

Table 4 : Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 16/1-4

Depth unit of measure: m

Depth	Typ	Lithology	C1	C2-C5	C6-C14	C15+	S2 from Rock-Eval	Sample
1536.00	ccp	Sh/Clst: lt gy to m gy	0.96	55.72	41.86	1.46	6.00	0017-1L
1567.68	ccp	Sh/Clst: drk gy	3.83	18.23	61.22	16.72	5.94	0001-1L
1708.66	ccp	Sh/Clst: drk gy to m gy	4.63	26.44	51.48	17.45	3.40	0012-1L
1723.97	ccp	Sh/Clst: m gy to drk gy	3.48	19.25	54.73	22.54	5.65	0015-1L
1881.00	cut	Sh/Clst: lt gy to m gy	4.15	43.45	42.38	10.02	1.83	0020-1L



Table 5 : Visual Kerogen Composition Data for well NOCS 16/1-4

Depth unit of measure: m

Depth	Typ	Lithology	L	A	L	S	C	R	A	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		%
1536.00	cut	Sh/Clst: lt gy to m gy	NDP	**	*				?		NDP	*				NDP	*			0017-1L	
1567.68	ccp	Sh/Clst: drk gy	70	**	**	*			*		10	*				20	*	**		0001-1L	
1708.66	ccp	Sh/Clst: drk gy to m gy	90	*	*	*			* *		10	*				TR	*	**		0012-1L	
1723.97	ccp	Sh/Clst: m gy to drk gy	70	**	**	*			*		10	*				20	**	*		0015-1L	

Table 6 : Thermal Maturity Data for well NOCS 16/1-4

Depth unit of measure: m

Depth	Typ	Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	T <sub>max</sub> (°C)	Sample
1536.00	cut	Sh/Clst: lt gy to m gy	-	-	-	-	4.5(?)	369	0017-1L
1567.68	ccp	Sh/Clst: drk gy	-	-	-	-	4.0	364	0001-1L
1708.66	ccp	Sh/Clst: drk gy to m gy	-	-	-	-	4.0-4.5	424	0012-1L
1723.97	ccp	Sh/Clst: m gy to drk gy	-	-	-	-	4.5-5.0	423	0015-1L

Table 7. Vitrinite reflectance well 16/1-4

Sample code IFE	Sample depth mRKB	Sample type	Sample lithology	Pop. no.	Vitrinite reflectance %Rm	± std	N	Sample quality	Pre- paration
ST 1371	981.5	swc	slst	1	0.19	0.02	13	-----±	HF
ST 1372	1074.5	swc	slst	1	0.25	0.05	50	-----±	HF
ST 1373	1187.5	swc	slst	1	0.27	0.04	50	000--±	HF
ST 1374	1266.5	swc	clst	1	0.25	0.04	50	-00--±	HF
ST 1375	1354.5	swc	clst	1	0.27	0.03	52	00--±	HF
ST 1376	1405.5	swc	clst	1	0.29	0.04	50	00--±	HF
ST 1377	1461	cut	clst	1	0.31	0.05	50	-----±	HF
ST 1378	1533	cut	clst	1	0.36	0.05	47	-----±	HF
ST 1379	1567.65-68	core	clst	1	0.24	0.05	30	-----	HF
ST 1380	1632	swc	clst	1	-				HF
ST 1381	1696.88-90	core	clst	1	0.31	0.04	17	-----	HF
ST 1382	1721.80-82	core	clst	1	0.28	0.04	14	-----	HF
ST 1383	1764	swc	clst	1	(0.96)	0.10	18	-----	HF
ST 1384	1814	swc	clst	1	0.38	0.04	6	-----±	HF

Legend to table 7.

LEGEND

cut : cuttings sample  
swc : sidewall core sample  
core: core sample  
clst: claystone  
slst: siltstone  
lst : limestone  
Rm : mean random reflectance  
Std: standard deviation  
N : number of readings  
m.a.: Lignitic mud additive  
ST. : Oil staining/bitumen impregnation (reduces reflectivity)

CODE FOR DATA QUALITY

The sample quality is characterized by five items as follows:

ooooo

1 : abundance of vitrinite  
2 : identification of vitrinite  
3 : type of vitrinite  
4 : particle size  
5: particle surface quality

+ : may give a too high vitrinite reflectance value  
o : has no effect on the resulting vitrinite reflectance  
- : may give a too low vitrinite reflectance value

An ideal sample is characterized as follows: ooooo

Table 8 LIGHT HYDROCARBONS FROM WHOLE OIL GC FOR WELL NOCS  
16/1-4, SAMPLE RFT 2A.

<u>Compounds</u>	<u>Percentage</u>
2,3 DMC <sub>4</sub>	0.90
nC <sub>6</sub>	7.13
MSC <sub>5</sub>	3.24
Benzene	5.23
SC <sub>6</sub>	0.00
2MC <sub>6</sub>	3.59
3MC <sub>6</sub>	2.89
1C3DMSC <sub>5</sub>	0.90
1T3DMSC <sub>5</sub>	0.85
1T2DMSC <sub>5</sub>	1.78
nC <sub>7</sub>	8.53
MSC <sub>6</sub>	10.46
Toluene	8.20
nC <sub>8</sub>	3.14
M+P xylene	2.10

Total percentage of identified compounds: 58.94 %.

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
	RFT	2A	-	42.8	29.7	5.1	0.9	7.1	34.8	8.0	-	0030-0B
1536.00	cut	Sh/Clst: lt gy to m gy	2.5	25.5	0.3	0.5	1.9	22.8	0.8	24.7	1.06	0017-1L
1553.52	ccp	S/Sst : lt or to w	10.0	54.3	0.8	0.5	9.8	43.2	1.3	53.0	0.26	0005-1L
1567.68	ccp	Sh/Clst: drk gy	3.6	12.1	0.6	0.5	5.1	5.9	1.1	11.0	1.72	0001-1L
1590.67	ccp	S/Sst : lt or to w	11.0	127.8	1.3	0.7	36.7	89.1	2.0	125.8	0.26	0002-1L
1723.97	com	Composite sample - see table 9 e	6.2	12.5	0.7	1.1	5.6	5.1	1.8	10.7	1.46	0044-0B
1864.00	eom	Other	-	3.8*	-	-	-	-	-	-	-	0039-1L
1872.00	eom	Other	-	7.4*	-	-	-	-	-	-	-	0040-1L
1872.00	com	Composite sample - see table 9 e	21.4	97.0	6.1	3.5	6.9	80.5	9.6	87.4	-	0043-0B
1881.00	cut	Sh/Clst: lt gy to m gy	3.7	18.8	2.4	1.0	5.7	9.7	3.4	15.4	0.51	0020-1L
1881.00	eom	bulk	7.7	36.7	1.3	0.2	7.3	27.9	1.5	35.2	-	0041-0B
1881.00	eom	Other	-	6.1*	-	-	-	-	-	-	-	0041-1L
1888.00	eom	Other	-	3.0*	-	-	-	-	-	-	-	0042-1L
1888.00	eom	Other	15.9	40.6	4.2	2.2	2.4	31.8	6.4	34.2	-	0042-1L

\* Gravimetric determined weights, sent by Statoil

Schlumberger

GECO-PRAKLA

GEOLAB NOR

Table 9 b: Concentration of EOM and Chromatographic Fraction (wt ppm rock) for well NOCS 16/1-4

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
	RFT	2A	-	-	-	-	-	-	-	0030-0B
1536.00	cut	Sh/Clst: lt gy to m gy	10200	120	200	760	9120	320	9880	0017-1L
1553.52	ccp	S/Sst : lt or to w	5430	80	50	980	4320	130	5300	0005-1L
1567.68	ccp	Sh/Clst: drk gy	3379	167	139	1424	1648	307	3072	0001-1L
1590.67	ccp	S/Sst : lt or to w	11649	118	63	3345	8122	182	11467	0002-1L
1723.97	com	Composite sample - see table 9 e	2029	113	178	909	827	292	1737	0044-0B
1864.00	eom	Other	-	-	-	-	-	-	-	0039-1L
1872.00	eom	Other	-	-	-	-	-	-	-	0040-1L
1872.00	com	Composite sample - see table 9 e	4532	285	163	322	3761	448	4084	0043-0B
1881.00	cut	Sh/Clst: lt gy to m gy	5108	652	271	1548	2635	923	4184	0020-1L
1881.00	eom	bulk	4784	169	26	951	3637	195	4589	0041-0B
1881.00	eom	Other	-	-	-	-	-	-	-	0041-1L
1888.00	eom	Other	-	-	-	-	-	-	-	0042-1L
1888.00	eom	Other	2556	264	138	151	2002	403	2153	0042-1L



Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
	RFT	2A	-	-	-	-	-	-	-	0030-0B
1536.00	cut	Sh/Clst: lt gy to m gy	962.26	11.32	18.87	71.70	860.38	30.19	932.08	0017-1L
1553.52	ccp	S/Sst : lt or to w	2088.46	30.77	19.23	376.92	1661.54	50.00	2038.46	0005-1L
1567.68	ccp	Sh/Clst: drk gy	196.51	9.74	8.12	82.82	95.82	17.86	178.64	0001-1L
1590.67	ccp	S/Sst : lt or to w	4480.75	45.58	24.54	1286.73	3123.90	70.12	4410.63	0002-1L
1723.97	com	Composite sample - see table 9 e	138.99	7.78	12.23	62.27	56.71	20.01	118.97	0044-0B
1864.00	eom	Other	-	-	-	-	-	-	-	0039-1L
1872.00	eom	Other	-	-	-	-	-	-	-	0040-1L
1872.00	com	Composite sample - see table 9 e	-	-	-	-	-	-	-	0043-0B
1881.00	cut	Sh/Clst: lt gy to m gy	1001.70	127.88	53.28	303.71	516.84	181.16	820.55	0020-1L
1881.00	eom	bulk	-	-	-	-	-	-	-	0041-0B
1881.00	eom	Other	-	-	-	-	-	-	-	0041-1L
1888.00	eom	Other	-	-	-	-	-	-	-	0042-1L

Table 9 d: Composition of material extracted from the rock (%) for well NOCS 16/1-4

Depth unit of measure: m

Depth	Typ	Lithology	Sat	Aro	Asph	NSO	HC	Non-HC	Sat	HC	Sample
			EOM	EOM	EOM	EOM	EOM	EOM	Aro	Non-HC	
	RFT	2A	69.39	11.92	2.10	16.59	81.31	18.69	582.35	435.00	0030-0B
1536.00	cut	Sh/Clst: lt gy to m gy	1.18	1.96	7.45	89.41	3.14	96.86	60.00	3.24	0017-1L
1553.52	ccp	S/Sst : lt or to w	1.47	0.92	18.05	79.56	2.39	97.61	160.00	2.45	0005-1L
1567.68	ccp	Sh/Clst: drk gy	4.96	4.13	42.15	48.76	9.09	90.91	120.00	10.00	0001-1L
1590.67	ccp	S/Sst : lt or to w	1.02	0.55	28.72	69.72	1.56	98.44	185.71	1.59	0002-1L
1723.97	com	Composite sample - see table 9 e	5.60	8.80	44.80	40.80	14.40	85.60	63.64	16.82	0044-0B
1864.00	eom	Other	-	-	-	-	-	-	-	-	0039-1L
1872.00	eom	Other	-	-	-	-	-	-	-	-	0040-1L
1872.00	com	Composite sample - see table 9 e	6.29	3.61	7.11	82.99	9.90	90.10	174.29	10.98	0043-0B
1881.00	cut	Sh/Clst: lt gy to m gy	12.77	5.32	30.32	51.60	18.09	81.91	240.00	22.08	0020-1L
1881.00	eom	bulk	3.54	0.54	19.89	76.02	4.09	95.91	650.00	4.26	0041-0B
1881.00	eom	Other	-	-	-	-	-	-	-	-	0041-1L
1888.00	eom	Other	-	-	-	-	-	-	-	-	0042-1L
1888.00	eom	Other	10.34	5.42	5.91	78.33	15.76	84.24	190.91	18.71	0042-1L

Depth unit of measure: m

NOTE: Depths shown in tables 9 a to d correspond to the composite samples' lower depth.

<u>Upper depth</u>	<u>Lower depth</u>	<u>Typ</u>	<u>Sample</u>	<u>Depth</u>	<u>Typ</u>	<u>Lithology</u>	<u>Sample</u>
1708.66	1723.97	com	0044-0B is composed of:	1708.66	ccp	Sh/Clst: drk gy to m gy, slt	0012-1L
				1723.97	ccp	Sh/Clst: m gy to drk gy, slt	0015-1L
1864.00	1872.00	com	0043-0B is composed of:	1864.00	eom	Other	0039-1L
				1872.00	eom	Other	0040-1L



Table 10: Saturated Hydrocarbon Ratios for well NOCS 16/1-4

Depth unit of measure: m			Pristane	Pristane	Pristane/nC17	Phytane		nC17	
Depth	Typ	Lithology	nC17	Phytane	Phytane/nC18	nC18	CPI1	nC17+nC27	Sample
	RFT	2A	0.57	2.14	1.31	0.44	-	1.00	0030-0B
1536.00	cut	Sh/Clst: lt gy to m gy	0.55	1.59	1.32	0.41	5.38	0.78	0017-1L
1553.52	ccp	S/Sst : lt or to w	-	-	-	-	-	-	0005-1L
1567.68	ccp	Sh/Clst: drk gy	4.04	3.64	3.43	1.18	1.11	0.62	0001-1L
1590.67	ccp	S/Sst : lt or to w	-	-	-	-	-	-	0002-1L
1723.97	com	bulk	2.83	0.87	0.95	2.97	1.81	0.83	0044-0B
1872.00	com	bulk	0.45	0.95	1.08	0.42	1.06	0.79	0043-0B
1881.00	cut	Sh/Clst: lt gy to m gy	0.53	1.22	1.21	0.44	1.19	0.88	0020-1L
1888.00	eom	Other	0.50	0.87	0.96	0.52	1.06	0.81	0042-1L

Table 11a: Aromatic Hydrocarbon Ratios for well NOCS 16/1-4

Depth unit of measure: m

Depth	Typ	Lithology	MNR	DMNR	BPhR	2/1MP	MPI1	MPI2	Rc	DBT/P	4/1MDBT (3+2) /1MDBT	Sample	
		RFT 2A	1.35	1.44	0.32	0.86	0.72	0.72	0.83	0.74	4.08	1.05	0030-0B
1536.00	cut	Sh/Clst: lt gy to m gy	-	-	-	1.49	0.49	0.99	0.69	-	-	-	0017-1L
1553.52	ccp	S/Sst : lt or to w	-	-	-	-	-	-	-	-	-	-	0005-1L
1567.68	ccp	Sh/Clst: drk gy	-	-	-	-	0.98	-	0.99	-	0.18	0.31	0001-1L
1590.67	ccp	S/Sst : lt or to w	-	-	-	-	-	-	-	-	-	-	0002-1L
1723.97	com	bulk	-	-	-	-	-	-	-	-	-	-	0044-0B
1872.00	com	bulk	-	-	-	0.78	0.87	0.71	0.92	0.32	2.86	0.92	0043-0B
1881.00	cut	Sh/Clst: lt gy to m gy	-	0.77	-	0.75	0.66	0.72	0.80	0.39	4.16	0.80	0020-1L
1888.00	eom	Other	-	0.81	-	0.81	0.60	0.61	0.76	-	3.45	0.83	0042-1L



Table 11b: Aromatic Hydrocarbon Ratios for well NOCS 16/1-4

Depth unit of measure: m

Depth	Typ	Lithology	F1	F2	Sample
	RFT	2A	0.46	0.23	0030-0B
1536.00	cut	Sh/Clst: lt gy to m gy	0.40	0.40	0017-1L
1553.52	ccp	S/Sst : lt or to w	-	-	0005-1L
1567.68	ccp	Sh/Clst: drk gy	0.51	-	0001-1L
1590.67	ccp	S/Sst : lt or to w	-	-	0002-1L
1723.97	com	bulk	-	-	0044-0B
1872.00	com	bulk	0.49	0.20	0043-0B
1881.00	cut	Sh/Clst: lt gy to m gy	0.40	0.22	0020-1L
1888.00	eom	Other	0.43	0.22	0042-1L

Table 12A: Variation in Triterpane Distribution (peak height) SIR for Well NOCS 16/1-4

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
RFT 2A	Oil	0.95	0.49	0.16	0.77	0.43	0.03	0.04	0.06	0.04	0.13	0.90	0.44	0.12	60.75	0030-0
1536.00	Sh/Clst	2.77	0.73	0.18	0.57	0.36	-	0.16	0.28	0.14	0.36	0.78	0.39	0.33	47.93	0017-1
1567.68	Sh/Clst	5.91	0.86	0.24	0.38	0.27	-	0.20	0.53	0.17	0.17	0.82	0.42	0.53	-	0001-1
1723.97	bulk	2.64	0.72	0.12	0.35	0.26	-	0.02	0.07	0.02	0.03	0.80	0.35	0.43	28.36	0044-0
1872.00	bulk	1.08	0.52	0.15	0.53	0.35	0.07	0.22	0.41	0.18	0.15	0.93	0.37	0.10	60.76	0043-0
1881.00	Sh/Clst	1.32	0.57	0.16	0.47	0.32	0.06	0.25	0.54	0.20	0.05	0.93	0.34	0.11	59.39	0020-1
1888.00	Other	1.28	0.56	0.14	0.45	0.31	0.06	0.24	0.55	0.20	0.10	0.92	0.32	0.11	61.16	0042-1

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 16/1-4

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>
RFT 2A	Oil	0.70	43.71	71.64	1.29	0.74	0.44	0.33	0.56	0.78	2.24	0030-0
1536.00	Sh/Clst	0.75	29.28	63.11	1.28	0.74	0.78	0.67	0.46	0.41	1.21	0017-1
1567.68	Sh/Clst	0.08	6.76	37.49	0.82	0.82	0.33	0.26	0.23	0.07	0.32	0001-1
1723.97	bulk	0.06	4.92	36.49	0.60	0.85	0.07	0.06	0.22	0.05	0.30	0044-0
1872.00	bulk	0.66	42.20	74.57	1.00	0.78	0.31	0.21	0.59	0.73	2.54	0043-0
1881.00	Sh/Clst	0.58	40.74	73.43	0.89	0.77	0.29	0.20	0.58	0.69	2.33	0020-1
1888.00	Other	0.62	43.31	69.95	0.97	0.73	0.27	0.19	0.54	0.76	2.05	0042-1

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:  $27d\beta S + 27d\beta R + 27daS + 27daR / 29d\beta S + 29d\beta R + 29daS + 28\beta\beta R$

Ratio 5:  $29\beta\beta R + 29\beta\beta S / 29\beta\beta R + s + 29aaS$

Ratio 6:  $21a + 22a / 21a + 22a + 29aaS + 29\beta\beta R + 29\beta\beta S + 29aaR$

Ratio 7:  $21a + 22a / 21a + 22a + 27\beta\beta S + 28aaS + 28\beta\beta R + 29aaS + 29\beta\beta R + 29\beta\beta S + 29aaR$

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:  $29\beta\beta R + 29\beta\beta S / 29aaR$

Depth unit of measure: m

Depth	Lithology	23/3	24/3	25/3	24/4	26/3	27Ts	27Tm	28aβ	25nor30aβ	Sample
		29aβ	29Ts	30d	29βa	300	30aβ	30βa	30G	31aβS	
		31aβR	32aβS	32aβR	33aβS	33aβR	34aβS	34aβR	35aβS	35aβR	
RFT 2A	Oil	398304.5 1216821.9 374193.0	208929.4 333151.4 310370.1	100072.0 52898.0 200539.5	192293.3 153643.3 189878.2	74039.8 0.0 108312.3	354572.3 1583134.5 85445.5	338550.5 169376.8 53385.8	70606.3 0.0 71193.6	114624.0 542601.1 39490.7	0030-0
1536.00	Sh/Clst	67207.4 41307.5 94534.7	26368.8 0.0 7898.7	7272.1 0.0 8581.1	6318.9 17465.1 6716.3	2628.1 0.0 4772.0	7475.4 72320.7 3371.3	20681.9 20009.8 2102.6	11714.8 0.0 0.0	0.0 16471.9 0.0	0017-1
1567.68	Sh/Clst	59869.5 62334.0 193266.8	27635.5 0.0 0.0	26236.1 0.0 0.0	12053.4 84252.6 0.0	3322.6 0.0 0.0	10638.8 164379.0 0.0	62910.3 36441.1 0.0	33124.3 0.0 0.0	0.0 11650.3 0.0	0001-1
1723.97	bulk	28094.8 269670.1 178479.5	20896.4 0.0 26472.8	18258.8 0.0 66880.6	21073.3 255816.8 17410.4	5837.5 0.0 68119.4	48508.8 768701.0 5458.6	127878.1 189749.7 16988.9	17840.0 0.0 11129.0	0.0 40844.9 55379.3	0044-0
1872.00	bulk	580894.3 1217021.5 759603.7	334053.8 399329.5 695564.0	168622.7 152721.8 449219.5	250240.0 186896.8 553327.9	109369.3 0.0 355997.9	392496.9 2277921.3 278511.1	424620.7 161265.0 171073.8	500725.9 0.0 237951.5	109700.0 1053802.9 154780.6	0043-0

Table 12c: Raw triterpane data (peak height) m/z 191 SIR for Well NOCS 16/1-4

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	
1881.00	Sh/Clst	51801.3	32568.8	14846.6	44640.4	9175.2	106489.6	140209.0	167118.2	9698.6	0020-1
		311141.1	108892.3	42471.6	54817.8	0.0	661097.4	48524.3	0.0	315496.8	
		226074.8	179346.7	122643.3	133262.3	85706.3	59629.3	39586.8	48964.4	28805.2	
1888.00	Other	773354.0	416448.6	203329.5	354247.8	121861.4	580114.0	742395.0	1049564.3	0.0	0042-1
		1921339.0	708418.0	260603.5	320816.0	0.0	4299186.0	364235.5	0.0	2110169.0	
		1435123.6	1401570.0	890104.0	1186255.3	726291.1	596348.5	357098.3	563354.5	353788.5	

Table 12D: Raw triterpane data (peak height) m/z 177 for Well NOCS 16/1-4

Depth unit of measure: m

<u>Depth</u>	<u>Lithology</u>	<u>25nor28aß</u>	<u>25nor30aß</u>	<u>Sample</u>
RFT 2A	Oil	40463.1	75491.5	0030-0
1536.00	Sh/Clst	5173.9	2476.8	0017-1
1567.68	Sh/Clst	26655.6	0.0	0001-1
1723.97	bulk	18810.6	0.0	0044-0
1872.00	bulk	153178.3	62276.1	0043-0
1881.00	Sh/Clst	25174.5	0.0	0020-1
1888.00	Other	203409.2	0.0	0042-1

Depth unit of measure: m

Depth	Lithology	21a	22a	27dBS	27dBR	27daS	27daR	28dBS	28dBR	28daS *	Sample
		29dBS	27BS *	27aaR	29dBR	29daS	28aaS	28BS *	28BS		
		28aaR	29aaS	29BSR	29BS	29aaR					
RFT 2A	Oil	283133.8	118781.6	335265.1	200804.8	73924.0	79315.0	131282.7	74481.6	83271.6	0030-0
		274792.8	160354.7	143596.2	122363.8	45067.2	51431.0	91186.8	103273.9		
		48707.8	100404.8	161272.2	128904.4	129298.6					
1536.00	Sh/Clst	35443.4	9887.7	11889.4	6335.3	2166.7	2796.1	3874.6	2425.5	2422.5	0017-1
		7173.5	4058.7	3876.9	5255.9	2157.3	2000.9	3476.2	2999.1		
		1830.9	2066.8	4025.3	2012.8	4990.9					
1567.68	Sh/Clst	74187.6	21537.2	10853.7	6024.0	55691.5	11240.9	7632.3	8336.8	37310.6	0001-1
		19699.7	16394.1	117032.2	37619.3	7535.0	28922.7	37567.6	8792.4		
		99802.1	10123.7	44926.8	0.0	139696.4					
1723.97	bulk	78854.3	17587.8	56622.6	54571.4	35631.7	95445.8	39023.0	24795.5	299701.0	0044-0
		69685.3	48798.0	944983.6	73891.1	47810.6	42491.2	209075.6	38209.8		
		616740.4	47537.8	277707.5	0.0	919010.4					
1872.00	bulk	696298.2	348788.3	1193856.6	726220.3	296888.6	284988.9	522208.7	297462.8	540885.8	0043-0
		1240066.6	737900.2	613484.2	515966.5	212232.5	309534.7	523208.4	549649.8		
		265779.3	393527.0	767271.1	600465.6	539111.5					

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

Depth unit of measure: m

Depth	Lithology	21a	22a	27d $\beta$ S	27d $\beta$ R	27daS	27daR	28d $\beta$ S	28d $\beta$ R	28daS *	Sample
		29d $\beta$ S	27 $\beta$ $\beta$ S *	27aaR	29d $\beta$ R	29daS	28aaS	28 $\beta$ $\beta$ R *	28 $\beta$ $\beta$ S		
		28aaR	29aaS	29 $\beta$ $\beta$ R	29 $\beta$ $\beta$ S	29aaR					
1881.00	Sh/Clst	125044.6 189126.6 59687.1	58518.1 128674.5 78028.5	171904.6 123728.5 150094.3	102578.3 80112.2 114600.6	38902.2 32877.6 113495.6	44998.6 59005.3	71681.7 100057.7	42780.4 98534.5	50663.4	0020-1
1888.00	Other	1144226.5 2008676.3 611370.3	532382.8 1162852.3 918014.5	1936199.5 1209444.3 1415004.5	1177086.5 913508.3 1052148.9	477161.8 332253.5 1201685.8	462235.3 638934.3	859887.0 928513.5	486819.2 970263.1	1084658.6	0042-1

\* 28daS coel with 27aaS, 27 $\beta$  $\beta$ S coel with 28daR, 28 $\beta$  $\beta$ R coel with 29daR

Table 12F: Raw sterane data (peak height) m/z 218 for Well NOCS 16/1-4

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
RFT 2A	Oil	282711.4	206948.6	134591.3	141055.3	222862.2	198952.3	27301.5	23578.3	0030-0
1536.00	Sh/Clst	6910.3	5158.0	3497.4	3545.8	4272.6	4766.8	2320.5	0.0	0017-1
1567.68	Sh/Clst	16895.9	7556.2	22137.2	14460.7	32641.3	14712.9	15788.2	0.0	0001-1
1723.97	bulk	59790.0	29446.4	114773.6	60037.0	146304.0	70807.9	32010.8	25889.7	0044-0
1872.00	bulk	1242426.4	970910.4	773295.4	785022.9	983321.2	923145.1	216148.6	201725.6	0043-0
1881.00	Sh/Clst	198872.1	157170.6	126970.1	127085.3	172112.3	156998.5	31935.0	30354.6	0020-1
1888.00	Other	1956490.9	1578913.5	1326067.0	1277262.9	1759295.0	1631806.1	420847.5	383167.5	0042-1



Table 13A: Tabulation of carbon isotope data for EOM/EOM - fractions for well NOCS 16/1-4

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>
1536.00	ccp	Sh/Clst	-28.80	-	-	-28.62	-28.49	-	0017-1
1567.68	ccp	Sh/Clst	-	-	-	-27.04	-27.29	-	0001-1
1708.66	ccp	Sh/Clst	-	-	-	-	-	-27.51	0012-1
1723.97	com	Composite sample	-30.43	-	-	-30.25	-29.35	-	0044-0
1872.00	com	Composite sample	-28.50	-28.85	-28.10	-28.76	-28.32	-	0043-0
1881.00	cut	Sh/Clst	-28.32	-	-	-26.92	-28.15	-	0020-1
1888.00	eom	Other	-28.51	-28.69	-28.03	-28.21	-28.25	-	0042-1

Table 13A: Tabulation of carbon isotope data on oils for NOCS 16/1-4

<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>
	RFT 2A	-27.65	-28.14	-28.27	-27.41	-27.98	-	I76/0030

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>
1536.00	ccp	Sh/Clst	-	-	-	0017-1
1567.68	ccp	Sh/Clst	-	-	-	0001-1
1708.66	ccp	Sh/Clst	-	-	-	0012-1
1723.97	com	Composite sample	-	-	-	0044-0
1872.00	com	Composite sample	-28.85	-28.10	-1.04	0043-0
1881.00	cut	Sh/Clst	-	-	-	0020-1
1888.00	eom	Other	-28.69	-28.03	-1.29	0042-1

Table 13B: Tabulation of cv values from carbon isotope data for NOCS 16/1-4

<u>Well</u>	<u>Descript.</u>	<u>Saturated</u>	<u>Aromatic</u>	<u>cv value</u>	<u>Sample</u>
	RFT 2A	-28.27	-27.41	-0.98	I76/0030

- 1-

Table 14 a: C1 to C7 hydrocarbons in RFT gas

Project: 16/1-4  
Well: NOCS 16/1-4  
Depth unit of measure: m

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4 --- nC4
1867.00	262532	28880	17421	2426	4588	1209	315847	53315	16.9	0.53

Table 14 b: Isotope GC Analysis of Gas for Well 16/1-4 FMT 3C.

Depth unit of measure: m

<u>Depth</u>	<u>n-C1</u>	<u>n-C2</u>	<u>n-C3</u>	<u>i-C4</u>	<u>n-C4</u>
1867.5	-45.1	-28.8	-26.8	-26.2	-26.8

Table 15. API-gravity for FMT ZC 331461, Well NOCS 16/1-4

Density	API-gravity
759.8 kg/m <sup>3</sup>	54.7

Density measured with an AP Paar instrument at 15 C