

Daily mud properties

Date: 29/1-1991

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System : BORE

Well: 2/12-2 S
Mud Contractor: M-I NORGE
Data: "Mid depth" from table 3, otherwise from table 14.

Norsk
Hydro

14. 4

Date	Mid. depth m, MD	Mud Dens. (SG)	PV cp	YP Pa	GEL		pH	100 psi (cc)	HP/HT (cc)	Cl- inn/out mg/l	Alkalinity			Ca++ inn/out mg/l	Oil %	Sol %	H2O %	V.G. meter at 115 gr. F						Mud Type
					0 Pa	10 Pa					Pf	Pm	Mf					600 rpm	300 rpm	200 rpm	100 rpm	6 rpm	3 rpm	
900215	101	1.20	0	0														151	126	116	107	62	56	SPUD
900216	177	1.20	17	20														174	148	128	113	76	60	SPUD
900217	178	1.00	17	20																				SPUD
900218	182	1.00	17	20																				SPUD
900219	451	1.20	26	61																				SPUD
900220	768	1.20	0	0																				SPUD
900221	1094	1.20	19	63																				SPUD
900222	1296	1.20	19	55																				SPUD
900223	1320	1.20	25	21																				SPUD
900224	1320	1.20	20	17																				SPUD
900225	1320	1.20	19	50																				SPUD
900226	1320	1.20	16	52																				SPUD
900227	1320	1.20	17	51																				SPUD
900228	1320	1.20	19	50																				SPUD
900301	1320	1.20	21	50																				SPUD
900302	1320	1.20	26	14																				SPUD
900305	1320	1.20	18	14	4	7	8.0	8.6		39000/			120/											SPUD
900307	1397	1.20	15	10	3	4	9.5	7.8		53000/	0.25	3.00	900/			9								POLYMER
900308	1699	1.58	25	10	3	5	8.5	8.4		65000/63000			680/700			21								KCL
900309	1890	1.58	30	10	3	5	8.5	7.0		69000/69000						22								KCL
900310	1975	1.58	25	10	3	5	9.0	8.4		69000/69000	0.30	0.20	840/840			22								KCL
900311	2105	1.58	29	12	4	7	10.5	8.0		63000/63000	0.40	1.00	1000/1000			22								KCL
900312	2467	1.58	33	8	3	9	9.5	9.5		64000/64000	0.10	0.10	640/640			22								KCL
900313	2790	1.58	33	8	5	15	8.5	8.8		71000/71000			640/640			23								KCL POLYMER
900314	2790	1.58	31	10	5	11	8.5	8.8		65000/65000			520/520			23								KCL POLYMER
900315	2123	1.58	28	9	3	6	8.5	8.8	77.0	71000/71000	1.00		620/620			23								KCL POLYMER
900316	2102	1.62	33	11	5	18	9.5	7.6	77.0	74000/74000	0.20	0.20	680/680			23								KCL POLYMER
900317	2102	1.63	32	7	4	16	8.5	8.0	77.0	68000/68000			250/250			24								KCL POLYMER
900318	2107	1.60	40	10	5	25	8.5	7.6		76000/76000			160/160			24								KCL POLYMER
900319	2126	1.59	28	10	5	22	9.5	7.7		80000/80000			600/600			24								KCL POLYMER
900320	2459	1.58	25	9	4	13	8.5	7.5		84000/84000			600/600			23								KCL POLYMER
900321	2540	1.59	27	12	6	15	7.8	7.9		74000/74000			600/600			24								KCL POLYMER
900322	2651	1.60	33	9	7	15	8.0	8.0		76000/76000			600/600			24								KCL POLYMER
900323	2657	1.59	30	9	9	25	7.6	7.8		69000/69000			600/600			24								KCL POLYMER
900324	2750	1.59	29	9	8	24	8.0	7.8		70000/70000			640/640			25								KCL POLYMER
900325	2800	1.62	23	9	9	21	8.3	7.8		65000/65000			280/280			25								KCL POLYMER
900326	2800	1.62	30	9	12	25	8.4	8.0		65000/65000			520/520			25								KCL POLYMER
900327	2800	1.62	27	8	11	22	8.0	7.8		62000/62000			600/600			26								KCL POLYMER
900328	2800	1.62	28	8	17	32	8.0	9.0		62000/62000			960/960			26								KCL POLYMER
900329	2781	1.62	25	8	17	38	8.0	9.0		61000/61000			960/960			25								KCL
900401	2781	1.53	0	0			8.0	7.5		62000/62000			300/300			19								KCL
900402	2784	1.55	28	12	7	8	9.7	5.8		58000/58000	0.10	0.20	360/360			20								KCL
900403	2784	1.55	28	12	7	8	10.2	5.8		58000/58000	0.40	0.40	650/650			20								KCL
900404	2784	1.53	28	5	3	7	11.5	10.0		59000/59000	1.40	1.60	560/560			82								KCL

Daily mud properties

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29/11/1991

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(ooo)

System : BORE

Norsk
Hydro

Well: 2/12-2 S
Mud Contractor: M-I NORGE
Data: "Mid depth" from table 3, otherwise from table 14.

14. 4

Date	Mid. depth m, MD	Mud Dens. (SG)	PV cp	YP Pa	GEL 0 Pa	GEL 10 Pa	pH	100 psi (cc)	HP/HT (cc)	Cl- inn/out mg/l	Alkalinity			Ca++ inn/out mg/l	Oil %	Sol %	H2O %	V.G 600 rpm	meter 300 rpm	at 200 rpm	115 rpm	100 rpm	6 rpm	3 rpm	Mud Type
											Pf	Pm	Mf												
900405	2784	1.53	25	7	2	5	11.4	9.6		57000/57000	0.70	1.30	1.40	80/80		19		64	39	27	16	3	2	KCL	
900406	2784	1.53	32	15	3	9	11.0	6.2		57000/57000	0.40	1.20	0.80	180/180		19		93	61	49	29	5	4	KCL	
900407	2784	1.53	30	14	5	10	10.0	5.6		58000/58000	1.30	1.20	1.60	200/200		19		88	58	44	30	5	4	KCL	
900408	2784	1.53	29	13	5	8	9.5	5.4		56000/56000	0.20	0.40	0.90	120/120		19		84	55	45	29	6	5	KCL	
900409	2784	1.53	30	14	5	8	8.8	5.4		60000/60000	0.10	0.30	0.60	160/160		19		88	58	44	29	6	5	KCL	
900410	2784	1.53	30	14	5	8	8.6	5.6		59000/59000	0.10	0.40		260/260		19		88	58	45	32	6	5	KCL/POLYMER	
900411	2784	1.53	29	14	5	9	8.6	5.4		59000/59000	0.10	0.30		260/260		19		86	57	44	29	6	5	KCL/POLYMER	
900412	2784	1.53	36	13	5	11	9.0	5.6		58000/58000	0.10	0.40		280/280		20		98	67	50	33	7	5	KCL/POLYMER	
900413	2784	1.53	31	15	5	9	9.0	5.4		58000/58000	0.10	0.40		240/240		20		92	61	47	32	7	5	KCL/POLYMER	
900414	2784	1.53	31	13	5	9	9.0	5.4		58000/58000	0.00			580/580		20		88	57	46	31	7	5	KCL/POLYMER	
900415	2784	1.53	32	9	4	8	10.0	5.8		55000/55000	0.90	1.60		60/60		20		82	50	39	25	5	4	KCL/POLYMER	
900416	2784	1.53	34	8	4	7	9.4	5.8		55000/55000	1.70	2.00		20/20		20		84	50	39	25	5	4	KCL/POLYMER	
900417	2784	1.53	31	11	5	7	9.6	5.8		55000/55000	0.90	2.00	2.00			20		85	54	39	25	5	4	KCL/POLYMER	
900418	2787	1.53	30	14	5	9	9.2	5.6		55000/55000	0.40	1.40		80/80		20		89	59	44	28	6	5	KCL/POLYMER	
900419	2787	1.53	31	12	5	8	9.3	5.8		57000/57000	0.10			240/240		20		87	56	43	28	6	5	KCL/POLYMER	
900420	2787	1.65	34	15	5	9	8.7	5.4		56000/56000	0.10			400/400		23		100	67	52	34	8	6	KCL/POLYMER	
900421	2787	1.65	38	14	5	9	8.8	5.6		57000/57000	0.10		0.60	400/400		23		90	52	49	33	8	6	KCL/POLYMER	
900422	2787	1.65	38	12	5	9	9.5	5.6		52000/52000	0.10		0.80	700/700		23		102	64	53	34	7	5	KCL/POLYMER	
900423	2787	1.65	33	9	5	7	8.5	4.8		52000/52000	0.10		0.80	520/520		23		84	51	43	28	7	6	KCL/POLYMER	
900424	2787	1.65	34	9	6	8	9.0	4.8		50000/50000	0.10			5000/5000		23		86	52	41	29	8	6	KCL/POLYMER	
900425	2787	1.65	38	10	6	11	8.8	5.0		52000/52000	0.10			440/440		23		96	58	47	38	10	6	KCL/POLYMER	
900426	2787	1.65	33	10	5	9	9.0	5.0		51000/51000	0.10			440/440		23		86	53	47	33	8	5	KCL/POLYMER	
900427	2787	1.65	33	10	5	9	8.8	5.0		51000/51000	0.10			520/520		23		86	53	46	34	7	5	KCL/POLYMER	
900428	2787	1.66	37	23	8	17	9.0	4.6		53000/53000	0.10			440/440		23		120	83	65	45	13	9	KCL/POLYMER	
900429	2787	1.65	44	32	10	20	9.0	4.6		51000/51000	0.10			360/360		23		152	108	85	61	16	12	KCL/POLYMER	
900430	2787	1.65	30	11	4	6	9.0	5.8		49000/49000	0.10			400/400		22		82	53	47	36	7	5	KCL/POLYMER	
900501	2787	1.65	35	14	5	8	9.5	6.0		41000/41000	0.20	0.70		100/100		23		98	63	49	32	7	5	KCL/POLYMER	
900502	2607	1.65	33	10	4	8	9.2	6.6		42000/42000	0.30	0.90		60/60		23		85	52	40	27	5	4	KCL/POLYMER	
900503	2682	1.65	33	11	4	8	8.6	5.8		41000/41000	0.10	0.40		160/160		22		88	55	43	29	6	4	KCL/POLYMER	
900504	2698	1.65	37	11	5	8	8.6	5.4		41000/41000	0.10	0.30		240/240		22		95	58	46	32	7	5	KCL/POLYMER	
900505	2906	1.65	34	15	8	14	7.9	4.6		44000/44000	0.00	0.00		460/460		23		108	69	58	40	10	8	KCL/POLYMER	
900506	3147	1.65	31	12	5	11	8.2	5.0		43000/43000	0.00	0.00		600/600		23		87	56	46	32	7	5	KCL/POLYMER	
900507	3346	1.65	33	12	5	11	8.3	5.2	20.0	47000/47000	0.00	0.00		600/600		23		90	57	49	33	8	6	KCL/POLYMER	
900508	3412	1.65	36	8	4	13	8.2	5.1	22.0	50000/50000	0.00	0.00		680/680		23		89	53	42	29	7	5	KCL	
900509	3448	1.65	35	10	7	15	8.2	5.2	20.0	51000/51000	0.00	0.00		560/560		23		90	55	43	30	7	6	KCL	
900510	3448	1.65	31	10	4	12	8.4	5.0	20.0	52000/52000	0.00	0.00		620/620		23		83	52	42	28	6	4	KCL	
900511	3460	1.65	33	9	4	10	8.1	5.0	20.0	55000/55000	0.00	0.00		600/600		23		84	51	37	24	5	4	KCL	
900512	3460	1.65	30	11	4	16	8.2	5.0	20.0	60000/60000	0.00	0.00		680/680		23		83	53	42	27	6	5	KCL	
900513	3471	1.65	37	11	5	23	8.1	4.6	18.0	57000/57000	0.00	0.00		600/600		24		97	60	48	31	7	6	KCL	
900514	3483	1.65	35	11	5	28	8.1	4.8	17.0	55000/55000	0.00	0.00		640/640		24		92	57	48	31	7	5	KCL	
900515	3555	1.65	38	11	6	26	8.2	5.0	20.0	48000/48000	0.00	0.00	0.50	720/720		24		98	60	46	30	7	5	KCL/POLYMER	
900516	3569	1.65	38	13	6	24	8.1	5.0	20.0	52000/52000	0.00	0.00	0.50	480/480		24		102	64	51	35	8	7	KCL/POLYMER	
900517	3585	1.71	34	10	5	16	8.4	4.6	18.0	51000/51000	0.00	0.00	0.50	680/680		26		84	54	38	25	6	4	KCL/POLYMER	

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Daily mud properties

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29/ 991

System : BORE

Norsk
Hydro

Well: 2/12-2 S
Mud Contractor: M-I NORGE
Data: "Mid depth" from table 3, otherwise from table 14.

14.

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Date	Mid depth m, MD	Mud Dens. (SG)	PV cp	YP Pa	GEL		pH	100 psi (cc)	HP/HT (cc)	Cl- inn/out mg/l	Alkalinity			Ca++ inn/out mg/l	Oil %	Sol %	H2O %	V.G. meter at 115 gr. F					Mud Type		
					0 Pa	10 Pa					Pf	Pm	Mf					600 rpm	300 rpm	200 rpm	100 rpm	6 rpm		3 rpm	
900518	3585	1.68	43	12	6	14	8.8	4.6	18.0	52000/52000	0.00	0.00	0.50	680/680	25			112	69	53	34	7	5	KCL/POLYMER	
900519	3585	1.70	35	13	6	11	8.8	4.6	18.0	52000/52000	0.00	0.00	0.50	680/680	75			98	63	47	31	6	5	KCL/POLYMER	
900520	3585	1.66	33	13	4	13	8.8	3.8	14.0	52000/52000	0.10	0.10	0.70	900/900	24			93	60	46	30	6	4	KCL/POLYMER	
900521	3585	1.66	28	16	6	14	9.0	4.0	14.0	52000/52000	0.20	0.20	0.80	880/880	24			89	61	50	32			4	KCL/POLYMER
900522	3645	1.66	34	10	6	10	7.5	3.4	13.0	50000/50000			0.80	680/680	25			88	54	42	27	5	4	KCL	
900523	3645	1.66	35	10	4	9	8.8	3.2	12.0	50000/50000			1.80	280/280	25			90	55	40	26	5	4	KCL	
900524	3683	1.66	34	9	6	9	8.2	3.4	11.2	49000/49000	0.10		1.40	240/240	24			86	52	39	25	5	4	KCL	
900525	3705	1.66	32	9	5	9	8.0	3.2	11.4	49000/49000	0.00	0.00	1.90	200/200	24			81	49	37	24	5	4	KCL	
900526	3755	1.66	37	10	6	9	8.1	3.0	3.0	47000/47000	0.10	0.00	1.80	200/200	25			94	57	44	28	7	5	KCL	
900527	3813	1.65	37	12	2	10	8.2	3.0	8.4	58000/58000	0.00	1.20	240/240	24			100	63	48	31	7	5	KCL		
900528	3832	1.65	38	13	5	9	8.1	3.0	8.0	60000/60000	0.00	1.00	160/160	25			103	65	51	53	7	5	KCL		
900529	3985	1.65	40	12	6	9	8.2	3.0		57000/57000	0.00	1.90	200/200	25			103	63	48	31	7	5	KCL		
900530	4143	1.65	38	10	5	8	8.3	3.2	8.6	57000/57000	0.00	1.50	160/160	25			96	58	45	30	8	6	KCL		
900531	4167	1.66	37	11	5	9	8.5	3.4	9.0	57000/57000		0.00	1.30	180/180	26			95	58	44	29	7	5	KCL	
900601	4207	1.66	38	12	6	10	8.4	3.6	10.2	58000/58000	0.00	1.10	200/200	26			100	62	48	32	9	7	KCL		
900602	4223	1.75	39	12	4	10	9.0	4.0	10.8	57000/57000	0.60	1.20	240/240	30			103	64	52	34	10	8	KCL		
900603	4223	1.80	40	12	4	10	8.9	3.8	10.2	58000/58000	0.40	1.20	260/260	31			105	65	51	34	10	8	KCL		
900604	4223	1.80	40	13	4	10	8.9	3.8	10.2	58000/58000	0.40	1.20	260/260	31			105	65	51	34	10	8	KCL		
900605	4223	1.80	41	12	5	10	9.0	3.8	10.0	58000/58000	0.40	1.20	260/260	31			106	65	50	34	10	9	KCL		
900606	4223	1.80	42	12	5	12	9.0	3.6	10.0	58000/58000	0.30	0.80	320/320	31			108	66	51	34	10	9	KCL		
900607	4223	1.80	42	12	5	12	9.0	3.6	10.0	58000/58000	0.30	0.80	320/320	31			108	66	51	34	10	9	KCL		
900608	4223	1.80	41	13	4	12	9.0	3.6	10.0	58000/58000	0.30	0.80	320/320	31			108	67	51	34	10	9	KCL		
900609	4224	1.80	39	12	4	12	9.0	3.6	10.0	58000/58000	0.80	0.80	400/400	31			101	62	48	31	9	8	KCL		
900610	4228	1.80	39	12	4	12	9.0	3.6	10.0	55000/55000	0.40	0.70	360/360	31			102	63	51	32	10	8	KCL		
900611	4233	1.80	41	11	5	14	9.0	3.6	11.0	57000/57000	0.40	0.80	400/400	31			105	64	50	32	9	8	KCL		
900612	4259	1.80	41	12	6	12	8.6	3.6	10.0	57000/57000	0.40	0.70	440/440	31			106	65	55	36	9	8	KCL		
900613	4276	1.80	37	12	6	13	8.4	3.8	10.4	58000/58000	0.30	0.80	480/480	30			99	62	49	31	9	8	KCL		
900614	4278	1.80	38	13	6	14	8.4	3.8	10.4	58000/58000	0.20	0.70	460/460	31			102	64	50	32	10	9	KCL		
900615	4306	1.80	41	12	5	19	9.5	3.8	10.4	60000/60000	0.20	0.40	1.00	400/400	32			106	65	54	34	11	10	KCL	
900616	4313	1.80	38	11	4	15	9.6	3.6	10.4	60000/60000	0.20	0.30	0.90	400/400	30			98	60	48	31	9	8	KCL	
900617	4313	1.80	29	10	4	12	9.1	4.0	11.0	58000/58000	0.20	0.80	400/400	29			78	49	38	24	6	4	KCL		
900618	4313	1.80	32	8	4	10	9.3	3.8	11.0	55000/55000	0.20	0.80	400/400	29			80	48	39	26	6	5	KCL		
900619	4313	1.80	32	8	4	10	9.3	3.8	11.0	55000/55000	0.20	0.80	400/400	29			80	48	39	26	6	5	KCL		
900620	4313	1.80	32	8	4	10	9.3	3.8	11.0	55000/55000		0.20	0.80	400/400	29			80	48	39	26	6	5	KCL	
900621	4313	1.80	31	9	4	11	9.3	3.4	10.2	48000/48000	0.10	0.20	0.80	720/720	29			80	49	37	25			5	KCL
900622	4313	1.80	31	9	4	10	9.2	5.4	10.2	48000/48000	0.10	0.20	0.80	720/720	29			79	48	37	25	6	5	KCL	
900623	4313	1.80	31	8	4	10	9.2	3.4	10.2	48000/48000	0.10	0.20	0.80	720/720	29			79	48	37	25	6	5	KCL	
900624	4313	1.80	24	8	3	10	9.1	3.4	10.4	49000/49000	0.10	0.20	0.80	720/720	29			63	39	29	19	5	4	KCL	
900625	4313	1.80	24	7	3	10	9.1	3.4	10.4	49000/49000	0.10	0.20	0.80	720/720	29			63	39	29	19	5	4	KCL	
900626	4313	1.80	26	9	3	10	9.1	3.2	10.4	49000/49000	0.10		0.60	720/720	28			72	44	31	20	6	5	KCL	
900627	4313	1.80	30	8	5	14	8.8	3.9	13.8	50000/50000			0.90	440/440	71			76	46	36	27	6	5	KCL	
900628	4313	1.81	27	7	4	12	8.7	4.0	14.0	50000/50000			0.70	440/440	29			67	41	31	20	5	4	KCL	
900629	4313	1.80	27	7	4	18	8.7	4.4	14.0	50000/50000			0.70	376/376	29			69	42	33	21	6	4	KCL	

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Daily mud properties

System : BORE

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29/1991

Norsk
Hydro

Well: 2/12-2 S
Mud Contractor: M-I NORGE
Data: "Mid depth" from table 3, otherwise from table 14.

14.

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Date	Mid. depth m, MD	Mud Dens. (SG)	PV cp	YP Pa	GEL 0 Pa	GEL 10 Pa	pH	100 psi (cc)	HP/HT (cc)	Cl- inn/out mg/l	Alkalinity			Ca++ inn/out mg/l	Oil %	Sol %	H2O %	V.G. meter at 115 gr. F					Mud Type	
											Pf	Pm	Mf					600 rpm	300 rpm	200 rpm	100 rpm	6 rpm		3 rpm
900630	4326	2.02	29	8	5	19	8.9	5.0	13.0	45000/45000	0.00		0.80	130/120		36		75	46	36	25	8	7	KCL
900701	4346	2.02	29	8	4	13	9.2	5.0	13.0	47000/47000	0.10	0.30	1.00	440/440		36		75	46	36	28	8	6	KCL
900702	4417	2.06	27	12	7	25	9.0	4.6	12.0	43000/43000	0.10	0.20	0.70	120/120		36		78	51	42	32	9	7	KCL
900703	4454	2.08	23	10	6	23	8.7	4.6	12.0	30000/30000	0.10	0.20	2.00	100/100		38		65	42	34	23	11	9	KCL
900704	4473	2.08	29	5	3	11	8.9	4.0	64.0	30000/30000		0.20	2.20	100/100		36		67	38	29	20	8	7	KCL
900705	4482	2.08	23	6	3	13	8.7	3.8	15.0	22000/22000		2.30	2.30	160/160		37		58	35	28	19	8	7	KCL
900706	4567	2.08	23	9	5	24	8.7	5.0	15.0	20000/20000		0.20	2.10	240/240		38		67	42	34	24	10	9	KCL
900707	4579	2.08	23	6	4	19	8.7	4.8	18.0	19000/19000		0.20	2.00	280/280		38		58	35	27	18	9	8	KCL
900708	4681	2.08	25	6	4	26	9.3	4.0	16.0	14000/14000	0.10	0.60	1.70	400/400		38		62	37	29	19	8	6	KCL
900709	4769	2.08	22	7	5	23	9.5	3.6	13.0	15000/15000	0.20	0.70	1.80	320/320		37		57	35	26	18	5	4	HIGHTEMPMUD
900710	4791	2.08	23	6	3	18	9.2	3.4	13.0	14000/14000	0.20	0.70	2.20	300/300		38		57	34	34	16	4	3	HIGHTEMPMUD
900711	4815	2.07	23	6	4	18	8.9	3.4	10.4	14000/14000	0.10	0.50	2.00	280/280		38		58	35	27	17	5	4	HIGHTEMPMUD
900712	4816	2.08	21	7	5	23	0.1	3.2	12.8	13000/13000	0.10	0.60	2.20	300/300		38		56	35	27	18	5	4	HIGHTEMPMUD
900713	4863	2.08	22	7	4	25	9.1	3.1	14.6	13000/13000	1.00	0.70	2.00	340/340		38		59	37	28	19	7	5	HIGHTEMPMUD
900714	4954	2.08	26	7	4	18	9.6	3.0	13.2	11000/11000	0.90	0.90	0.20	320/320		36		67	41	31	21	6	5	HIGHTEMPMUD
900715	5010	2.08	23	6	3	15	9.2	3.0	13.0	10000/10100	0.10	0.70	2.00	320/320		37		58	35	28	18	5	4	HIGHTEMPMUD
900716	5010	2.08	24	6	3	19	9.0	1.8	12.0	9000/9000	0.10	0.70	2.00	300/300		36		59	35	25	16	5	3	HIGHTEMPMUD
900717	5010	2.08	25	5	3	20	9.1	2.0	12.6	9000/9000	0.10	0.60	2.00	320/320		36		60	35	26	16	5	4	HIGHTEMPMUD
900718	5010	2.08	20	3	3	14	9.3	2.0	12.4	7000/7000	0.10	0.80	2.10	400/400		36		47	27	20	13	5	4	HIGHTEMPMUD
900719	5010	2.08	21	4	3	13	9.2	2.2	12.4	7000/7000	0.10	0.70	2.00	400/400		36		50	29	21	14	5	4	HIGHTEMPMUD
900720	5010	2.08	20	3	3	13	9.1	2.6	11.2	8000/8000	0.10	0.50	2.10	320/320		36		46	26	19	14	5	4	HIGHTEMPMUD
900721	5010	2.08	20	5	7	34	9.6	2.4	12.4	8000/8000	0.50	0.80	2.00	360/360		36		50	30	12	17	6	5	HIGHTEMPMUD
900722	5010	2.08	20	5	4	17	9.4	2.6	12.4	8000/8000	0.40	0.70	2.00	320/320		36		49	29	22	17	5	4	HIGHTEMPMUD
900723	5010	2.08	21	8	7	38	9.1	2.6	12.8	9000/9000	0.10	0.40	2.00	120/120		35		59	38	29	10	7	5	HIGHTEMPMUD
900724	5010	2.08	22	7	6	34	9.2	2.4	11.0	9000/9000	0.10	0.50	2.00	160/160		35		58	36	27	19	7	5	HIGHTEMPMUD
900726	5010	2.08	19	4	3	15	9.1	2.8	12.4	900/900	0.10	0.40	2.00	120/120		35		46	27	18	12	5	4	HIGHTEMPMUD
900727	5010	2.08	29	4	3	12	9.2	2.4	11.8	900/900	0.10	0.50	2.00	120/120		36		67	38	28	19	4	3	HIGHTEMPMUD
900728	5010	2.08	29	4	3	15	9.7	2.4	11.8	900/900	0.10	0.50	2.00	120/120		36		67	38	28	19	4	3	HIGHTEMPMUD
900729	5010	2.08	25	4	4	15	9.2	2.2	11.8	9000/9000	0.10	0.50	2.50	120/120		36		58	33	28	18	4	3	HIGHTEMPMUD
900730	5010	2.08	22	4	4	14	9.2	2.2	11.8	9000/9000	0.10	0.50	2.50	120/120		36		52	30	22	16	4	3	HIGHTEMPMUD
900731	5010	2.08	22	4	4	14	9.2	2.2	11.8	9000/9000	0.10	0.50	2.50	120/120		36		52	30	22	16	4	3	HIGHTEMPMUD
900801	5010	2.08	20	5	4	19	9.2	2.4	11.6	9000/9000	0.20	1.60	3.20	160/160		36		51	31	26	17	5	4	HIGHTEMPMUD
900802	5010	2.08	21	4	2	16	9.1	2.8	11.6	13000/13000	0.20	1.60	3.20	160/160		36		51	30	19	12	3	2	HIGHTEMPMUD
900803	5010	2.08	21	4	2	16	9.1	2.8	64.0	13000/13000	0.20	1.60	3.20	160/160		36		51	30	19	12	3	2	HIGHTEMPMUD
900804	5010	2.08	21	4	4	40	10.0	2.8	12.0	13000/13000	0.40	2.00	8.00			36		50	29	22	14	5	4	HIGHTEMPMUD
900805	5010	2.08	22	5	4	38	9.5	2.8	12.0	13000/13000	0.30	2.00	3.80	440/440		36		53	31	23	15	5	4	HIGHTEMPMUD
900806	5013	2.08	20	5	3	23	9.8	3.0	12.0	9000/9000	0.40	1.40	2.30	1000/1000		35		50	30	23	14	4	3	HIGHTEMPMUD
900807	5027	2.08	22	5	3	22	9.7	3.0	10.0	9000/9000	0.20	1.30	1.80	700/700		35		53	31	22	13	4	3	HIGHTEMPMUD
900808	5035	2.08	22	4	3	19	9.4	3.2	11.1	10000/10000	0.30	1.40	3.00	700/700		35		52	30	21	14	5	4	HIGHTEMPMUD
900809	5056	2.08	21	4	3	17	9.3	2.0	10.8	10000/10000	0.20	1.80	3.00	650/650		35		50	29	22	15	5	4	HIGHTEMPMUD
900810	5151	2.08	21	5	3	19	9.0	2.2	11.8	10000/10000	0.20	1.60	3.00	580/580		35		52	31	25	16	6	5	HIGHTEMPMUD
900811	5185	2.08	19	6	3	17	8.8	2.0	9.8	9000/9000	0.20	1.00	3.00	680/680		36		50	31	24	16	6	5	HIGHTEMPMUD
900812	5210	2.08	22	4	8	17	9.0	2.0	7.8	8000/8000	0.20	1.20	3.00	560/560		37		52	30	23	15	6	5	HIGHTEMPMUD
900813	5223	2.08	19	6	5	20	8.5	2.0	7.8	6500/6500	0.10	1.00	2.60	480/480		36		50	31	24	17	7	6	HIGHTEMPMUD

Daily mud properties

Date
29/1-1991

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System : BORE

Norsk
Hydro

Well: 2/12-2 S
Mud Contractor: M-I NORGE
Data: "Mid depth" from table 3, otherwise from table 14.

14.

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Date	Mid. depth m, MD	Mud Dens. (SG)	PV cp	YP Pa	GEL 0 Pa	GEL 10 Pa	pH	100 psi (cc)	HP/HT (cc)	Cl- inn/out mg/l	Alkalinity			Ca++ inn/out mg/l	Oil %	Sol %	H2O %	V.G. 600 rpm	meter 300 rpm	at 200 rpm	15 100 rpm	5 6 rpm	gr. 3 rpm	F 3 Mud Type	
											Pf	Pm	Mf												
900814	5325	2.08	20	5	7	19	8.5	2.2	7.4	8200/8200	0.10	0.80	2.10	440/440		37		50	30	24	16	7	5	HIGHTEMPMUD	
900815	5390	2.08	22	6	5	19	8.7	1.8		7200/7200	0.20	1.00	2.40	440/440		37		55	33	25	16	7	5	HIGHTEMPMUD	
900816	5487	2.08	20	4	3	11	8.9	2.0					360/360		36		48	28	18	10	4	3	3	HIGHTEMPMUD	
900817	5501	2.08	20	4	4	12	8.8	2.0	7.0	6000/6000	0.20	1.00	1.80	360/360		36		49	29	19	11	5	4	4	HIGHTEMPMUD
900818	5501	2.08	21	4	4	14	8.8	2.2	7.2	6000/6000	0.20	1.00	1.60	360/360		36		50	29	19	12	5	4	4	HIGHTEMPMUD
900819	5501	2.08	21	4	4	14	8.8	2.0	7.2	6000/6000	0.20	1.00	1.80	360/360				50	29	20	11	5	4	4	HIGHTEMPMUD
900820	5501	2.08	20	3	3	10	8.9	1.8	7.0	6000/6000	0.20	1.00	1.80	320/320		56		46	26	18	10	4	3	3	HIGHTEMPMUD
900821	5530	2.08	22	4	4	14	8.5	2.2	7.0	5200/5200	0.20	1.00	1.60	320/320		36		53	31	23	15	5	4	4	HIGHTEMPMUD
900822	5542	2.08	19	4	3	11	9.0	1.8	7.0	5000/5000	0.20	1.20	1.80	320/320		36		45	26	18	11	4	3	3	HIGHTEMPMUD
900823	5542	2.08	19	4	3	11	9.0	1.8	7.0	4900/4900	0.20	1.30	1.80	320/320		36		45	26	18	11	4	3	3	HIGHTEMPMUD
900824	5617	2.08	23	2	4	15	9.1	2.0	7.6	5600/5600	0.20	1.30	2.40	280/280		37		53	30	21	15	5	4	4	HIGHTEMPMUD
900825	5703	2.08	22	3	4	11	9.1	2.2	8.6	6000/6000	0.20	1.20	2.80	360/360		37		50	28	21	14	4	3	3	HIGHTEMPMUD
900826	5334	2.08	22	3	4	14	9.0	2.4	9.6	6100/6100	0.20	1.20	2.80	400/400		37		50	28	22	14	4	3	3	HIGHTEMPMUD
900827	5757	2.08	22	3	4	14	9.0	2.4	9.6	6100/6100	0.20	1.20	2.80	400/400		37		50	28	22	14	4	3	3	HIGHTEMPMUD
900828	5757	2.08	24	3	4	15	9.0	2.4	9.6	6100/6100	0.20	1.20	2.80	400/400		37		54	30	23	15	4	3	3	HIGHTEMPMUD
900829	5757	2.08	24	5	6	17	8.4	2.4	9.6	6100/6100		0.80	2.80	400/400		37		58	34	26	16	5	4	4	HIGHTEMPMUD
900830	5757	2.08	21	3	2	11	9.2	2.1	9.6	6100/6100	0.20		2.10	400/400		37		48	27	20	13	4	3	3	HIGHTEMPMUD
900831	5757	2.08	21	3	3	11	9.1	2.4	9.6	6200/6200	0.20	0.80	2.10	400/400		37		48	27	20	13	4	3	3	HIGHTEMPMUD
900901	5757	2.08	21	3	3	11	9.1	2.4	9.6	6200/6200	0.20	0.80	2.10	400/400		37		48	27	20	13	4	3	3	HIGHTEMPMUD
900902	5757	2.08	21	3	4	16	9.1	2.4	16.8	6100/6100	0.20	1.20	2.30	300/300		37		48	27	20	13	4	3	3	HIGHTEMPMUD
900903	4960	2.08	28	2	3	21	12.2	4.0	37.0	6100/6100	1.20	1.20	3.50	360/360		37		61	33	25	16	5	4	4	HIGHTEMPMUD
900904	4003	1.85	22	2	2	11	11.4	2.6	23.0	4500/4500	0.50	3.70	2.80	260/260		30		49	27	19	11	3	2	2	HIGHTEMPMUD
900905	4003	1.85	18	2	2	10	11.4	2.8	26.0	4500/4500	0.50	3.50	2.60	240/240		30		41	23	16	9	2	2	2	HIGHTEMPMUD
900906	4003	1.85	18	2	2	10	11.4	2.8	26.0	4500/4500	0.50	3.50	2.60	240/240		30		41	23	16	9	2	2	2	HIGHTEMPMUD
900907	4003	1.85	13	4	2	11	11.4	3.0	28.0	4500/4500	0.40	3.50	3.20	320/320		30		58	33	23	14	3	2	2	HIGHTEMPMUD
900908	4003	1.85	14	4	2	10	11.4	3.0	30.0	4500/4500	0.50	3.60	3.20	300/300		30		64	36	26	17	6	4	4	HIGHTEMPMUD
900909	4003	1.85	34	14	15	22	10.6	7.2						2	29	69	97	53	46	37	24	24	24	24	HIGHTEMPMUD
900910	4003	1.85	24	14	15	23	10.6	6.8		4500/4500				360/360	2	29	69	77	53	46	37	24	24	24	HIGHTEMPMUD
900911	4003	1.85	14	10	14	43	10.7	6.6		4500/4500				320/320	2	29	69	74	47	39	30	18	18	18	HIGHTEMPMUD
900912	2558	1.85	13	15	16	36	11.4							2	29	69	81	86	46	37	25	23	23	23	HIGHTEMPMUD

((((ooo) ----- Norsk Hydro	M u d c o n s u m p t i o n ----- System : BORE	Date 27/1-1991
	Well: 2/12-2 S Mud company: M-I NORGE	13
		Actual used

Drilling of 36 " hole

BARITE	Kg	126000
BENTONITE	Kg	36000
CAUSTIC	Kg	225
SODA ASH	Kg	100

Drilling of 26 " hole

BARITE	Kg	174000
BENTONITE	Kg	107000
CAUSTIC	Kg	1300

Drilling of 17 1/2" hole

BARITE	Kg	2276000
BICARBONATE	Kg	7300
CAUSTIC	Kg	1050
DRISPAC REG	Kg	612
GYPSUM 1	Kg	1700
GYPSUM 2	Kg	760
KCL POWDER	Kg	18800
MAGCOPOL LV	Kg	10025
MAGCOPOL R	Kg	13175
MICA	Kg	75
NUTPLUG F C	Kg	275
POLY PLUS	Kg	3800
SODA ASH	Kg	1625
XANTHAN GUM	Kg	1950
KCL BRINE	l	968000
KCL BRINE PREM	l	374000

Drilling of 12 1/4" hole

ALCOMER 75	Kg	3225
BARITE	Kg	2463000
BICARBONATE	Kg	26150
BOREPLATE	Kg	850
CAUSTIC	Kg	1950
DESCO CF	Kg	1293
DRISPAC REG	Kg	3625
DRISPAC SL	Kg	2000
GYPSUM 1	Kg	950
GYPSUM 2	Kg	21680
LIME	Kg	2020
MAGCOPOL LV	Kg	9175
POLY PLUS	Kg	2375
POLYDRILL	Kg	3375
RESINEX	Kg	16919
SODA ASH	Kg	1000
SOLTEX	Kg	24500

((((ooo) ----- Norsk Hydro	M u d c o n s u m p t i o n ----- System : BORE	Date 27/1-1991
	Well: 2/12-2 S Mud company: M-I NORGE	13

-----	Actual used
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XANTHAN GUM	Kg	1825
XCD POLYMER	Kg	850
BIOCIDE	l	200
CONQOR 404	l	400
DMS	l	7600
IMCO SPOT	l	4536
KCL BRINE	l	245000
LTOBM	l	150000
MAGCOLUBE	l	4200
PIPELAX	l	1600
PREMIX BRINE	l	1072000

Drilling of 8 3/8" hole

ALCOMER 75	Kg	2875
BARITE	Kg	1289000
BENTONITE	Kg	5000
BICARBONATE	Kg	1725
CAUSTIC	Kg	250
DESCO CF	Kg	3459
DRISPAC R	Kg	23
GYPSUM	Kg	400
LIME	Kg	1820
POLYDRILL	Kg	9625
RESINEX	Kg	12133
XCD POLYMER	Kg	650
CONQOR 404	l	200
DEFOAMER	l	400

Drilling of 6 " hole

ALCOMER 75	Kg	1750
BARITE	Kg	1020000
BENTONITE	Kg	6000
BICARBONATE	Kg	9200
CAUSTIC	Kg	575
CITRIC ACID	Kg	3500
DESCO CF	Kg	4162
GYPSUM	Kg	4440
LIME	Kg	1340
POLYDRILL	Kg	9150
RESINEX	Kg	4491
XCD POLYMER	Kg	350
XP-20	Kg	8732
BIOCIDE	l	200
CONQOR 404	l	200
DEFOAMER	l	800
MAGCOLUBE	l	1200

Plug and Abandon

ALCOMER 75	Kg	225
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((((ooo)	M u d c o n s u m p t i o n	Date 27/1-1991
Norsk Hydro	Well: 2/12-2 S Mud company: M-I NORGE	System : BORE
		13

		Actual used
BARITE	Kg	255000
BENTONITE	Kg	7000
CAUSTIC	Kg	175
DESCO CF	Kg	907
SODA ASH	Kg	25
XCD POLYMER	Kg	175
CONQOR 404	l	600