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Table 2 : Lithology description for well NOCS 2/5-10

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
810.00						0009
			85	Ca : w, chk		0009-2L
			15	Sh/Clst: ol gy, gn gy, red brn		0009-1L
900.00						0010
			85	Sh/Clst: ol gy, gn gy, red brn		0010-1L
			15	Other : fos		0010-2L
1000.00						0011
			90	Sh/Clst: dsk y brn		0011-1L
			10	S/Sst : v col, l		0011-2L
1100.00						0012
			90	Sh/Clst: dsk y brn		0012-1L
			10	S/Sst : v col, l		0012-2L
1200.00						0013
			100	Sh/Clst: dsk y brn		0013-1L
1300.00						0014
			90	Sh/Clst: drk gy to dsk y brn		0014-1L
			10	S/Sst : v col, l		0014-2L

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Table 2 : Lithology description for well NOCS 2/5-10

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1400.00						0015
			100	Sh/Clst: drk gy to dsk y brn tr S/Sst : v col, l		0015-1L 0015-2L
1500.00						0016
			100	Sh/Clst: ol gy to drk gy tr S/Sst : v col, l		0016-1L 0016-2L
1600.00						0017
			100	Sh/Clst: ol gy to drk gy tr Other : fos tr Ca : pl y brn, dol		0017-1L 0017-2L 0017-3L
1700.00						0018
			100	Sh/Clst: gn gy to ol gy		0018-1L
1800.00						0019
			100	Sh/Clst: gn gy to ol gy		0019-1L
1900.00						0020
			100	Sh/Clst: gn gy to ol gy		0020-1L
2000.00						0021
			100	Sh/Clst: gn gy to ol gy to dsk y brn		0021-1L

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Table 2 : Lithology description for well NOCS 2/5-10

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2100.00						0022
		3.39	100	Sh/Clst: ol gy to dsk y brn		0022-1L
2200.00						0023
			100	Sh/Clst: ol gy to dsk y brn		0023-1L
2300.00						0024
		1.18	100	Sh/Clst: ol gy to dsk y brn tr Ca : drk y brn, dol		0024-1L 0024-2L
2400.00						0025
			100	Sh/Clst: ol gy		0025-1L
2500.00						0026
		0.90	90	Sh/Clst: ol gy		0026-1L
			10	Ca : lt gy to pl y brn		0026-2L
2600.00						0027
			90	Sh/Clst: ol gy		0027-1L
			10	Ca : lt gy to pl y brn		0027-2L
2700.00						0028
		0.93	90	Sh/Clst: ol gy		0028-1L
			10	Ca : lt gy to pl y brn		0028-2L

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Table 2 : Lithology description for well NOCS 2/5-10

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2800.00						0029
			95	Sh/Clst:	gn gy to ol gy	0029-1L
			5	Ca	: lt gy to pl y brn	0029-2L
2900.00						0030
		0.18	100	Sh/Clst:	gn gy to ol gy	0030-1L
3000.00						0031
			100	Sh/Clst:	gn gy to ol gy	0031-1L
3100.00						0032
		1.06	95	Sh/Clst:	gn gy to ol gy	0032-1L
			5	Sh/Clst:	red brn	0032-2L
3200.00						0033
			50	Ca	: lt gy	0033-3L
			25	Sh/Clst:	drk y brn	0033-1L
			25	Sh/Clst:	lt gy to lt brn gy	0033-2L
3300.00						0034
	cvd	0.27	75	Ca	: w, chk	0034-1L
			25	Sh/Clst:	brn gy, gn gy	0034-2L
3320.00						0035
	cvd		85	Ca	: w, chk	0035-1L
			15	Sh/Clst:	brn gy, gn gy	0035-2L

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Table 2 : Lithology description for well NOCS 2/5-10

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3330.00						0036
	cvd		85	Ca : w, chk		0036-1L
			15	Sh/Clst: brn gy, gn gy		0036-2L
3332.00						0001
	cvd	0.06	50	Ca : w, chk		0001-1L
			50	Sh/Clst: gn gy to m gy, calc		0001-2L
3338.00						0002
	cvd	0.01	75	Ca : w, chk		0002-1L
			25	Sh/Clst: gn gy to m gy, calc		0002-2L
3340.00						0037
	cvd		85	Ca : w, chk		0037-1L
			15	Sh/Clst: brn gy, gn gy		0037-2L
3344.00						0003
	cvd	0.02	90	Ca : w, chk		0003-1L
			10	Sh/Clst: gn gy to m gy, calc		0003-2L
3347.00						0004
	cvd	0.02	90	Ca : w, chk		0004-1L
			10	Sh/Clst: gn gy to m gy, gy red, calc		0004-2L
3359.00						0005
	cvd	0.01	95	Ca : w, chk		0005-1L
			5	Sh/Clst: gn gy to m gy, gy red, calc		0005-2L

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Table 2 : Lithology description for well NOCS 2/5-10

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3360.00						0038
	cvd		90 Ca	: w, chk		0038-1L
			10 Sh/Clst:	brn gy, gn gy		0038-2L
3390.00						0039
	cvd		95 Ca	: w, chk		0039-1L
			5 Sh/Clst:	brn gy, gn gy		0039-2L
3400.00						0040
	cvd		100 Ca	: w, chk		0040-1L
			tr Sh/Clst:	brn gy, gn gy		0040-2L
3500.00						0041
	cvd	0.01	100 Ca	: w, chk		0041-1L
			tr Sh/Clst:	brn gy, gn gy		0041-2L
3600.00						0042
	cvd		100 Ca	: w, chk		0042-1L
			tr Sh/Clst:	brn gy, gn gy		0042-2L
3700.00						0043
		0.06	100 Ca	: w to lt gy, chk		0043-1L
3800.00						0044
			100 Ca	: w to lt gy, chk		0044-1L

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Table 2 : Lithology description for well NOCS 2/5-10

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology	description	
3900.00						0045
		0.14	100 Ca		: w to lt gy, chk	0045-1L
4000.00						0046
			100 Ca		: w to lt gy, chk	0046-1L
4110.00						0047
		0.05	100 Ca		: w to lt gy, chk	0047-1L
4200.00						0048
			100 Ca		: w to lt gy, chk	0048-1L
4301.00						0049
		4.62	100 Sh/Clst:	brn blk		0049-1L
			tr Cont	: prp		0049-2L
4352.00						0050
		6.02	90 Sh/Clst:	brn blk		0050-1L
			5 Ca	: w to lt gy, chk		0050-2L
			5 Cont	: prp		0050-3L
4400.00						0051
			95 Cont	: bar		0051-2L
			5 Sh/Clst:	brn blk		0051-1L

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Table 2 : Lithology description for well NOCS 2/5-10

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
4451.00						0052
		1.25	80	Cont : bar		0052-2L
			20	Sh/Clst: brn blk		0052-1L
4502.00						0053
		2.49	80	Cont : bar		0053-2L
			20	Sh/Clst: brn blk		0053-1L
4572.00						0054
			100	Cont : bar		0054-2L
			tr	Sh/Clst: brn blk		0054-1L
4575.40	ccp					0007
		0.31	100	S/Sst : lt gy, f, cem		0007-1L
4577.55	ccp					0008
		0.04	100	S/Sst : lt gy, f, cem, kln		0008-1L

Table 3 : Rock-Eval table for well NOCS 2/5-10

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
2100.00	cut	Sh/Clst: ol gy to dsk y brn	0.18	8.05	1.02	7.89	3.39	237	30	8.2	0.02	428	0022-1L
2300.00	cut	Sh/Clst: ol gy to dsk y brn	0.03	1.85	0.66	2.80	1.18	157	56	1.9	0.02	430	0024-1L
2500.00	cut	Sh/Clst: ol gy	0.09	2.74	0.61	4.49	0.90	304	68	2.8	0.03	432	0026-1L
2700.00	cut	Sh/Clst: ol gy	0.10	3.95	1.11	3.56	0.93	425	119	4.1	0.02	440	0028-1L
2900.00	cut	Sh/Clst: gn gy to ol gy	0.01	0.35	0.48	0.73	0.18	194	267	0.4	0.03	430	0030-1L
3100.00	cut	Sh/Clst: gn gy to ol gy	0.28	2.36	0.79	2.99	1.06	223	75	2.6	0.11	437	0032-1L
3300.00	cut	Ca : w	0.07	0.15	1.23	0.12	0.27	56	456	0.2	0.32	405	0034-1L
3332.00	cut	Ca : w	0.03	0.09	1.25	0.07	0.06	150	2083	0.1	0.25	418	0001-1L
3338.00	cut	Ca : w	0.05	0.08	1.03	0.08	0.01	800	10300	0.1	0.38	370	0002-1L
3344.00	cut	Ca : w	0.06	0.08	0.76	0.11	0.02	400	3800	0.1	0.43	359	0003-1L
3347.00	cut	Ca : w	0.05	0.09	0.77	0.12	0.02	450	3850	0.1	0.36	358	0004-1L
3359.00	cut	Ca : w	0.06	0.08	0.59	0.14	0.01	800	5900	0.1	0.43	346	0005-1L
3500.00	cut	Ca : w	0.01	-	0.34	-	0.01	-	3400	-	1.00	-	0041-1L
3700.00	cut	Ca : w to lt gy	0.10	0.02	0.69	0.03	0.06	33	1150	0.1	0.83	-	0043-1L
3900.00	cut	Ca : w to lt gy	0.06	0.07	0.73	0.10	0.14	50	521	0.1	0.46	409	0045-1L

Table 3 : Rock-Eval table for well NOCS 2/5-10

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
4110.00	cut	Ca : w to lt gy	0.02	-	0.33	-	0.05	-	660	-	1.00	-	0047-1L
4301.00	cut	Sh/Clst: brn blk	6.91	11.23	0.46	24.41	4.62	243	10	18.1	0.38	441	0049-1L
4352.00	cut	Sh/Clst: brn blk	5.52	8.51	0.49	17.37	6.02	141	8	14.0	0.39	441	0050-1L
4451.00	cut	Sh/Clst: brn blk	1.92	2.88	0.66	4.36	1.25	230	53	4.8	0.40	444	0052-1L
4502.00	cut	Sh/Clst: brn blk	2.53	4.54	0.67	6.78	2.49	182	27	7.1	0.36	448	0053-1L
4575.40	ccp	S/Sst : lt gy	1.59	0.44	0.22	2.00	0.31	142	71	2.0	0.78	411	0007-1L
4577.55	ccp	S/Sst : lt gy	0.06	0.22	0.29	0.76	0.04	550	725	0.3	0.21	578	0008-1L

Table 4 : Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 2/5-10

Depth unit of measure: m

Depth	Typ	Lithology	C1	C2-C5	C6-C14	C15+	S2 from Rock-Eval	Sample
3100.00	cut	Sh/Clst: gn gy to ol gy	10.78	11.82	43.72	33.67	2.36	0032-1L
3338.00	cut	Ca : w	15.97	19.93	56.81	7.29	0.08	0002-1L
3344.00	cut	Ca : w	15.53	26.40	53.62	4.45	0.08	0003-1L
3347.00	cut	Ca : w	19.78	16.56	58.28	5.38	0.09	0004-1L
3700.00	cut	Ca : w to lt gy	35.64	17.43	45.39	1.54	0.02	0043-1L
4301.00	cut	Sh/Clst: brn blk	4.68	12.86	38.70	43.76	11.23	0049-1L
4575.40	ccp	S/Sst : lt gy	4.25	7.99	15.79	71.97	0.44	0007-1L

Table 5 a: Weight of EOM and Chromatographic Fraction for well NOCS 2/5-10

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
4301.00	cut	Sh/Clst: brn blk	8.5	82.8	49.9	8.2	8.0	16.8	58.1	24.7	4.86	0049-1L
4575.40	ccp	S/Sst : lt gy	5.5	15.7	10.7	2.9	0.4	1.8	13.6	2.2	0.42	0007-1L

Table 5 b: Concentration of EOM and Chromatographic Fraction (wt ppm rock) for well NOCS 2/5-10

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
4301.00	cut	Sh/Clst: brn blk	9717	5854	960	936	1965	6814	2902	0049-1L
4575.40	ccp	S/Sst : lt gy	2865	1952	520	65	326	2473	391	0007-1L

Table 5 c: Concentration of EOM and Chromatographic Fraction (mg/g TOC(e)) for well NOCS 2/5-10

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
4301.00	cut	Sh/Clst: brn blk	199.94	120.46	19.76	19.27	40.45	140.22	59.72	0049-1L
4575.40	ccp	S/Sst : lt gy	682.19	464.91	124.04	15.61	77.63	588.95	93.24	0007-1L

Table 5 d: Composition of material extracted from the rock (%) for well NOCS 2/5-10

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	
4301.00	cut	Sh/Clst: brn blk	60.25	9.88	9.64	20.23	70.13	29.87	609.78	234.78	0049-1L
4575.40	ccp	S/Sst : lt gy	68.15	18.18	2.29	11.38	86.33	13.67	374.83	631.63	0007-1L

Table 6: Saturated Hydrocarbon Ratios for well NOCS 2/5-10

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	
4301.00	cut	Sh/Clst: brn blk	0.49	1.36	1.16	0.42	1.10	0.84	0049-1L
4575.40	ccp	S/Sst : lt gy	0.42	0.96	1.32	0.31	1.09	0.57	0007-1L

Table 7a: Aromatic Hydrocarbon Ratios for well NOCS 2/5-10

Depth unit of measure: m

Depth	Typ	Lithology	MNR	DMNR	BPhR	2/1MP	MPI1	MPI2	Rc	DBT/P	4/1MDBT	(3+2) /1MDBT	Sample
4301.00	cut	Sh/Clst: brn blk	1.12	1.26	0.21	0.88	0.75	0.78	0.85	0.18	43.24	1.46	0049-1L
4575.40	ccp	S/Sst : lt gy	1.28	3.28	0.23	1.07	0.93	1.02	0.96	-	-	-	0007-1L



Table 7b: Aromatic Hydrocarbon Ratios for well NOCS 2/5-10

Depth unit of measure: m

Depth	Typ	Lithology	F1	F2	Sample
4301.00	cut	Sh/Clst: brn blk	0.44	0.23	0049-1L
4575.40	ccp	S/Sst : lt gy	0.47	0.26	0007-1L



Depth unit of measure: m

Depth	Typ	Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	T _{max} (°C)	Sample
1000.00	cut	Sh/Clst: dsk y brn	0.22	6	0.03	-	-	-	0011-1L
1100.00	cut	Sh/Clst: dsk y brn	0.24	7	0.03	-	-	-	0012-1L
1200.00	cut	Sh/Clst: dsk y brn	0.32	4	0.01	-	-	-	0013-1L
1300.00	cut	Sh/Clst: drk gy to dsk y brn	0.28	5	0.05	-	-	-	0014-1L
1400.00	cut	Sh/Clst: drk gy to dsk y brn	0.23	4	0.04	-	-	-	0015-1L
1500.00	cut	Sh/Clst: ol gy to drk gy	0.37	1	0.00	-	-	-	0016-1L
1600.00	cut	Sh/Clst: ol gy to drk gy	NDP	-	-	-	-	-	0017-1L
1700.00	cut	Sh/Clst: gn gy to ol gy	0.39	7	0.03	-	-	-	0018-1L
1800.00	cut	Sh/Clst: gn gy to ol gy	NDP	-	-	-	-	-	0019-1L
1900.00	cut	Sh/Clst: gn gy to ol gy	0.37	3	0.02	-	-	-	0020-1L
2000.00	cut	Sh/Clst: gn gy to ol gy to dsk y brn	0.38	4	0.03	-	-	-	0021-1L
2100.00	cut	Sh/Clst: ol gy to dsk y brn	0.31	14	0.03	-	4.0-4.5(??)	428	0022-1L
2200.00	cut	Sh/Clst: ol gy to dsk y brn	0.34	6	0.04	-	-	-	0023-1L

Table 8 : Thermal Maturity Data for well NOCS 2/5-10

Depth unit of measure: m

Depth	Typ Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	T _{max} (°C)	Sample
2300.00	cut Sh/Clst: ol gy to dsk y brn	0.39	5	0.05	-	5.0(?)	430	0024-1L
2400.00	cut Sh/Clst: ol gy	0.34	3	0.05	-	-	-	0025-1L
2500.00	cut Sh/Clst: ol gy	0.35	10	0.03	-	-	432	0026-1L
2600.00	cut Sh/Clst: ol gy	0.43	16	0.06	-	-	-	0027-1L
2700.00	cut Sh/Clst: ol gy	0.36	13	0.04	-	6.0	440	0028-1L
2800.00	cut Sh/Clst: gn gy to ol gy	0.46	19	0.05	-	-	-	0029-1L
2900.00	cut Sh/Clst: gn gy to ol gy	0.50	3	0.02	-	-	430	0030-1L
3000.00	cut Sh/Clst: gn gy to ol gy	NDP	-	-	-	-	-	0031-1L
3100.00	cut Sh/Clst: gn gy to ol gy	0.49	5	0.03	-	5.5-6.0	437	0032-1L
3200.00	cut Sh/Clst: drk y brn	0.56	3	0.03	-	-	-	0033-1L
3300.00	cut Ca : w	NDP	-	-	-	-	405	0034-1L
3400.00	cut Ca : w	NDP	-	-	-	-	-	0040-1L
3500.00	cut Ca : w	NDP	-	-	-	-	-	0041-1L
3600.00	cut Ca : w	NDP	-	-	-	-	-	0042-1L

Table 8 : Thermal Maturity Data for well NOCS 2/5-10

Depth unit of measure: m

Depth	Typ	Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	T _{max} (°C)	Sample
3700.00	cut Ca	: w to lt gy	NDP	-	-	-	-	-	0043-1L
3800.00	cut Ca	: w to lt gy	NDP	-	-	-	-	-	0044-1L
3900.00	cut Ca	: w to lt gy	NDP	-	-	-	-	409	0045-1L
4000.00	cut Ca	: w to lt gy	NDP	-	-	-	-	-	0046-1L
4110.00	cut Ca	: w to lt gy	NDP	-	-	-	-	-	0047-1L
4200.00	cut Ca	: w to lt gy	NDP	-	-	-	-	-	0048-1L
4301.00	cut Sh/Clst:	brn blk	NDP	-	-	-	8.5(?)	441	0049-1L

Table 9 : Visual Kerogen Composition Data for well NOCS 2/5-10

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	i	A	B	N	F	e	n	i		c	B	I	T	e	l	t	o
			P	r	D	P	i	s	g	o	r	t	R	s	F	D	r	e	t	R	l	i	e	r	t	
			T	r	D	P	i	s	g	o	r	t	R	s	F	D	r	e	t	R	l	i	e	r	t	
			%	L	t	l	l	n	e	l	t	L	%	n	s	t	n	o	I	%	n	n	t	V	V	
2100.00	cut	Sh/Clst: ol gy to dsk y brn	95	**	*	*		*	*			5		*					TR		*					0022-1L
2300.00	cut	Sh/Clst: ol gy to dsk y brn	90	**	*	*		*	*			10		*					TR		*					0024-1L
2700.00	cut	Sh/Clst: ol gy	85	**	*	*		*	*			10		*					5		*					0028-1L
3100.00	cut	Sh/Clst: gn gy to ol gy	90	**	*	*		*	*			5		*	**				5	*	*	**				0032-1L
4301.00	cut	Sh/Clst: brn blk	95	**		*		*				5		*					TR		*					0049-1L

Table 10A: Tabulation of carbon isotope data for EOM/EOM - fractions for well NOCS 2/5-10

Depth unit of measure: m

<u>Depth</u>	<u>Typ</u>	<u>Lithology</u>	<u>EOM</u>	<u>Saturated</u>	<u>Aromatic</u>	<u>NSO</u>	<u>Asphaltenes</u>	<u>Kerogen</u>	<u>Sample</u>
4301.00	cut	Sh/Clst	-28.57	-29.48	-28.02	-27.85	-27.87	-	0049-1
4575.40	ccp	S/Sst	-27.21	-27.76	-25.98	-26.44	-25.70	-	0007-1

Table 10B: Tabulation of cv values from carbon isotope data for well NOCS 2/5-10

Depth unit of measure: m

<u>Depth</u>	<u>Typ</u>	<u>Lithology</u>	<u>Saturated</u>	<u>Aromatic</u>	<u>cv value</u>	<u>Interpretation</u>	<u>Sample</u>
4301.00	cut	Sh/Clst	-29.48	-28.02	0.73	Terrigenous	0049-1
4575.40	ccp	S/Sst	-27.76	-25.98	0.91	Terrigenous	0007-1

Table 11A: Variation in Triterpane Distribution (peak height) SIR for Well NOCS 2/5-10

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
4301.00	Sh/Clst	0.20	0.17	0.08	0.32	0.24	0.45	0.10	0.31	0.09	0.10	0.91	0.26	0.12	61.06	0049-1
4575.40	S/Sst	0.19	0.16	0.20	0.74	0.43	2.40	0.95	1.28	0.49	0.66	0.82	0.46	0.29	65.74	0007-1

List of Triterpane Distribution Ratios

Ratio 1: B / A

Ratio 2: $B / B+A$

Ratio 3: $B / B+E+F$

Ratio 4: C / E

Ratio 5: $C / C+E$

Ratio 6: X / E

Ratio 7: Z / E

Ratio 8: Z / C

Ratio 9: $Z / Z+E$

Ratio 10: Q / E

Ratio 11: $E / E+F$

Ratio 12: $C+D / C+D+E+F$

Ratio 13: $D+F / C+E$

Ratio 14: $J1 / J1+J2 (\%)$

Table 11B: Variation in Sterane Distribution (peak height) SIR for Well NOCS 2/5-10

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>
4301.00	Sh/Clst	0.87	52.21	79.53	1.40	0.79	0.27	0.17	0.66	1.09	4.06	0049-1
4575.40	S/Sst	0.74	48.83	76.83	1.75	0.77	0.25	0.18	0.62	0.95	3.24	0007-1

List of Sterane Distribution Ratios

Ratio 1: $a / a+j$

Ratio 2: $q / q+t$ (%)

Ratio 3: $2*(r+s) / (q+t + 2*(r+s))$ (%)

Ratio 4: $a+b+c+d / h+k+l+n$

Ratio 5: $r+s / r+s+q$

Ratio 6: $u+v / u+v+q+r+s+t$

Ratio 7: $u+v / u+v+i+m+n+q+r+s+t$

Ratio 8: $r+s / q+r+s+t$

Ratio 9: q / t

Ratio 10: $r+s / t$

Table 11C: Variation in Triaromatic Sterane Distribution (peak height) for Well NOCS 2/5-10

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>
4301.00	Sh/Clst	0.83	0.83	0.63	0.62	0.72	0049-1
4575.40	S/Sst	1.00	1.00	1.00	1.00	1.00	0007-1

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 11D: Variation in Monoaromatic Sterane Distribution (peak height) for Well NOCS 2/5-10

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>
4301.00	Sh/Clst	0.43	0.35	0.30	0.23	0049-1
4575.40	S/Sst	1.00	1.00	1.00	1.00	0007-1

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



Table 11E: Aromatisation of Steranes (peak height) for Well NOCS 2/5-10

Depth unit of measure: m

<u>Depth</u>	<u>Lithology</u>	<u>Ratio1</u>	<u>Ratio2</u>	<u>Sample</u>
4301.00	Sh/Clst	0.24	0.92	0049-1
4575.40	S/Sst	-	-	0007-1

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

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

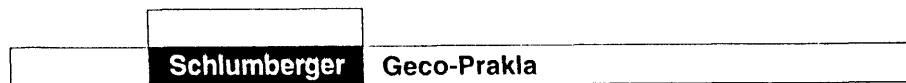


Table 11F: Raw triterpane data (peak height) m/z 191 SIR for Well NOCS 2/5-10

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				
4301.00	Sh/Clst	348356.8	237111.7	141252.9	227153.0	102405.0	1106904.0	223343.7	229592.6	746350.1	0049-1
		1051590.0	152588.9	2334738.0	219723.0	1280086.0	939045.4	234451.5	1248012.0	796053.2	
		927816.7	581882.9	570781.1	345501.8	457191.0	319453.9				
4575.40	S/Sst	313006.2	207052.8	94945.3	98496.3	80998.5	519474.8	97827.4	300557.0	234048.8	0007-1
		756458.3	89688.0	315297.0	69908.1	165696.8	169663.5	179079.7	174537.1	90966.7	
		193006.4	66851.2	97630.9	0.0	0.0	0.0				

Table 11G: Raw sterane data (peak height) m/z 217 SIR for Well NOCS 2/5-10

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					
4301.00	Sh/Clst	322765.7	129792.1	1177429.0	777739.4	381426.7	373209.9	642829.8	400321.4	251893.8	0049-1
		792977.8	466131.4	182139.0	586154.0	234528.3	146041.2	321630.5	421640.1		
		98945.2	220942.1	441918.0	379942.8	202218.7					
4575.40	S/Sst	153728.5	56409.1	842178.6	534292.3	269185.3	268923.6	397726.7	232762.7	159371.2	0007-1
		339888.3	134148.2	297009.0	459970.8	199984.4	94294.3	94281.0	191189.1		
		38886.5	115218.6	222345.6	168946.2	120750.1					

Table 11H: Raw triaromatic sterane data (peak height) m/z 231 for Well NOCS 2/5-10

Depth unit of measure: m

Depth	Lithology	a1	b1	c1	d1	e1	f1	g1	Sample
4301.00	Sh/Clst	417747.0	412215.1	64412.6	160972.8	87679.7	84169.2	85470.3	0049-1
4575.40	S/Sst	15953.3	23447.0	0.0	0.0	0.0	0.0	0.0	0007-1

Table 11I: Raw monoaromatic sterane data (peak height) m/z 253 for Well NOCS 2/5-10

Depth unit of measure: m

Depth	Lithology	A1	B1	C1	D1	E1	F1	G1	H1	I1	Sample
4301.00	Sh/Clst	27073.5	18676.1	23285.4	18779.7	35204.9	19045.8	27784.9	22719.6	7383.0	0049-1
4575.40	S/Sst	5967.7	4697.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0007-1

Table 12: GSA (Sulphur Data) for Well NOCS 2/5-10						
Depth	Lithology	SS1 mg	SS2 mg	Tmax(S) °C	SS3 mg	S(total) mg
4301	Sst	0.00	0.14	390	6.76	6.90



Table 13.

WATER ANALYSIS

Date sampled : - **Sampled from :** 2/5-10 4594.3 m
Date received : 07.03.94
Date analyzed : 11.03.94 **Analysis no.:** 244 **Analyst :** EBB
Density : 1.0261 g/cm³ @ 15 °C **Total suspended solids :** 2086 mg/l
Resistivity : 0.2119 ohm-m @ 20 °C **Total dissolved solids :** 31426.6 mg/l
ph : 6.7 @ 20 °C

	mg/l	meq/l		mg/l	meq/l
Sodium	7220	314	Chloride	18000	507
Potassium	2565	66	Bicarbonate	1076	18
Calcium	1270	63	Sulfate	1200	25
Magnesium	41	3	Carbonate	-	
Strontium	49	1	Hydroxide	-	
Barium	0.6				
Iron	5.0				

Remarks: The sample was filtered through a 0.45 micron filter prior to dilution and cation analysis using ICP AES. pH and bicarbonate were determined on untreated sample. The high potassium indicates mud filtrate.

