

Table 4 : Rock-Eval table for well NOCS 25/9-1

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
1770.00	cut	Sh/Clst: m gy to brn gy	0.30	0.79	0.91	0.87	0.57	139	160	1.1	0.28	346	0024-1L
1800.00	com	bulk	0.14	0.22	0.64	0.34	0.22	100	291	0.4	0.39	347	0099-0B
1830.00	cut	Sh/Clst: lt gy to red brn to gn gy	0.19	0.57	0.75	0.76	0.48	119	156	0.8	0.25	383	0026-1L
1860.00	com	bulk	0.14	0.27	0.60	0.45	0.16	169	375	0.4	0.34	357	0100-0B
1890.00	com	bulk	0.35	2.23	0.71	3.14	0.31	719	229	2.6	0.14	413	0101-0B
1905.00	cut	Sh/Clst: lt gy to m gy to lt ol gy	0.38	2.72	0.94	2.89	1.24	219	76	3.1	0.12	415	0029-1L
1920.00	cut	Sh/Clst: lt gy to m gy to lt ol gy	0.43	3.37	0.89	3.79	1.33	253	67	3.8	0.11	419	0030-1L
1935.00	cut	Sh/Clst: lt gy to m gy to lt ol gy	0.42	2.78	0.86	3.23	1.19	234	72	3.2	0.13	415	0031-1L
1965.00	cut	Sh/Clst: m gy to lt ol gy to lt gy	0.59	1.98	1.18	1.68	1.01	196	117	2.6	0.23	351	0033-1L
1980.00	cut	Sh/Clst: lt gy to lt ol gy to m gy	0.25	0.48	0.92	0.52	0.35	137	263	0.7	0.34	347	0034-1L
1989.00	cut	Sh/Clst: lt gy to lt gn gy to m gy	0.13	0.40	0.81	0.49	0.43	93	188	0.5	0.25	353	0035-1L
1998.00	cut	Sh/Clst: lt gy to lt gn gy to m gy	0.13	0.42	0.83	0.51	0.36	117	231	0.6	0.24	352	0036-1L
2007.00	cut	Sh/Clst: pl brn to lt gn gy to lt ol gy	0.15	0.35	0.84	0.42	0.24	146	350	0.5	0.30	350	0037-1L
2016.00	cut	Sh/Clst: pl brn to lt gn gy to lt brn gy	0.09	0.19	0.81	0.23	0.18	106	450	0.3	0.32	349	0038-1L
2025.00	cut	Sh/Clst: pl brn to lt gn gy to lt brn gy	0.11	0.27	0.85	0.32	0.09	300	944	0.4	0.29	352	0039-1L

Table 4 : Rock-Eval table for well NOCS 25/9-1

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
2034.00	cut	Sh/Clst: m gy to lt gy to brn gy	0.11	0.37	0.95	0.39	0.37	100	257	0.5	0.23	356	0040-1L
2043.00	cut	Sh/Clst: m gy to lt gy to brn gy	0.07	0.23	0.67	0.34	0.38	61	176	0.3	0.23	352	0041-1L
2052.00	cut	Ca : gy w to w	0.01	0.01	0.37	0.03	0.08	13	463	-	0.50	361	0042-2L
2061.00	cut	Ca : gy w to w	0.01	0.02	0.43	0.05	-	-	-	-	0.33	-	0043-1L
2070.00	cut	Sh/Clst: m gy to ol gy to lt gy	0.13	0.36	0.68	0.53	0.54	67	126	0.5	0.27	352	0044-1L
2079.00	cut	Ca : w to gy w	0.01	0.03	0.53	0.06	0.12	25	442	-	0.25	361	0045-2L
2088.00	cut	Ca : w to gy w	0.02	0.03	0.59	0.05	0.11	27	536	0.1	0.40	316	0046-2L
2097.00	cut	Ca : w to gy w	0.01	0.01	0.42	0.02	0.09	11	467	-	0.50	335	0047-2L
2106.00	cut	Ca : w to gy w	0.02	0.05	0.61	0.08	0.09	56	678	0.1	0.29	350	0048-2L
2115.00	cut	Ca : w to gy w	0.04	0.06	0.59	0.10	0.15	40	393	0.1	0.40	351	0049-2L
2124.00	cut	Sh/Clst: lt gy to brn gy	0.07	0.12	0.65	0.18	0.30	40	217	0.2	0.37	355	0050-2L
2133.00	cut	Sh/Clst: lt gy to brn gy	0.09	0.21	0.65	0.32	0.35	60	186	0.3	0.30	355	0051-1L
2142.00	cut	Sh/Clst: m gy to drk gy to brn gy	0.10	0.29	0.64	0.45	0.59	49	108	0.4	0.26	374	0052-2L
2151.00	cut	Sh/Clst: m gy to drk gy to brn gy	0.31	0.72	1.12	0.64	0.68	106	165	1.0	0.30	353	0053-2L
2160.00	cut	Sh/Clst: lt gy to m gy	0.25	0.68	1.03	0.66	0.74	92	139	0.9	0.27	354	0054-1L
2169.00	cut	Sh/Clst: drk gy to m gy	1.96	39.16	1.02	38.39	6.15	637	17	41.1	0.05	416	0055-2L

Table 4 : Rock-Eval table for well NOCS 25/9-1

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
2178.00	cut	Sh/Clst: drk gy to drk brn gy	1.88	33.53	0.86	38.99	5.84	574	15	35.4	0.05	416	0056-1L
2178.50	swc	Sh/Clst: m gy	0.47	0.27	1.74	0.16	0.94	29	185	0.7	0.64	347	0004-1L
2180.00	swc	S/Sst : gy w to lt ol y	1.63	2.48	2.22	1.12	0.82	302	271	4.1	0.40	355	0005-1L
2181.50	swc	Sh/Clst: gy brn to drk brn	8.08	3.31	4.46	0.74	1.63	203	274	11.4	0.71	386	0006-1L
2182.50	swc	Sh/Clst: m gy to brn gy	0.93	8.13	0.60	13.55	2.36	344	25	9.1	0.10	427	0007-1L
2183.00	ccp	S/Sst : lt gy to m gy to drk gy	0.45	2.16	0.49	4.41	0.91	237	54	2.6	0.17	423	0001-1L
2187.00	cut	Sh/Clst: drk gy to gy blk	9.75	74.73	2.34	31.94	15.75	474	15	84.5	0.12	420	0057-1L
2187.20	ccp	Coal : blk	6.13	57.72	4.09	14.11	18.93	305	22	63.9	0.10	426	0002-1L
2193.54	ccp	Sh/Clst: brn gy to drk gy	4.22	53.11	8.51	6.24	8.28	641	103	57.3	0.07	421	0003-1L
2196.00	cut	Sh/Clst: brn gy to ol gy to m gy	0.87	9.13	1.09	8.38	3.18	287	34	10.0	0.09	427	0058-1L
2205.00	cut	Sh/Clst: brn gy to m gy to lt gy	0.54	5.88	1.00	5.88	2.17	271	46	6.4	0.08	424	0059-1L
2214.00	cut	S/Sst : w to gy w	0.09	0.43	1.15	0.37	0.35	123	329	0.5	0.17	429	0060-1L
2223.00	cut	S/Sst : w to gy w	0.10	0.28	1.02	0.27	0.30	93	340	0.4	0.26	425	0061-1L
2232.00	cut	S/Sst : w to gy w	0.14	0.42	1.01	0.42	0.30	140	337	0.6	0.25	429	0062-1L
2250.00	cut	S/Sst : w to gy w	0.21	0.61	1.05	0.58	0.41	149	256	0.8	0.26	353	0064-1L
2250.00	cut	Sh/Clst: lt gy to m gy to lt ol gy	0.07	0.19	0.63	0.30	0.27	70	233	0.3	0.27	431	0064-2L

Table 4 : Rock-Eval table for well NOCS 25/9-1

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
2268.00	cut	S/Sst : w to gy w	0.15	0.35	0.93	0.38	0.30	117	310	0.5	0.30	388	0066-1I
2286.00	cut	Sh/Clst: m gy to brn gy to pl brn	0.30	1.65	1.05	1.57	0.89	185	118	2.0	0.15	425	0068-2L
2295.00	cut	S/Sst : w to gy w to lt gy	0.06	0.16	1.47	0.11	0.36	44	408	0.2	0.27	404	0069-1L
2304.00	cut	S/Sst : w to gy w to lt gy	0.01	-	0.26	-	0.08	-	325	-	1.00	-	0070-1L
2304.00	cut	Sh/Clst: m gy to ol gy	0.31	2.47	0.68	3.63	0.99	249	69	2.8	0.11	428	0070-2L
2313.00	cut	Coal : blk	23.57	197.14	10.71	18.41	45.12	437	24	220.7	0.11	425	0071-3L
2331.00	cut	S/Sst : w to gy w	0.17	0.56	0.42	1.33	0.34	165	124	0.7	0.23	426	0073-1L
2331.00	cut	Sh/Clst: m gy to ol gy to brn gy	0.29	1.93	0.74	2.61	0.96	201	77	2.2	0.13	428	0073-2L
2340.00	cut	Coal : blk	23.47	160.00	11.73	13.64	41.00	390	29	183.5	0.13	416	0074-3L
2349.00	cut	S/Sst : w to gy w	0.02	0.09	0.26	0.35	0.13	69	200	0.1	0.18	430	0075-1L
2367.00	cut	S/Sst : w to gy w	-	0.01	0.30	0.03	0.11	9	273	-	-	430	0077-1L
2385.00	cut	Sh/Clst: brn blk to gy blk	11.28	75.02	2.46	30.50	21.99	341	11	86.3	0.13	424	0079-1L
2400.00	cut	S/Sst : w	0.02	0.03	0.86	0.03	0.11	27	782	0.1	0.40	427	0081-1L
2418.00	cut	Sh/Clst: ol gy to gn gy to m gy	0.52	1.00	1.25	0.80	0.47	213	266	1.5	0.34	351	0083-1L
2427.00	cut	Sh/Clst: pl brn to gy brn to lt gn gy	0.83	1.39	1.82	0.76	0.34	409	535	2.2	0.37	353	0085-1L

Table 4 : Rock-Eval table for well NOCS 25/9-1

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
2445.00	cut	Sh/Clst: pl brn to gy brn to lt gn gy	0.69	1.19	1.73	0.69	0.29	410	597	1.9	0.37	352	0087-1L
2463.00	cut	Sh/Clst: pl brn to gy brn to lt gn gy	0.40	0.95	1.28	0.74	0.17	559	753	1.4	0.30	356	0089-1L
2480.00	cut	Sh/Clst: pl brn to gy brn to lt gn gy	0.65	1.29	1.67	0.77	0.35	369	477	1.9	0.34	355	0091-1L
2508.00	cut	S/Sst : w to gy w	0.01	0.02	0.46	0.04	0.10	20	460	-	0.33	359	0098-1L
2517.00	cut	Sh/Clst: pl brn to gy brn	0.36	0.89	1.48	0.60	0.35	254	423	1.3	0.29	355	0095-1L

Table 4b: Rock-Eval table for well RE, STD

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
1.00	n/a	bulk	0.51	19.18	1.85	10.37	3.95	486	47	19.7	0.03	418	0017-0B
2.00	n/a	bulk	0.43	18.39	1.96	9.38	3.90	472	50	18.8	0.02	418	0018-0B
3.00	n/a	bulk	0.46	18.62	1.81	10.29	3.91	476	46	19.1	0.02	417	0019-0B
4.00	n/a	bulk	0.46	19.02	1.85	10.28	3.98	478	46	19.5	0.02	419	0020-0B
5.00	n/a	bulk	0.46	18.59	1.82	10.21	4.12	451	44	19.0	0.02	418	0021-0B

Table 5 : Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 25/9-1

Depth unit of measure: m

Depth	Typ	Lithology	C1	C2-C5	C6-C14	C15+	S2 from Rock-Eval	Sample
1770.00	cut	Sh/Clst: m gy to brn gy	7.59	51.43	38.52	2.46	0.79	0024-1L
1965.00	cut	Sh/Clst: m gy to lt ol gy to lt gy	6.47	42.14	44.05	7.34	1.98	0033-1L
2025.00	cut	Sh/Clst: pl brn to lt gn gy to lt brn gy	5.36	57.69	35.75	1.20	0.27	0039-1L
2052.00	cut	Ca : gy w to w	22.40	46.40	29.84	1.36	0.01	0042-2L
2088.00	cut	Ca : w to gy w	18.29	51.78	28.82	1.11	0.03	0046-2L
2115.00	cut	Ca : w to gy w	12.98	55.37	30.00	1.65	0.06	0049-2L
2151.00	cut	Sh/Clst: m gy to drk gy to brn gy	5.84	55.35	35.43	3.38	0.72	0053-2L
2169.00	cut	Sh/Clst: drk gy to m gy	2.59	13.00	30.79	53.62	39.16	0055-2L
2178.00	cut	Sh/Clst: drk gy to drk brn gy	2.64	11.41	30.13	55.82	33.53	0056-1L
2178.50	swc	Sh/Clst: m gy	6.68	35.90	53.64	3.78	0.27	0004-1L
2180.00	swc	S/Sst : gy w to lt ol y	2.83	51.54	42.83	2.79	2.48	0005-1L
2181.50	swc	Sh/Clst: gy brn to drk brn	7.29	37.70	49.42	5.59	3.31	0006-1L
2183.00	ccp	S/Sst : lt gy to m gy to drk gy	5.16	14.57	35.29	44.99	2.16	0001-1L
2187.00	cut	Sh/Clst: drk gy to gy blk	7.42	14.07	24.68	53.83	74.73	0057-1L
2187.20	ccp	Coal : blk	8.90	13.43	23.82	53.85	57.72	0002-1L

Table 5 : Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 25/9-1

Depth unit of measure: m

Depth	Typ	Lithology	C1	C2-C5	C6-C14	C15+	S2 from Rock-Eval	Sample
2193.54	ccp	Sh/Clst: brn gy to drk gy	8.11	12.78	23.72	55.38	53.11	0003-1L
2205.00	cut	Sh/Clst: brn gy to m gy to lt gy	6.25	18.99	35.64	39.12	5.88	0059-1L
2250.00	cut	S/Sst : w to gy w	8.41	42.26	40.91	8.41	0.61	0064-1L
2268.00	cut	S/Sst : w to gy w	6.17	44.89	41.43	7.51	0.35	0066-1L
2313.00	cut	Coal : blk	9.20	12.71	22.30	55.78	197.14	0071-3L
2331.00	cut	S/Sst : w to gy w	9.39	22.43	33.24	34.94	0.56	0073-1L
2340.00	cut	Coal : blk	10.02	11.89	22.62	55.48	160.00	0074-3L
2385.00	cut	Sh/Clst: brn blk to gy blk	10.24	13.95	20.53	55.28	75.02	0079-1L
2427.00	cut	Sh/Clst: pl brn to gy brn to lt gn gy	2.36	59.21	37.75	0.68	1.39	0085-1L
2445.00	cut	Sh/Clst: pl brn to gy brn to lt gn gy	2.11	60.25	37.03	0.61	1.19	0087-1L
2508.00	cut	S/Sst : w to gy w	8.66	57.64	32.30	1.40	0.02	0098-1L

Table 6 a: Weight of EOM and Chromatographic Fraction for well NOCS 25/9-1

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
1965.00	cut	Sh/Clst: m gy to lt ol gy to lt gy	10.8	34.9	1.0	1.4	2.3	30.1	2.4	32.5	1.27	0033-1L
2088.00	cut	Ca : w to gy w	11.5	11.4	0.6	0.3	0.8	9.7	1.0	10.4	0.16	0046-2L
2169.00	cut	Sh/Clst: drk gy to m gy	11.3	48.0	3.0	4.8	5.2	35.0	7.9	40.2	6.58	0055-2L
2180.00	swc	S/Sst : gy w to lt ol y	6.8	16.0	1.0	0.8	1.2	13.0	1.8	14.2	0.42	0005-1L
2181.50	swc	Sh/Clst: gy brn to drk brn	1.1	19.0	1.4	0.5	0.6	16.5	1.9	17.1	1.15	0006-1L
2183.00	ccp	S/Sst : lt gy to m gy to drk gy	3.3	7.4	0.7	0.8	2.8	3.1	1.5	5.9	0.98	0001-1L
2187.20	ccp	Coal : blk	2.3	61.5	0.9	3.0	54.4	3.2	4.0	57.6	28.10	0002-1L
2193.54	ccp	Sh/Clst: brn gy to drk gy	4.9	55.2	3.9	7.5	36.9	7.0	11.4	43.9	13.60	0003-1L
2385.00	cut	Sh/Clst: brn blk to gy blk	2.4	24.4	0.9	3.0	14.1	6.5	3.8	20.5	9.28	0079-1L

Table 6 b: Concentration of EOM and Chromatographic Fraction (wt ppm rock) for well NOCS 25/9-1

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
1965.00	cut	Sh/Clst: m gy to lt ol gy to lt gy	3218	88	132	216	2782	220	2998	0033-1L
2088.00	cut	Ca : w to gy w	990	55	27	65	841	83	906	0046-2L
2169.00	cut	Sh/Clst: drk gy to m gy	4263	270	426	464	3101	697	3566	0055-2L
2180.00	swc	S/Sst : gy w to lt ol y	2352	143	118	174	1914	262	2089	0005-1L
2181.50	swc	Sh/Clst: gy brn to drk brn	17412	1247	467	522	15174	1715	15697	0006-1L
2183.00	ccp	S/Sst : lt gy to m gy to drk gy	2279	202	251	871	953	453	1825	0001-1L
2187.20	ccp	Coal : blk	27105	414	1325	23955	1409	1740	25365	0002-1L
2193.54	ccp	Sh/Clst: brn gy to drk gy	11319	801	1530	7561	1426	2331	8987	0003-1L
2385.00	cut	Sh/Clst: brn blk to gy blk	10322	368	1254	5961	2737	1622	8699	0079-1L

Table 6 c: Concentration of EOM and Chromatographic Fraction (mg/g TOC(e)) for well NOCS 25/9-1

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
1965.00	cut	Sh/Clst: m gy to lt ol gy to lt gy	253.45	6.98	10.40	17.01	219.06	17.38	236.08	0033-1L
2088.00	cut	Ca : w to gy w	619.02	34.78	17.39	40.76	526.09	52.17	566.85	0046-2L
2169.00	cut	Sh/Clst: drk gy to m gy	64.80	4.11	6.49	7.07	47.13	10.60	54.20	0055-2L
2180.00	swc	S/Sst : gy w to lt ol y	560.10	34.26	28.32	41.61	455.91	62.58	497.52	0005-1L
2181.50	swc	Sh/Clst: gy brn to drk brn	1514.16	108.50	40.69	45.47	1319.51	149.18	1364.98	0006-1L
2183.00	ccp	S/Sst : lt gy to m gy to drk gy	232.57	20.66	25.67	88.89	97.35	46.33	186.24	0001-1L
2187.20	ccp	Coal : blk	96.46	1.47	4.72	85.25	5.02	6.19	90.27	0002-1L
2193.54	ccp	Sh/Clst: brn gy to drk gy	83.23	5.89	11.26	55.60	10.49	17.15	66.09	0003-1L
2385.00	cut	Sh/Clst: brn blk to gy blk	111.23	3.97	13.52	64.24	29.50	17.49	93.74	0079-1L

Table 6 d: Composition of material extracted from the rock (%) for well NOCS 25/9-1

Depth unit of measure: m

Depth	Typ	Lithology	Sat	Aro	Asph	NSO	HC	Non-HC	Sat	HC	Sample
			EOM	EOM	EOM	EOM	EOM	EOM	EOM	Aro	
1965.00	cut	Sh/Clst: m gy to lt ol gy to ll gy	2.75	4.10	6.71	86.43	6.86	93.14	67.13	7.36	0033-1L
2088.00	cut	Ca : w to gy w	5.62	2.81	6.58	84.99	8.43	91.57	200.00	9.20	0046-2L
2169.00	cut	Sh/Clst: drk gy to m gy	6.35	10.01	10.91	72.74	16.36	83.64	63.41	19.56	0055-2L
2180.00	swc	S/Sst : gy w to lt ol y	6.12	5.06	7.43	81.40	11.17	88.83	120.99	12.58	0005-1L
2181.50	swc	Sh/Clst: gy brn to drk brn	7.17	2.69	3.00	87.14	9.85	90.15	266.67	10.93	0006-1L
2183.00	ccp	S/Sst : lt gy to m gy to drk gy	8.88	11.04	38.22	41.86	19.92	80.08	80.49	24.87	0001-1L
2187.20	ccp	Coal : blk	1.53	4.89	88.38	5.20	6.42	93.58	31.23	6.86	0002-1L
2193.54	ccp	Sh/Clst: brn gy to drk gy	7.08	13.52	66.80	12.60	20.60	79.40	52.34	25.95	0003-1L
2385.00	cut	Sh/Clst: brn blk to gy blk	3.57	12.15	57.76	26.52	15.72	84.28	29.39	18.66	0079-1L

Table 7: Saturated Hydrocarbon Ratios for well NOCS 25/9-1

Depth unit of measure: m

Depth	Typ	Lithology	Pristane	Pristane	Pristane/nC17	Phytane	CPI1	nC17	Sample
			nC17	Phytane	Phytane/nC18	nC18		nC17+nC27	
1965.00	cut	Sh/Clst: m gy to lt ol gy to lt gy	2.15	2.62	2.55	0.84	2.56	0.52	0033-1L
2088.00	cut	Ca : w to gy w	0.54	0.98	1.10	0.50	1.18	1.00	0046-2L
2169.00	cut	Sh/Clst: drk gy to m gy	1.41	1.36	1.00	1.41	1.38	0.76	0055-2L
2180.00	swc	S/Sst : gy w to lt ol y	0.52	1.27	0.94	0.55	1.03	0.67	0005-1L
2181.50	swc	Sh/Clst: gy brn to drk brn	-	-	-	-	1.84	0.74	0006-1L
2183.00	ccp	S/Sst : lt gy to m gy to drk gy	0.83	2.59	1.42	0.59	1.08	0.79	0001-1L
2187.20	ccp	Coal : blk	1.32	6.39	3.41	0.39	1.17	0.83	0002-1L
2193.54	ccp	Sh/Clst: brn gy to drk gy	2.19	6.18	4.28	0.51	1.46	0.34	0003-1L
2385.00	cut	Sh/Clst: brn blk to gy blk	3.70	5.08	4.87	0.76	2.09	0.38	0079-1L

Table 8a: Aromatic Hydrocarbon Ratios for well NOCS 25/9-1

Depth unit of measure: m

Depth	Typ	Lithology	MNR	DMNR	BPhR	2/1MP	MPI1	MPI2	Rc	DBT/P	4/1MDBT	(3+2) /1MDBT	Sample
1965.00	cut	Sh/Clst: m gy to lt ol gy to lt gy	0.89	1.10	0.09	0.74	0.55	0.56	0.73	-	-	-	0033-1L
2088.00	cut	Ca : w to gy w	-	-	-	1.72	0.81	1.02	0.89	-	-	-	0046-2L
2169.00	cut	Sh/Clst: drk gy to m gy	0.99	1.18	-	-	-	-	-	0.53	0.19	0.14	0055-2L
2180.00	swc	S/Sst : gy w to lt ol y	0.95	1.84	0.53	0.98	0.55	0.64	0.73	-	-	-	0005-1L
2181.50	swc	Sh/Clst: gy brn to drk brn	-	-	-	1.50	1.30	1.69	1.18	-	-	-	0006-1L
2183.00	ccp	S/Sst : lt gy to m gy to drk gy	0.67	1.26	0.17	0.82	0.43	0.54	0.66	-	-	-	0001-1L
2187.20	ccp	Coal : blk	1.36	1.86	0.40	0.98	0.49	0.64	0.69	0.24	2.32	1.23	0002-1L
2193.54	ccp	Sh/Clst: brn gy to drk gy	1.25	1.73	0.38	1.00	0.49	0.65	0.69	0.25	2.64	1.13	0003-1L
2385.00	cut	Sh/Clst: brn blk to gy blk	1.10	1.21	1.98	0.97	0.49	0.56	0.69	-	-	-	0079-1L

Table 8b: Aromatic Hydrocarbon Ratios for well NOCS 25/9-1

Depth unit of measure: m

Depth	Typ	Lithology	F1	F2	Sample
1965.00	cut	Sh/Clst: m gy to lt ol gy to lt gy	0.38	0.19	0033-1L
2088.00	cut	Ca : w to gy w	0.52	0.33	0046-2L
2169.00	cut	Sh/Clst: drk gy to m gy	-	-	0055-2L
2180.00	swc	S/Sst : gy w to lt ol y	0.40	0.23	0005-1L
2181.50	swc	Sh/Clst: gy brn to drk brn	0.46	0.30	0006-1L
2183.00	ccp	S/Sst : lt gy to m gy to drk gy	0.35	0.22	0001-1L
2187.20	ccp	Coal : blk	0.39	0.25	0002-1L
2193.54	ccp	Sh/Clst: brn gy to drk gy	0.38	0.25	0003-1L
2385.00	cut	Sh/Clst: brn blk to gy blk	0.40	0.23	0079-1L

Table 9 : Thermal Maturity Data for well NOCS 25/9-1

Depth unit of measure: m

Depth	Typ	Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	Tmax (°C)	Sample
1090.00	cut	Sltst : ol gy to lt gy to m gy	0.23	6	0.01	-	-	-	0008-1L
1250.00	cut	Sh/Clst: lt brn gy to lt gy to m gy	0.28	10	0.04	-	-	-	0012-1L
1410.00	cut	Sh/Clst: m gy to ol gy to lt brn gy	0.31	5	0.01	-	-	-	0016-1L
1610.00	cut	Sh/Clst: m gy to ol gy to lt brn gy	NDP	-	-	-	-	-	0020-1L
1770.00	cut	Sh/Clst: m gy to brn gy	0.40	5	0.06	-	4.0(?)	346	0024-1L
1920.00	cut	Sh/Clst: lt gy to m gy to lt ol gy	NDP	-	-	-	3.5-4.0	419	0030-1L
1965.00	cut	Sh/Clst: m gy to lt ol gy to lt gy	-	-	-	-	3.5-4.0	351	0033-1L
1998.00	cut	Sh/Clst: lt gy to lt gn gy to m gy	0.54	3	0.02	-	-	352	0036-1L
2070.00	cut	Sh/Clst: m gy to ol gy to lt gy	NDP	-	-	-	-	352	0044-1L
2142.00	cut	Sh/Clst: m gy to drk gy to brn gy	NDP	-	-	-	-	374	0052-2L
2169.00	cut	Sh/Clst: drk gy to m gy	-	-	-	-	3.5-4.0(??)	416	0055-2L
2178.00	cut	Sh/Clst: drk gy to drk brn gy	0.41	2	0.01	-	4.5-5.0(?)	416	0056-1L
2187.00	cut	Sh/Clst: drk gy to gy blk	-	-	-	-	4.0-5.5	420	0057-1L
2187.20	ccp	Coal : blk	0.30	14	0.02	-	4.5	426	0002-1L

Table 9 : Thermal Maturity Data for well NOCS 25/9-1

Depth unit of measure: m

Depth	Typ	Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	Tmax (°C)	Sample
2193.54	ccp	Sh/Clst: brn gy to drk gy	0.33	18	0.02	-	5.0	421	0005-1L
2205.00	cut	Sh/Clst: brn gy to m gy to lt gy	-	-	-	-	4.5-5.0	424	0059-1L
2313.00	cut	Coal : blk	0.38	10	0.02	-	5.0(?)	425	0071-3L
2340.00	cut	Coal : blk	0.33	18	0.03	-	-	416	0074-3L
2385.00	cut	Sh/Clst: brn blk to gy blk	0.37	20	0.04	-	5.5	424	0079-1L
2427.00	cut	Sh/Clst: pl brn to gy brn to lt gn gy	-	-	-	-	NDP	353	0085-1L
2463.00	cut	Sh/Clst: pl brn to gy brn to lt gn gy	NDP	-	-	-	-	356	0089-1L
2517.00	cut	Sh/Clst: pl brn to gy brn	NDP	-	-	-	-	355	0095-1L

Table 10: Visual Kerogen Composition Data for well NOCS 25/9-1

Depth unit of measure: m

Depth	Typ	Lithology	L	A	L	S	C	D		I	S	I	M	S	V	C	V	A	Sample		
			%	L	t	l	l	n	e	l	t	L	%	n	s	t	n	o		I	%
1770.00	cut	Sh/Clst: m gy to brn gy	50	**	**	*		*	*	30	*	*			20	**	*		0024-1L		
1920.00	cut	Sh/Clst: lt gy to m gy to lt ol gy	80		*	**		*	*	10	*	**			10	*	*		0030-1L		
1965.00	cut	Sh/Clst: m gy to lt ol gy to lt gy	50		*	**		*	*	30	**	*			20	**	*		0033-1L		
2169.00	cut	Sh/Clst: drk gy to m gy	95	**	*	*		*	*	5	*	*	**		TR	*	**		0055-2L		
2178.00	cut	Sh/Clst: drk gy to drk brn gy	60	**	*	*		*	*	25	*	**	*		15	**	*	*	0056-1L		
2187.00	cut	Sh/Clst: drk gy to gy blk	65	**	**	*	*	*	*	5	*	**	*		30	*	*	**	0057-1L		
2187.20	ccp	Coal : blk	15			*	*	*		35	**	*			50	*	*	*	0002-1L		
2193.54	ccp	Sh/Clst: brn gy to drk gy	70	*	**	*	*	*	*	5	*	*			25	**	*	*	0003-1L		
2205.00	cut	Sh/Clst: brn gy to m gy to lt gy	60	*	**	**	*	*		5	**	*			35	**	*	*	0059-1L		
2313.00	cut	Coal : blk	10		*	**	*	*		TR	*				90	*	*	*	0071-3L		
2385.00	cut	Sh/Clst: brn blk to gy blk	5		**	*	*	*		10	*	**			85	*	*	*	0079-1L		
2427.00	cut	Sh/Clst: pl brn to gy brn to lt gn gy	NDP							NDP		*			NDP		*		0085-1L		

Table 11A: Tabulation of carbon isotope data for EOM/EOM - fractions for well NOCS 25/9-1

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>
2169.00	cut	Sh/Clst	-30.31	-31.76	-31.41	-29.93	-29.21	-	0055-2
2180.00	swc	S/Sst	-27.99	-27.16	-26.54	-28.76	-26.79	-	0005-1
2183.00	ccp	S/Sst	-26.40	-28.92	-25.78	-27.60	-25.63	-	0001-1
2193.54	ccp	Sh/Clst	-25.03	-27.41	-25.43	-25.79	-24.78	-	0003-1
2385.00	cut	Sh/Clst	-29.07	-35.71	-31.01	-29.45	-27.95	-	0079-1

Table 11B: Tabulation of cv values from carbon isotope data for well NOCS 25/9-1

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>
2169.00	cut	Sh/Clst	-31.76	-31.41	-1.03	0055-2
2180.00	swc	S/Sst	-27.16	-26.54	-1.85	0005-1
2183.00	ccp	S/Sst	-28.92	-25.78	4.29	0001-1
2193.54	ccp	Sh/Clst	-27.41	-25.43	1.24	0003-1
2385.00	cut	Sh/Clst	-35.71	-31.01	9.85	0079-1

Table 12a: Variation in Triterpane Distribution (peak height) SIR for Well NOCS 25/9-1

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
2169.00	Sh/Clst	2.35	0.70	0.19	0.34	0.25	0.09	0.04	0.12	0.04	0.05	0.79	0.31	0.37	35.20	0055-2
2180.00	S/Sst	1.32	0.57	0.25	1.19	0.54	-	0.09	0.07	0.08	0.65	0.93	0.54	0.08	56.73	0005-1
2183.00	S/Sst	3.71	0.79	0.13	0.56	0.36	0.09	2.22	3.97	0.69	0.04	0.70	0.37	0.47	19.70	0001-1
2193.54	Sh/Clst	12.35	0.93	0.17	0.53	0.34	0.17	0.41	0.78	0.29	-	0.69	0.36	0.50	19.62	0003-1
2385.00	Sh/Clst	31.14	0.97	0.17	0.44	0.30	0.08	0.05	0.12	0.05	0.01	0.76	0.36	0.43	40.58	0079-1

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 Well NOCS 25/9-1

Depth unit of measure: m

Depth	Lithology	Ratio1	Ratio2	Ratio3	Ratio4	Ratio5	Ratio6	Ratio7	Ratio8	Ratio9	Ratio10	Sample
2169.00	Sh/Clst	0.37	13.65	52.56	1.23	0.80	0.17	0.12	0.36	0.16	0.64	0055-2
2180.00	S/Sst	0.56	41.54	78.28	0.87	0.81	0.70	0.59	0.64	0.71	3.08	0005-1
2183.00	S/Sst	0.52	-	52.65	0.55	1.00	0.23	0.19	0.36	-	0.56	0001-1
2193.54	Sh/Clst	0.48	7.89	64.76	0.26	0.92	0.08	0.07	0.48	0.09	1.00	0003-1
2385.00	Sh/Clst	0.35	10.94	50.95	0.43	0.83	0.15	0.12	0.34	0.12	0.58	0079-1

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

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: $21a + 22a / 21a + 22a + 28daR + 28aaS + 29daR + 29aaS + 29\beta\beta R + 29\beta\beta S + 29aaR$

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: Variation in Triaromatic Sterane Distribution (peak height) for Well NOCS 25/9-1

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>
2169.00	Sh/Clst	0.44	0.29	0.14	0.19	0.21	0055-2
2180.00	S/Sst	0.67	0.77	0.48	0.41	0.49	0005-1
2183.00	S/Sst	0.70	0.71	0.47	0.45	0.55	0001-1
2193.54	Sh/Clst	0.51	0.62	0.43	0.32	0.52	0003-1
2385.00	Sh/Clst	0.50	0.52	0.30	0.26	0.38	0079-1

Ratio1: $a1 / a1 + g1$

Ratio2: $b1 / b1 + g1$

Ratio3: $a1 + b1 / a1 + b1 + c1 + d1 + e1 + f1 + g1$

Ratio4: $a1 / a1 + e1 + f1 + g1$

Ratio5: $a1 / a1 + d1$

Table 12d: Variation in Monoaromatic Sterane Distribution (peak height) for Well NOCS 25/9-1

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>
2169.00	Sh/Clst	0.12	0.05	0.07	0.05	0055-2
2180.00	S/Sst	0.35	0.26	0.19	0.17	0005-1
2183.00	S/Sst	0.21	0.13	0.10	0.08	0001-1
2193.54	Sh/Clst	0.26	0.09	0.09	0.06	0003-1
2385.00	Sh/Clst	0.19	0.10	0.08	0.06	0079-1

Ratio1: A1 / A1 + E1
 Ratio2: B1 / B1 + E1

Ratio3: A1 / A1 + E1 + G1
 Ratio4: A1+B1 / A1+B1+C1+D1+E1+F1+G1+H1+I1

Table 12e: Aromatisation of Steranes (peak height) for Well NOCS 25/9-1

Depth unit of measure: m

<u>Depth</u>	<u>Lithology</u>	<u>Ratio1</u>	<u>Ratio2</u>	<u>Sample</u>
2169.00	Sh/Clst	0.90	0.24	0055-2
2180.00	S/Sst	0.80	0.50	0005-1
2183.00	S/Sst	0.89	0.23	0001-1
2193.54	Sh/Clst	0.90	0.26	0003-1
2385.00	Sh/Clst	0.84	0.31	0079-1

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

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

Depth unit of measure: m

Depth	Lithology	23/3	24/3	25/3	24/4	26/3	27Ts	27Tm	28aß	25nor30aß	Sample
		29aß	29Ts	30d	29Ba	300	30aß	30Ba	30G	31aßS	
		31aßR	32aßS	32aßR	33aßS	33aßR	34aßS	34aßR	35aßS	35aßR	
2169.00	Sh/Clst	2518.8 9484.5 11522.7	1399.4 4805.0 2637.9	2057.8 2577.4 4856.8	1331.9 6295.2 2650.5	0.0 0.0 5835.1	3494.5 27843.8 1267.4	8212.5 7524.1 2666.4	1140.2 0.0 1853.3	2299.0 7095.6 1962.8	0055-2
2180.00	S/Sst	2609.7 2010.3 794.8	1103.6 330.5 251.2	436.4 0.0 191.6	587.9 148.6 165.7	247.5 0.0 175.0	461.0 1690.0 0.0	609.3 135.9 0.0	147.7 0.0 0.0	0.0 682.7 0.0	0005-1
2183.00	S/Sst	179.7 1234.4 1092.6	80.5 507.4 161.5	0.0 198.0 658.3	138.7 653.8 69.0	0.0 0.0 212.3	128.0 2206.8 0.0	474.7 963.7 129.4	4899.0 0.0 0.0	0.0 683.6 66.9	0001-1
2193.54	Sh/Clst	0.0 15196.0 18478.2	0.0 2262.3 2577.5	0.0 5050.4 10562.6	2103.1 8801.7 559.0	0.0 0.0 2088.3	694.3 28941.3 0.0	8575.8 13155.9 1156.4	11798.9 0.0 0.0	837.7 11712.2 0.0	0003-1
2385.00	Sh/Clst	405.8 18885.5 12155.2	241.4 1987.0 3097.4	328.4 3450.1 4536.2	564.5 12710.1 664.2	0.0 0.0 1812.7	372.9 43303.3 535.3	11611.8 13870.5 759.0	2242.5 0.0 0.0	853.7 13492.3 0.0	0079-1

Table 12g: Raw sterane data (peak height) m/z 217 SIR for Well NOCS 25/9-1

Depth unit of measure: m

Depth	Lithology	21a	22a	27dBS	27dBR	27daS	27daR	28dBS	28dBR	28daS*	Sample
		29dBS*	28daR*	27aaR	29dBR	29daS	28aaS	29daR*	28BS		
		28aaR	29aaS	29BBR	29BS	29aaR					
2169.00	Sh/Clst	5661.4 10181.4 18066.2	2742.4 6287.1 3548.5	14316.7 23972.3 10039.5	12609.7 11615.7 4362.6	7537.3 4426.0 22453.9	8198.2 6190.5	9407.1 8340.5	8563.8 5475.6	12918.1	0055-2
2180.00	S/Sst	991.8 179.1 52.2	299.2 181.4 81.5	176.3 141.3 213.5	121.0 140.8 140.2	52.3 55.5 114.7	66.3 54.2	95.8 102.8	59.9 113.6	115.8	0005-1
2183.00	S/Sst	102.5 353.5 52.3	39.2 69.3 0.0	127.2 117.0 100.3	91.2 160.6 69.2	96.3 97.3 304.7	51.2 0.0	73.2 60.1	67.1 62.7	53.2	0001-1
2193.54	Sh/Clst	670.2 5259.6 690.9	276.4 1208.7 435.4	1001.5 1098.4 2982.4	1309.3 4539.2 2085.4	589.2 2856.9 5079.9	588.6 0.0	2125.4 950.4	1160.8 889.7	1221.6	0003-1
2385.00	Sh/Clst	614.8 1434.7 1234.3	329.3 531.6 371.4	619.2 1165.3 920.6	593.1 1303.1 842.6	311.4 820.0 3023.6	403.8 340.3	624.8 939.0	525.5 576.6	579.8	0079-1

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

Table 12h: Raw triaromatic sterane data (peak height) m/z 231 for Well NOCS 25/9-1

Depth unit of measure: m

Depth	Lithology	a1	b1	c1	d1	e1	f1	g1	Sample
2169.00	Sh/Clst	6269.1	3282.4	9773.7	23575.2	6781.3	11207.5	14865.8	0055-2
2180.00	S/Sst	104.9	171.0	32.7	111.2	42.2	56.6	52.2	0005-1
2183.00	S/Sst	698.7	725.8	178.9	582.7	309.4	232.0	302.5	0001-1
2193.54	Sh/Clst	1573.2	2452.3	393.1	1441.7	932.2	967.7	1519.6	0003-1
2385.00	Sh/Clst	1974.5	2199.2	925.5	3281.4	1698.7	2073.0	1991.2	0079-1

Table 12i: Raw monoaromatic sterane data (peak height) m/z 253 for Well NOCS 25/9-1

Depth unit of measure: m

Depth	Lithology	A1	B1	C1	D1	E1	F1	G1	H1	I1	Sample
2169.00	Sh/Clst	21552.6	8398.0	37516.1	51334.2	162833.7	11078.1	147181.9	115860.8	48273.9	0055-2
2180.00	S/Sst	148.9	97.8	130.7	120.2	276.9	40.1	361.8	198.5	52.4	0005-1
2183.00	S/Sst	748.8	425.0	1171.3	998.6	2848.1	562.2	3732.0	2811.1	991.4	0001-1
2193.54	Sh/Clst	2263.7	606.4	2319.0	1751.0	6357.0	2835.6	16113.3	14528.9	4250.3	0003-1
2385.00	Sh/Clst	2289.9	1055.3	2376.8	3444.1	9943.6	3858.3	16201.0	12253.8	4413.4	0079-1

Table 12j: Raw sterane data (peak height) m/z 218 SIR for Well NOCS 25/9-1

Depth unit of measure: m

Depth	Lithology	27 β BR	27 β BS	28 β BR	28 β BS	29 β BR	29 β BS	30 β BR	30 β BS	Sample
2169.00	Sh/Clst	6747.4	4564.1	6775.5	5859.9	5185.2	5067.3	1280.7	2220.8	0055-2
2180.00	S/Sst	233.6	223.1	122.3	128.5	237.4	175.0	26.4	18.5	0005-1
2183.00	S/Sst	125.4	65.1	49.6	50.8	104.6	78.6	0.0	0.0	0001-1
2193.54	Sh/Clst	1424.2	374.2	930.0	1036.7	2856.2	2712.8	224.1	0.0	0003-1
2385.00	Sh/Clst	434.7	321.7	573.1	593.9	829.7	889.5	97.6	0.0	0079-1

Table 12k: Raw triterpane data (peak height) m/z 177 SIR for Well NOCS 25/9-1

Depth unit of measure: m

<u>Depth</u>	<u>Lithology</u>	<u>25nor28aß</u>	<u>25nor30aß</u>	<u>Sample</u>
2169.00	Sh/Clst	3575.1	1141.6	0055-2
2180.00	S/Sst	111.2	45.3	0005-1
2183.00	S/Sst	62.4	0.0	0001-1
2193.54	Sh/Clst	811.6	518.8	0003-1
2385.00	Sh/Clst	235.5	341.7	0079-1

Table 13. Quantitative glycol analysis from drill mud.	
Compounds	concentration
Monoethylglycol (MEG)	< 50 mg/l
Diethylglycol (DEG)	9090 mg/l
Triethylglycol (TEG)	3950 mg/l
Tetraethylglycol (T4EG)	2930 mg/l
Sample treatment:	The sample was diluted in ionexchanged water analysed by gas chromatography, using standards for identification and quantification of the glycol additive.