

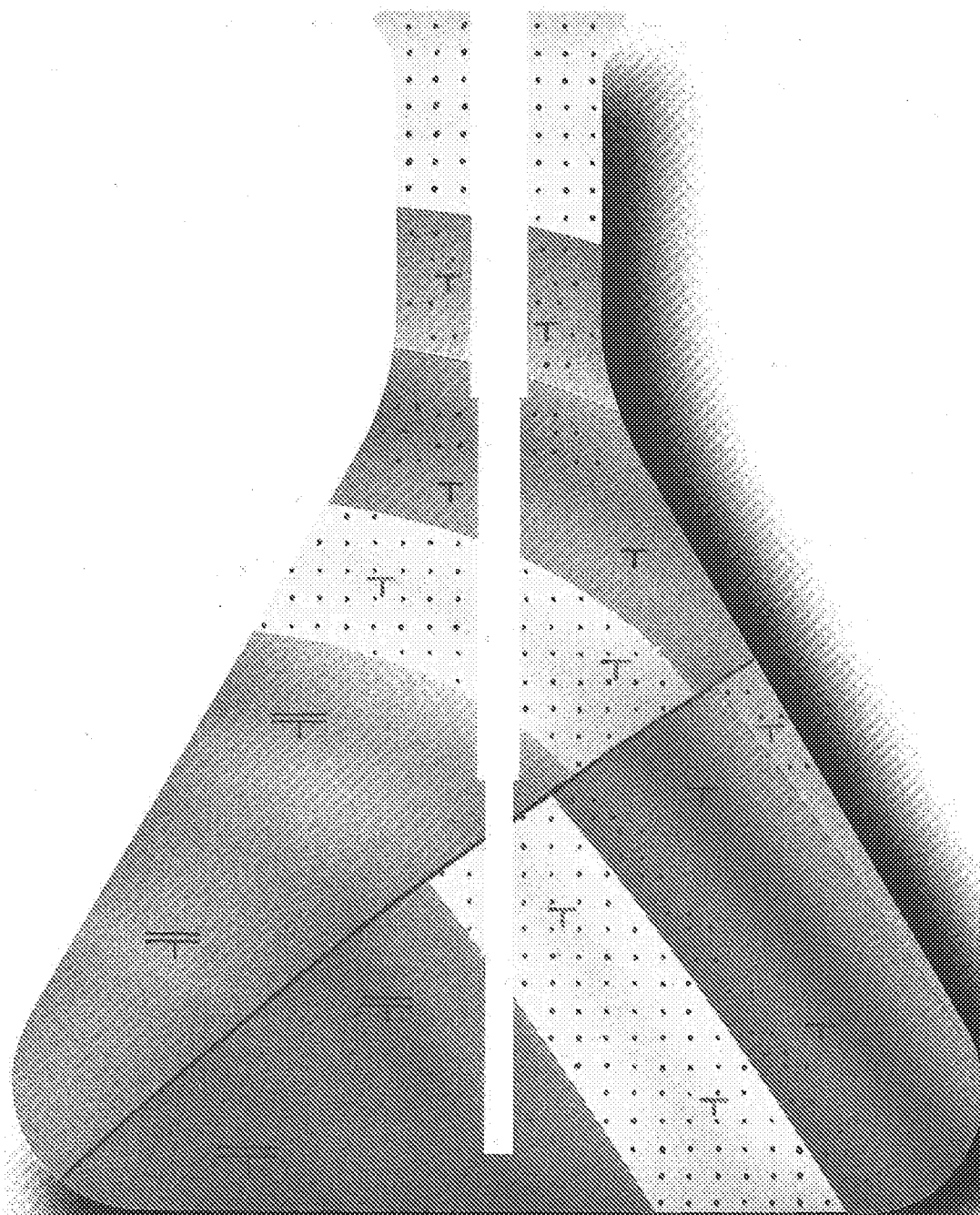
# DATA REPORT, WELL 6609/11-1,

6407/7-2, 6407/7-1, 30/7-7, 31/4-9



A0039218

R-030460



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REPORT : Data Report , Well 6609/11-1, 6407/7-2  
6407/7-1, 30/7-7, 31/4-9

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CLIENTS REF : 550497

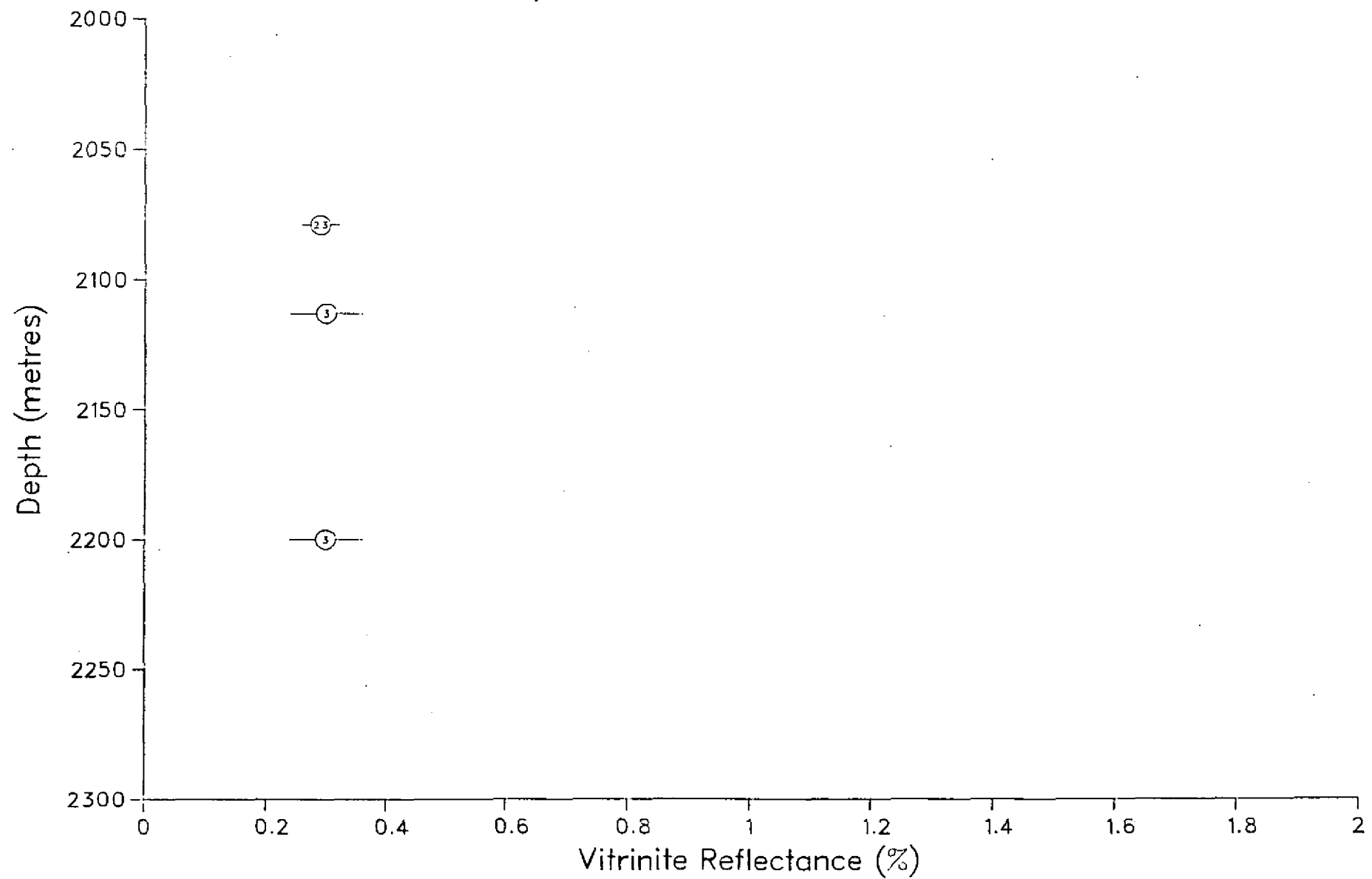
6609/11-1

Table 1 : Thermal Maturity Data for well NOCS 6609/11-1

Depth unit of measure: m

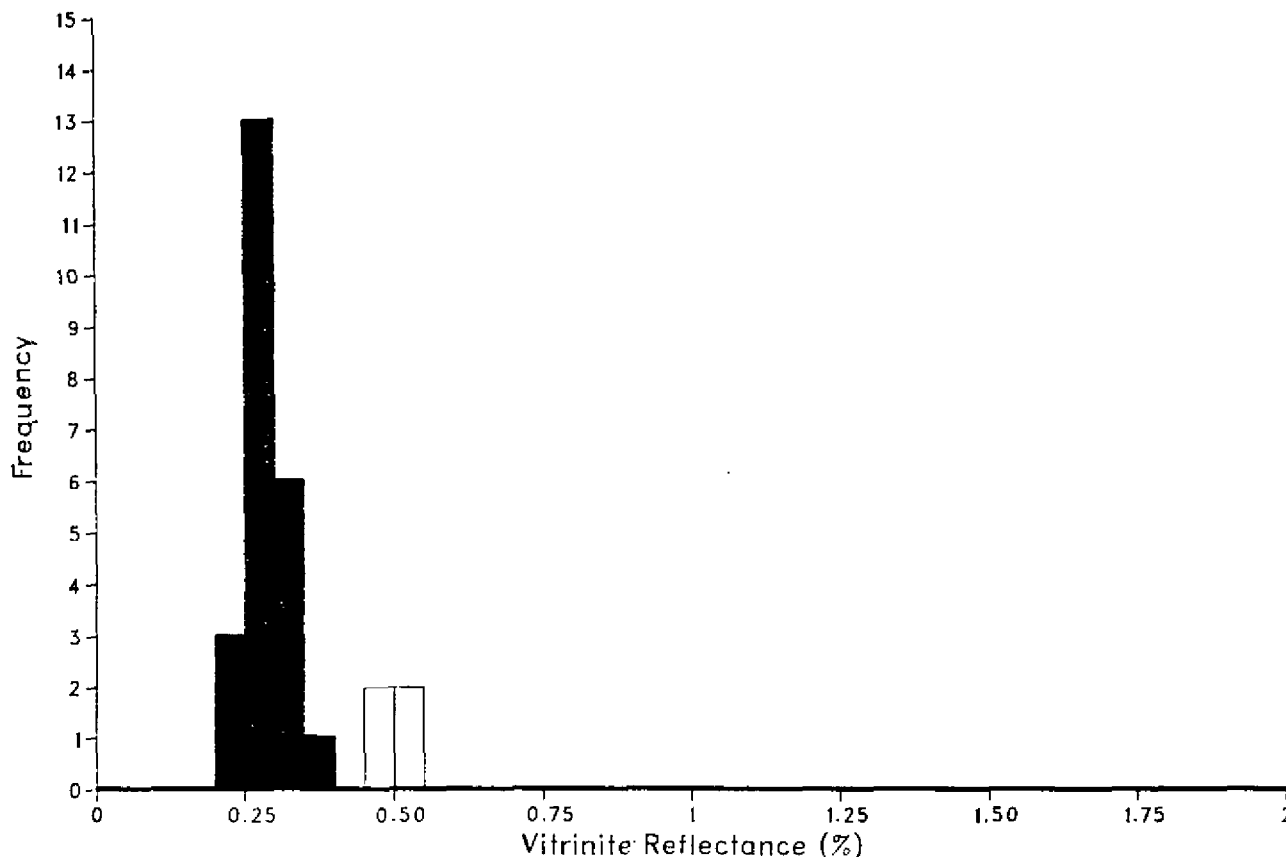
Depth	Typ Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	T <sub>max</sub> (°C)	Sample
2071.00	cut bulk	-	-	-	-	3	001-0B
2079.00	cut bulk	0.29	23	0.03	4+5	4?	002-0B
2087.00	cut bulk	-	-	-	-	3.5 - 4?	003-0B
2100.00	cut bulk	-	-	-	-	NDP	004-0B
2113.00	cut bulk	0.30	3	0.06	4+5	4?	005-0B
2126.00	cut bulk	-	-	-	-	4?	006-0B
2140.00	cut bulk	-	-	-	-	4? 5?	007-0B
2179.00	cut bulk	-	-	-	-	NDP	008-0B
2200.00	cut bulk	0.30	3	0.06	4	4	009-0B
2219.00	cut bulk	-	-	-	-	4? 4.5?	010-0B

Figure 1 : Vitrinite Reflectance versus Depth  
Well NOCS 6609/11-1



# Vitrinite Reflectance Histogram

Well: NOCS 6609/11-1  
Depth: 2079.00(m)  
Sample: 2-0b

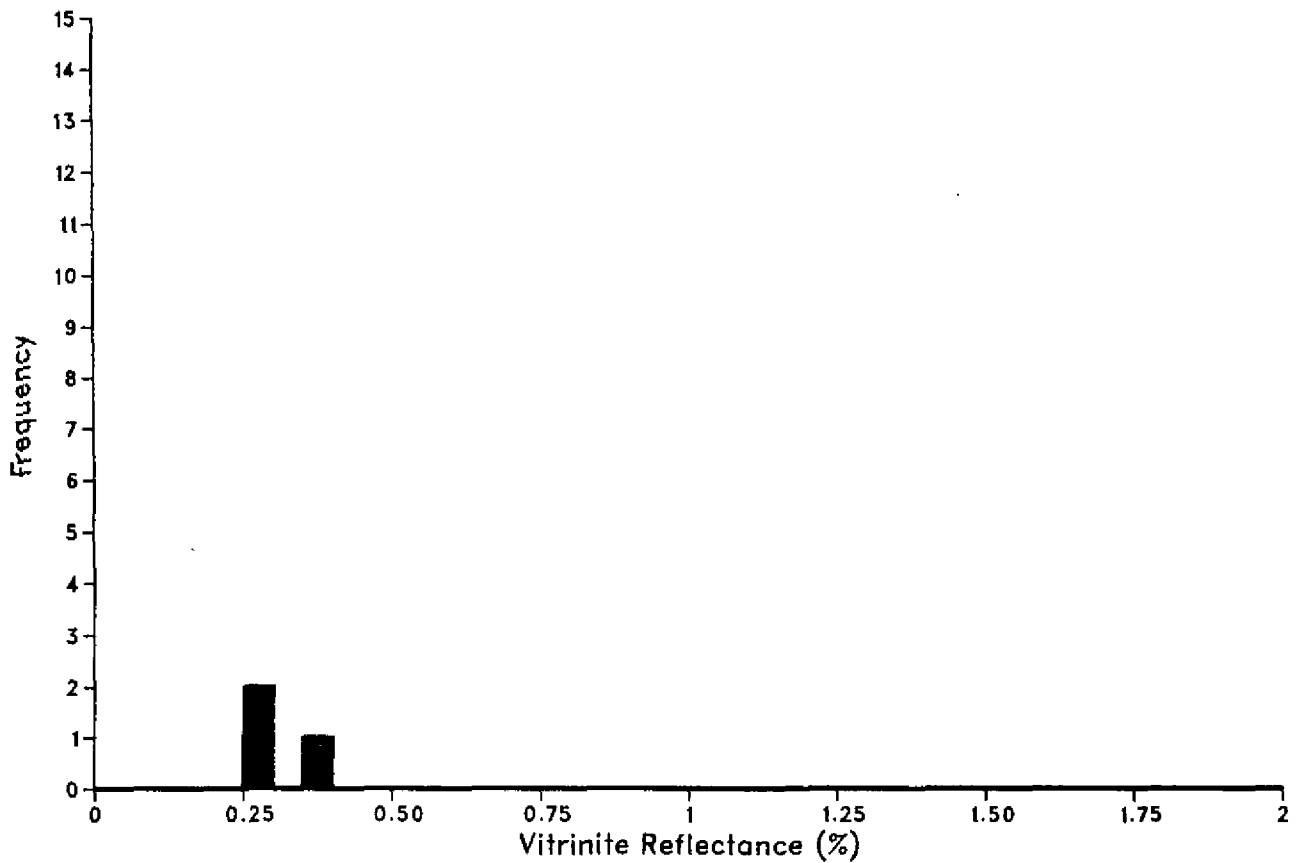


Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.200 to 0.400):	0.29	0.03	23
Population Two (from 0.450 to 0.550):	0.50	0.03	4

Readings:									
0.236	0.238	0.247	0.269	0.270	0.272	0.281	0.282	0.284	0.285
0.285	0.286	0.290	0.290	0.296	0.298	0.304	0.317	0.324	0.335
0.339	0.340	0.375	0.475	0.482	0.526	0.530			

# Vitrinite Reflectance Histogram

Well: NOCS 6609/11-1  
Depth: 2113.00(m)  
Sample: 5-0b

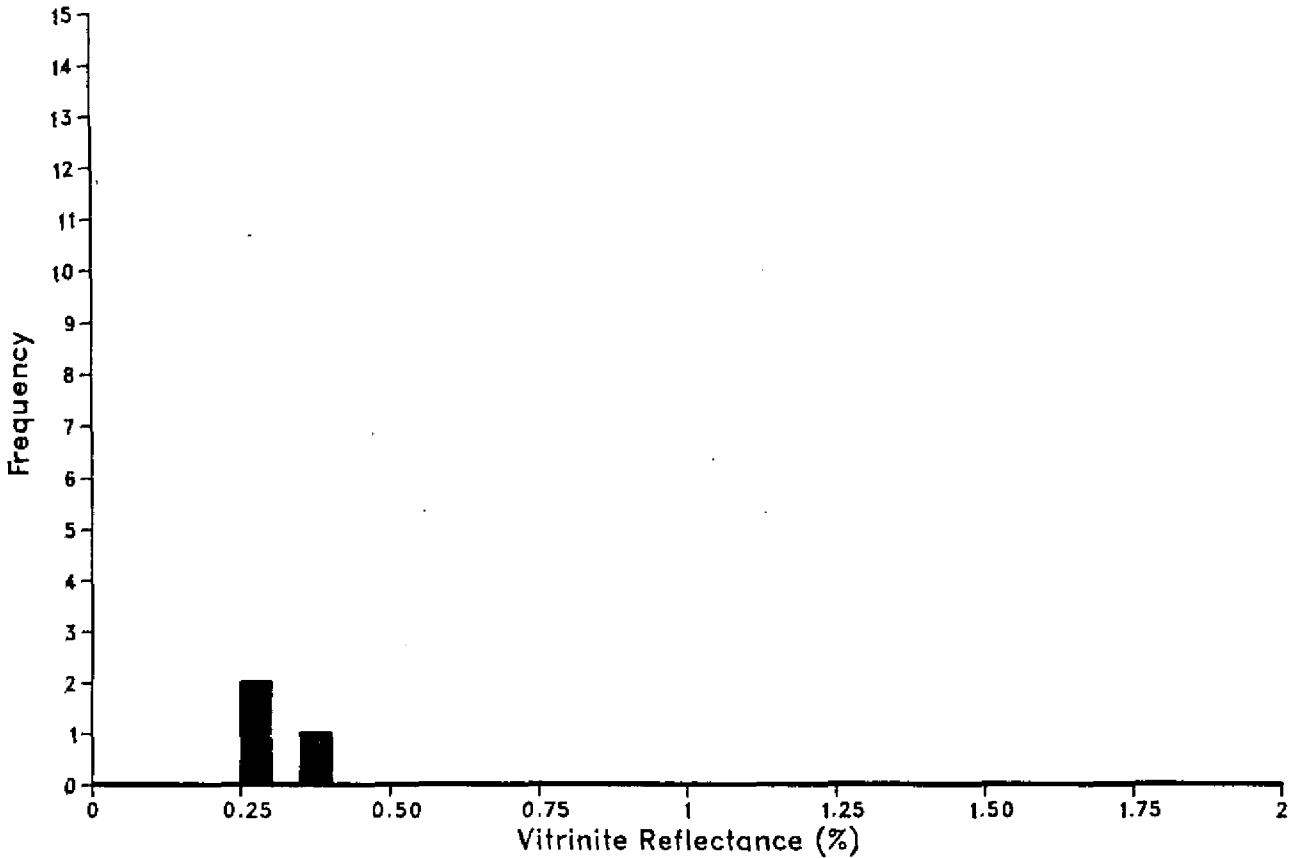


Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.250 to 0.400):	0.30	0.06	3

Readings:
0.262 0.277 0.370

# Vitrinite Reflectance Histogram

Well: NOCS 6609/11-1  
Depth: 2200.00(m)  
Sample: 9- 0b



Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.250 to 0.400):	0.30	0.06	3

Readings:
0.262 0.277 0.370



6407/7-2

Table 1 : Thermal Maturity Data for well NOCS 6407/7-2

Depth unit of measure: m

Depth	Typ	Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	T <sub>max</sub> (°C)	Sample
2638.00	cut	bulk	-	-	-	-	4	001-0B
2640.00	cut	bulk	0.38	19	0.03	4	4.5?	002-0B
2650.00	cut	bulk	-	-	-	-	4	003-0B
2653.00	cut	bulk	-	-	-	-	4 - 4.5?	004-0B
2661.00	cut	bulk	0.41	21	0.04	4	5?	005-0B
2678.80	cut	bulk	-	-	-	-	5?	006-0B
2681.75	cut	bulk	-	-	-	-	4? 4.5?	007-0B
2739.40	cut	bulk	0.42	11	0.04	4	4?	008-0B

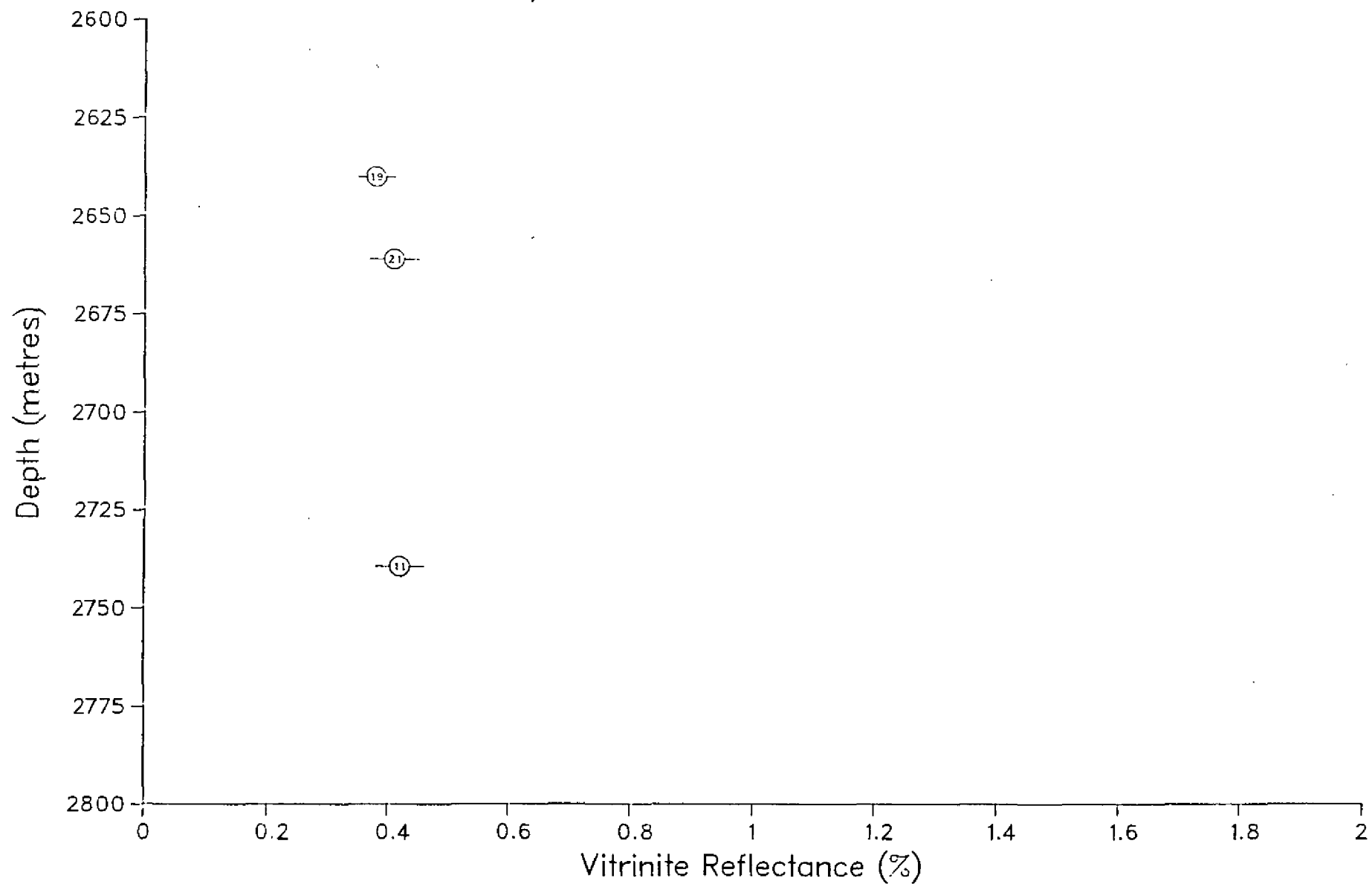
Table 2 : Visual Kerogen Composition Data for well NOCS 6407/7-2

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	i
			P	r	D	P	i	s	g	o	r	t	E	R	S	F	D	r	e	t	R	i	l	D	r	t	
			T	r	e	o	c	i	a	f	i	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	Sample	
2638.00	cut	bulk	30	*	**	*							10	*	*				60		*	**				001-0B	
2640.00	cut	bulk	30	*	**	*	*						20	*	*				50	*	**	*				002-0B	
2650.00	cut	bulk	25	*	*	*							25	*	*				50		*	**				003-0B	
2653.00	cut	bulk	15?		*	*							30?	*	*	*			55?	*	*					004-0B	
2661.00	cut	bulk	20		*	*							25	**	*				55		*	*				005-0B	
2678.80	cut	bulk	15	*	**	*							35	*	**	*			50		*	*				006-0B	
2681.75	cut	bulk	20		**	*		?					10	*	**				70		*	**				007-0B	
2739.40	cut	bulk	50		**	*		?	*				10	*	*				40		*					008-0B	

Figure 1: Vitrinite Reflectance versus Depth

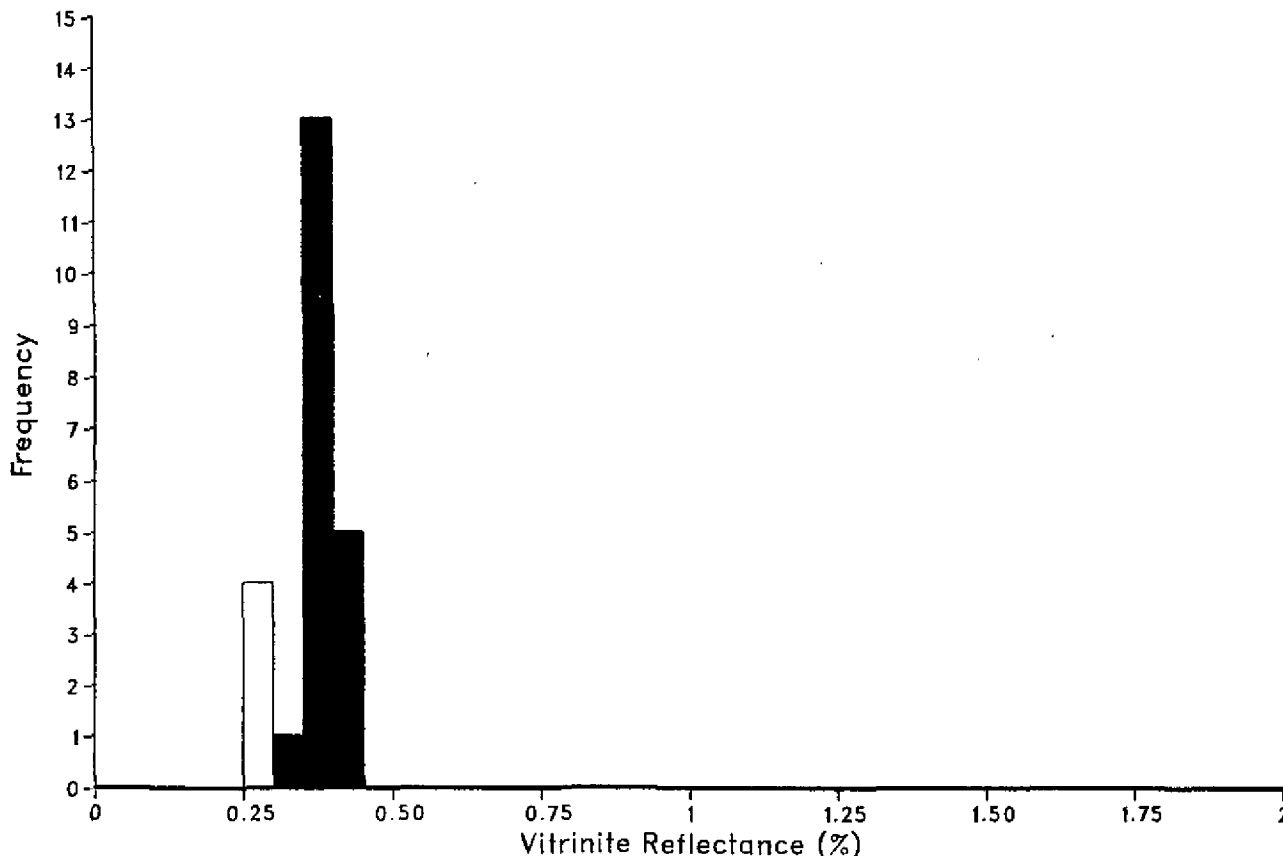
Well NOCS 6407/7-2



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# Vitrinite Reflectance Histogram

Well: NOCS 6407/7-2  
Depth: 2640.00(m)  
Sample: 2-0b

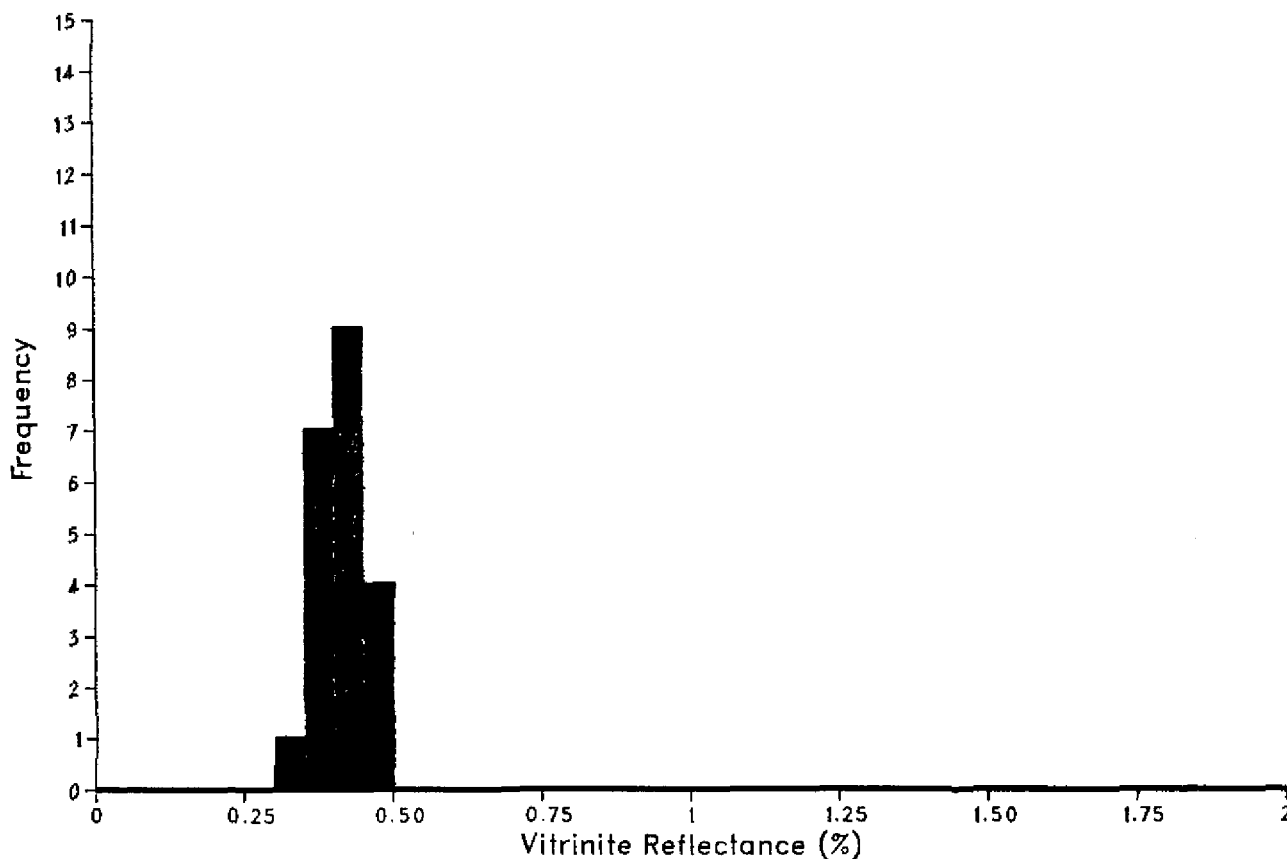


Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.300 to 0.450):	0.38	0.03	19
Population Two (from 0.250 to 0.300):	0.28	0.00	4

Readings:									
0.273	0.277	0.281	0.293	0.320	0.351	0.354	0.355	0.355	0.356
0.364	0.364	0.369	0.371	0.371	0.376	0.376	0.387	0.409	0.414
0.417	0.418	0.447							

# Vitrinite Reflectance Histogram

Well: NOCS 6407/7-2  
Depth: 2661.00(m)  
Sample: 5-0b

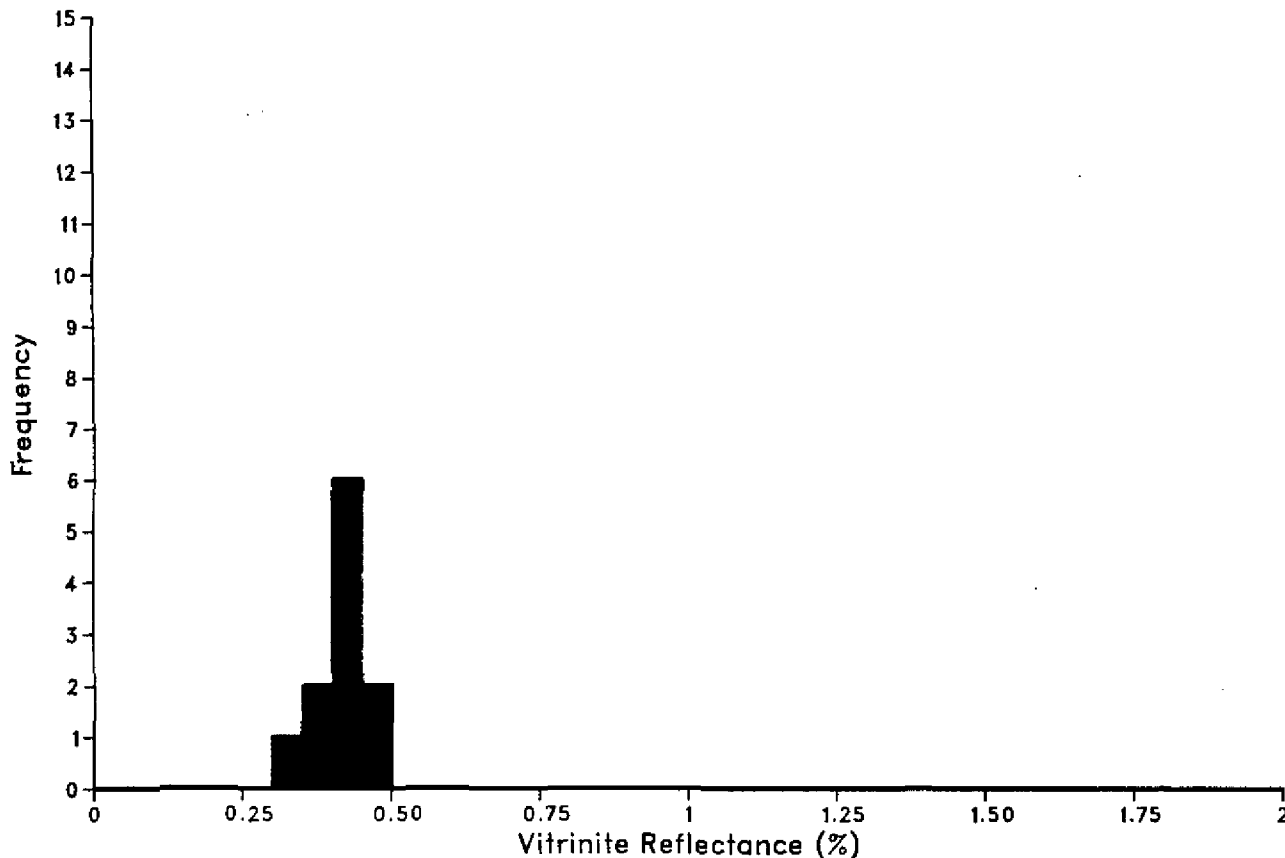


Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.300 to 0.500):	0.41	0.04	21

Readings:									
0.336	0.351	0.362	0.371	0.378	0.380	0.380	0.392	0.402	0.416
0.422	0.422	0.422	0.426	0.431	0.440	0.448	0.459	0.468	0.471
0.472									

# Vitrinite Reflectance Histogram

Well: NOCS 6407/7-2  
Depth: 2739.40(m)  
Sample: 8-0b



Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.300 to 0.500):	0.42	0.04	11

Readings:									
0.336	0.371	0.380	0.402	0.422	0.422	0.431	0.440	0.448	0.468
0.472									

6407/7-1



Table 1 : Thermal Maturity Data for well NOCS 6407/7-1

Depth unit of measure: m

Depth	Typ	Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	T <sub>max</sub> (°C)	Sample
2700.00	cut	bulk	0.40	28	0.05	4	4.5?	001-0B
2703.00	cut	bulk	-	-	-	-	4.5?	002-0B
2705.50	cut	bulk	-	-	-	-	4.5	003-0B
2712.00	cut	bulk	-	-	-	-	NDP	004-0B
2714.20	cut	bulk	-	-	-	-	NDP	005-0B
2718.04	cut	bulk	-	-	-	-	4.5 - 5?	006-0B
2720.05	cut	bulk	-	-	-	-	NDP	007-0B
2723.12	cut	bulk	NDP	-	-	0	NDP	008-0B
2726.05	cut	bulk	-	-	-	-	NDP	009-0B
2757.00	cut	bulk	-	-	-	-	4.5 - 5?	010-0B
2765.04	cut	bulk	-	-	-	-	NDP	011-0B
2780.60	cut	bulk	0.42	3	0.03	5	NDP	012-0B

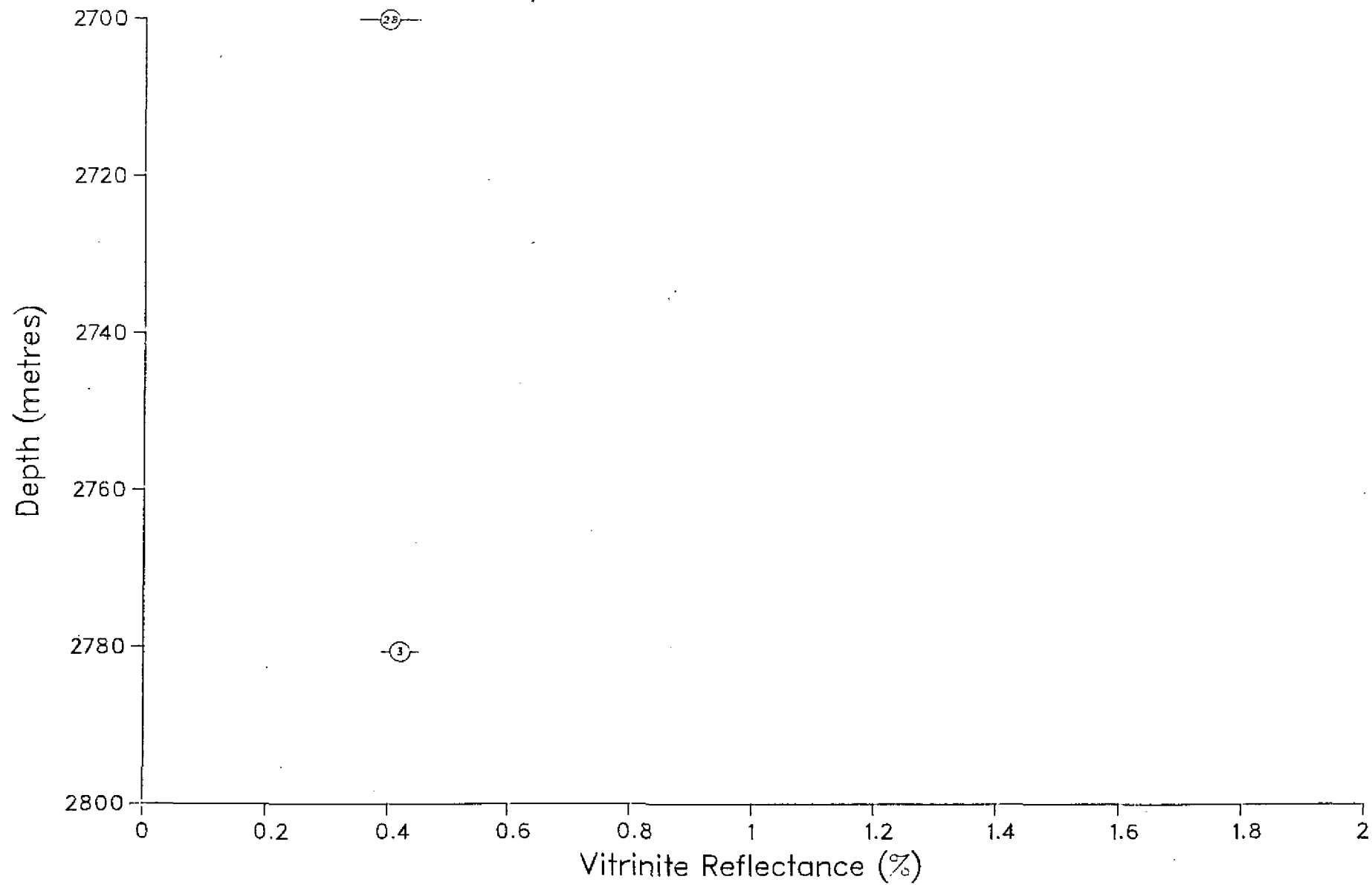
Table 2 : Visual Kerogen Composition Data for well NOCS 6407/7-1

Depth unit of measure: m

Depth	Typ	Lithology	L	A	L	S	C	D			I	S	I	M	S	V	C	V	A	Sample					
			P	m	i	p	u	R	A	A	B	N	F	n	c	B	I	T	i		m				
			T	r	D	P	i	s	g	o	r	t	D	r	e	t	e	l	d						
			%	L	t	l	l	n	e	l	t	L	%	n	s	t	n	o	I	%	n	n	t	V	V
2700.00	cut	bulk	30	*	**	*						10	*	*		60	*	**							001-0B
2703.00	cut	bulk	15		**	*						15	*	**		70	*	**							002-0B
2705.50	cut	bulk	70		*	**						15	*	*		15	*	*							003-0B
2712.00	cut	bulk	NDP									NDP				NDP									004-0B
2714.20	cut	bulk	10?		*							40?		*		50?		*							005-0B
2718.04	cut	bulk	15		**	*						40	*	**		45		**	*						006-0B
2720.05	cut	bulk	TR		*	*						60	**	*		40	*	*							007-0B
2723.12	cut	bulk	NDP									NDP				NDP									008-0B
2726.05	cut	bulk	TR									60	*	*		40	*	*							009-0B
2757.00	cut	bulk	10?		*	*						40?	?	*	*	50?	*	*	*						010-0B
2765.04	cut	bulk	NDP									NDP				NDP									011-0B
2780.60	cut	bulk	NDP									NDP				NDP									012-0B

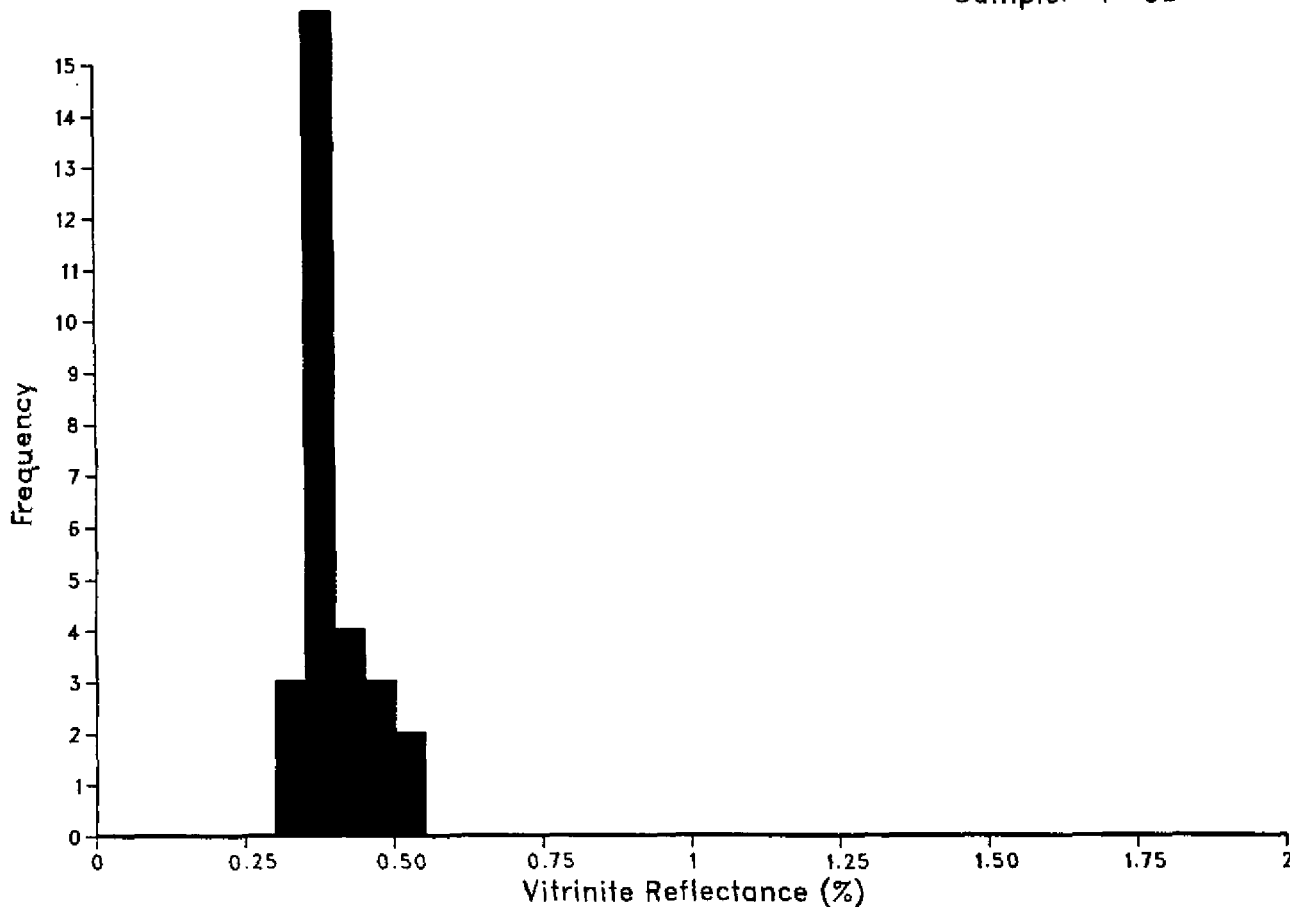
Figure 1 : Vitrinite Reflectance versus Depth

Well NOCS 6407/7-1



# Vitrinite Reflectance Histogram

Well: NOCS 6407/7-1  
Depth: 2700.00(m)  
Sample: 1- 0b



Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.300 to 0.550):	0.40	0.05	28

Readings:									
0.335	0.346	0.348	0.355	0.361	0.365	0.367	0.370	0.371	0.372
0.373	0.379	0.384	0.389	0.394	0.395	0.396	0.397	0.399	0.409
0.416	0.421	0.442	0.467	0.473	0.481	0.501	0.516		

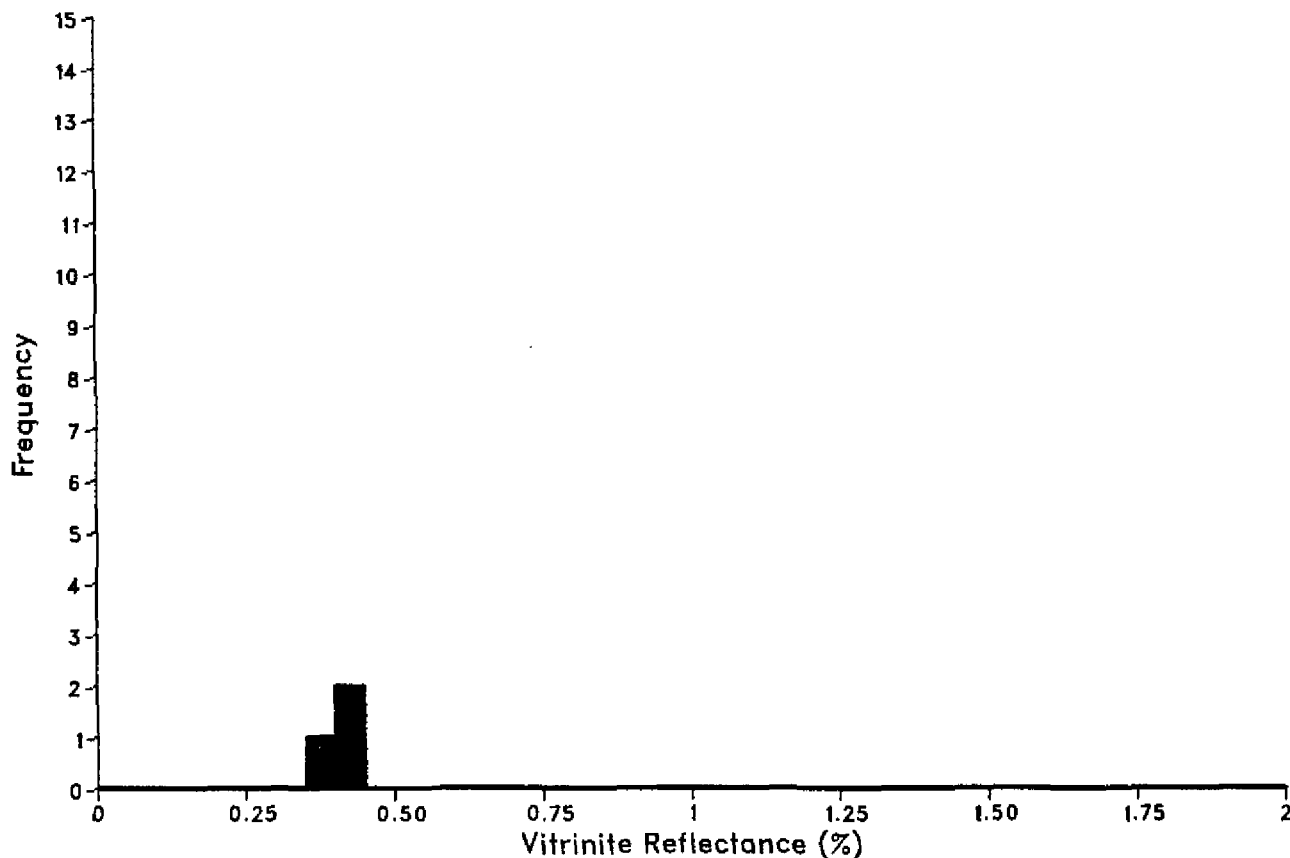
Table 2 : Visual Kerogen Composition Data for well NOCS 6609/11-1

Depth unit of measure: m

Depth	Typ	Lithology	L	A	L	S	C	D			I	S	I	M	S	V	C	V	A	Sample			
			P	m	i	p	u	R	A	A	B	N	F	S	I	B	I	T	V		A		
			T	r	D	P	t	e	l	n	c	r	t	R	I	D	e	r	I				
			%	L	t	l	l	n	e	l	t	L	%	n	s	t	n	o	I	%	n	V	
2071.00	cut	bulk	20	**	**			?					5	*	*				75	**	*	001-0B	
2079.00	cut	bulk	10?	**	*			?					5?	*	*				85?	*	*	**	002-0B
2087.00	cut	bulk	15	**	*								5	*	*				80	*	**	*	003-0B
2100.00	cut	bulk	10	*	*								15	*	*				75	*	**		004-0B
2113.00	cut	bulk	20	*	**	*							15	*	*				65	**	*		005-0B
2126.00	cut	bulk	25	*	**	*							15	*	**	**			60	*	**		006-0B
2140.00	cut	bulk	15	**	*								15	*	**				70	*	**		007-0B
2179.00	cut	bulk	15	*									10		*				75	**	*		008-0B
2200.00	cut	bulk	10	*									20		*				70	*			009-0B
2219.00	cut	bulk	25?	**	*								25?	?	*	**			50	*	**		010-0B

# Vitrinite Reflectance Histogram

Well: NOCS 6407/7-1  
Depth: 2780.60(m)  
Sample: 12-0b



Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.350 to 0.450):	0.42	0.03	3

Readings:  
0.390 0.431 0.442

30/7-7

Table 1 : Thermal Maturity Data for well NOCS 30/7-7

Depth unit of measure: m

Depth	Typ	Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	T <sub>max</sub> (°C)	Sample
3895.00	cut	bulk	-	-	-	-	NDP	001-0B
3899.00	cut	bulk	0.85	26	0.06	0	-	002-0B
3902.00	cut	bulk	-	-	-	-	7.5?	003-0B
3910.00	cut	bulk	0.77	10	0.07	0	NDP	004-0B
3928.00	cut	bulk	-	-	-	-	8?	005-0B
4070.00	cut	bulk	0.92	26	0.09	0	NDP	006-0B
4167.00	cut	bulk	-	-	-	-	NDP	007-0B
4205.00	cut	bulk	-	-	-	-	NDP	008-0B
4381.00	cut	bulk	1.08	12	0.06	0	NDP	009-0B
4478.00	cut	bulk	-	-	-	-	8?	010-0B
4500.00	cut	bulk	NDP	-	-	0	NDP	011-0B

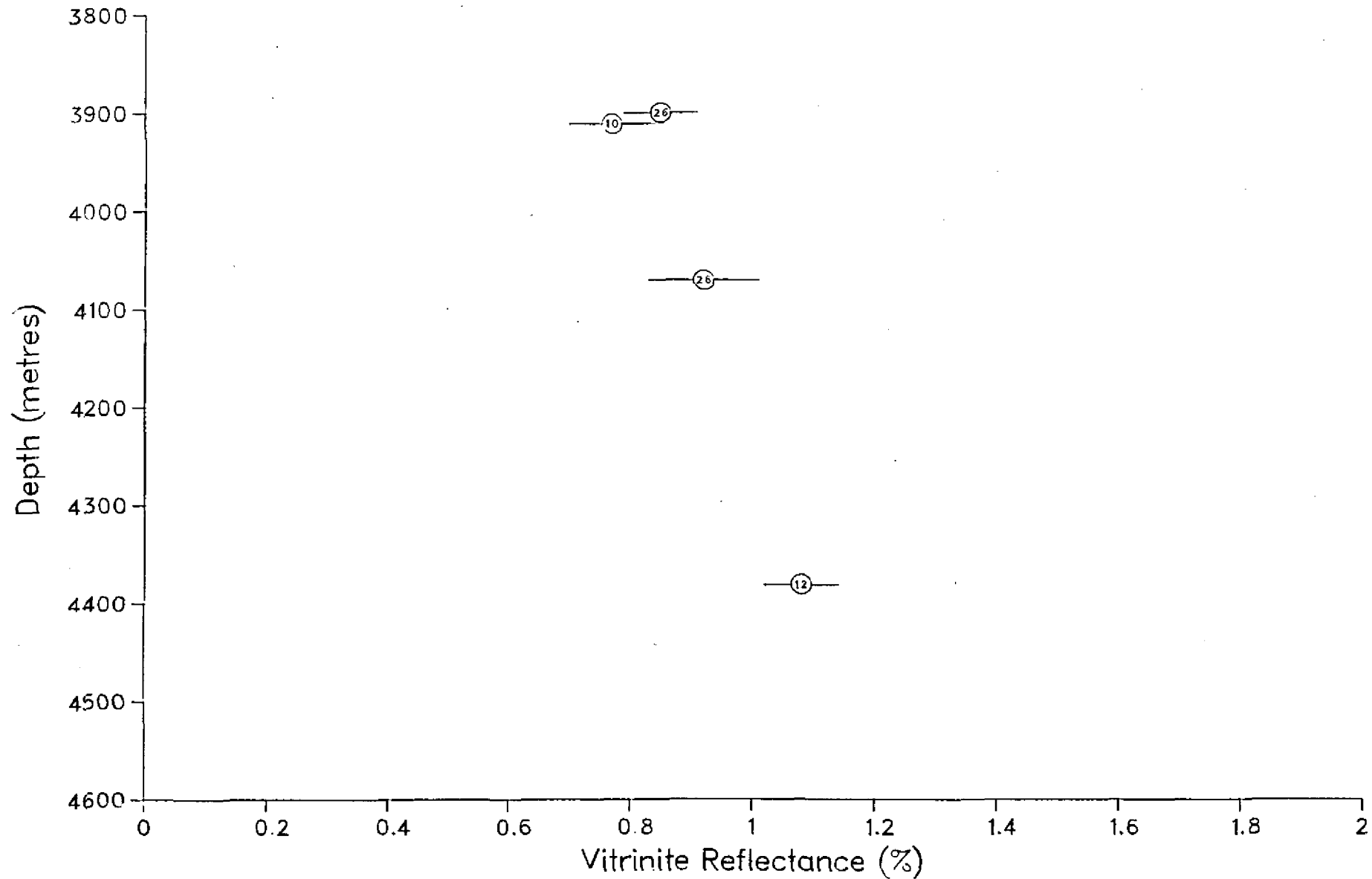


Table 2 : Visual Kerogen Composition Data for well NOCS 30/7-7

Depth unit of measure: m

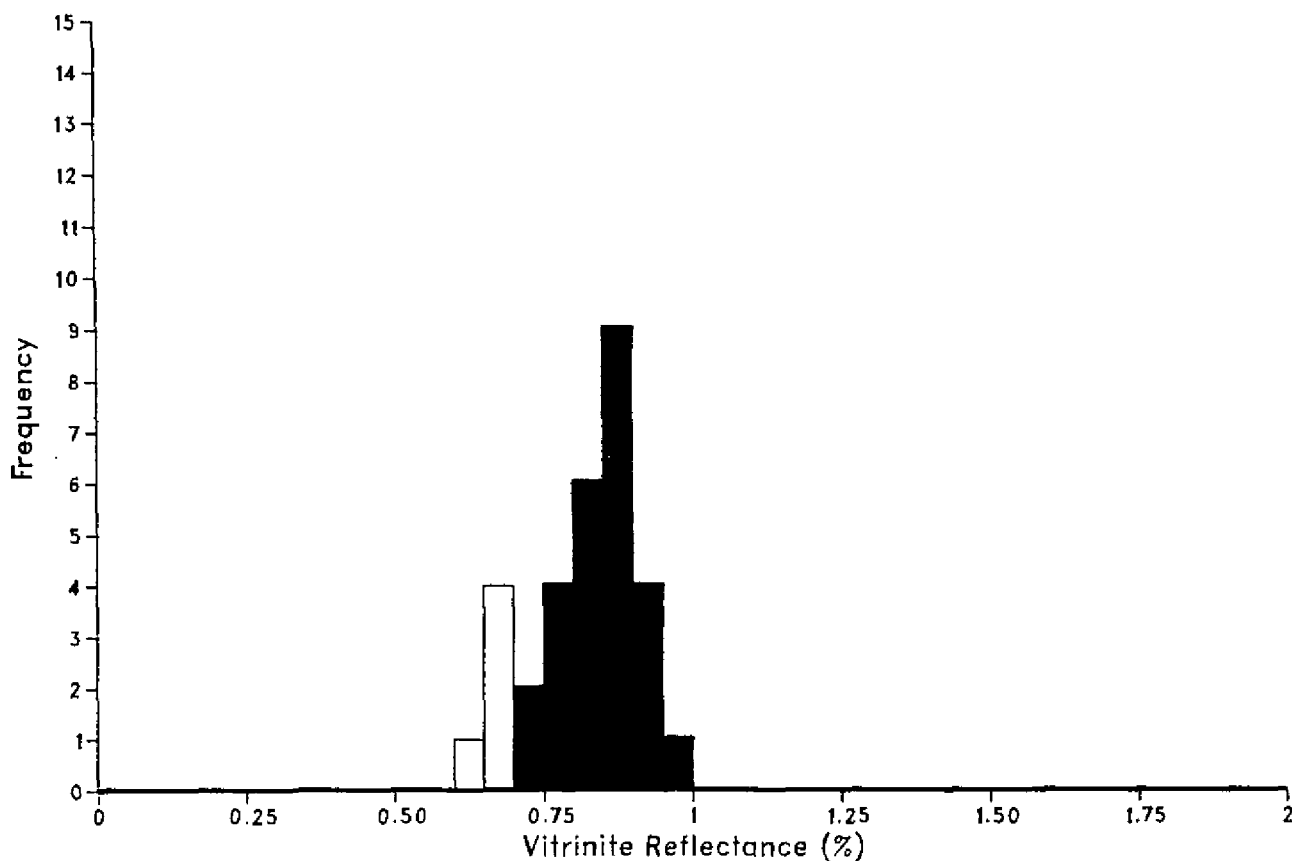
Depth	Typ	Lithology	L	A	L	S	C	D	I	S	I	M	S	V	C	V	A	Sample									
			I	m	i	p	u	R	A	A	B	N	F	e	n	i	c		B	I	T	o	i	m	B		
			P	o	p	/	t	e	R	s	F	D	r	e	T	e	l	D	r								
			T	r	D	P	i	s	g	o	r	t		R	i	e											
			%	L	t	l	l	n	e	l	t	L	%	n	s	t	n	o	I	%	n	n	t	V	V	Sample	
3895.00	cut	bulk	NDP											NDP												001-0B	
3902.00	cut	bulk	20?	**	*									25	*	**	*							*	**		003-0B
3910.00	cut	bulk	10?	*										30	*	**								*	**		004-0B
3928.00	cut	bulk	5?	**	*									35?	*	*	**							*	*		005-0B
4070.00	cut	bulk	TR?											50?	*	**	*							*	**	*	006-0B
4167.00	cut	bulk	NDP											NDP													007-0B
4205.00	cut	bulk	5?	*										40	*	*								*	*		008-0B
4381.00	cut	bulk	5?	*										20?	*	**								**	*		009-0B
4478.00	cut	bulk	10?	**	*									20?	*	**								*	**		010-0B
4500.00	cut	bulk	TR?											40?													011-0B

Figure 1 : Vitrinite Reflectance versus Depth  
Well NOCS 30/7-7



# Vitrinite Reflectance Histogram

Well: NOCS 30/7-7  
Depth: 3899.00(m)  
Sample: 2-0b

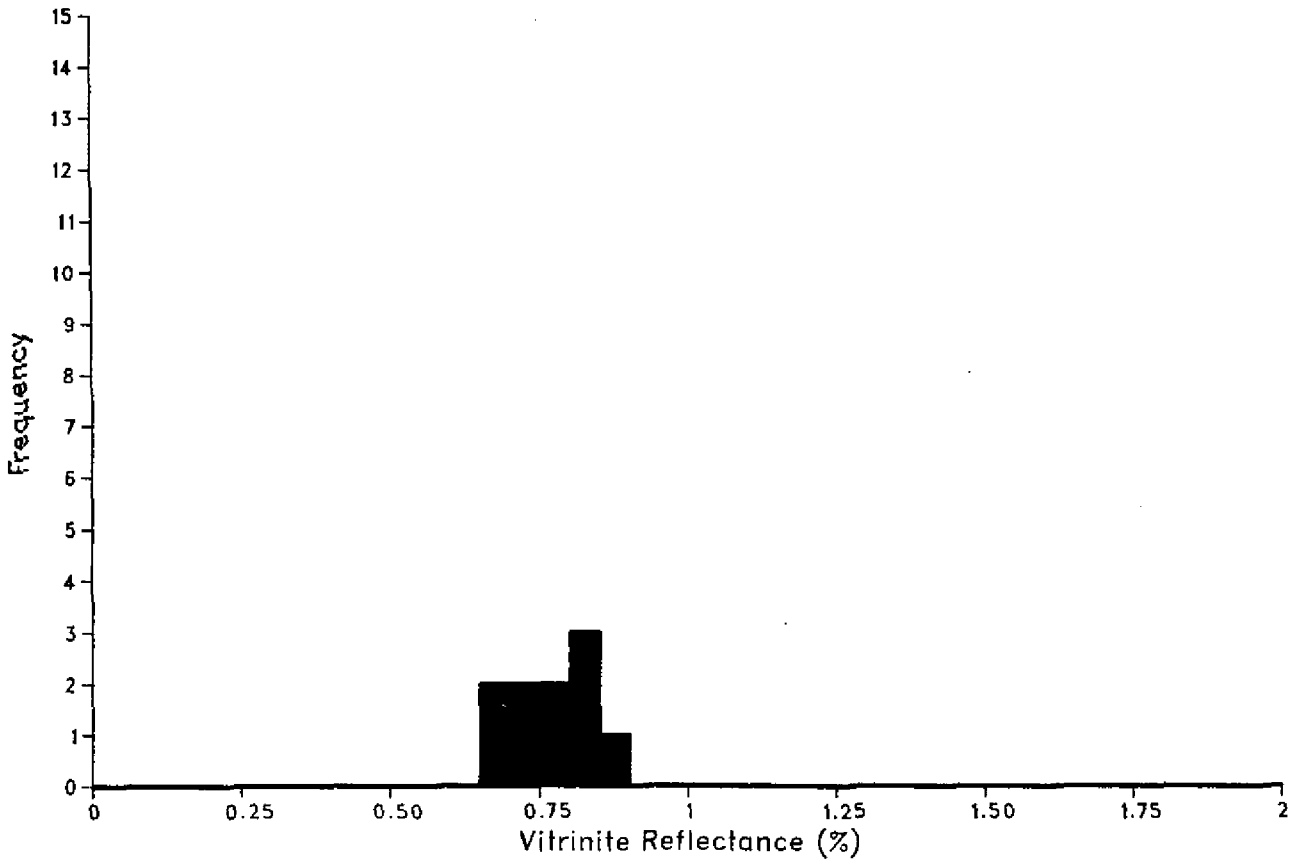


Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.700 to 1.000):	0.85	0.06	26
Population Two (from 0.600 to 0.700):	0.67	0.01	5

Readings:									
0.649	0.673	0.677	0.678	0.685	0.734	0.743	0.752	0.753	0.792
0.796	0.804	0.811	0.820	0.824	0.844	0.845	0.857	0.858	0.864
0.865	0.866	0.869	0.887	0.896	0.898	0.903	0.913	0.919	0.919
0.994									

# Vitrinite Reflectance Histogram

Well: NOCS 30/7-7  
Depth: 3910.00(m)  
Sample: 4-0b

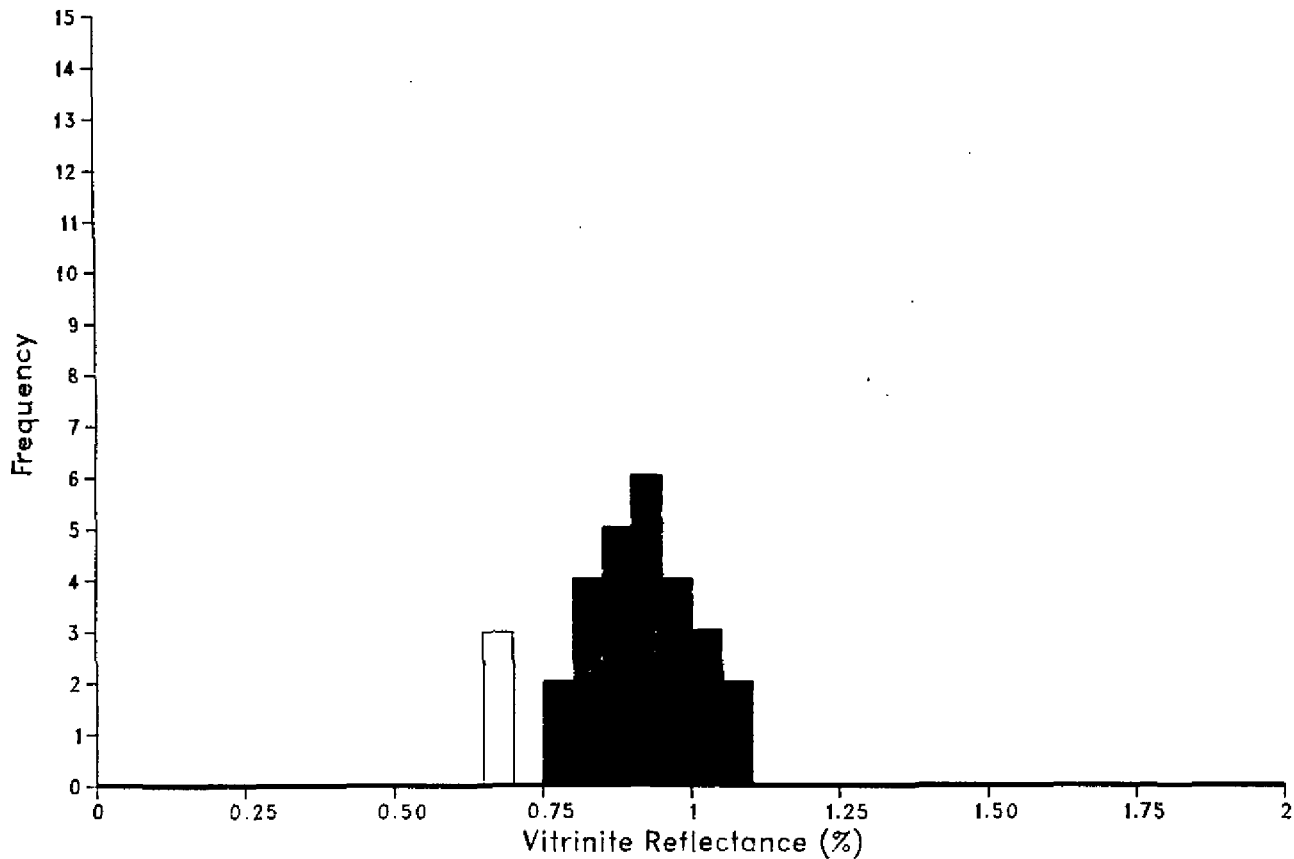


Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.650 to 0.900):	0.77	0.07	10

Readings:  
0.680 0.689 0.723 0.741 0.767 0.773 0.810 0.814 0.832 0.893

# Vitrinite Reflectance Histogram

Well: NOCS 30/7-7  
Depth: 4070.00(m)  
Sample: 6-0b

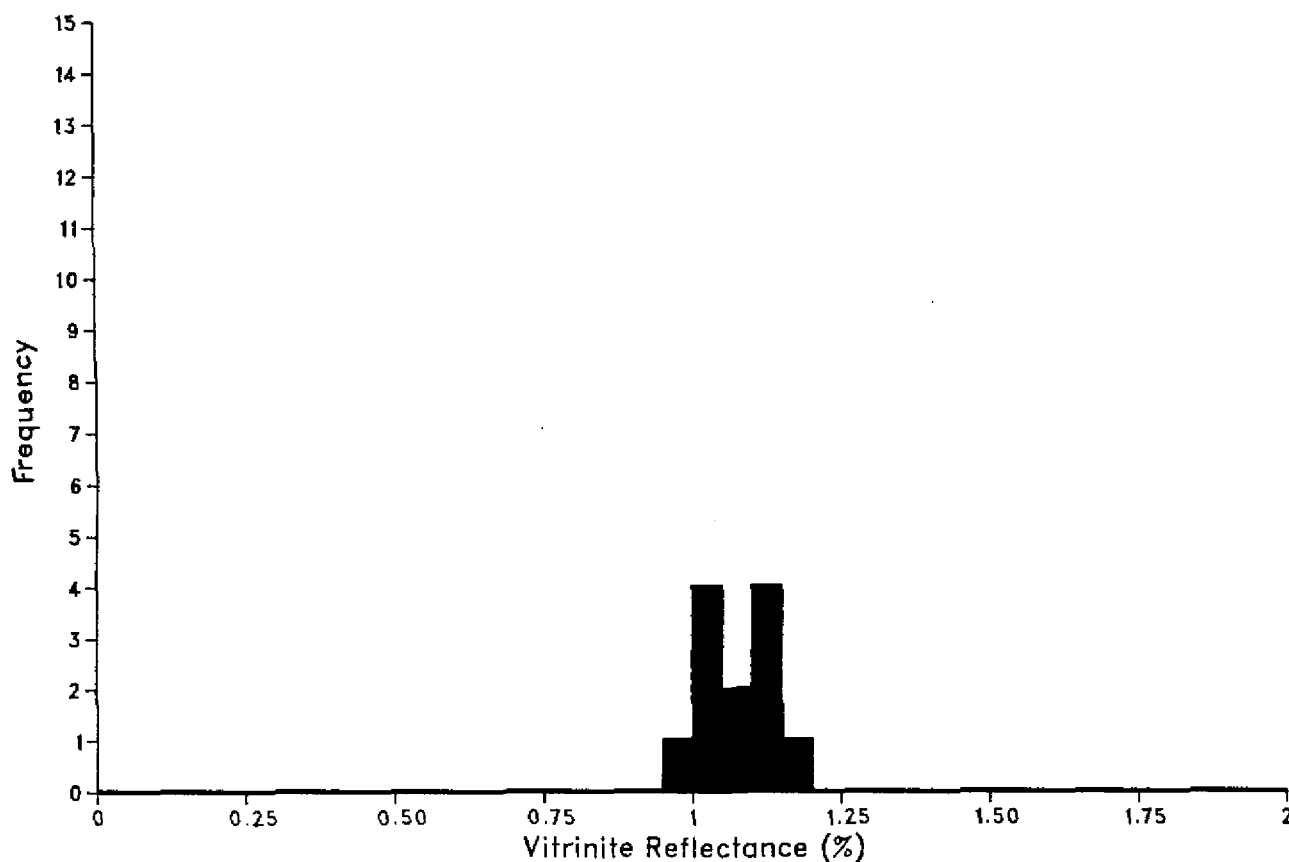


Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.750 to 1.100):	0.92	0.09	26
Population Two (from 0.650 to 0.700):	0.68	0.00	3
Population Three (from 1.000 to 1.575):	1.04	0.02	5
Population Five (from 0.975 to 1.000):	0.99	0.00	4

Readings:									
0.680	0.682	0.689	0.773	0.775	0.810	0.814	0.817	0.832	0.853
0.863	0.880	0.885	0.893	0.919	0.935	0.939	0.942	0.946	0.948
0.981	0.992	0.993	0.996	1.019	1.035	1.045	1.052	1.065	

# Vitrinite Reflectance Histogram

Well: NOCS 30/7-7  
Depth: 4381.00(m)  
Sample: 9- 0b



Statistics:	Mean	St.Dev.	n
Indigenous Population (from 0.950 to 1.200):	1.08	0.06	12

Readings:									
0.984	1.000	1.025	1.047	1.050	1.093	1.098	1.105	1.130	1.141
1.146	1.173								

31/4-9

Table 1 : Visual Kerogen Composition Data for well NOCS 31/4-9

Depth unit of measure: m

Depth	Typ	Lithology	L	A	L	S	C	D			I	S	I	M	S	V	C	V	A	Sample
			P	m	i	p	u	R	A	A	B	N	F	n	c	B	I	T	e	
%			r	D	/	t	e	g	f	i	s	F	d	r	T	l	l	D	t	
			D	P	P	P	s	n	t	t	i	u	e	e	R	i	e	r	r	
			e	o	c	i	e	l	L	%	n	s	t	r	%	n	n	t	V	
			L	t	l	l	n	e	L	%	n	s	t	r	%	n	n	t	V	V
2105.15	cut	bulk	30	**	**		*	*		10	*				60	*	**			001-0B
2106.00	cut	bulk	25	**	*		?	*		5	*				70	*	**			002-0B
2106.75	cut	bulk	20	*	*					5	*				75	*	**			003-0B
2107.15	cut	bulk	10	*	?					5	*				85	*	**			004-0B
2108.45	cut	bulk	30	*	**		*	*		10	*	**			60	*	**			005-0B
2109.75	cut	bulk	30	*	**		*	*		10	*	**			60	*	**			006-0B
2110.05	cut	bulk	40	**	*		*	*		TR	*				60	*	**			007-0B
2110.60	cut	bulk	NDP							NDP					NDP					008-0B
2112.10	cut	bulk	25	**	*		*			5	*				70	*	**			009-0B
2112.90	cut	bulk	25	*						10	*				65	*	*			010-0B
2113.25	cut	bulk	20	*	**	*				5	*				75	*	**			011-0B
2114.20	cut	bulk	30	**	**		*	*		10	*	*			60	*	*			012-0B



Table 1 : Visual Kerogen Composition Data for well NOCS 31/4-9

Depth unit of measure: m

Depth	Typ	Lithology	L	A	L	S	C	D			I	F	S	I	M	S	V	C	V	A	Sample								
			P	m	i	p	u	R	A	A	B	N	F	S	I	M	S	I	T	C		V	A						
			T	r	D	P	i	s	g	n	c	r	t	E	u	F	D	r	e	t	R	T	e	l	D	r	V	V	
			%	L	t	l	l	n	e	l	t	L	%	n	s	t	n	o	I	%	n	n	t	V	V				
2114.90	cut	bulk	20?										10?						70?									013-0B	
2116.50	cut	bulk	30?		*								10?		*				60?		*	*						014-0B	
2117.50	cut	bulk	35	**	**	*		*	?				5		*				60		*	**						015-0B	
2118.60	cut	bulk	50	*	*	*		*	*				10		*	*			40		*	*						016-0B	
2119.00	cut	bulk	30?	*	*	*							10?		*	*			60?		*	*						017-0B	
2120.00	cut	bulk	40	*	*	*		?	*				20		*	*			40		*	**						018-0B	
2120.80	cut	bulk	NDP										NDP						NDP									019-0B	
2121.40	cut	bulk	TR?										5?						95?									020-0B	
2122.50	cut	bulk	20		**	*							20	*	**	*			60		*	*						021-0B	
2124.50	cut	bulk	20?		**	*							20?	*	**	*			60?		*	*						022-0B	
2130.50	cut	bulk	20		*	*							25	*	**	*			55		*	*	*					023-0B	
2137.80	cut	bulk	5		*								35	*	*				60		**	*						024-0B	

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	l	D	r
			P	r	D	P	i	s	g	o	r	t	E	u	s	F	D	r	e	t	R	n	n	t	V	V	
			T	e	o	c	i	a	f	i	t	L	R	i	n	s	t	n	o	I	%	n	n	t	V	V	Sample
			%	L	t	l	l	n	e	l	t	L	%	n	s	t	n	o	I	%	n	n	t	V	V	Sample	
2139.40	cut	bulk	5?	*					40?	*	*			55?	**	*											025-0B
2145.60	cut	bulk	5?						30?					65?													026-0B
2153.40	cut	bulk	10	*	*				30	*	*			60	**	*	**										027-0B
2155.40	cut	bulk	5	*	*				40	*	**	*		55	*	*	*										028-0B
2158.60	cut	bulk	NDP						NDP					NDP													029-0B
2160.40	cut	bulk	5?	*					40?	*	*			55?	*	*	**										030-0B