

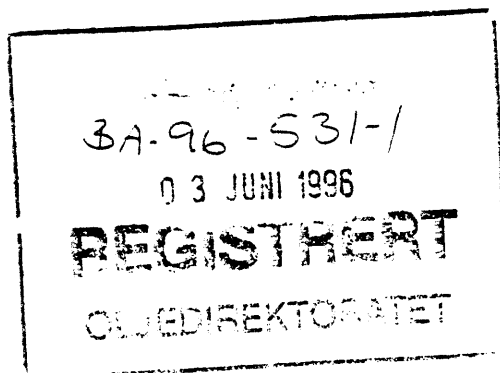
# Mud Properties, daily record

Well: 6204/10-1

Operator: STATOIL

Rig: Deepsea Berge

FSR no	Date	Depth	MW	T	FV	VG-meter readings @ 50C								AV	PV	YP	Gel 10s	Gel 10 m	API	pH	PI	Mf	Cl- x 1000	TH	Ca++	KCl	Solids corr	MBT	HGS	LGS	Sand %
						600 rpm	300 rpm	200 rpm	100 rpm	60 rpm	30 rpm	6 rpm	3 rpm																		
<b>36" Section: Bentonite/Anch 2000/seawater</b>																															
1	28-10	273	1,40		100+																										
<b>17 1/2" Section: Bentonite/Anch 2000/seawater</b>																															
2	29-10	490	1,40		100+																										
3	30-10	490	1,40		100+																										
<b>12 1/4" Section: KCl Polymer</b>																															
4	31-10	808	1,14	23	68	63	45	39	29	24	19	12	9	32	18	13,5	5	10	3,4	8,4	0,00	0,20	65,0	400	200	130	3,9	3	0	100	1,30
5	01-11	967	1,13	23	80	64	46	40	30	25	20	12	9	32	18	14,0	5	11	3,7	8,3	0,00	0,35	75,0	560	240	155	2,4	3	0	63	0,70
6	02-11	1610	1,14	39	67	66	48	41	32	27	21	14	10	33	18	15,0	6	10	2,8	8,1	0,00	0,60	62,0	840	280	147	9,1	4	3	103	0,60
7	03-11	1610	1,21	27	65	53	38	31	23	18	14	10	6	27	15	11,5	4	8	3,2	8,1	0,00	0,70	66,0	840	400	130	6,6	12	70	129	0,70
8	04-11	1649	1,25	26	123	93	69	58	44	36	29	17	14	47	24	22,5	8	14	2,6	9,5	0,40	1,80	75,0	600	100	140	7,9	11	99	143	0,70
9	05-11	1649	1,25	18	85	73	51	42	31	25	19	10	8	37	22	14,5	5	8	3,1	8,4	0,10	1,00	75,0	680	160	130	7,7	12	108	133	0,50
10	06-11	1649	1,25	16	89	72	50	41	30	22	17	9	6	36	22	14,0	4	7	3,2	8,2	0,00	0,70	75,0	600	140	130	7,7	12	108	133	0,50
<b>8 1/2" Section: KCl Polymer</b>																															
11	07-11	1655	1,25	28	72	70	49	42	31	25	19	10	7	35	21	14,0	5	7	3,2	9,7	0,30	1,50	74,0	760	160	150	7,9	12	103	141	0,50
12	08-11	1814	1,25	31	65	70	50	42	31	26	20	11	8	35	20	15,0	5	8	3,3	8,8	0,00	1,60	77,5	560	400	130	7,6	11	105	132	0,25
13	09-11	1898	1,25	24	71	71	50	42	31	26	20	11	8	36	21	14,5	5	8	3,2	8,6	0,05	1,60	77,0	560	400	130	7,4	12	113	122	0,25
14	10-11	1955	1,25	29	75	71	49	40	29	23	17	8	7	36	22	13,5	4	6	2,4	8,6	0,05	1,20	80,0	520	400	155	7,4	15	102	131	0,25
15	11-11	1989	1,26	21	79	69	47	39	29	23	17	8	7	35	22	12,5	4	6	2,6	8,2	0,10	1,60	79,0	600	320	150,0	7,7	22	119	128	0,25
16	12-11	2110	1,30	37	63	80	55	45	32	26	19	9	7	40	25	15,0	4	6	2,6	8,1	0,05	0,70	82,0	600	240	155,0	8,6	20	183	109	0,50
17	13-11	2558	1,27	39	69	86	59	48	35	28	21	9	7	43	27	16,0	4	6	2,8	8,2	0,10	1,40	80,0	600	300	150,0	8,9	24	108	166	0,75
18	14-11	2579	1,27	19	75	84	57	48	34	28	21	9	7	42	27	15,0	4	6	3,0	8,2	0,10	1,40	79,0	620	300	145,0	8,8	20	103	166	0,75
19	15-11	2612	1,27	20	79	79	54	43	30	24	18	8	5	40	25	14,5	4	6	2,6	8,2	0,10	1,40	78,0	400	200	140,0	9,3	20	88	190	0,25
20	16-11	2632	1,27	29	80	75	52	43	30	24	17	8	6	38	23	14,5	4	6	2,6	8,8	0,15	1,20	78,0	540	240	150,0	9,1	29	94	179	0,40
21	17-11	2681	1,27	32	70	74	50	41	29	23	16	7	5	37	24	13,0	3	6	2,4	8,3	0,15	1,60	80,0	640	240	145,0	7,7	28	146	109	0,15
22	18-11	2709	1,27	20	80	76	50	41	29	23	16	7	5	38	26	12,0	3	6	2,4	8,3	0,15	1,60	80,0	640	240	145,0	7,7	28	146	109	0,15
23	19-11	2709	1,27	20	80	74	50	41	29	23	16	7	5	37	24	13,0	3	6	2,4	8,3	0,15	1,60	80,0	640	240	145,0	7,7	28	146	109	0,15
24	20-11	2709	1,27	20	80	75	50	41	29	23	16	7	5	38	25	12,5	3	6	2,4	8,3	0,15	1,60	80,0	640	240	145,0	7,7	28	146	109	0,15
25	21-11	2709	1,27	20	80	74	50	41	29	23	16	7	5	37	24	13,0	3	6	2,4	8,3	0,15	1,60	80,0	640	240	145,0	7,7	28	146	109	0,15
26	22-11	2709	1,27	20	80	74	50	41	29	23	16	7	5	37	24	13,0	3	6	2,4	8,3	0,15	1,60	80,0	640	240	145,0	7,7	28	146	109	0,15



GEOCHEMICAL REPORT FOR  
WELL NOCS 6204/10-1

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Date: 20.03.96

Table 1 : Lithology description for well NOCS 6204/10-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1260.00	swc					0019
	0.68	100	Sh/Clst:	lt brn gy to brn gy, pyr, sft		0019-1L
1360.00						0001
	0.65	100	Sh/Clst:	lt gy		0001-1L
1450.00						0002
	0.68	100	Sh/Clst:	lt gy		0002-1L
			tr Ca	: w to lt or		0002-2L
1570.00						0003
	0.96	100	Sh/Clst:	lt gy to m gy		0003-1L
1650.00						0004
	1.09	100	Sh/Clst:	lt gy to m gy		0004-1L
			tr Ca	: pl y brn		0004-2L
1775.00	swc					0020
	0.43	100	Sh/Clst:	lt brn gy		0020-1L
1855.00	swc					0021
	0.62	100	Sh/Clst:	lt brn gy, s, sft		0021-1L
			tr S/Sst	: w		0021-2L
2074.00	swc					0009
	0.11	100	S/Sst	: lt gy to m gy, cem, sft		0009-1L

Table 1 : Lithology description for well NOCS 6204/10-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2175.00	swc					0010
	0.62	100	S/Sst	: lt gy to m gy, cem, sft, slt		0010-1L
2305.00	swc					0008
	0.91	100	Sh/Clst:	m gy to drk gy		0008-1L
2395.00						0005
	1.04	100	Sltst	: lt gy to m gy		0005-1L
			tr S/Sst	: w		0005-2L
2495.00	swc					0016
	0.94	100	Sh/Clst:	m gy		0016-1L
2520.00	swc					0022
	0.95	100	S/Sst	: m gy to drk gy, sft, carb		0022-1L
2525.00	swc					0014
	1.46	100	Sltst	: brn blk, Mica-ad, sft, pyr		0014-1L
2527.00	swc					0011
	1.75	100	Sh/Clst:	brn blk, slt		0011-1L
2531.50	swc					0017
	1.19	85	Sltst	: drk gy to brn blk		0017-1L
		15	Cont	: dd		0017-2L
2537.00	swc					0012
	1.78	100	Sh/Clst:	brn blk, slt		0012-1L

Table 1 : Lithology description for well NOCS 6204/10-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2540.00	swc					0018
	1.89	100	Sltst	: brn blk, mic, sft		0018-1L
2545.00	swc					0015
	1.88	100	Sltst	: brn blk, mic, sft		0015-1L
2550.00	swc					0013
	1.48	100	Sltst	: brn blk, mic, sft		0013-1L
2560.00						0006
	1.56		60 Sltst	: m gy to drk gy to brn pi, s, st		0006-1L
			40 S/Sst	: w to lt gy, cem		0006-2L
			bulk			0006-0B
			tr Cont	: prp		0006-3L
2650.00						0007
	1.84		60 Other	: lt gy, m gy, trbofgs		0007-4L
			20 Other	: w, ign, sil		0007-6L
			10 Sltst	: m gy to drk gy to brn pi, s, st		0007-1L
			5 Cont	: prp		0007-3L
			5 Other	: dsk bl gn, w to lt gy, crs,		0007-5L
				Mica-ad, ign		
			tr S/Sst	: w to lt gy, cem		0007-2L

Table 2a: Rock-Eval table for well NOCS 6204/10-1

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
1260.00	swc	Sh/Clst: lt brn gy to brn gy	0.06	0.30	1.38	0.22	0.68	44	203	0.4	0.17	402	0019-1L
1360.00	cut	Sh/Clst: lt gy	0.06	0.35	1.09	0.32	0.65	54	168	0.4	0.15	415	0001-1L
1450.00	cut	Sh/Clst: lt gy	0.03	0.24	1.08	0.22	0.68	35	159	0.3	0.11	423	0002-1L
1570.00	cut	Sh/Clst: lt gy to m gy	0.03	0.39	0.94	0.41	0.96	41	98	0.4	0.07	429	0003-1L
1650.00	cut	Sh/Clst: lt gy to m gy	0.03	0.84	0.83	1.01	1.09	77	76	0.9	0.03	435	0004-1L
1775.00	swc	Sh/Clst: lt brn gy	0.07	0.23	2.33	0.10	0.43	53	542	0.3	0.23	409	0020-1L
1855.00	swc	Sh/Clst: lt brn gy	0.07	0.25	1.87	0.13	0.62	40	302	0.3	0.22	422	0021-1L
2074.00	swc	S/Sst : lt gy to m gy	-	0.06	1.46	0.04	0.11	55	1327	0.1	-	394	0009-1L
2175.00	swc	S/Sst : lt gy to m gy	0.04	0.31	1.18	0.26	0.62	50	190	0.3	0.11	431	0010-1L
2305.00	swc	Sh/Clst: m gy to drk gy	0.06	0.45	1.28	0.35	0.91	49	141	0.5	0.12	429	0008-1L
2395.00	cut	Sltst : lt gy to m gy	0.11	0.85	1.36	0.63	1.04	82	131	1.0	0.11	435	0005-1L
2495.00	swc	Sh/Clst: m gy	0.06	0.40	1.74	0.23	0.94	43	185	0.5	0.13	432	0016-1L
2520.00	swc	S/Sst : m gy to drk gy	0.05	0.28	0.71	0.39	0.95	29	75	0.3	0.15	429	0022-1L
2525.00	swc	Sltst : brn blk	0.04	0.39	0.34	1.15	1.46	27	23	0.4	0.09	430	0014-1L
2527.00	swc	Sh/Clst: brn blk	0.04	0.37	0.46	0.80	1.75	21	26	0.4	0.10	425	0011-1L
2531.50	swc	Sltst : drk gy to brn blk	0.10	0.31	1.03	0.30	1.19	26	87	0.4	0.24	421	0017-1L

Table 2a: Rock-Eval table for well NOCS 6204/10-1

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
2537.00	swc	Sh/Clst: brn blk	0.07	0.54	0.50	1.08	1.78	30	28	0.6	0.11	432	0012-1L
2540.00	swc	Sltst : brn blk	0.04	0.54	0.42	1.29	1.89	29	22	0.6	0.07	437	0018-1L
2545.00	swc	Sltst : brn blk	0.08	0.51	0.33	1.55	1.88	27	18	0.6	0.14	432	0015-1L
2550.00	swc	Sltst : brn blk	0.07	0.54	0.49	1.10	1.48	36	33	0.6	0.11	433	0013-1L
2560.00	cut	bulk	0.11	0.71	1.07	0.66	1.56	46	69	0.8	0.13	429	0006-0B
2650.00	cut	Sltst : m gy to drk gy to brn pi	0.17	0.98	0.87	1.13	1.84	53	47	1.1	0.15	434	0007-1L

Table 2b: Rock-Eval table for well RE, STD

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
1.00	n/a	bulk	0.45	18.42	1.89	9.75	4.25	433	44	18.9	0.02	423	0037-0B
2.00	n/a	bulk	0.51	18.45	1.84	10.03	4.31	428	43	19.0	0.03	422	0038-0B



Table 3 : Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 6204/10-1

Depth unit of measure: m

Depth	Typ	Lithology	C1	C2-C5	C6-C14	C15+	S2 from Rock-Eval	Sample
2305.00	swc	Sh/Clst: m gy to drk gy	11.02	27.68	49.83	11.47	-	0008-1L
2495.00	swc	Sh/Clst: m gy	10.82	25.85	46.62	16.70	-	0016-1L
2527.00	swc	Sh/Clst: brn blk	15.45	23.96	48.33	12.26	-	0011-1L
2531.50	swc	Sltst : drk gy to brn blk	15.49	27.44	47.07	9.99	-	0017-1L
2540.00	swc	Sltst : brn blk	19.56	27.81	44.09	8.54	-	0018-1L
2550.00	swc	Sltst : brn blk	16.62	26.67	46.39	10.32	-	0013-1L
2560.00	cut	bulk	12.53	32.52	46.25	8.70	-	0006-0B
2650.00	cut	Sltst : m gy to drk gy to brn pi	12.61	32.67	44.84	9.88	-	0007-1L

Table 4: Visual Kerogen Composition Data: NOCS 6204/10-1

Depth Units: m

Depth	Spl	Lith	Amorphous			Algal/Phytoplankton						Herbaceous				Woody			Coaly			SCI	
			AM%	FA	HA	AP%	Cy	Ta	Bo	Di	De	HE%	SP	Cu	De	WO%	FL	NF	De	CO%	FS		De
2305.00	swc	Sh/Clst	0			Tr			*				5	*	?	**	60	**	*	35	**	*	4.5-5.0?
2495.00	swc	Sh/Clst	0			5	*		**				10	*	?	**	55	**	*	30	**	*	5.0-5.5
2527.00	swc	Sh/Clst	0			Tr	*		*				5	**	*	*	55	**	*	40	**	*	5.0
2531.50	swc	Sltst	0			Tr			*				5	*	*	**	55	**	*	40	**	*	5.0-5.5
2540.00	swc	Sltst	0			Tr			*				5	*	*	**	45	**	*	50	**	*	5.0-5.5
2550.00	swc	Sltst	0			Tr	*		*				15	*	*	**	55	**	*	30	**	*	5.5
2560.00	cut	Bulk	0			Tr	*		*				10	*	*	**	35	**	*	55	**	*	5.0-5.5



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APPROVED BY	Tor Bjørnstad	1996-03-07	<i>Tor Bjørnstad</i>

Table 1 Vitrinite reflectance data

Well  
6204/10-1

IFE no.	Depth, mRKB	Sample type	Lithology	%Rm	Std. dev.	N	Quality	Preparation
960024	550	cut	clst/sst	0.30	0.02	8	M	HF
960025	670	cut	clst/slst	0.26	0.04	22	M	HF
960026	760	cut	clst/slst	0.27	0.03	18	M	HF
960027	850	cut	clst/slst	0.29	0.04	19	M	HF
960028	940	cut	clst/slst	0.30	0.05	23	M	HF
960029	1060	cut	clst/slst	0.31	0.04	22	M	HF
960030	1150	cut	clst/slst	0.31	0.04	22	M	HF
960031	1247	swc	clst/slst	barren				bulk
960032	1330	cut	clst/slst	0.36	0.04	16	M	HF
960033	1480	cut	clst/slst	0.30	0.04	19	P	HF
960034	1540	cut	clst/slst	0.36	0.07	20	M	HF
960035	1630	cut	clst	0.31	0.04	20	M	HF
960036	1720	cut	clst	0.31	0.04	24	M	HF
960037	1825	cut	clst	0.34	0.03	5	P	HF
960038	1840	cut	clst	0.41	0.06	20	M	HF
960039	2080	cut	clst	0.44	0.05	26	M	HF
960040	2095	cut	clst	0.46	0.07	22	M	HF
960041	2200	cut	clst	0.40	0.03	21	M	HF
960042	2305	cut	clst	0.48	0.07	23	M	HF
960043	2410	cut	clst	0.53	0.03	21	M	HF
960044	2500	cut	clst	0.52	0.06	18	M	HF
960045	2530	cut	clst	0.53	0.06	25	M	HF
960046	2680	cut	clst	0.52	0.06	21	M	HF

G	Good quality	P	Poor quality	st	HC-staining	HF	HF-treated
M	Moderate quality	X	Not vitrinite	Barren	Barren of vitrinite	Bulk	Bulk rock