLE 1B

GENERAL DATA		AIRSPACE GASEOUS HYDROCARBON DATA														
SAMPLE DEPTH Metres	SAMPLE TYPE	TOC % OF ROCK	GAS ABUNDANCE, %								TOTAL ABUNDANCE (ppm)	SUM, %			RATIOS	
			C1	C2	C3	iC4	nC4	iC5	nC5	C6+		C1-C5	C1-C4	C2-C4	C2-C4/ C1-C4	i-C4/ n-C4
4490-4500	Ctgs	0.65	60.5	25.7	11.6	1.2	0.8	0.1	0.0	0.2	1634	99.8	99.7	39.2	0.39	1.51
4550-4560	Ctgs	0.71	65.2	26.7	6.2	0.4	0.6	0.1	0.0	0.7	1206	99.3	99.2	34.0	0.34	0.75
4610-4620	Ctgs	0.33	83.9	12.1	2.7	0.3	0.4	0.0	0.0	0.6	676	99.4	99.4	15.5	0.16	0.72
4670-4680	Ctgs	-	86.8	6.3	3.2	0.5	0.8	0.0	0.0	2.4	168	97.6	97.6	10.7	0.11	0.62

AIRSPACE GASEOUS HYDROCARBON DATA
TABLE 1C

GENERAL DATA		OCCLUDED GASEOUS HYDROCARBON DATA															
SAMPLE DEPTH Metres	SAMPLE TYPE	TOC % OF ROCK	GAS ABUNDANCE, %								TOTAL ABUNDANCE (ppm)	SUM, %			RATIOS		
			C1	C2	C3	iC4	nC4	iC5	nC5	C6+		C1-C5	C1-C4	C2-C4	C2-C4/ C1-C4	i-C4/ n-C4	
1240-1250	Ctgs	-	75.2	0.8	-	-	-	-	-	-	24.0	151	76.0	76.0	0.8	0.01	-
1300-1310	Ctgs	-	83.1	1.9	-	-	-	-	-	-	15.0	91	85.0	85.0	1.9	0.02	-
1360-1370	Ctgs	-	42.6	4.0	2.3	-	-	-	-	-	51.1	178	48.9	48.9	6.3	0.13	-
1420-1430	Ctgs	0.42	80.8	1.8	-	-	-	-	-	-	17.3	71	82.7	82.7	1.8	0.02	-
1480-1490	Ctgs	-	81.9	2.0	-	-	-	-	-	-	16.1	49	83.9	83.9	2.0	0.02	-
1540-1550	Ctgs	-	59.8	3.7	2.1	-	-	-	-	-	34.4	90	65.6	65.6	5.8	0.09	-
1600-1610	Ctgs	-	70.5	1.9	0.9	-	-	-	-	-	26.7	58	73.3	73.3	2.7	0.04	-
1650-1660	Ctgs	-	81.0	3.0	1.1	-	-	-	-	-	14.9	61	85.1	85.1	4.1	0.05	-
1720-1730	Ctgs	0.38	65.6	6.1	3.8	-	-	-	-	-	24.5	69	75.5	75.5	9.9	0.13	-
1780-1790	Ctgs	-	48.8	7.2	4.7	-	-	2.4	-	-	36.9	263	63.1	63.1	14.3	0.23	-
1840-1850	Ctgs	-	48.7	3.7	2.6	-	-	-	-	-	45.1	86	54.9	54.9	6.3	0.11	-
1890-1900	Ctgs	0.28	63.4	8.4	6.4	0.0	0.0	0.0	0.0	21.8	185	78.2	78.2	14.8	0.19	-	
1900-1910	Ctgs	-	68.2	4.6	3.1	-	-	-	-	-	24.1	111	75.9	75.9	7.7	0.10	-
1960-1970	Ctgs	0.33	77.3	2.6	1.1	-	-	-	-	-	19.0	54	81.0	81.0	3.7	0.05	-
2020-2030	Ctgs	0.34	69.0	4.9	4.3	-	-	-	-	-	21.8	67	78.2	78.2	9.3	0.12	-
2080-2090	Ctgs	0.26	69.3	3.6	3.4	-	-	-	-	-	23.8	45	76.2	76.2	7.0	0.09	-
2140-2150	Ctgs	0.26	63.4	4.8	4.5	-	-	-	-	-	27.3	71	72.7	72.7	9.2	0.13	-
2200-2210	Ctgs	0.47	50.8	4.3	2.9	-	-	-	-	-	42.1	59	57.9	57.9	7.2	0.12	-
2260-2270	Ctgs	0.46	60.5	1.6	1.2	-	-	-	-	-	36.7	56	63.3	63.3	2.8	0.04	-
2320-2330	Ctgs	0.54	43.1	-	-	-	-	-	-	-	56.9	32	43.1	43.1	0.0	0.00	-
2390-2400	Ctgs	0.58	58.8	3.8	1.6	-	-	-	-	-	35.8	83	64.2	64.2	5.3	0.08	-
2450-2460	Ctgs	0.55	62.4	2.5	-	-	-	-	-	-	35.1	57	64.9	64.9	2.5	0.04	-
2480-2490	Ctgs	0.98	38.2	17.6	20.9	5.1	4.0	0.9	0.1	13.3	300	86.7	85.7	47.5	0.55	1.28	
2510-2520	Ctgs	1.35	45.6	16.7	8.6	0.0	0.0	0.0	0.0	29.1	102	70.9	70.9	25.3	0.36	-	
2550-2560	Ctgs	0.45	20.4	1.2	1.6	0.8	2.1	1.9	0.9	71.0	182	29.0	26.2	5.7	0.22	0.38	
2560-2570	Ctgs	0.40	46.3	6.3	5.8	-	-	-	-	-	41.6	165	58.4	58.4	12.1	0.21	-
2570-2580	Ctgs	0.41	20.1	2.4	4.6	1.7	2.6	0.5	1.0	67.2	170	32.8	31.4	11.3	0.36	0.66	
2600-2610	Ctgs	0.93	5.7	1.9	4.7	2.4	5.4	4.4	3.0	72.5	771	27.5	20.0	14.4	0.72	0.44	
2630-2640	Ctgs	1.10	7.9	1.7	6.6	2.6	5.7	5.1	4.0	66.4	1260	33.6	24.5	16.6	0.68	0.45	
2660-2670	Ctgs	1.02	3.8	3.8	9.2	3.4	8.3	5.7	5.7	60.1	1638	39.9	28.5	24.8	0.87	0.41	
2690-2700	Ctgs	1.15	2.7	1.4	5.2	2.1	5.1	3.8	3.3	76.5	1402	23.5	16.5	13.8	0.84	0.41	
2720-2730	Ctgs	1.08	3.0	4.3	12.7	4.2	10.3	6.1	4.7	54.6	1589	45.4	34.6	31.6	0.91	0.41	
2750-2760	Ctgs	1.25	4.7	2.5	10.8	4.0	10.5	6.7	6.6	54.3	1424	45.7	32.5	27.8	0.86	0.38	
2810-2820	Ctgs	1.11	3.5	3.3	13.6	5.5	11.8	6.5	4.2	51.6	618	48.4	37.7	34.2	0.91	0.47	
2840-2850	Ctgs	1.12	4.7	3.5	14.9	6.7	12.1	6.7	5.8	45.6	3760	54.4	41.9	37.1	0.89	0.55	

OCCLUDED GASEOUS HYDROCARBON DATA
TABLE 2A

GENERAL DATA		OCCLUDED GASEOUS HYDROCARBON DATA														
SAMPLE DEPTH Metres	SAMPLE TYPE	TOC % OF ROCK	GAS ABUNDANCE, %								TOTAL ABUNDANCE (ppm)	SUM, %			RATIOS	
			C1	C2	C3	iC4	nC4	iC5	nC5	C6+		C1-C5	C1-C4	C2-C4	C2-C4/ C1-C4	i-C4/ n-C4
2870-2880	Ctgs	1.18	3.3	4.1	17.0	6.7	14.2	7.9	5.3	41.4	1005	58.6	45.4	42.1	0.93	0.47
2900-2910	Ctgs	1.07	4.4	2.0	10.2	5.6	10.1	6.5	5.8	55.4	2213	44.6	32.3	27.9	0.86	0.56
2930-2940	Ctgs	0.85	3.1	1.5	13.6	6.8	13.7	7.6	6.5	47.2	451	52.8	38.7	35.6	0.92	0.50
2990-3000	Ctgs	0.99	4.4	2.5	12.7	7.1	11.7	7.1	6.0	48.6	2313	51.4	38.4	34.0	0.89	0.60
3050-3060	Ctgs	1.15	2.9	4.1	21.2	10.1	15.2	7.3	5.1	34.1	652	65.9	53.5	50.7	0.95	0.66
3110-3120	Ctgs	1.11	4.2	4.5	19.6	9.0	13.6	7.5	5.2	36.4	834	63.6	50.9	46.7	0.92	0.66
3170-3180	Ctgs	0.92	4.0	7.9	23.9	10.3	12.9	7.0	4.1	30.0	592	70.0	58.9	55.0	0.93	0.80
3200-3210	Ctgs	1.03	4.9	2.5	13.8	10.9	11.4	7.7	4.4	44.4	1125	55.6	43.5	38.6	0.89	0.95
3230-3240	Ctgs	0.92	2.0	1.0	7.6	2.7	7.0	3.8	3.7	72.1	1292	27.9	20.4	18.4	0.90	0.39
3290-3300	Ctgs	0.86	5.2	1.7	8.8	6.9	9.5	6.3	5.2	56.4	1464	43.6	32.1	26.9	0.84	0.73
3320-3330	Ctgs	0.77	4.5	1.8	12.7	9.4	12.6	7.0	5.4	46.6	1323	53.4	40.9	36.5	0.89	0.75
3340-3350	Ctgs	0.98	4.0	2.8	17.0	12.4	14.0	7.2	4.8	37.9	1391	62.1	50.1	46.1	0.92	0.88
3350-3360	Ctgs	0.86	3.9	1.5	12.1	7.6	12.2	6.7	5.7	50.1	2474	49.9	37.4	33.5	0.89	0.62
3410-3420	Ctgs	0.68	3.5	2.6	17.1	11.6	16.6	8.0	6.6	33.8	1873	66.2	51.5	48.0	0.93	0.70
3470-3480	Ctgs	0.83	1.9	1.5	13.1	9.9	17.7	9.0	8.8	38.1	2324	61.9	44.1	42.2	0.96	0.56
3530-3540	Ctgs	0.77	3.9	1.0	5.3	7.4	19.4	10.4	12.6	40.0	2435	60.0	37.0	33.1	0.89	0.38
3590-3600	Ctgs	0.73	1.2	0.6	7.5	5.4	15.1	9.0	10.7	50.5	3218	49.5	29.8	28.6	0.96	0.36
3650-3660	Ctgs	0.67	0.7	0.4	5.3	5.3	13.9	12.1	11.0	51.3	4367	48.7	25.6	24.9	0.97	0.38
3710-3720	Ctgs	0.67	8.0	4.8	32.3	11.0	20.0	6.2	3.5	14.2	7668	85.8	76.2	68.1	0.89	0.55
3770-3780	Ctgs	-	32.2	2.6	9.0	3.6	9.6	3.4	2.6	37.0	1129	63.0	56.9	24.8	0.44	0.37
3830-3840	Ctgs	-	92.9	2.6	1.0	0.3	0.6	0.2	0.2	2.1	9487	97.9	97.5	4.5	0.05	0.48
3890-3900	Ctgs	-	92.3	1.3	1.3	0.4	0.8	0.2	0.2	3.5	1569	96.5	96.1	3.8	0.04	0.50
3950-3960	Ctgs	-	49.3	1.4	11.7	4.7	10.0	2.6	1.5	18.7	2427	81.3	77.2	27.9	0.36	0.47
4010-4020	Ctgs	1.10	25.1	2.1	14.8	7.5	15.7	9.1	6.0	19.7	3572	80.3	65.2	40.1	0.61	0.48
4070-4080	Ctgs	0.83	4.3	1.2	12.1	5.4	17.2	9.6	9.9	40.2	8228	59.8	40.3	35.9	0.89	0.31
4130-4140	Ctgs	0.72	11.3	1.3	11.6	4.7	16.9	7.8	9.4	37.0	8434	63.0	45.9	34.6	0.75	0.28
4190-4200	Ctgs	-	44.0	3.7	10.9	2.8	8.1	3.3	3.7	23.5	5429	76.5	69.5	25.5	0.37	0.34
4220-4230	Ctgs	-	18.6	14.0	21.9	5.1	12.8	5.2	6.7	15.7	144	84.3	72.3	53.7	0.74	0.40
4250-4260	Ctgs	-	14.5	7.7	13.3	3.3	8.1	3.4	3.8	45.8	1112	54.2	47.0	32.5	0.69	0.41
4280-4290	Ctgs	0.61	16.1	3.4	11.8	4.2	10.3	5.7	5.7	42.9	7767	57.1	45.8	29.7	0.65	0.40
4310-4320	Ctgs	-	34.7	6.2	8.5	2.1	5.3	2.4	3.1	37.7	5061	62.3	56.8	22.1	0.39	0.39
4370-4380	Ctgs	-	9.7	0.6	1.2	0.5	1.2	1.3	1.1	84.4	849	15.6	13.2	3.5	0.27	0.39
4400-4410	Ctgs	0.86	15.7	2.4	13.9	9.6	15.4	12.0	6.5	24.6	7752	75.4	57.0	41.3	0.73	0.62
4430-4440	Ctgs	0.56	12.5	2.1	21.6	11.4	18.9	10.2	3.5	19.7	5642	80.3	66.5	54.0	0.81	0.60
4460-4470	Ctgs	0.63	13.5	8.8	30.7	8.9	12.4	3.5	2.2	20.0	4287	80.0	74.3	60.8	0.82	0.72

OCCLUDED GASEOUS HYDROCARBON DATA

TABLE 2B

GENERAL DATA		OCCLUDED GASEOUS HYDROCARBON DATA														
SAMPLE DEPTH Metres	SAMPLE TYPE	TOC % OF ROCK	GAS ABUNDANCE, %								TOTAL ABUNDANCE (ppm)	SUM, %			RATIOS	
			C1	C2	C3	iC4	nC4	iC5	nC5	C6+		C1-C5	C1-C4	C2-C4	C2-C4/ C1-C4	i-C4/ n-C4
4490-4500	Ctgs	0.65	19.3	2.8	24.4	10.4	15.4	5.9	1.9	19.9	2643	80.1	72.3	53.1	0.73	0.67
4550-4560	Ctgs	0.71	35.9	13.5	20.5	2.6	4.7	2.3	2.2	18.3	3583	81.7	77.3	41.3	0.54	0.55
4610-4620	Ctgs	0.33	43.6	9.6	6.7	1.9	4.3	3.1	1.7	29.1	2367	70.9	66.1	22.5	0.34	0.44
4670-4680	Ctgs	-	86.7	1.7	1.5	0.5	1.4	0.5	0.6	7.2	4026	92.8	91.7	5.0	0.05	0.36

OCCLUDED GASEOUS HYDROCARBON DATA
TABLE 2C

GENERAL DATA		AIRSPACE PLUS OCCLUDED GASEOUS HYDROCARBON DATA														
SAMPLE DEPTH Metres	SAMPLE TYPE	TOC % OF ROCK	GAS ABUNDANCE, %								TOTAL ABUNDANCE (ppm)	SUM, %			RATIOS	
			C1	C2	C3	iC4	nC4	iC5	nC5	C6+		C1-C5	C1-C4	C2-C4	C2-C4/ C1-C4	i-C4/ n-C4
1240-1250	Ctgs	-	78.6	0.7	-	-	-	-	-	20.8	183	79.2	79.2	0.7	0.01	-
1300-1310	Ctgs	-	83.9	1.5	-	-	-	-	-	14.7	117	85.3	85.3	1.5	0.02	-
1360-1370	Ctgs	-	43.6	3.8	2.2	-	-	-	-	50.5	189	49.5	49.5	5.9	0.12	-
1420-1430	Ctgs	0.42	79.1	1.6	-	-	-	-	-	19.4	83	80.6	80.6	1.6	0.02	-
1480-1490	Ctgs	-	81.6	1.7	-	-	-	-	-	16.6	57	83.4	83.4	1.7	0.02	-
1540-1550	Ctgs	-	62.9	3.1	1.8	-	-	-	-	32.2	106	67.8	67.8	4.9	0.07	-
1600-1610	Ctgs	-	76.9	1.1	0.5	-	-	-	-	21.5	101	78.5	78.5	1.6	0.02	-
1650-1660	Ctgs	-	79.3	2.8	1.1	-	-	-	-	16.9	65	83.1	83.1	3.9	0.05	-
1720-1730	Ctgs	0.38	65.0	5.4	3.3	-	-	-	-	26.3	78	73.7	73.7	8.7	0.12	-
1780-1790	Ctgs	-	52.0	8.1	4.5	-	2.1	-	-	33.3	301	66.7	66.7	14.8	0.22	-
1840-1850	Ctgs	-	51.3	5.0	2.2	-	-	-	-	41.5	102	58.5	58.5	7.1	0.12	-
1890-1900	Ctgs	0.28	61.7	7.7	5.9	-	-	-	-	24.8	202	75.2	75.2	13.6	0.18	-
1900-1910	Ctgs	-	67.7	4.4	3.0	-	-	-	-	24.9	115	75.1	75.1	7.4	0.10	-
1960-1970	Ctgs	0.33	77.0	2.3	1.0	-	-	-	-	19.7	62	80.3	80.3	3.2	0.04	-
2020-2030	Ctgs	0.34	71.7	4.2	3.7	-	-	-	-	20.5	79	79.5	79.5	7.8	0.10	-
2080-2090	Ctgs	0.26	70.9	2.9	2.7	-	-	-	-	23.5	55	76.5	76.5	5.6	0.07	-
2140-2150	Ctgs	0.26	93.0	3.3	1.1	0.2	0.2	-	-	2.1	1410	97.9	97.9	4.8	0.05	0.79
2200-2210	Ctgs	0.47	92.6	2.7	1.3	0.2	-	-	-	3.2	964	96.8	96.8	4.2	0.04	-
2260-2270	Ctgs	0.46	90.1	2.4	0.8	-	-	-	-	6.7	328	93.3	93.3	3.1	0.03	-
2320-2330	Ctgs	0.54	96.4	0.8	1.2	-	-	-	-	1.6	1438	98.4	98.4	2.0	0.02	-
2390-2400	Ctgs	0.58	99.0	0.5	0.1	-	-	-	-	0.5	6898	99.5	99.5	0.5	0.01	-
2450-2460	Ctgs	0.55	97.4	0.9	-	-	-	-	-	1.8	1363	98.2	98.2	0.9	0.01	-
2480-2490	Ctgs	0.98	90.0	4.2	2.7	0.6	0.5	0.1	0.0	1.7	2340	98.3	98.1	8.1	0.08	1.28
2510-2520	Ctgs	1.35	89.9	8.1	1.4	0.1	0.1	-	-	0.4	8417	99.6	99.6	9.7	0.10	1.78
2550-2560	Ctgs	0.45	66.1	2.6	1.2	0.3	0.8	0.7	0.3	28.0	498	72.0	71.0	4.9	0.07	0.38
2560-2570	Ctgs	0.40	85.8	6.5	3.0	0.5	0.4	-	-	3.9	1852	96.1	96.1	10.3	0.11	1.15
2570-2580	Ctgs	0.41	91.2	3.7	1.5	0.3	0.4	0.0	0.0	2.8	4347	97.2	97.1	5.9	0.06	0.79
2600-2610	Ctgs	0.93	72.0	7.5	5.5	1.4	2.0	1.1	0.7	9.9	6331	90.1	88.4	16.3	0.18	0.69
2630-2640	Ctgs	1.10	71.3	8.7	4.5	1.1	1.9	1.1	0.9	10.5	9682	89.5	87.4	16.2	0.18	0.59
2660-2670	Ctgs	1.02	68.5	10.8	6.1	1.5	2.5	1.4	1.1	8.1	15198	91.9	89.4	20.9	0.23	0.62
2690-2700	Ctgs	1.15	64.9	11.9	6.6	1.5	2.4	1.1	0.8	10.8	10569	89.2	87.3	22.4	0.26	0.63
2720-2730	Ctgs	1.08	57.4	12.7	9.4	2.2	3.9	1.8	1.4	11.3	8479	88.7	85.5	28.1	0.33	0.57
2750-2760	Ctgs	1.25	49.0	11.0	9.1	2.3	4.9	2.7	2.5	18.4	4683	81.6	76.4	27.4	0.36	0.47
2810-2820	Ctgs	1.11	55.3	12.6	10.9	2.5	4.3	1.8	1.1	11.5	2863	88.5	85.6	30.3	0.35	0.57
2840-2850	Ctgs	1.12	51.3	13.7	11.9	3.0	4.7	2.1	1.7	11.6	16540	88.4	84.7	33.3	0.39	0.64

COMBINED AIRSPACE AND OCCLUDED GASEOUS HYDROCARBON DATA
TABLE 3A

GENERAL DATA		AIRSPACE PLUS OCCLUDED GASEOUS HYDROCARBON DATA														
SAMPLE DEPTH Metres	SAMPLE TYPE	TOC % OF ROCK	GAS ABUNDANCE, %								TOTAL ABUNDANCE (ppm)	SUM, %			RATIOS	
			C1	C2	C3	iC4	nC4	iC5	nC5	C6+		C1-C5	C1-C4	C2-C4	C2-C4/ C1-C4	i-C4/ n-C4
2870-2880	Ctgs	1.18	53.8	18.8	13.9	2.6	3.8	1.4	0.9	4.9	10813	95.1	92.8	39.0	0.42	0.70
2900-2910	Ctgs	1.07	28.4	9.5	13.0	4.3	6.9	4.0	3.4	30.5	4208	69.5	62.1	33.7	0.54	0.63
2930-2940	Ctgs	0.85	57.6	13.6	12.3	3.0	4.1	1.6	1.2	6.6	3512	93.4	90.6	33.0	0.36	0.72
2990-3000	Ctgs	0.99	50.8	10.2	11.1	3.7	5.1	2.6	2.0	14.5	8258	85.5	80.9	30.1	0.37	0.71
3050-3060	Ctgs	1.15	52.3	15.0	15.2	4.2	5.0	1.8	1.1	5.4	4468	94.6	91.6	39.4	0.43	0.84
3110-3120	Ctgs	1.11	47.6	14.9	13.5	4.1	5.3	2.6	1.7	10.4	3162	89.6	85.4	37.8	0.44	0.77
3170-3180	Ctgs	0.92	52.2	18.0	14.2	3.9	3.8	1.6	0.9	5.4	3396	94.6	92.1	40.0	0.43	1.01
3200-3210	Ctgs	1.03	33.8	10.3	13.8	6.5	7.2	4.4	2.6	21.4	2678	78.6	71.6	37.8	0.53	0.90
3230-3240	Ctgs	0.92	30.8	9.4	10.1	3.2	4.8	2.4	2.0	37.2	2529	62.8	58.4	27.6	0.47	0.67
3290-3300	Ctgs	0.86	7.5	2.8	9.9	7.2	9.6	6.1	5.0	51.8	1600	48.2	37.1	29.6	0.80	0.75
3320-3330	Ctgs	0.77	46.7	6.5	8.7	4.7	6.2	3.6	2.8	20.8	3284	79.2	72.8	26.1	0.36	0.77
3340-3350	Ctgs	0.98	20.8	10.6	17.3	8.9	9.9	4.7	3.1	24.7	2397	75.3	67.5	46.7	0.69	0.90
3350-3360	Ctgs	0.86	4.6	2.1	12.8	7.8	12.2	6.7	5.6	48.3	2599	51.7	39.5	34.8	0.88	0.64
3410-3420	Ctgs	0.68	33.3	10.3	16.2	7.4	9.6	4.1	3.2	15.9	4045	84.1	76.9	43.6	0.57	0.78
3470-3480	Ctgs	0.83	21.8	7.1	15.2	7.8	13.0	6.0	5.7	23.6	3841	76.4	64.8	43.0	0.66	0.60
3530-3540	Ctgs	0.77	7.6	2.5	8.1	7.4	18.5	9.4	11.3	35.2	2782	64.8	44.2	36.5	0.83	0.40
3590-3600	Ctgs	0.73	8.8	5.1	16.3	7.0	15.6	7.4	8.0	31.9	6357	68.1	52.7	44.0	0.83	0.45
3650-3660	Ctgs	0.67	2.6	1.6	8.6	6.4	15.1	11.7	10.1	43.7	5344	56.3	34.4	31.8	0.92	0.42
3710-3720	Ctgs	0.67	23.0	15.0	28.2	7.5	12.5	3.7	2.0	8.1	13817	91.9	86.2	63.2	0.73	0.60
3770-3780	Ctgs	-	42.1	8.5	13.0	3.5	7.1	2.3	1.6	21.9	1991	78.1	74.1	32.1	0.43	0.49
3830-3840	Ctgs	-	92.8	2.9	1.5	0.3	0.6	0.2	0.1	1.5	14379	98.5	98.1	5.4	0.05	0.59
3890-3900	Ctgs	-	89.5	3.9	2.5	0.6	0.8	0.2	0.1	2.4	2754	97.6	97.3	7.7	0.08	0.68
3950-3960	Ctgs	-	48.2	5.0	13.5	4.5	8.9	2.2	1.3	16.4	2838	83.6	80.1	31.9	0.40	0.50
4010-4020	Ctgs	1.10	30.0	7.3	18.1	6.9	12.8	6.8	4.3	13.9	5107	86.1	75.0	45.0	0.60	0.54
4070-4080	Ctgs	0.83	7.6	5.8	17.5	5.8	16.0	8.1	8.0	31.3	11106	68.7	52.7	45.1	0.86	0.36
4130-4140	Ctgs	0.72	12.0	6.2	19.0	5.5	16.4	6.5	7.4	27.0	11762	73.0	59.1	47.1	0.80	0.34
4190-4200	Ctgs	-	44.1	11.2	13.4	2.8	6.8	2.6	2.7	16.4	8414	83.6	78.3	34.2	0.44	0.40
4220-4230	Ctgs	-	57.3	11.5	9.9	2.4	4.5	2.0	2.2	10.2	764	89.8	85.6	28.3	0.33	0.53
4250-4260	Ctgs	-	78.6	10.7	3.2	0.5	1.1	0.4	0.4	5.0	10329	95.0	94.1	15.5	0.17	0.50
4280-4290	Ctgs	0.61	24.0	4.7	10.8	3.7	9.1	5.0	5.0	37.7	8915	62.3	52.4	28.4	0.54	0.41
4310-4320	Ctgs	-	39.9	10.6	10.2	2.1	4.7	2.0	2.4	28.1	6919	71.9	67.5	27.6	0.41	0.45
4370-4380	Ctgs	-	19.4	3.2	3.0	0.9	1.7	1.2	0.9	69.7	1035	30.3	28.2	8.8	0.31	0.55
4400-4410	Ctgs	0.86	19.4	6.4	17.3	9.0	13.3	9.8	5.2	19.7	9913	80.3	65.3	45.9	0.70	0.68
4430-4440	Ctgs	0.56	27.6	14.1	23.7	8.9	10.5	5.2	1.7	8.4	14868	91.6	84.8	57.2	0.67	0.85
4460-4470	Ctgs	0.63	14.7	9.6	30.5	8.8	12.0	3.5	2.1	18.9	4667	81.1	75.6	60.9	0.81	0.74

COMBINED AIRSPACE AND OCCLUDED GASEOUS HYDROCARBON DATA
TABLE 3B

GENERAL DATA		AIRSPACE PLUS OCCLUDED GASEOUS HYDROCARBON DATA														
SAMPLE DEPTH Metres	SAMPLE TYPE	TOC % OF ROCK	GAS ABUNDANCE, %								TOTAL ABUNDANCE (ppm)	SUM, %			RATIOS	
			C1	C2	C3	iC4	nC4	iC5	nC5	C6+		C1-C5	C1-C4	C2-C4	C2-C4/ C1-C4	i-C4/ n-C4
4490-4500	Ctgs	0.65	35.0	11.5	19.5	6.9	9.8	3.7	1.2	12.4	4277	87.6	82.8	47.8	0.58	0.70
4550-4560	Ctgs	0.71	43.3	16.8	16.9	2.0	3.7	1.7	1.6	13.9	4789	86.1	82.8	39.5	0.48	0.55
4610-4620	Ctgs	0.33	52.5	10.2	5.8	1.5	3.4	2.4	1.3	22.8	3043	77.2	73.5	20.9	0.29	0.45
4670-4680	Ctgs	-	86.7	1.9	1.5	0.5	1.4	0.5	0.5	7.0	4194	93.0	91.9	5.2	0.06	0.36

COMBINED AIRSPACE AND OCCLUDED GASEOUS HYDROCARBON DATA
TABLE 3C

SAMPLE DATA						
SAMPLE DEPTH (Mtrs)	2690-700	2870-880	3410-420	3710-720	4130-140	4250-260
SAMPLE TYPE	Ctgs	Ctgs	Ctgs	Ctgs	Ctgs	Ctgs

COMPONENTS	GASOLINE RANGE COMPONENT ABUNDANCE (%)					
	2690-700	2870-880	3410-420	3710-720	4130-140	4250-260
i-C4	2.654	4.430	13.710	16.210	3.729	8.651
n-C4	7.191	9.734	23.551	41.803	17.005	23.166
i-C5	6.941	6.216	11.783	10.970	10.878	7.729
n-C5	7.572	5.694	10.377	7.062	15.949	7.478
2,2,dmb	.218	.112	.304	.466	.255	.367
cp	1.111	.875	1.089	1.089	.995	1.241
2,3,dmb	.728	.514	.860	.612	1.156	.634
2,mp	3.171	1.883	2.661	1.339	5.290	2.158
3,mp	2.054	1.027	1.464	1.034	3.197	1.422
n-C6	4.082	1.897	2.539	.792	7.527	2.136
mcp+2,2,dmp	8.319	3.759	2.565	1.853	5.870	4.268
2,4,dmp	.175	.189	.177	.070	.390	.204
benz	.523	1.543	2.005	2.414	.505	5.545
3,3,dmp	.021	.152	.018	.074	.087	.113
ch	5.087	3.930	2.517	2.661	4.340	6.270
2,mh	1.301	.449	.693	.203	1.952	.814
1,1,dmcp	.122	.110	.081	.050	.303	.220
3,mh	1.055	.399	.346	.150	1.495	.654
cis,1,3,dmcp	.858	.283	.155	.074	.512	.325
trans,1,3,dmcp	.791	.222	.178	.062	.477	.306
trans,1,2,dmcp+3,ep	2.160	.661	.567	.196	1.276	.895
n-C7	1.509	.635	.703	2.226	2.616	.824
mch+cis,1,2,dmcp	10.151	12.196	3.261	2.841	11.196	10.473
ecp	31.678	38.636	12.839	.030	.238	.289
tol	.528	4.453	5.556	5.718	2.760	13.817

GENERAL DATA																		
Total Abundance(ppb)	950		300		1045		1195		13670		1285							
TOC (% of Rock)	1.15		1.18		.68		.67		.72		*							
Abundance at 1% TOC	826		254		1537		1784		18986		*							
Alkane Composition	21	19	61	19	16	65	40	35	25	56	34	10	45	29	26	42	28	30
C7Alkane Composition	2	4	94	1	2	97	3	5	92	21	5	74	9	13	79	3	7	90
Aromatic Composition	1.05		6.00		7.56		8.13		3.27		19.36							

RATIOS						
i/n-C4	.37	.46	.58	.39	.22	.37
i/n-C5	.92	1.09	1.14	1.55	.68	1.03
cp / 2,3,dmb	1.53	1.70	1.27	1.78	.86	1.96
n-C7 / mch	.15	.05	.22	.78	.23	.08
2,mp / 3,mp	1.54	1.83	1.82	1.29	1.65	1.52
n-C6 / mcp +2,2,dmp	.49	.50	.99	.43	1.28	.50
mch / tol	19.23	2.74	.59	.50	4.06	.76
Late Mature Index	.05	.13	.61	.85	.05	.53
Aromaticity Index	.35	7.01	7.90	2.57	1.06	16.77
Heptane Index	3.03	1.18	3.70	37.25	12.73	5.45
Isoheptane Index	.60	.66	1.06	.92	1.34	.84
Kerogen Type Index				35.98	6.51	1.73

LEGEND					
i - iso	c - cyclo	m - methyl	b - butane	h - hexane	tol - toluene
n - normal	d - di	e - ethyl	p - pentane	benz - benzene	
Alkane Composition - % composition of normal, iso and cyclo alkanes					
C7 Alkane Composition - % composition of C7 normal, iso and cyclo alkanes					
Aromatic Composition - % composition of Benzene + Toluene					
For definition of indices - Late Mature, Aromaticity, Heptane, Isoheptane & Kerogen Type - see Appendix 2					

GASOLINE RANGE HYDROCARBON DATA

TABLE : 4A

SAMPLE DATA						
SAMPLE DEPTH (Mtrs)	4430-440					
SAMPLE TYPE	Ctgs					

COMPONENTS	GASOLINE RANGE COMPONENT ABUNDANCE (%)					
i-C4	7.486					
n-C4	18.071					
i-C5	17.676					
n-C5	12.167					
2,2,dmb	.952					
cp	.576					
2,3,dmb	1.641					
2,mp	5.573					
3,mp	3.466					
n-C6	4.063					
mcp+2,2,dmp	2.708					
2,4,dmp	.340					
benz	2.343					
3,3,dmp	.184					
ch	2.854					
2,mh	1.720					
1,1,dmcp	.138					
3,mh	1.287					
cis,1,3,dmcp	.159					
trans,1,3,dmcp	.141					
trans,1,2,dmcp+3,ep	.454					
n-C7	1.079					
mch+cis,1,2,dmcp	5.180					
ecp	.125					
tol	9.617					

GENERAL DATA						
Total Abundance(ppb)	9350					
TOC (% of Rock)	.56					
Abundance at 1% TOC	16696					
Alkane Composition	40	46	14			
C7Alkane Composition	7	22	72			
Aromatic Composition	11.96					

RATIOS						
i/n-C4	.41					
i/n-C5	1.45					
cp / 2,3,dmb	.35					
n-C7 / mch	.21					
2,mp / 3,mp	1.61					
n-C6 / mcp +2,2,dmp	1.50					
mch / tol	.54					
Late Mature Index	.45					
Aromaticity Index	8.91					
Heptane Index	9.98					
Isoheptane Index	3.37					
Kerogen Type Index	1.78					

LEGEND						
i - iso	c - cyclo	m - methyl	b - butane	h - hexane	tol - toluene	
n - normal	d - di	e - ethyl	p - pentane	benz - benzene		
Alkane Composition - % composition of normal, iso and cyclo alkanes						
C7 Alkane Composition - % composition of C7 normal, iso and cyclo alkanes						
Aromatic Composition - % composition of Benzene + Toluene						
For definition of indices - Late Mature, Aromaticity, Heptane, Isoheptane & Kerogen Type - see Appendix 2						

GASOLINE RANGE HYDROCARBON DATA

TABLE : 4B

GENERAL DATA			MATURITY DATA		KEROGEN COMPOSITION DATA							
SAMPLE DEPTH (Metres)	SAMPLE TYPE	ANALYSED LITHOLOGY	SPORE COLOUR INDEX	VITR. REFL. R oil av %	% (Visual, from microscopy)			% (Calculated)				
					INERTINITE	VITRINITE	SAPROPEL	INERT	VIT	ALG SAP	WXY SAP	
1420-430	Ctgs	MDST, med gy, sndy+ 10% SST	3.0-3.5	.34(25) .58(18)R .76(7)R .95(4)R	50?	Mnr? St	50?Am,Sp,D					
1600-610	Ctgs	MDST, med gy, sndy+ 20% SST	3.0-3.5	.32(4) .47(4)R .60(1)R	40	30 St,Am	30 Am,Sp					
1840-850	Ctgs	MDST, med gy, slty+ 10% SST	3.0-3.5	.35(8) .44(4)R	40	30 St,Am	30 Am,Sp					
2020-030	Ctgs	MDST, lt gn-gy+ 10% MDST, ol-gy+ 10% SST	3.5-4.0	.39(8) .52(9)R	25	25 St,Am	50 Di,Am					
2200-210	Ctgs	MDST, ol-gy+ 20% MDST, lt gn-gy+ 10% SST	3.0-3.5	.35(5) .60(4)R	10	40 Am,St	50Am,Di,Sp					
2450-460	Ctgs	MDST, ol-gy+ 10% MDST, lt ol-gy+ mnr MDST, lt bl-gy+ mnr LST, v lt gy	3.5	.38(17) .49(4)R .67(1)R	5	25 St,Am	70Am,Di,Sp					
2630-640	Ctgs	MDST, ol-gy+ mnr MDST, lt gy+ mnr MDST, yel-gy	3.5-4.0	.37(13) .54(1)R	10	80 Am,St	10 Di,Sp					
2750-760	Ctgs	MDST, med gy, calc+ mnr MDST, lt ol-gy+ tr MDST, lt gy	4.0	.39(6) .48(9)R .69(4)R	15	75 St,Am	10 Sp,Di					
2840-850	Ctgs	MDST, med gy, calc+ tr MDST, gy-red+ tr MDST, lt gy	3.5-4.0	.35(11)	60	30 St,Am	10 Sp,Di					
2870-880	Ctgs	MDST, med gy, calc+ mnr MDST, gy-orng+ tr MDST, lt gy	4.0 6.0-7.0	.40(41) .61(10)R .76(3)R	5	85 St,Am	10 Sp,Di					
2990-3000	Ctgs	MDST, med gy, calc+ mnr MDST, lt gy	3.5	.39(53) .85(2)R	5	85 St,Am	10 Sp,Di					
3110-120	Ctgs	MDST, med gy, calc+ mnr MDST, lt gy	3.5-4.0	.45(32) .65(18)R .91(4)R	80	20 Am,St	Mnr Sp					
3290-300	Ctgs	MDST, med gy, calc+ mnr MDST, pal yel-brn	4.0	.45(46) .67(7)R	50	40 Am,St	10 Sp,Di					
3410-420	Ctgs	MDST, med-dk gy+ mnr MDST, pal yel-brn+ tr LST, wht	4.5 6.0-6.5	.50(23) .34(9)C .65(15)R .83(7)R	30	50 Am,St	20 Am					
3590-600	Ctgs	MDST, med-dk gy+ mnr MDST, pal yel-brn+ mnr LST, wht+ tr LCM	5.5-6.0	.52(36) .34(6)C .76(13)R	30	50 Am,St	20 Am					
3650-660	Ctgs	MDST, med-dk gy+ 20% MDST, dk gy+ mnr LST lt gy+ mnr MDST, lt gy+ tr LST, wht	7.0-7.5	.77(28) .55(9)C 1.06(9)R 1.32(9)R	60	40 Am,St	Mnr Sp,Di					

MATURITY AND KEROGEN COMPOSITION DATA

TABLE : 5A

GENERAL DATA			MATURITY DATA		KEROGEN COMPOSITION DATA							
SAMPLE DEPTH (Metres)	SAMPLE TYPE	ANALYSED LITHOLOGY	SPORE COLOUR INDEX	VITR. REFL. R oil av %	% (Visual, from microscopy)			% (Calculated)				
					INERTINITE	VITRINITE	SAPROPEL	INERT	VIT	ALG SAP	WXY SAP	
3710-720	Ctgs	MDST, med-dk gy+ mnr MDST, lt gy+ tr LST, wht+ tr LCM	9.0	1.95(20) .70(7)L 1.18(11)L 2.58(17)R	60	40 Am,St	Mnr Sp,Di					
4010-020	Ctgs	MDST, dk gy+ mnr IGN	9.0-9.5	1.88(34) 1.26(10)L 2.43(11)R	30	70 St,Am	Mnr Sp,Di					
4130-140	Ctgs	MDST, dk gy+ mnr SST wht, glc+ mnr IGN	8.5-9.0	1.59(19) .96(13)L 1.27(15)L 1.96(8)R	30	70 St,Am	Mnr Sp,Di					
4310-320	Ctgs	MDST, dk gy+ 30% SST lt gy, glc+ mnr IGN	8.5 9.5 c	1.34(15) 1.06(20)C 1.55(11)R 1.86(9)R	30	70 St,Am	Mnr Sp,Di					
4400-410	Ctgs	MDST, dk gy+ 10% LCM + mnr SST, v lt gy+ tr IGN	9.0	1.61(11) 2.01(8)R 2.42(10)R	40	50 Am,St	10 Sp,Di					
4490-500	Ctgs	MDST, med-dk gy+ mnr LST, lt gy+ tr LCM	9.0-9.5	2.42(29) 1.60(13)C 2.97(11)R 3.99(2)R	20	80 Am,St	Mnr Sp					
4610-620	Ctgs	MDST, med gy+ 30% MDST, gy-blk+ mnr MDST, v lt gy	9.5-10.0 8.5 c	2.98(8) 2.06(10)C 4.01(7)R	80	20 Am,St	Mnr Sp					

MATURITY AND KEROGEN COMPOSITION DATA

TABLE : 5B

COMPANY: ESSO NORGE

WELL: 6607/5-2

LOCATION: MID-NORWAY

Depth (m)	Kerogen Type (%)				
	Liptinite Amorphous	Exinite	Vitrinite Amorphous	Vitrinite Structured	Inertinite
1420-1430	40	10 Sp,Di	*	Mnr	50
1600-1610	20	10Sp	10	20	40
1840-1850	20	10Sp	10	20	40
2020-2030	20	30Di	10	15	25
2200-2210	50	10 Di, Sp	30	10	10
2450-2460	50	20 Di, Sp	5	20	5
2630-2640	*	10 Di, Sp	60	20	10
2750-2760	*	10 Sp,Di	25	50	15
2840-2850	*	10 Sp,Di	10	20	60
2870-2880	*	10 Sp,Di	30	55	5
2990-3000	*	10 Sp,Di	30	55	5
3110-3120	*	Mnr Sp	15	5	80
3290-3300	*	10 Sp,Di	20	20	50
3410-3420	20	Mnr Sp,Di	40	10	30
3590-3600	20	Mnr Sp,Di	40	10	30
3650-3660	*	Mnr Sp,Di	30	10	60
3710-3720	*	Mnr Sp,Di	30	10	60
4010-4020	*	Mnr Sp,Di	30	40	30
4130-4140	*	Mnr Sp,Di	30	40	30
4310-4320	*	Mnr Sp,Di	30	40	30
4400-4410	*	10 Sp,Di	30	10	40
4490-4500	*	Mnr Sp	50	30	20
4610-4620	*	Mnr Sp	10	10	80

Table 6 Detailed kerogen composition data

GENERAL DATA			CHEMICAL ANALYSIS DATA														
SAMPLE DEPTH (Metres)	SAMPLE TYPE	ANALYSED LITHOLOGY	TOC % OF ROCK	PYROLYSIS					SOLVENT EXTRACTION/FRACTIONATION								
				Tmax °C	HI	OI	PI	POT.YLD. (ppm)	EXTR. (ppm)	HC (ppm)	EXTR. % OC	HC %OC	ALK. %EX	ALK. %HC			
1240-250	Ctgs	SST, lt gy+ 20% MDST, med-lt gy	-														
1300-310	Ctgs	SST, lt gy+ 40% SST	-														
1360-370	Ctgs	SST, lt gy+ 40% SST	-														
1420-430	Ctgs	MDST, med gy, sndy+ 10% SST	.42														
1480-490	Ctgs	MDST, med gy, sndy+ 20% SST	-														
1540-550	Ctgs	MDST, med gy, sndy+ 20% SST	-														
1600-610	Ctgs	MDST, med gy, sndy+ 20% SST	-														
1650-660	Ctgs	MDST, med gy, sndy+ 30% SST	-														
1720-730	Ctgs	MDST, med gy, sndy+ 20% SST	.38														
1780-790	Ctgs	SST+ 40% MDST, med gy, slty	-														
1840-850	Ctgs	MDST, med gy, slty+ 10% SST	-														
1890-900	Ctgs	MDST, med gy, sndy+ 30% SST	.28														
1900-910	Ctgs	MDST, lt ol-gy, slty+ 30% SST	-														
1960-970	Ctgs	MDST, med gy, slty+ 30% SST	.33														
2020-030	Ctgs	MDST, lt gn-gy+ 10% MDST ol-gy+ 10% SST	.34														
2080-090	Ctgs	MDST, lt gn-gy+ 30% MDST med-lt gy+ mnr SST	.26														
2140-150	Ctgs	MDST, lt gn-gy+ 30% MDST bl-wht+ 10% MDST, ol-gy + mnr SST	.26														
2200-210	Ctgs	MDST, ol-gy+ 20% MDST, lt gn-gy+ 10% SST	.47														
	P	MDST, ol-gy	.63	419	48	75	.17	300									
	P	MDST, lt gn-gy	.31														
2260-270	Ctgs	MDST, lt gy, slty+ mnr SST	.46														
2320-330	Ctgs	MDST, lt ol-gy+ mnr MDST wht+ mnr SND	.54														

SUMMARY OF CHEMICAL ANALYSIS DATA

TABLE : 7A

GENERAL DATA			CHEMICAL ANALYSIS DATA											
SAMPLE DEPTH (Metres)	SAMPLE TYPE	ANALYSED LITHOLOGY	TOC % OF ROCK	PYROLYSIS					SOLVENT EXTRACTION/FRACTIONATION					
				Tmax °C	HI	OI	PI	POT.YLD. (ppm)	EXTR. (ppm)	HC (ppm)	EXTR. % OC	HC		ALK.
											%OC	%EX	%HC	
2390-400	Ctgs	MDST, ol-gy+ 30% MDST, dk yel-brn+ 20% MDST, lt bl-gy+ mnr LST, v lt gy	.58											
	P	MDST, ol-gy	1.12	412	51	69	.12	570						
2450-460	Ctgs	MDST, ol-gy+ 10% MDST, lt ol-gy+ mnr MDST, lt bl-gy+ mnr LST, v lt gy	.55											
2480-490	Ctgs	MDST, brn-gy+ 20% MDST, ol-gy+ mnr LST, v lt gy	.98	423	44	164	.10	430						
2510-520	Ctgs	MDST, ol-gy+ 30% MDST, lt ol-gy+ mnr MDST, bl-wht+ tr MDST, mod red-brn	1.35	418	85	64	.07	1150	290	105	2.1	8	37	55
2550-560	Ctgs	MDST, med-lt gy+ mnr MDST, dk gy+ mnr MDST, lt ol-gy+ mnr MDST, v lt gy+ tr LST, wht	.45											
2560-570	Ctgs	MDST, med gy, calc+ 30% LST, wht+ tr MDST, gy-red	.40											
	P	MDST, med gy, calc	.40											
	P	LST, wht	.26											
2570-580	Ctgs	MDST, lt gy+ 10% LST, v lt gy+ tr MDST, lt gn-gy	.41											
2600-610	Ctgs	MDST, med gy, calc+ mnr MDST, v pal orng	.93											
2630-640	Ctgs	MDST, ol-gy+ mnr MDST, lt gy+ mnr MDST, yel-gy	1.10	425	56	95	.18	620						
2660-670	Ctgs	MDST, med gy, calc+ 20% MDST, lt gy+ tr MDST, gy-red	1.02	429	50	104	.18	510	465	230	4.6	22	49	52
2690-700	Ctgs	MDST, med gy, calc+ mnr MDST, yel-gy+ tr LST, v lt gy	1.15	434	82	118	.16	940						
2720-730	Ctgs	MDST, med gy, calc+ mnr MDST, lt gy+ tr LST, wht	1.08	429	58	125	.21	630						
2750-760	Ctgs	MDST, med gy, calc+ mnr MDST, lt ol-gy+ tr MDST, lt gy	1.25	430	64	75	.21	800	465	245	3.7	20	52	49
2810-820	Ctgs	MDST, med gy, calc+ tr MDST, lt gn-gy+ tr MDST, wht	1.11	428	45	76	.12	500						
2840-850	Ctgs	MDST, med gy, calc+ tr MDST, gy-red+ tr MDST, lt gy	1.12	425	55	82	.14	620	200		1.8			

SUMMARY OF CHEMICAL ANALYSIS DATA

TABLE : 7B

GENERAL DATA			CHEMICAL ANALYSIS DATA												
SAMPLE DEPTH (Metres)	SAMPLE TYPE	ANALYSED LITHOLOGY	TOC % OF ROCK	PYROLYSIS					SOLVENT EXTRACTION/FRACTIONATION						
				Tmax °C	HI	OI	PI	POT.YLD. (ppm)	EXTR. (ppm)	HC (ppm)	EXTR. % OC	HC		ALK.	
					%OC	%EX	%HC								
2870-880	Ctgs	MDST, med gy, calc+ mnr MDST, gy-orng+ tr MDST, lt gy	1.18	427	55	86	.13	650	165			1.4			
2900-910	Ctgs	MDST, med gy, calc+ mnr MDST, lt gy+ tr glc+ tr MDST, gy-red	1.07	430	64	120	.20	680							
2930-940	Ctgs	MDST, med gy, calc+ 20% MDST, v lt gy, calc+ mnr MDST, gy-orng	.85												
2990-3000	Ctgs	MDST, med gy, calc+ mnr MDST, lt gy	.99												
3050-060	Ctgs	MDST, med gy, calc+ mnr MDST, lt gy	1.15	428	65	97	.11	750	210			1.8			
3110-120	Ctgs	MDST, med gy, calc+ mnr MDST, lt gy	1.11	430	60	71	.12	670							
3170-180	Ctgs	MDST, med gy, calc+ tr LST, v lt gy	.92												
3200-210	Ctgs	MDST, med gy, calc+ mnr MDST, lt gy+ tr MDST, lt gn-gy+ tr MDST, gy-red	1.03	427	59	102	.23	610	450	235	4.4	23	53	59	
3230-240	Ctgs	MDST, med gy, calc+ 10% MDST, pal yel-brn+ tr pyr	.92	430	62	153	.15	570							
	P	MDST, med gy, calc	.99												
	P	MDST, pal yel-brn	.50												
3290-300	Ctgs	MDST, med gy, calc+ mnr MDST, pal yel-brn	.86												
3320-330	Ctgs	MDST, med-dk gy+ tr MDST lt gn-gy+ tr MDST, gy-red+ tr pyr	.77						190	125	2.5	16	66	67	
3340-350	Ctgs	MDST, med-dk gy+ 10% MDST, gy-red+ mnr MDST, lt gy+ mnr LCM	.98												
3350-360	Ctgs	MDST, med gy, calc+ mnr MDST, med gy, calc	.86	425	48	164	.25	410	190		2.2				
3410-420	Ctgs	MDST, med-dk gy+ mnr MDST, pal yel-brn+ tr LST, wht	.68												
3470-480	Ctgs	MDST, med-dk gy+ mnr MDST, pal yel-brn+ tr LST, wht	.83	432	58	133	.24	480							
3530-540	Ctgs	MDST, med-dk gy+ mnr MDST, pal yel-brn+ tr LCM+ tr LST, wht	.77												
3590-600	Ctgs	MDST, med-dk gy+ mnr MDST, pal yel-brn+ mnr LST, wht+ tr LCM	.73	428	47	211	.42	340							

SUMMARY OF CHEMICAL ANALYSIS DATA

TABLE : 7C

GENERAL DATA			CHEMICAL ANALYSIS DATA											
SAMPLE DEPTH (Metres)	SAMPLE TYPE	ANALYSED LITHOLOGY	TOC % OF ROCK	PYROLYSIS					SOLVENT EXTRACTION/FRACTIONATION					
				Tmax °C	HI	OI	PI	POT.YLD. (ppm)	EXTR. (ppm)	HC (ppm)	EXTR. % OC	HC		ALK.
					%OC	%EX	%HC							
3650-660	Ctgs	MDST, med-dk gy+ 20% MDST, dk gy+ mnr LST, lt gy+ mnr MDST, lt gy+ tr LST, wht	.67											
	P	MDST, dk gy	.77	431	31	62	.56	240						
3710-720	Ctgs	MDST, med-dk gy+ mnr MDST, lt gy+ tr LST, wht + tr LCM	.67						90			1.3		
3770-780	Ctgs	IGN+ 40% MDST, med-dk gy	-											
	P	MDST, med-dk gy	.85											
3830-840	Ctgs	IGN	-											
3890-900	Ctgs	IGN	-											
3950-960	Ctgs	MDST, med gy+ 10% IGN	-											
4010-020	Ctgs	MDST, dk gy+ mnr IGN	1.10	*	136	178	.48	1500	3250	3025	29.5	275	93	80
4070-080	Ctgs	MDST, dk gy+ mnr SST, wht, glc+ tr LST, wht	.83											
4130-140	Ctgs	MDST, dk gy+ mnr SST, wht, glc+ mnr IGN	.72											
4190-200	Ctgs	MDST, dk gy+ 10% SST, v lt gy+ 10% IGN	-											
	P	MDST, dk gy	1.05	445	46	30	.40	480	305		2.9			
4220-230	Ctgs	SST, v lt gy+ 20% MDST, dk gy	-											
4250-260	Ctgs	SST, v lt gy, glc+ 30% MDST, dk gy+ mnr IGN	-											
	P	MDST, dk gy	1.34	446	49	68	.35	660						
4280-290	Ctgs	MDST, dk gy+ 30% SST, v lt gy	.61											
	P	MDST, dk gy	1.45	448	42	46	.42	610						
4310-320	Ctgs	MDST, dk gy+ 30% SST, lt gy, glc+ mnr IGN	-											
	P	MDST, dk gy	1.48	451	34	42	.46	500	750		5.1			
4370-380	Ctgs	MDST, dk gy+ 20% IGN	-											
	P	MDST, dk gy	1.11	428	26	82	.54	290						
4400-410	Ctgs	MDST, dk gy+ 10% LCM+ mnr SST, v lt gy+ tr IGN	.86											
4430-440	Ctgs	MDST, med-dk gy+ mnr LST lt gy	.56											
4460-470	Ctgs	MDST, dk gy+ 10% MDST, lt gy	.63											

SUMMARY OF CHEMICAL ANALYSIS DATA

TABLE : 7D

GENERAL DATA			CHEMICAL ANALYSIS DATA										
SAMPLE DEPTH (Metres)	SAMPLE TYPE	ANALYSED LITHOLOGY	TOC % OF ROCK	PYROLYSIS					SOLVENT EXTRACTION/FRACTIONATION				
				Tmax °C	HI	OI	PI	POT.YLD. (ppm)	EXTR. (ppm)	HC (ppm)	EXTR. % OC	HC	
											%OC	%EX	%HC
4490-500	Ctgs	MDST, med-dk gy+ mnr LST lt gy+ tr LCM	.65										
4550-560	Ctgs	MDST, dk gy+ 10% SST, v lt gy+ mnr LCM	.71	394	34	123	.41	240					
4610-620	Ctgs	MDST, med gy+ 30% MDST, gy-blk+ mnr MDST, v lt gy	.33										
	P	MDST, gy-blk	.52										
4670-680	Ctgs	IGN	-										

SUMMARY OF CHEMICAL ANALYSIS DATA

TABLE : 7E

GENERAL DATA			CHEMICAL ANALYSIS DATA									
SAMPLE DEPTH (Metres)	SAMPLE TYPE	ANALYSED LITHOLOGY	TOC % OF ROCK	PYROLYSIS								
				S1 (ppm)	S2 (ppm)	S3 (ppm)	HI	OI	PI	Tmax °C	S2/S3	
1420-430	Ctgs	MDST, med gy, sndy+ 10% SST	.42									
1720-730	Ctgs	MDST, med gy, sndy+ 20% SST	.38									
1890-900	Ctgs	MDST, med gy, sndy+ 30% SST	.28									
1960-970	Ctgs	MDST, med gy, slty+ 30% SST	.33									
2020-030	Ctgs	MDST, lt gn-gy+ 10% MDST, ol-gy+ 10% SST	.34									
2080-090	Ctgs	MDST, lt gn-gy+ 30% MDST, med-lt gy+ mnr SST	.26									
2140-150	Ctgs	MDST, lt gn-gy+ 30% MDST, bl-wht+ 10% MDST, ol-gy+ mnr SST	.26									
2200-210	Ctgs	MDST, ol-gy+ 20% MDST, lt gn-gy+ 10% SST	.47									
	P	MDST, ol-gy	.63	60	300	470	48	75	.17	419		.64
	P	MDST, lt gn-gy	.31									
2260-270	Ctgs	MDST, lt gy, slty+ mnr SST	.46									
2320-330	Ctgs	MDST, lt ol-gy+ mnr MDST, wht + mnr SND	.54									
2390-400	Ctgs	MDST, ol-gy+ 30% MDST, dk yel-brn+ 20% MDST, lt bl-gy + mnr LST, v lt gy	.58									
	P	MDST, ol-gy	1.12	80	570	770	51	69	.12	412		.74
2450-460	Ctgs	MDST, ol-gy+ 10% MDST, lt ol-gy+ mnr MDST, lt bl-gy+ mnr LST, v lt gy	.55									
2480-490	Ctgs	MDST, brn-gy+ 20% MDST, ol-gy + mnr LST, v lt gy	.98	50	430	1610	44	164	.10	423		.27
2510-520	Ctgs	MDST, ol-gy+ 30% MDST, lt ol-gy+ mnr MDST, bl-wht+ tr MDST, mod red-brn	1.35	90	1150	870	85	64	.07	418		1.32
2550-560	Ctgs	MDST, med-lt gy+ mnr MDST, dk gy+ mnr MDST, lt ol-gy+ mnr MDST, v lt gy+ tr LST, wht	.45									
2560-570	Ctgs	MDST, med gy, calc+ 30% LST, wht+ tr MDST, gy-red	.40									
	P	MDST, med gy, calc	.40									
	P	LST, wht	.26									
2570-580	Ctgs	MDST, lt gy+ 10% LST, v lt gy + tr MDST, lt gn-gy	.41									
2600-610	Ctgs	MDST, med gy, calc+ mnr MDST, v pal orng	.93									
2630-640	Ctgs	MDST, ol-gy+ mnr MDST, lt gy+ mnr MDST, yel-gy	1.10	140	620	1050	56	95	.18	425		.59

ORGANIC CARBON AND ROCK-EVAL PYROLYSIS DATA

TABLE : 8A

GENERAL DATA			CHEMICAL ANALYSIS DATA								
SAMPLE DEPTH (Metres)	SAMPLE TYPE	ANALYSED LITHOLOGY	TOC % OF ROCK	P Y R O L Y S I S							
				S1 (ppm)	S2 (ppm)	S3 (ppm)	HI	OI	PI	Tmax °C	S2/S3
2660-670	Ctgs	MDST, med gy, calc+ 20% MDST, lt gy+ tr MDST, gy-red	1.02	110	510	1060	50	104	.18	429	.48
2690-700	Ctgs	MDST, med gy, calc+ mnr MDST, yel-gy+ tr LST, v lt gy	1.15	180	940	1360	82	118	.16	434	.69
2720-730	Ctgs	MDST, med gy, calc+ mnr MDST, lt gy+ tr LST, wht	1.08	170	630	1350	58	125	.21	429	.47
2750-760	Ctgs	MDST, med gy, calc+ mnr MDST, lt ol-gy+ tr MDST, lt gy	1.25	210	800	940	64	75	.21	430	.85
2810-820	Ctgs	MDST, med gy, calc+ tr MDST, lt gn-gy+ tr MDST, wht	1.11	70	500	840	45	76	.12	428	.60
2840-850	Ctgs	MDST, med gy, calc+ tr MDST, gy-red+ tr MDST, lt gy	1.12	100	620	920	55	82	.14	425	.67
2870-880	Ctgs	MDST, med gy, calc+ mnr MDST, gy-orng+ tr MDST, lt gy	1.18	100	650	1010	55	86	.13	427	.64
2900-910	Ctgs	MDST, med gy, calc+ mnr MDST, lt gy+ tr glc+ tr MDST, gy-red	1.07	170	680	1280	64	120	.20	430	.53
2930-940	Ctgs	MDST, med gy, calc+ 20% MDST, v lt gy, calc+ mnr MDST, gy-orng	.85								
2990-3000	Ctgs	MDST, med gy, calc+ mnr MDST, lt gy	.99								
3050-060	Ctgs	MDST, med gy, calc+ mnr MDST, lt gy	1.15	90	750	1110	65	97	.11	428	.68
3110-120	Ctgs	MDST, med gy, calc+ mnr MDST, lt gy	1.11	90	670	790	60	71	.12	430	.85
3170-180	Ctgs	MDST, med gy, calc+ tr LST, v lt gy	.92								
3200-210	Ctgs	MDST, med gy, calc+ mnr MDST, lt gy+ tr MDST, lt gn-gy+ tr MDST, gy-red	1.03	180	610	1050	59	102	.23	427	.58
3230-240	Ctgs	MDST, med gy, calc+ 10% MDST, pal yel-brn+ tr pyr	.92	100	570	1410	62	153	.15	430	.40
	P	MDST, med gy, calc	.99								
	P	MDST, pal yel-brn	.50								
3290-300	Ctgs	MDST, med gy, calc+ mnr MDST, pal yel-brn	.86								
3320-330	Ctgs	MDST, med-dk gy+ tr MDST, lt gn-gy+ tr MDST, gy-red+ tr pyr	.77								
3340-350	Ctgs	MDST, med-dk gy+ 10% MDST, gy-red+ mnr MDST, lt gy+ mnr LCM	.98								
3350-360	Ctgs	MDST, med gy, calc+ mnr MDST, med gy, calc	.86	140	410	1410	48	164	.25	425	.29

ORGANIC CARBON AND ROCK-EVAL PYROLYSIS DATA

TABLE : 8B

GENERAL DATA			CHEMICAL ANALYSIS DATA									
SAMPLE DEPTH (Metres)	SAMPLE TYPE	ANALYSED LITHOLOGY	TOC % OF ROCK	P Y R O L Y S I S								
				S1 (ppm)	S2 (ppm)	S3 (ppm)	HI	OI	PI	Tmax °C	S2/S3	
3410-420	Ctgs	MDST, med-dk gy+ mnr MDST, pal yel-brn+ tr LST, wht	.68									
3470-480	Ctgs	MDST, med-dk gy+ mnr MDST, pal yel-brn+ tr LST, wht	.83	150	480	1100	58	133	.24	432		.44
3530-540	Ctgs	MDST, med-dk gy+ mnr MDST, pal yel-brn+ tr LCM+ tr LST, wht	.77									
3590-600	Ctgs	MDST, med-dk gy+ mnr MDST, pal yel-brn+ mnr LST, wht+ tr LCM	.73	250	340	1540	47	211	.42	428		.22
3650-660	Ctgs	MDST, med-dk gy+ 20% MDST, dk gy+ mnr LST, lt gy+ mnr MDST, lt gy+ tr LST, wht	.67									
	P	MDST, dk gy	.77	310	240	480	31	62	.56	431		.50
3710-720	Ctgs	MDST, med-dk gy+ mnr MDST, lt gy+ tr LST, wht+ tr LCM	.67									
3770-780	Ctgs	IGN+ 40% MDST, med-dk gy										
	P	MDST, med-dk gy	.85									
4010-020	Ctgs	MDST, dk gy+ mnr IGN	1.10	1410	1500	1960	136	178	.48	*		.77
4070-080	Ctgs	MDST, dk gy+ mnr SST, wht, glc + tr LST, wht	.83									
4130-140	Ctgs	MDST, dk gy+ mnr SST, wht, glc + mnr IGN	.72									
4190-200	Ctgs	MDST, dk gy+ 10% SST, v lt gy + 10% IGN										
	P	MDST, dk gy	1.05	320	480	320	46	30	.40	445		1.50
4250-260	Ctgs	SST, v lt gy, glc+ 30% MDST, dk gy+ mnr IGN										
	P	MDST, dk gy	1.34	360	660	910	49	68	.35	446		.73
4280-290	Ctgs	MDST, dk gy+ 30% SST, v lt gy	.61									
	P	MDST, dk gy	1.45	450	610	660	42	46	.42	448		.92
4310-320	Ctgs	MDST, dk gy+ 30% SST, lt gy, glc+ mnr IGN										
	P	MDST, dk gy	1.48	420	500	620	34	42	.46	451		.81
4370-380	Ctgs	MDST, dk gy+ 20% IGN										
	P	MDST, dk gy	1.11	340	290	910	26	82	.54	428		.32
4400-410	Ctgs	MDST, dk gy+ 10% LCM+ mnr SST, v lt gy+ tr IGN	.86									
4430-440	Ctgs	MDST, med-dk gy+ mnr LST, lt gy	.56									
4460-470	Ctgs	MDST, dk gy+ 10% MDST, lt gy	.63									

ORGANIC CARBON AND ROCK-EVAL PYROLYSIS DATA

TABLE : 8C

GENERAL DATA			CHEMICAL ANALYSIS DATA									
SAMPLE DEPTH (Metres)	SAMPLE TYPE	ANALYSED LITHOLOGY	TOC % OF ROCK	P Y R O L Y S I S								
				S1 (ppm)	S2 (ppm)	S3 (ppm)	HI	OI	PI	Tmax °C	S2/S3	
4490-500	Ctgs	MDST, med-dk gy+ mnr LST, lt gy+ tr LCM	.65									
4550-560	Ctgs	MDST, dk gy+ 10% SST, v lt gy + mnr LCM	.71	170	240	870	34	123	.41	394		.28
4610-620	Ctgs	MDST, med gy+ 30% MDST, gy-blk + mnr MDST, v lt gy	.33									
	P	MDST, gy-blk	.52									

ORGANIC CARBON AND ROCK-EVAL PYROLYSIS DATA
TABLE : 8D

COMPANY: ESSO NORGE

WELL: 6607/5-2

LOCATION: MID-NORWAY

	Tmax	S1	S2	S3	HI	OI
1	441	0.64	6.37	0.30	637	30
2	439	0.71	6.33	0.20	633	20
3	441	0.66	6.28	0.26	628	26
4	438	0.71	6.22	0.22	622	22
5	438	0.68	6.33	0.25	633	25
6	438	0.69	6.70	0.20	670	20
7	439	0.69	6.58	0.26	658	26
Mean	439.1	0.6829	6.401	0.2414	640.1	24.1
sd	1.245	0.0237	0.160	0.0340	16.031	3.399

Analysis of pyrolysis standards carried out at regular interval during analysis of samples from the 6607/5-2 well. S1, S2 and S3 pyrolysis yields given as g/gTOC. Hydrogen and oxygen indices calculated at 1% total organic carbon (TOC)

Table 9 Rock-Eval pyrolysis standard data

GENERAL DATA				SOLVENT EXTRACTION AND IATROSCAN DATA								
SAMPLE DEPTH (Metres)	SAMPLE TYPE	ANALYSED LITHOLOGY	TOC % OF ROCK	EXTR. ppm	EXTR. % OF ORG. CARB. (EPOC)	ALKS. % OF EXTR.	AROMS. % OF EXTR.	POLARS % OF EXTR.	HYDROCARBONS			ALKS. % OF HC
									ppm	% OF ORG. CARB.	% OF EXTR.	
2510-2520	Ctgs	MDST, ol-gy+ 30% MDST, ly ol-gy+ mnr MDST, bl-wht+ tr MDST, v lt gy+ tr LST, wht	1.35	290	2.1	20.4	16.7	63.0	105	8	37	55
2660-2670	Ctgs	MDST, med gy, calc+ 20% MDST, lt gy+ tr MDST, gy-red	1.02	465	4.6	25.7	23.7	50.5	230	22	49	52
2750-2760	Ctgs	MDST, med gy, calc+ mnr MDST, lt ol-gy+ tr MDST, lt gy	1.25	465	3.7	25.5	26.5	48.0	245	20	52	49
2840-2850	Ctgs	MDST, med gy, calc+ tr MDST, gy-red+ tr MDST, lt gy	1.12	200	1.8							
2870-2880	Ctgs	MDST, med gy, calc+ mnr MDST, gy-orng+ tr MDST, lt gy	1.18	165	1.4							
3050-3060	Ctgs	MDST, med gy, calc+ mnr MDST, lt gy	1.15	210	1.8							
3200-3210	Ctgs	MDST, med gy, calc+ mnr MDST, lt gy+ tr MDST, lt gn-gy+ tr MDST, gy-red	1.03	450	4.4	31.3	21.7	47.0	235	23	53	59
3320-3330	Ctgs	MDST, med dk-gy+ tr MDST, lt gn-gy+ tr MDST, gy-red+ tr pyr	0.77	190	2.5	44.1	21.7	34.2	125	16	66	67
3350-3360	Ctgs	MDST, med gy, calc	0.86	190	2.2							
3710-3720	Ctgs	MDST, med dk-gy+ mnr MDST, lt gy+ tr LST, wht+ tr LCM	0.67	90	1.3							
4010-4020	Ctgs	MDST, dk gy+ mnr IGN	1.10	3250	29.5	74.5	18.6	6.9	3025	275	93	80
4190-4200	Ctgs	MDST, dk gy+ 10% SST, v lt gy+ 10% IGN										
	P	MDST, dk gy	1.05	305	2.9							
4310-4320	Ctgs	MDST, dk gy+ 30% SST, lt gy, glc+ mnr IGN										
	P	MDST, dk gy	1.48	750	5.1							

SOLVENT EXTRACTION AND IATROSCAN FRACTIONATION DATA

TABLE: 10

SAMPLE DATA						
SAMPLE DEPTH (Mtrs) SAMPLE TYPE	2510-520 Ctgs	2660-670 Ctgs	2750-760 Ctgs	3200-210 Ctgs	3320-330 Ctgs	3350-360 Ctgs

COMPONENTS	QUANTIFIED NORMAL AND ISOPRENOID ALKANE ABUNDANCES (%)					
	2510-520	2660-670	2750-760	3200-210	3320-330	3350-360
n-C10						
n-C11						
n-C12		.24		.03		
n-C13		.55		.11	.02	
n-C14		1.13	.14	.19	.05	.03
n-C15	.26	1.11	.82	.21	.31	.57
n-C16	1.07	1.08	1.95	.22	1.66	2.58
n-C17	2.48	1.29	4.06	.64	3.80	5.44
n-C18	3.35	1.82	5.88	2.20	6.19	8.02
n-C19	4.15	3.15	6.24	4.83	7.41	8.66
n-C20	4.27	4.50	5.76	6.80	6.53	7.85
n-C21	7.87	5.19	4.94	7.17	5.61	6.33
n-C22	5.41	6.24	4.73	7.43	5.39	6.25
n-C23	5.54	6.03	4.37	6.54	4.92	5.96
n-C24	5.15	6.60	5.42	6.89	6.15	5.60
n-C25	5.72	6.65	5.28	6.91	6.64	5.98
n-C26	4.98	6.89	5.41	6.05	6.18	4.71
n-C27	4.91	6.28	5.64	7.44	6.00	4.06
n-C28	4.38	7.64	6.94	7.29	6.23	4.42
n-C29	13.87	7.84	8.35	8.69	5.75	5.74
n-C30	2.31	5.75	4.30	4.93	3.68	2.19
n-C31	4.55	4.31	3.34	4.04	3.03	2.16
n-C32	1.77	3.50	2.42	2.68	2.15	.93
n-C33	2.81	2.91	2.12	2.41	2.06	1.29
n-C34	1.46	2.60	1.88	2.10	1.81	1.16
n-C35	3.58	2.10	1.53	1.53	1.35	.72
n-C36	1.66	1.69	1.08	1.16	.74	.53
i-C15 (Farnesane)		.51	.02	.09	.01	
i-C16		.41	.30	.09	.06	
i-C18 (Norpristane)	.65	.45	.83	.10	.86	1.32
i-C19 (Pristane)	3.26	1.11	4.40	.61	3.34	4.62
i-C20 (Phytane)	4.54	.42	1.87	.65	2.07	2.88

GENERAL DATA						
Total Abundance(%)	100	100	100	100	100	100
TOC (% of Rock)	1.35	1.02	1.25	1.03	.77	.86
Extract (ppm)	290	465	465	450	190	190
Hydrocarbons (ppm)	105	230	245	235	125	
Hydrocarbon(mg/gTOC)	8	22	20	23	16	
Alks(% Hydrocarbons)	55	52	49	59	67	
Rock-Eval HI	85	50	64	59		48
Rock-Eval PI	.07	.18	.21	.23		.25

RATIOS						
CPI-1	1.93	.99	1.09	1.17	1.07	1.26
CPI-2	1.94	.99	1.10	1.18	1.07	1.26
CPI-3	1.05	.86	.91	1.11	.97	.89
Bias	.51	.36	.63	.46	.69	1.05
i-C19 / n-C17	1.31	.86	1.08	.95	.88	.85
i-C20 / n-C18	1.36	.23	.32	.29	.33	.36
i-C19 / i-C20	.72	2.66	2.35	.94	1.62	1.60

LEGEND	
i - isoprenoid	n - normal

For definition of Ratios CPI-1,-2,-3 and Bias - see Appendix 2

ALKANE GAS CHROMATOGRAPHY DATA

TABLE : 11