

Table 1 : Lithology description for well NOCS 6507/5-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
3881.00	swc					0085
	0.31	100	Sh/Clst: drk gy			0085-1L
3917.00	swc					0086
	1.30	100	Sh/Clst: drk gy			0086-1L
3971.50	swc					0087
	1.18	100	Sh/Clst: drk gy			0087-1L
4005.00	swc					0088
	0.28	100	Sh/Clst: drk gy			0088-1L
4072.00	swc					0089
	1.56	100	Sh/Clst: drk gy			0089-1L
4111.00	swc					0090
	0.13	100	Sltst : drk gy			0090-1L
4132.00	swc					0091
	0.39	100	Sh/Clst: drk gy			0091-1L

Table 2: Rock-Eval table for well NOCS 6507/5-1

Depth unit of measure: m

Depth	Typ	Form	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
1080.00	cut		bulk	0.37	-	-	-	0.21	-	-	0.4	1.00	-	0030-0B
1090.00	cut		bulk	2.06	0.57	-	-	0.30	190	-	2.6	0.78	377	0031-0B
1410.00	cut		bulk	1.80	0.66	-	-	0.43	153	-	2.5	0.73	432	0032-0B
1420.00	cut		bulk	0.87	0.23	-	-	0.27	85	-	1.1	0.79	417	0033-0B
1800.00	cut		bulk	20.40	4.27	-	-	3.34	128	-	24.7	0.83	421	0034-0B
1800.00	min		bulk	6.64	2.54	-	-	1.96	130	-	9.2	0.72	422	0035-0B
1960.00	cut		bulk	15.21	2.00	-	-	1.68	119	-	17.2	0.88	334	0036-0B
1960.00	min		bulk	3.28	1.66	-	-	0.71	234	-	4.9	0.66	336	0037-0B
2155.00	cut		bulk	11.42	2.94	-	-	1.28	230	-	14.4	0.80	433	0038-0B
2155.00	min		bulk	4.68	3.67	-	-	1.17	314	-	8.4	0.56	432	0039-0B
2188.00	cut		bulk	13.63	3.20	-	-	1.88	170	-	16.8	0.81	370	0040-0B
2290.00	cut		bulk	12.79	3.66	-	-	1.90	193	-	16.5	0.78	411	0041-0B
2290.00	min		bulk	2.88	2.34	-	-	1.10	213	-	5.2	0.55	404	0042-0B
2788.00	cut		bulk	8.44	2.27	-	-	1.15	197	-	10.7	0.79	398	0043-0B
2788.00	min		bulk	2.16	1.88	-	-	0.81	232	-	4.0	0.53	390	0044-0B
3178.00	cut		Sh/Clst: drk gy	0.15	1.66	-	-	1.43	116	-	1.8	0.08	426	0051-1L

Table 2: Rock-Eval table for well NOCS 6507/5-1

Depth unit of measure: m

Depth	Typ	Form	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
3181.00	cut		Sh/Clst: drk gy	0.28	24.63	-	-	6.40	385	-	24.9	0.01	430	0052-1L
3184.00	cut		bulk	17.51	19.20	-	-	6.16	312	-	36.7	0.48	425	0045-0B
3184.00	min		bulk	6.93	17.01	-	-	5.24	325	-	23.9	0.29	421	0046-0B
3190.00	cut		Sh/Clst: drk gy	0.32	20.09	-	-	7.24	277	-	20.4	0.02	429	0053-1L
3193.00	cut		Sh/Clst: drk gy	0.23	19.76	-	-	6.83	289	-	20.0	0.01	430	0054-1L
3196.00	cut		Sh/Clst: drk gy	0.23	18.17	-	-	7.47	243	-	18.4	0.01	431	0055-1L
3199.00	cut		bulk	12.32	14.59	-	-	6.50	224	-	26.9	0.46	426	0047-0B
3199.00	min		bulk	4.18	13.76	-	-	6.00	229	-	17.9	0.23	425	0048-0B
3202.00	cut		Sh/Clst: drk gy	0.26	14.11	-	-	6.22	227	-	14.4	0.02	426	0056-1L
3202.00	cut		Sh/Clst: lt gy	0.17	5.32	-	-	1.78	299	-	5.5	0.03	433	0056-2L
3205.00	cut		Sh/Clst: drk gy	0.30	14.83	-	-	6.57	226	-	15.1	0.02	425	0057-1L
3205.00	cut		Sh/Clst: lt gy	0.18	5.26	-	-	1.66	317	-	5.4	0.03	432	0057-2L
3211.00	cut		Sh/Clst: drk gy	0.25	15.67	-	-	5.80	270	-	15.9	0.02	424	0058-1L
3211.00	cut		Sh/Clst: lt gy	0.22	4.55	-	-	1.47	310	-	4.8	0.05	435	0058-2L
3217.00	cut		Sh/Clst: lt gy	0.20	5.18	-	-	1.58	328	-	5.4	0.04	435	0059-2L
3223.00	cut		Sh/Clst: lt gy	0.19	4.89	-	-	1.45	337	-	5.1	0.04	436	0060-2L

Table 2: Rock-Eval table for well NOCS 6507/5-1

Depth unit of measure: m

Depth	Typ	Form	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
3229.00	cut		Sh/Clst: lt gy	0.17	4.73	-	-	1.45	326	-	4.9	0.03	435	0061-2L
3235.00	cut		bulk	8.87	4.66	-	-	2.05	227	-	13.5	0.66	423	0049-0B
3235.00	min		bulk	2.21	3.54	-	-	1.65	215	-	5.8	0.38	423	0050-0B
3242.00	cut		Sh/Clst: gy	0.23	4.32	-	-	1.55	279	-	4.6	0.05	438	0062-1L
3248.00	cut		Sh/Clst: gy	0.21	4.06	-	-	1.62	251	-	4.3	0.05	436	0063-1L
3251.00	swc		Sh/Clst: drk gy	0.06	3.30	-	-	1.61	205	-	3.4	0.02	438	0072-1L
3254.00	cut		Sh/Clst: gy	0.19	4.66	-	-	1.85	252	-	4.8	0.04	436	0064-1L
3263.00	cut		Sh/Clst: gy	0.22	4.12	-	-	1.61	256	-	4.3	0.05	437	0065-1L
3268.00	swc		Sltst : drk gy	0.06	2.57	-	-	1.83	140	-	2.6	0.02	436	0073-1L
3288.00	swc		Sh/Clst: drk gy	0.12	4.20	-	-	3.05	138	-	4.3	0.03	438	0074-1L
3290.00	cut		Sh/Clst: gy	0.21	4.90	-	-	2.51	195	-	5.1	0.04	437	0066-1L
3300.00	swc		Sh/Clst: drk gy	0.15	5.69	-	-	4.19	136	-	5.8	0.03	441	0075-1L
3308.00	cut		Sh/Clst: gy	0.37	5.76	-	-	3.06	188	-	6.1	0.06	432	0067-1L
3327.50	swc		Sltst : drk gy	0.11	2.62	-	-	2.60	101	-	2.7	0.04	436	0076-1L
3332.00	cut		Sh/Clst: gy	0.15	3.93	-	-	3.03	130	-	4.1	0.04	435	0068-1L
3338.00	swc		Sh/Clst: drk gy	0.17	3.06	-	-	2.91	105	-	3.2	0.05	440	0077-1L

Table 2: Rock-Eval table for well NOCS 6507/5-1

Depth unit of measure: m

Depth	Typ	Form	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
3352.00	swc		Sh/Clst: drk gy	0.15	2.43	-	-	2.23	109	-	2.6	0.06	442	0078-1L
3356.00	cut		Sh/Clst: gy	0.22	4.76	-	-	2.69	177	-	5.0	0.04	437	0069-1L
3360.00	swc		Sh/Clst: drk gy	0.12	0.70	-	-	0.75	93	-	0.8	0.15	446	0079-1L
3365.00	swc		Sh/Clst: drk gy	0.10	2.16	-	-	1.80	120	-	2.3	0.04	442	0080-1L
3368.00	cut		Sh/Clst: gy	0.19	3.38	-	-	1.55	218	-	3.6	0.05	438	0070-1L
3370.00	swc		Sh/Clst: drk gy	0.09	1.22	-	-	1.44	85	-	1.3	0.07	442	0081-1L
3375.00	swc		Sh/Clst: drk gy	0.09	1.27	-	-	1.38	92	-	1.4	0.07	443	0082-1L
3377.00	cut		Sh/Clst: gy	0.15	2.48	-	-	1.33	186	-	2.6	0.06	436	0071-1L
3724.00	swc		Sh/Clst: drk gy	0.12	2.64	-	-	1.80	147	-	2.8	0.04	437	0083-1L
3809.00	swc		Sltst : drk gy	0.20	0.62	-	-	0.64	97	-	0.8	0.24	439	0084-1L
3881.00	swc		Sh/Clst: drk gy	0.04	0.28	-	-	0.31	90	-	0.3	0.13	454	0085-1L
3917.00	swc		Sh/Clst: drk gy	0.08	1.21	-	-	1.30	93	-	1.3	0.06	448	0086-1L
3971.50	swc		Sh/Clst: drk gy	0.08	0.74	-	-	1.18	63	-	0.8	0.10	464	0087-1L
4005.00	swc		Sh/Clst: drk gy	0.01	0.12	-	-	0.28	43	-	0.1	0.08	470	0088-1L
4072.00	swc		Sh/Clst: drk gy	0.12	1.43	-	-	1.56	92	-	1.5	0.08	456	0089-1L
4111.00	swc		Sltst : drk gy	0.01	0.12	-	-	0.13	92	-	0.1	0.08	437	0090-1L

Table 2: Rock-Eval table for well NOCS 6507/5-1

Depth unit of measure: m

Depth	Typ	Form	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
4132.00	swc		Sh/Clst: drk gy	0.05	0.30	-	-	0.39	77	-	0.4	0.14	414	0091-1L

Table 3a: MPLC Bulk Composition: Weight of EOM and Fraction for well NOCS 6507/5-1

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
3446.85	ccp	bulk	4.7	60.9	47.1	9.1	1.2	3.4	56.3	4.6	-	0012-0B
3447.60	ccp	bulk	4.6	71.0	52.5	12.6	0.9	5.0	65.1	5.9	-	0021-0B
3447.65	ccp	bulk	4.8	71.0	51.7	13.2	1.5	4.6	64.9	6.1	-	0022-0B
3449.70	ccp	bulk	4.1	7.0	3.5	0.6	2.0	0.9	4.1	2.9	-	0007-0B
3496.00	ccp	bulk	4.2	27.7	24.0	2.3	0.4	0.9	26.4	1.3	-	0018-0B
3596.00	ccp	bulk	4.3	64.1	45.9	12.4	1.9	3.8	58.3	5.8	-	0024-0B
3620.00	ccp	bulk	4.1	4.6	0.8	0.8	1.7	1.2	1.7	2.9	-	0025-0B
3626.00	ccp	bulk	4.1	6.3	1.9	1.0	1.5	1.9	2.9	3.4	-	0026-0B
3643.00	ccp	bulk	4.2	40.0	22.4	11.1	2.2	4.2	33.6	6.4	-	0027-0B
3650.00	ccp	bulk	4.2	43.9	25.1	11.4	3.1	4.2	36.6	7.3	-	0028-0B
3663.00	ccp	bulk	8.3	30.2	15.7	8.0	2.8	3.7	23.7	6.5	-	0029-0B

Note: TOC is not performed on these "hot shot" samples.

Table 3b: MPLC Bulk Composition: Concentration of EOM and Fraction (wt ppm rock) for well NOCS 6507/5-1

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
3446.85	ccp	bulk	12902	9984	1937	263	716	11922	979	0012-0B
3447.60	ccp	bulk	15502	11458	2748	196	1099	14206	1295	0021-0B
3447.65	ccp	bulk	14915	10860	2767	323	964	13627	1288	0022-0B
3449.70	ccp	bulk	1699	856	142	485	214	999	699	0007-0B
3496.00	ccp	bulk	6658	5778	564	98	217	6343	315	0018-0B
3596.00	ccp	bulk	14872	10653	2875	452	891	13529	1343	0024-0B
3620.00	ccp	bulk	1111	200	200	409	300	401	710	0025-0B
3626.00	ccp	bulk	1555	478	239	358	478	717	837	0026-0B
3643.00	ccp	bulk	9456	5305	2632	515	1002	7937	1518	0027-0B
3650.00	ccp	bulk	10578	6060	2754	746	1017	8814	1763	0028-0B
3663.00	ccp	bulk	3638	1890	964	339	443	2854	783	0029-0B



Table 3c: MPLC Bulk Composition: Concentration of EOM and Fraction (mg/g TOC(e)) for well NOCS 6507/5-1

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
3446.85	ccp	bulk	-	-	-	-	-	-	-	0012-0B
3447.60	ccp	bulk	-	-	-	-	-	-	-	0021-0B
3447.65	ccp	bulk	-	-	-	-	-	-	-	0022-0B
3449.70	ccp	bulk	-	-	-	-	-	-	-	0007-0B
3496.00	ccp	bulk	-	-	-	-	-	-	-	0018-0B
3596.00	ccp	bulk	-	-	-	-	-	-	-	0024-0B
3620.00	ccp	bulk	-	-	-	-	-	-	-	0025-0B
3626.00	ccp	bulk	-	-	-	-	-	-	-	0026-0B
3643.00	ccp	bulk	-	-	-	-	-	-	-	0027-0B
3650.00	ccp	bulk	-	-	-	-	-	-	-	0028-0B
3663.00	ccp	bulk	-	-	-	-	-	-	-	0029-0B

Table 3d: MPLC Bulk Composition: Material extracted from the rock (%) for well NOCS 6507/5-1

Depth unit of measure: m

Depth	Typ	Lithology	Sat	Aro	Asph	NSO	Total	HC	Non-HC	Recov. MPLC	Recov. Asph	Sample
3446.85	ccp	bulk	77.39	15.02	2.04	5.55	100.00	92.40	7.60	-	0.02	0012-0B
3447.60	ccp	bulk	73.91	17.73	1.27	7.09	100.00	91.64	8.36	-	0.01	0021-0B
3447.65	ccp	bulk	72.81	18.55	2.17	6.47	100.00	91.36	8.64	-	0.02	0022-0B
3449.70	ccp	bulk	50.42	8.40	28.57	12.61	100.00	58.82	41.18	-	0.29	0007-0B
3496.00	ccp	bulk	86.78	8.48	1.48	3.26	100.00	95.26	4.74	-	0.01	0018-0B
3596.00	ccp	bulk	71.63	19.34	3.04	5.99	100.00	90.97	9.03	-	0.03	0024-0B
3620.00	ccp	bulk	18.05	18.05	36.84	27.07	100.00	36.09	63.91	-	0.37	0025-0B
3626.00	ccp	bulk	30.77	15.38	23.08	30.77	100.00	46.15	53.85	-	0.23	0026-0B
3643.00	ccp	bulk	56.11	27.83	5.45	10.60	100.00	83.94	16.06	-	0.05	0027-0B
3650.00	ccp	bulk	57.29	26.04	7.06	9.61	100.00	83.33	16.67	-	0.07	0028-0B
3663.00	ccp	bulk	51.96	26.51	9.34	12.19	100.00	78.46	21.54	-	0.09	0029-0B

Table 3e: MPLC Bulk Composition: Ratios for well NOCS 6507/5-1

Depth unit of measure: m

Depth	Typ	Lithology	Sat	HC	Asp	Sample
			Aro	Non-HC	NSO	
3446.85	ccp	bulk	5.15	12.17	0.37	0012-0B
3447.60	ccp	bulk	4.17	10.96	0.18	0021-0B
3447.65	ccp	bulk	3.92	10.58	0.34	0022-0B
3449.70	ccp	bulk	6.00	1.43	2.27	0007-0B
3496.00	ccp	bulk	10.23	20.10	0.45	0018-0B
3596.00	ccp	bulk	3.70	10.07	0.51	0024-0B
3620.00	ccp	bulk	1.00	0.56	1.36	0025-0B
3626.00	ccp	bulk	2.00	0.86	0.75	0026-0B
3643.00	ccp	bulk	2.02	5.23	0.51	0027-0B
3650.00	ccp	bulk	2.20	5.00	0.73	0028-0B
3663.00	ccp	bulk	1.96	3.64	0.77	0029-0B

Table 3f. Quantitative Analysis of EOM, n-alkanes for well 6507/5-1

sample	nC12 mg/g eom	nC13 mg/g eom	nC14 mg/g eom	nC15 mg/g eom	nC16 mg/g eom	nC17 mg/g eom	nC18 mg/g eom	nC19 mg/g eom	nC20 mg/g eom	nC21 mg/g eom	nC22 mg/g eom	nC23 mg/g eom	nC24 mg/g eom	nC25 mg/g eom	nC26 mg/g eom	nC27 mg/g eom	nC28 mg/g eom	nC29 mg/g eom	nC30 mg/g eom	nC31 mg/g eom	nC32 mg/g eom	nC33 mg/g eom	nC34 mg/g eom	
3392.5m	0.10	0.76	3.03	4.73	4.34	3.41	2.08	1.15	0.67	0.40	0.26	0.17	0.10	0.04	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3408.17m	0.68	1.00	2.28	3.12	2.67	2.06	1.59	1.13	1.02	0.72	0.58	0.41	0.30	0.29	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Table 1. Quantitative Analysis of EOM, branched alkanes for well 6507/5-1

sample	iC18 mg/g eom	Pristane mg/g eom	Phytane mg/g eom
3392.50m	1.91	1.55	0.63
3408.17m	1.43	0.95	0.62

Table 4: Saturated Hydrocarbon Ratios (peak area) for well NOCS 6507/5-1

Depth unit of measure: m

Depth	Typ	Lithology	Pristane	Pristane	Pristane/nC17	Phytane	CPI1	nC17	Sample
			nC17	Phytane	Phytane/nC18	nC18		nC17+nC27	
3446.85	ccp	bulk	0.59	1.89	1.83	0.32	1.07	0.94	0012-0B
3447.60	ccp	bulk	0.49	1.76	1.26	0.39	1.07	0.90	0021-0B
3447.65	ccp	bulk	0.48	1.42	1.02	0.47	1.08	0.92	0022-0B
3449.70	ccp	bulk	0.45	1.19	1.00	0.45	1.01	0.91	0007-0B
3496.00	ccp	bulk	0.42	1.11	0.97	0.43	1.03	0.95	0018-0B
3596.00	ccp	bulk	0.67	1.58	1.26	0.53	1.01	0.84	0024-0B
3620.00	ccp	bulk	0.68	1.64	1.56	0.44	1.17	0.69	0025-0B
3626.00	ccp	bulk	0.74	1.33	1.33	0.56	1.08	0.70	0026-0B
3643.00	ccp	bulk	0.82	1.36	1.29	0.63	1.00	0.72	0027-0B
3650.00	ccp	bulk	0.77	1.37	1.28	0.60	1.04	0.73	0028-0B
3663.00	ccp	bulk	0.69	1.64	1.64	0.42	1.06	0.64	0029-0B

Table 5a: Aromatic Hydrocarbon Ratios (peak area) for well NOCS 6507/5-1

Depth unit of measure: m

Depth	Typ	Lithology	MNR	DMNR	BPhR	2/1MP	MPI1	MPI2	Rc	DBT/P	4/1MDBT	(3+2) /1MDBT	Sample
3446.85	ccp	bulk	1.58	2.69	0.27	2.03	0.86	1.07	0.92	0.31	4.98	1.68	0012-0B
3447.60	ccp	bulk	1.66	3.42	0.42	1.81	0.76	0.88	0.86	0.28	3.86	2.17	0021-0B
3447.65	ccp	bulk	1.60	2.91	0.50	1.87	0.64	0.74	0.78	0.21	4.38	1.93	0022-0B
3449.70	ccp	bulk	-	-	-	1.34	0.84	0.99	0.90	0.41	7.62	2.16	0007-0B
3496.00	ccp	bulk	1.45	2.38	0.21	1.59	0.81	1.02	0.89	0.36	5.10	1.87	0018-0B
3596.00	ccp	bulk	1.60	2.71	0.25	1.99	0.92	1.12	0.95	0.43	6.48	2.39	0024-0B
3620.00	ccp	bulk	-	-	-	1.22	0.82	0.95	0.89	0.63	6.60	2.12	0025-0B
3626.00	ccp	bulk	-	1.32	0.05	1.32	0.85	1.00	0.91	0.53	7.84	2.56	0026-0B
3643.00	ccp	bulk	1.64	3.53	0.26	1.66	0.90	1.11	0.94	0.39	5.75	2.20	0027-0B
3650.00	ccp	bulk	1.61	3.33	0.25	1.73	0.89	1.12	0.94	0.43	5.09	2.05	0028-0B
3663.00	ccp	bulk	1.42	3.08	0.24	1.68	0.85	1.10	0.91	0.33	4.54	1.83	0029-0B

Table 5b: Aromatic Hydrocarbon Ratios (peak area) for well NOCS 6507/5-1

Depth unit of measure: m

Depth	Typ	Lithology	F1	F2	Sample
3446.85	ccp	bulk	0.53	0.33	0012-0B
3447.60	ccp	bulk	0.50	0.29	0021-0B
3447.65	ccp	bulk	0.54	0.31	0022-0B
3449.70	ccp	bulk	0.48	0.28	0007-0B
3496.00	ccp	bulk	0.49	0.31	0018-0B
3596.00	ccp	bulk	0.54	0.33	0024-0B
3620.00	ccp	bulk	0.47	0.27	0025-0B
3626.00	ccp	bulk	0.48	0.28	0026-0B
3643.00	ccp	bulk	0.51	0.32	0027-0B
3650.00	ccp	bulk	0.52	0.33	0028-0B
3663.00	ccp	bulk	0.51	0.33	0029-0B



Table 6a: Variation in Triterpane Distribution (peak height) SIR for Well NOCS 6507/5-1

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
3446.85	bulk	0.89	0.47	0.13	0.50	0.33	0.07	0.14	0.28	0.12	0.12	0.90	0.33	0.11	60.67	0012-0
3447.60	bulk	0.87	0.47	0.13	0.47	0.32	0.07	0.12	0.26	0.11	0.10	0.91	0.32	0.10	60.09	0021-0
3447.65	bulk	0.87	0.46	0.13	0.49	0.33	0.07	0.13	0.27	0.12	0.11	0.90	0.33	0.11	59.56	0022-0
3449.70	bulk	0.95	0.49	0.15	0.54	0.35	0.05	0.14	0.25	0.12	0.16	0.90	0.35	0.12	61.64	0007-0
3496.00	bulk	0.94	0.49	0.14	0.50	0.33	0.05	0.13	0.27	0.12	0.17	0.91	0.33	0.10	58.26	0018-0
3596.00	bulk	0.72	0.42	0.14	0.50	0.33	0.08	0.15	0.31	0.13	0.12	0.92	0.34	0.10	59.88	0024-0
3620.00	bulk	0.96	0.49	0.09	0.35	0.26	0.07	0.07	0.21	0.07	0.04	0.89	0.26	0.12	58.11	0025-0
3626.00	bulk	0.83	0.46	0.17	0.60	0.38	0.09	0.20	0.33	0.16	0.11	0.92	0.38	0.10	58.98	0026-0
3643.00	bulk	0.89	0.47	0.13	0.49	0.33	0.07	0.16	0.33	0.14	0.09	0.93	0.34	0.09	59.74	0027-0
3650.00	bulk	0.95	0.49	0.13	0.50	0.33	0.06	0.16	0.32	0.14	0.08	0.92	0.34	0.09	63.24	0028-0
3663.00	bulk	1.12	0.53	0.17	0.49	0.33	0.06	0.17	0.34	0.14	0.08	0.92	0.33	0.09	59.62	0029-0

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 6b: Variation in Sterane Distribution (peak height) SIR for Well NOCS 6507/5-1

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>
3446.85	bulk	0.78	47.01	79.59	1.27	0.81	0.50	0.35	0.66	0.89	3.68	0012-0
3447.60	bulk	0.80	49.07	80.23	1.28	0.81	0.48	0.33	0.67	0.96	3.98	0021-0
3447.65	bulk	0.78	47.03	80.38	1.18	0.81	0.47	0.33	0.67	0.89	3.87	0022-0
3449.70	bulk	0.78	42.76	78.61	1.48	0.81	0.50	0.36	0.65	0.75	3.21	0007-0
3496.00	bulk	0.80	43.46	78.20	1.48	0.80	0.62	0.47	0.64	0.77	3.17	0018-0
3596.00	bulk	0.82	49.06	81.18	1.28	0.81	0.47	0.33	0.68	0.96	4.24	0024-0
3620.00	bulk	0.79	46.25	78.01	1.10	0.79	0.55	0.42	0.64	0.86	3.30	0025-0
3626.00	bulk	0.77	47.24	80.42	1.11	0.81	0.49	0.34	0.67	0.90	3.89	0026-0
3643.00	bulk	0.78	48.43	81.49	1.12	0.82	0.41	0.28	0.69	0.94	4.27	0027-0
3650.00	bulk	0.80	47.55	82.11	1.23	0.83	0.41	0.29	0.70	0.91	4.38	0028-0
3663.00	bulk	0.79	50.83	81.88	1.04	0.82	0.34	0.23	0.69	1.03	4.60	0029-0

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 6c: Variation in Triaromatic Sterane Distribution (peak height) for Well NOCS 6507/5-1

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>
3446.85	bulk	0.62	0.64	0.40	0.34	0.49	0012-0
3447.60	bulk	0.61	0.64	0.39	0.34	0.45	0021-0
3447.65	bulk	0.65	0.66	0.41	0.37	0.49	0022-0
3449.70	bulk	0.75	0.76	0.54	0.49	0.62	0007-0
3496.00	bulk	0.74	0.75	0.52	0.47	0.61	0018-0
3596.00	bulk	0.71	0.72	0.51	0.46	0.59	0024-0
3620.00	bulk	0.76	0.76	0.58	0.53	0.67	0025-0
3626.00	bulk	0.76	0.78	0.56	0.49	0.65	0026-0
3643.00	bulk	0.61	0.63	0.39	0.34	0.48	0027-0
3650.00	bulk	0.58	0.61	0.37	0.32	0.46	0028-0
3663.00	bulk	0.58	0.60	0.38	0.33	0.49	0029-0

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 6d: Variation in Monoaromatic Sterane Distribution (peak height) for Well NOCS 6507/5-1

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>
3446.85	bulk	0.45	0.34	0.30	0.26	0012-0
3447.60	bulk	0.45	0.32	0.30	0.25	0021-0
3447.65	bulk	0.46	0.35	0.31	0.27	0022-0
3449.70	bulk	0.44	0.31	0.29	0.25	0007-0
3496.00	bulk	0.51	0.35	0.36	0.30	0018-0
3596.00	bulk	0.51	0.43	0.34	0.31	0024-0
3620.00	bulk	0.52	0.41	0.34	0.29	0025-0
3626.00	bulk	0.54	0.38	0.38	0.32	0026-0
3643.00	bulk	0.41	0.31	0.26	0.23	0027-0
3650.00	bulk	0.41	0.31	0.26	0.23	0028-0
3663.00	bulk	0.37	0.30	0.21	0.19	0029-0

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 6e: Aromatisation of Steranes (peak height) for Well NOCS 6507/5-1

Depth unit of measure: m

<u>Depth</u>	<u>Lithology</u>	<u>Ratio1</u>	<u>Ratio2</u>	<u>Sample</u>
3446.85	bulk	0.41	0.91	0012-0
3447.60	bulk	0.45	0.89	0021-0
3447.65	bulk	0.45	0.89	0022-0
3449.70	bulk	0.39	0.90	0007-0
3496.00	bulk	0.47	0.90	0018-0
3596.00	bulk	0.47	0.91	0024-0
3620.00	bulk	0.39	0.91	0025-0
3626.00	bulk	0.40	0.93	0026-0
3643.00	bulk	0.47	0.93	0027-0
3650.00	bulk	0.43	0.94	0028-0
3663.00	bulk	0.42	0.93	0029-0

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

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

Table 6f: Raw triterpane data (peak height) m/z 191 SIR for Well NOCS 6507/5-1

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	
3446.85	bulk	7013.6 21325.1 11112.1	5031.7 8153.3 10207.3	2053.5 3035.9 6616.1	4607.1 2249.8 5726.3	1011.2 0.0 3911.5	8088.3 43059.7 3590.1	7200.0 4607.3 2428.8	5910.1 1694.4 3001.4	1138.8 17621.3 2042.3	0012-0
3447.60	bulk	3413.6 11657.8 6022.8	2592.0 4513.6 5645.7	1025.7 1614.7 3750.2	2469.2 1290.5 3354.9	507.6 0.0 2373.4	4587.7 24774.3 2100.0	4005.9 2350.7 1393.4	3028.4 1105.7 1817.3	568.9 9485.7 1194.9	0021-0
3447.65	bulk	4580.5 15293.1 7739.7	3461.9 5852.6 7236.0	1396.0 2147.5 4912.1	3099.1 1613.9 4357.8	656.6 0.0 2935.3	6074.4 31519.0 2805.1	5268.4 3311.1 1752.2	4121.9 1284.5 2161.2	782.3 11559.1 1583.2	0022-0
3449.70	bulk	10268.9 21354.2 10387.9	6400.8 7788.1 8994.2	2860.8 2142.9 5596.7	5203.3 2650.0 4757.1	1590.4 0.0 3370.9	8342.2 39242.9 3189.3	7903.8 4495.9 2124.8	5320.0 2253.2 2573.7	2411.6 16264.4 1534.2	0007-0
3496.00	bulk	5219.7 9645.6 4250.8	3372.3 3290.5 3631.7	1316.0 949.8 2602.1	2612.7 1068.8 1981.0	617.6 0.0 1334.6	3660.1 19327.1 1052.1	3450.3 1964.2 549.5	2584.6 868.1 697.0	468.0 6816.3 454.1	0018-0
3596.00	bulk	5694.9 19381.3 9352.5	4642.9 8473.6 8445.6	2014.6 3174.1 5658.8	4169.8 2163.0 4129.2	1029.7 0.0 2815.6	9262.5 38702.8 2437.4	6698.5 3503.7 1628.0	5935.6 1550.0 2249.6	1060.6 15160.7 1473.5	0024-0
3620.00	bulk	4552.6 27321.8 22601.9	3113.3 13362.5 22136.4	1236.2 5876.1 15955.1	4658.0 3506.4 15182.7	488.5 0.0 11031.5	9666.4 79089.0 10907.6	9231.7 9341.7 7712.8	5652.8 2398.9 5137.8	2103.2 36144.5 3186.1	0025-0



Table 6f: Raw triterpane data (peak height) m/z 191 SIR for Well NOCS 6507/5-1

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	
3626.00	bulk	5030.6 19843.6 8572.1	3789.5 8314.3 8071.2	1613.2 2810.1 5614.6	4344.9 2130.3 6675.7	765.1 0.0 4681.8	8733.0 32952.9 4543.8	7291.0 2916.9 3115.3	6470.6 1239.3 3496.4	1095.8 14216.0 2236.1	0026-0
3643.00	bulk	13518.6 61155.6 23441.0	11604.9 24768.2 23095.3	5108.5 8574.4 15562.7	12157.3 7224.0 13275.4	2514.3 0.0 8830.3	23111.5 124775.0 8449.8	20682.7 9529.0 7236.9	20091.8 3511.0 10015.0	3736.2 38771.5 6473.1	0027-0
3650.00	bulk	16589.8 79266.6 37961.7	13372.0 30425.4 30018.7	6148.3 9546.4 17446.6	15569.4 8587.0 14942.9	3083.1 0.0 10337.0	28076.3 158719.0 9075.1	26681.5 13418.4 5925.2	25503.9 5746.6 7655.8	4582.8 64241.6 4920.6	0028-0
3663.00	bulk	12947.3 67998.9 32953.2	10964.1 24360.8 30544.9	5234.4 7945.6 20688.3	18692.3 7006.9 25340.6	2728.5 0.0 17468.9	27874.9 139187.6 17385.4	31189.5 12430.9 11427.9	23240.4 4346.8 14404.3	4439.7 54688.6 9385.3	0029-0

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	29BR	29BS	29aaR					
3446.85	bulk	6760.9 4761.4 1059.9	3403.8 4212.4 1649.1	7055.1 1940.4 3682.6	4781.7 3633.8 3159.1	1559.3 1190.9 1859.1	2006.2 1601.7	3160.2 2574.3	1942.2 3499.4	1945.3	0012-0
3447.60	bulk	3495.7 2656.3 625.5	1642.6 2379.2 912.5	3971.5 1000.2 2032.3	2628.3 1996.1 1742.3	874.2 640.7 947.3	1054.0 813.1	1683.8 1387.7	1068.0 2050.1	1067.9	0021-0
3447.65	bulk	4417.7 3664.3 704.1	2250.4 3243.1 1148.1	4947.9 1366.3 2673.8	3448.7 2782.6 2327.0	1120.2 865.6 1293.3	1399.6 1120.9	2253.6 1900.2	1444.1 2605.9	1691.6	0022-0
3449.70	bulk	6706.8 4262.2 919.2	3430.6 3986.4 1507.0	7180.5 2066.0 3465.8	5414.2 3278.5 3011.8	1693.7 1100.7 2017.7	2011.9 1310.3	2942.2 2354.3	1825.3 3075.3	2100.7	0007-0
3496.00	bulk	4371.2 2075.6 481.1	2009.4 1787.5 600.2	3615.7 885.0 1344.1	2223.3 1503.1 1132.8	710.0 468.1 780.8	951.5 604.5	1470.3 1010.6	861.3 1398.6	825.6	0018-0
3596.00	bulk	5742.5 5198.7 619.4	2830.8 4111.3 1483.4	7338.5 1615.0 3550.0	4927.4 3836.2 2972.6	1661.5 1143.5 1540.0	2062.6 1239.9	3432.7 2334.7	2058.1 3218.0	1851.6	0024-0

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

Table 6g: Raw sterane data (peak height) m/z 217 SIR for Well NOCS 6507/5-1

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	29BR	29BS	29aaR					
3620.00	bulk	4921.1	2668.5	3762.3	2541.2	736.8	1161.3	1499.9	954.3	1198.5	0025-0
		3323.0	2265.7	1010.7	2318.2	741.4	705.4	1101.9	1639.5		
		344.0	1033.2	2150.4	1811.4	1200.8					
3626.00	bulk	5054.5	2751.0	5322.2	3456.7	1119.8	1567.6	2468.1	1446.6	1625.4	0026-0
		4154.5	3738.3	1571.3	3067.9	894.6	1172.5	2186.2	3053.2		
		680.1	1255.4	2953.5	2505.3	1402.3					
3643.00	bulk	13240.5	7424.5	19262.5	11476.4	4061.0	4930.3	8374.9	4861.6	5392.1	0027-0
		14093.6	12047.4	5440.1	10532.1	3459.8	4115.3	7533.9	9568.3		
		2115.0	4526.2	11015.5	9560.8	4819.7					
3650.00	bulk	16691.8	8825.5	22758.8	14419.1	4985.2	6230.4	9983.0	5440.0	6446.4	0028-0
		15466.7	13048.7	5707.1	11863.2	3591.8	4507.2	8318.4	10563.8		
		2836.3	5339.1	13812.5	11950.6	5888.4					
3663.00	bulk	12307.7	6359.0	20401.0	13584.1	4558.3	6505.4	10652.6	6204.9	6822.8	0029-0
		17450.4	13194.5	5473.3	12992.0	3994.2	4966.1	8679.6	11180.2		
		2603.9	5730.6	13713.6	11763.6	5543.6					

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

Table 6h: Raw triaromatic sterane data (peak height) m/z 231 for Well NOCS 6507/5-1

Depth unit of measure: m

Depth	Lithology	a1	b1	c1	d1	e1	f1	g1	Sample
3446.85	bulk	52515.4	57098.1	12444.7	53840.7	37276.3	29990.9	32589.3	0012-0
3447.60	bulk	35744.7	40691.2	9880.6	42892.5	24863.5	19980.9	23228.3	0021-0
3447.65	bulk	37305.6	39339.3	9562.7	38870.2	23918.5	18847.7	20518.9	0022-0
3449.70	bulk	55282.4	59904.1	8146.0	34587.5	20517.4	17970.1	18751.8	0007-0
3496.00	bulk	44347.6	46546.9	5905.1	28630.2	18866.7	14999.1	15801.7	0018-0
3596.00	bulk	34412.5	36405.9	4765.9	23451.6	15225.2	11123.8	14060.8	0024-0
3620.00	bulk	36603.1	37423.0	3394.0	17700.1	12058.5	9349.1	11599.8	0025-0
3626.00	bulk	46329.8	52068.8	4631.4	25396.4	18203.9	14325.1	14796.9	0026-0
3643.00	bulk	59094.8	65635.5	12660.4	64887.2	43281.6	31766.3	38500.5	0027-0
3650.00	bulk	49775.5	55752.1	10641.1	58842.0	40510.5	29893.3	36127.6	0028-0
3663.00	bulk	68128.6	71924.2	16626.0	70458.6	53971.3	35513.1	48341.1	0029-0

Table 6 i: Raw monoaromatic sterane data (peak height) m/z 253 for Well NOCS 6507/5-1

Depth unit of measure: m

Depth	Lithology	A1	B1	C1	D1	E1	F1	G1	H1	I1	Sample
3446.85	bulk	25351.7	15625.8	18014.4	14067.2	30915.6	6201.7	28931.6	14225.4	3260.8	0012-0
3447.60	bulk	21241.4	11881.5	16734.6	12071.4	25813.3	4849.9	23087.1	11763.0	2749.1	0021-0
3447.65	bulk	20153.9	12834.8	15625.7	10999.3	23342.5	4573.4	22094.9	10691.4	2463.1	0022-0
3449.70	bulk	13644.8	7899.5	10583.7	8232.7	17285.9	3277.8	15332.6	8120.1	2122.9	0007-0
3496.00	bulk	20971.5	10991.6	12780.6	9405.7	20056.6	3895.3	17568.6	8522.4	1742.8	0018-0
3596.00	bulk	16086.4	11240.9	10856.5	7250.3	15185.8	2980.6	15700.6	7072.9	1323.7	0024-0
3620.00	bulk	8850.6	5587.0	5344.7	4085.7	8130.6	1562.1	8928.1	5358.7	1209.1	0025-0
3626.00	bulk	16545.7	8492.8	8721.6	6710.3	13894.4	2499.1	12820.6	6535.4	1094.6	0026-0
3643.00	bulk	29712.4	19512.7	29649.9	20789.9	43431.1	7568.1	41688.3	20224.9	3039.0	0027-0
3650.00	bulk	23639.0	15475.8	22355.7	15702.8	33857.0	6104.8	33506.6	16360.4	2304.0	0028-0
3663.00	bulk	22254.9	16155.0	24993.3	17875.5	38219.6	8781.6	44977.9	22403.4	3724.1	0029-0

Table 6j: Raw sterane data (peak height) m/z 218 SIR for Well NOCS 6507/5-1

Depth unit of measure: m

Depth	Lithology	27 $\beta$ $\beta$ R	27 $\beta$ $\beta$ S	28 $\beta$ $\beta$ R	28 $\beta$ $\beta$ S	29 $\beta$ $\beta$ R	29 $\beta$ $\beta$ S	30 $\beta$ $\beta$ R	30 $\beta$ $\beta$ S	Sample
3446.85	bulk	5446.6	5732.8	4208.1	5276.4	6048.2	5831.8	1478.3	1479.2	0012-0
3447.60	bulk	3079.5	3141.3	2315.9	3041.6	3435.0	3048.2	725.9	783.7	0021-0
3447.65	bulk	4235.3	4369.7	3200.4	3925.2	4502.5	4245.5	1122.3	1116.3	0022-0
3449.70	bulk	5515.3	5507.6	3941.7	5018.3	5539.9	5231.3	1156.2	1199.6	0007-0
3496.00	bulk	2303.7	2455.8	1690.0	2282.7	2371.0	2165.7	504.8	564.0	0018-0
3596.00	bulk	5419.8	5451.2	4127.7	5447.6	6054.4	5569.4	1479.2	1550.2	0024-0
3620.00	bulk	2846.8	3123.0	1788.7	2534.5	3357.7	3047.3	232.6	250.7	0025-0
3626.00	bulk	4880.7	5283.5	3645.6	4816.8	5038.3	4708.3	1100.5	1191.2	0026-0
3643.00	bulk	16380.6	16801.0	12862.5	15727.5	18482.4	17743.4	4448.8	4891.7	0027-0
3650.00	bulk	18897.5	18296.2	14238.5	17776.8	23229.5	22252.0	5144.6	5752.9	0028-0
3663.00	bulk	19809.3	19594.4	15192.4	18310.6	22550.3	21386.7	3787.3	4144.7	0029-0

Table 6k: Raw triterpane data (peak height) m/z 177 SIR for Well NOCS 6507/5-1

Depth unit of measure: m

<u>Depth</u>	<u>Lithology</u>	<u>25nor28aß</u>	<u>25nor30aß</u>	<u>Sample</u>
3446.85	bulk	6151.7	953.9	0012-0
3447.60	bulk	3406.7	515.1	0021-0
3447.65	bulk	4760.8	762.9	0022-0
3449.70	bulk	6369.7	1998.5	0007-0
3496.00	bulk	2612.6	435.3	0018-0
3596.00	bulk	5467.6	1009.9	0024-0
3620.00	bulk	6706.8	1136.4	0025-0
3626.00	bulk	5708.9	764.3	0026-0
3643.00	bulk	17074.6	2780.5	0027-0
3650.00	bulk	21844.3	3502.0	0028-0
3663.00	bulk	17495.4	3251.9	0029-0

Table 7a: Tabulation of carbon isotope data for EOM/EOM - fractions for well NOCS 6507/5-1

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Saturated	Aromatic	NSO	Asphaltenes	Kerogen	Sample
3446.85	ccp	bulk	-28.60	-28.60	-28.40	-29.00	-28.20	-	0012-0
3447.60	ccp	bulk	-28.40	-28.70	-28.20	-28.20	-27.90	-	0021-0
3447.65	ccp	bulk	-28.50	-28.70	-28.10	-28.60	-28.40	-	0022-0
3449.70	ccp	bulk	-28.40	-30.40*	-29.50*	-28.70	-27.10	-	0007-0
3496.00	ccp	bulk	-28.40	-28.40	-27.90	-28.50	-27.50	-	0018-0
3596.00	ccp	bulk	-28.60	-28.90	-27.80	-28.50	-28.30	-	0024-0
3620.00	ccp	bulk	-28.80	-32.40*	-31.30*	-29.90	-	-	0025-0
3626.00	ccp	bulk	-28.70	-29.90	-28.50	-28.80	-27.70	-	0026-0
3643.00	ccp	bulk	-28.70	-29.30	-27.70	-28.30	-28.40	-	0027-0
3650.00	ccp	bulk	-28.60	-29.00	-27.60	-28.20	-28.60	-	0028-0
3663.00	ccp	bulk	-28.60	-29.30	-27.40	-28.00	-28.10	-	0029-0

\* These data are doubtful due to too little material



Table 7b: Tabulation of cv values from carbon isotope data for well NOCS 6507/5-1

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>
3446.85	ccp	bulk	-28.60	-28.40	-2.34	0012-0
3447.60	ccp	bulk	-28.70	-28.20	-1.64	0021-0
3447.65	ccp	bulk	-28.70	-28.10	-1.42	0022-0
3449.70	ccp	bulk	-30.40	-29.50	-0.23	0007-0
3496.00	ccp	bulk	-28.40	-27.90	-1.74	0018-0
3596.00	ccp	bulk	-28.90	-27.80	-0.25	0024-0
3620.00	ccp	bulk	-32.40	-31.30	0.84	0025-0
3626.00	ccp	bulk	-29.90	-28.50	0.73	0026-0
3643.00	ccp	bulk	-29.30	-27.70	0.98	0027-0
3650.00	ccp	bulk	-29.00	-27.60	0.45	0028-0
3663.00	ccp	bulk	-29.30	-27.40	1.65	0029-0

Table 8A: Light Hydrocarbons from Whole Oil GC for 6507/5-1

Well	Description	iC4	nC4	iC5	nC5	2,2DMC4	2,3DMC4	2MC5	3MC5	nC6	MCyC5	Benz	Sample
DST#1	3607-3653m	-	-	-	-	0.08	-	-	-	4.14	2.56	2.26	Q72/0028
DST#2	3430-3442m	-	-	-	-	0.11	-	-	-	5.47	2.79	2.23	Q72/0029
DST#2A	3430-3514m	-	-	-	-	0.12	-	-	-	5.91	2.93	2.35	Q72/0030
DST#3	2993-3001m	-	-	-	-	0.23	-	-	-	4.90	2.14	1.52	Q72/0031
MPSR 36	3577.5m	0.10	0.36	0.53	0.82	0.04	0.40	1.18	0.75	2.01	1.18	0.39	Q72/0025
MPSR 711	3406m	0.13	0.36	0.47	0.66	0.01	0.23	0.77	0.51	1.80	1.28	0.31	Q72/0023
MPSR 85	3503m	-	-	0.04	0.07	-	0.05	0.12	0.08	0.15	0.19	0.02	Q72/0024
MRSC 86	3642m	3.53	3.39	1.99	2.75	0.16	0.49	1.51	0.97	3.19	3.19	0.40	Q72/0027
MRSC BB67	3612m	2.13	2.85	2.30	3.14	0.22	0.77	2.24	1.50	3.35	2.53	0.65	Q72/0026

Table 8B: Light Hydrocarbons from Whole Oil GC for 6507/5-1

Well	Description	CyC6	2MC6	3MC6	1,3ci- DMCyC5	1,3tr- DMCyC5	1,2tr- DMCyC5	nC7	MCyC6	Tol	nC8	p/m- Xylene	Sample
DST#1	3607-3653m	4.32	1.99	1.45	0.59	0.55	1.12	4.27	7.49	7.03	4.03	5.68	Q72/0028
DST#2	3430-3442m	4.46	2.60	1.89	0.66	0.61	1.25	5.48	7.72	6.56	4.48	4.64	Q72/0029
DST#2A	3430-3514m	4.65	2.62	1.90	0.66	0.61	1.25	5.40	7.49	6.31	4.15	4.23	Q72/0030
DST#3	2993-3001m	4.44	2.71	1.98	0.46	0.42	0.89	5.12	7.41	4.74	4.75	4.28	Q72/0031
MPSR 36	3577.5m	2.66	1.50	1.46	0.52	0.40	13.22	4.12	7.60	6.34	5.90	3.48	Q72/0025
MPSR 711	3406m	2.72	2.04	1.45	-	0.54	12.10	4.11	8.22	6.21	5.73	3.67	Q72/0023
MPSR 85	3503m	0.54	0.38	0.49	0.19	0.16	0.52	1.00	3.54	3.42	7.02	6.29	Q72/0024
MRSC 86	3642m	5.06	2.60	1.70	0.81	0.76	1.80	3.08	10.17	2.88	3.25	1.56	Q72/0027
MRSC BB67	3612m	4.86	1.80	1.74	0.79	0.73	1.67	3.56	9.91	4.02	3.89	2.78	Q72/0026

Table 8C: Thompson's indices for 6507/5-1

Well	Description	A	B	X	W	C	I	F	H	U	R	S	Sample
DST#1	3607-3653m	0.55	1.65	1.41	5.23	0.71	1.52	0.57	19.61	1.69	2.15	51.75	Q72/0028
DST#2	3430-3442m	0.41	1.20	1.04	5.00	0.90	1.78	0.71	22.21	1.60	2.11	49.73	Q72/0029
DST#2A	3430-3514m	0.40	1.17	1.02	5.05	0.93	1.79	0.72	21.97	1.59	2.06	49.25	Q72/0030
DST#3	2993-3001m	0.31	0.93	0.90	3.42	0.85	2.65	0.69	21.85	2.07	1.89	21.30	Q72/0031
MPSR 36	3577.5m	0.19	1.54	0.59	1.47	0.60	0.21	0.54	12.92	2.25	2.75	50.25	Q72/0025
MPSR 711	3406m	0.17	1.51	0.64	1.14	0.54	0.28	0.50	13.09	2.13	2.01	180.00	Q72/0023
MPSR 85	3503m	0.13	3.42	0.90	0.37	0.28	1.00	0.28	14.56	2.84	2.63	-	Q72/0024
MRSC 86	3642m	0.13	0.94	0.48	0.79	0.41	1.28	0.30	11.64	1.59	1.18	19.94	Q72/0027
MRSC BB67	3612m	0.19	1.13	0.71	1.34	0.47	1.11	0.36	13.78	1.92	1.98	15.23	Q72/0026

THOMPSON'S INDICES

$$A = \frac{\text{Benzene}}{nC6}$$

$$B = \frac{\text{Toluene}}{nC7}$$

$$X = \frac{\text{p/m-xylene}}{nC8}$$

$$W = \frac{\text{Benzene} * 10}{\text{CyC6}}$$

$$C = \frac{nC6 + nC7}{\text{CyC6} + \text{MCyC6}}$$

$$I = \frac{2\text{MC6} + 3\text{MC6}}{1,3\text{ciDMCyC5} + 1,3\text{trDMCyC5} + 1,2\text{trDMCyC5}}$$

$$F = \frac{nC7}{\text{MCyC6}}$$

$$H = \frac{nC7 * 100}{\text{CyC6} + 2\text{MC6} + 2,3\text{DMC4} + 3\text{MC6} + 1,3\text{ciDMCyC5} + 1,3\text{trDMCyC5} + 1,2\text{trDMCyC5} + nC7 + \text{MCyC6}}$$

$$U = \frac{\text{CyC6}}{\text{MCyC5}}$$

$$R = \frac{nC7}{2\text{MC6}}$$

$$S = \frac{nC6}{2,2\text{DMC4}}$$

Table 9a: MPLC Bulk Composition: Weight of Oil and Fraction for 6507/5-1

Well	Description	Whole oil (mg)	Light (mg)	Topped (mg)	Sat (mg)	Aro (mg)	Asph (mg)	NSO (mg)	HC (mg)	Non-HC (mg)	Sample
	2997.5m	95.5	13.1	82.4	60.8	16.8	0.7	4.1	77.6	4.8	Q72/0001
DST#1	3607-3653m	86.2	19.3	66.9	38.7	15.7	0.5	11.9	54.5	12.4	Q72/0028
DST#2	3430-3442m	64.9	43.5	21.4	14.0	6.9	0.4	0.2	20.8	0.6	Q72/0029
DST#2A	3430-3514m	53.4	36.8	16.6	12.8	2.7	0.4	0.7	15.5	1.1	Q72/0030
DST#3	2993-3001m	98.0	24.2	73.8	55.1	13.6	0.4	4.8	68.6	5.2	Q72/0031
MPSR 36	3577.5m			72.8	15.2	0.9	0.9	55.7	16.2	56.6	Q72/0025
MPSR 711	3406m			77.5	71.1	3.3	0.9	2.2	74.4	3.1	Q72/0023
MPSR 85	3503m			47.5	42.4	2.2	0.6	2.2	44.7	2.8	Q72/0024
MRSC 86	3642m			93.8	81.1	5.3	2.3	5.1	86.4	7.4	Q72/0027
MRSC BB67	3612m			93.8	43.3	4.8	2.3	43.4	48.1	45.7	Q72/0026

Well	Well	Description	Sat	Aro	Asph	NSO	Total	HC	Non-HC	Recov. MPLC	Recov. Asph	Sample
		2997.5m	73.79	20.39	0.85	4.98	100.00	94.17	5.83	-	-	Q72/0001
DST#1	DST#1	3607-3653m	57.90	23.54	0.75	17.81	100.00	81.44	18.56	-	1.00	Q72/0028
DST#2	DST#2	3430-3442m	65.19	32.02	1.64	1.14	100.00	97.22	2.78	-	0.88	Q72/0029
DST#2A	DST#2A	3430-3514m	77.09	16.40	2.41	4.10	100.00	93.49	6.51	-	1.00	Q72/0030
DST#3	DST#3	2993-3001m	74.59	18.41	0.54	6.46	100.00	93.00	7.00	-	1.00	Q72/0031
MPSR 36	MPSR 36	3577.5m	20.91	1.28	1.24	76.57	100.00	22.19	77.81	-	1.00	Q72/0025
MPSR 711	MPSR 711	3406m	91.70	4.28	1.16	2.86	100.00	95.98	4.02	-	1.00	Q72/0023
MPSR 85	MPSR 85	3503m	89.35	4.69	1.26	4.69	100.00	94.04	5.96	-	1.00	Q72/0024
MRSC 86	MRSC 86	3642m	86.49	5.66	2.45	5.40	100.00	92.15	7.85	-	1.00	Q72/0027
MRSC BB67	MRSC BB67	3612m	46.16	5.09	2.45	46.30	100.00	51.24	48.76	-	1.00	Q72/0026

Table 10: Saturated Hydrocarbon Ratios (peak area) for 6507/5-1

Well	Description	Pristane	Pristane	Pristane/nC17	Phytane	CPI1	nC17	Sample
		nC17	Phytane	Phytane/nC18	nC18		nC17+nC27	
	2997.5m	0.69	1.50	1.31	0.53	1.11	0.91	Q72/0001
DST#1	3607-3653m	0.84	1.45	1.35	0.63	1.07	0.75	Q72/0028
DST#2	3430-3442m	0.88	1.68	1.37	0.65	1.09	0.91	Q72/0029
DST#2A	3430-3514m	0.89	1.64	1.37	0.65	1.08	0.91	Q72/0030
DST#3	2993-3001m	0.77	1.58	1.48	0.52	1.05	0.82	Q72/0031
MPSR 36	3577.5m	0.73	1.86	1.30	0.56	1.06	0.93	Q72/0025
MPSR 711	3406m	0.73	2.01	1.54	0.47	1.08	0.92	Q72/0023
MPSR 85	3503m	0.76	1.94	1.40	0.55	1.07	0.92	Q72/0024
MRSC 86	3642m	0.57	2.14	1.45	0.39	1.06	0.93	Q72/0027
MRSC BB67	3612m	0.60	1.40	1.31	0.46	1.09	0.85	Q72/0026



Table 11a: Aromatic Hydrocarbon Ratios (peak area) for 6507/5-1

Well	Description	MNR	DMNR	BPhR	2/1MP	MPI1	MPI2	Rc	DBT/P	4/1MDBT	(3+2) /1MDBT	Sample
	2997.5m	1.55	3.50	0.61	3.42	0.78	1.10	0.87	-	-	-	Q72/0001
DST#1	3607-3653m	1.52	2.10	0.22	1.67	0.88	1.07	0.93	0.48	6.12	2.36	Q72/0028
DST#2	3430-3442m	1.57	2.95	0.27	2.21	1.13	1.47	1.08	0.42	6.66	2.04	Q72/0029
DST#2A	3430-3514m	1.37	2.79	0.17	2.37	0.90	1.19	0.94	0.36	7.02	2.16	Q72/0030
DST#3	2993-3001m	1.44	2.88	0.51	2.12	1.02	1.37	1.01	-	-	-	Q72/0031
MPSR 36	3577.5m	1.66	2.31	0.30	1.98	0.78	0.91	0.87	0.49	6.63	2.47	Q72/0025
MPSR 711	3406m	2.36	2.35	0.26	2.60	1.01	1.26	1.00	0.51	7.54	2.42	Q72/0023
MPSR 85	3503m	1.87	2.13	0.14	1.70	1.03	1.34	1.02	0.88	6.59	2.48	Q72/0024
MRSC 86	3642m	-	1.76	0.13	1.54	0.84	0.95	0.90	0.47	5.32	2.17	Q72/0027
MRSC BB67	3612m	1.31	2.95	0.17	1.55	0.84	1.05	0.90	-	6.88	2.53	Q72/0026

Table 11b: Aromatic Hydrocarbon Ratios (peak area) for 6507/5-1

<u>Well</u>	<u>Description</u>	<u>F1</u>	<u>F2</u>	<u>Sample</u>
	2997.5m	0.58	0.41	Q72/0001
DST#1	3607-3653m	0.50	0.30	Q72/0028
DST#2	3430-3442m	0.55	0.36	Q72/0029
DST#2A	3430-3514m	0.55	0.36	Q72/0030
DST#3	2993-3001m	0.51	0.34	Q72/0031
MPSR 36	3577.5m	0.55	0.32	Q72/0025
MPSR 711	3406m	0.56	0.35	Q72/0023
MPSR 85	3503m	0.51	0.34	Q72/0024
MRSC 86	3642m	0.50	0.28	Q72/0027
MRSC BB67	3612m	0.52	0.32	Q72/0026

Table 12a: Variation in Triterpane Distribution (peak height) SIR for 6507/5-1

Well	Descript.	Ratio1	Ratio2	Ratio3	Ratio4	Ratio5	Ratio6	Ratio7	Ratio8	Ratio9	Rat.10	Rat.11	Rat.12	Rat.13	Rat.14	Sample
6507/5-1	2997.5	0.65	0.39	0.13	0.41	0.29	0.10	0.10	0.23	0.09	0.19	0.92	0.30	0.10	60.01	Q72/0001
6507/5-1	DST#1	0.74	0.43	0.11	0.47	0.32	0.08	0.16	0.33	0.13	0.08	0.93	0.33	0.08	62.53	Q72/0028
6507/5-1	DST#2	0.69	0.41	0.13	0.50	0.33	0.08	0.15	0.31	0.13	0.24	0.92	0.34	0.09	62.83	Q72/0029
6507/5-1	DST#2A	0.73	0.42	0.14	0.51	0.34	0.08	0.16	0.32	0.14	0.24	0.92	0.34	0.08	63.46	Q72/0030
6507/5-1	DST#3	0.62	0.38	0.13	0.46	0.31	0.14	0.10	0.22	0.09	0.14	0.90	0.32	0.12	61.07	Q72/0031
MPSR 36		1.16	0.54	0.16	0.68	0.40	0.06	0.11	0.17	0.10	0.13	0.92	0.40	0.08	60.96	Q72/0025
MPSR 85		1.22	0.55	0.16	0.68	0.41	0.06	0.11	0.17	0.10	0.12	0.92	0.41	0.09	60.73	Q72/0024
MPSR 711		0.99	0.50	0.15	0.52	0.34	0.06	0.12	0.23	0.11	0.23	0.90	0.34	0.11	63.31	Q72/0023
MRSC 86		1.04	0.51	0.13	0.47	0.32	0.07	0.15	0.31	0.13	0.07	0.92	0.32	0.09	59.83	Q72/0027
MRSC BB67		0.90	0.47	0.13	0.46	0.31	0.08	0.15	0.32	0.13	0.07	0.92	0.32	0.09	59.91	Q72/0026

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 12b: Variation in Sterane Distribution (peak height) SIR for 6507/5-1

Well	Descript.	Ratio1	Ratio2	Ratio3	Ratio4	Ratio5	Ratio6	Ratio7	Ratio8	Ratio9	Ratio10	Sample
6507/5-1	2997.5	0.84	50.64	79.34	1.60	0.79	0.61	0.44	0.66	1.03	3.89	Q72/0001
6507/5-1	DST#1	0.78	49.10	76.80	0.97	0.77	0.30	0.21	0.62	0.96	3.25	Q72/0028
6507/5-1	DST#2	0.85	49.68	78.18	1.25	0.78	0.54	0.40	0.64	0.99	3.56	Q72/0029
6507/5-1	DST#2A	0.82	51.91	76.87	1.12	0.76	0.56	0.40	0.62	1.08	3.45	Q72/0030
6507/5-1	DST#3	0.79	51.77	73.26	1.07	0.73	0.38	0.25	0.58	1.07	2.84	Q72/0031
MPSR 36		0.78	47.11	76.88	1.17	0.78	0.47	0.36	0.62	0.89	3.14	Q72/0025
MPSR 85		0.77	47.00	76.85	1.12	0.78	0.44	0.33	0.62	0.89	3.13	Q72/0024
MPSR 711		0.80	48.33	74.47	1.34	0.75	0.60	0.46	0.59	0.94	2.82	Q72/0023
MRSC 86		0.75	48.61	76.59	0.95	0.77	0.31	0.22	0.62	0.95	3.18	Q72/0027
MRSC BB67		0.75	48.54	77.47	1.00	0.78	0.31	0.22	0.63	0.94	3.34	Q72/0026

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 12c: Raw triterpane data (peak height) m/z 191 SIR for 6507/5-1

Well	Descript.	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	
6507/5-1	2997.5	1637.4 3592.7 1805.2	1620.5 1950.8 1883.4	551.8 907.0 1254.8	1045.3 518.8 1154.1	423.6 0.0 685.5	2289.5 8743.8 669.1	1480.7 750.1 410.0	839.5 0.0 530.7	1522.4 2875.9 307.1	Q72/0001
6507/5-1	DST#1	10789.8 54512.6 32269.3	9153.1 21183.7 32031.1	4107.8 9091.5 19195.5	9356.7 5388.0 21196.7	2805.2 716.9 12977.4	20657.9 116062.7 12993.4	15281.0 8205.5 8157.9	18050.7 3872.3 11570.9	5941.1 46685.1 7632.3	Q72/0028
6507/5-1	DST#2	9845.8 18074.6 9321.4	8578.6 7080.1 8602.1	3512.3 3008.3 5089.4	5418.7 1762.6 4931.1	1853.4 254.6 2916.1	8090.1 36105.3 2677.8	5616.3 3136.2 1625.6	5539.8 924.6 1850.4	2030.3 13488.4 1305.5	Q72/0029
6507/5-1	DST#2A	5990.6 10137.2 4498.1	4767.0 3971.3 4016.1	2061.0 1551.9 2312.6	3270.5 912.4 2175.3	1021.1 1307.9 1239.0	4750.3 19775.5 1100.1	3461.0 1605.4 598.4	3200.4 486.7 713.7	1147.7 6864.0 422.6	Q72/0030
6507/5-1	DST#3	7544.8 24130.9 13606.3	7306.9 12644.4 13856.3	3298.3 7480.7 8833.8	5524.9 3688.0 9566.4	2401.3 845.3 5760.4	14661.0 53019.7 6111.5	9070.9 5664.6 3676.7	5306.6 1608.0 4867.9	12315.6 19462.6 2988.5	Q72/0031
MPSR	36	7620.3 28911.7 12505.7	5640.0 6964.5 11356.5	2328.7 2423.6 7271.7	4667.8 2333.2 7107.8	1329.6 0.0 4609.2	7494.3 42483.3 4442.5	8698.8 3542.2 2737.2	4874.8 1703.7 3484.1	0.0 18965.4 2026.3	Q72/0025
MPSR	85	6881.5 29515.3 12835.2	5222.6 6937.1 11709.9	2181.8 2460.2 7570.5	4516.7 2508.3 7389.1	1371.8 0.0 4865.3	7319.8 43264.1 4735.0	8950.0 3683.2 2962.6	4949.6 1792.0 3962.9	0.0 19150.8 2222.7	Q72/0024

Table 12c: Raw triterpane data (peak height) m/z 191 SIR for 6507/5-1

Well	Descript.	23/3	24/3	25/3	24/4	26/3	27Ts	27Tm	28a $\beta$	25nor30a $\beta$	Sample
		29a $\beta$	29Ts	30d	29 $\beta$ a	300	30a $\beta$	30 $\beta$ a	30G	31a $\beta$ S	
		31a $\beta$ R	32a $\beta$ S	32a $\beta$ R	33a $\beta$ S	33a $\beta$ R	34a $\beta$ S	34a $\beta$ R	35a $\beta$ S	35a $\beta$ R	
PSR 711		3520.7	2372.4	958.8	1648.5	659.6	1953.6	1939.7	1209.2	0.0	Q72/0023
		5304.1	1571.4	637.1	478.7	0.0	10215.3	1156.9	539.7	3416.0	
		2251.7	2049.6	1188.0	1292.0	814.5	782.0	520.5	595.3	385.1	
RSC 86		4228.3	3158.8	1341.2	3335.3	844.6	7299.1	7559.8	6977.6	0.0	Q72/0027
		22343.4	7245.9	3253.6	2236.6	0.0	47068.1	4278.4	1720.4	20034.6	
		13192.2	12674.9	8508.3	8367.7	5658.6	5771.5	3621.1	5046.1	3274.6	
RSC BB67		4537.0	3725.6	1715.6	3648.8	1126.3	9635.2	8708.7	7661.6	0.0	Q72/0026
		23844.7	9355.2	4237.4	2392.3	0.0	51996.6	4595.8	1613.4	22187.0	
		14742.0	14634.7	9794.3	10252.4	6796.3	6866.1	4371.1	6031.4	3800.8	



Table 12d: Raw sterane data (peak height) m/z 217 SIR for 6507/5-1

Well	Descript.	21a	22a	27dBS	27dBR	27daR	27daS	28dBS	28dBR	28daR*	Sample
		29dBS*	28daS*	27aaR	29dBR	29daR	28aaS	29daS*	28BS		
		28aaR	29aaS	29BR	29BS	29aaR					
6507/5-1	2997.5	2896.9	863.8	2838.9	1864.8	691.1	802.9	1302.6	798.6	511.5	Q72/0001
		1626.3	1444.6	558.9	1295.0	387.3	334.9	575.6	1007.7		
		209.9	410.6	837.2	720.1	400.2					
6507/5-1	DST#1	12607.7	6393.4	25825.2	16164.9	6558.5	7106.6	12980.9	7855.2	7128.7	Q72/0028
		26520.2	12366.4	7276.9	13249.0	5981.6	5290.2	11560.6	12459.5		
		4229.9	8157.9	15718.1	11784.2	8458.1					
6507/5-1	DST#2	11050.7	4986.0	15013.5	8360.7	2803.1	3059.2	5839.8	3394.2	2695.9	Q72/0029
		11854.1	5202.9	2590.9	5701.3	2038.1	1572.7	3855.7	4440.3		
		1030.8	2477.4	5088.4	3846.4	2509.0					
6507/5-1	DST#2A	6466.5	2844.5	7190.6	4140.8	1559.4	1726.9	3223.2	1936.1	1559.8	Q72/0030
		6303.3	3026.7	1548.4	3138.6	1244.0	1087.2	2361.8	2461.2		
		770.6	1414.0	2551.8	1973.8	1310.0					
6507/5-1	DST#3	8162.9	3519.9	17088.9	10638.0	4503.6	4870.7	9026.8	5934.7	3896.8	Q72/0031
		15608.9	7070.2	4596.2	9249.1	4246.4	2776.8	5689.9	6664.2		
		2322.5	4103.6	6150.7	4705.2	3822.3					
MPSR	36	7184.4	3023.5	8092.0	4361.2	2060.0	1787.2	3713.7	1703.1	2031.0	Q72/0025
		7001.9	3402.1	2254.2	3319.9	1273.4	1157.8	2290.4	3125.8		
		1104.4	2030.7	3671.9	3493.9	2280.1					
MPSR	85	6677.1	2994.1	7882.6	4357.0	2146.9	1653.5	3636.7	1778.3	2178.6	Q72/0024
		7124.0	3440.7	2316.9	3386.3	1334.6	1248.6	2486.1	3401.8		
		1124.9	2165.3	3981.1	3668.2	2442.1					

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

Table 12.d: Raw sterane data (peak height) m/z 217 SIR for 6507/5-1

ell	Descript.	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					
PSR	711	3595.5	1423.7	3474.5	1904.2	863.3	688.4	1439.9	697.4	758.6	Q72/0023
		2725.3	1251.0	894.4	1255.1	473.1	423.2	710.5	1001.7		
		512.7	670.6	1066.1	957.2	716.8					
RSC	86	3307.8	1521.9	5586.9	3204.8	1548.9	1336.4	2856.5	1379.8	1659.4	Q72/0027
		6131.0	2905.8	1880.3	2845.9	1117.5	1155.1	2165.8	2868.2		
		1156.3	1992.1	3405.5	3299.6	2106.1					
RSC	BB67	3977.7	1872.4	7182.1	4528.0	2713.8	2010.3	4050.0	1940.6	2204.8	Q72/0026
		8093.9	3774.4	2347.5	3979.5	1588.6	1414.0	2838.7	3963.1		
		1152.5	2374.8	4339.1	4071.5	2517.8					

\* 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 6507/5-1

Well	Descript.	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
6507/5-1	2997.5	1637.7	1878.8	1057.3	1592.9	1378.8	1356.7	417.0	458.3	Q72/0001
6507/5-1	DST#1	23350.5	14323.5	14936.2	14766.9	19358.6	17181.1	5077.5	4847.1	Q72/0028
6507/5-1	DST#2	10194.4	6477.7	5741.7	5895.8	6725.7	6130.5	1803.7	1571.1	Q72/0029
6507/5-1	DST#2A	5438.8	3511.1	2977.5	2967.2	3227.4	2893.3	755.3	647.1	Q72/0030
6507/5-1	DST#3	11238.6	7104.7	7066.9	7500.1	7643.0	7044.5	2576.4	2479.7	Q72/0031
MPSR 36		6310.5	4371.3	3747.8	4341.5	5606.6	6022.8	1111.2	1061.0	Q72/0025
MPSR 85		6635.3	4662.3	3941.0	4638.1	5900.7	6341.7	1157.0	1098.2	Q72/0024
MPSR 711		2318.4	1654.3	1325.7	1466.0	1680.1	1730.6	347.4	346.9	Q72/0023
MRSC 86		5190.2	3817.8	3319.3	3836.0	5207.7	5542.3	1265.6	1072.2	Q72/0027
MRSC BB67		7030.2	4965.1	4376.5	5117.4	6471.9	7074.4	1705.6	1637.7	Q72/0026

Table 12f: Raw triterpane data (peak height) m/z 177 SIR for 6507/5-1

Well	Descript.	25nor28a $\beta$	25nor30a $\beta$	Sample
6507/5-1	2997.5	1787.7	1297.8	Q72/0001
6507/5-1	DST#1	11528.4	2432.0	Q72/0028
6507/5-1	DST#2	5100.1	880.9	Q72/0029
6507/5-1	DST#2A	3055.5	488.7	Q72/0030
6507/5-1	DST#3	7685.3	6772.8	Q72/0031
WPSR 36		4312.4	0.0	Q72/0025
WPSR 85		3996.4	0.0	Q72/0024
WPSR 711		952.3	0.0	Q72/0023
WRSC 86		4855.0	0.0	Q72/0027
WRSC BB67		5573.7	0.0	Q72/0026

Table 13a: Variation in Triaromatic Sterane Distribution (peak height) for 6507/5-1

Well	Descript.	Ratio1	Ratio2	Ratio3	Ratio4	Ratio5	Sample
6507/5-1	2997.5	0.38	0.40	0.17	0.16	0.21	Q72/0001
6507/5-1	DST#1	0.52	0.55	0.33	0.26	0.43	Q72/0028
6507/5-1	DST#2	0.75	0.69	0.51	0.50	0.64	Q72/0029
6507/5-1	DST#2A	0.81	0.78	0.59	0.59	0.70	Q72/0030
6507/5-1	DST#3	0.53	0.53	0.27	0.26	0.35	Q72/0031
MPSR 36		0.69	0.74	0.48	0.41	0.54	Q72/0025
MPSR 85		0.72	0.74	0.48	0.43	0.57	Q72/0024
MPSR 711		0.73	0.75	0.48	0.44	0.55	Q72/0023
MRSC 86		0.53	0.63	0.36	0.26	0.42	Q72/0027
MRSC BB67		0.60	0.63	0.37	0.31	0.46	Q72/0026

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 6507/5-1

<u>Well</u>	<u>Descript.</u>	<u>Ratio1</u>	<u>Ratio2</u>	<u>Ratio3</u>	<u>Ratio4</u>	<u>Sample</u>
6507/5-1	2997.5	0.33	0.20	0.20	0.16	Q72/0001
6507/5-1	DST#1	0.48	0.33	0.33	0.26	Q72/0028
6507/5-1	DST#2	0.60	0.44	0.45	0.36	Q72/0029
6507/5-1	DST#2A	0.63	0.49	0.48	0.41	Q72/0030
6507/5-1	DST#3	0.47	0.37	0.31	0.27	Q72/0031
MPSR 36		0.55	0.39	0.40	0.33	Q72/0025
MPSR 85		0.56	0.42	0.41	0.33	Q72/0024
MPSR 711		0.53	0.38	0.39	0.31	Q72/0023
MRSC 86		0.40	0.28	0.26	0.21	Q72/0027
MRSC BB67		0.46	0.31	0.32	0.26	Q72/0026

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 6507/5-1

Well	Descript.	Ratio1	Ratio2	Sample
6507/5-1	2997.5	0.35	0.92	Q72/0001
6507/5-1	DST#1	0.37	0.94	Q72/0028
6507/5-1	DST#2	0.48	0.91	Q72/0029
6507/5-1	DST#2A	0.54	0.88	Q72/0030
6507/5-1	DST#3	0.45	0.84	Q72/0031
MPSR 36		0.44	0.93	Q72/0025
MPSR 85		0.52	0.89	Q72/0024
MPSR 711		0.62	0.84	Q72/0023
MRSC 86		0.32	0.96	Q72/0027
MRSC BB67		0.34	0.95	Q72/0026

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

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

Table 13d: Raw triaromatic sterane data (peak height) m/z 231 for 6507/5-1

ell	Descript.	a1	b1	c1	d1	e1	f1	g1	Sample
507/5-1	2997.5	2284.9	2499.6	2394.9	8414.9	4072.7	3947.4	3752.1	Q72/0001
507/5-1	DST#1	50473.8	57130.3	14605.0	67498.6	55581.5	39200.0	45824.6	Q72/0028
507/5-1	DST#2	18827.3	14554.6	2754.7	10585.1	6596.5	5623.0	6413.9	Q72/0029
507/5-1	DST#2A	30629.1	24041.4	3678.6	13382.2	8344.0	6396.2	6972.1	Q72/0030
507/5-1	DST#3	17983.3	17783.8	10536.8	32845.7	18558.2	16513.7	15842.4	Q72/0031
IPSR 36		102439.3	126338.0	19399.2	85932.9	58043.1	43700.8	45507.6	Q72/0025
IPSR 85		88906.8	97411.4	15629.5	66886.4	47442.7	36568.1	34181.9	Q72/0024
IPSR 711		69657.4	77366.8	14962.3	55937.1	36607.5	26379.1	26275.0	Q72/0023
IRSC 86		29030.6	44057.2	8019.4	40533.2	31912.7	24457.5	25924.2	Q72/0027
IRSC BB67		65309.8	75358.2	14701.8	77829.5	58086.6	40597.4	44102.7	Q72/0026



Table 13e: Raw monoaromatic sterane data (peak height) m/z 253 for 6507/5-1

Well	Descript.	A1	B1	C1	D1	E1	F1	G1	H1	I1	Sample
6507/5-1	2997.5	1569.9	833.2	1990.3	1392.7	3237.2	933.2	3143.3	1344.1	324.9	Q72/0001
6507/5-1	DST#1	30096.3	16212.7	23967.2	18800.4	32348.0	7372.6	28796.2	18174.5	3178.6	Q72/0028
6507/5-1	DST#2	10871.8	5915.7	5947.8	4259.1	7384.7	1562.9	6067.9	3449.8	621.0	Q72/0029
6507/5-1	DST#2A	20339.0	11718.7	9035.8	6091.1	12141.4	2031.3	9955.2	5299.0	964.4	Q72/0030
6507/5-1	DST#3	17331.2	11255.9	12292.6	9389.2	19484.0	5163.6	18483.2	9983.9	2996.2	Q72/0031
MPSR 36		63022.7	34055.1	40649.7	26695.3	52470.8	11040.4	42996.8	24027.3	3556.9	Q72/0025
MPSR 85		70036.5	39330.0	44193.2	30194.7	55113.6	13098.7	46014.4	27505.0	4071.7	Q72/0024
MPSR 711		76828.3	40685.8	53153.8	34545.3	67646.0	13871.4	51821.1	30448.6	5032.8	Q72/0023
MRSC 86		10160.0	5804.9	11431.0	8018.4	15258.6	3424.2	13502.6	8585.8	974.7	Q72/0027
MRSC BB67		28126.3	14831.4	20123.5	14226.7	32709.6	7073.9	27418.1	16159.8	2266.1	Q72/0026

Table 14A: Tabulation of carbon isotope data on oils for 6507/5-1

<u>Well</u>	<u>Descript.</u>	<u>Whole oil</u>	<u>Topped oil</u>	<u>Saturated</u>	<u>Aromatic</u>	<u>NSO</u>	<u>Asphaltenes</u>	<u>Sample</u>
	2997.5m	-28.75	-	-29.20	-28.77	-29.38	-28.24	Q72/0001
DST#1	3607-3653m	-28.26	-	-28.82	-27.64	-27.58	-27.25	Q72/0028
DST#2	3430-3442m	-28.32	-	-29.05	-27.59	-27.09	-27.82	Q72/0029
DST#2A	3430-3514m	-28.36	-	-29.18	-27.20	-26.69	-26.49	Q72/0030
DST#3	2993-3001m	-28.86	-	-29.12	-28.47	-28.86	-27.69	Q72/0031

Table 14B: Tabulation of cv values from carbon isotope data for 6507/5-1

<u>Well</u>	<u>Descript.</u>	<u>Saturated</u>	<u>Aromatic</u>	<u>cv value</u>	<u>Sample</u>
	2997.5m	-29.20	-28.77	-1.64	Q72/0001
DST#1	3607-3653m	-28.82	-27.64	-0.10	Q72/0028
DST#2	3430-3442m	-29.05	-27.59	0.60	Q72/0029
DST#2A	3430-3514m	-29.18	-27.20	1.79	Q72/0030
DST#3	2993-3001m	-29.12	-28.47	-1.18	Q72/0031