Depth m MD RKB	Sample Size	Shut-in pressure (bar)	Opening pressure (bar)	Pump Vol. Litres	Avg. Pump Draw down (bar)	Mobility (mD/cp)	Comments
1773 m Water sample	2 .75 gal			71,9	0,5	748,7	Transferred to 1 l plastic bottles
	1 gal	283,0	180,0	83,6	1,8	748,7	
1746 m HC sample	2.75 gal	282,0	280,0	31,0	8.0	96,2	Filled cylinders with gas for geochemical tests
	2.75 gal	284,0		52,0	8,0	96,2	
	1,0 gal	82,0	1,0	60,3	8,0	96,2	
	250 cc	272,0		62,0	8,0	96,2	Drained offshore for analysis
	250 cc	272,0		63,8	8,0	96,2	
	250 cc	278,0		64,9	8,0	96,2	
1747,0 m HC sample	18 gal			14,5	11,0	43,9	Transferred offshore to Jerry cans apprx. 62 l
1747.4m HC sample	18 gal			18,1	15,0	53,1	Transferred offshore to Jerry cans apprx. 63 l
1686,9 m water sample	1 gal	265,0	150,0	38,0	20,0	37,4	Transferred to PVT bottles

MDT run 1A, 1B, 1C, 1E and 1F

Test no	Depth m MD	Depth m TVDRT	Hydrost. pressure before - BAR	Hydrost. pressure after - BAR	Formation pressure BAR	Mobility mD/cp	Temp Deg C.	Comments
Run 1A								
1	1559.5	1559.2					27.8	Tight
2	1561	1560.7					29.4	Tight
3	1687	1686.7	212.4	212.4	170.7	31	36.6	Good, water sample
4	1688	1687.7	212.5	212.5	170.8	6	38	Poor
5	1690	1689.7	212.7		171.0	7	40.8	Poor
6	1737.5	1737.2	218.8	218.6	177.7	4	42.3	Tight
7	1743	1742.7	219.3	219.2	178.3		43.3	Superch
8	1748	1747.7	219.9	219.9	177.6	400	44.4	Very Good
9	1750	1749.7	220.1				44.9	Lost Seal
10	1750	1749.7	220.1	220.1	177.8	207	45.2	Good
11	1753	1752.7	220.5	220.5	178.1	235	45.6	Good
12	1755	1754.7	220.8	220.7	178.3	561	46	Very Good
13	1757	1756.7	221.0	221.0	178.5	46	46.2	Very Good
14	1807.5	1807.2	227.4	227.3	182.2	1123	47	Very Good, water sample attempt
15	1819	1818.7	228.7	228.7	183.3	1804	48.5	Very Good
16	1823	1822.7	229.2	229.2	183.7	2953	49	Very Good
17	1855.5	1855.2	233.3	233.3	186.8	6255	49.7	Very Good
18	1889.5	1889.2	237.5	237.5	190.2	412	50.6	Very Good
19	1940	1939.7	243.9	243.7	196.2	172	51.9	Very Good
20	1976	1975.7	248.2	248.2	198.6	1887	53.5	Very Good
21	2005.5	2005.2	252.0	251.9	201.6	32	54.8	Very Good
22	2069	2068.7	259.9	259.8	207.8	1038	56.9	Very Good
23	2120	2119.7	266.1	266.1	212.9	19	59.1	Very Good
24	2175	2174.7	273.0	273.0	218.4		61.4	Very Good
Run 1B								
1	1773	1772.7	223.02	223.03	178.8	12	53.5	Very Good, water sample.
Run 1C								
1	1746	1745.7			178.9	96	51.2	HC samples
Run 1E								
1	1747	1746.7					54	HC sample, 18 gal
Run 1F								
1	1747.4	1747.1			177.3	44	54.1	HC sample, 18 gal
2	1686.9	1686.6			170.4	23	53.4	Water sample 1 Gallon

Well: 6608/11-2
Field: Exploration
Rig: West Navion

DRILLING FLUIDS PROGRAMME

HOLE SIZE	HOLE TVD MD	CASING SIZE	CASING TVD MD	MUD TYPE	MW [SG]	LGS [KG/m³]	10 sec. [Pa]	10 min. [Pa]	Fann 100 rpm	Fann 3 rpm	O / W ratio	PV [mPa]	API FL [ml]	HTHP FL [ml]	MBT [KG/m³]	pH	Kcl [KG/m³]	Glyc. [%]	ES	DFE [%]	Total Volume Old Volume New Volume Usage [m³]
36"	448 448	30"	447,5 447,5	seawater w/ bentonite	1.03 -1.05 1.35 (displ.fl	>100 >60 (displ.fl.)				12 - 20						9 - 10					638 260 378 137
				Comments:																	
12 1/4"	1254 1254	9 5/8"	1249 1249	seawater w/ bentonite	1.03 -1.05 1.3 (displ.fl)	>100 >60 (displ.fl.)				12 - 20						9 - 10					806 501 806 806
				Comments:																	
8 1/2"	2215 2215			Glydril WBM	1.25 - 1.26+		3-6.5	3.5 - 8.5		5 - 12		12-21	2 - 2.4		7 - 11	7.5 - 8.5	140 - 170	4.5 - 5			368 0 368 113
				Comments:																	

STATOIL

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SUMMARY

Well 6608/11-2 was drilled offshore Mid-Norway using GLYDRILL (i.e. containing glycols) water-based mud. The well was an oil discovery, and wireline fluid samples (oil and gas) were analysed

1 INTRODUCTION

This report presents the results of a geochemical evaluation of the 6608/11-2 oil discovery well (Falk prospect), drilled offshore Mid-Norway (Figure 1). The well section is vertical and was drilled using GLYDRILL (i.e. containing glycols) water-based mud.

The total numbers of analyses carried out during the course of the study are as follows:

Analysis	Cuttings	Core	SWC	Oil	Gas	Mud	Total
Sample preparation	38	11	23				72
TOC content	38	1	23				62
Rock-Eval pyrolysis	38	11	23				72
Vitrinite reflectance	4	1	11				16
Kerogen description	2	1	15				18
Pyrolysis-GC	7	1	5				13
Solvent extraction	38	12	15			3	68
Asphaltene precipitation	7	11	5	1		1	25
MPLC separation	7	11	5	1		1	25
Iatroscan		11	4	1			16
Whole oil/extract GC		1		1		3	5
Saturates GC	7	11	5	1		1	25
Aromatic GC				1			1
Saturates GC-MS	1	3	4	1		1	10
Aromatic GC-MS				1			1
Carbon isotopes	1	3	4	1		1	10
Gas composition					1		1
Gas isotopes					1		1

Full details of the analytical programme on a sample-by-sample basis are presented in Table 1. The analyses were carried out by Geolab Nor, with the exception of vitrinite reflectance and gas analyses, which were carried out by IFE. All analytical work was performed in accordance with the guidelines given in "The Norwegian Industry Guide to Organic Geochemical Analyses, 3rd edition (1993)". The analytical data are presented in Appendix 1.

Formation	Sample Depth	Sample Type	Lithology Description	Vitrinite Reflectance	Kerogen Description	TOC Content	Rock-Eval	Pyrolysis-GC	Whole Oil/ Extract GC	Solvent Extraction	Bulk Composition	Saturate GC	Aromatic GC	Saturate GC-MS	Aromatic GC-MS	Carbon Isotopes	Gas Composition	Gas Isotopes
Rock Samples																		
	1402	SWC	x	x	x	*	*											
	1435	SWC	x		x	*	*											
	1537	SWC	x	x	x	*	*											
	1584	SWC	x	x	x	*	*											
	1614	SWC	x	x	x	x	x	x		x	x	x		x		x		
	1615	SWC	x			x	x			x								
	1631	Ctgs	x			x	x			x								
	1636	SWC	x		x	x	x			x								
	1637	Ctgs	x			x	x			x								
	1640	Ctgs	x			x	x			x								
	1643	Ctgs	x			x	x	x		x	x	x						
	1646	Ctgs	x			x	x			x								
	1652	SWC	x			x	x			x								
	1658	Ctgs	x			x	x			x								
	1660	SWC	x			x	x			x								
	1661	Ctgs	x			x	x			x								
	1667	Ctgs	x			x	x			x								
	1670	Ctgs	x			x	x			x								
	1673	Ctgs	x			x	x			x								
	1679	Ctgs	x			x	x			x								
	1682	Ctgs	x			x	x	x		x	x	x						
	1691	Ctgs	x			x	x			x								
	1697	SWC	x		x	x	x			x								
	1700	Ctgs	x			x	x	x		x	x	x						
	1702.5	SWC	x			x	x			x								
	1703	Ctgs	x			x	x			x								
	1706	Ctgs	x			x	x			x								
	1709	Ctgs	x			x	x			x								
	1718	Ctgs	x			x	x			x								
	1724	Ctgs	x			x	x			x								
	1730	Ctgs	x			x	x			x								
	1731	SWC	x	x	x	x	x	x		x	x	x		x		x		
	1733	Ctgs	x			x	x			x								
	1736	Ctgs	x			x	x			x								
	1737	SWC	x		x	x	x			x								
	1742.1	Core	x				x			x	x	x		x		x		
	1742.5	Core	x	x	x	x	x	x		x	x	x						
	1744.25	Core	x				x			x	x	x						
	1748.77	Core	x				x			x	x	x						
	1751.57	Core	x				x			x	x	x						
	1754.49	Core	x				x			x	x	x						
	1757.37	Core	x				x			x	x	x		x		x		
	1759	Core							x	x								
	1759.95	Core	x				x			x	x	x						
	1760.67	Core	x				x			x	x	x		x		x		
	1763.22	Core	x				x			x	x	x						
	1765.08	Core	x				x			x	x	x						
	1787	Ctgs	x	x		x	x	x		x	x	x						
	1794.5	SWC	x			x	x			x								
	1798	SWC	x			x	x	x		x	x	x		x		x		

Table 1 Geochemical analytical programme

	Sample Depth	Sample Type	Lithology Description	Vitrinite Reflectance	Kerogen Description	TOC Content	Rock-Eval	Pyrolysis-GC	Whole Oil/ Extract GC	Solvent Extraction	Bulk Composition	Saturate GC	Aromatic GC	Saturate GC-MS	Aromatic GC-MS	Carbon Isotopes	Gas Composition	Gas Isotopes
	1811	Ctgs	x			x	x			x								
	1815.5	SWC	x	x	x	x	x			x								
	1826	Ctgs	x			x	x			x								
	1838	Ctgs	x			x	x			x								
	1841	SWC	x			x	x			x								
	1865	Ctgs	x			x	x			x								
	1895	SWC	x	x	x	*	*											
	1898	Ctgs	x			x	x	x		x	x	x						
	1904	Ctgs	x			x	x			x								
	1922	Ctgs	x			x	x	x		x	x	x						
	1949	Ctgs	x			x	x			x								
	1964	Ctgs	x	x		x	x			x								
	1994	Ctgs	x			x	x	x		x	x	x		x		x		
	2036	Ctgs	x			x	x			x								
	2050.5	SWC	x	x	x	*	*											
	2081	Ctgs	x			x	x			x								
	2093	SWC	x		x	x	x	x		x	x	x						
	2108	Ctgs	x			x	x			x								
	2127	SWC	x	x	x	x	x	x		x	x	x		x		x		
	2147	Ctgs	x	x	x	x	x			x								
	2182	SWC	x	x	x	*	*											
	2206	SWC	x	x		*	*											
	2215	Ctgs	x	x	x	x	x			x								
Wireline samples																		
	1747	Oil, gas							x		x	x	x	x	x	x	x	x
Mud samples																		
	1700	Mud							x	x	x	x		x		x		
	1765	Mud							x	x								
	2057	Mud							x	x								
			72	16	18	62	72	13	5	68	25	25	1	10	1	10	1	1

* These samples were analysed erroneously by Geolab Nor. The samples have not been flagged in Table 1 of the Rock Samples section of the data report (Appendix 1), although the data are reported in Table 5 of that report.

Table 1 Geochemical analytical programme

Formation	Depth	Sample Type	22S	TSTM	TTX	30D	30AB-HOP	28AB	TRICY	TETRACY	35H_34H	29H_30H	DEMET
Source rock samples													
	1614	SWC	0.36	0.31	0.29	0.10	0.66	0.09	0.14	0.19	0.62	0.76	0.41
	1731	SWC	0.36	0.73	0.09	0.07	0.26	0.07	0.04	0.09	-	1.03	0.36
	1798	SWC	0.11	0.59	0.00	0.00	0.79	0.54	0.03	0.06	0.48	1.36	0.18
	1994	Ctgs	0.14	0.63	0.09	0.08	1.00	0.56	0.01	0.03	1.41	1.31	0.55
	2127	SWC	0.15	0.95	0.16	0.07	0.71	0.08	0.02	0.07	8.44	0.55	0.25
Oil and oil stain samples													
	1742.1	Core	0.57	0.98	1.87	0.25	0.90	0.26	0.43	0.41	0.78	0.62	1.18
	1747	Oil	0.55	0.92	1.87	0.24	0.89	0.25	0.24	0.26	0.83	0.56	1.13
	1757.37	Core	0.54	0.96	1.84	0.30	0.88	0.31	0.47	0.47	0.82	0.62	1.60
	1760.67	Core	0.52	0.98	2.14	0.41	0.87	0.38	0.41	0.45	0.86	0.62	2.16
Mud sample													
	1700	Mud	0.60	1.07	1.01	0.18	0.87	0.15	0.53	0.29	0.84	0.74	0.84

Table 2 Saturated hydrocarbon biomarker data (triterpanes)

Formation	Depth	Sample Type	20S	BB	C27BB	C28BB	C29BB	C30BB	DIAST	HOPST
Source rock samples										
	1614	SWC	0.24	0.44	35	31	34	0.09	1.47	5.87
	1731	SWC	0.10	0.30	32	38	30	0.51	0.38	10.23
	1798	SWC	0.10	0.44	14	35	51	0.17	0.46	10.05
	1994	Ctgs	0.11	0.36	20	31	49	1.68	0.53	14.56
	2127	SWC	0.12	0.38	32	26	42	0.49	0.17	18.99
Oil and oil stain samples										
	1742.1	Core	0.50	0.63	36	27	37	0.08	2.58	1.45
	1747	Oil	0.50	0.63	33	27	40	0.09	2.36	1.45
	1757.37	Core	0.50	0.64	35	27	38	0.08	2.68	1.29
	1760.67	Core	0.50	0.63	33	27	40	0.10	2.36	1.18
Mud sample										
	1700	Mud	0.40	0.59	33	27	39	0.08	1.84	2.44

Table 3 Saturated hydrocarbon biomarker data (steranes)

Derivation of biomarker ratios reported in Tables 2 and 3

Ratio	Derivation	m/z
Triterpanes		
22S	32αβS/(32αβS+32αβR)	191
TSTM	27Ts/27Tm	191
TTX	30d/29βα	191
30D	30d/30αβ	191
29H_30H	29αβ/30αβ	191
30AB–HOP	30αβ/(30αβ+30βα)	191
C28AB	28αβ/30αβ	191
TRICY	(23/3)/30αβ	191
TETRACY	(24/4)/30αβ	191
35H_34H	(35αβR+35αβS)/(34αβR+34αβS)	191
DEMET	25nor30αβ/30αβ	191
OLEANAN	30O/30αβ	191
GAMMA	30G/30αβ	191
PPMH*	ppm 27Ts+27Tm+29αβ+29βα+30αβ+30βα+31αβS+31αβR+32αβS+32αβR+33αβS+33αβR +34αβS+34αβR+35αβS+35αβR	191
Steranes		
20S	29ααS/(29ααR+29ααS)	217
BB	(29ββR+29ββS)/(29ββR+29ββS+29ααR+29ααS)	217
C27BB	100*(27ββR+27ββS)/(27ββR+27ββS+28ββR+28ββS+29ββR+29ββS)	218
C28BB	100*(28ββR+28ββS)/(27ββR+27ββS+28ββR+28ββS+29ββR+29ββS)	218
C29BB	100*(29ββR+29ββS)/(27ββR+27ββS+28ββR+28ββS+29ββR+29ββS)	218
C30BB	(30ββR+30ββS)/(27ββR+27ββS+28ββR+28ββS+29ββR+29ββS)	218
DIAST	(27dβR+27dβS)/(27ααR+27ααS)	217
PPMS*	ppm 27ββR+27ββS+28ββR+28ββS+29ββR+29ββS	218
HOPST	Intensities(27Ts+27Tm+29αβ+29βα+30αβ+30βα+31αβS+31αβR+32αβS+32αβR+33αβS+33αβR+34αβS+34αβR +35αβS+35αβR)/Intensities(27ββR+27ββS+28ββR+28ββS+29ββR+29ββS)	

* ppm calculated from comparison with m/z 219 intensity for D2-cholestane

Biomarker codes used in derivation of ratios

Compound name	Old code	NEW CODE
Triterpanes		
$C_{23}H_{42}$ tricyclic terpane	P	23/3
$C_{24}H_{44}$ tricyclic terpane	Q	24/3
$C_{25}H_{46}$ tricyclic terpane[1]	R	25/3
$C_{24}H_{42}$ tetracyclic terpane	S	24/4
$C_{26}H_{48}$ tricyclic terpane[2]	T	26/3
18α(H)-22,29,30-trisnorneohopane	27A	27Ts
17α(H)-22,29,30-trisnorhopane	27B	27Tm
17α(H), 21β(H)-25,28,30-trisnorhopane		25nor28αβ
17α(H), 21β(H)-28,30-bisnorhopane	28A	28αβ
17α(H), 21β(H)-25-norhopane		25nor30αβ[3]
17α(H), 21β(H)-30-norhopane	C29A	29αβ
18α(H)-30-norneohopane		29Ts
15α-methyl-17α(H)-27-norhopane (TtX)	X	30D
17β(H), 21α(H)-30-norhopane (normoretane)	C29B	29βα
18α(H)-oleanane		30O
17α(H), 21β(H)-hopane	C30A	30αβ
17β(H), 21α(H)-hopane (moretane)	C30B	30βα
Gammacerane		30G
17α(H), 21β(H), 22(S)-homohopane	C31S	31αβS
17α(H), 21β(H), 22(R)-homohopane	C31R	31αβR
17α(H), 21β(H), 22(S)-bishomohopane	C32S	32αβS
17α(H), 21β(H), 22(R)-bishomohopane	C32R	32αβR
17α(H), 21β(H), 22(S)-trishomohopane	C33S	33αβS
17α(H), 21β(H), 22(R)-trishomohopane	C33R	33αβR
17α(H), 21β(H), 22(S)-tetrakishomohopane	C34S	34αβS
17α(H), 21β(H), 22(R)-tetrakishomohopane	C34R	34αβR
17α(H), 21β(H), 22(S)-pentakishomohopane	C35S	35αβS
17α(H), 21β(H), 22(R)-pentakishomohopane	C35R	35αβR

1 may be broad peak or doublet 2 may be doublet 3 listed in Statoil spreadsheats as "nor30" for convenience

Steranes

13β(H), 17α(H), 20(S)-cholestane (diasterane)	27a	27dβS
13β(H), 17α(H), 20(R)-cholestane (diasterane)	27b	27dβR
13α(H), 17β(H), 20(R)-cholestane (diasterane)	27c	27dαR
13α(H), 17β(H), 20(S)-cholestane (diasterane)	27d	27dαS
5α(H), 14α(H), 17α(H), 20(S)-cholestane	27e	27ααS
5α(H), 14β(H), 17β(H), 20(R)-cholestane	27f	27ββR
5α(H), 14β(H), 17β(H), 20(S)-cholestane	27g	27ββS
5α(H), 14α(H), 17α(H), 20(R)-cholestane	27h	27ααR
24-methyl-13β(H), 17α(H), 20(S)-cholestane (diasterane)	28a	28dβS
24-methyl-13β(H), 17α(H), 20(R)-cholestane (diasterane)	28b	28dβR
24-methyl-13α(H), 17β(H), 20(R)-cholestane (diasterane)	28c	28dαR
24-methyl-13α(H), 17β(H), 20(S)-cholestane (diasterane)	28d	28dαS
24-methyl-5α(H), 14α(H), 17α(H), 20(S)-cholestane	28e	28ααS
24-methyl-5α(H), 14β(H), 17β(H), 20(R)-cholestane	28f	28ββR
24-methyl-5α(H), 14β(H), 17β(H), 20(S)-cholestane	28g	28ββS
24-methyl-5α(H), 14α(H), 17α(H), 20(R)-cholestane	28h	28ααR
24-ethyl-13β(H), 17α(H), 20(S)-cholestane (diasterane)	29a	29dβS
24-ethyl-13β(H), 17α(H), 20(R)-cholestane (diasterane)	29b	29dβR
24-ethyl-13α(H), 17β(H), 20(R)-cholestane (diasterane)	29c	29dαR
24-ethyl-13α(H), 17β(H), 20(S)-cholestane (diasterane)	29d	29dαS
24-ethyl-5α(H), 14α(H), 17α(H), 20(S)-cholestane	29e	29ααS
24-ethyl-5α(H), 14β(H), 17β(H), 20(R)-cholestane	29f	29ββR
24-ethyl-5α(H), 14β(H), 17β(H), 20(S)-cholestane	29g	29ββS
24-ethyl-5α(H), 14α(H), 17α(H), 20(R)-cholestane	29h	29ααR
24-propyl-5α(H), 14α(H), 17α(H), 20(S)-cholestane	30e	30ααS
24-propyl-5α(H), 14β(H), 17β(H), 20(R)-cholestane	30f	30ββR
24-propyl-5α(H), 14β(H), 17β(H), 20(S)-cholestane	30g	30ββS
24-propyl-5α(H), 14α(H), 17α(H), 20(R)-cholestane	30h	30ααR
4-methyl-14α(H), 17α(H)-cholestanes		M28αα
4,24-dimethyl-14α(H), 17α(H)-cholestanes		M29αα
4-methyl-24-ethyl-14α(H), 17α(H)-cholestanes		M30αα
4,23,24-trimethyl-14α(H), 17α(H)-cholestanes (dinosteranes)		M30D

Depth	Sample Type	Arom1	Arom2	Crack1	Crack2
1747	Oil	0.51	0.52	0.77	0.51

Table 4 Aromatic hydrocarbon biomarker data

Derivation of aromatic steroid ratios reported in Table 4

Arom 1 = g1/((g1+H1b+I1) - (I1*f1/g1))

Arom 2 = (a1+b1+c1+d1+e1+f1+g1)/(a1+b1+c1+d1+e1+f1+g1+A1+B1+C1+D1+E1+F1+G1+H1+I1)

Crack 1 = a1/(a1+g1)

Crack 2 = (a1+b1)/(a1+b1+c1+d1+e1+f1+g1)

N.B. H1b refers to second eluting (split) peak of doublet corresponding to H1 in standard figure

Codes for aromatic steroids

ABC-RING TRIAROMATIC STEROID HYDROCARBONS (m/z 231)

Peak	Substituents R_1	R_2	Abbreviation of Compound
a1	CH_3	H	$C_{20}TA$
b1	CH_3	CH_3	$C_{21}TA$
c1	$S(CH_3)$	C_6H_{13}	$SC_{26}TA$
d1	$R(CH_3)$	C_6H_{13}	$RC_{26}TA$
	$S(CH_3)$	C_7H_{15}	$SC_{27}TA$
e1	$S(CH_3)$	C_8H_{17}	$SC_{28}TA$
f1	$R(CH_3)$	C_7H_{15}	$RC_{27}TA$
g1	$R(CH_3)$	C_8H_{17}	$RC_{28}TA$

C-RING MONOAROMATIC STEROID HYDROCARBONS (m/z 253)

Peak	Substituents R_1	R_2	R_3	R_4	Abbreviation of Compound
A1					$C_{21}M$
B1					$C_{22}MA$
C1	β(H)	CH_3	S(CH_3)	H	β$SC_{27}MA$
	β(CH_3)	H	S(CH_3)	H	β$SC_{27}DMA$
D1	β(CH_3)	H	R(CH_3)	H	β$RC_{27}DMA$
	β(H)	CH_3	R(CH_3)	H	β$RC_{27}MA$
	α(H)	CH_3	S(CH_3)	H	α$SC_{27}MA$
E1	β(H)	CH_3	S(CH_3)	CH_3	β$SC_{28}MA$
	α(CH_3)	H	R(CH_3)	H	α$RC_{27}DMA$
	β(CH_3)	H	S(CH_3)	CH_3	β$SC_{28}DMA$
F1	α(CH_3)	H	S(CH_3)	CH_3	α$SC_{27}DMA$
	α(H)	CH_3	R(CH_3)	H	α$RC_{27}MA$
	α(H)	CH_3	S(CH_3)	CH_3	α$SC_{28}MA$
G1	β(H)	CH_3	R(CH_3)	CH_3	β$RC_{28}MA$
	β(CH_3)	H	R(CH_3)	CH_3	β$RC_{28}DMA$
	β(H)	CH_3	S(CH_3)	C_2H_5	β$SC_{29}MA$
	βCH_3	H	S(CH_3)	C_2H_5	β$SC_{29}DMA$
	α(H)	CH_3	S(CH_3)	C_2H_5	α$SC_{29}MA$
	α(H)	CH_3	R(CH_3)	CH_3	α$RC_{28}MA$
H1	β(H)	CH_3	R(CH_3)	C_2H_5	β$RC_{29}MA$
	βCH_3	H	R(CH_3)	C_2H_5	β$RC_{29}DMA$
I1	α(H)	CH_3	R(CH_3)	C_2H_5	α$RC_{29}MA$

N.B. Not all possible DMA isomers are marked (rarely present in geological samples)

Table 1 Analytical Program for NOCS Well 6608/11-2, Falk (rock samples)

Sample Depth (m)	Sample Type	Sample Code	Lithology Description	Picking for screening	Prøvepreparering (Kjernematriale)	Prøvepreparering (Losningsmiddel-Ekstraksjon)	Leco TOC	RockEval	GHM Pyrolysis-GC	Picking for Extraction	Topping	Iatroscan	SOXTEC Extraction	MPLC & Deasphaltene	EOM GC	Whole Oil GC	Sat GC (Q and non-Q)	Aro GC (Non-Q)	Sat GCMS (Q and non-Q)	Aro GCMS (Non-Q)	Isotope of fractions §	API Gravity (Westlab)	Vitrinite Reflectance	Visual Kerogen	Gas composition and isotopes (IFE)
Table nos.			3				5	5				8	8	8		13	9	9	11	12	10	17	4	7	14
1402	s	U29/0002-1	x																				x	x	
1435	s	U29/0003-1	x																					x	
1537	s	U29/0004-1	x																				x	x	
1584	s	U29/0005-1	x																				x	x	
1614	s	U29/0006-1	x				x	x	x			x	x	x			x		x		x		x	x	
1615	s	U29/0007-1	x				x	x					x												
1631	c	U29/0036-1	x				x	x					x												
1636	s	U29/0008-1	x				x	x					x											x	
1637	c	U29/0037-1	x				x	x					x												
1640	c	U29/0038-1	x				x	x					x												
1643	c	U29/0039-1	x				x	x	x				x	x			x								
1646	c	U29/0040-1	x				x	x					x												
1652	s	U29/0009-1	x				x	x					x												
1658	c	U29/0041-1	x				x	x					x												
1660	s	U29/0010-1	x				x	x					x												
1661	c	U29/0042-1	x				x	x					x												
1667	c	U29/0043-1	x				x	x					x												
1670	c	U29/0044-1	x				x	x					x												
1673	c	U29/0045-1	x				x	x					x												

Sample code refers to the lithology analysed.
For vitrinite reflectance and visual kerogen analysis of cuttings samples bulk cuttings are taken for analysis not fractions (i.e. code should be 0)

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Table 1 Analytical Program for NOCS Well 6608/11-2, Falk (rock samples)

Sample Depth (m)	Sample Type	Sample Code	Lithology Description	Picking for screening	Prøvepreparering (Kjernematriale)	Prøvepreparering (Losningsmiddel-Ekstraksjon)	Leco TOC	RockEval	GHM Pyrolysis-GC	Picking for Extraction	Topping	Iatroscan	SOXTEC Extraction	MPLC & Deasphaltene	EOM GC	Whole Oil GC	Sat GC (Q and non-Q)	Aro GC (Non-Q)	Sat GCMS (Q and non-Q)	Aro GCMS (Non-Q)	Isotope of fractions §	API Gravity (Westlab)	Vitrinite Reflectance	Visual Kerogen	Gas composition and isotopes (IFE)
Table nos.			3				5	5				8	8	8		13	9	9	11	12	10	17	4	7	14
1679	c	U29/0046-1	x				x	x					x												
1682	c	U29/0047-1	x				x	x	x				x	x			x								
1691	c	U29/0048-1	x				x	x					x												
1697	s	U29/0011-1	x				x	x					x											x	
1700	c	U29/0049-1	x				x	x	x				x	x			x								
1702.5	s	U29/0012-1	x				x	x					x												
1703	c	U29/0050-1	x				x	x					x												
1706	c	U29/0051-1	x				x	x					x												
1709	c	U29/0052-1	x				x	x					x												
1718	c	U29/0053-1	x				x	x					x												
1724	c	U29/0054-1	x				x	x					x												
1730	c	U29/0055-1	x				x	x					x												
1731	s	U29/0013-1	x				x	x	x				x	x			x		x		x		x	x	
1733	c	U29/0056-1	x				x	x					x												
1736	c	U29/0057-1	x				x	x					x												
1737	s	U29/0014-1	x				x	x					x											x	
1742.1	p	U29/0025-1	x					x				x	x	x			x		x		x			x	
1742.5	p	U29/0026-1	x				x	x	x			x	x	x			x						x	x	
1744.25	p	U29/0027-1	x					x				x	x	x			x								

Sample code refers to the lithology analysed.
For vitrinite reflectance and visual kerogen analysis of cuttings samples bulk cuttings are taken for analysis not fractions (i.e. code should be 0)

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Table 1 Analytical Program for NOCS Well 6608/11-2, Falk (rock samples)

Sample Depth (m)	Sample Type	Sample Code	Lithology Description	Picking for screening	Prøvepreparering (Kjernematriale)	Prøvepreparering (Losningsmiddel-Ekstraksjon)	Leco TOC	RockEval	GHM Pyrolysis-GC	Picking for Extraction	Topping	Iatroscan	SOXTEC Extraction	MPLC & Deasphaltene	EOM GC	Whole Oil GC	Sat GC (Q and non-Q)	Aro GC (Non-Q)	Sat GCMS (Q and non-Q)	Aro GCMS (Non-Q)	Isotope of fractions §	API Gravity (Westlab)	Vitrinite Reflectance	Visual Kerogen	Gas composition and isotopes (IFE)
Table nos.			3				5	5				8	8	8		13	9	9	11	12	10	17	4	7	14
1748.77	p	U29/0028-1	x					x				x	x	x			x								
1751.57	p	U29/0029-1	x					x				x	x	x			x								
1754.49	p	U29/0030-1	x					x				x	x	x			x								
1757.37	p	U29/0031-1	x					x				x	x	x			x		x		x				
1759	**p**	**hot shot**											**X**		**X**										
1759.95	p	U29/0032-1	x					x				x	x	x			x								
1760.67	p	U29/0033-1	x					x				x	x	x			x		x		x				
1763.22	p	U29/0034-1	x					x				x	x	x			x								
1765.08	p	U29/0035-1	x					x				x	x	x			x								
1787	c	U29/0074-2	x				x	x	x				x	x			x						x		
1794.5	s	U29/0015-1	x				x	x					x												
1798	s	U29/0016-1	x				x	x	x			x	x	x			x		x		x				
1811	c	U29/0059-3	x				x	x					x												
1815.5	s	U29/0017-1	x				x	x					x										x	x	
1826	c	U29/0060-3	x				x	x					x												
1838	c	U29/0061-3	x				x	x					x												
1841	s	U29/0018-1	x				x	x					x												
1865	c	U29/0062-6	x				x	x					x												
1895	s	U29/0019-1	x																				x	x	

Sample code refers to the lithology analysed.
For vitrinite reflectance and visual kerogen analysis of cuttings samples bulk cuttings are taken for analysis not fractions (i.e. code should be 0)

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Table 1 Analytical Program for NOCS Well 6608/11-2, Falk (rock samples)

Sample Depth (m)	Sample Type	Sample Code	Lithology Description	Picking for screening	Prøvepreparering (Kjernematriale)	Prøvepreparering (Losningsmiddel-Ekstraksjon)	Leco TOC	RockEval	GHM Pyrolysis-GC	Picking for Extraction	Topping	Iatroscan	SOXTEC Extraction	MPLC & Deasphaltene	EOM GC	Whole Oil GC	Sat GC (Q and non-Q)	Aro GC (Non-Q)	Sat GCMS (Q and non-Q)	Aro GCMS (Non-Q)	Isotope of fractions §	API Gravity (Westlab)	Vitrinite Reflectance	Visual Kerogen	Gas composition and isotopes (IFE)
Table nos.			3				5	5				8	8	8		13	9	9	11	12	10	17	4	7	14
1898	c	U29/0063-2	x				x	x	x				x	x			x								
1904	c	U29/0064-2	x				x	x					x												
1922	c	U29/0065-1	x				x	x	x				x	x			x								
1949	c	U29/0066-3	x				x	x					x												
1964	c	U29/0067-4	x				x	x					x										x		
1994	c	U29/0068-4	x				x	x	x				x	x			x		x		x				
2036	c	U29/0069-4	x				x	x					x												
2050.5	s	U29/0020-1	x																				x	x	
2081	c	U29/0070-3	x				x	x					x												
2093	s	U29/0021-1	x				x	x	x			x	x	x			x							x	
2108	c	U29/0071-3	x				x	x					x												
2127	s	U29/0022-1	x				x	x	x			x	x	x			x		x		x		x	x	
2147	c	U29/0072-3	x				x	x					x										x	x	
2182	s	U29/0023-1	x																				x	x	
2206	s	U29/0024-1	x																				x		
2215	c	U29/0073-1	x				x	x					x										x	x	
		73	**72**				**54**	**64**	**13**			**15**	**65**	**23**	**1**		**23**		**8**		**8**		**16**	**18**	
Sample type key c = Cuttings s = SWC p = Conv core/ plug o=oil g= gas m=mud												Q=quantitative, non-Q = not quantitative												
§ isotope analysis on SAT and ARO only																									

Sample code refers to the lithology analysed.
For vitrinite reflectance and visual kerogen analysis of cuttings samples bulk cuttings are taken for analysis not fractions (i.e. code should be 0)

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Table 3 : Lithology description for well NOCS 6608/11-2

Depth unit of measure: m

Depth Int	Cvd	Type TOC%	%	Grp Frm Age Lithology description	Trb	Sample
1402.00		swc				0002
			100	Sh/Clst: drk gy, slt		0002-1L
1435.00		swc				0003
			100	Sh/Clst: dsk brn to dsk y brn, calc, pyr, slt		0003-1L
1537.00		swc				0004
			50	Sh/Clst: dsk brn to dsk y brn, calc, pyr, slt		0004-1L
			50	Ca : gy w, s		0004-2L
1584.00		swc				0005
			100	Sltst : lt or to dsk y brn, slt, s, mic, st		0005-1L
1614.00		swc				0006
	1.63		100	Sh/Clst: dsk y brn, wx		0006-1L
1615.00		swc				0007
	1.35		100	Sh/Clst: dsk y brn, wx		0007-1L
1631.00						0036
	1.61		25	Sh/Clst: lt brn gy to drk brn gy		0036-1L
			20	Ca : lt brn gy to brn gy, brn blk		0036-2L
			20	Sh/Clst: lt bl gy to lt gn gy, calc, glauc		0036-3L
			20	Other : pyr		0036-4L
			5	S/Sst : w, f, l		0036-5L
			5	Cont		0036-6L
			5	Other : glauc		0036-7L
			tr	Coal : blk		0036-8L
			tr	Meta		0036-9L

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Table 3 : Lithology description for well NOCS 6608/11-2

Depth unit of measure: m

Depth Int	Cvd	Type TOC%	%	Grp Frm Age / Lithology description	Trb	Sample
1636.00		swc				0008
		1.91	100	Sh/Clst: lt brn gy to brn gy, pyr, slt		0008-1L
1637.00						0037
		2.24	40	Sh/Clst: lt brn gy to drk brn gy		0037-1L
			20	Sh/Clst: lt bl gy to lt gn gy, calc, glauc		0037-3L
			15	Other : pyr		0037-4L
			10	Ca : lt brn gy to brn gy, brn blk		0037-2L
			5	S/Sst : w, f, l		0037-5L
			5	Cont : tar-ad		0037-6L
			5	Other : glauc		0037-7L
			tr	Coal : blk		0037-8L
			tr	Meta		0037-9L
1640.00						0038
			40	Sh/Clst: lt bl gy to lt gn gy, calc, glauc		0038-3L
		1.83	35	Sh/Clst: lt brn gy to drk brn gy		0038-1L
			15	Other : pyr		0038-4L
			5	Ca : lt brn gy to brn gy, brn blk		0038-2L
			5	Other : glauc		0038-5L
			tr	Coal : blk		0038-6L
1643.00						0039
			35	Sh/Clst: lt bl gy to lt gn gy, calc, glauc		0039-3L
		3.08	25	Sh/Clst: lt brn gy to drk brn gy		0039-1L
			25	Other : pyr		0039-4L
			10	Other : glauc		0039-5L
			5	Ca : lt brn gy to brn gy, brn blk		0039-2L
			tr	Coal : blk		0039-6L
1646.00						0040
			40	Sh/Clst: lt bl gy to lt gn gy, calc, glauc		0040-3L
			25	Other : pyr		0040-4L
		1.53	15	Sh/Clst: lt brn gy to drk brn gy		0040-1L
			15	Other : glauc		0040-5L
			5	Ca : lt brn gy to brn gy, brn blk		0040-2L
			tr	Coal : blk		0040-6L

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Table 3 : Lithology description for well NOCS 6608/11-2

Depth unit of measure: m

Depth Int	Cvd	Type TOC%	%	Grp	Frm	Age	Trb	Lithology description	Sample
1652.00		swc							0009
		1.79	100	Sltst				: lt brn gy to brn gy, slt	0009-1L
1658.00									0041
			40	Sh/Clst				: lt bl gy to lt gn gy, calc, glauc	0041-2L
		1.77	30	Sh/Clst				: lt brn gy to drk brn gy	0041-1L
			20	Other				: pyr	0041-3L
			10	Other				: glauc	0041-4L
			tr	Coal				: blk	0041-5L
1660.00		swc							0010
		1.41	100	Sltst				: pl brn gy to brn gy, s, mic	0010-1L
1661.00									0042
			40	Sh/Clst				: lt bl gy to lt gn gy, calc, glauc	0042-2L
		1.43	30	Sh/Clst				: lt brn gy to drk brn gy	0042-1L
			20	Other				: pyr	0042-3L
			10	Other				: glauc	0042-4L
			tr	Coal				: blk	0042-5L
1667.00									0043
			35	Sh/Clst				: lt bl gy to lt gn gy, calc, glauc	0043-2L
			35	Other				: pyr	0043-3L
		1.48	20	Sh/Clst				: lt brn gy to drk brn gy	0043-1L
			10	Other				: glauc	0043-4L
			tr	Coal				: blk	0043-5L
1670.00									0044
			45	Sh/Clst				: lt bl gy to lt gn gy, calc, glauc	0044-2L
		1.70	30	Sh/Clst				: lt brn gy to drk brn gy	0044-1L
			20	Other				: pyr	0044-3L
			5	Other				: glauc	0044-4L
			tr	Coal				: blk	0044-5L

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Table 3 : Lithology description for well NOCS 6608/11-2

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
1673.00						0045
		45	Sh/Clst:	lt bl gy to lt gn gy, calc, glauc		0045-2L
	1.90	30	Sh/Clst:	lt brn gy to drk brn gy		0045-1L
		20	Other :	pyr		0045-3L
		5	Other :	glauc		0045-4L
		tr	Coal :	blk		0045-5L
1679.00						0046
		45	Sh/Clst:	lt bl gy to lt gn gy, calc, glauc		0046-2L
	1.69	30	Sh/Clst:	lt brn gy to drk brn gy		0046-1L
		20	Other :	pyr		0046-3L
		5	Other :	glauc		0046-4L
		tr	Coal :	blk		0046-5L
1682.00						0047
		55	Sh/Clst:	lt bl gy to lt gn gy, calc, glauc		0047-2L
		30	Other :	pyr		0047-3L
	3.15	15	Sh/Clst:	lt brn gy to drk brn gy		0047-1L
		tr	Other :	glauc		0047-4L
		tr	Coal :	blk		0047-5L
1691.00						0048
		55	Sh/Clst:	lt bl gy to lt gn gy, calc, glauc		0048-2L
		30	Other :	pyr		0048-3L
	1.49	15	Sh/Clst:	lt brn gy to drk brn gy		0048-1L
		tr	Other :	glauc		0048-4L
		tr	Coal :	blk		0048-5L
1697.00 swc						0011
	1.01	100	Sltst :	pl brn gy to brn gy, s, mic		0011-1L
1700.00						0049
		55	Sh/Clst:	lt bl gy to lt gn gy, calc, glauc		0049-2L
		30	Other :	pyr		0049-3L
	1.72	15	Sh/Clst:	lt brn gy to drk brn gy		0049-1L
		tr	Other :	glauc		0049-4L
		tr	Coal :	blk		0049-5L

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Table 3 : Lithology description for well NOCS 6608/11-2

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
1702.50	swc						0012
	1.06	100	Sltst	:	pl brn gy to brn gy, s, mic		0012-1L
1703.00							0050
		55	Sh/Clst	:	lt bl gy to lt gn gy, calc, glauc		0050-2L
		30	Other	:	pyr		0050-3L
	2.18	15	Sh/Clst	:	lt brn gy to drk brn gy		0050-1L
		tr	Other	:	glauc		0050-4L
		tr	Coal	:	blk		0050-5L
1706.00							0051
		40	Sh/Clst	:	lt bl gy to lt gn gy, calc, glauc		0051-2L
		25	Other	:	pyr		0051-3L
	1.58	20	Sh/Clst	:	lt brn gy to drk brn gy		0051-1L
		10	Other	:	glauc		0051-4L
		5	S/Sst	:	w, l		0051-6L
		tr	Coal	:	blk		0051-5L
1709.00							0052
		40	Sh/Clst	:	lt bl gy to lt gn gy, calc, glauc		0052-2L
	1.69	30	Sh/Clst	:	lt brn gy to drk brn gy		0052-1L
		25	Ca	:	lt brn gy		0052-6L
		5	Other	:	pyr		0052-3L
		tr	Other	:	glauc		0052-4L
		tr	Coal	:	blk		0052-5L
1718.00							0053
		40	Sh/Clst	:	lt bl gy to lt gn gy, calc, glauc		0053-2L
		25	Ca	:	lt brn gy		0053-6L
	1.72	20	Sh/Clst	:	lt brn gy to drk brn gy		0053-1L
		15	Other	:	pyr		0053-3L
		tr	Other	:	glauc		0053-4L
		tr	Coal	:	blk		0053-5L
1724.00							0054
		40	Sh/Clst	:	lt bl gy to lt gn gy, calc, glauc		0054-2L
		25	Ca	:	lt brn gy		0054-6L
	1.00	20	Sh/Clst	:	lt brn gy to drk brn gy		0054-1L
		15	Other	:	pyr		0054-3L
		tr	Other	:	glauc		0054-4L
		tr	Coal	:	blk		0054-5L

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Table 3 : Lithology description for well NOCS 6608/11-2

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
1730.00							0055
		40	Sh/Clst:		lt bl gy to lt gn gy, calc, glauc		0055-2L
	1.42	30	Sh/Clst:		lt brn gy to drk brn gy		0055-1L
		25	Ca	:	lt brn gy		0055-6L
		5	Other	:	pyr		0055-3L
		tr	Other	:	glauc		0055-4L
		tr	Coal	:	blk		0055-5L
1731.00	swc						0013
	28.00	95	Sh/Clst:		blk, carb		0013-1L
		5	Coal	:	blk, argill		0013-2L
1733.00							0056
		40	Sh/Clst:		lt bl gy to lt gn gy, calc, glauc		0056-2L
		25	Ca	:	lt brn gy		0056-6L
	1.08	20	Sh/Clst:		lt brn gy to drk brn gy		0056-1L
		15	Other	:	pyr		0056-3L
		tr	Other	:	glauc		0056-4L
		tr	Coal	:	blk		0056-5L
1736.00							0057
		40	Sh/Clst:		lt bl gy to lt gn gy, calc, glauc		0057-2L
		25	Ca	:	lt brn gy		0057-6L
	0.84	20	Sh/Clst:		lt brn gy to drk brn gy		0057-1L
		15	Other	:	pyr		0057-3L
		tr	Other	:	glauc		0057-4L
		tr	Coal	:	blk		0057-5L
1737.00	swc						0014
	1.00	100	Sh/Clst:		brn gy		0014-1L
1742.10	ccp						0025
		100	S/Sst	:	drk y brn, f, l		0025-1L

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Table 3 : Lithology description for well NOCS 6608/11-2

Depth unit of measure: m

Depth Int	Cvd	Type TOC%	%	Grp Frm Age Lithology description	Trb	Sample
1742.50	ccp					0026
		4.21	100	Sh/Clst: brn blk, slt, mic		0026-1L
1744.25	ccp					0027
			100	S/Sst : m y brn to pl y brn		0027-1L
1748.77	ccp					0028
			100	S/Sst : m y brn		0028-1L
1751.57	ccp					0029
			100	S/Sst : m y brn		0029-1L
1754.49	ccp					0030
			100	S/Sst : m y brn		0030-1L
1757.37	ccp					0031
			100	S/Sst : m y brn		0031-1L
1759.95	ccp					0032
			100	S/Sst : lt or to lt brn gy, argill, sft		0032-1L
1760.67	ccp					0033
			100	S/Sst : lt or to lt brn gy, argill, l		0033-1L
1763.22	ccp					0034
			100	S/Sst : pl y brn, mic, crs, l		0034-1L

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Table 3 : Lithology description for well NOCS 6608/11-2

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
1765.08	ccp						0035
		100	S/Sst	: pl y brn, mic, crs, l			0035-1L
1787.00							0074
		70	Sh/Clst	: lt gn gy to lt bl gy, glauc			0074-1L
	57.00	20	Sh/Clst	: blk to brn blk, carb			0074-2L
		10	S/Sst	: w, l			0074-3L
1794.50	swc						0015
	2.52	100	Sh/Clst	: blk to brn blk, carb			0015-1L
1798.00	swc						0016
	6.10	95	Sh/Clst	: dsk y brn to blk, carb			0016-1L
		5	Coal	: blk			0016-2L
1811.00							0059
		80	S/Sst	: w, l			0059-1L
		10	Sh/Clst	: lt bl gy to lt gn gy, glauc			0059-2L
	52.30	10	Sh/Clst	: brn blk to blk, carb			0059-3L
1815.50	swc						0017
	3.44	100	Sh/Clst	: brn blk, carb			0017-1L
1826.00							0060
		80	S/Sst	: w, l			0060-1L
		10	Sh/Clst	: lt bl gy to lt gn gy, glauc			0060-2L
	51.20	10	Sh/Clst	: brn blk to blk, carb			0060-3L
1838.00							0061
		55	S/Sst	: w, mic, l			0061-1L
		30	Sh/Clst	: lt gn gy, glauc			0061-2L
	43.20	10	Sh/Clst	: blk to brn blk, carb			0061-3L
		5	S/Sst	: pl y, calc, cem			0061-4L

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Table 3 : Lithology description for well NOCS 6608/11-2

Depth unit of measure: m

Depth Int	Depth Cvd	Type TOC%	%	Grp	Frm	Age / Lithology description	Trb	Sample
1841.00		swc						0018
		2.17	100			Sh/Clst: blk to brn blk, carb		0018-1L
1865.00								0062
			45			S/Sst : w, mic, l		0062-1L
			20			Sh/Clst: lt gn gy, glauc		0062-2L
			10			Coal : blk to brn blk, argill		0062-3L
			10			Sh/Clst: lt gy		0062-5L
		18.50	10			Sh/Clst: brn gy, carb		0062-6L
			5			S/Sst : pl y, calc, cem		0062-4L
1895.00		swc						0019
			100			Sh/Clst: drk y brn		0019-1L
1898.00								0063
		53.20	80			Sh/Clst: blk to brn blk, carb		0063-2L
			20			S/Sst : w, l		0063-3L
			tr			Sh/Clst: lt gn gy, lt gy, brn gy		0063-4L
1904.00								0064
		35.10	80			Sh/Clst: blk to brn blk, carb		0064-2L
			10			S/Sst : w, l		0064-3L
			10			Sh/Clst: lt gn gy, lt gy, brn gy		0064-4L
1922.00								0065
		21.80	80			Sh/Clst: blk to brn blk, carb		0065-1L
			10			S/Sst : w, l		0065-2L
			10			Sh/Clst: lt gn gy, lt gy, brn gy		0065-3L
1949.00								0066
			45			Sh/Clst: lt gn gy, glauc		0066-1L
			20			S/Sst : w, l		0066-2L
		3.83	20			Sh/Clst: brn gy, carb		0066-3L
			15			Sh/Clst: blk to brn blk, carb		0066-4L

GEOLAB NOR

Table 3 : Lithology description for well NOCS 6608/11-2

Depth unit of measure: m

Depth Int	Cvd	Type TOC%	%	Grp Frm Age Lithology description	Trb	Sample
1964.00						0067
			40	S/Sst : w, l		0067-2L
		50.40	35	Sh/Clst: blk to brn blk, carb		0067-4L
			15	Sh/Clst: lt gn gy, glauc		0067-1L
			10	Sh/Clst: brn gy, carb		0067-3L
1994.00						0068
			45	S/Sst : w, l		0068-2L
			30	Sh/Clst: lt gn gy, glauc		0068-1L
		39.50	15	Sh/Clst: blk to brn blk, carb		0068-4L
			10	Sh/Clst: brn gy, carb		0068-3L
2036.00						0069
			65	S/Sst : w, l		0069-2L
		53.60	35	Sh/Clst: blk to brn blk, carb		0069-4L
			tr	Sh/Clst: lt gn gy, glauc		0069-1L
			tr	Sh/Clst: brn gy, carb		0069-3L
2050.50	swc					0020
			100	Sh/Clst: gy brn to dsk brn		0020-1L
2081.00						0070
			65	S/Sst : w, l		0070-1L
			15	Sh/Clst: lt gn gy, glauc		0070-2L
		0.98	15	Sh/Clst: brn gy, carb		0070-3L
			5	Sh/Clst: blk to brn blk, carb		0070-4L
2093.00	swc					0021
		2.63	100	Sh/Clst: blk, carb		0021-1L
2108.00						0071
			85	S/Sst : w, l		0071-1L
			10	Sh/Clst: lt gn gy, glauc		0071-2L
		0.94	5	Sh/Clst: brn gy, carb		0071-3L
			tr	Sh/Clst: blk to brn blk, carb		0071-4L

GEOLAB NOR

Table 3 : Lithology description for well NOCS 6608/11-2

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
2127.00	swc						0022
	3.27	100	Sh/Clst: blk, carb				0022-1L
2147.00							0072
		95	S/Sst : w, l				0072-1L
		5	Sh/Clst: lt gn gy, glauc				0072-2L
	2.85	tr	Sh/Clst: brn gy, carb				0072-3L
		tr	Sh/Clst: blk to brn blk, carb				0072-4L
2182.00	swc						0023
		100	Sh/Clst: dsk brn, m brn				0023-1L
2206.00	swc						0024
		100	Sh/Clst: lt gn gy to gy w, calc				0024-1L
2215.00							0073
	0.96	40	Sh/Clst: m gy to m drk gy, ol gy, calc				0073-1L
		25	Ca : w				0073-2L
		20	S/Sst : w, l				0073-4L
		15	Sh/Clst: dsk red brn to m gy, gy pu, calc				0073-3L
		tr	Sh/Clst: blk to brn blk, carb				0073-5L

Table 4 : Thermal Maturity Data for well NOCS 6608/11-2

Depth unit of measure: m

Depth	Typ	Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation (%)	Spore Fluorescence Colour	SCI	Tmax (°C)	Sample
1402.00	swc	Sh/Clst: drk gy	0.21	5	0.05	-	NDP/4.5(??)	-	0002-1L
1435.00	swc	Sh/Clst: dsk brn to dsk y brn	-	-	0.00	-	4.5	-	0003-1L
1537.00	swc	Sh/Clst: dsk brn to dsk y brn	0.20	6	0.02	-	NDP	-	0004-1L
1584.00	swc	Sltst : lt or to dsk y brn	0.22	12	0.05	-	4.5-5.0(??)	-	0005-1L
1614.00	swc	Sh/Clst: dsk y brn	0.20	6	0.02	-	4.0-4.5	418	0006-1L
1636.00	swc	Sh/Clst: lt brn gy to brn gy	-	-	0.00	-	5.5-6.0(??)	419	0008-1L
1697.00	swc	Sltst : pl brn gy to brn gy	-	-	0.00	-	4.5(?)	418	0011-1L
1731.00	swc	Sh/Clst: blk	0.27	24	0.04	-	4.5(??)	419	0013-1L
1737.00	swc	Sh/Clst: brn gy	-	-	0.00	-	5.0(?)	598	0014-1L
1742.50	ccp	Sh/Clst: brn blk	0.20	20	0.03	-	5.0	418	0026-1L
1787.00	cut	bulk	0.32	23	0.02	-	-	416	0074-0B
1815.50	swc	Sh/Clst: brn blk	0.32	10	0.03	-	5.0	427	0017-1L
1895.00	swc	Sh/Clst: drk y brn	NDP	-	-	-	NDP/5.0-5.5(??)	-	0019-1L
1964.00	cut	bulk	0.29	22	0.04	-	-	409	0067-0B
2050.50	swc	Sh/Clst: gy brn to dsk brn	NDP	-	-	-	NDP	-	0020-1L

Table 4 : Thermal Maturity Data for well NOCS 6608/11-2

Depth unit of measure: m

Depth	Typ	Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation (%)	Spore Fluorescence Colour	SCI	Tmax (°C)	Sample
2093.00	swc	Sh/Clst: blk	-	-	0.00	-	5.0-5.5	429	0021-1L
2127.00	swc	Sh/Clst: blk	0.28	22	0.05	-	4.5-5.0(??)	432	0022-1L
2147.00	cut	bulk	0.33	24	0.03	-	5.0(?)	433	0072-0B
2182.00	swc	Sh/Clst: dsk brn, m brn	0.28	2	0.01	-	NDP/5.0-5.5(??)	-	0023-1L
2206.00	swc	Sh/Clst: lt gn gy to gy w	NDP	-	-	-	-	-	0024-1L
2215.00	cut	bulk	0.31	24	0.03	-	5.5-6.0 (?)	368	0073-0B

Table 5A: Rock-Eval table for well NOCS 6608/11-2

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
1614.00	swc	Sh/Clst: dsk y brn	0.24	3.32	-	-	1.63	204	-	3.6	0.07	418	0006-1L
1615.00	swc	Sh/Clst: dsk y brn	0.15	1.48	-	-	1.35	110	-	1.6	0.09	414	0007-1L
1631.00	cut	Sh/Clst: lt brn gy to drk brn gy	0.18	3.63	-	-	1.61	225	-	3.8	0.05	421	0036-1L
1636.00	swc	Sh/Clst: lt brn gy to brn gy	0.16	1.47	-	-	1.91	77	-	1.6	0.10	419	0008-1L
1637.00	cut	Sh/Clst: lt brn gy to drk brn gy	0.30	4.27	-	-	2.24	190	-	4.6	0.07	417	0037-1L
1640.00	cut	Sh/Clst: lt brn gy to drk brn gy	0.21	3.29	-	-	1.83	180	-	3.5	0.06	418	0038-1L
1643.00	cut	Sh/Clst: lt brn gy to drk brn gy	0.32	6.92	-	-	3.08	225	-	7.2	0.04	419	0039-1L
1646.00	cut	Sh/Clst: lt brn gy to drk brn gy	0.18	2.59	-	-	1.53	169	-	2.8	0.06	419	0040-1L
1652.00	swc	Sltst : lt brn gy to brn gy	0.13	1.30	-	-	1.79	73	-	1.4	0.09	422	0009-1L
1658.00	cut	Sh/Clst: lt brn gy to drk brn gy	0.22	3.02	-	-	1.77	171	-	3.2	0.07	416	0041-1L
1660.00	swc	Sltst : pl brn gy to brn gy	0.32	1.46	-	-	1.41	104	-	1.8	0.18	415	0010-1L
1661.00	cut	Sh/Clst: lt brn gy to drk brn gy	0.19	2.46	-	-	1.43	172	-	2.7	0.07	414	0042-1L
1667.00	cut	Sh/Clst: lt brn gy to drk brn gy	0.17	2.18	-	-	1.48	147	-	2.4	0.07	419	0043-1L
1670.00	cut	Sh/Clst: lt brn gy to drk brn gy	0.19	2.66	-	-	1.70	156	-	2.9	0.07	416	0044-1L
1673.00	cut	Sh/Clst: lt brn gy to drk brn gy	0.22	3.79	-	-	1.90	199	-	4.0	0.05	417	0045-1L
1679.00	cut	Sh/Clst: lt brn gy to drk brn gy	0.22	3.17	-	-	1.69	188	-	3.4	0.06	417	0046-1L

Table 5A: Rock-Eval table for well NOCS 6608/11-2

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
1682.00	cut	Sh/Clst: lt brn gy to drk brn gy	0.23	6.75	-	-	3.15	214	-	7.0	0.03	417	0047-1L
1691.00	cut	Sh/Clst: lt brn gy to drk brn gy	0.24	2.68	-	-	1.49	180	-	2.9	0.08	404	0048-1L
1697.00	swc	Sltst : pl brn gy to brn gy	0.11	0.85	-	-	1.01	84	-	1.0	0.11	418	0011-1L
1700.00	cut	Sh/Clst: lt brn gy to drk brn gy	0.23	4.83	-	-	1.72	281	-	5.1	0.05	421	0049-1L
1702.50	swc	Sltst : pl brn gy to brn gy	0.08	0.98	-	-	1.06	92	-	1.1	0.08	422	0012-1L
1703.00	cut	Sh/Clst: lt brn gy to drk brn gy	0.16	3.61	-	-	2.18	166	-	3.8	0.04	419	0050-1L
1706.00	cut	Sh/Clst: lt brn gy to drk brn gy	0.23	2.73	-	-	1.58	173	-	3.0	0.08	411	0051-1L
1709.00	cut	Sh/Clst: lt brn gy to drk brn gy	0.16	2.61	-	-	1.69	154	-	2.8	0.06	418	0052-1L
1718.00	cut	Sh/Clst: lt brn gy to drk brn gy	0.29	3.37	-	-	1.72	196	-	3.7	0.08	402	0053-1L
1724.00	cut	Sh/Clst: lt brn gy to drk brn gy	0.06	1.12	-	-	1.00	112	-	1.2	0.05	418	0054-1L
1730.00	cut	Sh/Clst: lt brn gy to drk brn gy	0.24	3.39	-	-	1.42	239	-	3.6	0.07	381	0055-1L
1731.00	swc	Sh/Clst: blk	0.55	34.00	-	-	28.00	121	-	34.5	0.02	419	0013-1L
1733.00	cut	Sh/Clst: lt brn gy to drk brn gy	0.18	1.54	-	-	1.08	143	-	1.7	0.10	388	0056-1L
1736.00	cut	Sh/Clst: lt brn gy to drk brn gy	0.11	1.17	-	-	0.84	139	-	1.3	0.09	416	0057-1L
1737.00	swc	Sh/Clst: brn gy	0.06	0.86	-	-	1.00	86	-	0.9	0.07	598	0014-1L
1742.10	ccp	S/Sst : drk y brn	51.60	20.65	-	-	-	-	-	72.3	0.71	338	0025-1L

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
1742.50	ccp	Sh/Clst: brn blk	0.24	8.68	-	-	4.21	206	-	8.9	0.03	418	0026-1L
1744.25	ccp	S/Sst : m y brn to pl y brn	62.37	29.10	-	-	-	-	-	91.5	0.68	329	0027-1L
1748.77	ccp	S/Sst : m y brn	61.06	27.99	-	-	-	-	-	89.1	0.69	328	0028-1L
1751.57	ccp	S/Sst : m y brn	56.33	25.17	-	-	-	-	-	81.5	0.69	328	0029-1L
1754.49	ccp	S/Sst : m y brn	62.07	29.79	-	-	-	-	-	91.9	0.68	323	0030-1L
1757.37	ccp	S/Sst : m y brn	67.98	36.40	-	-	-	-	-	104.4	0.65	321	0031-1L
1759.95	ccp	S/Sst : lt or to lt brn gy	49.35	20.90	-	-	-	-	-	70.3	0.70	329	0032-1L
1760.67	ccp	S/Sst : lt or to lt brn gy	50.34	22.83	-	-	-	-	-	73.2	0.69	331	0033-1L
1763.22	ccp	S/Sst : pl y brn	0.90	1.53	-	-	-	-	-	2.4	0.37	321	0034-1L
1765.08	ccp	S/Sst : pl y brn	2.86	0.58	-	-	-	-	-	3.4	0.83	337	0035-1L
1787.00	cut	Sh/Clst: blk to brn blk	1.86	71.93	-	-	57.00	126	-	73.8	0.03	416	0074-2L
1794.50	swc	Sh/Clst: blk to brn blk	0.21	1.61	-	-	2.52	64	-	1.8	0.12	419	0015-1L
1798.00	swc	Sh/Clst: dsk y brn to blk	0.25	7.46	-	-	6.10	122	-	7.7	0.03	425	0016-1L
1811.00	cut	Sh/Clst: brn blk to blk	1.86	64.92	-	-	52.30	124	-	66.8	0.03	409	0059-3L
1815.50	swc	Sh/Clst: brn blk	0.09	2.07	-	-	3.44	60	-	2.2	0.04	427	0017-1L
1826.00	cut	Sh/Clst: brn blk to blk	2.54	55.04	-	-	51.20	108	-	57.6	0.04	408	0060-3L

Table 5A: Rock-Eval table for well NOCS 6608/11-2

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
1838.00	cut	Sh/Clst: blk to brn blk	1.49	61.55	-	-	43.20	142	-	63.0	0.02	416	0061-3L
1841.00	swc	Sh/Clst: blk to brn blk	0.12	1.22	-	-	2.17	56	-	1.3	0.09	426	0018-1L
1865.00	cut	Sh/Clst: brn gy	0.66	36.27	-	-	18.50	196	-	36.9	0.02	417	0062-6L
1898.00	cut	Sh/Clst: blk to brn blk	2.50	95.31	-	-	53.20	179	-	97.8	0.03	406	0063-2L
1904.00	cut	Sh/Clst: blk to brn blk	1.16	70.42	-	-	35.10	201	-	71.6	0.02	418	0064-2L
1922.00	cut	Sh/Clst: blk to brn blk	0.75	45.79	-	-	21.80	210	-	46.5	0.02	420	0065-1L
1949.00	cut	Sh/Clst: brn gy	0.29	5.58	-	-	3.83	146	-	5.9	0.05	426	0066-3L
1964.00	cut	Sh/Clst: blk to brn blk	2.61	76.67	-	-	50.40	152	-	79.3	0.03	409	0067-4L
1994.00	cut	Sh/Clst: blk to brn blk	1.87	75.67	-	-	39.50	192	-	77.5	0.02	416	0068-4L
2036.00	cut	Sh/Clst: blk to brn blk	2.14	80.22	-	-	53.60	150	-	82.4	0.03	409	0069-4L
2081.00	cut	Sh/Clst: brn gy	0.12	0.76	-	-	0.98	78	-	0.9	0.14	352	0070-3L
2093.00	swc	Sh/Clst: blk	0.16	4.02	-	-	2.63	153	-	4.2	0.04	429	0021-1L
2108.00	cut	Sh/Clst: brn gy	0.05	0.55	-	-	0.94	59	-	0.6	0.08	430	0071-3L
2127.00	swc	Sh/Clst: blk	0.18	11.85	-	-	3.27	362	-	12.0	0.01	432	0022-1L
2147.00	cut	Sh/Clst: brn gy	0.22	5.88	-	-	2.85	206	-	6.1	0.04	433	0072-3L
2215.00	cut	Sh/Clst: m gy to m drk gy, ol gy	0.15	1.39	-	-	0.96	145	-	1.5	0.10	368	0073-1L

Table 5b Rock-Eval Data on SR-1 standard for well NOCS 6608/11-2

	S1	S2	Tmax
SR1	1.34	5.44	436
SR1	1.37	5.77	436
SR1	1.33	5.45	436
SR1	1.4	5.9	434
SR1	1.3	5.48	439
SR1	1.27	5.61	439
SR1	1.27	5.58	439
SR1	1.26	5.73	439
SR1	1.24	5.65	440

Table 3 : Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 6608/11-2

Depth unit of measure: m

Depth	Typ	Lithology	C1	C2-C5	C6-C14	C15+	S2 from Rock-Eval	Sample
1614.00	swc	Sh/Clst: dsk y brn	4.02	10.24	56.82	28.92	3.32	0006-1L
1643.00	cut	Sh/Clst: lt brn gy to drk brn gy	4.50	20.46	43.63	31.42	6.92	0039-1L
1682.00	cut	Sh/Clst: lt brn gy to drk brn gy	4.74	14.88	42.35	38.04	6.75	0047-1L
1700.00	cut	Sh/Clst: lt brn gy to drk brn gy	3.59	16.03	43.33	37.04	4.83	0049-1L
1731.00	swc	Sh/Clst: blk	5.56	17.60	40.55	36.28	34.00	0013-1L
1742.50	ccp	Sh/Clst: brn blk	4.46	15.59	37.48	42.47	8.68	0026-1L
1787.00	cut	Sh/Clst: blk to brn blk	11.56	17.31	38.49	32.64	71.93	0074-2L
1798.00	swc	Sh/Clst: dsk y brn to blk	11.44	17.53	42.97	28.07	7.46	0016-1L
1898.00	cut	Sh/Clst: blk to brn blk	10.51	14.47	39.01	36.02	95.31	0063-2L
1922.00	cut	Sh/Clst: blk to brn blk	7.16	14.84	33.50	44.49	45.79	0065-1L
1994.00	cut	Sh/Clst: blk to brn blk	11.32	13.86	35.03	39.78	75.67	0068-4L
2093.00	swc	Sh/Clst: blk	4.91	16.49	43.65	34.94	4.02	0021-1L
2127.00	swc	Sh/Clst: blk	3.61	13.43	33.61	49.35	11.85	0022-1L

Table 7: Visual Kerogen Composition Data for well NOCS 6608/11-2

Depth unit of measure: m

Depth	Typ	Lithology	Amorphous AM%	FA	HA	Algal/Phytoplankton AP%	Cy	Ta	Bo	Di	De	Herbaceous HE%	SP	Cu	De	Woody WO%	FL	NF	De	Coaly CO%	FS	De	SCI	Sample
1402.00	swc	Sh/Clst	90	*		TR	*			**		TR	*	?	**	5		*		5		*	NDP/4.5(??)	0002-1L
1435.00	swc	Sh/Clst	85	*	**	TR				*		5	*	*	**	10		*	**	TR	*	**	4.5	0003-1L
1537.00	swc	Sh/Clst	NDP			NDP						NDP				NDP				NDP			NDP	0004-1L
1584.00	swc	Sltst	75	*		TR	?					5	*	?	**	10		*	**	10	*	**	4.5-5.0(??)	0005-1L
1614.00	swc	Sh/Clst	45	*	**	TR	*			*		30	**	*	*	10		*	*	15	*	*	4.0-4.5	0006-1L
1636.00	swc	Sh/Clst	40	*		TR				*		15	*	**	**	15		*	**	30	*	**	5.5-6.0(??)	0008-1L
1697.00	swc	Sltst	15	*		TR	?					20	*	**	*	20		*	**	45	**	*	4.5(?)	0011-1L
1731.00	swc	Sh/Clst	25	*		10	*			*		15	*	*	*	25		*		25		*	4.5(??)	0013-1L
1737.00	swc	Sh/Clst	25	*		TR	?					15	*	**	*	20		*	*	40	**	*	5.0(?)	0014-1L
1742.50	ccp	Sh/Clst	45	*	**	TR	*					30	**	**	*	15		*	*	10	*	*	5.0	0026-1L
1815.50	swc	Sh/Clst	5	*		TR	*					40	**		*	35		**	*	20	**	*	5.0	0017-1L
1895.00	swc	Sh/Clst	85	*		TR	?			?		5	*	*	**	5		*		5		*	NDP/5.0-5.5(??)	0019-1L
2050.50	swc	Sh/Clst	95	*		TR	?					TR	?	*		TR		*		TR		*	NDP	0020-1L
2093.00	swc	Sh/Clst	55	*	**	TR	*					25	**		*	5		*	**	15	*	**	5.0-5.5	0021-1L
2127.00	swc	Sh/Clst	80	*	*	TR	*					10	*	*	*	5		*	**	5	*	**	4.5-5.0(??)	0022-1L

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