

Table 3: Rock-Eval table for well NOCS 33/6-2

Depth unit of measure: m

Depth	Typ	Form	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
3891.00	cut		Sh/Clst: m gy to drk gy	0.46	0.22	0.63	0.35	1.02	22	62	0.7	0.68	434	0531-1L
3894.00	cut		Sh/Clst: m gy to drk gy	0.24	0.28	0.32	0.88	1.01	28	32	0.5	0.46	432	0532-1L
3897.00	cut		Sh/Clst: lt gy to m gy	1.46	2.82	1.42	1.99	1.24	227	115	4.3	0.34	437	0533-2L
3900.00	cut		Sh/Clst: m gy to drk gy	0.21	0.07	0.32	0.22	0.96	7	33	0.3	0.75	440	0534-1L
3903.00	cut		Sh/Clst: lt gy to m gy	0.88	2.51	1.23	2.04	1.32	190	93	3.4	0.26	435	0535-2L
3906.00	cut		Sh/Clst: m gy to drk gy	0.22	0.20	0.31	0.65	0.95	21	33	0.4	0.52	436	0536-1L
3909.00	cut		Sh/Clst: lt gy to m gy	2.02	3.66	1.87	1.96	1.15	318	163	5.7	0.36	437	0537-2L
3912.00	cut		Sh/Clst: m gy to drk gy	0.27	0.44	0.42	1.05	1.19	37	35	0.7	0.38	438	0538-1L
3915.00	cut		S/Sst : w	0.03	0.03	0.13	0.23	0.10	30	130	0.1	0.50	446	0539-3L
3918.00	cut		S/Sst : w	-	-	0.10	-	0.10	-	100	-	-	-	0540-3L
3921.00	cut		S/Sst : w	0.02	0.03	0.07	0.43	0.08	38	88	0.1	0.40	-	0541-3L
3924.00	cut		S/Sst : w	0.04	0.05	0.09	0.56	0.07	71	129	0.1	0.44	-	0542-3L
3927.00	cut		S/Sst : w	0.08	0.07	0.22	0.32	0.11	64	200	0.2	0.53	316	0543-3L
3930.00	cut		Sh/Clst: m gy to drk gy	0.43	0.34	0.28	1.21	1.00	34	28	0.8	0.56	433	0544-1L
3933.00	cut		Sh/Clst: lt gy to m gy	2.50	4.14	1.33	3.11	1.33	311	100	6.6	0.38	436	0545-2L
3936.00	cut		Sh/Clst: w to lt gy	0.42	0.48	1.80	0.27	0.55	87	327	0.9	0.47	431	0546-4L

Table 3: Rock-Eval table for well NOCS 33/6-2

Depth unit of measure: m

Depth	Typ	Form	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
3939.00	cut		S/Sst : w	0.05	0.06	0.19	0.32	0.09	67	211	0.1	0.45	396	0547-3L
3942.00	cut		S/Sst : w	0.01	0.01	0.05	0.20	0.08	13	63	0.0	0.50	418	0548-3L
3945.00	cut		Sh/Clst: w to lt gy	0.09	0.04	0.16	0.25	0.13	31	123	0.1	0.69	344	0549-4L
3948.00	cut		S/Sst : w	0.01	-	0.07	-	0.07	-	100	0.0	1.00	-	0550-3L
3950.00	cut		S/Sst : w	-	-	0.01	-	0.06	-	17	-	-	-	0551-3L

Table 4 : Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 33/6-2

Depth unit of measure: m

Depth	Typ	Lithology	C1	C2-C5	C6-C14	C15+	S2 from Rock-Eval	Sample
2480.00	cut	Sh/Clst: m gy to drk gy	5.31	53.00	37.61	4.08	-	0198-1L
2505.00	swc	Sh/Clst: drk gy	3.04	41.78	46.83	8.35	-	0131-1L
2525.00	swc	Sh/Clst: drk gy	3.50	41.34	45.58	9.59	-	0132-1L
2530.00	cut	Sh/Clst: m gy to drk gy	3.23	46.05	45.05	5.67	-	0202-1L
2559.00	swc	Sh/Clst: drk gy	2.73	42.03	43.54	11.70	-	0133-1L
2570.00	cut	Sh/Clst: m gy to drk gy	3.37	43.06	45.52	8.05	-	0206-1L
3308.00	cut	Sh/Clst: m gy	3.66	52.07	41.15	3.12	-	0336-1L
3404.00	cut	Sh/Clst: m gy to drk gy	4.60	40.96	49.78	4.67	-	0368-1L
3465.00	cut	Ca : w	3.82	57.13	36.90	2.15	-	0389-4L
3471.00	cut	Sh/Clst: brn blk	3.35	20.18	38.96	37.51	-	0391-2L
3477.00	cut	Sh/Clst: brn blk	3.29	18.40	38.76	39.55	-	0393-2L
3502.00	ccp	S/Sst : m gy to drk gy	3.81	14.79	45.25	36.15	-	0243-1L
3506.00	ccp	S/Sst : lt gy to drk gy	3.14	15.68	39.07	42.11	-	0247-1L
3512.00	ccp	S/Sst : lt gy to drk gy	3.18	19.08	37.94	39.80	-	0254-1L
3517.00	ccp	S/Sst : lt gy to m gy	3.67	18.46	40.26	37.61	-	0259-1L
3528.00	cut	Sltst : drk brn gy	3.72	14.07	39.16	43.05	-	0410-1L

Table 4 : Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 33/6-2

Depth unit of measure: m

Depth	Typ	Lithology	C1	C2-C5	C6-C14	C15+	S2 from Rock-Eval	Sample
3545.00	ccp	Sltst : drk gy to gy blk	5.02	15.58	38.33	41.07	-	0267-1L
3548.00	ccp	S/Sst : lt gy, drk brn gy	4.50	15.64	36.56	43.30	-	0270-1L
3558.00	cut	Sh/Clst: brn blk	4.90	20.12	39.36	35.63	-	0420-1L
3573.00	cut	Sh/Clst: brn blk	4.90	21.03	39.89	34.18	-	0425-1L
3594.00	cut	Sh/Clst: brn blk to gy blk	5.81	17.67	40.64	35.88	-	0432-1L
3609.00	cut	Sh/Clst: brn blk to gy blk	5.88	24.21	41.56	28.35	-	0437-1L
3627.00	cut	S/Sst : w	7.99	42.60	42.04	7.37	-	0443-2L
3636.00	cut	S/Sst : w	13.90	48.26	34.78	3.06	-	0446-2L
3645.00	cut	S/Sst : w	10.30	43.61	42.67	3.42	-	0449-2L
3657.00	cut	S/Sst : w	3.28	48.71	45.08	2.93	-	0453-2L
3669.00	cut	S/Sst : w	5.62	48.24	42.96	3.18	-	0457-2L
3702.00	cut	S/Sst : w	4.14	48.66	43.03	4.18	-	0468-2L
3738.00	cut	Sh/Clst: brn blk to gy blk	5.17	23.72	40.53	30.58	-	0480-1L
3765.00	cut	Sh/Clst: m gy to brn gy	5.55	21.66	36.94	35.85	-	0489-2L
3786.00	cut	Sh/Clst: m gy to brn gy to drk gy	6.99	28.00	41.38	23.63	-	0496-1L
3822.00	cut	Sh/Clst: m gy to drk gy	7.45	26.62	35.96	29.96	-	0508-1L

Table 4 : Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 33/6-2

Depth unit of measure: m

Depth	Typ	Lithology	C1	C2-C5	C6-C14	C15+	S2 from Rock-Eval	Sample
3840.00	cut	Sh/Clst: m gy to drk gy	5.56	22.74	37.09	34.61	-	0514-1L
3864.00	cut	Sh/Clst: lt gy to m gy	7.58	41.45	44.11	6.86	-	0522-2L
3882.00	cut	Sh/Clst: lt gy to m gy	4.85	36.58	42.32	16.25	-	0528-2L

Table 5 a: MPLC Bulk Composition: Weight of EOM and Fraction for well NOCS 33/6-2

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
2505.00	swc	Sh/Clst: drk gy	8.1	25.9	1.7	0.2	0.4	23.6	1.9	24.1	0.97	0131-1L
2559.00	swc	Sh/Clst: drk gy	8.1	38.2	5.3	0.9	0.4	31.7	6.1	32.1	0.85	0133-1L
3471.00	cut	Sh/Clst: brn blk	9.8	16.9	5.2	2.7	3.6	5.4	7.9	9.0	2.50	0391-2L
3477.00	cut	Sh/Clst: brn blk	8.8	0.8	0.2	0.2	0.3	0.2	0.3	0.4	0.67	0393-2L
3502.00	ccp	S/Sst : m gy to drk gy	10.0	15.7	9.6	4.7	0.4	1.0	14.3	1.4	1.44	0243-1L
3506.00	ccp	S/Sst : lt gy to drk gy	9.3	22.6	10.7	7.3	0.8	3.8	18.0	4.6	2.88	0247-1L
3512.00	ccp	S/Sst : lt gy to drk gy	9.6	20.7	12.2	4.9	0.6	3.1	17.0	3.7	0.44	0254-1L
3517.00	ccp	S/Sst : lt gy to m gy	10.3	44.5	23.3	12.8	0.9	7.5	36.1	8.4	2.55	0259-1L
3528.00	cut	Sltst : drk brn gy	9.5	83.4	29.1	18.5	9.0	26.8	47.6	35.8	6.88	0410-1L
3545.00	ccp	Sltst : drk gy to gy blk	4.5	13.9	6.1	3.8	1.8	2.2	9.9	4.0	4.33	0267-1L
3548.00	ccp	S/Sst : lt gy, drk brn gy	11.2	22.6	9.4	6.6	2.4	4.3	16.0	6.6	2.43	0270-1L
3573.00	cut	Sh/Clst: brn blk	10.6	92.1	21.1	26.5	14.5	30.0	47.5	44.5	9.19	0425-1L
3594.00	cut	Sh/Clst: brn blk to gy blk	12.2	61.9	2.8	5.0	11.0	43.0	7.8	54.0	6.82	0432-1L
3609.00	cut	Sh/Clst: brn blk to gy blk	12.5	30.9	4.9	3.7	5.3	17.0	8.6	22.3	2.92	0437-1L
3738.00	cut	Sh/Clst: brn blk to gy blk	5.7	7.7	1.2	1.0	1.7	3.8	2.2	5.5	2.99	0480-1L

Table 5 a: MPLC Bulk Composition: Weight of EOM and Fraction for well NOCS 33/6-2

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
3765.00	cut	Sh/Clst: m gy to brn gy	11.4	23.5	6.1	5.6	4.4	7.5	11.6	11.9	2.99	0489-2L
3822.00	cut	Sh/Clst: m gy to drk gy	10.7	17.2	2.5	3.3	3.0	8.4	5.8	11.4	2.33	0508-1L
3840.00	cut	Sh/Clst: m gy to drk gy	10.9	23.7	5.8	3.4	3.3	11.3	9.1	14.6	2.17	0514-1L
3864.00	cut	Sh/Clst: lt gy to m gy	8.9	6.4	0.6	1.4	1.3	3.2	2.0	4.4	1.40	0522-2L
3882.00	cut	Sh/Clst: lt gy to m gy	8.4	3.0	0.2	0.2	0.6	2.1	0.3	2.7	1.07	0528-2L

Table 5 b: MPLC Bulk Composition: Concentration of EOM and Fraction (wt ppm rock) for well NOCS 33/6-2

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
2505.00	swc	Sh/Clst: drk gy	3221	209	21	55	2934	231	2990	0131-1L
2559.00	swc	Sh/Clst: drk gy	4732	653	105	51	3922	758	3974	0133-1L
3471.00	cut	Sh/Clst: brn blk	1723	532	275	366	549	807	916	0391-2L
3477.00	cut	Sh/Clst: brn blk	85	17	17	34	17	34	51	0393-2L
3502.00	ccp	S/Sst : m gy to drk gy	1576	961	470	41	103	1432	144	0243-1L
3506.00	ccp	S/Sst : lt gy to drk gy	2419	1145	782	88	402	1928	491	0247-1L
3512.00	ccp	S/Sst : lt gy to drk gy	2150	1261	504	60	324	1765	384	0254-1L
3517.00	ccp	S/Sst : lt gy to m gy	4329	2265	1249	83	730	3515	814	0259-1L
3528.00	cut	Sltst : drk brn gy	8802	3072	1948	950	2831	5021	3781	0410-1L
3545.00	ccp	Sltst : drk gy to gy blk	3086	1363	841	400	481	2204	881	0267-1L
3548.00	ccp	S/Sst : lt gy, drk brn gy	2016	839	585	210	380	1425	591	0270-1L
3573.00	cut	Sh/Clst: brn blk	8676	1985	2493	1364	2832	4479	4196	0425-1L
3594.00	cut	Sh/Clst: brn blk to gy blk	5085	233	410	904	3536	644	4441	0432-1L
3609.00	cut	Sh/Clst: brn blk to gy blk	2479	397	293	421	1367	691	1788	0437-1L
3738.00	cut	Sh/Clst: brn blk to gy blk	1351	209	180	300	660	389	961	0480-1L

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
3765.00	cut	Sh/Clst: m gy to brn gy	2050	530	484	383	652	1014	1035	0489-2L
3822.00	cut	Sh/Clst: m gy to drk gy	1615	239	306	284	785	545	1069	0508-1L
3840.00	cut	Sh/Clst: m gy to drk gy	2172	526	308	302	1035	834	1338	0514-1L
3864.00	cut	Sh/Clst: lt gy to m gy	721	67	152	146	355	219	501	0522-2L
3882.00	cut	Sh/Clst: lt gy to m gy	359	17	17	71	251	35	323	0528-2L

Table 5 c: MPLC Bulk Composition: Concentration of EOM and Fraction (mg/g TOC(e)) for well NOCS 33/6-2

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
2505.00	swc	Sh/Clst: drk gy	332.07	21.64	2.18	5.76	302.49	23.82	308.25	0131-1L
2559.00	swc	Sh/Clst: drk gy	556.79	76.88	12.38	6.12	461.42	89.25	467.53	0133-1L
3471.00	cut	Sh/Clst: brn blk	68.95	21.28	11.01	14.68	21.98	32.29	36.66	0391-2L
3477.00	cut	Sh/Clst: brn blk	12.72	2.54	2.54	5.09	2.54	5.09	7.63	0393-2L
3502.00	ccp	S/Sst : m gy to drk gy	109.50	66.80	32.67	2.86	7.17	99.47	10.03	0243-1L
3506.00	ccp	S/Sst : lt gy to drk gy	84.02	39.78	27.18	3.09	13.98	66.95	17.06	0247-1L
3512.00	ccp	S/Sst : lt gy to drk gy	488.73	286.68	114.58	13.67	73.79	401.26	87.47	0254-1L
3517.00	ccp	S/Sst : lt gy to m gy	169.77	88.86	48.99	3.28	28.64	137.85	31.92	0259-1L
3528.00	cut	Sltst : drk brn gy	127.95	44.66	28.32	13.81	41.15	72.98	54.97	0410-1L
3545.00	ccp	Sltst : drk gy to gy blk	71.29	31.48	19.44	9.26	11.11	50.92	20.37	0267-1L
3548.00	ccp	S/Sst : lt gy, drk brn gy	82.97	34.54	24.10	8.67	15.65	58.64	24.32	0270-1L
3573.00	cut	Sh/Clst: brn blk	94.41	21.61	27.14	14.85	30.82	48.75	45.67	0425-1L
3594.00	cut	Sh/Clst: brn blk to gy blk	74.57	3.42	6.02	13.27	51.86	9.45	65.12	0432-1L
3609.00	cut	Sh/Clst: brn blk to gy blk	84.93	13.61	10.06	14.43	46.83	23.66	61.26	0437-1L
3738.00	cut	Sh/Clst: brn blk to gy blk	45.20	7.02	6.02	10.06	22.10	13.04	32.16	0480-1L

Table 5 c: MPLC Bulk Composition: Concentration of EOM and Fraction (mg/g TOC(e)) for well NOCS 33/6-2

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
3765.00	cut	Sh/Clst: m gy to brn gy	68.58	17.73	16.21	12.82	21.82	33.94	34.64	0489-2L
3822.00	cut	Sh/Clst: m gy to drk gy	69.33	10.27	13.17	12.20	33.70	23.43	45.90	0508-1L
3840.00	cut	Sh/Clst: m gy to drk gy	100.13	24.24	14.21	13.96	47.73	38.45	61.68	0514-1L
3864.00	cut	Sh/Clst: lt gy to m gy	51.54	4.83	10.87	10.47	25.37	15.70	35.84	0522-2L
3882.00	cut	Sh/Clst: lt gy to m gy	33.58	1.68	1.68	6.72	23.50	3.36	30.22	0528-2L

Table 5 d: MPLC Bulk Composition: Material extracted from the rock (%) for well NOCS 33/6-2

Depth unit of measure: m

Depth	Typ	Lithology	Sat	Aro	Asph	NSO	HC	Non-HC	Sat	HC	Sample
			EOM	EOM	EOM	EOM	EOM	EOM	Aro	Non-HC	
2505.00	swc	Sh/Clst: drk gy	6.52	0.66	1.74	91.09	7.17	92.83	994.12	7.73	0131-1L
2559.00	swc	Sh/Clst: drk gy	13.81	2.22	1.10	82.87	16.03	83.97	621.18	19.09	0133-1L
3471.00	cut	Sh/Clst: brn blk	30.87	15.97	21.29	31.87	46.84	53.16	193.33	88.10	0391-2L
3477.00	cut	Sh/Clst: brn blk	20.00	20.00	40.00	20.00	40.00	60.00	100.00	66.67	0393-2L
3502.00	ccp	S/Sst : m gy to drk gy	61.01	29.83	2.61	6.55	90.84	9.16	204.48	991.67	0243-1L
3506.00	ccp	S/Sst : lt gy to drk gy	47.35	32.35	3.67	16.64	79.69	20.31	146.37	392.37	0247-1L
3512.00	ccp	S/Sst : lt gy to drk gy	58.66	23.44	2.80	15.10	82.10	17.90	250.21	458.76	0254-1L
3517.00	ccp	S/Sst : lt gy to m gy	52.34	28.86	1.93	16.87	81.20	18.80	181.37	431.82	0259-1L
3528.00	cut	Sltst : drk brn gy	34.91	22.13	10.80	32.16	57.04	42.96	157.72	132.78	0410-1L
3545.00	ccp	Sltst : drk gy to gy blk	44.16	27.27	12.99	15.58	71.43	28.57	161.90	250.00	0267-1L
3548.00	ccp	S/Sst : lt gy, drk brn gy	41.63	29.05	10.45	18.87	70.68	29.32	143.29	241.09	0270-1L
3573.00	cut	Sh/Clst: brn blk	22.89	28.74	15.73	32.64	51.63	48.37	79.63	106.74	0425-1L
3594.00	cut	Sh/Clst: brn blk to gy blk	4.59	8.08	17.79	69.54	12.67	87.33	56.80	14.51	0432-1L
3609.00	cut	Sh/Clst: brn blk to gy blk	16.02	11.84	16.99	55.15	27.86	72.14	135.25	38.63	0437-1L
3738.00	cut	Sh/Clst: brn blk to gy blk	15.52	13.32	22.25	48.90	28.85	71.15	116.50	40.55	0480-1L

Table 5 d: MPLC Bulk Composition: Material extracted from the rock (%) for well NOCS 33/6-2

Depth unit of measure: m

Depth	Typ	Lithology	Sat	Aro	Asph	NSO	HC	Non-HC	Sat	HC	Sample
			EOM	EOM	EOM	EOM	EOM	EOM	Aro	Non-HC	
3765.00	cut	Sh/Clst: m gy to brn gy	25.85	23.64	18.70	31.81	49.49	50.51	109.37	97.98	0489-2L
3822.00	cut	Sh/Clst: m gy to drk gy	14.81	18.99	17.60	48.61	33.80	66.20	77.98	51.05	0508-1L
3840.00	cut	Sh/Clst: m gy to drk gy	24.21	14.19	13.94	47.66	38.40	61.60	170.62	62.34	0514-1L
3864.00	cut	Sh/Clst: lt gy to m gy	9.37	21.09	20.31	49.22	30.47	69.53	44.44	43.82	0522-2L
3882.00	cut	Sh/Clst: lt gy to m gy	5.00	5.00	20.00	70.00	10.00	90.00	100.00	11.11	0528-2L

Table 6: Saturated Hydrocarbon Ratios (peak area) for well NOCS 33/6-2

Depth unit of measure: m			Pristane	Pristane	Pristane/nC17	Phytane		nC17	
Depth	Typ	Lithology	nC17	Phytane	Phytane/nC18	nC18	CPI1	nC17+nC27	Sample
2505.00	swc	Sh/Clst: drk gy	0.47	1.37	1.34	0.35	1.09	0.85	0131-1L
2559.00	swc	Sh/Clst: drk gy	0.54	1.29	1.31	0.41	1.22	0.85	0133-1L
3471.00	cut	Sh/Clst: brn blk	1.36	1.65	1.43	0.95	1.01	0.86	0391-2L
3477.00	cut	Sh/Clst: brn blk	0.64	1.81	1.76	0.36	1.05	0.94	0393-2L
3502.00	ccp	S/Sst : m gy to drk gy	1.06	1.32	1.19	0.89	1.04	0.82	0243-1L
3506.00	ccp	S/Sst : lt gy to drk gy	1.07	1.21	1.17	0.92	1.03	0.84	0247-1L
3512.00	ccp	S/Sst : lt gy to drk gy	1.36	1.45	1.50	0.91	0.98	0.75	0254-1L
3517.00	ccp	S/Sst : lt gy to m gy	1.24	1.30	1.21	1.02	0.94	0.84	0259-1L
3528.00	cut	Sltst : drk brn gy	0.94	1.17	1.03	0.91	1.05	0.88	0410-1L
3545.00	ccp	Sltst : drk gy to gy blk	1.24	1.40	1.22	1.01	1.22	0.85	0267-1L
3548.00	ccp	S/Sst : lt gy, drk brn gy	1.61	1.81	1.43	1.13	1.17	0.78	0270-1L
3573.00	cut	Sh/Clst: brn blk	1.14	1.23	1.10	1.04	1.07	0.87	0425-1L
3594.00	cut	Sh/Clst: brn blk to gy blk	1.27	1.45	1.42	0.90	1.11	0.81	0432-1L
3609.00	cut	Sh/Clst: brn blk to gy blk	0.93	4.19	3.26	0.29	1.30	0.81	0437-1L
3738.00	cut	Sh/Clst: brn blk to gy blk	1.19	1.86	1.56	0.76	1.10	0.82	0480-1L

Table 6: Saturated Hydrocarbon Ratios (peak area) for well NOCS 33/6-2

Depth unit of measure: m

Depth	Typ	Lithology	Pristane	Pristane	Pristane/nC17	Phytane	CPI1	nC17	Sample
			nC17	Phytane	Phytane/nC18	nC18		nC17+nC27	
3765.00	cut	Sh/Clst: m gy to brn gy	0.97	2.29	1.83	0.53	1.08	0.86	0489-2L
3822.00	cut	Sh/Clst: m gy to drk gy	1.03	2.19	2.04	0.50	1.19	0.79	0508-1L
3840.00	cut	Sh/Clst: m gy to drk gy	0.71	1.99	1.59	0.45	1.20	0.87	0514-1L
3864.00	cut	Sh/Clst: lt gy to m gy	0.77	3.41	2.92	0.26	1.32	0.75	0522-2L
3882.00	cut	Sh/Clst: lt gy to m gy	0.74	2.40	2.53	0.29	1.27	0.75	0528-2L

Table 7a: Aromatic Hydrocarbon Ratios (peak area) for well NOCS 33/6-2

Depth unit of measure: m

Depth	Typ	Lithology	MNR	DMNR	BPhR	2/1MP	MPI1	MPI2	Rc	DBT/P	4/1MDBT (3+2) /1MDBT	Sample	
2505.00	swc	Sh/Clst: drk gy	-	-	-	2.71	1.48	2.38	1.29	-	-	0131-1L	
2559.00	swc	Sh/Clst: drk gy	-	-	-	3.05	1.64	2.57	1.38	-	-	0133-1L	
3471.00	cut	Sh/Clst: brn blk	0.59	1.21	-	0.95	0.83	0.80	0.90	0.40	0.89	0.41	0391-2L
3477.00	cut	Sh/Clst: brn blk	-	-	-	1.18	0.70	0.81	0.82	-	-	-	0393-2L
3502.00	ccp	S/Sst : m gy to drk gy	-	0.73	-	1.01	0.71	0.73	0.83	-	0.95	-	0243-1L
3506.00	ccp	S/Sst : lt gy to drk gy	0.63	1.18	-	1.05	0.76	0.74	0.85	0.24	1.55	0.49	0247-1L
3512.00	ccp	S/Sst : lt gy to drk gy	-	0.53	-	-	-	-	-	-	1.15	-	0254-1L
3517.00	ccp	S/Sst : lt gy to m gy	0.97	1.27	0.06	1.07	0.66	0.74	0.80	-	0.94	0.31	0259-1L
3528.00	cut	Sltst : drk brn gy	1.01	1.38	0.08	0.80	0.80	0.61	0.88	0.35	1.04	0.34	0410-1L
3545.00	ccp	Sltst : drk gy to gy blk	-	1.44	-	1.06	0.68	0.76	0.81	0.31	1.63	0.53	0267-1L
3548.00	ccp	S/Sst : lt gy, drk brn gy	0.65	2.02	0.05	0.98	0.71	0.72	0.82	0.33	1.08	0.50	0270-1L
3573.00	cut	Sh/Clst: brn blk	0.98	1.61	0.07	0.91	0.76	0.66	0.85	0.53	1.33	0.70	0425-1L
3594.00	cut	Sh/Clst: brn blk to gy blk	1.06	2.24	0.10	0.91	0.77	0.77	0.86	0.48	1.03	0.62	0432-1L
3609.00	cut	Sh/Clst: brn blk to gy blk	-	1.31	-	0.98	0.60	0.70	0.76	0.17	1.53	1.36	0437-1L
3738.00	cut	Sh/Clst: brn blk to gy blk	0.79	1.61	0.09	0.87	0.72	0.68	0.83	0.30	1.00	0.46	0480-1L
3765.00	cut	Sh/Clst: m gy to brn gy	0.67	1.46	-	0.97	0.70	0.69	0.82	0.29	1.20	0.64	0489-2L

Table 7a: Aromatic Hydrocarbon Ratios (peak area) for well NOCS 33/6-2

Depth unit of measure: m

Depth	Typ	Lithology	MNR	DMNR	BPhR	2/1MP	MPI1	MPI2	Rc	DBT/P	4/1MDBT	(3+2) /1MDBT	Sample
3822.00	cut	Sh/Clst: m gy to drk gy	-	1.49	-	0.97	0.63	0.70	0.78	0.19	1.48	0.92	0508-1L
3840.00	cut	Sh/Clst: m gy to drk gy	-	1.50	-	1.10	0.74	0.80	0.84	0.22	1.28	0.67	0514-1L
3864.00	cut	Sh/Clst: lt gy to m gy	-	-	-	1.15	0.68	0.83	0.81	-	-	-	0522-2L
3882.00	cut	Sh/Clst: lt gy to m gy	-	1.68	-	1.32	0.60	0.69	0.76	0.18	1.38	1.42	0528-2L

Table 7b: Aromatic Hydrocarbon Ratios (peak area) for well NOCS 33/6-2

Depth unit of measure: m

Depth	Typ	Lithology	F1	F2	Sample
2505.00	swc	Sh/Clst: drk gy	0.61	0.49	0131-1L
2559.00	swc	Sh/Clst: drk gy	0.63	0.50	0133-1L
3471.00	cut	Sh/Clst: brn blk	0.49	0.24	0391-2L
3477.00	cut	Sh/Clst: brn blk	0.51	0.30	0393-2L
3502.00	ccp	S/Sst : m gy to drk gy	0.48	0.24	0243-1L
3506.00	ccp	S/Sst : lt gy to drk gy	0.48	0.24	0247-1L
3512.00	ccp	S/Sst : lt gy to drk gy	-	-	0254-1L
3517.00	ccp	S/Sst : lt gy to m gy	0.45	0.25	0259-1L
3528.00	cut	Sltst : drk brn gy	0.48	0.18	0410-1L
3545.00	ccp	Sltst : drk gy to gy blk	0.45	0.25	0267-1L
3548.00	ccp	S/Sst : lt gy, drk brn gy	0.46	0.23	0270-1L
3573.00	cut	Sh/Clst: brn blk	0.46	0.20	0425-1L
3594.00	cut	Sh/Clst: brn blk to gy blk	0.44	0.22	0432-1L
3609.00	cut	Sh/Clst: brn blk to gy blk	0.43	0.25	0437-1L
3738.00	cut	Sh/Clst: brn blk to gy blk	0.46	0.22	0480-1L
3765.00	cut	Sh/Clst: m gy to brn gy	0.46	0.23	0489-2L

Table 7b: Aromatic Hydrocarbon Ratios (peak area) for well NOCS 33/6-2

Depth unit of measure: m

Depth	Typ	Lithology	F1	F2	Sample
3822.00	cut	Sh/Clst: m gy to drk gy	0.44	0.24	0508-1L
3840.00	cut	Sh/Clst: m gy to drk gy	0.47	0.25	0514-1L
3864.00	cut	Sh/Clst: lt gy to m gy	0.47	0.28	0522-2L
3882.00	cut	Sh/Clst: lt gy to m gy	0.49	0.28	0528-2L

Table 8 : Thermal Maturity Data for well NOCS 33/6-2

Depth unit of measure: m

Depth	Typ Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation (%)	Spore Fluorescence Colour	SCI	Tmax (°C)	Sample
1000.00	cut Sltst : m gy	0.26	20	0.04	3-4	NDP	364	0001-1L
1100.00	cut Sltst : m gy	0.29	20	0.06	3+4	2.0(?)	373	0011-1L
1200.00	cut Sltst : m gy to brn gy	0.29	20	0.04	-	2.0(?)	381	0021-1L
1300.00	cut Sh/Clst: m gy, gn gy, drk y brn	0.36	20	0.04	4	3.0(??)	360	0031-4L
1400.00	cut Sh/Clst: m gy, drk y brn	0.31	20	0.05	3-4	NDP	353	0041-1L
1500.00	cut Sh/Clst: drk y brn, dsk y brn	0.38	20	0.04	3-4	2.5-3.0(?)	360	0051-1L
1600.00	cut Sh/Clst: drk y brn, gn gy	0.39	13	0.05	3-4+7	NDP	350	0061-1L
1700.00	cut Sh/Clst: drk y brn	0.35	15	0.05	3-5	3.0(?)	352	0071-1L
1800.00	cut Sh/Clst: drk y brn, brn gy, gn gy	0.42	20	0.05	3-4	3.0(?)	357	0081-1L
1900.00	cut Sh/Clst: m gy to drk gy	0.40	9	0.05	4	3.5-4.0(??)	352	0091-1L
2000.00	cut Sh/Clst: m gy to drk gy	0.38	3	0.10	4	-	353	0101-1L
2100.00	cut Sh/Clst: m gy to drk gy	0.41	12	0.05	4	3.5-4.0(??)	356	0111-1L
2220.00	cut Sh/Clst: m gy to drk gy	0.42	5	0.05	4	-	357	0181-1L
2260.00	cut Sh/Clst: m gy to drk gy	-	-	-	-	3.5(?)	358	0184-1L
2301.00	swc No Mat.	0.44	9	0.07	4	-	-	0123-1L

Table 8 : Thermal Maturity Data for well NOCS 33/6-2

Depth unit of measure: m

Depth	Typ	Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation (%)	Spore Fluorescence Colour	SCI	Tmax (°C)	Sample
2380.00	cut	Sh/Clst: m gy to drk gy	0.46	4	0.07	4+5	-	358	0192-1L
2440.00	cut	Sh/Clst: m gy to drk gy	-	-	-	-	3.5(??)	361	0195-1L
2505.00	swc	Sh/Clst: drk gy	0.46	20	0.05	4-5	-	358	0131-1L
2559.00	swc	Sh/Clst: drk gy	-	-	-	-	4.0(?)	356	0133-1L
2605.00	swc	Sh/Clst: drk gy	0.46	20	0.06	4	-	-	0135-1L
2729.00	swc	Sh/Clst: drk gy	0.50	5	0.02	4	-	-	0140-1L
2808.00	swc	Sh/Clst: drk gy	0.52	1	0.00	4	-	-	0143-1L
2840.00	cut	Sh/Clst: m gy to drk gy	-	-	-	-	NDP	353	0284-1L
2905.00	swc	Sh/Clst: drk gy	0.54	7	0.03	4	-	-	0147-1L
3022.00	swc	Sh/Clst: drk gy	0.48	4	0.06	4-6	-	-	0151-1L
3100.00	cut	Sh/Clst: m gy	-	-	-	-	NDP	360	0297-1L
3105.00	swc	Sh/Clst: drk gy	0.62	8	0.03	5	-	-	0154-1L
3173.00	swc	Sh/Clst: drk gy	0.60	4	0.04	5	-	-	0157-1L
3269.00	cut	Sh/Clst: m gy	-	-	-	-	4.5(?)	353	0323-1L
3296.00	cut	Sh/Clst: m gy	0.59	6	0.08	4+5	-	352	0332-1L

Table 8 : Thermal Maturity Data for well NOCS 33/6-2

Depth unit of measure: m

Depth	Typ Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation (%)	Spore Fluorescence Colour	SCI	Tmax (°C)	Sample
3404.00	cut Sh/Clst: m gy to drk gy	-	-	-	-	4.0-4.5/NDP	356	0368-1L
3418.00	swc Sh/Clst: drk gy	0.67	1	0.00	5	-	-	0174-1L
3471.00	cut Sh/Clst: brn blk	-	-	-	-	5.5	433	0391-2L
3485.50	swc Sh/Clst: dsk y brn	0.60	6	0.05	5	-	-	0214-1L
3545.00	ccp Sltst : drk gy to gy blk	-	-	-	-	5.5-6.0	437	0267-1L
3573.00	cut Sh/Clst: brn blk	-	-	-	-	6.0	433	0425-1L
3598.00	swc Sh/Clst: dsk y brn to ol blk	0.54	6	0.06	5+6	-	-	0226-1L
3609.00	cut Sh/Clst: brn blk to gy blk	-	-	-	-	6.5(??)	440	0437-1L
3702.00	cut S/Sst : w	-	-	-	-	6.5-7.0(??)	362	0468-2L
3724.00	swc Sh/Clst: dsk y brn to ol blk	0.65	20	0.04	6	-	-	0228-1L
3765.00	cut Sh/Clst: m gy to brn gy	-	-	-	-	5.5-6.5	438	0489-2L
3822.00	cut Sh/Clst: m gy to drk gy	-	-	-	-	6.0	428	0508-1L
3825.00	swc Sltst : ol gy	0.63	20	0.06	6	-	-	0231-1L
3840.00	cut Sh/Clst: m gy to drk gy	-	-	-	-	6.0-6.5(?)	437	0514-1L
3864.00	cut Sh/Clst: lt gy to m gy	-	-	-	-	6.5(?)	440	0522-2L

Table 8 : Thermal Maturity Data for well NOCS 33/6-2

Depth unit of measure: m

Depth	Typ	Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation (%)	Spore Fluorescence Colour	SCI	Tmax (°C)	Sample
3880.00	swc	Sh/Clst: m y brn to drk y brn	0.61	20	0.05	6	-	-	0235-1L
3882.00	cut	Sh/Clst: lt gy to m gy	-	-	-	-	6.5-7.0(?)	437	0528-2L
3901.00	swc	Sltst : dsk y brn	0.67	20	0.05	6	-	-	0236-1L
3912.50	swc	S/Sst : m y brn to drk y brn	0.70	6	0.07	-	-	-	0238-1L

Table 9 : Visual Kerogen Composition Data for well NOCS 33/6-2

Depth unit of measure: m

Depth	Typ	Lithology	L A L S C				D I I S I M S				V C V A				Sample										
			%	L	t	l	l	n	e	l	t	L	%	n		s	t	n	o	I	%	n	n	t	V
1000.00	cut	Sltst : m gy	NDP	**	*	?	*				NDP	*				NDP	*								0001-1L
1100.00	cut	Sltst : m gy	NDP	**	*	?					NDP	*	**			NDP	*								0011-1L
1200.00	cut	Sltst : m gy to brn gy	95	*	**	*	?	*	*		TR	*				5	*								0021-1L
1300.00	cut	Sh/Clst: m gy, gn gy, drk y brn	NDP	**	*	*	?				NDP	*				NDP	*								0031-4L
1400.00	cut	Sh/Clst: m gy, drk y brn	NDP	**	*	*	?				NDP	*				NDP	*								0041-1L
1500.00	cut	Sh/Clst: drk y brn, dsk y brn	95	**	*	*	*				5	*				TR	*								0051-1L
1600.00	cut	Sh/Clst: drk y brn, gn gy	NDP	**	*	*	*				NDP	*				NDP	*								0061-1L
1700.00	cut	Sh/Clst: drk y brn	90	*	**	*	*				5	*	**			5	*								0071-1L
1800.00	cut	Sh/Clst: drk y brn, brn gy, gn gy	95	*	**	*	*				5	*	*	**		TR	*	**							0081-1L
1900.00	cut	Sh/Clst: m gy to drk gy	NDP	**	*	?					NDP	*				NDP	*								0091-1L
2100.00	cut	Sh/Clst: m gy to drk gy	NDP	**	*	?					NDP	*				NDP	*								0111-1L
2260.00	cut	Sh/Clst: m gy to drk gy	NDP	**	*	?					NDP	*				NDP	*								0184-1L
2440.00	cut	Sh/Clst: m gy to drk gy	NDP	**	*	?					NDP	*				NDP	*								0195-1L

Table 9 : Visual Kerogen Composition Data for well NOCS 33/6-2

Depth unit of measure: m

Depth	Typ	Lithology	L	A	L	S	C	D			I	S	I	M	S	V	C	V	A	Sample		
			%	L	t	l	l	n	e	l	t	L	%	n	s	t	n	o	I		%	n
2559.00	swc	Sh/Clst: drk gy	NDP	**	*	?					NDP	*			NDP	*				0133-1L		
2840.00	cut	Sh/Clst: m gy to drk gy	NDP	**	*	?					NDP	*			NDP	*				0284-1L		
3100.00	cut	Sh/Clst: m gy	NDP	**	*	?					NDP	*			NDP	*				0297-1L		
3269.00	cut	Sh/Clst: m gy	50	*	**	*	?	*			40	*	**		10	*				0323-1L		
3404.00	cut	Sh/Clst: m gy to drk gy	NDP	*	**	*					NDP	*	**		NDP	*				0368-1L		
3471.00	cut	Sh/Clst: brn blk	95	*	**	*	*	*			5	*			TR	*				0391-2L		
3545.00	ccp	Sltst : drk gy to gy blk	80		**	*	*	*			15	*	**		5	*	**			0267-1L		
3573.00	cut	Sh/Clst: brn blk	70	*	**	*	*				25	*	**		5	*	**			0425-1L		
3609.00	cut	Sh/Clst: brn blk to gy blk	NDP	**	*	?					NDP	*			NDP	*				0437-1L		
3702.00	cut	S/Sst : w	60		**	*		*			35	*	**		5	*	**			0468-2L		
3765.00	cut	Sh/Clst: m gy to brn gy	60	**	**	*		*			20	*	**		20	*	**			0489-2L		
3822.00	cut	Sh/Clst: m gy to drk gy	70		**	*	*	*			20	*	**		10	*	**			0508-1L		
3840.00	cut	Sh/Clst: m gy to drk gy	80		**	*					20	*	**		TR	*	**			0514-1L		

Table 9 : Visual Kerogen Composition Data for well NOCS 33/6-2

Depth unit of measure: m

Depth	Typ	Lithology	L	A	L	S	C	D	I	S	I	M	S	V	C	V	A	Sample			
			%	L	t	l	l	n	e	l	t	L	%	n	s	t	n		o	I	%
3864.00	cut	Sh/Clst: lt gy to m gy	95	**	*	?	*		5	*				TR	*			0522-2L			
3882.00	cut	Sh/Clst: lt gy to m gy	90	**	*		*		10	*	**			TR	*	**		0528-2L			

Table 10A: Tabulation of carbon isotope data for EOM/EOM - fractions for well NOCS 33/6-2

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>
2505.00	swc	Sh/Clst	-28.07	-27.87	-26.49	-28.59	-26.78	-	0131-1
3471.00	cut	Sh/Clst	-30.41	-30.75	-29.83	-29.89	-29.01	-	0391-2
3502.00	ccp	S/Sst	-31.92	-31.61	-31.16	-31.16	-28.65	-	0243-1
3512.00	ccp	S/Sst	-31.83	-32.00	-31.43	-31.11	-29.83	-	0254-1
3528.00	cut	Sltst	-29.89	-30.44	-29.78	-29.63	-29.18	-	0410-1
3573.00	cut	Sh/Clst	-26.97	-28.66	-27.93	-27.84	-26.84	-	0425-1
3609.00	cut	Sh/Clst	-29.18	-28.05	-26.01	-26.43	-24.86	-	0437-1
3822.00	cut	Sh/Clst	-27.83	-28.27	-27.22	-27.16	-25.67	-	0508-1
3864.00	cut	Sh/Clst	-	-27.34	-25.83	-26.74	-25.54	-	0522-2
3882.00	cut	Sh/Clst	-	-27.65	-26.59	-27.21	-25.93	-	0528-2

Table 10B: Tabulation of cv values from carbon isotope data for well NOCS 33/6-2

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>
2505.00	swc	Sh/Clst	-27.87	-26.49	0.05	0131-1
3471.00	cut	Sh/Clst	-30.75	-29.83	-0.08	0391-2
3502.00	ccp	S/Sst	-31.61	-31.16	-0.85	0243-1
3512.00	ccp	S/Sst	-32.00	-31.43	-0.46	0254-1
3528.00	cut	Sltst	-30.44	-29.78	-0.75	0410-1
3573.00	cut	Sh/Clst	-28.66	-27.93	-1.14	0425-1
3609.00	cut	Sh/Clst	-28.05	-26.01	1.57	0437-1
3822.00	cut	Sh/Clst	-28.27	-27.22	-0.56	0508-1
3864.00	cut	Sh/Clst	-27.34	-25.83	0.18	0522-2
3882.00	cut	Sh/Clst	-27.65	-26.59	-0.73	0528-2

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
2505.00	Sh/Clst	1.08	0.52	0.17	0.63	0.39	0.06	0.04	0.06	0.03	0.12	0.86	0.40	0.20	44.67	0131-1
3471.00	Sh/Clst	1.56	0.61	0.15	0.46	0.31	0.08	-	-	-	0.06	0.88	0.31	0.13	58.16	0391-2
3502.00	S/Sst	1.24	0.55	0.20	0.55	0.36	0.04	0.12	0.21	0.10	0.12	0.88	0.35	0.13	57.74	0243-1
3512.00	S/Sst	1.16	0.54	0.12	0.49	0.33	0.05	0.11	0.23	0.10	0.07	0.88	0.33	0.13	58.33	0254-1
3528.00	Sltst	1.17	0.54	0.13	0.42	0.30	0.06	0.12	0.29	0.11	0.07	0.89	0.29	0.12	59.00	0410-1
3573.00	Sh/Clst	1.50	0.60	0.15	0.44	0.31	0.08	0.10	0.21	0.09	0.07	0.92	0.31	0.10	59.06	0425-1
3609.00	Sh/Clst	5.27	0.84	0.23	0.70	0.41	0.08	0.03	0.04	0.03	0.02	0.81	0.40	0.21	58.08	0437-1
3822.00	Sh/Clst	4.12	0.80	0.22	0.66	0.40	0.08	0.04	0.06	0.04	0.04	0.83	0.39	0.18	58.95	0508-1
3864.00	Sh/Clst	3.98	0.80	0.22	0.63	0.39	0.13	0.03	0.04	0.03	0.02	0.84	0.37	0.17	58.26	0522-2
3882.00	Sh/Clst	2.65	0.73	0.21	0.62	0.38	0.15	0.01	0.02	0.01	0.03	0.85	0.37	0.16	58.20	0528-2

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 33/6-2

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>
2505.00	Sh/Clst	0.71	35.72	74.69	1.46	0.81	0.52	0.38	0.60	0.56	2.29	0131-1
3471.00	Sh/Clst	0.67	43.66	61.90	1.77	0.65	0.33	0.21	0.45	0.78	1.44	0391-2
3502.00	S/Sst	0.55	40.13	57.97	1.87	0.63	0.54	0.37	0.41	0.67	1.15	0243-1
3512.00	S/Sst	0.62	41.95	58.48	1.53	0.63	0.24	0.16	0.41	0.72	1.21	0254-1
3528.00	Sltst	0.65	46.12	65.50	1.75	0.67	0.40	0.26	0.49	0.86	1.76	0410-1
3573.00	Sh/Clst	0.77	45.86	74.28	1.56	0.76	0.37	0.25	0.59	0.85	2.67	0425-1
3609.00	Sh/Clst	0.71	43.43	61.84	1.39	0.65	0.37	0.27	0.45	0.77	1.43	0437-1
3822.00	Sh/Clst	0.72	44.06	64.48	1.65	0.67	0.39	0.27	0.48	0.79	1.62	0508-1
3864.00	Sh/Clst	0.73	41.76	64.86	1.31	0.69	0.39	0.28	0.48	0.72	1.58	0522-2
3882.00	Sh/Clst	0.71	41.55	67.83	1.37	0.72	0.35	0.25	0.51	0.71	1.80	0528-2

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 33/6-2

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>
2505.00	Sh/Clst	0.81	0.80	0.55	0.56	0.61	0131-1
3471.00	Sh/Clst	0.43	0.38	0.15	0.18	0.19	0391-2
3502.00	S/Sst	0.50	0.46	0.19	0.23	0.23	0243-1
3512.00	S/Sst	0.35	0.32	0.12	0.14	0.16	0254-1
3528.00	Sltst	0.56	0.50	0.22	0.28	0.29	0410-1
3573.00	Sh/Clst	0.53	0.45	0.23	0.26	0.32	0425-1
3609.00	Sh/Clst	0.57	0.48	0.27	0.31	0.38	0437-1
3822.00	Sh/Clst	0.60	0.50	0.26	0.32	0.36	0508-1
3864.00	Sh/Clst	0.67	0.58	0.36	0.41	0.49	0522-2
3882.00	Sh/Clst	0.66	0.57	0.33	0.38	0.43	0528-2

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 33/6-2

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>
2505.00	Sh/Clst	0.48	0.27	0.27	0.23	0131-1
3471.00	Sh/Clst	0.29	0.34	0.18	0.20	0391-2
3502.00	S/Sst	0.25	0.36	0.16	0.22	0243-1
3512.00	S/Sst	0.35	0.48	0.10	0.10	0254-1
3528.00	Sltst	0.24	0.34	0.15	0.18	0410-1
3573.00	Sh/Clst	0.27	0.21	0.17	0.14	0425-1
3609.00	Sh/Clst	0.46	0.34	0.25	0.17	0437-1
3822.00	Sh/Clst	0.25	0.19	0.15	0.12	0508-1
3864.00	Sh/Clst	0.28	0.20	0.14	0.09	0522-2
3882.00	Sh/Clst	0.16	0.18	0.05	0.05	0528-2

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 33/6-2

Depth unit of measure: m

<u>Depth</u>	<u>Lithology</u>	<u>Ratio1</u>	<u>Ratio2</u>	<u>Sample</u>
2505.00	Sh/Clst	0.44	0.91	0131-1
3471.00	Sh/Clst	0.16	0.97	0391-2
3502.00	S/Sst	0.24	0.92	0243-1
3512.00	S/Sst	0.38	0.82	0254-1
3528.00	Slst	0.25	0.94	0410-1
3573.00	Sh/Clst	0.40	0.95	0425-1
3609.00	Sh/Clst	0.28	0.98	0437-1
3822.00	Sh/Clst	0.41	0.95	0508-1
3864.00	Sh/Clst	0.46	0.94	0522-2
3882.00	Sh/Clst	0.52	0.92	0528-2

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

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

Table 11f: Raw triterpane data (peak height) m/z 191 SIR for Well NOCS 33/6-2

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				
2505.00	Sh/Clst	22466.1	12348.0	5627.0	15038.2	3894.8	21700.4	23467.9	3588.4	62657.7	0131-1
		6203.0	15641.9	98989.4	16324.8	31045.1	38835.7	8821.1	12648.1	15664.0	
		6544.3	6580.8	3734.1	3143.9	2748.7	1954.5				
3471.00	Sh/Clst	37249.7	17358.3	14313.1	13645.5	5775.9	35335.3	55267.9	0.0	125693.0	0391-2
		21241.8	13705.9	274116.6	38804.2	116091.5	81196.7	21933.8	69014.5	49650.3	
		62001.6	44363.6	51172.7	34949.3	47938.9	30772.7				
3502.00	S/Sst	26947.6	11943.1	8595.7	12392.2	3800.0	21334.4	26550.2	11252.7	52968.1	0243-1
		3839.3	6087.1	96041.3	13341.4	39962.3	29468.1	7273.9	23374.1	17110.4	
		18993.8	14386.9	11766.1	8499.7	16734.9	11657.5				
3512.00	S/Sst	41507.8	18996.5	15549.9	13699.0	9004.0	36904.9	42848.5	29954.2	131979.9	0254-1
		12535.0	15627.3	267644.6	37644.5	118296.0	87737.4	25336.4	83002.1	59290.4	
		84312.3	63401.5	61433.3	44537.9	85366.6	57734.2				
3528.00	Slstst	20024.8	10303.3	7638.9	8762.8	3933.9	22218.4	26051.9	18534.1	63079.2	0410-1
		9401.4	6538.7	150728.9	18275.5	66974.9	46918.8	12202.6	47727.3	33168.6	
		45509.4	34080.6	28691.8	19696.4	38432.5	25135.7				

Table 11f: Raw triterpane data (peak height) m/z 191 SIR for Well NOCS 33/6-2

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				
3573.00	Sh/Clst	39711.8	29611.5	16306.2	26029.5	8907.0	56478.4	84655.2	41229.2	191879.7	0425-1
		33896.5	21876.2	433561.6	40079.8	205698.6	145935.4	24885.2	132851.2	92075.6	
		92884.5	66481.1	70013.4	46744.7	60567.0	38848.5				
3609.00	Sh/Clst	18952.2	8671.3	3928.5	31465.3	2309.4	24907.1	131363.6	10757.1	248825.8	0437-1
		30260.8	42462.9	357731.8	82775.5	209744.9	147990.1	55408.5	95412.9	68879.5	
		56818.3	40358.5	37307.3	24776.4	17698.4	11999.7				
3822.00	Sh/Clst	25302.6	12472.1	7334.0	28627.4	3061.1	27940.7	115199.2	12295.7	220480.6	0508-1
		28185.8	30220.0	331667.6	66669.8	187481.0	133826.0	42951.6	96565.8	67250.7	
		59496.1	44242.1	42459.6	27683.8	27612.6	17689.8				
3864.00	Sh/Clst	29372.1	13050.9	6674.7	71966.3	3669.0	49733.5	197766.9	15717.6	379268.0	0522-2
		79774.1	46400.2	599575.3	118201.2	324116.6	230495.0	75320.6	165010.0	118208.0	
		87857.7	65266.0	57929.9	38341.9	24689.3	16808.2				
3882.00	Sh/Clst	5406.6	2455.5	1183.5	8840.6	617.6	8366.9	22160.1	1039.6	44471.4	0528-2
		10890.0	5228.1	72308.5	13175.5	37199.5	26169.1	8198.6	21200.0	15228.9	
		12126.5	8948.1	7425.8	4745.3	3605.7	2252.1				

Table 11g: Raw sterane data (peak height) m/z 217 SIR for Well NOCS 33/6-2

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					
2505.00	Sh/Clst	30045.4	14419.9	32565.3	24743.9	10043.8	12154.0	21576.8	15860.3	13934.2	0131-1
		18487.9	13504.6	13412.8	17864.1	6985.0	5720.9	11236.4	10788.9		
		5476.4	5940.3	12812.5	11720.6	10690.7					
3471.00	Sh/Clst	58309.6	23527.3	156613.9	107132.7	42667.3	57925.7	65048.1	44691.6	77428.5	0391-2
		73628.6	47513.7	78594.7	61468.8	24008.5	39504.3	47256.3	40319.4		
		37974.2	40007.4	39068.4	35366.2	51619.6					
3502.00	S/Sst	67162.7	28901.5	71669.5	50038.5	21660.0	33916.4	31907.7	24570.1	50586.7	0243-1
		31357.5	27866.8	59828.6	24557.1	11179.2	25425.7	27670.5	23801.0		
		28849.4	19730.5	18296.2	15609.5	29436.8					
3512.00	S/Sst	56243.7	24105.6	160670.1	107995.1	44538.6	60989.8	79074.4	56058.9	93555.0	0254-1
		81672.1	47823.6	99904.7	69847.1	29428.2	52846.1	63059.9	53591.5		
		66708.9	61155.0	54583.8	48072.1	84640.1					
3528.00	Sltst	52846.7	21414.2	95887.6	65484.8	27015.3	37445.0	40118.3	29133.4	52860.8	0410-1
		40854.2	35960.7	52524.9	37528.2	16253.2	28496.1	34340.2	31986.9		
		27662.7	26693.7	28362.3	26586.0	31182.1					

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					
3573.00	Sh/Clst	70577.0	30651.5	172770.1	122064.5	53597.8	64468.2	76301.6	50701.8	59822.0	0425-1
		101093.9	58808.0	52009.9	79264.7	34859.7	30182.8	49014.2	45806.9		
		21597.4	32559.6	51833.9	50691.6	38432.9					
3609.00	Sh/Clst	32340.6	12994.6	67420.2	44956.1	18566.6	32204.0	21083.7	14069.0	28354.4	0437-1
		47253.5	17229.1	28027.6	35027.8	14274.1	11584.6	20941.0	10324.7		
		7969.1	18146.6	18372.4	15481.1	23639.0					
3822.00	Sh/Clst	44121.4	18074.6	96066.6	62386.1	27136.5	42425.0	35595.2	23012.8	39520.3	0508-1
		53770.9	25889.4	37210.2	41562.4	16938.1	17658.6	26085.2	19320.3		
		14909.7	22332.3	24315.5	21701.4	28356.8					
3864.00	Sh/Clst	46147.7	19590.2	86258.5	55317.0	22778.0	38046.7	31349.5	19681.7	36792.2	0522-2
		61539.2	23780.4	32326.7	47018.0	18812.0	15715.4	27197.9	15902.0		
		10818.7	22802.4	26713.0	23683.7	31803.0					
3882.00	Sh/Clst	5358.9	2044.5	10931.3	7092.2	2760.4	4805.7	4227.7	2706.8	4634.0	0528-2
		7231.1	3265.6	4478.6	6080.9	2147.1	2069.9	3236.6	2607.5		
		1758.0	2805.1	3784.4	3333.2	3945.5					

Table 11h: Raw triaromatic sterane data (peak height) m/z 231 for Well NOCS 33/6-2

Depth unit of measure: m

Depth	Lithology	a1	b1	c1	d1	e1	f1	g1	Sample
2505.00	Sh/Clst	2427.2	2353.1	529.6	1540.8	562.2	751.7	572.3	0131-1
3471.00	Sh/Clst	19566.8	15442.6	32214.4	81966.6	25788.8	36551.9	25569.5	0391-2
3502.00	S/Sst	31161.2	25699.0	43541.3	102481.1	30037.8	43081.2	30725.8	0243-1
3512.00	S/Sst	16075.5	14311.4	32784.9	87003.4	32617.2	36029.6	30083.1	0254-1
3528.00	Sltst	38719.1	30109.4	42515.6	96679.1	31718.0	38540.7	30630.1	0410-1
3573.00	Sh/Clst	24914.2	18144.3	20057.8	52207.2	23495.2	23828.7	22275.3	0425-1
3609.00	Sh/Clst	18219.5	12666.5	14473.5	30223.8	14511.9	11148.5	13989.8	0437-1
3822.00	Sh/Clst	29027.4	19245.2	22260.3	50949.8	20769.5	20619.3	19439.8	0508-1
3864.00	Sh/Clst	18800.3	12783.3	8957.1	19960.3	9751.0	7925.8	9342.1	0522-2
3882.00	Sh/Clst	15393.6	10514.3	7943.2	20465.9	8291.2	8581.5	8023.5	0528-2

Table 11i: Raw monoaromatic sterane data (peak height) m/z 253 for Well NOCS 33/6-2

Depth unit of measure: m

Depth	Lithology	A1	B1	C1	D1	E1	F1	G1	H1	I1	Sample
2505.00	Sh/Clst	651.6	262.6	190.1	98.3	717.7	89.5	1024.2	883.4	57.3	0131-1
3471.00	Sh/Clst	4200.9	5371.3	6531.0	4859.5	10280.2	2329.1	8339.8	5044.8	709.0	0391-2
3502.00	S/Sst	8278.9	14046.0	3331.2	12622.8	25193.8	3907.5	19489.8	12471.2	2738.5	0243-1
3512.00	S/Sst	5855.2	9799.9	24244.9	20919.1	10664.8	8628.0	39341.4	24951.6	6824.3	0254-1
3528.00	Sltst	6794.6	10694.1	14305.5	10723.3	21204.6	3692.5	15910.6	10926.6	1806.9	0410-1
3573.00	Sh/Clst	8974.4	6388.2	15802.1	12898.2	24621.4	1260.8	19593.4	18494.2	1156.8	0425-1
3609.00	Sh/Clst	4287.8	2577.9	2998.5	1980.3	5067.6	1301.5	7709.4	14067.3	324.0	0437-1
3822.00	Sh/Clst	7344.2	5210.5	13746.8	9883.4	22185.3	5973.5	18446.8	22469.4	961.9	0508-1
3864.00	Sh/Clst	2674.6	1713.8	4369.0	2761.6	6999.6	1792.9	10112.5	20079.7	618.7	0522-2
3882.00	Sh/Clst	1564.4	1814.2	4990.7	2936.6	8376.8	1706.6	18510.3	21565.4	689.7	0528-2

Table 11j: Raw sterane data (peak height) m/z 218 SIR for Well NOCS 33/6-2

Depth unit of measure: m

Depth	Lithology	h	i	n	o	r	s	x	y	Sample
2505.00	Sh/Clst	21166.7	17659.6	15064.8	15187.1	18456.3	18317.4	3639.6	2977.2	0131-1
3471.00	Sh/Clst	69958.0	59883.4	61558.0	59871.2	52966.8	53767.7	17191.4	18133.0	0391-2
3502.00	S/Sst	43182.5	37137.6	35127.0	34810.8	23780.4	23521.4	7438.2	7901.6	0243-1
3512.00	S/Sst	83058.3	71282.2	81388.8	77029.2	68557.9	69787.2	20881.9	23479.4	0254-1
3528.00	Sltst	52887.1	46124.9	41687.4	42191.3	33514.2	36676.3	12269.3	13101.0	0410-1
3573.00	Sh/Clst	87732.5	75154.5	64018.9	66621.0	75864.9	77041.3	17705.5	17694.2	0425-1
3609.00	Sh/Clst	24782.7	20097.6	13871.4	14438.5	25098.2	24545.3	3928.4	3546.6	0437-1
3822.00	Sh/Clst	40292.3	34609.0	29205.0	28641.8	35110.3	34494.6	7991.2	7968.5	0508-1
3864.00	Sh/Clst	33518.9	27976.5	22059.8	23091.1	37735.6	36253.7	5992.5	5806.7	0522-2
3882.00	Sh/Clst	5022.0	4056.0	3581.1	3884.0	5350.1	5152.6	807.2	864.7	0528-2

Depth unit of measure: m

<u>Depth</u>	<u>Lithology</u>	<u>25nor28aß</u>	<u>25nor30aß</u>	<u>Sample</u>
2505.00	Sh/Clst	3829.2	2023.4	0131-1
3471.00	Sh/Clst	0.0	0.0	0391-2
3502.00	S/Sst	0.0	0.0	0243-1
3512.00	S/Sst	0.0	0.0	0254-1
3528.00	Sltst	0.0	0.0	0410-1
3573.00	Sh/Clst	53302.5	17828.8	0425-1
3609.00	Sh/Clst	6873.0	2228.9	0437-1
3822.00	Sh/Clst	10642.7	2984.1	0508-1
3864.00	Sh/Clst	13587.8	4983.4	0522-2
3882.00	Sh/Clst	0.0	0.0	0528-2