

FMT PRESSURE MEASUREMENTS 6608/10-4

RUN no.	Depth m MD RKB	Hyd. pres. kPa	Form. pres. kPa	Form. pres. g/cc	Comments
1A	2485.5	39220	26308	1.079	Fair/ poor perm.
1A	2487	39240	26270	1.077	Poor perm.
1A	2491.5	39315	26341	1.078	Poor perm.
1A	2497.5	39410	26341	1.075	Poor perm.
1A	2505.2	39530	26413	1.075	Poor perm.
1A	2506.5	39545	26579	1.081	Tight, Supercharged
1A	2512.5	39640	-	-	Tight, Supercharged
1A	2514	39665	26618	1.079	Tight, Supercharged
1A	2525.5	39845	26453	1.068	Poor perm.
1A	2527	39870	26460	1.067	Poor perm.
1A	2531	39935	26543	1.069	Poor perm.
1A	2485.6	39220	26272	1.077	Poor perm.
1A	2485.5	39215	26265	1.077	Poor perm.
1A	2485.4	39220	-	-	Tight
1A	2485.7	39220	26287	1.078	Poor perm.
1A	2485.5	39220	26260	1.077	Sample 10 l tank
1B	2496.5	39405	26574	1.085	Poor perm.
1B	2496	39395	26585	1.086	Supercharged
1B	2507.6	39577	-	-	Supercharged
1B	2497.4	39415	26361	1.076	Supercharged
1B	2505.3	39540	26402	1.074	Fair perm. Sample 10 l + 4 l tank
3B	2569.8	32400	26386	1.047	Fair perm.
3B	2571.8	32426	26392	1.046	V. Good perm.
3B	2573.6	32443	26402	1.046	Good perm.
3B	2575.5	32461	26421	1.046	V. Good perm.
3B	2578.6	32500	26433	1.045	V. Good perm.
3B	2579.5	32505	26449	1.045	V. Good perm.
3B	2580.5	32516	26456	1.045	Good Perm.
3B	2581.5	32527	26484	1.046	Fair perm.
3B	2582.5	32540	-	-	Supercharged
3B	2584.5	32564	-	-	Tight
3B	2587.6	32598	-	-	Supercharged
3B	2590.3	32625	26539	1.044	Fair perm.
3B	2590.3	32620	-	-	Tight
3B	2592.5	32628	26771	1.053	Fair perm.
3B	2593.5	32640	26816	1.054	Fair perm.
3B	2594.3	32641	26762	1.052	Good perm.
3B	2607	32790	26643	1.042	Fair perm.
3B	2612	32852	26682	1.041	Good perm.
3B	2620	32955	26840	1.044	Good perm., unstable
3B	2630	33079	26897	1.043	Good perm., unstable
3B	2640	33202	26978	1.042	Fair perm.

RUN no.	Depth m MD RKB	Hyd. pres. kPa	Form. pres. kPa	Form. pres. g/cc	Comments
3C	2594.3	32641	26765	1.052	Fair perm.
3C	2592.5	32615	26726	1.051	Fair perm.
3C	2592.7	32613	26710	1.05	Fair perm.
3C	2593.5	32619	26770	1.052	Low perm. Unstable
3C	2594	32622	26814	1.054	Fair perm.
3C	2593.7	32617	-	-	Tight
3C	2593.9	32613	-	-	Tight
3C	2590.3	32571	26624	1.048	Sample 10 l lost seal. Good perm.
3C	2581	32453	26479	1.046	Sample 4l. Good perm.
3D	2581.5	32500	-	-	Tight
3D	2581	32501	26475	1.046	Good perm.
3D	2580.8	32494	26470	1.046	Good perm.
3D	2578.5	32465	26445	1.045	V. Good perm.
3D	2578.6	32456	26450	1.046	V. Good perm.
3E	2594.3	32316	26710	1.05	Fair perm.
3E	2594.2	32310	26723	1.05	Fair perm.
3E	2594.1	32310	26720	1.05	Low perm.
3E	2592.7	32295	26691	1.049	Low perm.
3E	2592.6	32290	26703	1.05	Low perm.
3E	2592.5	32292	-	-	Tight
3E	2592.5	32290	-	-	Tight
3E	2592.3	32285	-	-	Tight
3E	2594.2	32309	26729	1.05	Fair perm.
3E	2594.3	32310	26717	1.05	Sample 10 l, Lost seal. Fair perm.
3E	2594.2	32311	26622	1.046	Fair perm.
3E	2590.3	32260	26585	1.046	Sample 10 l, Lost seal. Fair perm.
3F	2605	32422	26921	1.053	Fair perm., Supercharged
3F	2609.5	32495	26660	1.041	Good perm.
3F	2613	32530	26690	1.041	Good perm.
3F	2617.2	32585	26732	1.041	V. Good perm.
3F	2621	32640	26772	1.041	V. Good perm.
3F	2625	32691	26812	1.041	V. Good perm.
3F	2630	32760	26864	1.041	V. Good perm.
3F	2635	32820	26913	1.041	V. Good perm.
3F	2640	32880	26974	1.042	Good perm.
3F	2644	32935	27064	1.043	Fair perm., Unstable
3F	2659	33120	27150	1.041	V. Good perm.
3F	2661	33143	27170	1.041	V. Good perm.
3F	2605.2	32470	26636	1.042	Good perm.
3F	2568	31995	0	0	Tight
3F	2570	32005	26454	1.049	Good perm., pressure still decr...
3F	2572	32025	26412	1.047	Good perm.
3F	2574	32050	26432	1.047	Fair perm.
3F	2575.5	32070	26455	1.047	Good perm.
3F	2578.5	32116	26455	1.046	V. Good perm.
3F	2580	32130	26471	1.046	V. Good perm.
3F	2581.7	32160	26534	1.048	Fair perm.

Table 3.2.2

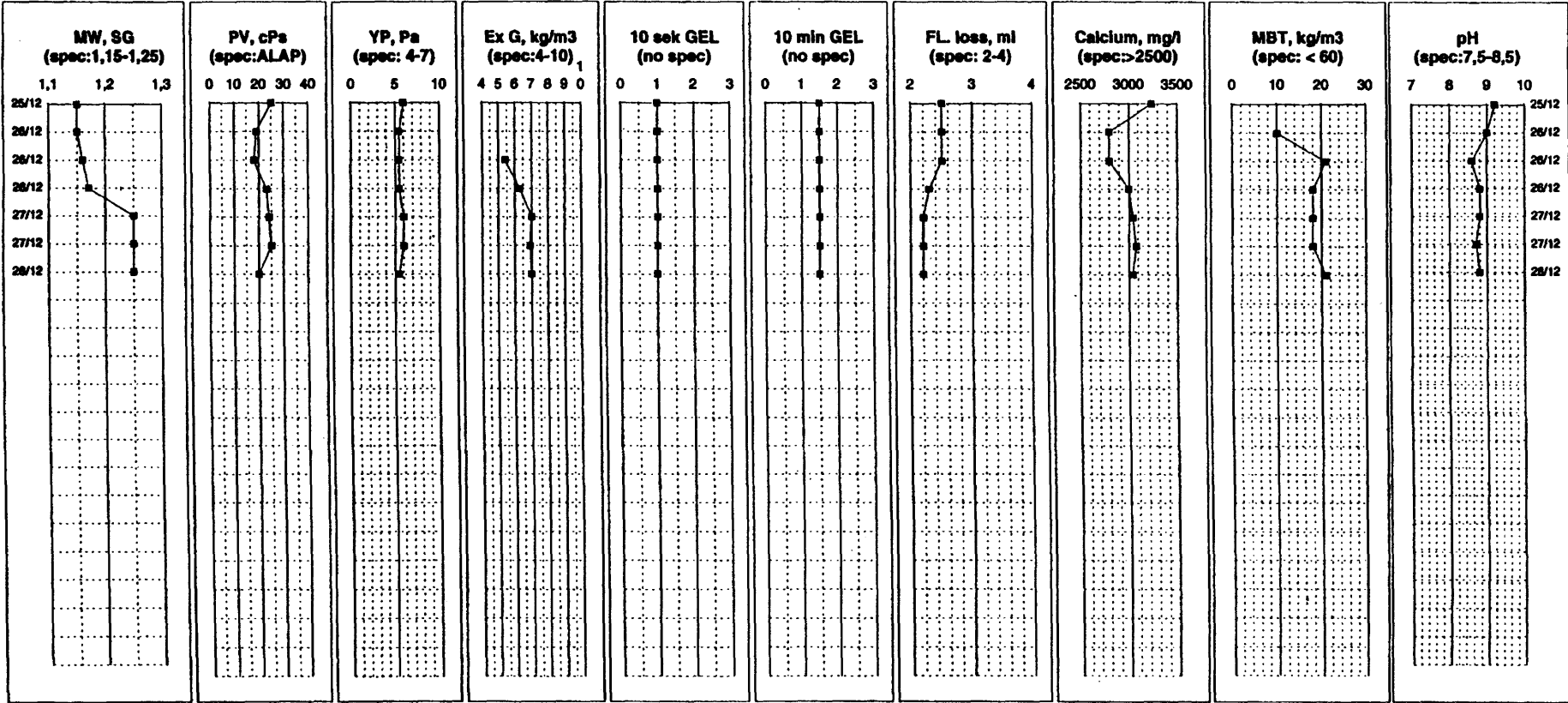
Run no.	Depth mRKB MD	Chamber size	
		10 litres	4 litres
1A	2485.5	<p>Sampling time approx. 3.5 hrs.</p> <p>Opening pressure 4826 kPa.</p> <p>Contained 8 l mudfiltrate, 0.5 l oil and 0.033 m³ gas.</p> <p>Gas breakdown (ppm): C1=188010, C2=17785, C3=10195, iC4=1855, nC4=2600, C5=185</p>	<p>Due to low permeability and long samplingtime the 4 l chamber was not opened.</p>
1B	2505.3	<p>Sampling time approx. 1.17 hrs.</p> <p>Opening pressure 4137 kPa.</p> <p>Contained 10 l mudfiltrate, 1-2 mm oil-layer and 0.014 m³ gas.</p> <p>Gas breakdown (ppm): C1=257510, C2=22005, C3=12570, iC4=2230, nC4=3210, C5=585</p>	<p>Sampling time approx. 1.35 hrs.</p> <p>Opening pressure 6895 kPa.</p>
3B	2590.3	<p>Lost seal after 15 minutes sampling.</p> <p>Traces of oil.</p>	<p>Contained 4 l of mud/ filtrate</p>
3C	2590.3 2581.0 (4 l chamber)	<p>Lost seal after 7 minutes.</p> <p>Contained 9.6 l of mud/ filtrate</p>	<p>Contained 3.9 l of mud/ filtrate</p>
3D	2594.3	<p>Lost seal after 6 minutes.</p> <p>Contained 9.4 l mud/ filtrate</p>	<p>Not filled</p>
3E	2594.3 2590.3	<p>Lost seal after 25 minutes</p> <p>Contained 10.1 l mud/ filtrate and traces of oil.</p> <p>Lost seal after 10.5 minutes.</p> <p>Contained 10 l mud/ filtrate</p>	<p>Run 2 x 10 litres chambers</p>
3F	2605.2 2605.2	<p>Contained 10 l mud/ filtrate</p> <p>Contained 9.2 l mud/ filtrate</p>	<p>Run 2 x 10 litres chambers</p>

Table 3.2.1

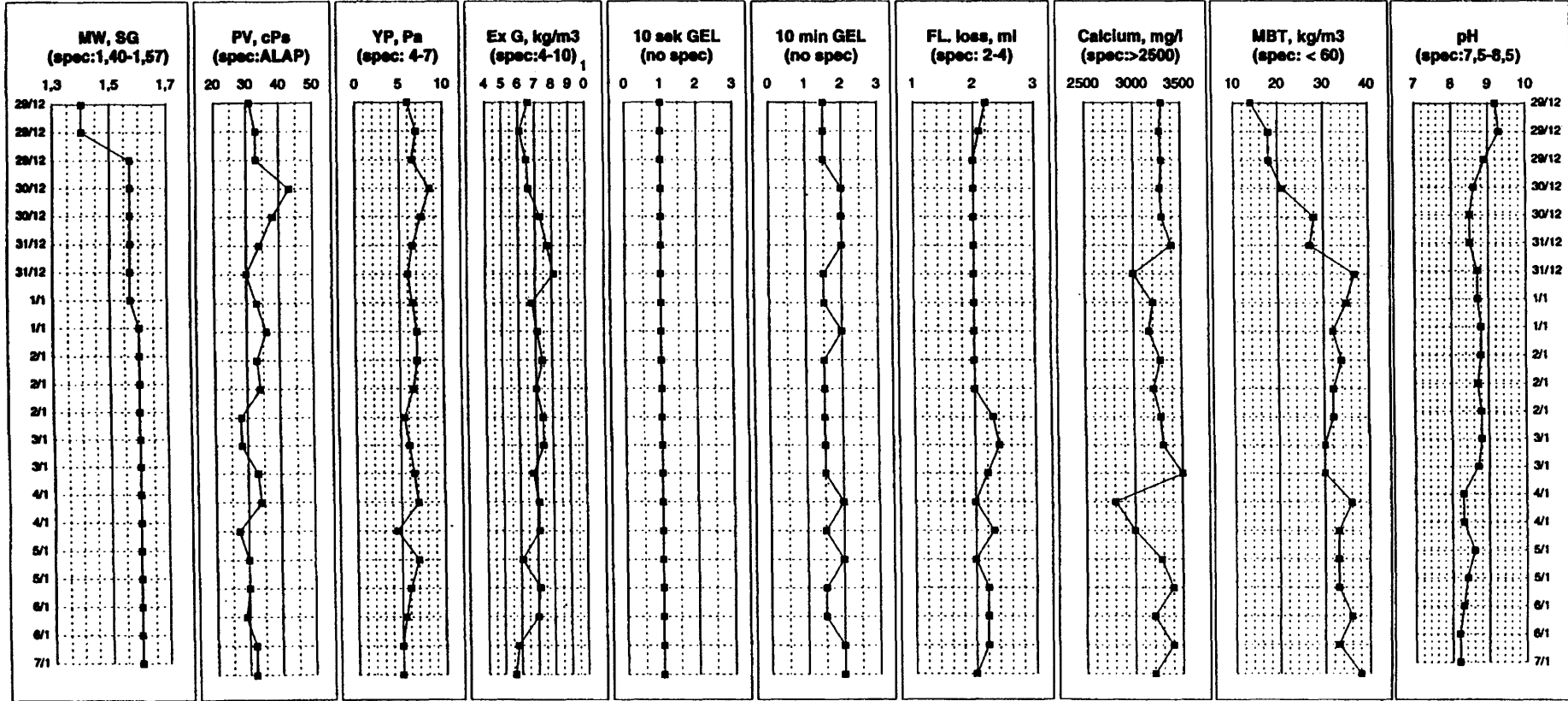
3.4 Well Testing

Three drillstem tests were performed in the well. DST 1, perforated interval 2635-2640 m MD RKB), DST 2, perforated interval 2566.2-2582.2 m MD RKB and DST 3A and 3B, perforated interval 3A: 2484.5-2499 and 2504-2514 m MD RKB and 3B: 2524-2531 + Zone 3A. During DST 1 and DST 3A and 3B no formation fluid were produced to the surface. DST 3 proved that the Formation was tight with oil in place. DST 2 produced a maximum of 900 Sm³/D of oil with a density of 858 kg/m³ at standard conditions and 75000 Sm³/D of gas with a relative density of 0.648 (air = 1.0) through a 80/64" (31.75 mm) choke.

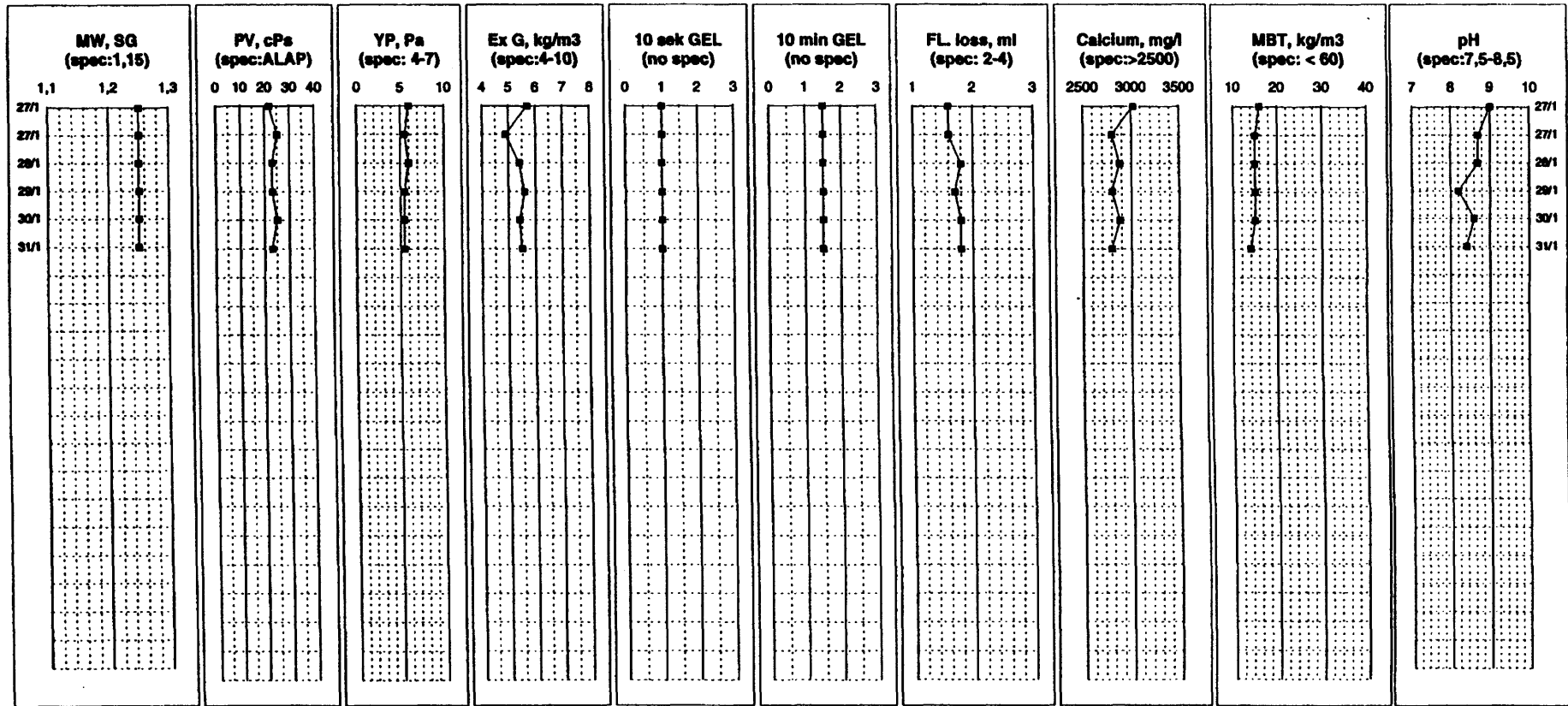
6608/10-4, 17 1/2" SECT. MUD PROPERTIES



6608/10-4, 12 1/4" SECT. MUD PROPERTIES



6608/10-4, 8 1/2" SECT. MUD PROPERTIES, Page 2





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ADDRESS KJELLER HALDEN Box 40, N-2007 Kjeller, Norway N-1751 Halden, Norway TELEPHONE +47 63 806000 +47 69 183100 TELEX 76 361 isotp n 76 335 energ n TELEFAX +47 63 815553		AVAILABILITY Private Confidential
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	CLIENT REF. Richard Patience	NUMBER OF ISSUES 7
SUMMARY This report gives the results of routine vitrinite reflectance analyses of well 6608/10-4. The work is performed in accordance with "The Norwegian Industry Guide to Organic Geochemical Analyses " (3rd edition). <div style="text-align: center;"> <p><i>BA-94-1786-1</i></p> </div>		DISTRIBUTION Statoil (3) Throndsen, T. Aasgaard, K. File (2)
KEYWORDS		
NAME		DATE
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REVIEWED BY Torbjørn Throndsen		1994-07-06
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1 Introduction

This report gives the result of routine vitrinite reflectance analyses on 20 samples covering the interval from 940 to 2774 mRKB in well 6608/10-4 offshore Norway.

2 Material

2.1 Samples

The material was provided from the client as 7 unwashed cuttings, 10 sidewall core chips and 3 core chips. The sample positions are indicated in figure 1.

2.2 Geological information and casing points

Information on the formation tops and casing points was not made available from the client.

3 Analytical techniques

3.1 Preparation

The cuttings samples were washed and then treated with hydrochloric and hydrofluoric acid prior to further preparation. The aim was to avoid soft and expanding mineral phases in order to ensure good polishing quality. The core and sidewall core chips were treated as bulk material.

The sample material resulting from the acid treatment and the bulk material was embedded in an epoxy resin to make briquettes, ground flat and polished using 0.25 micron diamond paste and magnesium oxide as the two final steps.

3.2 Analysis

The analytical equipment being used was a Zeiss MPM 03 photometer microscope equipped with an Epiplan-Neofluar 40/0.90 oil objective. The sensitive measuring spot was kept constant for all measurements at about 2.5 micron in diameter. The measurements were made through a green band pass filter (546 nm) and in oil immersion (refractive index 1.515 at 18°C). The readings were made without a polarizer and using a stationary stage. This procedure is called measurement of random reflectance (%R_m). The photometer is calibrated daily against a standard of known reflectance (%R_m=0.588) and routinely (daily) checked against two other standards of significant different reflectances (%R_m=0.879 and 1.696). A deviation from these values of less than ±0.01 and ±0.02 respectively is considered as acceptable. The calibration is routinely checked during the course of measurements at least every hour, and a deviation of less than ±0.005 is considered as acceptable.

For each sample at least 20 points were measured if possible, and quality ratings are given to various important aspects which may affect the measurements. The aspects are

Table 1 Vitrinite reflectance data

Well
6608/10-4

IFE no.	Depth, mRKB	Sample type	Lithology	%Rm	Std. dev.	N	Quality	Preparation
ST 1628	940	cut	clst	0.28	0.03	10	M	HF
ST 1629	1100	cut	clst	0.26	0.03	18	M	HF
ST 1630	1290	cut	clst	0.27	0.01	3	M	HF
ST 1631	1440	cut	clst	0.27	0.03	22	M	HF
ST 1632	1556	swc	clst	0.26	0.03	2	M	bulk
ST 1633	1650	swc	clst	0.32	0.04	21	M	bulk
ST 1634	1787	swc	clst	0.33	0.07	24	M	bulk
ST 1635	1870	cut	clst	0.34	0.05	19	M	HF
ST 1636	1980	swc	sst	-	-	-	barren	bulk
ST 1637	2098	cut	clst	0.34	0.03	23	M	HF
ST 1638	2190	swc	clst	0.37	0.06	23	M	bulk
ST 1639	2267	swc	clst	0.42	0.05	23	M	bulk
ST 1640	2335	swc	clst	0.38	0.05	23	M	bulk
ST 1641	2360	swc	clst	0.38	0.05	13	P	bulk
ST 1642	2507	swc	clst	0.36	0.07	19	P	bulk
ST 1643	2564.95	core	clst	0.49	0.07	17	M	bulk
ST 1644	2673.9	core	clst	0.46	0.09	24	M	bulk
ST 1645	2687	core	clst	0.49	0.12	23	M	bulk
ST 1646	2728	cut	clst	0.49	0.08	30	M	HF
ST 1647	2774	swc	clst	0.42	0.06	27	M	bulk

G	Good quality	P	Poor quality	A	Mud additive	HF	HF-treated
M	Moderate quality	X	Not vitrinite	Barren	Barren of vitrinite	Bulk	Bulk rock

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Abstract
See Summary, p.1 and Conclusions, p.21.

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REGISTRERT
OLJEDIREKTORATET

Table 1 : Lithology description for well NOCS 6608/10-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1440.00	swc					0001
	0.84	100		Sh/Clst: m bl gy		0001-1L
1650.00	swc					0002
	1.00	100		Sh/Clst: m ol gy		0002-1L
1860.00						0003
	0.26	60		Sh/Clst: m gy		0003-1L
		30		Sh/Clst: lt gn gy		0003-2L
		5		S/Sst : w, l		0003-3L
		5		Other : v col		0003-4L
1922.00	swc					0004
	0.30	100		Sh/Clst: lt gn gy, slt		0004-1L
1980.00	swc					0005
	0.49	100		Sh/Clst: m ol gy to m gn gy		0005-1L
2222.00	swc					0006
	1.54	100		Sh/Clst: m gy to m bl gy, mic		0006-1L
2267.00	swc					0007
	1.82	100		Sh/Clst: m drk gy		0007-1L

Table 1 : Lithology description for well NOCS 6608/10-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
2315.00	swc					0008
	0.83	100	Sh/Clst: m gy			0008-1L
2325.00	swc					0009
	0.81	100	Sh/Clst: m lt gy			0009-1L
2335.00	swc					0010
	5.00	100	Sh/Clst: drk gy to blk			0010-1L
2345.00	swc					0011
	5.80	100	Sh/Clst: drk gy to blk			0011-1L
2355.00	swc					0012
	5.56	100	Sh/Clst: drk gy to blk			0012-1L
2360.00	swc					0013
	6.19	100	Sh/Clst: drk gy			0013-1L
2374.00						0014
		60	Sh/Clst: drk gy, l, f			0014-1L
		30	Sh/Clst: lt gn gy, l, f			0014-2L
		5	Ca : w, l, f			0014-3L
		5	S/Sst : w, l, f			0014-4L
	3.52		bulk			0014-0B

Table 1 : Lithology description for well NOCS 6608/10-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2416.00						0015
				30 Sh/Clst: drk gy, l, f		0015-1L
				30 S/Sst : w, l, f		0015-4L
				20 Sh/Clst: lt gn gy, l, f		0015-2L
				10 Ca : w, l, f		0015-3L
				10 Cont : v col, prp		0015-5L
		2.14		bulk		0015-0B
2480.00	swc					0016
		5.17	100	Sh/Clst: drk gy		0016-1L
2500.00	swc					0017
		1.70	100	Sh/Clst: m lt ol gy, slt		0017-1L
2521.00						0018
		0.82		60 Sh/Clst: lt bl gy to lt gn gy		0018-1L
				30 Sh/Clst: drk gy		0018-2L
				10 S/Sst : w		0018-3L
				tr Sh/Clst: brn		0018-4L
2535.00	swc					0019
		1.07	100	Sh/Clst: m lt ol gy, slt		0019-1L
2564.95	ccp					0020
		1.68	100	Sh/Clst: drk gy, slt		0020-1L

Table 1 : Lithology description for well NOCS 6608/10-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2573.70	ccp					0021
			100	S/Sst : lt brn to w, l, f		0021-1L
2584.00	ccp					0023
			100	S/Sst : lt y brn to w, f		0023-1L
2596.30	ccp					0024
			100	Sltst : lt gy		0024-1L
2602.50	ccp					0025
	0.81		100	Sltst : m lt gy		0025-1L
2610.50	ccp					0026
			100	S/Sst : lt ol gy		0026-1L
2673.90	ccp					0027
	3.22		100	Sh/Clst: m drk gy, slt		0027-1L
2687.00	ccp					0028
	1.58		100	Sh/Clst: m gy, slt		0028-1L
2731.00						0029
			55	S/Sst : w, f, calc		0029-2L
	1.35		45	Sh/Clst: drk gy		0029-1L

Table 1 : Lithology description for well NOCS 6608/10-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
2774.00	swc					0030
		70	S/Sst	: w, f		0030-1L
		30	Sh/Clst:	m gy		0030-2L
	1.32		bulk			0030-0B

Table 2 : Rock-Eval table for well NOCS 6608/10-4

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
1440.00	swc	Sh/Clst: m bl gy	0.07	0.48	0.82	0.59	0.84	57	98	0.6	0.13	417	0001-1L
1650.00	swc	Sh/Clst: m ol gy	0.12	0.88	0.93	0.95	1.00	88	93	1.0	0.12	424	0002-1L
1860.00	cut	Sh/Clst: m gy	-	0.06	1.13	0.05	0.26	23	435	0.1	-	419	0003-1L
1922.00	swc	Sh/Clst: lt gn gy	0.03	0.19	0.69	0.28	0.30	63	230	0.2	0.14	470	0004-1L
1980.00	swc	Sh/Clst: m ol gy to m gn gy	0.04	0.31	0.65	0.48	0.49	63	133	0.3	0.11	499	0005-1L
2222.00	swc	Sh/Clst: m gy to m bl gy	0.04	0.72	0.73	0.99	1.54	47	47	0.8	0.05	423	0006-1L
2267.00	swc	Sh/Clst: m drk gy	0.08	1.50	0.73	2.05	1.82	82	40	1.6	0.05	426	0007-1L
2315.00	swc	Sh/Clst: m gy	0.04	0.42	0.82	0.51	0.83	51	99	0.5	0.09	417	0008-1L
2325.00	swc	Sh/Clst: m lt gy	0.08	0.52	0.84	0.62	0.81	64	104	0.6	0.13	423	0009-1L
2335.00	swc	Sh/Clst: drk gy to blk	1.48	15.11	1.35	11.19	5.00	302	27	16.6	0.09	413	0010-1L
2345.00	swc	Sh/Clst: drk gy to blk	0.70	15.92	1.46	10.90	5.80	274	25	16.6	0.04	415	0011-1L
2355.00	swc	Sh/Clst: drk gy to blk	0.63	14.93	1.65	9.05	5.56	269	30	15.6	0.04	415	0012-1L
2360.00	swc	Sh/Clst: drk gy	0.50	19.49	1.29	15.11	6.19	315	21	20.0	0.03	415	0013-1L
2374.00	cut	bulk	0.21	7.33	1.06	6.92	3.52	208	30	7.5	0.03	414	0014-0B
2416.00	cut	bulk	0.11	3.03	1.53	1.98	2.14	142	71	3.1	0.04	417	0015-0B

Table 2 : Rock-Eval table for well NOCS 6608/10-4

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
2480.00	swc	Sh/Clst: drk gy	0.48	13.39	1.37	9.77	5.17	259	26	13.9	0.03	415	0016-1L
2500.00	swc	Sh/Clst: m lt ol gy	0.32	1.41	1.77	0.80	1.70	83	104	1.7	0.18	429	0017-1L
2521.00	cut	Sh/Clst: lt bl gy to lt gn gy	0.03	0.41	0.78	0.53	0.82	50	95	0.4	0.07	421	0018-1L
2535.00	swc	Sh/Clst: m lt ol gy	0.40	1.14	1.43	0.80	1.07	107	134	1.5	0.26	429	0019-1L
2564.95	ccp	Sh/Clst: drk gy	0.36	0.90	0.28	3.21	1.68	54	17	1.3	0.29	429	0020-1L
2573.70	ccp	S/Sst : lt brn to w	20.03	2.32	0.23	10.09	-	-	-	22.4	0.90	357	0021-1L
2584.00	ccp	S/Sst : lt y brn to w	16.83	2.46	0.24	10.25	-	-	-	19.3	0.87	379	0023-1L
2596.30	ccp	Sltst : lt gy	6.29	2.28	0.23	9.91	-	-	-	8.6	0.73	420	0024-1L
2602.50	ccp	Sltst : m lt gy	0.23	1.06	0.14	7.57	0.81	131	17	1.3	0.18	439	0025-1L
2610.50	ccp	S/Sst : lt ol gy	0.07	0.34	0.10	3.40	-	-	-	0.4	0.17	541	0026-1L
2673.90	ccp	Sh/Clst: m drk gy	0.72	7.19	0.19	37.84	3.22	223	6	7.9	0.09	424	0027-1L
2687.00	ccp	Sh/Clst: m gy	0.24	3.15	1.22	2.58	1.58	199	77	3.4	0.07	427	0028-1L
2731.00	cut	Sh/Clst: drk gy	0.16	0.99	0.36	2.75	1.35	73	27	1.1	0.14	433	0029-1L
2774.00	swc	bulk	0.45	1.75	1.27	1.38	1.32	133	96	2.2	0.20	427	0030-0B

Table 2b: Values for Rock-Eval standard BLACK VEN MARL
Well NOCS 6608/10-4

TMax	S1	S2	S3
422	0.45	18.78	2.07
420	0.49	18.67	1.94

Table 3: Visual Kerogen Data, Statoil Well 6608/10-4

Depth Units: m

Depth	Spl	Lith	Amorphous			Algal/Phytoplankton						Herbaceous				Woody				Coaly			SCI Maturity
			AM%	FA	HA	AP%	Cy	Ta	Bo	Di	De	HE%	SP	Cu	De	WO%	FL	NF	De	CO%	FS	De	
2335.0	swc	Sh/Clst	60	**	*	5	**		*	*	10	**	*	tr		*	**	25	**	*	4.5-5.0		
2345.0	swc	Sh/Clst	60	**	*	tr	**		*	*	15	**	*	5		*	**	25	**	*	5.0(?)		
2355.0	swc	Sh/Clst	70	**	*	tr	**		*	*	15	**	*	tr		*		15		*	5.0-5.5		
2360.0	swc	Sh/Clst	55	**	*	5	**		*	*	15	**	*	5		*		20	*	**	4.5-5.5		
2480.0	swc	Sh/Clst	55	**	*	5	**		*	*	15	**	*	5		*		20	**	*	5.5-6.0		
2500.0	swc	Sh/Clst	tr	**	*	tr	*		*		20	**	*	25	*	*	*	50	*	*	5.5-6.0		
2673.9	swc	Sh/Clst	5	**	*	tr	*			*	45	**	*	15		*	**	35	*	**	6.0(?)		
2687.0	swc	Sh/Clst	5	*	*	tr	*		*	*	40	**	*	25		*	**	30	*	**	5.5-6.0		

Table 4 : Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 6608/10-4

Depth unit of measure: m

Depth	Typ	Lithology	C1	C2-C5	C6-C14	C15+	S2 from Rock-Eval	Sample
2335.00	swc	Sh/Clst: drk gy to blk	7.25	7.67	32.79	52.29	15.11	0010-1L
2345.00	swc	Sh/Clst: drk gy to blk	9.76	7.30	32.03	50.91	15.92	0011-1L
2355.00	swc	Sh/Clst: drk gy to blk	9.53	8.04	32.35	50.08	14.93	0012-1L
2360.00	swc	Sh/Clst: drk gy	9.37	8.18	30.36	52.09	19.49	0013-1L
2374.00	cut	bulk	7.87	8.62	38.15	45.35	7.33	0014-0B
2416.00	cut	bulk	8.34	19.06	43.30	29.30	3.03	0015-0B
2480.00	swc	Sh/Clst: drk gy	10.62	7.05	31.67	50.67	13.39	0016-1L
2500.00	swc	Sh/Clst: m lt ol gy	17.05	21.49	49.49	11.97	1.41	0017-1L
2673.90	ccp	Sh/Clst: m drk gy	11.05	10.64	29.31	49.00	7.19	0027-1L
2687.00	ccp	Sh/Clst: m gy	16.37	19.16	48.41	16.06	3.15	0028-1L

Table 5 a: Weight of EOM and Chromatographic Fraction for well NOCS 6608/10-4

Depth unit of measure: m

Depth	Typ	Lithology	Rock Extracted (g)	EOM (mg)	Sat (mg)	Aro (mg)	Asph (mg)	NSO (mg)	HC (mg)	Non-HC (mg)	TOC (e) (%)	Sample
2335.00	swc	Sh/Clst: drk gy to blk	3.1	20.8	1.1	1.0	15.4	3.3	2.1	18.7	6.46	0010-1L
2345.00	swc	Sh/Clst: drk gy to blk	5.8	26.0	1.4	2.0	16.1	6.5	3.5	22.5	7.37	0011-1L
2355.00	swc	Sh/Clst: drk gy to blk	3.1	14.5	1.0	0.9	9.8	2.9	1.9	12.6	6.47	0012-1L
2360.00	swc	Sh/Clst: drk gy	7.6	16.0	0.6	1.1	11.1	3.2	1.8	14.3	3.51	0013-1L
2374.00	cut	bulk	11.9	23.0	1.0	1.9	13.4	6.7	2.9	20.1	3.69	0014-0B
2416.00	cut	bulk	12.4	12.1	0.7	1.0	7.0	3.4	1.6	10.4	1.92	0015-0B
2480.00	swc	Sh/Clst: drk gy	3.7	10.8	-	-	6.5	-	-	-	3.93	0016-1L
2485.50	FMT	1A	-	38.9	26.4	7.8	1.4	3.3	34.2	4.7	-	0033-0B
2500.00	swc	Sh/Clst: m lt ol gy	3.4	4.8	-	-	2.1	-	-	-	1.67	0017-1L
2505.30	FMT	1B	-	30.6	20.3	5.8	1.7	2.9	26.1	4.6	-	0034-0B
2531.00	DST	3A+B	-	48.8	32.4	10.1	2.7	3.6	42.5	6.3	-	0031-0B
2573.70	ccp	S/Sst : lt brn to w	10.9	279.3	208.2	41.0	10.4	19.7	249.2	30.2	1.39	0021-1L
2582.20	DST	2	-	49.7	33.5	11.1	2.0	3.2	44.6	5.2	-	0032-0B

Depth unit of measure: m

Depth	Typ	Lithology	Rock Extracted (g)	EOM (mg)	Sat (mg)	Aro (mg)	Asph (mg)	NSO (mg)	HC (mg)	Non-HC (mg)	TOC (e) (%)	Sample
2584.00	ccp	S/Sst : lt y brn to w	11.5	221.8	171.8	25.8	7.5	16.7	197.6	24.2	1.40	0023-1L
2596.30	ccp	Sltst : lt gy	10.5	35.5	25.3	4.8	2.0	3.3	30.2	5.3	0.94	0024-1L
2602.50	ccp	Sltst : m lt gy	11.0	6.8	-	-	2.4	-	-	-	1.26	0025-1L
2610.50	ccp	S/Sst : lt ol gy	9.8	1.5	-	-	0.9	-	-	-	0.25	0026-1L
2673.90	ccp	Sh/Clst: m drk gy	9.6	11.8	0.3	1.5	8.0	2.0	1.9	10.0	4.19	0027-1L
2687.00	ccp	Sh/Clst: m gy	10.4	5.3	-	-	2.5	-	-	-	1.48	0028-1L

Table 5 b: Concentration of EOM and Chromatographic Fraction (wt ppm rock) for well NOCS 6608/10-4

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
2335.00	swc	Sh/Clst: drk gy to blk	6756	370	318	5009	1058	688	6068	0010-1L
2345.00	swc	Sh/Clst: drk gy to blk	4523	246	356	2796	1123	603	3920	0011-1L
2355.00	swc	Sh/Clst: drk gy to blk	4650	326	272	3125	926	599	4051	0012-1L
2360.00	swc	Sh/Clst: drk gy	2107	84	145	1459	417	229	1877	0013-1L
2374.00	cut	bulk	1934	86	158	1125	563	245	1689	0014-0B
2416.00	cut	bulk	972	53	78	563	277	132	840	0015-0B
2480.00	swc	Sh/Clst: drk gy	2919	-	-	1775	-	-	-	0016-1L
2485.50	FMT	1A	-	-	-	-	-	-	-	0033-0B
2500.00	swc	Sh/Clst: m lt ol gy	1412	-	-	625	-	-	-	0017-1L
2505.30	FMT	1B	-	-	-	-	-	-	-	0034-0B
2531.00	DST	3A+B	-	-	-	-	-	-	-	0031-0B
2573.70	ccp	S/Sst : lt brn to w	25604	19083	3755	956	1809	22838	2765	0021-1L
2582.20	DST	2	-	-	-	-	-	-	-	0032-0B

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
2584.00	ccp	S/Sst : lt y brn to w	19290	14936	2246	652	1454	17183	2106	0023-1L
2596.30	ccp	Sltst : lt gy	3376	2410	459	190	316	2869	507	0024-1L
2602.50	ccp	Sltst : m lt gy	618	-	-	218	-	-	-	0025-1L
2610.50	ccp	S/Sst : lt ol gy	153	-	-	91	-	-	-	0026-1L
2673.90	ccp	Sh/Clst: m drk gy	1229	35	156	827	209	192	1037	0027-1L
2687.00	ccp	Sh/Clst: m gy	510	-	-	240	-	-	-	0028-1L

Table 5 c: Concentration of EOM and Chromatographic Fraction (mg/g TOC(e)) for well NOCS 6608/10-4

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
2335.00	swc	Sh/Clst: drk gy to blk	104.59	5.73	4.93	77.55	16.38	10.65	93.93	0010-1L
2345.00	swc	Sh/Clst: drk gy to blk	61.38	3.35	4.84	37.94	15.24	8.19	53.19	0011-1L
2355.00	swc	Sh/Clst: drk gy to blk	71.88	5.05	4.21	48.30	14.32	9.26	62.62	0012-1L
2360.00	swc	Sh/Clst: drk gy	60.05	2.40	4.16	41.59	11.91	6.55	53.50	0013-1L
2374.00	cut	bulk	52.43	2.34	4.30	30.51	15.27	6.64	45.78	0014-0B
2416.00	cut	bulk	50.66	2.77	4.11	29.34	14.44	6.88	43.77	0015-0B
2480.00	swc	Sh/Clst: drk gy	74.27	-	-	45.19	-	-	-	0016-1L
2485.50	FMT	1A	-	-	-	-	-	-	-	0033-0B
2500.00	swc	Sh/Clst: m lt ol gy	84.54	-	-	37.43	-	-	-	0017-1L
2505.30	FMT	1B	-	-	-	-	-	-	-	0034-0B
2531.00	DST	3A+B	-	-	-	-	-	-	-	0031-0B
2573.70	ccp	S/Sst : lt brn to w	1842.02	1372.91	270.16	68.78	130.17	1643.07	198.95	0021-1L
2582.20	DST	2	-	-	-	-	-	-	-	0032-0B

Table 5 c: Concentration of EOM and Chromatographic Fraction (mg/g TOC(e)) for well NOCS 6608/10-4

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
2584.00	ccp	S/Sst : lt y brn to w	1377.89	1066.89	160.50	46.58	103.91	1227.39	150.50	0023-1L
2596.30	ccp	Sltst : lt gy	359.23	256.39	48.89	20.24	33.71	305.28	53.95	0024-1L
2602.50	ccp	Sltst : m lt gy	49.06	-	-	17.38	-	-	-	0025-1L
2610.50	ccp	S/Sst : lt ol gy	61.22	-	-	36.70	-	-	-	0026-1L
2673.90	ccp	Sh/Clst: m drk gy	29.34	0.84	3.74	19.75	5.01	4.58	24.76	0027-1L
2687.00	ccp	Sh/Clst: m gy	34.43	-	-	16.26	-	-	-	0028-1L

Table 5 d: Composition of material extracted from the rock (%) for well NOCS 6608/10-4

Depth unit of measure: m

Depth	Typ	Lithology	Sat	Aro	Asph	NSO	HC	Non-HC	Sat	HC	Sample
			EOM	EOM	EOM	EOM	EOM	EOM	Aro	Non-HC	
2335.00	swc	Sh/Clst: drk gy to blk	5.48	4.71	74.15	15.67	10.19	89.81	116.33	11.34	0010-1L
2345.00	swc	Sh/Clst: drk gy to blk	5.46	7.88	61.82	24.84	13.34	86.66	69.27	15.39	0011-1L
2355.00	swc	Sh/Clst: drk gy to blk	7.03	5.86	67.20	19.92	12.89	87.11	120.00	14.79	0012-1L
2360.00	swc	Sh/Clst: drk gy	3.99	6.92	69.26	19.83	10.91	89.09	57.66	12.25	0013-1L
2374.00	cut	bulk	4.47	8.20	58.20	29.12	12.67	87.33	54.50	14.51	0014-0B
2416.00	cut	bulk	5.47	8.12	57.91	28.50	13.59	86.41	67.35	15.72	0015-0B
2480.00	swc	Sh/Clst: drk gy	-	-	-	-	-	-	-	-	0016-1L
2485.50	FMT	1A	67.87	20.05	3.60	8.48	87.92	12.08	338.46	727.66	0033-0B
2500.00	swc	Sh/Clst: m lt ol gy	-	-	-	-	-	-	-	-	0017-1L
2505.30	FMT	1B	66.07	19.09	5.55	9.30	85.15	14.85	346.15	573.63	0034-0B
2531.00	DST	3A+B	66.46	20.62	5.54	7.38	87.08	12.92	322.39	673.81	0031-0B
2573.70	ccp	S/Sst : lt brn to w	74.53	14.67	3.73	7.07	89.20	10.80	508.18	825.89	0021-1L
2582.20	DST	2	67.30	22.33	4.02	6.34	89.64	10.36	301.35	865.05	0032-0B

Table 5 d: Composition of material extracted from the rock (%) for well NOCS 6608/10-4

Depth unit of measure: m

Depth	Typ	Lithology	Sat EOM	Aro EOM	Asph EOM	NSO EOM	HC EOM	Non-HC EOM	Sat Aro	HC Non-HC	Sample
2584.00	ccp	S/Sst : lt y brn to w	77.43	11.65	3.38	7.54	89.08	10.92	664.74	815.56	0023-1L
2596.30	ccp	Sltst : lt gy	71.37	13.61	5.64	9.38	84.98	15.02	524.43	565.85	0024-1L
2602.50	ccp	Sltst : m lt gy	-	-	-	-	-	-	-	-	0025-1L
2610.50	ccp	S/Sst : lt ol gy	-	-	-	-	-	-	-	-	0026-1L
2673.90	ccp	Sh/Clst: m drk gy	2.87	12.75	67.31	17.06	15.63	84.37	22.52	18.52	0027-1L
2687.00	ccp	Sh/Clst: m gy	-	-	-	-	-	-	-	-	0028-1L

Table 6a: Results of TLC-FID analysis: Absolute yields in mg/g rock for well NOCS 6608/10-4

Depth unit of measure: m

<u>Depth</u>	<u>S Tp</u>	<u>F Tp</u>	<u>Lithology</u>	<u>Sat HC</u>	<u>Aro HC</u>	<u>Resins</u>	<u>Asp</u>	<u>Tot HC</u>	<u>Tot Pol</u>	<u>Tot EOM</u>	<u>Sample</u>	
2335.00	swc	L	SHALE/CLAYSTONE	0.203	0.325	0.385	5.009	0.528	5.394	5.922	0010-1	L
2345.00	swc	L	SHALE/CLAYSTONE	0.118	0.266	0.486	2.796	0.384	3.282	3.666	0011-1	L
2355.00	swc	L	SHALE/CLAYSTONE	0.130	0.264	0.456	3.124	0.394	3.580	3.974	0012-1	L
2360.00	swc	L	SHALE/CLAYSTONE	0.034	0.126	0.210	1.460	0.160	1.670	1.830	0013-1	L
2374.00	cut	B	BULK FRACTION	0.040	0.141	0.289	1.126	0.181	1.415	1.596	0014-0	B
2416.00	cut	B	BULK FRACTION	0.028	0.060	0.137	0.563	0.088	0.700	0.789	0015-0	B
2480.00	swc	L	SHALE/CLAYSTONE	0.072	0.123	0.327	1.777	0.195	2.103	2.298	0016-1	L
2485.50	FMT	1A	BULK FRACTION	—	—	—	—	—	—	—	0033-0	B
2500.00	swc	L	SHALE/CLAYSTONE	0.235	0.177	0.269	1.429	0.412	1.697	2.109	0017-1	L
2505.30	FMT	1B	BULK FRACTION	—	—	—	—	—	—	—	0034-0	B
2531.00	DST	3A+B	BULK FRACTION	—	—	—	—	—	—	—	0031-0	B
2573.70	ccp	L	SANDSTONE/SAND	9.067	3.805	0.510	0.956	12.872	1.466	14.338	0021-1	L
2582.20	DST	2	BULK FRACTION	—	—	—	—	—	—	—	0032-0	B
2584.00	ccp	L	SANDSTONE/SAND	7.416	3.017	0.451	0.652	10.434	1.103	11.537	0023-1	L
2596.30	ccp	L	SILTSTONE	1.357	0.473	0.080	0.190	1.831	0.271	2.101	0024-1	L

Table 6a: Results of TLC-FID analysis: Absolute yields in mg/g rock for well NOCS 6608/10-4

Depth unit of measure: m

<u>Depth</u>	<u>S Tp</u>	<u>F Tp</u>	<u>Lithology</u>	<u>Sat HC</u>	<u>Aro HC</u>	<u>Resins</u>	<u>Asp</u>	<u>Tot HC</u>	<u>Tot Pol</u>	<u>Tot EOM</u>	<u>Sample</u>	
2602.50	ccp	L	SILTSTONE	0.029	0.077	0.036	0.219	0.105	0.255	0.360	0025-1	L
2610.50	ccp	L	SANDSTONE/SAND	0.012	0.004	0.013	0.092	0.016	0.104	0.120	0026-1	L
2673.90	ccp	L	SHALE/CLAYSTONE	0.025	0.183	0.090	0.827	0.207	0.917	1.125	0027-1	L
2687.00	ccp	L	SHALE/CLAYSTONE	0.008	0.030	0.047	0.241	0.038	0.287	0.325	0028-1	L

Table 6b: Results of TLC-FID analysis: Rel. percentages of sep. fractions for well NOCS 6608/10-4

Depth unit of measure: m

<u>Depth</u>	<u>S Tp</u>	<u>F Tp</u>	<u>Lithology</u>	<u>Sat HC</u>	<u>Aro HC</u>	<u>Resins</u>	<u>Asp</u>	<u>Tot HC</u>	<u>Tot Pol</u>	<u>Sample</u>	
2335.00	swc	L	SHALE/CLAYSTONE	3.43	5.50	6.49	84.59	8.92	91.08	0010-1	L
2345.00	swc	L	SHALE/CLAYSTONE	3.22	7.25	13.26	76.27	10.47	89.53	0011-1	L
2355.00	swc	L	SHALE/CLAYSTONE	3.27	6.65	11.47	78.61	9.92	90.08	0012-1	L
2360.00	swc	L	SHALE/CLAYSTONE	1.88	6.86	11.46	79.80	8.74	91.26	0013-1	L
2374.00	cut	B	BULK FRACTION	2.50	8.83	18.12	70.55	11.34	88.66	0014-0	B
2416.00	cut	B	BULK FRACTION	3.54	7.62	17.39	71.45	11.16	88.84	0015-0	B
2480.00	swc	L	SHALE/CLAYSTONE	3.14	5.34	14.22	77.30	8.48	91.52	0016-1	L
2485.50	FMT 1A		BULK FRACTION	66.26	20.71	2.93	10.10	86.97	13.03	0033-0	B
2500.00	swc	L	SHALE/CLAYSTONE	11.13	8.39	12.74	67.74	19.52	80.48	0017-1	L
2505.30	FMT 1B		BULK FRACTION	64.76	22.02	3.51	9.71	86.78	13.22	0034-0	B
2531.00	DST 3A+B		BULK FRACTION	65.80	20.88	3.16	10.16	86.68	13.32	0031-0	B
2573.70	ccp	L	SANDSTONE/SAND	63.24	26.54	3.56	6.67	89.78	10.22	0021-1	L
2582.20	DST 2		BULK FRACTION	66.15	25.11	3.10	5.64	91.26	8.74	0032-0	B
2584.00	ccp	L	SANDSTONE/SAND	64.28	26.15	3.91	5.65	90.44	9.56	0023-1	L
2596.30	ccp	L	SILTSTONE	64.59	22.54	3.82	9.05	87.12	12.88	0024-1	L

Table 6b: Results of TLC-FID analysis: Rel. percentages of sep. fractions for well NOCS 6608/10-4

Depth unit of measure: m

<u>Depth</u>	<u>S Tp</u>	<u>F Tp</u>	<u>Lithology</u>	<u>Sat HC</u>	<u>Aro HC</u>	<u>Resins</u>	<u>Asp</u>	<u>Tot HC</u>	<u>Tot Pol</u>	<u>Sample</u>	
2602.50	ccp	L	SILTSTONE	7.98	21.28	9.94	60.80	29.26	70.74	0025-1	L
2610.50	ccp	L	SANDSTONE/SAND	9.75	3.39	10.59	76.27	13.14	86.86	0026-1	L
2673.90	ccp	L	SHALE/CLAYSTONE	2.20	16.24	8.00	73.56	18.44	81.56	0027-1	L
2687.00	ccp	L	SHALE/CLAYSTONE	2.44	9.18	14.36	74.02	11.62	88.38	0028-1	L

Table 7: Saturated Hydrocarbon Ratios for well NOCS 6608/10-4

Depth unit of measure: m

Depth	Typ	Lithology	<u>Pristane</u>	<u>Pristane</u>	<u>Pristane/nC17</u>	<u>Phytane</u>	CPI1	<u>nC17</u>	Sample
			nC17	Phytane	Phytane/nC18	nC18		nC17+nC27	
2335.00	swc	Sh/Clst: drk gy to blk	1.69	0.58	0.40	4.21	1.74	0.64	0010-1L
2345.00	swc	Sh/Clst: drk gy to blk	2.62	0.77	0.76	3.43	1.76	0.50	0011-1L
2355.00	swc	Sh/Clst: drk gy to blk	1.58	1.39	1.42	1.11	1.37	0.73	0012-1L
2360.00	swc	Sh/Clst: drk gy	1.72	1.35	1.29	1.34	1.54	0.63	0013-1L
2374.00	cut	bulk	1.60	0.91	0.79	2.02	1.69	0.74	0014-0B
2416.00	cut	bulk	0.97	0.97	0.87	1.12	1.72	0.79	0015-0B
2485.50	FMT	1A	0.60	1.97	1.92	0.31	1.13	0.75	0033-0B
2505.30	FMT	1B	0.59	2.01	1.96	0.30	1.11	0.77	0034-0B
2531.00	DST	3A+B	0.57	1.97	1.88	0.30	1.11	0.77	0031-0B
2573.70	ccp	S/Sst : lt brn to w	0.57	2.02	1.91	0.30	1.13	0.77	0021-1L
2582.20	DST	2	0.58	1.99	1.95	0.30	1.13	0.76	0032-0B
2584.00	ccp	S/Sst : lt y brn to w	0.57	2.01	1.96	0.29	1.10	0.77	0023-1L
2596.30	ccp	Sltst : lt gy	0.59	1.91	1.87	0.31	1.10	0.76	0024-1L
2673.90	ccp	Sh/Clst: m drk gy	0.88	2.83	2.89	0.31	1.21	0.76	0027-1L

Table 8a: Aromatic Hydrocarbon Ratios for well NOCS 6608/10-4

Depth unit of measure: m

Depth	Typ	Lithology	MNR	DMNR	BPhR	2/1MP	MPI1	MPI2	Rc	DBT/P	4/1MDBT	(3+2) /1MDBT	Sample
2335.00	swc	Sh/Clst: drk gy to blk	-	-	-	1.36	0.85	0.83	0.91	-	-	-	0010-1L
2345.00	swc	Sh/Clst: drk gy to blk	0.45	0.87	-	-	2.43	2.11	1.86	0.85	0.30	0.18	0011-1L
2355.00	swc	Sh/Clst: drk gy to blk	-	0.74	-	-	1.89	1.65	1.53	0.69	0.43	0.22	0012-1L
2360.00	swc	Sh/Clst: drk gy	-	0.85	-	-	1.61	1.59	1.37	0.56	0.46	0.29	0013-1L
2374.00	cut	bulk	-	0.83	-	0.58	0.61	0.58	0.77	0.76	0.39	0.22	0014-0B
2416.00	cut	bulk	-	-	-	0.78	0.61	0.61	0.77	-	-	-	0015-0B
2485.50	FMT	1A	1.47	2.15	0.41	1.15	0.86	0.85	0.92	0.47	9.86	2.01	0033-0B
2505.30	FMT	1B	1.42	2.06	0.34	1.19	0.83	0.83	0.90	0.45	9.92	1.85	0034-0B
2531.00	DST	3A+B	1.47	2.18	0.42	1.20	0.85	0.87	0.91	0.48	10.98	2.25	0031-0B
2573.70	ccp	S/Sst : lt brn to w	1.37	2.22	0.46	1.21	0.83	0.89	0.90	0.34	13.62	2.57	0021-1L
2582.20	DST	2	1.45	2.26	0.49	1.18	0.81	0.85	0.89	0.36	11.53	2.28	0032-0B
2584.00	ccp	S/Sst : lt y brn to w	1.34	2.41	0.44	1.19	0.89	0.92	0.93	0.39	14.03	2.65	0023-1L
2596.30	ccp	Sltst : lt gy	1.47	2.35	0.45	1.17	0.84	0.91	0.90	0.31	13.98	2.47	0024-1L
2673.90	ccp	Sh/Clst: m drk gy	0.97	1.74	0.90	0.93	0.42	0.47	0.65	0.19	1.27	1.01	0027-1L

Table 8b: Aromatic Hydrocarbon Ratios for well NOCS 6608/10-4

Depth unit of measure: m

Depth	Typ	Lithology	F1	F2	Sample
2335.00	swc	Sh/Clst: drk gy to blk	0.44	0.22	0010-1L
2345.00	swc	Sh/Clst: drk gy to blk	1.00	0.43	0011-1L
2355.00	swc	Sh/Clst: drk gy to blk	1.00	0.44	0012-1L
2360.00	swc	Sh/Clst: drk gy	1.00	0.50	0013-1L
2374.00	cut	bulk	0.37	0.17	0014-0B
2416.00	cut	bulk	0.39	0.19	0015-0B
2485.50	FMT	1A	0.52	0.25	0033-0B
2505.30	FMT	1B	0.51	0.26	0034-0B
2531.00	DST	3A+B	0.52	0.26	0031-0B
2573.70	ccp	S/Sst : lt brn to w	0.51	0.27	0021-1L
2582.20	DST	2	0.51	0.26	0032-0B
2584.00	ccp	S/Sst : lt y brn to w	0.52	0.27	0023-1L
2596.30	ccp	Sltst : lt gy	0.50	0.27	0024-1L
2673.90	ccp	Sh/Clst: m drk gy	0.42	0.24	0027-1L

Depth unit of measure: m

Depth	Lithology	Ratio1	Ratio2	Ratio3	Ratio4	Ratio5	Ratio6	Ratio7	Ratio8	Ratio9	Rat.10	Rat.11	Rat.12	Rat.13	Rat.14	Sample
2335.00	Sh/Clst	3.34	0.77	0.11	0.35	0.26	0.03	0.32	0.93	0.24	0.03	0.67	0.26	0.49	26.66	0010-1
2345.00	Sh/Clst	7.91	0.89	0.17	0.66	0.40	0.03	2.87	4.33	0.74	0.02	0.69	0.39	0.44	24.04	0011-1
2355.00	Sh/Clst	10.42	0.91	0.20	0.47	0.32	0.01	0.03	0.07	0.03	0.04	0.75	0.34	0.39	24.06	0012-1
2360.00	Sh/Clst	12.71	0.93	0.17	0.41	0.29	0.01	0.03	0.07	0.03	0.02	0.75	0.33	0.41	20.54	0013-1
2480.00	Sh/Clst	6.16	0.86	0.15	0.49	0.33	0.02	0.03	0.06	0.03	0.02	0.70	0.34	0.46	25.99	0016-1
2485.50	FMT 1A	1.12	0.53	0.13	0.51	0.34	0.06	0.08	0.16	0.07	0.05	0.93	0.34	0.08	63.48	0033-0
2500.00	Sh/Clst	1.94	0.66	0.13	0.48	0.33	0.03	0.05	0.11	0.05	0.04	0.85	0.33	0.18	43.98	0017-1
2505.30	FMT 1B	1.17	0.54	0.13	0.48	0.33	0.06	0.08	0.16	0.07	0.06	0.93	0.33	0.08	64.87	0034-0
2531.00	DST 3A+B	1.15	0.53	0.13	0.48	0.32	0.06	0.08	0.16	0.07	0.03	0.93	0.33	0.09	61.28	0031-0
2573.70	S/Sst	1.12	0.53	0.11	0.46	0.31	0.05	0.06	0.13	0.06	0.05	0.94	0.32	0.08	62.85	0021-1
2582.20	DST 2	1.14	0.53	0.12	0.49	0.33	0.04	0.06	0.12	0.06	0.04	0.95	0.33	0.06	64.91	0032-0
2584.00	S/Sst	1.06	0.52	0.11	0.45	0.31	0.06	0.06	0.13	0.05	0.04	0.93	0.32	0.08	62.92	0023-1
2596.30	Sltst	1.22	0.55	0.13	0.47	0.32	0.07	0.08	0.16	0.07	0.04	0.92	0.32	0.09	60.35	0024-1
2602.50	Sltst	3.62	0.78	0.16	0.35	0.26	0.05	0.78	2.26	0.44	0.05	0.85	0.28	0.22	41.79	0025-1

Table 9a: Variation in Triterpane Distribution (peak height) SIR for Well NOCS 6608/10-4

Depth unit of measure: m

Depth	Lithology	Ratio1	Ratio2	Ratio3	Ratio4	Ratio5	Ratio6	Ratio7	Ratio8	Ratio9	Rat.10	Rat.11	Rat.12	Rat.13	Rat.14	Sample
2610.50	S/Sst	-	-	-	0.53	0.35	-	0.32	0.60	0.24	0.39	1.00	0.43	0.16	-	0026-1
2673.90	Sh/Clst	12.06	0.92	0.28	0.65	0.39	0.05	1.68	2.60	0.63	0.04	0.78	0.40	0.31	33.99	0027-1
2687.00	Sh/Clst	32.81	0.97	0.22	0.55	0.36	0.05	1.14	2.07	0.53	0.02	0.78	0.37	0.31	33.79	0028-1

List of Triterpane Distribution Ratios

Ratio 1: $27Tm / 27Ts$

Ratio 2: $27Tm / 27Tm+27Ts$

Ratio 3: $27Tm / 27Tm+30a\beta+30\beta a$

Ratio 4: $29a\beta / 30a\beta$

Ratio 5: $29a\beta / 29a\beta+30a\beta$

Ratio 6: $30d / 30a\beta$

Ratio 7: $28a\beta / 30a\beta$

Ratio 8: $28a\beta / 29a\beta$

Ratio 9: $28a\beta / 28a\beta+30a\beta$

Ratio 10: $24/3 / 30a\beta$

Ratio 11: $30a\beta / 30a\beta+30\beta a$

Ratio 12: $29a\beta+29\beta a / 29a\beta+29\beta a+30a\beta+30\beta a$

Ratio 13: $29\beta a+30\beta a / 29a\beta+30a\beta$

Ratio 14: $32a\beta S / 32a\beta S+32a\beta R$ (%)

Table 9b: Variation in Sterane Distribution (peak height) SIR for Well NOCS 6608/10-4

Depth unit of measure: m

<u>Depth</u>	<u>Lithology</u>	<u>Ratio1</u>	<u>Ratio2</u>	<u>Ratio3</u>	<u>Ratio4</u>	<u>Ratio5</u>	<u>Ratio6</u>	<u>Ratio7</u>	<u>Ratio8</u>	<u>Ratio9</u>	<u>Ratio10</u>	<u>Sample</u>
2335.00	Sh/Clst	0.23	8.38	50.65	0.93	0.86	0.20	0.15	0.34	0.09	0.56	0010-1
2345.00	Sh/Clst	0.33	6.50	61.86	0.94	0.93	0.20	0.15	0.45	0.07	0.87	0011-1
2355.00	Sh/Clst	0.40	11.80	63.94	0.95	0.88	0.42	0.33	0.47	0.13	1.01	0012-1
2360.00	Sh/Clst	0.38	9.07	65.00	1.01	0.91	0.37	0.28	0.48	0.10	1.02	0013-1
2480.00	Sh/Clst	0.44	10.66	63.51	0.83	0.89	0.16	0.12	0.47	0.12	0.97	0016-1
2485.50	FMT 1A	0.81	53.10	80.32	0.76	0.79	0.37	0.28	0.67	1.13	4.35	0033-0
2500.00	Sh/Clst	0.67	24.92	70.41	0.82	0.83	0.33	0.25	0.54	0.33	1.58	0017-1
2505.30	FMT 1B	0.81	48.50	79.77	0.76	0.80	0.39	0.29	0.66	0.94	3.83	0034-0
2531.00	DST 3A+B	0.83	50.04	79.36	0.75	0.79	0.30	0.22	0.66	1.00	3.85	0031-0
2573.70	S/Sst	0.84	50.27	79.02	0.92	0.79	0.40	0.30	0.65	1.01	3.79	0021-1
2582.20	DST 2	0.84	55.31	82.93	0.77	0.81	0.43	0.33	0.71	1.24	5.44	0032-0
2584.00	S/Sst	0.80	42.22	79.17	0.87	0.82	0.37	0.28	0.66	0.73	3.29	0023-1
2596.30	Sltst	0.76	47.55	77.38	0.82	0.78	0.32	0.23	0.63	0.91	3.26	0024-1
2602.50	Sltst	0.68	43.30	70.06	0.77	0.73	0.26	0.19	0.54	0.76	2.06	0025-1

Table 9b: Variation in Sterane Distribution (peak height) SIR for Well NOCS 6608/10-4

Depth unit of measure: m

<u>Depth</u>	<u>Lithology</u>	<u>Ratio1</u>	<u>Ratio2</u>	<u>Ratio3</u>	<u>Ratio4</u>	<u>Ratio5</u>	<u>Ratio6</u>	<u>Ratio7</u>	<u>Ratio8</u>	<u>Ratio9</u>	<u>Ratio10</u>	<u>Sample</u>
2610.50	S/Sst	-	-	-	-	-	-	-	-	-	-	0026-1
2673.90	Sh/Clst	0.67	22.06	71.16	0.21	0.85	0.40	0.34	0.55	0.28	1.58	0027-1
2687.00	Sh/Clst	0.72	19.29	72.44	0.56	0.87	0.36	0.26	0.57	0.24	1.63	0028-1

List of Sterane Distribution Ratios

Ratio 1: $27d\beta S / 27d\beta S + 27aaR$

Ratio 2: $29aaS / 29aaS + 29aaR$ (%)

Ratio 3: $2 * (29\beta\beta R + 29\beta\beta S) / (29aaS + 29aaR + 2 * (29\beta\beta R + 29\beta\beta S))$ (%)

Ratio 4: $27d\beta S + 27d\beta R + 27daS + 27daR / 29d\beta S + 29d\beta R + 29daS + 29daR$

Ratio 5: $29\beta\beta R + 29\beta\beta S / 29\beta\beta R + 29\beta\beta S + 29aaS$

Ratio 6: $21a + 22a / 21a + 22a + 29aaS + 29\beta\beta R + 29\beta\beta S + 29aaR$

Ratio 7: $21a + 22a / 21a + 22a + 28daR + 28aaS + 29daR + 29aaS + 29\beta\beta R + 29\beta\beta S + 29aaR$

Ratio 8: $29\beta\beta R + 29\beta\beta S / 29aaS + 29\beta\beta R + 29\beta\beta S + 29aaR$

Ratio 9: $29aaS / 29aaR$

Ratio 10: $29\beta\beta R + 29\beta\beta S / 29aaR$

Table 9c: Variation in Triaromatic Sterane Distribution (peak height) for Well NOCS 6608/10-4

Depth unit of measure: m

<u>Depth</u>	<u>Lithology</u>	<u>Ratio1</u>	<u>Ratio2</u>	<u>Ratio3</u>	<u>Ratio4</u>	<u>Ratio5</u>	<u>Sample</u>
2335.00	Sh/Clst	0.38	0.21	0.12	0.18	0.18	0010-1
2345.00	Sh/Clst	0.33	0.23	0.14	0.17	0.23	0011-1
2355.00	Sh/Clst	0.41	0.26	0.19	0.23	0.29	0012-1
2360.00	Sh/Clst	0.35	0.24	0.17	0.19	0.27	0013-1
2480.00	Sh/Clst	0.25	0.22	0.14	0.14	0.20	0016-1
2485.50	FMT 1A	0.51	0.53	0.29	0.25	0.37	0033-0
2500.00	Sh/Clst	0.71	0.66	0.48	0.49	0.59	0017-1
2505.30	FMT 1B	0.55	0.56	0.33	0.29	0.42	0034-0
2531.00	DST 3A+B	0.56	0.58	0.33	0.29	0.41	0031-0
2573.70	S/Sst	0.68	0.66	0.43	0.41	0.54	0021-1
2582.20	DST 2	0.62	0.60	0.38	0.35	0.48	0032-0
2584.00	S/Sst	0.67	0.68	0.42	0.39	0.52	0023-1

Ratio1: a1 / a1 + g1

Ratio2: b1 / b1 + g1

Ratio3: a1 + b1 / a1 + b1 + c1 + d1 + e1 + f1 + g1

Ratio4: a1 / a1 + e1 + f1 + g1

Ratio5: a1 / a1 + d1