

Table 4A: Rock-Eval table for well NOCS 25/8-9

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
1700.00	cut	Sh/Clst: brn gy to gn gy	7.67	1.94	1.13	1.72	1.58	123	72	9.6	0.80	384	0109-1L
1780.00	cut	Sh/Clst: brn gy to gn gy	4.36	1.49	1.40	1.06	1.05	142	133	5.9	0.75	385	0111-1L
1860.00	cut	Sh/Clst: brn gy to gn gy	8.88	1.85	0.91	2.03	1.26	147	72	10.7	0.83	362	0113-1L
1940.00	cut	Sh/Clst: ol gy to gy brn	7.93	3.04	1.02	2.98	1.74	175	59	11.0	0.72	434	0115-1L
2020.00	cut	Sh/Clst: ol gy to gy brn, drk gy to gy blk	20.16	4.01	0.77	5.21	3.05	131	25	24.2	0.83	424	0117-1L
2038.00	cut	Sh/Clst: lt ol gy to drk gy	16.67	3.99	0.78	5.12	2.45	163	32	20.7	0.81	425	0119-1L
2056.00	cut	Sh/Clst: lt ol gy to drk gy	15.38	4.10	0.69	5.94	2.63	156	26	19.5	0.79	428	0168-1L
2074.00	cut	Sh/Clst: pl gy to gn gy	9.48	1.10	0.92	1.20	1.20	92	77	10.6	0.90	349	0122-1L
2083.00	cut	Sh/Clst: pl gy to gn gy, drk brn gy	9.71	1.29	0.70	1.84	1.17	110	60	11.0	0.88	348	0123-1L
2088.00	swc	Sh/Clst: gn gy	6.22	1.12	0.52	2.15	0.76	147	68	7.3	0.85	338	0081-1L
2091.50	swc	S/Sst : m lt gy gy	29.50	0.67	0.43	1.56	1.85	36	23	30.2	0.98	357	0082-1L
2092.00	cut	S/Sst : w to m lt gy	5.92	0.78	0.80	0.97	0.77	101	104	6.7	0.88	416	0124-1L
2098.00	ccp	S/Sst : m lt gy	9.13	1.33	0.37	3.59	1.25	106	30	10.5	0.87	356	0091-1L
2100.90	ccp	S/Sst : m lt gy	10.21	1.17	0.19	6.16	0.48	244	40	11.4	0.90	390	0093-1L
2101.08	ccp	S/Sst : m lt gy	7.79	0.62	0.20	3.10	0.37	168	54	8.4	0.93	370	0092-1L

Table 4A: Rock-Eval table for well NOCS 25/8-9

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
2104.80	ccp	S/Sst : brn gy	10.35	1.70	0.11	15.45	0.69	246	16	12.1	0.86	383	0094-1L
2110.20	ccp	S/Sst : m lt gy	17.50	0.38	0.20	1.90	0.30	127	67	17.9	0.98	380	0095-1L
2128.00	cut	S/Sst : w to m lt gy	1.31	0.19	0.38	0.50	0.27	70	141	1.5	0.87	395	0127-1L
2137.00	cut	S/Sst : w to m lt gy	0.62	0.11	0.29	0.38	0.17	65	171	0.7	0.85	310	0128-1L
2138.50	swc	Ca : m lt gy gy	27.83	0.02	0.56	0.04	1.16	2	48	27.9	1.00	-	0083-1L
2146.00	cut	Sh/Clst: gn gy	3.09	1.24	0.83	1.49	0.63	197	132	4.3	0.71	348	0129-2L
2164.00	cut	Sh/Clst: m gy to gn gy	7.79	1.92	1.17	1.64	1.14	168	103	9.7	0.80	351	0131-2L
2182.00	cut	Sh/Clst: m gy to gn gy	39.35	2.48	1.30	1.91	3.34	74	39	41.8	0.94	340	0133-2L
2200.00	cut	Sh/Clst: m gy to gn gy	27.99	1.76	1.31	1.34	2.47	71	53	29.7	0.94	340	0135-2L
2218.00	cut	Sh/Clst: drk gy, gn gy	12.06	1.67	1.45	1.15	1.52	110	95	13.7	0.88	379	0137-1L
2234.00	swc	S/Sst : m lt gy	42.14	-	0.25	-	1.68	-	15	42.1	1.00	-	0084-1L
2245.00	cut	Sh/Clst: drk gy to gn gy	25.28	2.67	1.26	2.12	2.21	121	57	28.0	0.90	361	0139-2L
2254.00	cut	Sh/Clst: drk gy to gn gy	16.95	4.00	1.22	3.28	1.88	213	65	21.0	0.81	437	0167-1L
2272.00	cut	Sh/Clst: drk gy to gn gy	50.95	2.80	1.38	2.03	3.48	80	40	53.7	0.95	369	0141-2L
2287.00	swc	S/Sst : m lt gy	34.62	-	0.28	-	1.52	-	18	34.6	1.00	-	0085-1L
2308.00	cut	S/Sst : gy w	3.02	-	0.29	-	0.20	-	145	3.0	1.00	-	0142-1L

Table 4A: Rock-Eval table for well NOCS 25/8-9

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
2323.00	swc	S/Sst : m lt gy	29.17	0.04	0.26	0.15	1.26	3	21	29.2	1.00	312	0086-1L
2335.00	cut	Ca : w	15.65	0.70	0.79	0.89	0.79	89	100	16.4	0.96	439	0144-1L
2353.00	cut	Ca : w	16.51	0.99	0.79	1.25	0.93	106	85	17.5	0.94	443	0146-1L
2371.00	cut	Ca : w	26.95	1.55	0.97	1.60	0.76	204	128	28.5	0.95	443	0148-1L
2380.00	cut	Sh/Clst: drk gy	26.92	2.25	1.26	1.79	1.94	116	65	29.2	0.92	435	0171-3L
2389.00	cut	Sh/Clst: brn blk	37.88	20.88	1.48	14.11	7.06	296	21	58.8	0.64	420	0172-1L
2398.00	cut	Sh/Clst: brn blk	22.66	25.39	1.51	16.81	8.35	304	18	48.0	0.47	420	0149-1L
2407.00	cut	Sh/Clst: brn blk	17.17	27.05	1.17	23.12	9.96	272	12	44.2	0.39	420	0150-1L
2416.00	cut	Sh/Clst: brn blk, gy brn	25.52	22.96	1.27	18.08	8.53	269	15	48.5	0.53	421	0151-1L
2431.50	swc	S/Sst : m drk gy	30.65	2.20	0.47	4.68	2.12	104	22	32.8	0.93	427	0087-1L
2434.00	cut	S/Sst : gy w to pl y brn	19.98	3.76	0.71	5.30	1.05	358	68	23.7	0.84	430	0152-1L
2438.50	swc	S/Sst : m lt gy	29.03	0.17	0.34	0.50	1.03	17	33	29.2	0.99	460	0088-1L
2440.30	ccp	S/Sst : m lt gy to lt brn gy	10.05	0.27	0.13	2.08	0.10	270	130	10.3	0.97	388	0096-1L
2449.00	swc	S/Sst : m gy	50.62	0.02	0.35	0.06	1.87	1	19	50.6	1.00	390	0089-1L
2452.00	cut	S/Sst : gy w to pl y brn	11.53	0.85	0.89	0.96	0.47	181	189	12.4	0.93	434	0154-1L
2461.00	cut	S/Sst : gy w to pl y brn	18.88	0.79	1.20	0.66	0.52	152	231	19.7	0.96	432	0155-1L

Table 4A: Rock-Eval table for well NOCS 25/8-9

Depth unit of measure: m

Depth	Typ	Form	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
2462.81	ccp		S/Sst : brn gy	10.54	0.32	0.09	3.56	0.32	100	28	10.9	0.97	491	0097-1L
2479.00	cut		Sh/Clst: brn blk, brn gy	74.78	171.28	3.10	55.25	49.00	350	6	246.1	0.30	419	0157-2L
2488.00	cut		Sh/Clst: brn blk, brn gy	84.88	167.79	3.92	42.80	69.60	241	6	252.7	0.34	428	0158-2L
2497.00	cut		Sh/Clst: brn blk, brn gy	65.19	64.69	1.78	36.34	23.60	274	8	129.9	0.50	428	0159-2L
2506.00	cut		Sh/Clst: brn blk, brn gy	24.60	47.67	1.20	39.72	16.50	289	7	72.3	0.34	429	0160-2L
2515.00	cut		Sh/Clst: drk gy, gn gy	16.79	5.08	0.97	5.24	3.32	153	29	21.9	0.77	438	0161-2L
2533.00	cut		Sh/Clst: drk gy	26.23	13.76	1.16	11.86	6.56	210	18	40.0	0.66	430	0163-2L

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

Depth unit of measure: m

Depth	Typ	Form	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
1.00	std		bulk	0.43	17.69	1.81	9.77	-	-	-	18.1	0.02	421	0136-0B
2.00	std		bulk	0.42	17.42	2.37	7.35	-	-	-	17.8	0.02	422	0137-0B
3.00	std		bulk	0.53	18.98	1.69	11.23	-	-	-	19.5	0.03	420	0138-0B

Table 5 : Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 25/8-9

Depth unit of measure: m

Depth	Typ	Lithology	C1	C2-C5	C6-C14	C15+	S2 from Rock-Eval	Sample
2020.00	cut	Sh/Clst: ol gy to gy brn, drk gy to gy blk	8.55	24.47	52.13	14.84	-	0117-1L
2088.00	swc	Sh/Clst: gn gy	6.15	47.67	40.73	5.45	-	0081-1L
2091.50	swc	S/Sst : m lt gy gy	10.14	42.95	40.80	6.11	-	0082-1L
2098.00	ccp	S/Sst : m lt gy	12.99	37.55	42.31	7.14	-	0091-1L
2100.90	ccp	S/Sst : m lt gy	3.56	25.53	48.08	22.83	-	0093-1L
2104.80	ccp	S/Sst : brn gy	3.51	18.81	39.91	37.78	-	0094-1L
2110.20	ccp	S/Sst : m lt gy	4.22	32.64	45.81	17.32	-	0095-1L
2138.50	swc	Ca : m lt gy gy	8.01	40.17	44.47	7.34	-	0083-1L
2234.00	swc	S/Sst : m lt gy	5.39	29.52	33.42	31.67	-	0084-1L
2254.00	cut	Sh/Clst: drk gy to gn gy	3.88	22.38	55.36	18.37	-	0167-1L
2308.00	cut	S/Sst : gy w	8.76	24.21	49.44	17.59	-	0142-1L
2335.00	cut	Ca : w	7.92	21.75	53.48	16.85	-	0144-1L
2380.00	cut	Sh/Clst: drk gy	6.98	26.10	52.10	14.82	-	0171-3L
2389.00	cut	Sh/Clst: brn blk	7.12	25.50	48.26	19.12	-	0172-1L
2398.00	cut	Sh/Clst: brn blk	5.56	19.67	37.07	37.70	-	0149-1L

Table 5 : Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 25/8-9

Depth unit of measure: m

Depth	Typ	Lithology	C1	C2-C5	C6-C14	C15+	S2 from Rock-Eval	Sample
2407.00	cut	Sh/Clst: brn blk	6.34	19.96	35.60	38.11	-	0150-1L
2416.00	cut	Sh/Clst: brn blk, gy brn	5.58	20.20	38.23	35.99	-	0151-1L
2431.50	swc	S/Sst : m drk gy	6.08	30.28	51.43	12.21	-	0087-1L
2434.00	cut	S/Sst : gy w to pl y brn	2.05	19.84	52.28	25.83	-	0152-1L
2438.50	swc	S/Sst : m lt gy	7.24	26.14	48.34	18.28	-	0088-1L
2440.30	ccp	S/Sst : m lt gy to lt brn gy	2.80	29.70	49.35	18.14	-	0096-1L
2462.81	ccp	S/Sst : brn gy	7.08	30.33	52.59	10.00	-	0097-1L
2479.00	cut	bulk	9.41	18.18	32.67	39.73	-	0157-0B
2488.00	cut	Sh/Clst: brn blk, brn gy	13.83	20.18	25.73	40.26	-	0158-2L
2506.00	cut	Sh/Clst: brn blk, brn gy	11.89	22.12	31.04	34.96	-	0160-2L

Table 6 a: MPLC Bulk Composition: Weight of EOM and Fraction for well NOCS 25/8-9

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
2020.00	cut	Sh/Clst: ol	9.5	214.4	191.9	11.6	1.1	9.9	203.4	10.9	3.10	0117-1L
2104.80	ccp	S/Sst : br	4.9	61.7	45.6	10.7	0.9	4.6	56.2	5.5	1.25	0094-1L
2389.00	cut	Sh/Clst: br	9.1	326.1	297.6	14.1	2.1	12.2	311.7	14.4	7.72	0172-1L
2407.00	cut	Sh/Clst: br	3.6	56.3	40.5	6.0	2.4	7.4	46.6	9.7	9.80	0150-1L
2431.50	swc	S/Sst : m	7.9	189.2	178.1	5.8	1.0	4.3	183.9	5.3	1.94	0087-1L
2488.00	cut	Sh/Clst: br	1.9	189.9	114.1	19.9	21.9	33.9	134.1	55.8	65.10	0158-2L
2506.00	cut	Sh/Clst: br	2.4	77.6	42.7	8.5	6.3	20.1	51.2	26.4	26.00	0160-2L

Table 6 b: MPLC Bulk Composition: Concentration of EOM and Fraction (wt ppm rock) for well NOCS 25/8-9

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
2020.00	cut	Sh/Clst: ol	22663	20281	1225	113	1044	21506	1157	0117-1L
2104.80	ccp	S/Sst : br	12669	9359	2188	176	944	11548	1121	0094-1L
2389.00	cut	Sh/Clst: br	35756	32628	1551	234	1342	34179	1576	0172-1L
2407.00	cut	Sh/Clst: br	15726	11321	1684	662	2058	13005	2720	0150-1L
2431.50	swc	S/Sst : m	23949	22550	731	129	537	23282	667	0087-1L
2488.00	cut	Sh/Clst: br	99947	60073	10494	11536	17842	70568	29378	0158-2L
2506.00	cut	Sh/Clst: br	32468	17857	3573	2619	8418	21430	11037	0160-2L

Table 6 c: MPLC Bulk Composition: Concentration of EOM and Fraction (mg/g TOC(e)) for well NOCS 25/8-9

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
2020.00	cut	Sh/Clst: ol	731.09	654.23	39.52	3.65	33.69	693.75	37.34	0117-1L
2104.80	ccp	S/Sst : br	1013.55	748.75	175.11	14.13	75.56	923.86	89.69	0094-1L
2389.00	cut	Sh/Clst: br	463.17	422.65	20.10	3.04	17.38	442.74	20.42	0172-1L
2407.00	cut	Sh/Clst: br	160.47	115.52	17.19	6.76	21.01	132.71	27.76	0150-1L
2431.50	swc	S/Sst : m	1234.50	1162.40	37.71	6.66	27.73	1200.12	34.39	0087-1L
2488.00	cut	Sh/Clst: br	153.53	92.28	16.12	17.72	27.41	108.40	45.13	0158-2L
2506.00	cut	Sh/Clst: br	124.88	68.68	13.74	10.07	32.38	82.43	42.45	0160-2L

Table 6 d: MPLC Bulk Composition: Material extracted from the rock (%) for well NOCS 25/8-9

Depth unit of measure: m

Depth	Typ	Lithology	Sat	Aro	Asph	NSO	Total	HC	Non-HC	Recov. MPLC	Recov. Asph	Sample
2020.00	cut	Sh/Clst: ol	89.49	5.41	0.50	4.61	100.00	94.89	5.11	-	-	0117-1L
2104.80	ccp	S/Sst : br	73.87	17.28	1.39	7.46	100.00	91.15	8.85	-	0.01	0094-1L
2389.00	cut	Sh/Clst: br	91.25	4.34	0.66	3.75	100.00	95.59	4.41	-	-	0172-1L
2407.00	cut	Sh/Clst: br	71.99	10.71	4.21	13.09	100.00	82.70	17.30	-	0.04	0150-1L
2431.50	swc	S/Sst : m	94.16	3.05	0.54	2.24	99.99	97.21	2.78	-	-	0087-1L
2488.00	cut	Sh/Clst: br	60.11	10.50	11.54	17.85	99.99	70.61	29.39	-	0.12	0158-2L
2506.00	cut	Sh/Clst: br	55.00	11.01	8.07	25.93	100.00	66.01	33.99	-	0.08	0160-2L

Table 6 e: MPLC Bulk Composition: Ratios for well NOCS 25/8-9

Depth unit of measure: m

Depth	Typ	Lithology	Sat	HC	Asp	Sample
			Aro	Non-HC	NSO	
2020.00	cut	Sh/Clst: ol	16.55	18.58	0.11	0117-1L
2104.80	ccp	S/Sst : br	4.28	10.30	0.19	0094-1L
2389.00	cut	Sh/Clst: br	21.03	21.68	0.17	0172-1L
2407.00	cut	Sh/Clst: br	6.72	4.78	0.32	0150-1L
2431.50	swc	S/Sst : m	30.82	34.97	0.24	0087-1L
2488.00	cut	Sh/Clst: br	5.72	2.40	0.65	0158-2L
2506.00	cut	Sh/Clst: br	5.00	1.94	0.31	0160-2L

Table 7: Saturated Hydrocarbon Ratios (peak area) for well NOCS 25/8-9

Depth unit of measure: m

Depth	Typ	Lithology	<u>Pristane</u>	<u>Pristane</u>	<u>Pristane/nC17</u>	<u>Phytane</u>	CPI1	<u>nC17</u>	Sample
			nC17	Phytane	Phytane/nC18	nC18		nC17+nC27	
2020.00	cut	Sh/Clst: ol gy to gy brn, drk gy to gy blk	0.37	1.47	0.92	0.40	-	1.00	0117-1L
2104.80	ccp	S/Sst : brn gy	0.59	1.98	1.74	0.34	1.10	0.84	0094-1L
2389.00	cut	Sh/Clst: brn blk	0.32	1.52	1.18	0.27	-	1.00	0172-1L
2407.00	cut	Sh/Clst: brn blk	0.43	2.20	1.50	0.29	-	1.00	0150-1L
2431.50	swc	S/Sst : m drk gy	0.39	1.72	1.14	0.34	-	1.00	0087-1L
2488.00	cut	Sh/Clst: brn blk, brn gy	0.49	3.21	2.09	0.23	-	1.00	0158-2L
2506.00	cut	Sh/Clst: brn blk, brn gy	0.39	1.32	1.14	0.34	2.05	0.96	0160-2L

Table 8a: Aromatic Hydrocarbon Ratios (peak area) for well NOCS 25/8-9

Depth unit of measure: m

Depth	Typ	Lithology	MNR	DMNR	BPhR	2/1MP	MPI1	MPI2	Rc	DBT/P	4/1MDBT (3+2) /1MDBT	Sample
2020.00	cut	Sh/Clst: ol gy to gy brn, drk gy to gy blk	-	-	1.35	-	-	-	-	-	-	0117-1L
2104.80	ccp	S/Sst : brn gy	-	-	0.20	-	0.63	1.25	0.78	-	-	0094-1L
2389.00	cut	Sh/Clst: brn blk	-	-	-	-	-	-	-	-	-	0172-1L
2407.00	cut	Sh/Clst: brn blk	1.58	-	0.58	-	-	-	-	-	-	0150-1L
2431.50	swc	S/Sst : m drk gy	-	-	1.00	-	-	-	-	-	-	0087-1L
2488.00	cut	Sh/Clst: brn blk, brn gy	1.63	2.65	0.50	1.11	0.89	0.99	0.94	-	-	0158-2L
2506.00	cut	Sh/Clst: brn blk, brn gy	1.41	3.04	0.46	1.09	1.05	1.11	1.03	-	-	0160-2L

Table 8b: Aromatic Hydrocarbon Ratios (peak area) for well NOCS 25/8-9

Depth unit of measure: m

Depth	Typ	Lithology	F1	F2	Sample
2020.00	cut	Sh/Clst: ol gy to gy brn, drk gy to gy blk	-	-	0117-1L
2104.80	ccp	S/Sst : brn gy	0.56	0.56	0094-1L
2389.00	cut	Sh/Clst: brn blk	-	-	0172-1L
2407.00	cut	Sh/Clst: brn blk	-	-	0150-1L
2431.50	swc	S/Sst : m drk gy	-	-	0087-1L
2488.00	cut	Sh/Clst: brn blk, brn gy	0.37	0.21	0158-2L
2506.00	cut	Sh/Clst: brn blk, brn gy	0.41	0.22	0160-2L

Table 9 : Thermal Maturity Data for well NOCS 25/8-9

Depth unit of measure: m

Depth	Typ	Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation (%)	Spore Fluorescence Colour	SCI	Tmax (°C)	Sample
1220.00	cut	Sh/Clst: m gy to gy brn, gn gy	0.29	20	0.05	3	-	-	0098-1L
1300.00	cut	Sh/Clst: m gy to gy brn	0.35	20	0.04	3	-	-	0100-1L
1420.00	cut	Sh/Clst: brn gy to gn gy	0.36	20	0.04	3-4	-	-	0103-1L
1500.00	cut	Sh/Clst: brn gy to gn gy	0.38	20	0.05	0	-	-	0105-1L
1620.00	cut	Sh/Clst: brn gy to gn gy	0.42	20	0.05	3-4	-	-	0107-1L
1740.00	cut	Sh/Clst: brn gy to gn gy	0.41	20	0.05	4-5	-	-	0110-1L
1860.00	cut	Sh/Clst: brn gy to gn gy	0.39	20	0.04	4	-	362	0113-1L
1980.00	cut	Sh/Clst: ol gy to gy brn	0.39	11	0.06	3+4	-	-	0116-1L
2074.00	cut	Sh/Clst: pl gy to gn gy	0.38	3	0.02	0	-	349	0122-1L
2155.00	cut	Sh/Clst: drk gn gy	0.44	20	0.04	0	-	-	0130-1L
2245.00	cut	Sh/Clst: drk gy to gn gy	0.41	14	0.04	4	-	361	0139-2L
2398.00	cut	Sh/Clst: brn blk	0.37	20	0.03	4	5.5-6.0	420	0149-1L
2479.00	cut	Sh/Clst: brn blk, brn gy	0.38	20	0.04	4	5.0-5.5	419	0157-2L
2506.00	cut	Coal : blk	0.46	20	0.03	4	-	-	0160-3L
2542.00	cut	Sh/Clst: drk gy	0.44	20	0.05	4	-	-	0164-2L

Table 10: Visual Kerogen Composition Data for well NOCS 25/8-9

Depth unit of measure: m

Depth	Typ	Lithology	Amorphous		Algal/Phytoplankton					Herbaceous				Woody				Coaly			SCI	Sample	
			AM%	FA HA	AP%	Cy	Ta	Bo	Di	De	HE%	SP	Cu	De	WO%	FL	NF	De	CO%	FS	De		
2380.00	cut	Sh/Clst	60	*	TR	*			*		15	*	**	**	TR		*	**	25	*	**	5.5-6.0	0171-3L
2398.00	cut	Sh/Clst	55	*	TR	*					10	*	*	**	15		*	*	20	*	*	5.5-6.0	0149-1L
2479.00	cut	Sh/Clst	TR	*	TR	*					5	*	**	**	85	**	**	*	10	**	*	5.0-5.5	0157-2L
2506.00	cut	Sh/Clst	40	*	TR	*					10	*	*	**	35		*	**	15	*	**	5.5-6.0	0160-2L

Table 11A: Tabulation of carbon isotope data for EOM/EOM - fractions for well NOCS 25/8-9

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>
2020.00	cut	Sh/Clst	-27.42	-27.96	-27.00	-27.76	-27.01	-	0117-1
2104.80	ccp	S/Sst	-27.78	-27.80	-27.02	-27.42	-26.88	-	0094-1
2389.00	cut	Sh/Clst	-27.55	-27.59	-27.38	-28.10	-26.87	-	0172-1
2407.00	cut	Sh/Clst	-26.55	-27.71	-26.69	-26.97	-25.85	-	0150-1
2431.50	swc	S/Sst	-27.63	-27.70	-26.83	-27.90	-26.47	-	0087-1

Table 11B: Tabulation of cv values from carbon isotope data for well NOCS 25/8-9

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>
2020.00	cut	Sh/Clst	-27.96	-27.00	-0.85	0117-1
2104.80	ccp	S/Sst	-27.80	-27.02	-1.30	0094-1
2389.00	cut	Sh/Clst	-27.59	-27.38	-2.63	0172-1
2407.00	cut	Sh/Clst	-27.71	-26.69	-0.80	0150-1
2431.50	swc	S/Sst	-27.70	-26.83	-1.13	0087-1

Table 12a: Variation in Triterpane Distribution (peak height) SIR for Well NOCS 25/8-9

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
2020.00	Sh/Clst	2.63	0.72	0.23	0.57	0.36	0.04	2.99	5.21	0.75	0.12	0.80	0.43	0.39	29.87	0117-1
2104.80	S/Sst	0.88	0.47	0.18	0.41	0.29	0.21	0.06	0.14	0.06	0.09	0.89	0.29	0.12	60.29	0094-1
2389.00	Sh/Clst	7.10	0.88	0.24	0.44	0.30	0.06	0.15	0.35	0.13	0.10	0.75	0.31	0.35	42.37	0172-1
2407.00	Sh/Clst	25.36	0.96	0.30	0.54	0.35	0.05	0.03	0.05	0.03	0.04	0.69	0.36	0.47	37.96	0150-1
2431.50	S/Sst	3.60	0.78	0.25	0.63	0.39	0.04	0.06	0.10	0.06	0.24	0.79	0.40	0.28	42.27	0087-1
2488.00	Sh/Clst	60.13	0.98	0.35	0.46	0.31	0.05	0.03	0.06	0.03	0.02	0.70	0.35	0.49	33.51	0158-2
2506.00	Sh/Clst	41.36	0.98	0.36	0.55	0.35	0.05	0.02	0.04	0.02	0.02	0.70	0.38	0.47	42.20	0160-2

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 25/8-9

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>
2020.00	Sh/Clst	0.15	20.00	41.06	0.39	0.64	0.18	0.13	0.26	0.25	0.44	0117-1
2104.80	S/Sst	0.72	33.29	73.19	1.25	0.80	0.37	0.26	0.58	0.50	2.05	0094-1
2389.00	Sh/Clst	0.44	11.02	52.03	1.30	0.83	0.21	0.15	0.35	0.12	0.61	0172-1
2407.00	Sh/Clst	0.51	8.26	47.72	1.35	0.85	0.25	0.18	0.31	0.09	0.50	0150-1
2431.50	S/Sst	0.48	10.16	55.92	1.75	0.86	0.52	0.42	0.39	0.11	0.71	0087-1
2488.00	Sh/Clst	0.28	10.86	65.31	0.14	0.90	0.25	0.19	0.48	0.12	1.06	0156-2
2506.00	Sh/Clst	0.36	8.68	52.52	0.18	0.86	0.17	0.14	0.36	0.10	0.61	0160-2

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 Well NOCS 25/8-9

Depth unit of measure: m

Depth	Lithology	23/3	24/3	25/3	24/4	26/3	27Ts	27Tm	28a β	25nor30a β	Sample
		29a β	29Ts	30d	29 β a	300	30a β	30 β a	30G	31a β S	
		31a β R	32a β S	32a β R	33a β S	33a β R	34a β S	34a β R	35a β S	35a β R	
2020.00	Sh/Clst	12451.3 16234.7 7951.1	3453.4 5650.8 2075.9	1747.0 1066.9 4874.8	2879.9 10290.8 459.2	904.9 0.0 714.7	3968.3 28262.5 0.0	10452.5 7073.8 224.1	84529.0 0.0 0.0	0.0 6187.0 155.0	0117-1
2104.80	S/Sst	29641.2 71608.3 44774.6	16401.1 44091.7 48178.5	9006.7 37068.2 31731.4	18675.4 8784.2 26766.3	5447.7 0.0 17219.0	46941.3 173514.2 15342.6	41418.7 21318.6 11193.1	10172.0 0.0 8743.7	5563.5 69883.5 6991.6	0094-1
2389.00	Sh/Clst	15245.3 17480.4 14178.0	4132.1 2649.9 5163.9	2657.7 2286.8 7024.9	3317.5 6717.8 2906.4	1021.6 0.0 3885.1	2361.6 39837.1 2036.7	16759.5 13491.8 2529.7	6129.7 0.0 1999.3	0.0 15246.6 2694.4	0172-1
2407.00	Sh/Clst	7377.0 25752.4 16485.6	2130.9 1321.4 4568.4	1540.9 2331.4 7467.2	3091.1 13539.7 1731.7	430.9 0.0 2996.9	1157.6 47525.1 762.6	29353.2 21238.1 1691.2	1400.9 0.0 920.3	0.0 19626.7 2363.7	0150-1
2431.50	S/Sst	6614.4 4167.2 2020.5	1599.4 515.3 582.9	839.0 284.9 795.9	1121.5 1286.1 191.2	381.0 0.0 277.7	776.5 6569.5 103.4	2798.4 1724.8 148.2	410.1 0.0 98.8	0.0 2304.4 130.6	0087-1

Table 12c: Raw triterpane data (peak height) m/z 191 SIR for Well NOCS 25/8-9

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	
2488.00	Sh/Clst	7508.3	1780.1	1014.4	5507.0	263.1	989.3	59491.1	2128.5	0.0	0158-2
		35468.1	1908.4	4000.1	22318.5	0.0	77189.2	32517.5	0.0	33378.1	
		28219.9	8361.7	16590.4	1395.7	2689.6	312.4	929.3	0.0	0.0	
2506.00	Sh/Clst	6836.1	1652.4	1021.9	4608.4	294.1	1340.0	55428.1	1609.3	0.0	0160-2
		38434.6	1592.5	3307.8	21563.4	0.0	69855.5	29496.8	0.0	33804.2	
		24347.3	9193.1	12591.6	1478.1	2106.1	492.9	785.4	0.0	0.0	

Table 12d: Raw sterane data (peak height) m/z 217 SIR for Well NOCS 25/8-9

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					
2020.00	Sh/Clst	5770.5 3797.6 15476.8	2403.5 5431.8 5486.2	4885.0 28767.9 6229.5	3624.4 3191.6 3323.3	1286.0 15265.1 21939.5	1700.1 2951.9	1924.5 7074.0	1746.4 2617.8	8415.1	0117-1
2104.80	S/Sst	37459.4 50423.1 8731.3	14948.7 23439.1 12695.0	75460.7 29959.6 29130.5	47124.7 39027.8 22916.2	17274.1 12646.2 25437.1	17639.7 11061.7	28773.4 24400.1	16038.9 18164.3	22615.6	0094-1
2389.00	Sh/Clst	7964.8 13357.1 10645.2	2239.8 4510.6 2813.6	20768.6 26233.7 8850.7	15688.9 10983.5 4989.1	8134.6 4177.7 22708.5	5535.5 2735.3	8987.8 10120.7	6658.0 3875.5	10934.3	0172-1
2407.00	Sh/Clst	8589.2 15569.3 7712.1	1738.4 4325.0 1774.1	24098.1 23273.1 7353.1	17650.5 11848.1 2449.6	8904.2 5112.1 19705.4	6811.3 2736.5	8579.5 9884.2	5940.1 2901.4	10228.0	0150-1
2431.50	S/Sst	1569.7 749.9 299.2	422.9 301.8 114.4	1884.9 2074.5 455.9	1020.9 589.2 258.1	310.4 175.6 1011.5	284.8 96.4	455.3 486.0	262.7 207.6	871.6	0087-1

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

Table 12d: Raw sterane data (peak height) m/z 217 SIR for Well NOCS 25/8-9

Depth unit of measure: m

Depth	Lithology	21a	22a	27d β S	27d β R	27daR	27daS	28d β S	28d β R	28daR*	Sample
		29d β S*	28daS*	27aaR	29d β R	29daR	28aaS	29daS*	28 β β S		
		28aaR	29aaS	29 β β R	29 β β S	29aaR					
2488.00	Sh/Clst	5083.6	896.5	1636.5	1085.5	704.5	391.9	2955.9	1721.7	2024.3	0158-2
		10638.7	1555.1	4155.8	7632.3	3529.8	962.2	5260.0	1572.7		
		1563.7	987.6	5406.0	3151.8	8102.8					
2506.00	Sh/Clst	3696.4	766.9	2085.1	1221.2	579.4	295.7	2353.0	1211.5	1514.8	0160-2
		9750.1	820.5	3682.7	6578.5	2698.3	573.5	4470.3	953.2		
		1780.8	1255.1	5700.2	2292.9	13196.7					

* 28daR coel with 27aaS, 29d β S coel with 27 β β R, 28daS coel with 27 β β S, 29daS coel with 28 β β R

Table 12e: Raw sterane data (peak height) m/z 218 SIR for Well NOCS 25/8-9

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
2020.00	Sh/Clst	2657.6	2345.1	4289.3	2449.4	4323.6	3332.0	4257.2	6241.6	0117-1
2104.80	S/Sst	34392.4	28870.7	24923.7	23727.5	38848.5	34981.8	7263.9	6899.7	0094-1
2389.00	Sh/Clst	7216.9	5637.9	7171.7	5177.8	10050.9	7447.5	391.5	794.6	0172-1
2407.00	Sh/Clst	5726.7	4135.7	5230.7	3188.9	5998.8	3675.6	202.0	478.8	0150-1
2431.50	S/Sst	533.0	421.2	379.7	311.7	517.1	371.6	49.6	57.3	0087-1
2488.00	Sh/Clst	2802.8	545.6	2182.1	1843.0	7146.3	4891.8	0.0	234.6	0158-2
2506.00	Sh/Clst	2562.0	538.0	1697.1	1207.0	5908.0	3652.3	106.5	236.0	0160-2

Table 12f: Raw triterpane data (peak height) m/z 177 SIR for Well NOCS 25/8-9

Depth unit of measure: m

<u>Depth</u>	<u>Lithology</u>	<u>25nor28aß</u>	<u>25nor30aß</u>	<u>Sample</u>
2020.00	Sh/Clst	337944.2	6657.0	0117-1
2104.80	S/Sst	0.0	0.0	0094-1
2389.00	Sh/Clst	0.0	0.0	0172-1
2407.00	Sh/Clst	0.0	0.0	0150-1
2431.50	S/Sst	633.0	0.0	0087-1
2488.00	Sh/Clst	1339.5	0.0	0158-2
2506.00	Sh/Clst	0.0	0.0	0160-2

Table 13a: Variation in Triaromatic Sterane Distribution (peak height) for Well NOCS 25/8-9

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>
2020.00	Sh/Clst	0.68	0.58	0.40	0.43	0.54	0117-1
2104.80	S/Sst	0.59	0.58	0.31	0.31	0.38	0094-1
2389.00	Sh/Clst	0.52	0.29	0.17	0.25	0.26	0172-1
2407.00	Sh/Clst	0.81	0.77	0.49	0.56	0.56	0150-1
2431.50	S/Sst	0.48	0.32	0.18	0.24	0.29	0087-1
2488.00	Sh/Clst	-	0.50	0.20	-	-	0158-2
2506.00	Sh/Clst	0.32	0.30	0.22	0.16	0.46	0160-2

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 13b: Variation in Monoaromatic Sterane Distribution (peak height) for Well NOCS 25/8-9

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>
2020.00	Sh/Clst	0.22	0.41	0.12	0.18	0117-1
2104.80	S/Sst	0.45	0.34	0.29	0.24	0094-1
2389.00	Sh/Clst	0.17	0.11	0.10	0.08	0172-1
2407.00	Sh/Clst	0.39	0.24	0.25	0.18	0150-1
2431.50	S/Sst	0.25	0.13	0.15	0.10	0087-1
2488.00	Sh/Clst	0.42	0.20	0.12	0.09	0158-2
2506.00	Sh/Clst	0.36	0.19	0.11	0.08	0160-2

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 13c: Aromatisation of Steranes (peak height) for Well NOCS 25/8-9

Depth unit of measure: m

<u>Depth</u>	<u>Lithology</u>	<u>Ratio1</u>	<u>Ratio2</u>	<u>Sample</u>
2020.00	Sh/Clst	0.90	0.20	0117-1
2104.80	S/Sst	0.56	0.81	0094-1
2389.00	Sh/Clst	0.92	0.18	0172-1
2407.00	Sh/Clst	0.91	0.22	0150-1
2431.50	S/Sst	0.92	0.23	0087-1
2488.00	Sh/Clst	0.90	0.28	0158-2
2506.00	Sh/Clst	0.80	0.54	0160-2

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

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

Table 13d: Raw triaromatic sterane data (peak height) m/z 231 for Well NOCS 25/8-9

Depth unit of measure: m

Depth	Lithology	a1	b1	c1	d1	e1	f1	g1	Sample
2020.00	Sh/Clst	233.1	153.7	76.8	197.6	121.4	80.9	109.8	0117-1
2104.80	S/Sst	988.5	968.8	564.0	1636.2	945.2	616.3	690.0	0094-1
2389.00	Sh/Clst	423.6	156.5	454.9	1221.0	404.9	452.2	383.4	0172-1
2407.00	Sh/Clst	270.4	216.1	76.3	215.1	89.5	60.4	63.6	0150-1
2431.50	S/Sst	1079.2	564.5	1309.1	2610.5	1198.3	1049.1	1176.3	0087-1
2488.00	Sh/Clst	0.0	128.6	26.9	147.9	175.0	53.6	126.7	0158-2
2506.00	Sh/Clst	100.4	88.7	15.8	118.1	270.1	54.8	208.5	0160-2

Table 13e: Raw monoaromatic sterane data (peak height) m/z 253 for Well NOCS 25/8-9

Depth unit of measure: m

Depth	Lithology	A1	B1	C1	D1	E1	F1	G1	H1	I1	Sample
2020.00	Sh/Clst	345.5	851.0	426.4	521.3	1234.6	263.8	1289.5	1318.7	429.1	0117-1
2104.80	S/Sst	1099.0	685.6	934.2	696.1	1355.7	320.4	1311.6	913.4	166.6	0094-1
2389.00	Sh/Clst	1938.8	1152.2	4328.5	4544.6	9144.7	1292.8	7492.3	6007.0	1745.1	0172-1
2407.00	Sh/Clst	703.1	338.2	868.7	658.7	1090.0	159.5	1029.1	783.1	222.7	0150-1
2431.50	S/Sst	6699.7	2946.5	12808.3	11614.6	20538.4	3844.7	17523.0	13978.6	4025.6	0087-1
2488.00	Sh/Clst	333.5	112.0	91.9	57.1	458.1	258.5	1985.0	1416.3	322.1	0158-2
2506.00	Sh/Clst	165.0	68.2	57.9	42.1	291.0	184.9	1077.4	765.4	177.7	0160-2

Table 13f: Aromatic Hydrocarbons data (peak height) m/z 178/192 SIR for Well NOCS 25/8-9

Depth unit of measure: m

Depth	Lithology	P	3MP	2MP	9MP	1MP	MPI1	Sample
2020.00	Sh/Clst	13434.2	9251.0	11067.7	10540.6	8082.4	0.95	0117-1
2104.80	S/Sst	70432.1	24792.3	29033.0	37649.3	29765.8	0.59	0094-1
2389.00	Sh/Clst	20967.7	6079.5	6450.0	8652.2	6163.1	0.53	0172-1
2407.00	Sh/Clst	42087.1	10823.2	12943.9	13911.2	10763.5	0.53	0150-1
2431.50	S/Sst	65263.2	15160.0	16025.6	27965.3	21997.7	0.41	0087-1
2488.00	Sh/Clst	114622.5	16206.7	20382.0	31113.5	21395.8	0.33	0158-2
2506.00	Sh/Clst	56887.6	9558.7	11544.9	13391.5	10244.9	0.39	0160-2