

Table 8f: Iatroscan TLC Bulk Composition: Absolute yields in mg/g rock for well NOCS 33/9-15

Depth unit of measure: m

<u>Depth</u>	<u>Typ</u>	<u>Lithology</u>	<u>Sat HC</u>	<u>Aro HC</u>	<u>NSO</u>	<u>Asp</u>	<u>HC</u>	<u>Non-HC</u>	<u>EOM</u>	<u>Sample</u>
2736.00	ccp	bulk	18.13	5.21	4.32	1.44	23.34	5.76	29.10	0003-0B
2776.00	ccp	bulk	10.89	1.50	1.85	0.55	12.39	2.40	14.79	0004-0B

Table 8g: Iatroscan TLC Bulk Composition: Rel. percentages of sep. fractions for well NOCS 33/9-15

Depth unit of measure: m

<u>Depth</u>	<u>Typ</u>	<u>Lithology</u>	<u>Sat HC</u>	<u>Aro HC</u>	<u>NSO</u>	<u>Asp</u>	<u>Total</u>	<u>HC</u>	<u>Non-HC</u>	<u>Recov. Iatr.</u>	<u>Recov. Asp</u>	<u>Sample</u>
2736.00	ccp	bulk	62.31	17.90	14.84	4.95	100.00	80.21	19.79	1.31	1.00	0003-0B
2776.00	ccp	bulk	73.63	10.14	12.49	3.74	100.00	83.77	16.23	0.51	1.02	0004-0B

Table 9a: Quantative Analysis of Saturated Fraction, Well NOCS 33/9-15

Sample	nC15	nC16	iC18	nC17	Pr	nC18	Ph	nC19	nC20	nC21	nC22	nC23
	mg/g sat	mg/g sat	mg/g sat	mg/g sat	mg/g sat	mg/g sat	mg/g sat	mg/g sat	mg/g sat	mg/g sat	mg/g sat	mg/g sat
NOCS 33/9-15 (2736 m)	3,910	5,921	5,027	8,586	10,471	9,273	11,325	9,874	10,984	9,020	8,339	5,250
NOCS 33/9-15 (2776 m)	8,494	18,970	10,230	24,785	21,950	23,393	16,703	20,097	21,280	17,927	14,639	11,802

Table 9a: Quantative Analysis of Saturated Fraction, Well NOCS 33/9-15

nC24	nC25	nC26	nC27	nC28	nC29	nC30	nC31	nC32	nC33	nC34	Sum alk
mg/g sat	mg/g sat	mg/g sat	mg/g sat	mg/g sat	mg/g sat	mg/g sat	mg/g sat	mg/g sat	mg/g sat	mg/g sat	mg/g sat
5,240	4,764	3,501	2,169	1,868	1,631	1,398	1,280	1,427	1,806	2,288	125,355
10,332	8,975	6,503	4,490	3,444	2,882	2,190	1,422	1,243	1,302	1,298	254,351

Table 9B: Saturated Hydrocarbon Ratios (peak area) for well NOCS 33/9-15

Depth unit of measure: m

Depth	Typ	Lithology	<u>Pristane</u>	<u>Pristane</u>	<u>Pristane/nC17</u>	<u>Phytane</u>	<u>nC17</u>	Sample	
			nC17	Phytane	Phytane/nC18	nC18	CPI1		nC17+nC27
2736.00	ccp	bulk	1.22	0.92	1.00	1.22	1.01	0.80	0003-0B
2776.00	ccp	bulk	0.89	1.31	1.24	0.71	1.06	0.85	0004-0B

Table 10a: Tabulation of carbon isotope data for EOM/EOM - fractions for well NOCS 33/9-15

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Saturated	Aromatic	NSO	Asphaltenes	Kerogen	Sample
2736.00	ccp	bulk	-28.50	-29.07	-28.12	-28.05	-27.79	-	0003-0
2776.00	ccp	bulk	-28.85	-29.00	-28.27	-28.34	-28.15	-	0004-0

Table 10b: Tabulation of cv values from carbon isotope data for well NOCS 33/9-15

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>
2736.00	ccp	bulk	-29.07	-28.12	-0.53	0003-0
2776.00	ccp	bulk	-29.00	-28.27	-1.04	0004-0

Table 11a: Variation in Triterpane Distribution (peak height) SIR for Well NOCS 33/9-15

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
2736.00	bulk	0.92	0.48	0.12	0.43	0.30	0.07	0.18	0.42	0.15	0.07	0.92	0.30	0.09	60.90	0003-0
2776.00	bulk	0.96	0.49	0.12	0.46	0.31	0.07	0.20	0.44	0.17	0.08	0.92	0.32	0.10	61.43	0004-0

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 11b: Variation in Sterane Distribution (peak height) SIR for Well NOCS 33/9-15

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>
2736.00	bulk	0.76	44.75	77.02	1.13	0.79	0.33	0.22	0.63	0.81	3.03	0003-0
2776.00	bulk	0.71	42.81	73.27	1.10	0.76	0.38	0.26	0.58	0.75	2.40	0004-0

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

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 11c: Raw triterpane data (peak height) m/z 191 SIR for Well NOCS 33/9-15

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Depth unit of measure: m

Depth	Lithology	23/3	24/3	25/3	24/4	26/3	27Ts	27Tm	28aß	25nor30aß	Sample
		29aß	29Ts	30d	29Ba	300	30aß	30Ba	30G	31aßS	
		31aßR	32aßS	32aßR	33aßS	33aßR	34aßS	34aßR	35aßS	35aßR	
2736.00	bulk	17573.6	14000.2	7471.1	12335.7	4163.3	33250.5	30694.2	38764.8	8500.5	0003-0
		92973.7	36631.2	15369.3	8713.1	0.0	214912.9	18110.8	0.0	89914.9	
		61994.8	61202.2	39292.5	43117.1	26223.8	25783.8	16048.2	23715.4	14890.3	
2776.00	bulk	19147.7	14711.7	7044.6	12353.1	4468.1	28266.6	27157.7	36025.4	8029.7	0004-0
		81011.5	28741.9	12332.1	9589.5	0.0	177708.8	15317.8	0.0	62524.7	
		43878.9	39240.1	24638.5	27751.3	17186.6	15290.1	9410.4	13115.7	8404.2	

Depth unit of measure: m

Depth	Lithology	21a	22a	27dBS	27dBR	27daR	27daS	28dBS	28dBR	28daR*	Sample
		29dBS*	28daS*	27aaR	29dBR	29daR	28aaS	29daS*	28BS		
		28aaR	29aaS	29BSR	29BS	29aaR					
2736.00	bulk	24820.5	13386.7	56205.4	37439.7	12185.2	13197.8	27078.0	16245.2	15341.9	0003-0
		49566.3	25993.4	17733.7	26035.5	9371.2	8980.9	20071.4	22590.1		
		7056.9	12861.3	27805.9	20349.7	15881.6					
2776.00	bulk	32448.7	15373.5	55421.5	35749.7	12124.8	12533.5	25363.6	15115.9	17741.3	0004-0
		50978.2	25432.5	22626.4	24590.3	9030.4	10023.3	20835.4	22640.8		
		9404.8	13859.3	25711.7	18663.0	18517.1					

* 28daR coel with 27aaS, 29dBS coel with 27BSR, 28daS coel with 27BS, 29daS coel with 28BSR

Table 11e: Raw sterane data (peak height) m/z 218 SIR for Well NOCS 33/9-15

Depth unit of measure: m

Depth	Lithology	27 β BR	27 β BS	28 β BR	28 β BS	29 β BR	29 β BS	30 β BR	30 β BS	Sample
2736.00	bulk	51268.6	36369.8	33086.6	35228.9	39886.7	37143.2	9620.6	9038.2	0003-0
2776.00	bulk	55509.5	37333.5	34286.0	33691.5	38162.5	34294.2	8701.4	8238.5	0004-0

Table 11f: Raw triterpane data (peak height) m/z 177 SIR for Well NOCS 33/9-15

Depth unit of measure: m

Depth	Lithology	25nor28a β	25nor30a β	Sample
2736.00	bulk	41042.2	5465.4	0003-0
2776.00	bulk	45522.7	5421.4	0004-0

Table 11g: Amount of triterpanes (ppb) m/z 191 SIR for Well NOCS 33/9-15

Depth unit of measure: m

Depth	Lithology	23/3	24/3	25/3	24/4	26/3	27Ts	27Tm	28aß	25nor30aß	Sample
		29aß	29Ts	30d	29ßa	300	30aß	30ßa	30G	31aßS	
		31aßR	32aßS	32aßR	33aßS	33aßR	34aßS	34aßR	35aßS	35aßR	
2736.00	bulk	118529.5	94427.8	50390.8	83200.7	28080.5	224266.0	207024.0	261458.4	57333.9	0003-0
		627082.7	247067.9	103662.2	58767.5	0.0	1449530.1	122152.5	0.0	606451.9	
		418138.6	412792.6	265017.5	290813.2	176872.7	173904.6	108240.9	159953.8	100431.2	
2776.00	bulk	97370.4	74812.4	35823.3	62818.7	22721.1	143742.5	138103.5	183198.0	40832.7	0004-0
		411962.6	146159.4	62711.8	48764.7	0.0	903691.7	77894.7	0.0	317953.1	
		223134.9	199545.1	125292.5	141121.8	87398.1	77753.7	47854.3	66696.7	42737.2	

Table 11h: Amount of steranes (ppb) m/z 217 SIR for Well NOCS 33/9-15

Depth unit of measure: m

Depth	Lithology	21a	22a	27dBS	27dBR	27daR	27daS	28dBS	28dBR	28daR*	Sample
		29dBS*	28daS*	27aaR	29dBR	29daR	28aaS	29daS*	28BBS		
		28aaR	29aaS	29BBR	29BBS	29aaR					
2736.00	bulk	167407.5	90289.4	379090.8	252520.6	82185.8	89015.9	182633.9	109569.7	103476.7	0003-0
		334311.2	175318.8	119609.0	175602.7	63206.3	60573.7	135376.0	152364.1		
		47597.1	86745.9	187543.4	137253.3	107116.9					
2776.00	bulk	165009.4	78178.1	281831.5	181795.7	61657.4	63736.0	128980.1	76868.0	90218.9	0004-0
		259236.2	129330.4	115060.5	125047.3	45921.7	50970.8	105953.2	115134.0		
		47825.7	70477.8	130750.2	94906.0	94164.0					

* 28daR coel with 27aaS, 29dBS coel with 27BBR, 28daS coel with 27BBS, 29daS coel with 28BBR

Table 11i: Amount of standard and weight of sample for Well NOCS 33/9-15

Depth unit of measure: m

<u>Depth</u>	<u>Lithology</u>	<u>Standard</u>	<u>Amount</u>	<u>Weight</u>	<u>Sample</u>
2736.00	bulk	14217.1	1.400	14.6	0003-0
2776.00	bulk	10712.3	1.400	25.7	0004-0

Table 12a: Variation in Triaromatic Sterane Distribution (peak height) for Well NOCS 33/9-15

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>
2736.00	bulk	0.41	0.42	0.21	0.17	0.28	0003-0
2776.00	bulk	0.29	0.37	0.14	0.11	0.15	0004-0

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 12b: Variation in Monoaromatic Sterane Distribution (peak height) for Well NOCS 33/9-15

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>
2736.00	bulk	0.24	0.16	0.14	0.12	0003-0
2776.00	bulk	0.26	0.17	0.17	0.14	0004-0

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 12c: Aromatisation of Steranes (peak height) for Well NOCS 33/9-15

Depth unit of measure: m

<u>Depth</u>	<u>Lithology</u>	<u>Ratio1</u>	<u>Ratio2</u>	<u>Sample</u>
2736.00	bulk	0.49	0.94	0003-0
2776.00	bulk	0.46	0.89	0004-0

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

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

Table 12d: Raw triaromatic sterane data (peak height) m/z 231 for Well NOCS 33/9-15

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>
2736.00	bulk	6433.1	6819.3	4032.2	16789.3	11233.3	9814.6	9287.6	0003-0
2776.00	bulk	2775.2	4018.2	4144.2	15436.4	8658.8	7080.3	6730.7	0004-0

Table 12e: Raw monoaromatic sterane data (peak height) m/z 253 for Well NOCS 33/9-15

Depth unit of measure: m

Depth	Lithology	A1	B1	C1	D1	E1	F1	G1	H1	I1	Sample
2736.00	bulk	3979.9	2419.7	8068.2	6444.1	12854.7	2624.7	11095.3	6748.0	611.7	0003-0
2776.00	bulk	3746.6	2111.2	5209.7	4535.0	10400.5	1652.3	8083.0	4951.9	805.2	0004-0

Table 5A: Rock-Eval table for well NOCS 33/9-16

Depth unit of measure: m

Depth	Typ	Form	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
2682.00	ccp		bulk	5.23	2.60	-	-	-	-	-	7.8	0.67	420	0002-0B

Table 5B: Rock-Eval table for well BLACK VEN MARL

Depth unit of measure: m

Depth	Typ	Form	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
1.00	n/a		bulk	0.33	19.50	-	-	-	-	-	19.8	0.02	421	0215-0B

Table 8a: MPLC Bulk Composition: Weight of EOM and Fraction for well NOCS 33/9-16

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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
2682.00	ccp	bulk	8.1	62.8	24.9	13.1	5.0	19.8	38.0	24.8	0.50	0002-0B

Table 8b: MPLC Bulk Composition: Concentration of EOM and Fraction (wt ppm rock) for well NOCS 33/9-16

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Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
2682.00	ccp	bulk	7781	3089	1620	623	2448	4709	3072	0002-0B

Table 8c: MPLC Bulk Composition: Concentration of EOM and Fraction (mg/g TOC(e)) for well NOCS 33/9-16

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Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
2682.00	ccp	bulk	1556.38	617.87	324.01	124.73	489.78	941.88	614.50	0002-0B

Table 8d: MPLC Bulk Composition: Material extracted from the rock (%) for well NOCS 33/9-16

Depth unit of measure: m

Depth	Typ	Lithology	Sat	Aro	Asph	NSO	Total	HC	Non-HC	Recov. MPLC	Recov. Asph	Sample
2682.00	ccp	bulk	39.70	20.82	8.01	31.47	100.00	60.52	39.48	0.98	0.94	0002-0B

Table 8e: MPLC Bulk Composition: Ratios for well NOCS 33/9-16

Depth unit of measure: m

Depth	Typ	Lithology	Sat Aro	HC Non-HC	Asp NSO	Sample
2682.00	ccp	bulk	1.91	1.53	0.25	0002-0B

Table 8f: Iatroscan TLC Bulk Composition: Absolute yields in mg/g rock for well NOCS 33/9-16

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Depth unit of measure: m

<u>Depth</u>	<u>Typ</u>	<u>Lithology</u>	<u>Sat HC</u>	<u>Aro HC</u>	<u>NSO</u>	<u>Asp</u>	<u>HC</u>	<u>Non-HC</u>	<u>EOM</u>	<u>Sample</u>
2682.00	ccp	bulk	4.64	0.85	1.67	0.62	5.49	2.29	7.78	0002-0B

Table 8g: Iatroscan TLC Bulk Composition: Rel. percentages of sep. fractions for well NOCS 33/9-16

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Depth unit of measure: m

<u>Depth</u>	<u>Typ</u>	<u>Lithology</u>	<u>Sat HC</u>	<u>Aro HC</u>	<u>NSO</u>	<u>Asp</u>	<u>Total</u>	<u>HC</u>	<u>Non-HC</u>	<u>Recov. Iatr.</u>	<u>Recov. Asp</u>	<u>Sample</u>
2682.00	ccp	bulk	59.60	10.95	21.44	8.01	100.00	70.55	29.45	0.91	0.94	0002-0B

Table 9a: Quantative Analysis of Saturated Fraction, Well NOCS 33/9-16

Sample	nC15	nC16	iC18	nC17	Pr	nC18	Ph	nC19	nC20	nC21	nC22	nC23
	mg/g sat	mg/g sat	mg/g sat	mg/g sat	mg/g sat	mg/g sat	mg/g sat	mg/g sat	mg/g sat	mg/g sat	mg/g sat	mg/g sat
NOCS 33/9-16	3,252	5,599	6,180	7,636	13,638	7,601	14,128	7,417	11,146	7,344	6,444	4,576

nC24	nC25	nC26	nC27	nC28	nC29	nC30	nC31	nC32	nC33	nC34	Sum alk
mg/g sat	mg/g sat	mg/g sat	mg/g sat	mg/g sat	mg/g sat	mg/g sat	mg/g sat	mg/g sat	mg/g sat	mg/g sat	mg/g sat
3,896	2,833	2,652	1,610	1,689	1,473	1,505	1,329	1,534	1,871	2,322	117,674

Table 9B: Saturated Hydrocarbon Ratios (peak area) for well NOCS 33/9-16

Depth unit of measure: m

Depth	Typ	Lithology	$\frac{\text{Pristane}}{\text{nC17}}$	$\frac{\text{Pristane}}{\text{Phytane}}$	$\frac{\text{Pristane/nC17}}{\text{Phytane/nC18}}$	$\frac{\text{Phytane}}{\text{nC18}}$	$\frac{\text{nC17}}{\text{nC17+nC27}}$	Sample
2682.00	ccp	bulk	1.79	0.97	0.96	1.86	0.83	0002-0B

Table 10a: Tabulation of carbon isotope data for EOM/EOM - fractions for well NOCS 33/9-16

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>
2682.00	ccp	bulk	-28.46	-28.94	-28.12	-28.33	-27.94	-	0002-0

Table 10b: Tabulation of cv values from carbon isotope data for well NOCS 33/9-16

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>
2682.00	ccp	bulk	-28.94	-28.12	-0.86	0002-0

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
2682.00	bulk	0.88	0.47	0.12	0.43	0.30	0.07	0.19	0.43	0.16	0.09	0.92	0.30	0.09	61.10	0002-0

List of Triterpane Distribution Ratios

Ratio 1: 27Tm / 27Ts

Ratio 2: 27Tm / 27Tm+27Ts

Ratio 3: 27Tm / 27Tm+30aβ+30βa

Ratio 4: 29aβ / 30aβ

Ratio 5: 29aβ / 29aβ+30aβ

Ratio 6: 30d / 30aβ

Ratio 7: 28aβ / 30aβ

Ratio 8: 28aβ / 29aβ

Ratio 9: 28aβ / 28aβ+30aβ

Ratio 10: 24/3 / 30aβ

Ratio 11: 30aβ / 30aβ+30βa

Ratio 12: 29aβ+29βa / 29aβ+29βa+30aβ+30βa

Ratio 13: 29βa+30βa / 29aβ+30aβ

Ratio 14: 32aβS / 32aβS+32aβR (%)

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>
2682.00	bulk	0.77	45.63	78.02	1.21	0.80	0.39	0.27	0.64	0.84	3.26	0002-0

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

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 11c: Raw triterpane data (peak height) m/z 191 SIR for Well NOCS 33/9-16

Depth unit of measure: m

Depth	Lithology	23/3	24/3	25/3	24/4	26/3	27Ts	27Tm	28aß	25nor30aß	Sample
		29aß	29Ts	30d	29ßa	300	30aß	30ßa	30G	31aßS	
		31aßR	32aßS	32aßR	33aßS	33aßR	34aßS	34aßR	35aßS	35aßR	
2682.00	bulk	9004.2	7514.7	3695.9	5700.9	2040.1	13957.9	12268.5	15830.4	3498.4	0002-0
		36414.0	14656.4	6137.6	3470.0	0.0	84590.4	6904.8	0.0	33967.2	
		24044.9	22642.1	14416.4	15848.2	9383.7	8616.6	5005.8	7381.0	4516.0	

Table 11d: Raw sterane data (peak height) m/z 217 SIR for Well NOCS 33/9-16

Depth unit of measure: m

Depth	Lithology	21a	22a	27d β S	27d β R	27daR	27daS	28d β S	28d β R	28daR*	Sample
		29d β S*	28daS*	27aaR	29d β R	29daR	28aaS	29daS*	28 β β S		
		28aaR	29aaS	29 β β R	29 β β S	29aaR					
2682.00	bulk	12213.7	6654.1	24854.5	16678.2	5437.4	5692.4	11381.1	6690.3	6411.4	0002-0
		20706.9	10723.4	7279.2	11071.1	3843.3	3345.7	8081.4	9146.9		
		2772.1	4780.8	10884.0	7707.7	5697.2					

* 28daR coel with 27aaS, 29d β S coel with 27 β β R, 28daS coel with 27 β β S, 29daS coel with 28 β β R

Depth unit of measure: m

Depth	Lithology	27 β BR	27 β BS	28 β BR	28 β BS	29 β BR	29 β BS	30 β BR	30 β BS	Sample
2682.00	bulk	21278.8	14877.0	13554.4	14066.1	15355.5	14109.8	3674.6	3492.9	0002-0

Table 11f: Raw triterpane data (peak height) m/z 177 SIR for Well NOCS 33/9-16

Depth unit of measure: m

Depth	Lithology	25nor28a β	25nor30a β	Sample
2682.00	bulk	16470.1	2438.1	0002-0

Depth unit of measure: m

Depth	Lithology	23/3	24/3	25/3	24/4	26/3	27Ts	27Tm	28aß	25nor30aß	Sample
		29aß	29Ts	30d	29ßa	300	30aß	30ßa	30G	31aßS	
		31aßR	32aßS	32aßR	33aßS	33aßR	34aßS	34aßR	35aßS	35aßR	
2682.00	bulk	134547.8	112291.2	55226.7	85187.2	30485.0	208570.7	183325.7	236550.6	52275.2	0002-0
		544127.5	219007.6	91712.6	51851.8	0.0	1264019.0	103177.8	0.0	507565.9	
		359298.9	338336.3	215421.7	236817.5	140219.2	128756.2	74800.1	110293.6	67482.3	

Depth unit of measure: m

Depth	Lithology	21a	22a	27dBS	27dBR	27daR	27daS	28dBS	28dBR	28daR*	Sample
		29dBS*	28daS*	27aaR	29dBR	29daR	28aaS	29daS*	28BS		
		28aaR	29aaS	29BSR	29BS	29aaR					
2682.00	bulk	182507.6	99431.0	371396.1	249219.2	81249.4	85060.0	170066.0	99972.0	95804.0	0002-0
		309419.2	160237.7	108772.2	165432.8	57429.1	49993.6	120759.1	136680.2		
		41422.5	71438.0	162638.1	115174.6	85131.5					

* 28daR coel with 27aaS, 29dBS coel with 27BSR, 28daS coel with 27BS, 29daS coel with 28BSR

Table 11i: Amount of standard and weight of sample for Well NOCS 33/9-16

Depth unit of measure: m

<u>Depth</u>	<u>Lithology</u>	<u>Standard</u>	<u>Amount</u>	<u>Weight</u>	<u>Sample</u>
2682.00	bulk	11425.7	1.400	8.2	0002-0

Table 12a: Variation in Triaromatic Sterane Distribution (peak height) for Well NOCS 33/9-16

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>
2682.00	bulk	0.43	0.47	0.22	0.19	0.27	0002-0

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 12b: Variation in Monoaromatic Sterane Distribution (peak height) for Well NOCS 33/9-16

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>
2682.00	bulk	0.23	0.13	0.14	0.11	0002-0

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 12c: Aromatisation of Steranes (peak height) for Well NOCS 33/9-16

Depth unit of measure: m

<u>Depth</u>	<u>Lithology</u>	<u>Ratio1</u>	<u>Ratio2</u>	<u>Sample</u>
2682.00	bulk	0.47	0.95	0002-0

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

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

Table 12d: Raw triaromatic sterane data (peak height) m/z 231 for Well NOCS 33/9-16

Depth unit of measure: m

Depth	Lithology	a1	b1	c1	d1	e1	f1	g1	Sample
2682.00	bulk	5456.7	6278.0	3269.3	15125.9	8973.0	7550.2	7194.6	0002-0

Table 12e: Raw monoaromatic sterane data (peak height) m/z 253 for Well NOCS 33/9-16

Depth unit of measure: m

Depth	Lithology	A1	B1	C1	D1	E1	F1	G1	H1	I1	Sample
2682.00	bulk	3190.2	1685.1	5791.6	5156.6	10797.5	1934.1	8172.5	5357.9	401.7	0002-0