

Rock Eval Pyrolysis Results, Well 34/2-4, AMOCO.

Depth	Lith.	Tmax	S 1	S 2	S 3	PI	S2/S3	Ppot	TOC	H I	O I
3250	Sh gy	424	0.10	0.42	0.43	0.19	0.98	0.52	0.67	62	64
3270	Sh gy	425	0.05	0.20	0.40	0.20	0.50	0.25	0.66	30	60
3290	Sh gy	424	0.05	0.20	0.47	0.21	0.42	0.25	0.65	30	72
3310	Sh gy	428	0.30	0.72	1.05	0.29	0.68	1.02	0.92	78	114
3330	Sh gy	425	0.41	0.59	1.06	0.41	0.57	1.01	1.05	57	100
3350	Sh gy	425	0.25	0.46	0.91	0.35	0.51	0.71	0.92	50	98
3370	Sh gy	423	0.21	0.39	0.90	0.35	0.43	0.60	0.67	58	134
3390	Sh gy	425	0.07	0.20	0.22	0.26	0.91	0.27	0.70	28	31
3410	Sh gy	427	0.07	0.21	0.34	0.25	0.61	0.28	0.73	28	46
3430	Sh gy	428	0.16	0.31	0.20	0.35	1.55	0.47	0.83	37	24
3450	Sh gy	428	0.15	0.30	0.21	0.34	1.42	0.45	0.90	33	23
3470	Sh gy	434	0.14	0.44	0.36	0.24	1.22	0.58	0.78	56	46
3470	BULK	431	0.10	0.36	0.30	0.22	1.20	0.46	0.77	46	38
3490	Sh gy	432	0.16	0.30	0.10	0.35	3.00	0.46	0.85	35	11
3490	Dol	387	1.25	0.96	2.34	0.57	0.41	2.21	0.63	152	372
3510	Sh gy	428	0.52	0.38	0.11	0.58	3.45	0.90	0.85	44	12
3530	Sh gy	433	0.20	0.30	0.48	0.40	0.63	0.50	0.82	36	58
3550	Sh gy	434	0.17	0.28	0.34	0.39	0.82	0.45	0.87	32	39
3569	Sh gy	435	0.11	0.27	0.15	0.29	1.80	0.38	0.83	32	18
3569	Sh red	441	0.01	0.02	0.15	0.50	0.13	0.03	0.21	9	71
3569	BULK	429	0.66	0.81	0.71	0.45	1.14	1.47	0.80	101	88
3578	Sh gy	433	0.09	0.65	0.22	0.12	3.25	0.74	1.35	48	14
3587	Sh gy	434	0.09	1.53	0.39	0.06	3.92	1.62	1.77	86	22
3596	Sh gy	433	0.08	0.50	0.29	0.14	1.72	0.58	1.45	34	20
3605	Sh m drk	434	0.07	0.79	0.23	0.08	3.43	0.86	1.64	48	14
3614	Sh m drk	438	0.08	1.56	0.26	0.05	6.00	1.64	2.04	76	12
3614	Sh red	437	0.00	0.01	0.12	0.00	0.08	0.01	0.20	5	60
3623	Sh m drk	437	0.16	0.80	0.44	0.17	1.82	0.96	1.90	42	23
3623	Sh red	437	0.00	0.00	0.23	0.00	0.00	0.00	0.20	0	115
3632	Sh m drk	434	0.08	0.73	0.56	0.10	1.30	0.81	1.70	42	32
3632	Sh red	436	0.01	0.04	0.26	0.25	0.15	0.05	0.23	17	113
3641	Sh m drk	436	0.10	0.77	0.54	0.11	1.43	0.87	1.85	41	29
3641	Sh red	439	0.00	0.01	0.24	0.00	0.04	0.01	0.22	4	109
3650	Sh m drk	437	0.11	0.85	0.46	0.09	1.89	0.96	2.08	40	22
3659	Sh m drk	436	0.09	0.80	0.30	0.10	2.67	0.89	1.60	50	18

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Depth	Lith.	Tmax	S 1	S 2	S 3	PI	S2/S3	Ppot	TOC	H I	O I
3668	Sh m drk	436	0.09	0.80	0.41	0.10	1.95	0.89	1.74	45	23
3677	Sh m drk	438	0.09	0.70	0.32	0.11	2.19	0.79	1.42	49	22
3704	Sh m drk	443	0.19	2.20	0.40	0.08	5.50	2.39	1.80	122	22
3713	Sh m drk	444	0.16	4.09	0.35	0.04	11.68	4.25	2.45	116	14
3722	Sh m drk	441	0.13	2.77	0.20	0.04	13.85	2.90	2.04	135	9
3731	Sh m drk	442	0.13	1.45	0.24	0.08	6.04	1.58	2.10	69	11
3740	Sh m drk	443	0.20	2.18	0.20	0.08	10.90	2.38	1.18	184	16
3749	Sh m drk	445	0.16	3.82	0.24	0.04	15.91	3.98	1.93	197	12
3758	Sh m drk	443	0.18	2.06	0.30	0.08	6.86	2.24	1.19	173	25
3767	Sh m drk	444	0.16	2.16	0.30	0.07	7.20	2.32	1.95	110	15
3776	Sh m drk	439	0.19	0.32	0.32	0.38	1.00	0.51	1.80	17	17
3785	Sh m drk	442	0.15	2.18	0.30	0.06	7.26	2.33	1.52	143	19
3794	Sh m drk	442	0.15	3.51	0.15	0.04	23.40	3.66	1.34	261	11
3803	Sh m drk	442	0.15	0.96	0.30	0.14	3.20	1.11	1.40	68	21
3812	Sh m drk	442	0.17	0.82	0.34	0.17	2.41	0.99	1.28	64	26
3827	Sh m drk	440	0.19	0.55	0.38	0.26	1.45	0.74	1.55	35	24
3857	Sh m drk	441	0.16	3.90	0.23	0.04	16.95	4.06	2.10	185	10
3866	Sh m drk	444	0.16	3.51	0.18	0.04	19.44	3.66	1.94	180	9
3866	Sh red	447	0.00	0.00	0.24	0.00	0.00	0.00	0.14	0	171
3875	Sh m drk	442	0.16	3.19	0.18	0.05	17.70	3.35	2.10	151	8
3884	Sh m drk	442	0.12	2.45	0.21	0.05	11.67	2.57	1.83	133	11
3893	Sh m drk	442	0.18	2.78	0.28	0.06	9.93	2.96	1.85	150	15
3902	Sh m drk	441	0.10	1.67	0.29	0.06	5.75	1.77	1.40	119	20
3911	Sh m drk	439	0.17	2.42	0.21	0.07	11.52	2.59	1.95	124	10
3920	Sh m drk	440	0.10	1.85	0.26	0.05	7.12	1.95	1.70	108	15
3929	Sh m drk	439	0.11	1.37	0.30	0.07	4.56	1.42	1.69	81	17
3938	Sh m drk	439	0.10	1.27	0.27	0.06	4.70	1.37	1.72	74	16
3947	BULK	438	0.06	0.10	0.38	0.37	0.26	0.16	0.68	14	55
3956	BULK	440	0.04	0.10	0.34	0.29	0.29	0.14	0.58	17	58
3965	BULK	439	0.06	0.20	0.34	0.23	0.58	0.26	0.70	28	48
3974	Sh m drk	440	0.13	2.30	0.22	0.05	10.45	2.43	1.94	118	11
3983	Sh m drk	441	0.19	2.33	0.27	0.08	8.62	2.52	2.00	116	13
3992	Sh m drk	439	0.10	1.66	0.31	0.06	5.35	1.76	1.89	87	16
4001	Sh m drk	439	0.10	1.60	0.31	0.06	5.16	1.70	1.86	86	16
4010	Sh m drk	441	0.10	1.50	0.35	0.06	4.29	1.60	1.75	85	20

Rock Eval Pyrolysis Results, Well 34/2-4, AMOCO.

<u>Depth</u>	<u>Lith.</u>	<u>Tmax</u>	<u>S 1</u>	<u>S 2</u>	<u>S 3</u>	<u>PI</u>	<u>S2/S3</u>	<u>Ppot</u>	<u>TOC</u>	<u>H I</u>	<u>O I</u>
4019	Sh m drk	441	0.11	1.89	0.35	0.06	5.40	2.00	1.85	102	18
4028	Sh m drk	440	0.11	1.70	0.41	0.06	4.14	1.81	1.96	86	20
4037	Sh m drk	440	0.10	1.66	0.46	0.06	3.61	1.76	1.96	84	23
4037	Sh m gy	440	0.02	0.12	0.55	0.14	0.21	0.14	0.62	19	88
4046	Sh m drk	440	0.09	1.69	0.45	0.05	3.76	1.78	1.98	35	22
4055	Sh m drk	439	0.11	1.88	0.47	0.06	4.00	1.99	2.00	94	24
4064	Sh m drk	438	0.10	1.69	0.27	0.06	6.25	1.79	1.93	88	14
4073	Sh m drk	438	0.27	4.05	0.43	0.06	9.41	4.32	2.20	184	19
4082	Sh m drk	438	0.15	2.79	0.28	0.05	9.96	2.94	2.26	123	12
4091	Sh m drk	441	0.14	2.32	0.39	0.06	5.94	2.46	2.90	80	13
4100	Sh m drk	435	0.11	1.36	0.21	0.08	6.47	1.47	1.81	75	12
4107	Sh m drk	436	2.01	24.58	0.52	0.08	47.26	26.59	1.95	1261	27

THERMAL MATURITY DATA : 34/2-4 AMOCO

DEPTH (m)	LITH. ANAL.	VITRINITE REFLECTANCE	No	SCI (1-10)	FLUOR. (1-9)	PYROLYSIS Tmax
3270	Sh	0.55	4		4-5	425
3310	Sh	0.40	2		5	428
3350	Sh	0.39	2		4-5	425
3410	Sh	0.40	5		4-6	427
3470	Sh	0.44	2		4	434
3510	Sh	0.42	2		4-6	428
3569	Sh gy	0.64	5		4	435
3623	Sh red	NDP			0	437
3668	Sh	0.62	20		4-5	436
Algae in all samples below 3722 m						
3722	Sh drk	0.61	21		4-5	441
3767	Sh	0.58	21		4-5	444
3827	Sh	0.59	3		4	440
3875	Sh drk	0.58	20		4-5	442
3920	Sh drk	0.61	21		4-5	440
3974	Sh	0.56	7		4-5	440
4019	Sh drk	0.59	21		4-6	441
4082	Sh	0.62	22		4-6	438

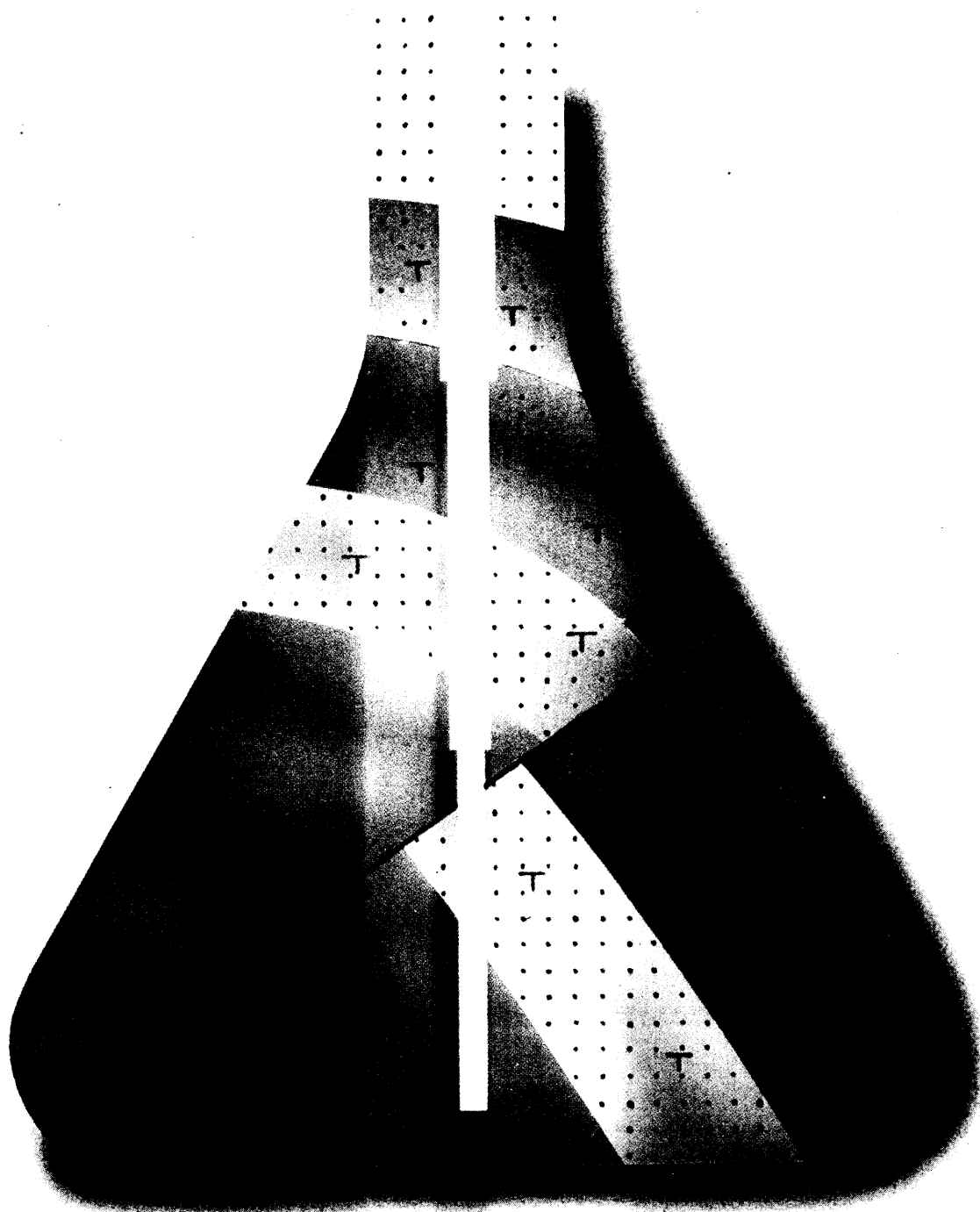
Fluorescence :

0 = NIL	5 = Light Orange
1 = Green	6 = Moderate Orange
2 = Green/Yellow	7 = Dark Orange
3 = Yellow	8 = Orange Red
4 = Yellow/Orange	9 = Red

NDP = No Determination Possible

GEOCHEMICAL ANALYSIS REPORT

Well NOCS 34/2-4



GEOLAB  **NOR**
GEOCHEMICAL LABORATORIES OF NORWAY A/S


GECO

INTRODUCTION

Well NOCS 34/2-4 is situated in the Norwegian sector of the North Sea. The well is located at 61°45'20.11"N, 02°39'37.64"E and drilled to a total depth of 4107 m. The depth of water is 424 m and the Kelly Bushing elevation 33 m. All depths are measured from Kelly Bushing (KB). A total of 183 samples was collected between 830 m and 4106 m from the Norwegian Petroleum Directorate (NPD) in Stavanger. All the collected samples were cuttings samples and the sampling interval was 30 m for the Tertiary Nordland, Hordaland and Rogaland Gps. and the Cretaceous Shetland Gp., 15 m for the Lower Cretaceous Cromer Knoll Gp. and 6 m for the Jurassic samples. A careful selection of suitable samples was made for screening analysis (TOC, Rock-Eval). Thirty-five samples were selected for this purpose, and from the data obtained, samples were chosen for follow-up analyses. These are as follows:

Thermal extraction - pyrolysis - gas chromatography	13 samples
Extraction, MPLC fractionation, saturated and aromatic hydrocarbon gas chromatography	6 samples
Vitrinite reflectance microscopy	15 samples
Visual kerogen microscopy	7 samples
Isotope analysis of C ₁₅ + fractions	0 samples
Gas chromatography - mass spectrometry	3 samples

Tables listing in detail the samples analysed and the results are presented in Appendix 1. The following strati-

graphic information of the well is taken from NPD well
datasummary sheets, volume 16.

Tertiary	543 - 2071 m
Nordland Group	543 - 1418 m
Utsira Formation	1359 - 1418 m
Hordaland Group	1418 - 1946 m
Rogaland Group	1946 - 2071 m
Balder Formation	1946 - 1982 m
Sele Formation	1982 - 1995 m
Lista Formation	1995 - 2071 m
Cretaceous	2071 - 3586 m
Shetland Group	2071 - 3300 m
Cromer Knoll Group	3300 - 3586 m
Jurassic	3586 - 4107 m
Viking Group	3586 - 3615 m
Heather Formation	3586 - 3615 m
Brent Group	3615 - 3688 m
Dunlin Group	3688 - 4063 m
Drake Formation	3688 - 3820 m
Cook Formation	3820 - 3932 m
Burton Formation	3932 - 3972 m
Amundsen Formation	3972 - 4063 m
Statfjord Formation (Nansen Member)	4063 - 4107 m
Total Depth (TD)	4107 m

APPENDIX 1

TABLES

Table 1 : Lithology description for well NOCS 34/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
830.00			Nrdl	Pliocene-Miocene		0001
			85 S/Sst	: lt gy to m gy, crs, l		0001-1L
			15 Other	: w		0001-2L
			tr Cont	: prp, Coal-ad		0001-3L
860.00			Nrdl	Pliocene-Miocene		0002
			90 Sltst	: lt gy, carb		0002-1L
			5 S/Sst	: w to lt gy, crs, l		0002-2L
			5 Ca	: lt or to or gy		0002-3L
890.00			Nrdl	Pliocene-Miocene		0003
			90 S/Sst	: w to lt gy to m gy, crs, l		0003-1L
			10 Ca	: lt or to or gy, fos		0003-2L
920.00			Nrdl	Pliocene-Miocene		0004
			95 S/Sst	: w to lt gy to m gy, crs, l		0004-1L
			5 Ca	: lt or to or gy, fos		0004-2L
			tr Cont	: prp, dd		0004-3L
950.00			Nrdl	Pliocene-Miocene		0005
			60 Sltst	: lt gy		0005-1L
			35 S/Sst	: w to lt gy to m gy, f, crs, l		0005-2L
			5 Ca	: lt or to or gy		0005-3L
980.00			Nrdl	Pliocene-Miocene		0006
			100 S/Sst	: w to lt gy to m gy, crs, l		0006-1L
			tr Ca	: lt or to or gy		0006-2L

Table 1 : Lithology description for well NOCS 34/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1010.00			Nrdl	Pliocene-Miocene		0007
			100 S/Sst	: w to lt gy to m gy, crs, l		0007-1L
			tr Ca	: lt or to or gy, fos		0007-2L
			tr Cont	: prp		0007-3L
1040.00			Nrdl	Pliocene-Miocene		0008
			100 S/Sst	: w to lt gy to m gy, crs, l		0008-1L
			tr Ca	: lt or to or gy, fos		0008-2L
			tr Cont	: prp		0008-3L
1080.00			Nrdl	Pliocene-Miocene		0009
			100 S/Sst	: w to lt gy to m gy, crs, l		0009-1L
			tr Ca	: lt or to or gy, fos		0009-2L
			tr Cont	: prp		0009-3L
1100.00			Nrdl	Pliocene-Miocene		0010
			90 S/Sst	: w to lt gy to m gy, crs, l		0010-1L
			10 Sltst	: lt gy		0010-2L
			tr Ca	: lt or to or gy, fos		0010-3L
1130.00			Nrdl	Pliocene-Miocene		0011
			100 S/Sst	: w to lt gy to m gy to gy red, crs, l		0011-1L
			tr Sltst	: lt gy		0011-2L
			tr Ca	: lt or to or gy, fos		0011-3L
1160.00			Nrdl	Pliocene-Miocene		0012
			100 S/Sst	: w to lt gy to m gy to gy red, crs, l		0012-1L
			tr Sltst	: lt gy		0012-2L
			tr Ca	: lt or to or gy, fos		0012-3L
			tr Cont	: prp		0012-4L

Table 1 : Lithology description for well NOCS 34/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1190.00			Nrdl	Pliocene-Miocene		0013
			100 S/Sst	: w to lt gy to m gy to gy red, crs, l		0013-1L
			tr Ca	: lt or to or gy, fos		0013-2L
			tr Cont	: prp		0013-3L
1220.00			Nrdl	Pliocene-Miocene		0014
			100 S/Sst	: w to lt gy to m gy, crs, l		0014-1L
			tr Ca	: lt or to or gy, fos		0014-2L
1250.00			Nrdl	Pliocene-Miocene		0015
			100 S/Sst	: w to lt gy to m gy, crs, l, mic		0015-1L
			tr Ca	: lt or to or gy, fos		0015-2L
1280.00			Nrdl	Pliocene-Miocene		0016
			100 S/Sst	: w to lt gy to m gy, crs, l, mic		0016-1L
			tr Ca	: lt or to drk gy, fos		0016-2L
1310.00			Nrdl	Pliocene-Miocene		0017
			40 S/Sst	: w to lt gy to m gy, crs, l, mic		0017-1L
			30 Sltst	: lt gy		0017-2L
			25 Cont	: dd		0017-3L
			5 Ca	: lt or, fos		0017-4L
1340.00			Nrdl	Pliocene-Miocene		0018
			100 S/Sst	: w to lt gy to m gy, crs, l, mic		0018-1L
			tr Ca	: lt or to drk gy, fos		0018-2L
			tr Cont	: prp		0018-3L

Table 1 : Lithology description for well NOCS 34/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1370.00				Nrdl Utsi Miocene		0019
			100	S/Sst : w to lt gy to m gy, crs, l, mic		0019-1L
				tr Ca : lt or to drk gy, fos		0019-2L
				tr Cont : prp, dd		0019-3L
1400.00				Nrdl Utsi Miocene		0020
			100	S/Sst : w to lt gy to m gy, crs, l, mic		0020-1L
				tr Ca : lt or to drk gy, fos		0020-2L
				tr Cont : prp, dd		0020-3L
1430.00				Hrdl Oligocene-Eocene		0021
			100	S/Sst : w to lt gy to m gy, crs, l, mic		0021-1L
				tr Ca : lt or to drk gy, fos		0021-2L
				tr Cont : prp, dd		0021-3L
1460.00				Hrdl Oligocene-Eocene		0022
			80	S/Sst : w to lt gy to m gy, crs, l, mic		0022-1L
			20	Cont : dd, prp, Coal-ad		0022-2L
				tr Ca : lt or		0022-3L
1490.00				Hrdl Oligocene-Eocene		0023
			70	Cont : dd		0023-1L
			20	S/Sst : w to lt gy to m gy, crs, l		0023-2L
			10	Sh/Clst: gn to gn blk to dsk y gn, glauc		0023-3L
				tr Ca : lt or, fos		0023-4L
1520.00				Hrdl Oligocene-Eocene		0024
			40	Cont : dd		0024-1L
			40	S/Sst : w to lt gy to m gy, crs, f, l		0024-2L
			20	Sh/Clst: gn to gn blk to dsk y gn, glauc		0024-3L
				tr Ca : lt or, fos		0024-4L

Table 1 : Lithology description for well NOCS 34/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1550.00				Hrdl Oligocene-Eocene		0025
			100	Sh/Clst: lt brn gy to pl y brn		0025-1L
				tr S/Sst : w to lt gy to m gy, crs, f, l		0025-2L
				tr Sh/Clst: gn to gn blk to dsk y gn, glauc		0025-3L
1580.00				Hrdl Oligocene-Eocene		0026
			100	Sh/Clst: lt brn gy to pl y brn		0026-1L
				tr S/Sst : w to lt gy to m gy, crs, f, l		0026-2L
				tr Sh/Clst: gn to gn blk to dsk y gn, glauc		0026-3L
1610.00				Hrdl Oligocene-Eocene		0027
			100	Sh/Clst: pl y brn		0027-1L
				tr S/Sst : w to lt gy to m gy, crs, f, l		0027-2L
				tr Sh/Clst: gn to gn blk to dsk y gn, glauc		0027-3L
1640.00				Hrdl Oligocene-Eocene		0028
			100	Sh/Clst: pl y brn to lt brn gy		0028-1L
				tr S/Sst : w to lt gy to m gy, crs, f, l		0028-2L
				tr Sh/Clst: gn to gn blk to dsk y gn, glauc		0028-3L
1670.00				Hrdl Oligocene-Eocene		0029
			100	Sh/Clst: lt ol gy		0029-1L
				tr S/Sst : w to lt gy, crs, l		0029-2L
1700.00				Hrdl Oligocene-Eocene		0030
			100	Sh/Clst: lt brn gy to lt y gn to lt ol gy		0030-1L
				tr S/Sst : w to lt gy, crs, l		0030-2L

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Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1730.00			Hrdl	Oligocene-Eocene		0031
			100	Sh/Clst: lt brn gy to lt ol gy		0031-1L
			tr	S/Sst : w to lt gy, crs, l		0031-2L
			tr	Sh/Clst: m brn		0031-3L
1760.00			Hrdl	Oligocene-Eocene		0032
			100	Sh/Clst: lt brn gy to lt ol gy		0032-1L
			tr	Sh/Clst: m brn		0032-2L
1790.00			Hrdl	Oligocene-Eocene		0033
			100	Sh/Clst: lt brn gy to lt ol gy		0033-1L
			tr	Ca : lt or		0033-2L
1820.00			Hrdl	Oligocene-Eocene		0034
			100	Sh/Clst: lt brn gy to lt ol gy		0034-1L
1850.00			Hrdl	Oligocene-Eocene		0035
			100	Sh/Clst: lt brn gy to lt ol gy		0035-1L
1880.00			Hrdl	Oligocene-Eocene		0036
			100	Sh/Clst: lt brn gy to lt ol gy to drk y brn		0036-1L
1910.00			Hrdl	Oligocene-Eocene		0037
			95	Sh/Clst: drk y brn to y gy to brn gy		0037-1L
			5	Ca : lt or to or gy		0037-2L

Table 1 : Lithology description for well NOCS 34/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
1940.00		Hrdl		Oligocene-Eocene		0038
		70	Sh/Clst: drk y brn to y gy to brn gy, carb			0038-1L

Table 2 : Rock-Eval table for well NOCS 34/2-4

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
1640.00	cut	Sh/Clst: pl y brn to lt brn gy	0.34	1.94	0.74	2.62	1.21	160	61	2.3	0.15	417	0028-1L
1790.00	cut	Sh/Clst: lt brn gy to lt ol gy	0.04	0.09	0.42	0.21	0.24	38	175	0.1	0.31	426	0033-1L
2030.00	cut	Sh/Clst: drk y brn to y gy to brn gy	0.05	0.03	0.19	0.16	0.16	19	119	0.1	0.63	362	0041-1L
2300.00	cut	Sh/Clst: lt gy	0.10	0.18	0.33	0.55	0.50	36	66	0.3	0.36	425	0050-1L
2540.00	cut	Sh/Clst: lt gy	0.11	0.14	0.26	0.54	0.46	30	57	0.3	0.44	427	0058-1L
2900.00	cut	Sh/Clst: lt gy to m gy	0.14	0.13	0.59	0.22	0.48	27	123	0.3	0.52	419	0070-1L
3170.00	cut	Sh/Clst: m gy to drk gy	0.31	0.41	0.81	0.51	0.82	50	99	0.7	0.43	430	0079-1L
3350.00	cut	Sh/Clst: m gy to drk gy	0.68	0.66	0.73	0.90	0.91	73	80	1.3	0.51	431	0086-1L
3490.00	cut	Sh/Clst: lt gy to m gy to drk gy	0.40	0.44	0.12	3.67	0.72	61	17	0.8	0.48	437	0093-1L
3587.00	cut	Sh/Clst: drk gy to brn blk	2.37	1.70	0.14	12.14	1.78	96	8	4.1	0.58	441	0099-1L
3593.00	cut	Sh/Clst: m gy to drk gy to brn blk	1.80	0.64	0.23	2.78	1.25	51	18	2.4	0.74	439	0100-1L
3599.00	cut	Sh/Clst: m gy to drk gy to brn blk	2.28	0.86	0.28	3.07	1.41	61	20	3.1	0.73	436	0101-1L
3605.00	cut	Sh/Clst: m gy to drk gy to brn blk	3.32	1.37	0.25	5.48	1.71	80	15	4.7	0.71	438	0102-1L
3623.00	cut	Sh/Clst: m gy to drk gy to brn blk	2.28	1.16	0.33	3.52	1.80	64	18	3.4	0.66	439	0105-1L

Table 2 : Rock-Eval table for well NOCS 34/2-4

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
3635.00	cut	Sh/Clst: m gy to drk gy to brn blk	2.05	1.02	0.33	3.09	1.70	60	19	3.1	0.67	437	0107-1L
3653.00	cut	Sh/Clst: drk gy to brn blk	2.54	1.14	0.28	4.07	1.60	71	18	3.7	0.69	439	0110-1L
3671.00	cut	Sh/Clst: m gy to drk gy	3.58	1.37	0.48	2.85	0.41	334	117	4.9	0.72	438	0113-1L
3716.00	cut	Sh/Clst: m gy to drk gy to brn blk	1.09	3.72	0.50	7.44	1.75	213	29	4.8	0.23	448	0120-1L
3734.00	cut	Sh/Clst: m gy to drk gy to brn blk	0.94	2.56	0.36	7.11	1.70	151	21	3.5	0.27	445	0123-1L
3752.00	cut	Sh/Clst: m gy to drk gy	0.82	5.09	0.16	31.81	2.15	237	7	5.9	0.14	447	0126-1L
3776.00	cut	Sh/Clst: m gy to drk gy	0.74	2.72	0.17	16.00	1.49	183	11	3.5	0.21	448	0130-1L
3794.00	cut	Sh/Clst: drk gy to brn blk	1.82	1.67	0.24	6.96	1.57	106	15	3.5	0.52	445	0133-1L
3812.00	cut	Sh/Clst: drk gy to brn blk	2.42	1.94	0.15	12.93	1.49	130	10	4.4	0.56	445	0136-1L
3857.00	cut	S/Sst : w to lt gy	0.63	0.25	0.12	2.08	0.32	78	38	0.9	0.72	436	0141-1L
3875.00	cut	S/Sst : w to lt gy	0.12	-	-	-	0.01	-	-	0.1	1.00	-	0144-1L
3893.00	cut	S/Sst : w to lt gy	0.54	0.04	-	-	0.11	36	-	0.6	0.93	424	0147-1L
3917.00	cut	S/Sst : w to lt gy	0.34	-	-	-	0.02	-	-	0.3	1.00	-	0151-1L
3935.00	cut	Sh/Clst: drk gy to brn blk	0.86	0.42	0.01	42.00	0.50	84	2	1.3	0.67	438	0154-1L
3959.00	cut	Sh/Clst: drk gy to brn blk	1.29	0.62	0.04	15.50	0.68	91	6	1.9	0.68	441	0158-1L

Table 2 : Rock-Eval table for well NOCS 34/2-4

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
3977.00	cut	Sh/Clst: drk gy to brn blk	3.27	2.19	0.14	15.64	1.41	155	10	5.5	0.60	443	0161-1L
4001.00	cut	Sh/Clst: drk gy to brn blk	0.71	1.73	-	-	1.22	142	-	2.4	0.29	444	0165-1L
4025.00	cut	Sh/Clst: drk gy	0.61	1.80	0.13	13.85	1.38	130	9	2.4	0.25	448	0169-1L
4055.00	cut	Sh/Clst: drk gy to brn blk	0.23	0.32	0.12	2.67	0.52	62	23	0.6	0.42	441	0175-1L
4085.00	cut	S/Sst : w. to lt gy	0.06	0.05	-	-	0.06	83	-	0.1	0.55	434	0179-1L

Table 3 : Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 34/2-4

Depth unit of measure: m

Depth	Typ	Lithology	C1	C2-C5	C6-C14	C15+	S2 from Rock-Eval	Sample
1640.00	cut	Sh/Clst: pl y brn to lt brn gy	5.60	33.55	57.11	3.74	1.94	0028-1L
3350.00	cut	Sh/Clst: m gy to drk gy	9.25	12.28	69.82	8.65	0.66	0086-1L
3587.00	cut	Sh/Clst: drk gy to brn blk	11.21	28.74	50.67	9.38	1.70	0099-1L
3599.00	cut	Sh/Clst: m gy to drk gy to brn blk	10.88	0.72	79.25	9.16	0.86	0101-1L
3653.00	cut	Sh/Clst: drk gy to brn blk	9.81	0.50	79.03	10.67	1.14	0110-1L
3716.00	cut	Sh/Clst: m gy to drk gy to brn blk	5.07	14.01	52.07	28.86	3.72	0120-1L
3752.00	cut	Sh/Clst: m gy to drk gy	5.34	18.35	40.01	36.31	5.09	0126-1L
3794.00	cut	Sh/Clst: drk gy to brn blk	11.78	33.51	48.64	6.08	1.67	0133-1L
3857.00	cut	S/Sst : w to lt gy	13.55	36.08	45.73	4.65	0.25	0141-1L
3905.00	cut	S/Sst : w to lt gy	15.76	43.33	29.59	11.33	-	0149-1L
3923.00	cut	S/Sst : w to lt gy	15.29	39.37	39.48	5.86	-	0152-1L
3977.00	cut	Sh/Clst: drk gy to brn blk	8.88	25.81	46.74	18.57	2.19	0161-1L
4025.00	cut	Sh/Clst: drk gy	14.30	34.37	44.40	6.93	1.80	0169-1L

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
3350.00	cut	Sh/Clst: m gy to drk gy	8.1	6.1	4.2	0.6	0.5	0.8	4.8	1.3	0.91	0086-1L
3605.00	com	Composite sample - see table 4 e	7.8	16.9	14.1	1.1	0.2	1.5	15.2	1.7	1.45	0190-0B
3776.00	com	Composite sample - see table 4 e	7.1	5.9	3.8	0.5	0.8	0.8	4.3	1.6	1.91	0191-0B
3857.00	cut	bulk	5.7	1.0	0.3	0.2	0.2	0.3	0.5	0.5	0.26	0141-0B
3893.00	cut	bulk	6.4	1.3	0.2	0.2	0.3	0.6	0.4	0.9	0.20	0147-0B
3977.00	cut	Sh/Clst: drk gy to brn blk	2.7	7.2	4.7	1.2	0.2	1.1	5.9	1.3	2.09	0161-1L

Table 4 b: Concentration of EOM and Chromatographic Fraction (wt ppm rock) for well NOCS 34/2-4

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
3350.00	cut	Sh/Clst: m gy to drk gy	748	515	73	61	98	588	159	0086-1L
3605.00	com	Composite sample - see table 4 e	2172	1812	141	25	192	1953	218	0190-0B
3776.00	com	Composite sample - see table 4 e	828	533	70	112	112	603	224	0191-0B
3857.00	cut	bulk	174	52	34	34	52	87	87	0141-0B
3893.00	cut	bulk	201	31	31	46	93	62	139	0147-0B
3977.00	cut	Sh/Clst: drk gy to brn blk	2666	1740	444	74	407	2185	481	0161-1L

Table 4 c: Concentration of EOM and Chromatographic Fraction (mg/g TOC(e)) for well NOCS 34/2-4

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
3350.00	cut	Sh/Clst: m gy to drk gy	82.25	56.63	8.09	6.74	10.79	64.72	17.53	0086-1L
3605.00	com	Composite sample - see table 4 e	149.81	124.99	9.75	1.77	13.30	134.74	15.07	0190-0B
3776.00	com	Composite sample - see table 4 e	43.38	27.94	3.68	5.88	5.88	31.62	11.77	0191-0B
3857.00	cut	bulk	67.01	20.10	13.40	13.40	20.10	33.50	33.50	0141-0B
3893.00	cut	bulk	100.78	15.50	15.50	23.26	46.51	31.01	69.77	0147-0B
3977.00	cut	Sh/Clst: drk gy to brn blk	127.59	83.29	21.27	3.54	19.49	104.55	23.04	0161-1L

Table 4 d: Composition of material extracted from the rock (%) for well NOCS 34/2-4

Depth unit of measure: m

Depth	Typ	Lithology	Sat	Aro	Asph	NSO	HC	Non-HC	Sat	HC	Sample
			EOM	EOM	EOM	EOM	EOM	EOM	EOM	Aro	
3350.00	cut	Sh/Clst: m gy to drk gy	68.85	9.84	8.20	13.11	78.69	21.31	700.00	369.23	0086-1L
3605.00	com	Composite sample - see table 4 e	83.43	6.51	1.18	8.88	89.94	10.06	1281.82	894.12	0190-0B
3776.00	com	Composite sample - see table 4 e	64.41	8.47	13.56	13.56	72.88	27.12	760.00	268.75	0191-0B
3857.00	cut	bulk	30.00	20.00	20.00	30.00	50.00	50.00	150.00	100.00	0141-0B
3893.00	cut	bulk	15.38	15.38	23.08	46.15	30.77	69.23	100.00	44.44	0147-0B
3977.00	cut	Sh/Clst: drk gy to brn blk	65.28	16.67	2.78	15.28	81.94	18.06	391.67	453.85	0161-1L

Depth unit of measure: m

NOTE: Depths shown in tables 4 a to d correspond to the composite samples' lower depth.

<u>Upper depth</u>	<u>Lower depth</u>	<u>Typ</u>	<u>Sample</u>	<u>Depth</u>	<u>Typ</u>	<u>Lithology</u>	<u>Sample</u>
3593.00	3605.00	com	0190-0B is composed of:	3593.00	cut	Sh/Clst: m gy to drk gy to brn blk, calc, mic	0100-1L
				3605.00	cut	Sh/Clst: m gy to drk gy to brn blk, calc, mic	0102-1L
3734.00	3776.00	com	0191-0B is composed of:	3734.00	cut	Sh/Clst: m gy to drk gy to brn blk, mic, wx	0123-1L
				3752.00	cut	Sh/Clst: m gy to drk gy, mic, wx	0126-1L
				3776.00	cut	Sh/Clst: m gy to drk gy, mic, wx	0130-1L

Table 5 : Saturated Hydrocarbon Ratios for well NOCS 34/2-4

Depth unit of measure: m

Depth	Typ	Lithology	<u>Pristane</u> nC17	<u>Pristane</u> Phytane	<u>Pristane + Phytane</u> nC17 + nC18	<u>Phytane</u> nC18	CPI	Sample
3350.00	cut	Sh/Clst: m gy to drk gy	1.05	2.35	1.04	1.03	2.71	0086-1L
3605.00	com	bulk	0.78	2.28	0.85	1.07	0.69	0190-0B
3776.00	com	bulk	0.84	2.54	0.76	0.62	1.31	0191-0B
3857.00	cut	bulk	0.64	2.05	0.65	0.67	1.33	0141-0B
3893.00	cut	bulk	0.82	1.39	0.87	0.93	0.99	0147-0B
3977.00	cut	Sh/Clst: drk gy to brn blk	0.80	1.30	0.77	0.73	1.06	0161-1L

Table 6 : Aromatic Hydrocarbon Ratios for well NOCS 34/2-4

Depth unit of measure: m

Depth	Typ	Lithology	MNR	DMNR	BPhR	2/1MP	MPI1	MPI2	Rc	DBT/P	4/1MDBT	(3+2) /1MDBT	Sample
3350.00	cut	Sh/Clst: m gy to drk gy	1.01	1.13	0.47	0.85	0.57	0.62	0.74	0.33	11.93	1.01	0086-1L
3605.00	com	bulk	0.85	2.71	0.62	1.08	0.79	0.86	0.87	0.61	17.80	1.18	0190-0B
3776.00	com	bulk	0.94	1.40	0.16	1.11	0.69	0.77	0.81	0.29	6.16	1.30	0191-0B
3857.00	cut	bulk	-	-	-	1.14	0.78	0.86	0.87	-	-	-	0141-0B
3893.00	cut	bulk	-	-	-	1.05	0.85	0.94	0.91	-	-	-	0147-0B
3977.00	cut	Sh/Clst: drk gy to brn blk	1.20	1.35	0.18	0.70	0.81	0.63	0.89	0.63	12.52	1.16	0161-1L

Table 7 : Thermal Maturity Data for well NOCS 34/2-4

Depth unit of measure: m

Depth	Typ Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	T _{max} (°C)	Sample
860.00	cut bulk	NDP	-	-	-	-	-	0002-0B
1310.00	cut bulk	NDP	-	-	-	-	-	0017-0B
1550.00	cut bulk	0.22	4	0.05	-	-	-	0025-0B
1640.00	cut Sh/Clst: pl y brn to lt brn gy	-	-	-	-	3.5(?)	417	0028-1L
1730.00	cut bulk	0.38	5	0.02	-	-	-	0031-0B
1970.00	cut bulk	NDP	-	-	-	-	-	0039-0B
2240.00	cut bulk	NDP	-	-	-	-	-	0048-0B
2420.00	cut bulk	NDP	-	-	-	-	-	0054-0B
2600.00	cut bulk	0.71	2	0.01	-	-	-	0060-0B
2870.00	cut bulk	NDP	-	-	-	-	-	0069-0B
3050.00	cut bulk	0.67	5	0.05	-	-	-	0075-0B
3290.00	cut bulk	0.75	3	0.05	-	-	-	0083-0B
3587.00	cut Sh/Clst: drk gy to brn blk	-	-	-	-	6.5	441	0099-1L
3605.00	cut Sh/Clst: m gy to drk gy to brn blk	-	-	-	-	6.5-7.0(?)	438	0102-1L

Table 7 : Thermal Maturity Data for well NOCS 34/2-4

Depth unit of measure: m

Depth	Typ Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	T _{max} (°C)	Sample
3611.00	cut bulk	0.83	6	0.06	-	-	-	0103-0B
3716.00	cut Sh/Clst: m gy to drk gy to brn blk	-	-	-	-	6.5-7.0	448	0120-1L
3722.00	cut bulk	0.78	3	0.04	-	-	-	0121-0B
3752.00	cut Sh/Clst: m gy to drk gy	-	-	-	-	6.0-7.0	447	0126-1L
3941.00	cut bulk	0.87	5	0.10	-	-	-	0155-0B
3977.00	cut Sh/Clst: drk gy to brn blk	-	-	-	-	6.5-7.0	443	0161-1L
4025.00	cut Sh/Clst: drk gy	-	-	-	-	6.0-7.0	448	0169-1L
4097.00	cut bulk	0.66	13	0.05	-	-	-	0181-0B

Table 8 : Visual Kerogen Composition Data for well NOCS 34/2-4

Depth unit of measure: m

Depth	Typ	Lithology	L	A	L	S	C	D	I	S	I	M	S	V	C	V	A	Sample							
			I	m	i	p	u	R	A	A	B	N	F	e	n	c	B		I	T	e	l	D	r	t
			P	r	D	P	i	s	g	o	r	t	R	s	F	D	r	e	t	R	I	n	t	V	V
			T	e	o	c	i	a	f	i	t	L	T	i	u	e	n	o	I	%	n	n	t	V	V
			%	L	t	l	l	n	e	l	t	L	%	n	s	t	n	o	I	%	n	n	t	V	V
1640.00	cut	Sh/Clst: pl y brn to lt brn gy	60	*	**	*		**	*				5	*	*					35	*	*			0028-1L
3587.00	cut	Sh/Clst: drk gy to brn blk	10		**	**		*	*				45	*	*	*				45	*	**			0099-1L
3605.00	cut	Sh/Clst: m gy to drk gy to brn blk	5		**	**		*	*				45	*	*	*				50	*	**			0102-1L
3716.00	cut	Sh/Clst: m gy to drk gy to brn blk	50	*	**	*		**	*				15	*	**					35	*	**			0120-1L
3752.00	cut	Sh/Clst: m gy to drk gy	50		*	**	*	**	*				15	*						35	**	*	*		0126-1L
3977.00	cut	Sh/Clst: drk gy to brn blk	30	*	*	**	*	**	*				20	*	**					50	*	*	**		0161-1L
4025.00	cut	Sh/Clst: drk gy	5		*	**	*	**	*				45	**	*					50	**	*	*		0169-1L

Table 10A: Variation in Triterpane Distribution (peak height) for Well NOCS 34/2-4

Depth unit of measure: m

Depth	Lithology	B/A	B/B+A	B		C/E	C/C+E	X/E	Z/E	Z/C	Z/Z+E	Q/E	E/E+F	C+D		J1		Sample
				B+E+F										C+D+E+F	D+F/C+E	J1+J2%		
3776.00	Sh/Clst	1.58	0.61	0.19		0.62	0.38	0.03	0.02	0.03	0.02	0.03	0.87	0.39	0.16	58.95		0191-0
3893.00	bulk	1.55	0.61	0.15		0.62	0.38	0.03	0.04	0.06	0.04	0.12	0.87	0.38	0.15	59.30		0147-0
3977.00	Sh/Clst	1.11	0.53	0.16		0.62	0.38	0.02	0.01	0.01	0.01	0.05	0.88	0.39	0.15	59.90		0161-1

Table 10B: Variation in Sterane Distribution (peak height) for Well NOCS 34/2-4

Depth unit of measure: m

Depth	Lithology	Ratio1	Ratio2	Ratio3	Ratio4	Ratio5	Ratio6	Ratio7	Ratio8	Ratio9	Ratio10	Sample
3776.00	Sh/Clst	0.58	42.10	57.60	0.84	0.62	0.32	0.25	0.40	0.73	1.17	0191-0
3893.00	bulk	0.53	37.04	61.39	0.83	0.68	0.36	0.28	0.44	0.59	1.26	0147-0
3977.00	Sh/Clst	0.57	38.53	51.31	1.06	0.58	0.68	0.60	0.35	0.63	0.86	0161-1

Ratio1: $a / a + j$
 Ratio2: $q / q + t * 100\%$
 Ratio3: $2(r + s) / (q + t + 2(r + s)) * 100\%$
 Ratio4: $a + b + c + d / h + k + l + n$
 Ratio5: $r + s / r + s + q$

Ratio6: $u + v / u + v + q + r + s + t$
 Ratio7: $u + v / u + v + i + m + n + q + r + s + t$
 Ratio8: $r + s / q + r + s + t$
 Ratio9: q / t
 Ratio10: $r + s / t$

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>
3776.00	Sh/Clst	0.46	0.46	0.24	0.22	0.31	0191-0
3893.00	bulk	0.51	0.41	0.21	0.23	0.34	0147-0
3977.00	Sh/Clst	-	-	-	-	-	0161-1

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: $a1 / a1 + d1$

Table 10D: Variation in Monoaromatic Sterane Distribution for Well NOCS 34/2-4

Depth unit of measure: m

<u>Depth</u>	<u>Lithology</u>	<u>Ratio1</u>	<u>Ratio2</u>	<u>Ratio3</u>	<u>Ratio4</u>	<u>Sample</u>
3776.00	Sh/Clst	0.37	0.27	0.24	0.22	0191-0
3893.00	bulk	0.60	0.32	0.46	0.41	0147-0
3977.00	Sh/Clst	0.90	0.61	0.83	0.77	0161-1

Ratio1: A1 / A1 + E1
 Ratio2: B1 / B1 + E1

Ratio3: A1 / A1 + E1 + G1
 Ratio4: A1+B1 / A1+B1+C1+D1+E1+F1+G1+H1+I1

Depth unit of measure: m

<u>Depth</u>	<u>Lithology</u>	<u>Ratio1</u>	<u>Ratio2</u>	<u>Sample</u>
3776.00	Sh/Clst	0.36	0.94	0191-0
3893.00	bulk	0.20	0.97	0147-0
3977.00	Sh/Clst	1.00	-	0161-1

$$\text{Ratio1: } \frac{\text{C1+D1+E1+F1+G1+H1+I1}}{\text{C1+D1+E1+F1+G1+H1+I1} + \text{c1+d1+e1+f1+g1}}$$

$$\text{Ratio2: } \text{g1} / \text{g1} + \text{I1}$$

Table 10F: Raw GCMS triterpane data (peak height) for Well NOCS 34/2-4

Depth unit of measure: m

Depth	Lithology	p	q	r	s	t	a	b	z	c	Sample
		x	d	e	f	g	h	i	j1		
		j2	k1	k2	l1	l2	m1	m2			
3776.00	Sh/Clst	76.11	36.61	15.46	95.70	9.24	182.00	287.51	23.23	680.54	0191-0
		38.16	118.40	1091.81	168.94	342.65	240.28	69.64	162.82		
		113.40	78.07	50.42	38.45	23.53	17.14	11.29			
3893.00	bulk	83.88	39.10	19.96	26.25	9.95	43.48	67.22	12.29	204.36	0147-0
		10.29	29.92	332.03	50.14	92.94	111.56	15.22	52.25		
		35.86	37.71	24.47	18.76	13.78	11.93	9.07			
3977.00	Sh/Clst	30.52	15.56	4.35	26.50	1.99	67.27	74.37	3.06	207.44	0161-1
		8.20	35.23	332.72	45.20	77.04	52.90	12.96	36.51		
		24.44	15.30	9.17	6.06	3.12	2.84	1.68			

Table 10G: Raw GCMS sterane data (peak height) for Well NOCS 34/2-4

Depth unit of measure: m

Depth	Lithology	u	v	a	b	c	d	e	f	g	Sample
		h	i	j	k	l	m	n	o		
		p	q	r	s	t					
3776.00	Sh/Clst	39.40	10.66	33.26	20.53	6.34	10.76	16.76	9.08	17.68	0191-0
		35.62	17.91	23.92	25.60	9.03	8.76	13.85	15.75		
		16.42	26.71	25.22	17.88	36.74					
3893.00	bulk	33.85	13.11	26.76	16.43	5.40	7.00	11.80	9.56	17.34	0147-0
		32.41	17.73	23.63	16.26	5.36	6.81	12.97	13.78		
		13.89	17.32	21.83	15.34	29.44					
3977.00	Sh/Clst	34.79	8.26	6.61	3.95	1.59	3.23	3.39	2.32	3.51	0161-1
		6.32	3.75	5.06	3.97	1.52	2.07	2.75	2.57		
		3.03	5.09	4.16	2.80	8.12					

Table 10H: Raw GCMS trioaromatic sterane data (peak height) for Well NOCS 34/2-4

Depth unit of measure: m

Depth	Lithology	a1	b1	c1	d1	e1	f1	g1	Sample
3776.00	Sh/Clst	483.19	487.13	318.56	1085.49	586.40	567.93	562.27	0191-0
3893.00	bulk	30.34	19.97	28.74	59.98	46.41	27.32	28.84	0147-0
3977.00	Sh/Clst	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0161-1

Depth unit of measure: m

Depth	Lithology	a1	b1	c1	d1	e1	f1	g1	h1	i1	Sample
3776.00	Sh/Clst	288.97	182.62	274.26	211.56	490.19	74.04	445.30	186.86	38.99	0191-0
3893.00	bulk	26.06	8.33	5.57	4.96	17.54	1.00	13.10	5.66	0.87	0147-0
3977.00	Sh/Clst	69.59	12.01	2.48	2.08	7.61	1.85	6.79	2.85	0.84	0161-1