Administration Data

Well Name	6204/10-2A	Location	Norway	Date & Time	04-Dec-97 12:00
Operator	STATOIL	Contractor/Rig	Odfjell Drilling	Interval	8 1/2 in
Operator Rep.	Kai Bue	Contractor Rep.	Håkon Johnson	Dowell Eng.	L. T. Haukås / P. Sayer
Analysis Type	WBM	Fluid System	KCL -POLYMER	Spud Date	21-Nov-1997

DRILLING FLUIDS PROPERTIES RECORD - From 21-Nov-1997 02:30 to 04-Dec-1997 12:00

Property Name	Units	1	2	3	4	5	6	7	8	9	10	11	12	13
Date		21-Nov-97	21-Nov-97	21-Nov-97	21-Nov-97	22-Nov-97	22-Nov-97	22-Nov-97	23-Nov-97	23-Nov-97	23-Nov-97	23-Nov-97	24-Nov-97	24-Nov-97
Time		05:06	10:45	16:15	22:00	10:30	16:56	23:50	04:43	10:45	16:50	22:29	16:45	22:00
Sample loc.		Active S	FlowLine	FlowLine	Active S	FlowLine	Active S	Active S	FlowLine	Active S	Active S	Active S	Active S	Active S
MD	m	177.	1238.	1305.	1385.	1443.	1562.	1697.	1789.	1909.	1996.	2096.	2114.	2121.
TVD	m		1237.	1302.		1428.	1526.	1631.	1706.	1789.	1851.	1923.	1936.	1941.
Hole Angle	deg		8.	14.2		25.5	38.3	39.		43.	43.	44.1	43.	43.
Flow. Temp.	degC						21.8		24.	24.	25.	26.		
Density		1.32	1.32	1.32	1.32	1.32	1.37	1.37	1.37	1.37	1.37	1.37	1.37	1.37
Funnel Visc.	s	55	53	53	66	59	57	56	57	58	66	61	63	64
600 rpm		53	55	53	74	60	59	58	61	64	74	70	63	64
300 rpm		37	40	40	56	45	44	43	45	47	55	50	45	47
200 rpm		31	33	32	46	38	37	36	37	39	46	41	38	38
100 rpm		23	25	25	35	30	29	27	28	29	35	29	28	28
60 rpm		18	20	19	29	24	23	22	23	24	27	24	23	23
30 rpm		14	16	16	23	19	18	17	18	18	19	17	18	17
6 rpm		8	9	8	14	11	10	9	9	10	10	9	9	9
3 rpm		6	7	6	11	9	8	7	7	8	8	7	7	7
Plastic Visc.	cP	16.	15.	13.	18.	15.	15.	15.	16.	17.	19.	20.	18.	17.
Yield Point	Pa	10	12	13	18	14	14	13	14	14	17	14	13	14
10 sec. Gel	Pa	4	4	4	5	5	4	4	4	4	5	4	4	4
10 min. Gel	Pa	5	6	5	9	9	7	7	7	8	8	6	6	7
n-annulus		0.395	0.378	0.412	0.353	0.349	0.37	0.394	0.404	0.385	0.419	0.427	0.404	0.413
K-annulus	Pa·s^n	1.61	1.929	1.566	3.158	2.601	2.235	1.88	1.85	2.183	2.065	1.783	1.85	1.822
API Filtrate	mL	2.7	3.	3.9	3.5	3.4	3.4	3.6	3.1	2.5	2.2	1.9	2.	2.
API Cake	1/32nd"	1	1	1	1	1	1	1	1	1	1	1	1	1
Pm	mL	0.4	0.3	0.3	0.05	0.05	0.05	0.02	0.02	0.02	0.02	0.01	0.01	0.01
Pf	mL	0.1	0.05	0.05	0.05	0.05	0.05	0.02	0.02	0.02	0.02	0.01	0.01	0.01
Mf	mL	0.4	0.45	0.4	0.5	0.5	0.5	0.53	0.05	0.45	0.45	0.55	0.5	0.5
pH		8.5	8.5	8.5	8.2	8.2	8.3	8.	8.1	8.1	8.	8.	8.	8.
Total Hard.	mg/L	881.7	761.5	761.5	801.6	841.6	881.7	1122.2	1162.3	1202.3	1202.3	1082.1	1082.1	1082.1
Ca2+	mg/L	801.6	681.3	681.3	641.2	641.2	681.3	841.6	841.6	841.6	841.6	761.5	761.5	761.5
Mg2+	mg/L	48.6	48.6	48.6	97.2	121.5	121.5	170.1	194.4	218.7	218.7	194.4	194.4	194.4
K+	g/L	60.	68.1	74.	67.	73.4	69.2	65.5	66.	71.3	70.7	74.9	75.5	76.
Cl-	g/L	61.	65.	65.	67.	66.	65.	67.	68.	71.	73.	80.	80.	80.
KCl	kg/m3	115.	130.	140.	128.	140.	132.	125.	126.	136.	135.	143.	144.	145.
Excess Lime	kg/m3	0.2	0.2	0.2	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
Sand %	%	0.2	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.4	0.4
Water %	%	87.	86.	85.	85.	86.	84.	84.	84.	84.5	84.	84.	84.	84.
Brine %	%	91.4	90.8	90.	89.8	91.	88.7	88.7	88.7	89.6	89.1	89.6	89.6	89.6
Corr. Solids %	%	8.6	9.2	10.	10.2	9.	11.3	11.3	11.3	10.4	10.9	10.4	10.4	10.4

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Schlumberger
Dowell

Administration Data					
Well Name	6204/10-2A	Location	Norway	Date & Time	04-Dec-97 12:00
Operator	STATOIL	Contractor/Rig	Odfjell Drilling	Interval	8 1/2 In
Operator Rep.	Kal Bue	Contractor Rep.	Håkon Johnson	Dowell Eng.	L. T. Haukås / P. Sayer
Analysis Type	WBM	Fluid System	KCL -POLYMER	Spud Date	21-Nov-1997

DRILLING FLUIDS PROPERTIES RECORD - From 21-Nov-1997 02:30 to 04-Dec-1997 12:00

Property Name	Units	14	15	16	17	18	19	20	21	22	23			
Date		25-Nov-97	25-Nov-97	26-Nov-97	26-Nov-97	27-Nov-97	28-Nov-97	29-Nov-97	30-Nov-97	01-Dec-97	02-Dec-97			
Time		12:00	22:30	04:15	22:00	22:00	22:00	22:00	22:00	16:45	03:00			
Sample loc.		Active S	FlowLine	FlowLine	Active S	Active S	Active S	Active S	Active S	Active S	FlowLine			
MD	m	2121.	2238.	2287.	2290.	2290.	2290.	1000.	1000.	989.	550.			
TVD	m	1941.	2020.	2049.	2051.	2051.								
Hole Angle	deg	45.	49.7	51.7		51.7								
Flow. Temp.	degC		22.	23.						11.	14.			
Density		1.37	1.37	1.37	1.37	1.37	1.37	1.08	1.08	1.08	1.09			
Funnel Visc.	s	67	68	67	66	66	66	43	73	50	45			
600 rpm		65	75	69	69	69	69	44	65	42	35			
300 rpm		47	54	49	50	50	50	31	54	33	26			
200 rpm		38	45	40	41	41	41	25	49	28	22			
100 rpm		28	33	30	30	30	30	18	41	22	18			
60 rpm		23	26	24	25	25	25	14	37	19				
30 rpm		19	19	18	18	18	18	11	32	16				
6 rpm		9	10	9	9	9	9	6	23	10	6			
3 rpm		7	8	7	7	7	7	5	20	8	4			
Plastic Visc.	cP	18.	21.	20.	19.	19.	19.	13.	11.	9.	9.			
Yield Point	Pa	14	16	14	15	15	15	9	21	11	8			
10 sec. Gel	Pa	4	4	4	4	4	4	3	10	4	6			
10 min. Gel	Pa	6	8	7	7	7	7	3	12	5	10			
n-annulus		0.413	0.415	0.423	0.427	0.427	0.427	0.396	0.216	0.308	0.406			
K-annulus	Pa·s^n	1.822	2.079	1.795	1.783	1.783	1.783	1.339	7.189	2.475	1.053			
API Filtrate	mL	1.9	1.9	1.9	1.9	1.9	2.				8.2			
API Cake	1/32nd"	1	1	1	1	1	1				1			
Pm	mL	0.05	0.05	0.01	0.01	0.01	0.01	2.	2.	1.9	0.5			
Pf	mL	0.05	0.05	0.01	0.01	0.01	0.01	0.1	0.1	0.1	0.08			
Mf	mL	0.55	0.6	0.55	0.55	0.55	0.55	0.3	0.3	0.3	0.4			
pH		8.	8.	8.	8.	8.	8.5	10.	10.	9.7	10.			
Total Hard.	mg/L	961.9	921.8	921.8	921.8	921.8	921.8	360.7	360.7	360.7	480.9			
Ca2+	mg/L	641.2	641.2	641.2	641.2	641.2	641.2	200.4	200.4	200.4	400.8			
Mg2+	mg/L	194.4	170.1	170.1	170.1	170.1	170.1	97.2	97.2	97.2	48.6			
K+	g/L	77.	78.	77.5	77.5	77.5	74.4	10.5	10.5	10.	95.			
Cl-	g/L	82.	85.	85.	85.	85.	84.	25.	25.	25.	25.			
KCl	kg/m3	147.	149.	148.	148.	148.	142.	20.	20.	19.	17.5			
Excess Lime	kg/m3	0.	0.	0.	0.	0.	0.	1.4	1.4	1.3	0.3			
Sand %	%	0.3	0.3	0.3	0.3	0.3	0.3	0.	0.	0.				
Water %	%	84.	84.	84.	84.	84.	84.	96.5	96.5	96.5	96.5			
Brine %	%	89.7	89.9	89.9	89.9	89.9	89.7	98.	98.	98.				
Corr. Solids %	%	10.3	10.1	10.1	10.1	10.1	10.3	2.	2.	2.				

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* Mark of Schlumberger

STATOIL

Title:
Geochemical study of Well 6204/10-2A BA 98-1281-1

Document no.:	Contract no./project no.:	Filing no.:

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Subjects:
The confidence level of the geochemical interpretation is uncertain, due to several types of mud contamination, which should not be present in the mud. **See summary page 1**

Remarks:

Valid from:	Updated:

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Approved:	Name:	Date/Signature:
LTEK-PE	**Per Emil Eliassen**	16/7-98 Per Emil Eliassen

Table 1. Analytical programme

		<----------screening---------->					
Sample depth	Sample type	Table 2 Headspace/ occluded gas	Table 2 Headspace $d^{13}C_1$	Table 3 Lithologica descr.	Table 4 Vitrinite reflectance	Table 5 TOC	Table 5 Rock Eva
1300.00	cutt			x		x	x
1310.00	cutt			x		x	x
1320.00	cutt			x		x	x
1330.00	cutt			x		x	x
1977.00	cutt			x		x	x
1986.00	cutt			x		x	x
1992.00	cutt			x		x	x
2001.00	cutt			x		x	x
2010.00	cutt			x		x	x
2019.00	cutt			x		x	x
2025.00	cutt			x		x	x
2031.00	cutt			x		x	x
2037.00	cutt			x		x	x
2064.00	cutt			x		x	x
2076.00	cutt			x		x	x
2091.00	cutt			x		x	x
2110.25	ccp						x
2114.58	ccp						x
2114.80	ccp					x	x
2120.14	ccp						x
2160.00	cutt			x		x	x
2205.00	cutt			x		x	x
2223.00	cutt			x		x	x
2253.00	cutt			x		x	x
2280.00	cutt			x		x	x
2100.00	mud						
2200.00	mud						
	Total	0	0	21	0	22	25

Sample depth	Table 6 TE-GC	Table 6 Py-GC	Table 7 Kerogen description	Table 8 Bulk composition	Table 9 GC sats	Table 9 GC arom
1300.00						
1310.00						
1320.00						
1330.00						
1977.00						
1986.00						
1992.00						
2001.00						
2010.00						
2019.00						
2025.00						
2031.00						
2037.00						
2064.00						
2076.00						
2091.00						
2110.25						
2114.58						
2114.80						
2120.14					x	x
2160.00						
2205.00						
2223.00						
2253.00						
2280.00						
2100.00						
2200.00						
	0	0	0	0	1	1

Sample depth	Table 10	Table 10 Carbon isotopes of....	Table 10	Table 11 GCMS SAT	Table 12 GCMS ARO	Tables 11 & 12 GCMS EOM	Table 13 Light HCs	Table 14 Gas	Other analyses
	kerogen	oil/EOM	fractions					composition	EOM-GC
1300.00									
1310.00									
1320.00									
1330.00									
1977.00									
1986.00									
1992.00									
2001.00									
2010.00									
2019.00									
2025.00									
2031.00									
2037.00									
2064.00									
2076.00									
2091.00									
2110.25									
2114.58									
2114.80									
2120.14				x	x	x			x
2160.00									
2205.00									
2223.00									
2253.00									
2280.00									
2100.00						x			x
2200.00									
	0	0	0	1	1	2	0	0	2

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Table 3: Lithology description for well NOCS 6204/10-2A

Depth unit of measure: m

Depth Int	Depth Cvd	Type TOC%	%	Grp Frm Age Lithology description	Trb	Sample
1300.00						0001
			75	Sh/Clst: m gy to drk gy, ol gy to ol blk, sft		0001-1L
			25	Ca : w, dol		0001-2L
		0.64		bulk		0001-0B
1310.00						0002
			75	Sh/Clst: m gy to drk gy, ol gy to ol blk, sft		0002-1L
			25	Ca : w, dol		0002-2L
		0.68		bulk		0002-0B
1320.00						0003
			90	Sh/Clst: m drk gy to drk gy, ol gy, sft		0003-1L
			10	Ca : w, dol		0003-2L
		0.64		bulk		0003-0B
1330.00						0004
			90	Sh/Clst: m drk gy to drk gy, ol gy, sft		0004-1L
			10	Ca : w, dol		0004-2L
		0.61		bulk		0004-0B
1977.00						0005
			70	Sh/Clst: m gy to m drk gy, ol gy		0005-1L
			30	Ca : w, s, dol		0005-2L
		0.56		bulk		0005-0B
1986.00						0006
			70	Sh/Clst: m gy to m drk gy, ol gy		0006-1L
			30	Ca : w, s, dol		0006-2L
		0.89		bulk		0006-0B

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Table 3: Lithology description for well NOCS 6204/10-2A

Depth unit of measure: m

Depth Int	Depth Cvd	Type TOC%	%	Grp	Frm	Age	Trb	Sample	Lithology description
1992.00								0007	
			85					0007-1L	Sh/Clst: m gy to m drk gy, ol gy
			15					0007-2L	Ca : w, s, dol
		0.93						0007-0B	bulk
2001.00								0008	
			85					0008-1L	Sh/Clst: m gy to m drk gy, ol gy
			15					0008-2L	Ca : w, s, dol
		0.97						0008-0B	bulk
2010.00								0009	
			85					0009-1L	Sh/Clst: m gy to m drk gy, ol gy
			15					0009-2L	Ca : w, s, dol
		0.97						0009-0B	bulk
2019.00								0010	
			85					0010-1L	Sh/Clst: m gy to m drk gy, ol gy
			15					0010-2L	Ca : w, s, dol
		1.01						0010-0B	bulk
2025.00								0011	
			85					0011-1L	Sh/Clst: m gy to m drk gy, ol gy
			15					0011-2L	Ca : w, s, dol
		0.96						0011-0B	bulk
2031.00								0012	
			85					0012-1L	Sh/Clst: m gy to m drk gy, ol gy
			15					0012-2L	Ca : w, s, dol
		0.90						0012-0B	bulk
2037.00								0013	
			85					0013-1L	Sh/Clst: m gy to m drk gy, ol gy
			15					0013-2L	Ca : w, s, dol
		0.83						0013-0B	bulk

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Table 3: Lithology description for well NOCS 6204/10-2A

Depth unit of measure: m

Depth Int	Depth Cvd	Type TOC%	%	Grp Frm Age / Lithology description	Trb	Sample
2064.00						0014
			85	Sh/Clst: m gy to m drk gy, ol gy		0014-1L
			15	Ca : w, s, dol		0014-2L
		0.84		bulk		0014-0B
2076.00						0015
			85	Sh/Clst: m gy to m drk gy, ol gy		0015-1L
			15	Ca : w, s, dol		0015-2L
		0.87		bulk		0015-0B
2091.00						0016
			80	Sh/Clst: m gy to m drk gy, ol gy, calc		0016-1L
			20	Ca : w, s, dol		0016-2L
		0.80		bulk		0016-0B
2100.00	mud					0028
			70	Sh/Clst: m gy to m drk gy, ol gy, calc		0028-1L
			20	Ca : w, s, dol		0028-2L
			10	S/Sst		0028-3L
2110.25	ccp					0017
			50	S/Sst : w, calc, mic, glauc		0017-1L
			50	Ca : w, s, glauc		0017-2L
2114.58	ccp					0018
			100	S/Sst : w, calc, mic, glauc		0018-1L
2114.80	ccp					0019
			100	Sh/Clst: m gy, calc, s, mic, glauc		0019-1L
		0.56		bulk		0019-0B

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Table 3: Lithology description for well NOCS 6204/10-2A

Depth unit of measure: m

Depth Int	Depth Cvd	Type TOC%	%	Grp	Frm	Age	Trb	Sample	Lithology description
2120.14		ccp						0020	
			100					0020-1L	S/Sst : m gy, calc, s, mic, glauc
2120.14		ccp						0029	
			100					0029-1L	S/Sst : m gy, calc, s, mic, glauc
2160.00								0021	
			70					0021-1L	Sh/Clst: m gy
			20					0021-2L	Ca : lt gy, s
			10					0021-3L	S/Sst : lt gy, calc
		1.08						0021-0B	bulk
2205.00								0022	
			70					0022-1L	Sh/Clst: m drk gy
			30					0022-2L	Ca : lt gy, s
		0.91						0022-0B	bulk
2223.00								0023	
			90					0023-1L	Sh/Clst: m drk gy
			10					0023-2L	Ca : lt gy, s
		0.92						0023-0B	bulk
2253.00								0024	
			95					0024-1L	Sh/Clst: m drk gy to ol blk
			5					0024-2L	Ca : lt gy, s
		1.24						0024-0B	bulk
2280.00								0025	
			95					0025-1L	Sh/Clst: m drk gy to ol blk
			5					0025-2L	Ca : lt gy, s
		0.95						0025-0B	bulk

Table 5A: Rock-Eval table for well NOCS 6204/10-2A

Depth unit of measure: m

Depth	Typ	Form	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
1300.00	cut		bulk	0.08	0.61	0.86	0.71	0.64	95	134	0.7	0.12	405	0001-0B
1310.00	cut		bulk	0.05	0.49	0.99	0.49	0.68	72	146	0.5	0.09	410	0002-0B
1320.00	cut		bulk	0.08	0.55	0.95	0.58	0.64	86	148	0.6	0.13	429	0003-0B
1330.00	cut		bulk	0.13	0.83	0.73	1.14	0.61	136	120	1.0	0.14	515	0004-0B
1977.00	cut		bulk	0.04	0.34	1.37	0.25	0.56	61	245	0.4	0.11	419	0005-0B
1986.00	cut		bulk	0.05	0.46	1.38	0.33	0.89	52	155	0.5	0.10	419	0006-0B
1992.00	cut		bulk	0.06	0.58	1.16	0.50	0.93	62	125	0.6	0.09	421	0007-0B
2001.00	cut		bulk	0.06	0.76	1.18	0.64	0.97	78	122	0.8	0.07	428	0008-0B
2010.00	cut		bulk	0.08	0.81	1.27	0.64	0.97	84	131	0.9	0.09	427	0009-0B
2019.00	cut		bulk	0.05	0.84	1.36	0.62	1.01	83	135	0.9	0.06	429	0010-0B
2025.00	cut		bulk	0.05	0.78	1.16	0.67	0.96	81	121	0.8	0.06	428	0011-0B
2031.00	cut		bulk	0.04	0.58	1.18	0.49	0.90	64	131	0.6	0.06	427	0012-0B
2037.00	cut		bulk	0.02	0.45	0.99	0.45	0.83	54	119	0.5	0.04	423	0013-0B
2064.00	cut		bulk	0.09	0.52	1.30	0.40	0.84	62	155	0.6	0.15	423	0014-0B
2076.00	cut		bulk	0.03	0.58	0.91	0.64	0.87	67	105	0.6	0.05	427	0015-0B
2091.00	cut		bulk	0.02	0.45	1.17	0.38	0.80	56	146	0.5	0.04	422	0016-0B

Table 5A: Rock-Eval table for well NOCS 6204/10-2A

Depth unit of measure: m

Depth	Typ	Form	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
2110.25	ccp		bulk	0.02	0.10	0.62	0.16	-	-	-	0.1	0.17	380	0017-0B
2114.58	ccp		bulk	0.04	0.18	0.37	0.49	-	-	-	0.2	0.18	333	0018-0B
2114.80	ccp		bulk	0.06	0.58	0.46	1.26	0.56	104	82	0.6	0.09	420	0019-0B
2120.14	ccp		bulk	3.43	0.60	0.39	1.54	-	-	-	4.0	0.85	341	0020-0B
2160.00	cut		bulk	0.18	1.05	1.81	0.58	1.08	97	168	1.2	0.15	425	0021-0B
2205.00	cut		bulk	0.08	0.75	1.60	0.47	0.91	82	176	0.8	0.10	429	0022-0B
2223.00	cut		bulk	0.12	0.68	1.33	0.51	0.92	74	145	0.8	0.15	422	0023-0B
2253.00	cut		bulk	0.07	0.47	1.82	0.26	1.24	38	147	0.5	0.13	422	0024-0B
2280.00	cut		bulk	0.03	0.46	1.54	0.30	0.95	48	162	0.5	0.06	422	0025-0B

Table 5B: 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	0.51	18.56	1.81	10.25	-	-	-	19.1	0.03	417	0189-0B
2.00	std		bulk	0.44	18.00	1.82	9.89	-	-	-	18.4	0.02	419	0190-0B

Table 8a: MPLC Bulk Composition: Weight of EOM and Fraction for well NOCS 6204/10-2A

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
2120.14	ccp	bulk	3.1	4.0	3.0	0.7	0.2	0.1	3.7	0.3	0.10	0020-0B

Table 8b: MPLC Bulk Composition: Concentration of EOM and Fraction (wt ppm rock) for well NOCS 6204/10-2A

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
2120.14	ccp	bulk	1290	967	225	64	32	1193	96	0020-0B

Table 8c: MPLC Bulk Composition: Concentration of EOM and Fraction (mg/g TOC(e)) for well NOCS 6204/10-2A

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
2120.14	ccp	bulk	1290.32	967.74	225.81	64.52	32.26	1193.55	96.77	0020-0B

Table 8d: MPLC Bulk Composition: Material extracted from the rock (%) for well NOCS 6204/10-2A

Depth unit of measure: m

Depth	Typ	Lithology	Sat	Aro	Asph	NSO	Total	HC	Non-HC	Recov. MPLC	Recov. Asph	Sample
2120.14	ccp	bulk	75.00	17.50	5.00	2.50	100.00	92.50	7.50	-	-	0020-0B

Table 8e: MPLC Bulk Composition: Ratios for well NOCS 6204/10-2A

Depth unit of measure: m

Depth	Typ	Lithology	Sat Aro	HC Non-HC	Asp NSO	Sample
2120.14	ccp	bulk	4.29	12.33	2.00	0020-0B

Table 8f: Iatroscan TLC Bulk Composition: Absolute yields in mg/g rock for well NOCS 6204/10-2A

Depth unit of measure: m

Depth	Typ	Lithology	Sat HC	Aro HC	NSO	Asp	HC	Non-HC	EOM	Sample
2120.14	ccp	S/Sst	1.04	0.03	0.09	0.06	1.07	0.16	1.23	0020-1L

Table 8g: Iatroscan TLC Bulk Composition: Rel. percentages of sep. fractions for well NOCS 6204/10-2A

Depth unit of measure: m

Depth	Typ	Lithology	Sat HC	Aro HC	NSO	Asp	Total	HC	Non-HC	Recov. Asp	Sample
2120.14	ccp	S/Sst	84.78	2.54	7.42	5.26	100.00	87.32	12.68	0.84	0020-1L

Table 9a: Quantitative Analysis of Saturated Fraction for well 6204/10-2A

sample	nC15 mg/g sat	nC16 mg/g sat	iC18 mg/g sat	nC17 mg/g sat	Pr mg/g sat	nC18 mg/g sat	Ph mg/g sat	nC19 mg/g sat	nC20 mg/g sat	nC21 mg/g sat	nC22 mg/g sat	nC23 mg/g sat	nC24 mg/g sat	nC25 mg/g sat	nC26 mg/g sat	nC27 mg/g sat	nC28 mg/g sat	nC29 mg/g sat	nC30 mg/g sat	nC31 mg/g sat	nC32 mg/g sat	nC33 mg/g sat	nC34 mg/g sat
2120.14m	0.83	0.86	0.34	0.98	0.58	1.02	0.63	1.72	2.07	1.90	1.41	1.18	0.87	0.80	0.88	0.39	0.43	0.64	0.39	0.25	0.18	0.39	0.14

Table 9B: Saturated Hydrocarbon Ratios (peak area) for well NOCS 6204/10-2A

Depth unit of measure: m

Depth	Typ	Lithology	Pristane / nC17	Pristane / Phytane	Pristane/nC17 / Phytane/nC18	Phytane / nC18	CPI1	nC17 / nC17+nC27	Sample
2120.14	ccp	bulk	0.59	0.92	0.96	0.61	0.96	0.71	0020-0B

Table 9Ca: Aromatic Hydrocarbon Ratios (peak area) for well NOCS 6204/10-2A

Depth unit of measure: m

Depth	Typ	Lithology	MNR	DMNR	BPhR	2/1MP	MPI1	MPI2	Rc	DBT/P	4/1MDBT	(3+2) /1MDBT	Sample
2120.14	ccp	bulk	-	-	-	-	-	-	-	-	-	-	0020-0B

Table 9Cb: Aromatic Hydrocarbon Ratios (peak area) for well NOCS 6204/10-2A

Depth unit of measure: m

Depth	Typ	Lithology	F1	F2	Sample
2120.14	ccp	bulk	-	-	0020-0B

Table 11a: Variation in Triterpane Distribution (peak height) SIR for Well NOCS 6204/10-2A

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
2100.00	mud	1.13	0.53	0.18	0.72	0.42	0.06	0.16	0.22	0.14	0.17	0.91	0.42	0.10	61.09	0028-0
2120.14	eom	0.36	0.27	0.19	0.81	0.45	0.14	0.18	0.22	0.15	2.54	0.92	0.45	0.08	58.80	0020-0
2120.14	sat	0.43	0.30	0.17	0.74	0.42	0.13	0.16	0.21	0.14	1.77	0.92	0.43	0.09	58.76	0029-0

List of Triterpane Distribution Ratios

Ratio 1: 27Tm / 27Ts

Ratio 2: 27Tm / 27Tm+27Ts

Ratio 3: 27Tm / 27Tm+30aß+30ßa

Ratio 4: 29aß / 30aß

Ratio 5: 29aß / 29aß+30aß

Ratio 6: 30d / 30aß

Ratio 7: 28aß / 30aß

Ratio 8: 28aß / 29aß

Ratio 9: 28aß / 28aß+30aß

Ratio 10: 24/3 / 30aß

Ratio 11: 30aß / 30aß+30ßa

Ratio 12: 29aß+29ßa / 29aß+29ßa+30aß+30ßa

Ratio 13: 29ßa+30ßa / 29aß+30aß

Ratio 14: 32aßS / 32aßS+32aßR (%)

Table 11b: Variation in Sterane Distribution (peak height) SIR for Well NOCS 6204/10-2A

Depth unit of measure: m

Depth	Lithology	Ratio1	Ratio2	Ratio3	Ratio4	Ratio5	Ratio6	Ratio7	Ratio8	Ratio9	Ratio10	Sample
2100.00	mud	0.65	44.34	74.81	1.16	0.77	0.28	0.19	0.60	0.80	2.67	0028-0
2120.14	eom	0.89	53.04	74.85	3.00	0.74	0.81	0.64	0.60	1.13	3.17	0020-0
2120.14	sat	0.86	51.60	76.05	2.80	0.75	0.79	0.64	0.61	1.07	3.28	0029-0

List of Sterane Distribution Ratios

Ratio 1: 27dßS / 27dßS+27aaR

Ratio 2: 29aaS / 29aaS+29aaR (%)

Ratio 3: 2*(29ßßR+29ßßS) / (29aaS+29aaR + 2*(29ßßR+29ßßS)) (%)

Ratio 4: 27dßS+27dßR+27daR+27daS / 29dßS+29dßR+29daR+29daS

Ratio 5: 29ßßR+29ßßS / 29ßßR+29ßßS+29aaS

Ratio 6: 21a+22a / 21a+22a+29aaS+29ßßR+29ßßS+29aaR

Ratio 7: 21a+22a / 21a+22a+28daS+28aaS+29daR+29aaS+29ßßR+29ßßS+29aaR

Ratio 8: 29ßßR+29ßßS / 29aaS+29ßßR+29ßßS+29aaR

Ratio 9: 29aaS / 29aaR

Ratio 10: 29ßßR+29ßßS / 29aaR

Table 11c: Raw triterpane data (peak height) m/z 191 SIR for Well NOCS 6204/10-2A

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	30O	30aß	30ßa	30G	31aßS	
		31aßR	32aßS	32aßR	33aßS	33aßR	34aßS	34aßR	35aßS	35aßR	
2100.00	mud	5848.2	3410.2	2316.8	3030.3	1972.6	4396.4	4988.5	3226.2	4287.8	0028-0
		14535.8	4415.3	1254.9	1629.4	803.1	20283.5	1924.6	806.3	10619.0	
		6750.4	5963.7	3798.4	5066.4	3295.7	2989.2	1840.8	2666.4	1745.5	
2120.14	eom	85786.9	64056.7	25585.1	30773.9	13655.3	17414.8	6310.4	4499.5	2174.1	0020-0
		20539.0	8559.3	3564.6	1485.4	0.0	25207.7	2214.9	0.0	10524.4	
		6956.3	5365.2	3759.4	3130.5	2137.4	1468.4	1058.0	1064.8	693.7	
2120.14	sat	158595.7	104243.4	43402.6	52891.4	25140.5	30270.4	13070.9	9239.8	3868.2	0029-0
		43411.9	17957.2	7712.4	4204.6	0.0	58905.1	5275.6	1565.1	24154.0	
		16582.4	13015.3	9134.8	8041.7	5478.0	4114.9	2737.4	2735.4	1755.3	

Table 11d: Raw sterane data (peak height) m/z 217 SIR for Well NOCS 6204/10-2A

Depth unit of measure: m

Depth	Lithology	21a	22a	27dßS	27dßR	27daR	27daS	28dßS	28dßR	28daR*	Sample
		29dßS*	28daS*	27aaR	29dßR	29daR	28aaS	29daS*	28ßßS		
		28aaR	29aaS	29ßßR	29ßßS	29aaR					
2100.00	mud	3425.4	1994.3	6705.5	3551.8	1644.2	1628.5	3563.6	2030.7	3110.7	0028-0
		7065.5	4242.1	3580.3	1043.2	590.3	1620.5	3011.8	3505.9		
		1483.5	2455.5	4597.4	3627.8	3082.5					
2120.14	eom	54788.6	24838.8	85156.9	52928.5	21295.9	20001.9	29053.7	15856.6	10463.7	0020-0
		31295.9	15503.5	10032.5	16246.8	6421.2	3875.5	5802.0	8331.3		
		2581.4	3994.7	6447.1	4762.0	3537.1					
2120.14	sat	88338.7	41168.2	134317.6	77868.9	31470.7	29242.2	41500.6	22444.8	16484.7	0029-0
		50397.9	23064.2	22738.9	26989.4	10487.3	5942.7	9520.8	13670.7		
		4839.7	7038.3	12440.8	9217.8	6600.8					

* 28daR coel with 27aaS, 29dßS coel with 27ßßR, 28daS coel with 27ßßS, 29daS coel with 28ßßR

Table 11e: Raw sterane data (peak height) m/z 218 SIR for Well NOCS 6204/10-2A

Depth unit of measure: m

Depth	Lithology	27ßßR	27ßßS	28ßßR	28ßßS	29ßßR	29ßßS	30ßßR	30ßßS	Sample
2100.00	mud	7580.1	5997.2	4799.8	5364.7	6281.1	6108.8	1333.4	1167.5	0028-0
2120.14	eom	24116.6	16513.6	8035.1	9455.3	8306.1	7320.8	1290.7	1284.7	0020-0
2120.14	sat	42496.0	29658.9	17159.0	18999.7	17657.0	16351.5	3133.7	2756.0	0029-0

Table 11f: Raw triterpane data (peak height) m/z 177 SIR for Well NOCS 6204/10-2A

Depth unit of measure: m

Depth	Lithology	25nor28aß	25nor30aß	Sample
2100.00	mud	3647.7	3653.1	0028-0
2120.14	eom	4706.8	664.2	0020-0
2120.14	sat	6795.3	721.6	0029-0

Table 11g: Amount of triterpanes (ppb) m/z 191 SIR for Well NOCS 6204/10-2A

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	30O	30aß	30ßa	30G	31aßS	
		31aßR	32aßS	32aßR	33aßS	33aßR	34aßS	34aßR	35aßS	35aßR	
2120.14	sat	163129.3	107223.3	44643.3	54403.3	25859.2	31135.7	13444.6	9503.9	3978.8	0029-0
		44652.8	18470.5	7932.9	4324.8	0.0	60588.9	5426.4	1609.8	24844.5	
		17056.4	13387.4	9396.0	8271.6	5634.6	4232.5	2815.7	2813.6	1805.5	

Table 11h: Amount of steranes (ppb) m/z 217 SIR for Well NOCS 6204/10-2A

Depth unit of measure: m

Depth	Lithology	21a	22a	27dßS	27dßR	27daR	27daS	28dßS	28dßR	28daR*	Sample
		29dßS*	28daS*	27aaR	29dßR	29daR	28aaS	29daS*	28ßßS		
		28aaR	29aaS	29ßßR	29ßßS	29aaR					
2120.14	sat	90863.9	42345.0	138157.2	80094.8	32370.3	30078.2	42686.9	23086.4	16955.9	0029-0
		51838.5	23723.5	23388.9	27760.9	10787.1	6112.6	9793.0	14061.5		
		4978.1	7239.5	12796.5	9481.3	6789.5					

* 28daR coel with 27aaS, 29dßS coel with 27ßßR, 28daS coel with 27ßßS, 29daS coel with 28ßßR

Table 11i: Amount of standard and weight of sample for Well NOCS 6204/10-2A

Depth unit of measure: m

Depth	Lithology	Standard	Amount	Weight	Sample
2120.14	sat	209398.8	1.400	6.5	0029-0

Table 12a: Variation in Triaromatic Sterane Distribution (peak height) for Well NOCS 6204/10-2A

Depth unit of measure: m

Depth	Lithology	Ratio1	Ratio2	Ratio3	Ratio4	Ratio5	Sample
2100.00	mud	0.73	0.59	0.38	0.41	0.55	0028-0
2120.14	eom	0.48	0.42	0.20	0.24	0.26	0020-0
2120.14	sat	0.46	0.49	0.21	0.19	0.27	0029-0

Ratio1: a1 / a1 + g1
Ratio2: b1 / b1 + g1
Ratio3: a1 + b1 / a1 + b1 + c1 + d1 + e1 + f1 + g1
Ratio4: a1 / a1 + e1 + f1 + g1
Ratio5: a1 / a1 + d1

Table 12b: Variation in Monoaromatic Sterane Distribution (peak height) for Well NOCS 6204/10-2A

Depth unit of measure: m

Depth	Lithology	Ratio1	Ratio2	Ratio3	Ratio4	Sample
2100.00	mud	0.30	0.25	0.19	0.16	0028-0
2120.14	eom	0.32	0.24	0.20	0.16	0020-0
2120.14	sat	0.22	0.15	0.13	0.11	0029-0

Ratio1: A1 / A1 + E1
Ratio2: B1 / B1 + E1
Ratio3: A1 / A1 + E1 + G1
Ratio4: A1+B1 / A1+B1+C1+D1+E1+F1+G1+H1+I1

Table 12c: Aromatisation of Steranes (peak height) for Well NOCS 6204/10-2A

Depth unit of measure: m

Depth	Lithology	Ratio1	Ratio2	Sample
2100.00	mud	0.51	0.77	0028-0
2120.14	eom	0.19	0.95	0020-0
2120.14	sat	0.44	0.86	0029-0

Ratio1: $\frac{C1+D1+E1+F1+G1+H1+I1}{C1+D1+E1+F1+G1+H1+I1 + c1+d1+e1+f1+g1}$ Ratio2: g1 / g1 + I1

Table 12d: Raw triaromatic sterane data (peak height) m/z 231 for Well NOCS 6204/10-2A

Depth unit of measure: m

Depth	Lithology	a1	b1	c1	d1	e1	f1	g1	Sample
2100.00	mud	609.8	332.7	148.4	498.0	261.4	385.6	228.7	0028-0
2120.14	eom	1013.0	809.0	1250.9	2899.1	1034.8	1053.1	1110.6	0020-0
2120.14	sat	68542.9	79538.3	74571.0	183676.0	111004.9	91765.4	81961.2	0029-0

Table 12e: Raw monoaromatic sterane data (peak height) m/z 253 for Well NOCS 6204/10-2A

Depth unit of measure: m

Depth	Lithology	A1	B1	C1	D1	E1	F1	G1	H1	I1	Sample
2100.00	mud	178.0	131.8	256.0	238.1	406.0	88.5	351.8	171.6	66.6	0028-0
2120.14	eom	199.1	132.5	290.6	215.6	414.9	99.4	395.3	237.2	56.6	0020-0
2120.14	sat	32138.2	20197.0	56214.2	55910.9	113940.8	23652.2	98302.3	61432.6	13808.3	0029-0