

Table 1 : C1 to C7 hydrocarbons in HEADSPACE and CUTTINGS gas (µl gas/kg rock) **GEO LAB NOR**

Project: NOCS 25/8-9

Well: NOCS 25/8-9A

Depth unit of measure: m \* Indicated values in ml gas/kg rock

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4 --- nC4
1140.00	4849	4	3		1	4	4857	8	0.2	0.39
1180.00	386	4	3			1	393	7	1.8	0.29
1220.00	4552	14	11			1	4577	25	0.5	0.39
1260.00	11160	7	5			1	11172	13	0.1	0.32
1300.00	9669	5	1			4	9676	7	0.1	0.27
1340.00	35167	15	6			1	35188	21	0.1	0.23
1380.00	5296	7	2	-	-		5305	9	0.2	-
1420.00	1893	8	4			4	1905	12	0.6	0.32
1460.00	1073	7	3	1	1	6	1085	13	1.2	0.86
1500.00	2976	28	9	3		5	3016	40	1.3	9.39
1540.00	2172	28	10	4		5	2213	41	1.9	19.23
1580.00	3463	48	18	6	6	8	3541	78	2.2	1.12
1620.00	25	2	1			5	29	3	12.2	0.71
1660.00	56	4	5	3	3	8	72	16	22.0	1.22
1700.00	43	2	2		1	5	49	6	11.4	0.15
1740.00	1794	26	6	3	1	6	1829	35	1.9	3.51
1780.00	3858	75	15	6	2	7	3956	98	2.5	3.58
1820.00	2239	58	13	6	2	3	2319	80	3.5	2.69
1860.00	3851	97	16	6	2	12	3972	121	3.0	3.95
1900.00	7327	210	39	14	3	11	7594	267	3.5	4.11
1940.00	4134	108	34	11	4	8	4291	157	3.7	3.15
1980.00	5481	123	39	12	5	6	5660	178	3.2	2.43
2020.00	3821	168	68	19	8	8	4083	262	6.4	2.43
2060.00	4855	153	70	18	12	4	5108	253	5.0	1.54
2100.00	2366	84	38	10	5	5	2503	137	5.5	1.82
2140.00	4989	142	55	12	10	1	5208	220	4.2	1.22
2180.00	7308	470	248	59	46	40	8131	823	10.1	1.27

Table 1a: C1 to C7 hydrocarbons in HEADSPACE and CUTTINGS gas (µl gas/kg rock) **GEOLAB NOR**

Project: NOCS 25/8-9

Well: NOCS 25/8-9A

Depth unit of measure: m \* Indicated values in ml gas/kg rock

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4 --- nC4
2220.00	4990	321	151	36	33	30	5532	542	9.8	1.11
2260.00	5710	299	122	26	27	28	6184	474	7.7	0.96
2300.00	1775	152	82	21	20	20	2049	274	13.4	1.05
2340.00	7560	447	168	38	44	42	8257	697	8.4	0.85
2380.00	12619	1148	503	119	133	114	14521	1902	13.1	0.90
2391.00	7982	706	312	79	92	97	9171	1189	13.0	0.86
2400.00	15103	1642	729	175	197	175	17847	2743	15.4	0.89
2409.00	20551	2721	1329	322	373	359	25296	4745	18.8	0.86
2418.00	9688	1141	484	103	129	118	11546	1858	16.1	0.80
2427.00	13372	2433	1312	308	380	375	17805	4433	24.9	0.81
2436.00	8633	1612	926	223	276	286	11671	3037	26.0	0.81
2445.00	6485	1304	668	140	184	201	8781	2296	26.1	0.76
2454.00	2094	395	231	48	73	68	2841	747	26.3	0.66
2463.00	66	3	11	5	13	50	99	32	32.8	0.36
2472.00	1083	127	85	18	33	33	1346	264	19.6	0.54
2481.00	157	57	80	22	35	69	351	194	55.4	0.62
2490.00	132	59	107	37	49	102	385	253	65.7	0.75
2526.00	50	5	4	1	2	5	61	11	18.2	0.51
2553.00	69	7	6	1	2	3	85	16	18.7	0.55
2562.00	26	5	7	2	3	6	42	16	38.2	0.57
2571.00	2488	737	471	52	65	24	3812	1324	34.7	0.80
2580.00	1670	352	195	19	25	13	2260	590	26.1	0.75
2589.00	659	129	82	9	12	7	892	233	26.1	0.76
2598.00	233	32	18	2	3	3	287	55	19.1	0.70
2607.00	251	50	30	4	4	2	339	88	25.9	0.90
2616.00	238	56	40	5	6	4	345	107	31.1	0.81
2625.00	2024	441	277	31	36	17	2809	785	27.9	0.85

Table 1 : C1 to C7 hydrocarbons in HEADSPACE and CUTTINGS gas (µl gas/kg rock) **GEOLAB NOR**

Project: NOCS 25/8-9

Well: NOCS 25/8-9A

Depth unit of measure: m

\* Indicated values in ml gas/kg rock

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4 nC4
2634.00	2837	605	369	41	54	21	3905	1069	27.4	0.76
2643.00	784	178	128	16	20	11	1126	342	30.3	0.78
2652.00	644	164	139	18	23	10	988	344	34.8	0.78
2661.00	611	116	91	12	16	7	846	235	27.8	0.78
2670.00	515	86	58	1	8	7	668	152	22.8	0.19
2679.00	480	81	54	7	9	4	631	151	23.9	0.76

Table 2: Isotope GC Analysis of Headspace Gas for well NOCS 25/8-9A

Depth unit of measure: m

Depth	Typ	Lithology	C1	C2	C3	iC4	nC4	CO2	D	Sample
2472.00	cut	bulk	-55.0	-30.4	-30.4	-	-	-27.9	-	0046-0B
2481.00	cut	bulk	-65.4	-	-29.2	-	-	-30.9	-	0047-0B
2490.00	cut	bulk	-	-	-	-	-	-28.3	-	0048-0B
2526.00	cut	bulk	-	-	-	-	-	-15.5	-	0049-0B
2580.00	cut	bulk	-46.4	-28.4	-27.7	-28.4	-27.7	-29.8	-	0053-0B

Table 3 : Lithology description for well NOCS 25/8-9A

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1140.00						0065
				70 Cont : cem		0065-1L
				30 Sh/Clst: brn gy		0065-2L
1180.00						0066
				80 Sh/Clst: brn gy, slt, glauc		0066-1L
				20 Cont : cem		0066-2L
1220.00						0067
				100 Sh/Clst: brn gy, slt, glauc		0067-1L
1260.00						0068
				90 Sh/Clst: brn gy, ol gy, slt, glauc		0068-1L
				10 S/Sst : w, glauc, f		0068-2L
1300.00						0069
				95 Sh/Clst: brn gy, ol gy, slt, glauc		0069-1L
				5 S/Sst : w, glauc, f		0069-2L
1340.00						0070
				100 Sh/Clst: brn gy, ol gy, slt, glauc		0070-1L
				tr S/Sst : w, glauc, f		0070-2L
1380.00						0071
				100 Sh/Clst: brn gy, ol gy, slt, glauc		0071-1L
				tr S/Sst : w, glauc, f		0071-2L
1420.00						0072
				100 Sh/Clst: brn gy, ol gy, slt, glauc		0072-1L
				tr S/Sst : w, glauc, f		0072-2L

Table 3 : Lithology description for well NOCS 25/8-9A

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1460.00						0073
				100 Sh/Clst: brn gy, ol gy, slt, glauc tr S/Sst : w, glauc, f		0073-1L 0073-2L
1500.00						0074
				100 Sh/Clst: brn gy, ol gy, slt, glauc tr Ca : pl y brn		0074-1L 0074-2L
1540.00						0075
				100 Sh/Clst: brn gy, ol gy, slt, glauc tr Ca : pl y brn		0075-1L 0075-2L
1580.00						0076
				100 Sh/Clst: brn gy, ol gy, slt, glauc tr Ca : pl y brn		0076-1L 0076-2L
1620.00						0077
				100 Sh/Clst: brn gy, ol gy, slt, glauc tr Ca : pl y brn		0077-1L 0077-2L
1660.00						0078
				100 Sh/Clst: brn gy to brn blk, ol gy tr Ca : pl y brn		0078-1L 0078-2L
1700.00						0079
				100 Sh/Clst: m gy to brn gy tr Ca : pl y brn		0079-1L 0079-2L
1740.00						0080
				100 Sh/Clst: m gy to drk brn gy tr Ca : pl y brn		0080-1L 0080-2L

Table 3 : Lithology description for well NOCS 25/8-9A

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1780.00						0081
			100	Sh/Clst: m gy to drk brn gy		0081-1L
1820.00						0082
			100	Sh/Clst: m gy to drk brn gy		0082-1L
1860.00						0083
			100	Sh/Clst: m gy to drk brn gy		0083-1L
1900.00						0084
			100	Sh/Clst: m gy to drk brn gy		0084-1L
1940.00						0085
			100	Sh/Clst: brn gy to brn blk, calc		0085-1L
1980.00						0086
			100	Sh/Clst: m gy to drk brn gy		0086-1L
2020.00						0087
			100	Sh/Clst: m gy to drk brn gy		0087-1L
2060.00						0088
			100	Sh/Clst: m gy to drk brn gy, lt gy to pl bl gy		0088-1L
			tr Ca	: w		0088-2L
2100.00						0089
			100	Sh/Clst: m gy to drk brn gy, lt gy to pl bl gy		0089-1L
			tr Ca	: w		0089-2L

Table 3 : Lithology description for well NOCS 25/8-9A

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2140.00						0090
			100	Sh/Clst: m gy to drk brn gy, lt gy to pl bl gy		0090-1L
				tr Ca : w		0090-2L
2180.00						0091
			100	Sh/Clst: m gy to drk brn gy, lt gy to pl bl gy		0091-1L
				tr Ca : w		0091-2L
2220.00						0092
			100	Sh/Clst: m gy to drk gy, brn gy		0092-1L
				tr Ca : w		0092-2L
2260.00						0093
			100	Sh/Clst: m gy to drk gy, brn gy, calc		0093-1L
				tr Ca : w		0093-2L
2300.00						0094
			90	Sh/Clst: m gy to drk gy, brn gy, calc		0094-1L
			10	Tuff : drk gn gy		0094-2L
				tr Ca : w		0094-3L
2340.00						0095
			100	Sh/Clst: ol gy to drk gy, brn gy, calc		0095-1L
				tr Ca : w		0095-2L
2380.00						0096
			100	Sh/Clst: ol gy to drk gy, brn gy, calc		0096-1L
				tr Ca : w		0096-2L



Table 3 : Lithology description for well NOCS 25/8-9A

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2391.00						0097
			100	Sh/Clst: ol gy to drk gy, brn gy, calc, lam		0097-1L
			tr Ca	: w		0097-2L
2400.00						0098
			100	Sh/Clst: ol gy to drk gy, brn gy, calc, lam		0098-1L
			tr Ca	: w		0098-2L
2409.00						0099
			100	Sh/Clst: ol gy to drk gy, brn gy, calc, lam		0099-1L
			tr Ca	: w		0099-2L
2418.00						0100
			100	Sh/Clst: ol gy to drk gy, brn gy, calc, lam		0100-1L
			tr Ca	: w		0100-2L
2427.00						0101
			100	Sh/Clst: ol gy to drk ol gy, drk gy, brn gy		0101-1L
			tr Ca	: w		0101-2L
2436.00						0102
			100	Sh/Clst: ol gy to drk ol gy, drk gy, brn gy		0102-1L
			tr Ca	: w		0102-2L
2445.00						0104
	2.33		95	Sh/Clst: ol gy to drk ol gy, m gy to drk gy		0104-1L
			5	Ca : drk y brn		0104-2L

Table 3 : Lithology description for well NOCS 25/8-9A

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2454.00						0105
			90	Sh/Clst: m gy to drk gy, brn gy		0105-1L
			10	Ca : drk y brn		0105-2L
2463.00						0106
			90	Sh/Clst: m gy to drk gy, lt brn gy		0106-1L
			10	Ca : drk y brn		0106-2L
2472.00						0107
			100	Sh/Clst: m gy, lt gn gy, pl brn to drk brn		0107-1L
2481.00						0108
	1.05		100	Sh/Clst: m gy, lt gn gy, pl brn to drk brn		0108-1L
2490.00						0109
	1.12		100	Sh/Clst: m gy to gn gy, pl brn		0109-1L
				tr S/Sst : gy w, slt		0109-2L
2496.70	ccp					0001
	0.28		100	S/Sst : m lt gy, carb, cly		0001-1L
2502.45	ccp					0002
	0.41		100	S/Sst : m lt gy		0002-1L
2505.40	ccp					0003
	0.20		100	S/Sst : m lt gy, mic		0003-1L
2509.80	ccp					0004
	0.23		100	S/Sst : m lt gy, mic, l		0004-1L

Table 3 : Lithology description for well NOCS 25/8-9A

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample	
Int Cvd	TOC%	%	Lithology description				
2526.00						0110	
		100	Sh/Clst: drk gy to brn gy, drk brn gy tr S/Sst : gy w, slt			0110-1L 0110-2L	
2553.00						0111	
	1.23	90	Sh/Clst: drk gy to brn gy, drk brn gy 10 Cont : dd			0111-1L 0111-2L	
2562.00						0112	
		70	Sh/Clst: v col, calc 30 S/Sst : w, kln			0112-1L 0112-2L	
2571.00						0113	
	0.33	70	Sh/Clst: v col, calc 30 S/Sst : w, kln			0113-1L 0113-2L	
2580.00						0114	
		60	Sh/Clst: v col, calc 40 S/Sst : w, kln			0114-1L 0114-2L	
2584.50	swc					0005	
	0.32	100	S/Sst : m lt gy to m gy, slt, f			0005-1L	
2589.00						0115	
		80	Sh/Clst: v col, calc 20 S/Sst : w, kln			0115-1L 0115-2L	
2598.00						0116	
	0.34	50	Sh/Clst: v col, calc 50 S/Sst : w, kln			0116-1L 0116-2L	

Table 3 : Lithology description for well NOCS 25/8-9A

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample	
Int Cvd	TOC%	%	Lithology description				
2607.00						0117	
			50	Sh/Clst: v col, calc		0117-1L	
			50	S/Sst : w, kln		0117-2L	
2616.00						0118	
			80	Sh/Clst: v col, calc		0118-1L	
			20	S/Sst : w, kln		0118-2L	
2625.00						0119	
			60	Sh/Clst: v col, calc		0119-1L	
	0.26		40	S/Sst : w, pl gy, drk y brn, f, crs, kln		0119-2L	
2634.00						0120	
			90	Sh/Clst: v col, calc		0120-1L	
			10	S/Sst : w, pl gy, drk y brn, f, crs, kln		0120-2L	
2643.00						0121	
			90	Sh/Clst: v col, calc		0121-1L	
			10	S/Sst : w, pl gy, drk y brn, f, crs, kln		0121-2L	
2652.00						0122	
			60	Sh/Clst: v col, calc		0122-1L	
			40	S/Sst : w, pl gy, drk y brn, f, crs, kln		0122-2L	
2661.00						0123	
			80	Sh/Clst: v col, calc		0123-1L	
			20	S/Sst : w, pl gy, drk y brn, f, crs, kln		0123-2L	
2670.00						0124	
			95	Sh/Clst: v col, calc		0124-1L	
			5	S/Sst : w, pl gy, drk y brn, f, crs, kln		0124-2L	

Table 3 : Lithology description for well NOCS 25/8-9A

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample	
Int Cvd	TOC%	%	Lithology description				
2679.00						0125	
		95	Sh/Clst: v col, calc			0125-1L	
		5	S/Sst : w, pl gy, drk y brn, f, crs, kln			0125-2L	

Table 4A: Rock-Eval table for well NOCS 25/8-9A

Depth unit of measure: m

Depth	Typ	Form	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
2445.00	cut		Sh/Clst: ol gy to drk ol gy, m gy to drk gy	11.39	3.33	1.05	3.17	2.33	143	45	14.7	0.77	434	0104-1L
2481.00	cut		Sh/Clst: m gy, lt gn gy, pl brn to drk brn	7.76	1.15	0.80	1.44	1.05	110	76	8.9	0.87	346	0108-1L
2490.00	cut		Sh/Clst: m gy to gn gy, pl brn	9.18	1.23	0.52	2.37	1.12	110	46	10.4	0.88	350	0109-1L
2496.70	ccp		S/Sst : m lt gy	4.50	-	0.10	-	0.28	-	36	4.5	1.00	-	0001-1L
2502.45	ccp		S/Sst : m lt gy	13.49	0.12	0.19	0.63	0.41	29	46	13.6	0.99	358	0002-1L
2505.40	ccp		S/Sst : m lt gy	6.82	0.21	0.14	1.50	0.20	105	70	7.0	0.97	370	0003-1L
2509.80	ccp		S/Sst : m lt gy	4.32	0.17	0.10	1.70	0.23	74	43	4.5	0.96	354	0004-1L
2553.00	cut		Sh/Clst: drk gy to brn gy, drk brn gy	8.13	1.65	1.19	1.39	1.23	134	97	9.8	0.83	353	0111-1L
2571.00	cut		S/Sst : w	3.29	0.39	0.38	1.03	0.33	118	115	3.7	0.89	437	0113-2L
2584.50	swc		S/Sst : m lt gy to m gy	27.71	-	0.34	-	0.32	-	106	27.7	1.00	-	0005-1L
2598.00	cut		S/Sst : w	4.80	0.30	0.40	0.75	0.34	88	118	5.1	0.94	434	0116-2L
2625.00	cut		S/Sst : w, pl gy, drk y brn	1.59	0.36	0.38	0.95	0.26	138	146	2.0	0.82	434	0119-2L

Table 4B: Rock-Eval table for well RE,STD

Depth unit of measure: m

Depth	Typ	Form	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
1.00	std		bulk	0.43	17.69	1.81	9.77	-	-	-	18.1	0.02	421	0136-0B
2.00	std		bulk	0.42	17.42	2.37	7.35	-	-	-	17.8	0.02	422	0137-0B
3.00	std		bulk	0.53	18.98	1.69	11.23	-	-	-	19.5	0.03	420	0138-0B

Table 5 : Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 25/8-9A

Depth unit of measure: m

Depth	Typ	Lithology	C1	C2-C5	C6-C14	C15+	S2 from Rock-Eval	Sample
2496.70	ccp	S/Sst : m lt gy	5.07	31.59	52.23	11.11	-	0001-1L
2502.45	ccp	S/Sst : m lt gy	8.22	37.90	46.86	7.02	-	0002-1L
2505.40	ccp	S/Sst : m lt gy	4.51	37.73	47.11	10.65	-	0003-1L
2509.80	ccp	S/Sst : m lt gy	8.36	48.00	42.38	1.27	-	0004-1L
2584.50	swc	S/Sst : m lt gy to m gy	7.22	37.65	47.89	7.25	-	0005-1L



Table 6 a: MPLC Bulk Composition: Weight of EOM and Fraction for well NOCS 25/8-9A

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
2496.70	ccp	S/Sst : m	6.3	40.4	34.5	2.8	0.6	2.4	37.4	3.0	0.58	0001-1L

Table 6 b: MPLC Bulk Composition: Concentration of EOM and Fraction (wt ppm rock) for well NOCS 25/8-9A

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
2496.70	ccp	S/Sst : m	6382	5456	447	96	382	5903	478	0001-1L

Table 6 c: MPLC Bulk Composition: Concentration of EOM and Fraction (mg/g TOC(e)) for well NOCS 25/8-9A

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
2496.70	ccp	S/Sst : m	1100.40	940.79	77.08	16.61	65.91	1017.87	82.53	0001-1L

Table 6 d: MPLC Bulk Composition: Material extracted from the rock (%) for well NOCS 25/8-9A

Depth unit of measure: m

Depth	Typ	Lithology	Sat	Aro	Asph	NSO	Total	HC	Non-HC	Recov. MPLC	Recov. Asph	Sample
2496.70	ccp	S/Sst : m	85.50	7.00	1.51	5.99	100.00	92.50	7.50	-	0.02	0001-1L

Table 6 e: MPLC Bulk Composition: Ratios for well NOCS 25/8-9A

Depth unit of measure: m

Depth	Typ	Lithology	Sat	HC	Asp	Sample
			Aro	Non-HC	NSO	
2496.70	ccp	S/Sst : m	12.20	12.33	0.25	0001-1L

Table 7: Saturated Hydrocarbon Ratios (peak area) for well NOCS 25/8-9A

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	
2496.70	ccp	S/Sst : m lt gy	0.47	1.49	1.25	0.38	1.09	0.92	0001-1L

Table 8a: Aromatic Hydrocarbon Ratios (peak area) for well NOCS 25/8-9A

Depth unit of measure: m

Depth	Typ	Lithology	MNR	DMNR	BPhR	2/1MP	MPI1	MPI2	Rc	DBT/P	4/1MDBT	(3+2) /1MDBT	Sample
2496.70	ccp	S/Sst : m lt gy	-	-	-	-	-	-	-	-	-	-	0001-1L

Table 8b: Aromatic Hydrocarbon Ratios (peak area) for well NOCS 25/8-9A

Depth unit of measure: m

Depth	Typ	Lithology	F1	F2	Sample
2496.70	ccp	S/Sst : m lt gy	-	-	0001-1L



Table 11A: Tabulation of carbon isotope data for EOM/EOM - fractions for well NOCS 25/8-9A

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>
2496.70	ccp	S/Sst	-27.80	-27.51	-26.90	-27.09	-26.73	-	0001-1

Table 11B: Tabulation of cv values from carbon isotope data for well NOCS 25/8-9A

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>Sample</u>
2496.70	ccp	S/Sst	-27.51	-26.90	-1.77	0001-1

Table 12a: Variation in Triterpane Distribution (peak height) SIR for Well NOCS 25/8-9A

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
2496.70	S/Sst	0.86	0.46	0.18	0.49	0.33	0.19	0.05	0.11	0.05	0.13	0.90	0.34	0.12	60.47	0001-1

List of Triterpane Distribution Ratios

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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 12b: Variation in Sterane Distribution (peak height) SIR for Well NOCS 25/8-9A

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>
2496.70	S/Sst	0.72	37.94	75.16	1.31	0.80	0.36	0.26	0.60	0.61	2.44	0001-1

List of Sterane Distribution Ratios

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

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

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 12c: Raw triterpane data (peak height) m/z 191 SIR for Well NOCS 25/8-9A

Depth unit of measure: m

Depth	Lithology	23/3	24/3	25/3	24/4	26/3	27Ts	27Tm	28aβ	25nor30aβ	Sample
		29aβ	29Ts	30d	29βa	300	30aβ	30βa	30G	31aβS	
		31aβR	32aβS	32aβR	33aβS	33aβR	34aβS	34aβR	35aβS	35aβR	
2496.70	S/Sst	62807.1	27031.0	14935.4	29618.2	8571.3	57221.7	49347.0	11261.4	0.0	0001-1
		101354.5	55761.6	39856.0	14139.9	0.0	206067.5	22279.4	0.0	85233.9	
		55760.1	57479.3	37568.0	34297.2	22386.1	20991.6	16973.2	14772.1	9974.4	

Depth unit of measure: m

Depth	Lithology	21a	22a	27d $\beta$ S	27d $\beta$ R	27daR	27daS	28d $\beta$ S	28d $\beta$ R	28daR*	Sample
		29d $\beta$ S*	28daS*	27aaR	29d $\beta$ R	29daR	28aaS	29daS*	28 $\beta$ $\beta$ S		
		28aaR	29aaS	29 $\beta$ $\beta$ R	29 $\beta$ $\beta$ S	29aaR					
2496.70	S/Sst	38536.9	17149.7	74705.0	44921.6	18416.9	16894.9	26312.1	15165.7	22678.5	0001-1
		47106.0	25311.0	29555.1	36216.3	11757.9	10901.3	23365.3	19177.1		
		7872.4	15094.3	32730.7	27460.8	24685.2					

\* 28daR coel with 27aaS, 29d $\beta$ S coel with 27 $\beta$  $\beta$ R, 28daS coel with 27 $\beta$  $\beta$ S, 29daS coel with 28 $\beta$  $\beta$ R



Table 12e: Raw sterane data (peak height) m/z 218 SIR for Well NOCS 25/8-9A

Depth unit of measure: m

Depth	Lithology	27 $\beta$ BR	27 $\beta$ BS	28 $\beta$ BR	28 $\beta$ BS	29 $\beta$ BR	29 $\beta$ BS	30 $\beta$ BR	30 $\beta$ BS	Sample
2496.70	S/Sst	37955.5	32371.0	25843.4	26129.3	43549.9	39911.9	6447.9	6316.7	0001-1

Table 12f: Raw triterpane data (peak height) m/z 177 SIR for Well NOCS 25/8-9A

Depth unit of measure: m

<u>Depth</u>	<u>Lithology</u>	<u>25nor28aß</u>	<u>25nor30aß</u>	<u>Sample</u>
2496.70	S/Sst	0.0	0.0	0001-1

Table 13a: Variation in Triaromatic Sterane Distribution (peak height) for Well NOCS 25/8-9A

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>
2496.70	S/Sst	0.59	0.58	0.29	0.29	0.36	0001-1

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 13b: Variation in Monoaromatic Sterane Distribution (peak height) for Well NOCS 25/8-9A

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>
2496.70	S/Sst	0.52	0.36	0.35	0.27	0001-1

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 13c: Aromatisation of Steranes (peak height) for Well NOCS 25/8-9A

Depth unit of measure: m

<u>Depth</u>	<u>Lithology</u>	<u>Ratio1</u>	<u>Ratio2</u>	<u>Sample</u>
2496.70	S/Sst	0.60	0.75	0001-1

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

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

Table 13d: Raw triaromatic sterane data (peak height) m/z 231 for Well NOCS 25/8-9A

Depth unit of measure: m

<u>Depth</u>	<u>Lithology</u>	<u>a1</u>	<u>b1</u>	<u>c1</u>	<u>d1</u>	<u>e1</u>	<u>f1</u>	<u>g1</u>	<u>Sample</u>
2496.70	S/Sst	488.4	470.4	325.4	850.3	499.0	358.4	337.6	0001-1

Table 13e: Raw monoaromatic sterane data (peak height) m/z 253 for Well NOCS 25/8-9A

Depth unit of measure: m

Depth	Lithology	A1	B1	C1	D1	E1	F1	G1	H1	I1	Sample
2496.70	S/Sst	868.1	450.6	574.5	522.3	815.4	203.5	812.9	555.4	115.4	0001-1

Table 13f: Aromatic Hydrocarbons data (peak height) m/z 178/192 SIR for Well NOCS 25/8-9A

Depth unit of measure: m

<u>Depth</u>	<u>Lithology</u>	<u>P</u>	<u>3MP</u>	<u>2MP</u>	<u>9MP</u>	<u>1MP</u>	<u>MP11</u>	<u>Sample</u>
2496.70	S/Sst	33434.7	15224.1	17250.9	22410.6	16004.0	0.68	0001-1