

Table 6 : Aromatic Hydrocarbon Ratios for well NOCS 25/2-10

Depth unit of measure: m

Depth	Typ	Lithology	MNR	DMNR	BPhR	2/1MP	MPI1	MPI2	Rc	DBT/P	4/1MDBT	(3+2) /1MDBT	Sample
1390.00	cut	bulk	-	-	-	-	-	-	-	-	-	-	0014-0B
2237.50	cut	S/Sst : drk y brn to pl y brn	-	-	-	1.35	0.80	0.97	0.88	0.24	9.25	1.88	0048-1L
2242.00	cut	S/Sst : w to y gy	-	-	-	1.20	0.83	0.97	0.90	-	-	-	0049-1L
2257.50	cut	S/Sst : w to m y brn	-	-	-	1.03	0.76	0.87	0.86	-	-	-	0052-1L
2267.00	cut	S/Sst : w to m y brn	-	-	-	1.16	0.81	0.92	0.89	-	-	-	0054-1L
2630.00	cut	bulk	-	-	-	1.73	0.95	1.10	0.97	-	-	-	0106-0B
2888.00	ccp	S/Sst : w to y gy	-	-	-	-	-	-	-	-	-	-	0150-1L

Table 7 : Thermal Maturity Data for well NOCS 25/2-10

Depth unit of measure: m

Depth	Typ Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	T <sub>max</sub> (°C)	Sample
1900.00	com bulk	0.32	17	0.04	4	-	-	0162-0B
2020.00	cut Sh/Clst: lt ol gy to pl y brn	0.36	9	0.05	3-5	-	380	0035-4L
2110.00	cut Sh/Clst: ol gy to lt gy, lt ol gy	0.37	20	0.06	3-4	-	-	0038-3L
2200.00	cut Sh/Clst: ol gy, lt ol gy	0.41	3	0.01	3-4	-	408	0041-1L
2295.00	cut Sh/Clst: ol gy to lt ol gy	0.45	11	0.06	3-4	-	424	0057-1L
2380.00	cut Sh/Clst: ol gy to lt ol gy	0.47	11	0.03	3-4	-	412	0069-1L
2490.00	cut Sh/Clst: y gy to ol gy to lt ol gy	0.49	1	0.00	3-4	-	397	0083-1L
2580.00	cut Sh/Clst: m gy to m drk gy	0.45	8	0.06	3+4	-	-	0098-1L
2660.00	cut Sh/Clst: m gy to m drk gy	0.47	20	0.04	3+4	-	416	0109-2L
2740.00	cut Sh/Clst: ol gy to m drk gy	0.44	20	0.05	3+4	-	423	0122-1L
2850.00	cut Sh/Clst: lt gy to lt ol gy to m drk gy	0.50	20	0.04	3-5	-	395	0143-1L
2930.00	cut Sh/Clst: m drk gy	0.50	13	0.06	4+5	-	424	0156-1L

Table 8 : Visual Kerogen Composition Data for well NOCS 25/2-10

Depth unit of measure: m

Depth	Typ	Lithology	LIP %	A m L t	L i p / o e	S / P o c l	C u t l l	R e s i n	D A l g a l	A n c o r f i t	B i t L	I N E T %	S F u n s	I m t d r e n	S c l e r o	B i t I	V I T R %	T e l l i n	C o l l i n	V i t D e n t	A m o r t V	B i t V	Sample
1720.00	cut	Sltst : lt brn gy to pl y brn	85	**	**	*	*	*	**	*		5	*				10		*				0025-1L
2020.00	cut	Sh/Clst: lt ol gy to pl y brn	90	**	**	*		*	*			TR	*				10		*				0035-4L
2080.00	cut	Sh/Clst: ol gy to lt gy, lt ol gy	85	**	**	*		*	*			5	*				10		*				0037-3L
2440.00	cut	Sltst : ol gy, blk	30	**	**	*		*	*			5	*	**			65	**	*	*			0077-5L
2535.00	cut	Sh/Clst: m gy to m drk gy	70	*	**	*		*	*			15	*				15	*	**				0089-4L
2560.00	cut	Sh/Clst: m gy to m drk gy	100			**		*				TR	*				TR		*				0094-1L
2660.00	cut	Sh/Clst: m gy to m drk gy	95	*	*	**		*				TR	*				5		*				0109-2L
2785.00	cut	Sh/Clst: m gy to m drk gy	60	**	**	*	*	*	*			10	*				30	*	**				0130-1L
2930.00	cut	Sh/Clst: m drk gy	50	**	**	*	*	*	*			35	*				15		*				0156-1L

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>
1390.00	cut	Cont	-	-28.00	-27.62	-28.88*	-27.57	-	0014-2
2630.00	cut	S/Sst	-	-27.43	-27.70	-27.66	-27.47	-	0106-1
2888.00	ccp	S/Sst	-	-26.89	-27.15	-25.45*	-26.46	-	0150-1

\* Too little material for rerun.

Table 9B: Tabulation of cv values from carbon isotope data for well NOCS 25/2-10

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>Sample</u>
1390.00	cut	Cont	-28.00	-27.62	-2.13	0014-2
2630.00	cut	S/Sst	-27.43	-27.70	-3.75	0106-1
2888.00	ccp	S/Sst	-26.89	-27.15	-3.89	0150-1

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	C+D		J1		Sample
				B+E+F									C+D+E+F	D+F/C+E	J1+J2%		
1390.00	Sltst	0.82	0.45	0.23		0.98	0.50	0.12	0.20	0.20	0.17	0.36	0.88	0.50	0.14	60.00	0014-1
2630.00	S/Sst	0.99	0.50	0.11		0.73	0.42	0.02	0.02	0.03	0.02	0.06	0.91	0.42	0.10	59.66	0106-1
2888.00	S/Sst	0.98	0.49	0.22		0.90	0.47	0.04	0.09	0.10	0.08	0.31	0.91	0.48	0.10	60.25	0150-1

Table 10B: Variation in Sterane Distribution (peak height) SIR for Well NOCS 25/2-10

Depth unit of measure: m

Depth	Lithology	Ratio1	Ratio2	Ratio3	Ratio4	Ratio5	Ratio6	Ratio7	Ratio8	Ratio9	Ratio10	Sample
1390.00	Sltst	0.66	44.38	75.05	1.12	0.77	0.48	0.35	0.60	0.80	2.70	0014-1
2630.00	S/Sst	0.56	34.70	73.29	0.89	0.80	0.16	0.11	0.58	0.53	2.10	0106-1
2888.00	S/Sst	0.70	45.11	77.11	1.30	0.79	0.37	0.25	0.63	0.82	3.07	0150-1

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>
1390.00	Sltst	0.60	0.60	0.35	0.33	0.43	0014-1
2630.00	S/Sst	0.44	0.36	0.24	0.24	0.40	0106-1
2888.00	S/Sst	0.64	0.63	0.35	0.35	0.46	0150-1

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 25/2-10

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>
1390.00	Sltst	0.56	0.43	0.42	0.36	0014-1
2630.00	S/Sst	0.33	0.21	0.20	0.16	0106-1
2888.00	S/Sst	0.27	0.19	0.17	0.14	0150-1

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>
1390.00	Sltst	0.39	1.00	0014-1
2630.00	S/Sst	0.56	0.75	0106-1
2888.00	S/Sst	0.71	0.61	0150-1

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

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

Table 10F: Raw GCMS triterpane data (peak height) SIR for Well NOCS 25/2-10

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			
1390.00	sltst	401395.2	234681.7	114291.6	168736.0	63616.0	269225.2	220493.0	132816.0	649972.0	0014-1
		79031.0	94892.5	660407.5	87613.4	259274.4	265877.9	73885.4	150867.8		
		100588.0	92756.2	68814.2	47866.1	31587.4	47315.9	29125.7			
2630.00	S/Sst	355581.0	195869.7	117461.1	168467.4	90048.3	496352.0	491856.0	66971.3	2536512.0	0106-1
		85350.0	242606.0	3477803.3	336849.5	1571742.3	1165236.1	272755.0	1233000.0		
		833723.1	859784.8	548759.6	518981.8	329815.5	539749.3	347322.1			
2888.00	S/Sst	545124.8	296705.7	152133.5	250779.0	104548.6	303320.7	295911.6	88050.2	875573.6	0150-1
		38142.4	90148.6	970482.8	96304.0	288349.6	199984.0	43318.3	162006.5		
		106890.9	100764.0	61274.6	45276.0	31306.9	46404.1	29027.4			

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					
1390.00	Slstst	295029.8	101000.0	243931.1	167040.5	71638.1	69029.8	112838.5	85149.4	123678.7	0014-1
		193737.9	163935.7	126347.4	147980.0	54903.5	56429.8	95651.9	117732.4		
		39232.0	75320.3	132364.9	122963.1	94400.4					
2630.00	S/Sst	156977.6	68934.4	310490.6	207447.8	81414.9	108697.2	148472.3	107277.7	175310.6	0106-1
		322746.9	278420.4	244233.7	202296.2	91166.9	75615.8	178054.5	205756.4		
		131495.8	179523.4	377107.8	332713.5	337866.3					
2888.00	S/Sst	224024.8	124470.9	410418.6	253364.7	113208.8	108121.5	192576.2	116979.0	172186.3	0150-1
		295798.8	238326.8	179198.0	167263.4	69209.7	80497.2	147742.3	160828.3		
		61268.7	98469.3	197298.6	170305.6	119817.3					

Table 10H: Raw GCMS triaromatic sterane data (peak height) for Well NOCS 25/2-10

Depth unit of measure: m

Depth	Lithology	a1	b1	c1	d1	e1	f1	g1	Sample
1390.00	Sltst	162293.3	163162.9	73852.4	212211.8	116073.9	100386.3	108780.3	0014-1
2630.00	S/Sst	228444.2	165536.0	144883.0	338773.3	292413.4	156212.0	292452.0	0106-1
2888.00	S/Sst	86370.9	81413.3	51973.0	103053.2	66343.0	43221.9	47837.7	0150-1

Table 10I: Raw GCMS monoaromatic sterane data (peak height) for Well NOCS 25/2-10

Depth unit of measure: m

Depth	Lithology	a1	b1	c1	d1	e1	f1	g1	h1	i1	Sample
1390.00	Sltst	139649.5	81105.8	66646.8	52643.1	109248.0	26331.2	87114.3	51666.0	0.0	0014-1
2630.00	S/Sst	182243.2	99966.5	177250.3	211488.0	366404.8	48756.5	343218.5	290664.3	97285.1	0106-1
2888.00	S/Sst	77712.6	49994.2	104099.2	115070.5	209168.7	28676.6	176991.2	91464.5	31103.9	0150-1