

((( (ooo)	B.6 Daily mud properties										Date		
	System : Boredata Sandnes										29/1-1987		
Norsk Hydro	Well: 34/8-2												
	Mud Contractor: Dresser Magco-bar												
	Data: "Mid depth" from table 3, otherwise from table 14												
3													

Date	Mid. depth m, MD	Mud dens. (SG)	PV cps	YP mPa	GEL		Ph	100 psi (cc)	HP/HT (cc)	Cl- inn/out mg/l	Alkalinity			
					0 mPa	10 mPa					Pf	Pm	Mf	
860929	0	0	0	0										
860930	0	0	0	0										
861001	0	0	0	0										
861002	0	0	0	0										
861003	0	0	0	0										
861004	391	1.05	0	0										
861005	462	1.05	0	0										
861006	462	1.05	0	0										
861007	428	1.05	0	0										
861008	472	1.05	0	0										
861009	1048	1.05	0	0										
861010	483	1.05	0	0										
861011	982	1.05	0	0										
861012	1200	1.05	0	0										
861013	1200	1.2	0	0										
861014	1205	1.2	0	0										
861015	1205	1.15	9	4	1	3	8.5	7.4		64000/64000		0	0.6	
861016	1205	1.2	14	8	1	2	10.1	7.1		65000/65000	0.1	0.2	0.8	
861017	1585	1.3	20	13	2	3	8.6	7.4		63000/63000		0.1	0.5	
861018	1848	1.36	20	13	2	4	9.2	7		67000/67000		0.2	0.6	
861019	2135	1.36	20	12	2	3	8.9	5.4		74000/74000		0.4	0.7	
861020	2281	1.4	24	10	1	7	9	6		83000/83000		0.2	0.5	
861021	2452	1.44	25	10	2	13	8.2	5.9		83000/83000		0.1	0.4	
861022	2461	1.44	24	9	2	10	8.5	5.3		78000/78000		0.2	0.5	
861023	2562	1.44	29	11	2	14	8.4	5.2		78000/78000		0.2	0.5	
861024	2609	1.44	29	9	2	12	8.9	4.6		77000/77000		0.3	0.4	
861025	2700	1.44	26	8	2	12	8.4	5		75000/75000		0.2	0.4	
861026	2700	1.47	27	9	2	15	8.3	5.3		75000/75000		0.2	0.4	
861027	2700	1.47	27	9	2	15	8.3	5.3		75000/75000		0.2	0.4	
861028	2700	1.6	30	7	2	12	8.2	5.2		74000/74000		0.2	0.4	
861029	2705	1.6	23	7	2	21	11.1	5.8	14.6	70000/70000	0.3	2.8	1	
861030	2764	1.6	26	9	3	23	11	5.2	14.4	70000/70000	0.3	2.5	1	
861031	2811	1.6	27	9	3	39	10.9	5	13.6	68000/68000	0.2	2.2	0.7	
861101	2828	1.6	28	10	3	32	10.6	5	13.2	64000/64000	0.1	1.8	0.5	
861102	2875	1.6	30	11	6	41	10.3	5.8	14.2	60000/60000		1	0.5	
861103	2944	1.7	28	9	4	29	9.3	5.6	13.8	57000/57000		0.3	0.3	
861104	2995	1.7	29	9	4	26	9.7	5.4	17	52000/52000	0.03	0.3	0.55	
861105	3020	1.7	29	10	4	30	10.3	5.2	17.2	52000/52000	0.3	0.35	0.5	
861106	3038	1.7	32	12	5	37	10.1	4.4	15.7	50000/50000	0.15	0.3	0.5	
861107	3065	1.7	33	12	4	30	10	4.4	14.6	50000/50000	0.2	0.4	0.5	

Date  
29/1-1987

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Ca++ inn/out mg/l	Oil %	Sol %	H2O %	V.G. meter at 115 gr. F						Mud type
				600 rpm	300 rpm	200 rpm	100 rpm	6 rpm	3 rpm	
										-
										-
										-
										-
										Spud
										Spud
										Spud
										Spud
										Spud
										Spud
										Spud
										Spud
										Spud
120/120		6		25	16	12	7	2	1	KCl-polymer
560/560		7		44	30	20	14	2	1	KCl-polymer
640/640		11		66	46	36	25	5	3	KCl-polymer
1520/1520		14		66	46	36	25	5	3	KCl-polymer
680/680		15		63	42	33	22	4	2	KCl-polymer
500/500		16		68	44	36	24	5	3	KCl-polymer
680/680		20		70	45	34	21	5	3	KCl-polymer
560/560		18		66	42	32	20	4	3	KCl-polymer
640/640		20		79	50	39	25	5	3	KCl-polymer
520/520		19		76	47	37	21	5	3	KCl-polymer
520/520		20		67	41	32	20	4	3	KCl-polymer
520/520		21		72	45	34	22	5	3	KCl-polymer
520/520		21		72	45	34	22	5	3	KCl-polymer
500/500		22		73	43	33	20	4	3	KCl-polymer
540/540		22		60	37	27	17	3	2	KCl-polymer
440/440		23		70	44	35	22	5	4	KCl-polymer
400/400		24		74	46	36	25	8	6	KCl-polymer
400/400		24		76	48	37	25	7	6	KCl-polymer
440/440		24		81	51	41	32	12	10	KCl-polymer
440/440		26		73	45	35	22	7	6	KCl-polymer
560/560		27		75	46	35	24	8	7	KCl-polymer
520/520		27		77	48	39	26	9	8	KCl-polymer
640/640		27		88	56	47	34	11	10	KCl-polymer
400/400		27		89	56	47	31	10	9	KCl-polymer

((( (ooo)	D a i l y m u d p r o p e r t i e s										Date 29/1-1987		
	System : Boredata Sandnes												
Norsk Hydro	Well: 34/8-2 Mud Contractor: Dresser Magcobar Data: "Mid depth" from table 3, otherwise from table 14										3		

Date	Mid. depth m,MD	Mud dens. (SG)	PV cps	YP mPa	GEL		Ph	100 psi (cc)	HP/HT (cc)	Cl- inn/out mg/l	Alkalinity		
					0 mPa	10 mPa					Pf	Pm	Mf
861108	3138	1.7	33	11	4	27	10.1	4.5	13.4	48000/48000	0.03	0.5	0.6
861109	3155	1.7	30	8	4	24	10	4.1	13.3	48000/48000	0.2	0.4	0.6
861110	3203	1.7	32	11	4	26	10.1	4.1	13.5	45000/45000	0.1	0.4	0.6
861111	3240	1.7	30	10	3	16	9.8	4	13	43000/43000	0.2	0.6	0.8
861112	3240	1.7	30	10	3	16	9.8	4	13	43000/43000	0.2	0.6	0.8
861113	3240	1.7	32	10	2	18	10.3	3.8	12.5	42000/42000	0.1	0.7	0.6
861114	2515	1.7	34	12	3	22	11	3.7	12.3	42000/42000	0.3	1.4	2
861115	420	1.7	34	12	3	22	11	3.7	12.3	42000/42000	0.3	1.4	2
861116	376	1.7	34	12	3	22	11	3.7	12.3	42000/42000	0.3	1.4	2
861117	0	1.7	34	12	3	22	11	3.7	12.3	42000/42000	0.3	1.4	2
861118	0	1.7	34	12	3	22	11	3.7	12.3	42000/42000	0.3	1.4	2



((( (ooo)	B-7	M u d c o n s u m p t i o n	Date
	System : Boredata Sandnes		29/1-1987
Norsk Hydro	Well: 34/8-2 Mud company: Dresser Magcobar		13

Hole size: 36

BARITE	(Mt)	23
BENTONITE	(Mt)	70
CAUSTIC SODA	(Kg)	610
LIME	(Kg)	540
SODA ASH	(Kg)	368

Hole size: 26

BARITE	(Mt)	69
BENTONITE	(Mt)	32
CAUSTIC SODA	(Kg)	270
LIME	(Kg)	380
SODA ASH	(Kg)	265

Hole size: 17.5

BARITE	(Mt)	366
CAUSTIC SODA	(Kg)	1200
POTASSIUM CL. (KCl)	(Kg)	48615
POTASSIUM CL. (KCl) Brine	(m3)	591
SODA ASH	(Kg)	920
SODIUM BICARBONATE	(Kg)	427
PAC POLYMER REG	(Kg)	5946
PAC POLYMER SUPER	(Kg)	8776
XANTAN POLYMER	(Kg)	1788
DRILLING DETERGENT	(Drum)	1

Hole size: 12.25

BARITE	(Mt)	452
CAUSTIC SODA	(Kg)	1600
LIME	(Kg)	210
POTASSIUM CL. (KCl) Brine	(m3)	16
SODA ASH	(Kg)	346
S.A.P.P.	(Kg)	100
PAC POLYMER REG	(Kg)	702
PAC POLYMER SUPER	(Kg)	1468
DESCO	(Kg)	608
CHROME LIGNOSULFONATE	(Kg)	6492
CHROME LIGNITE	(Kg)	670
XANTAN POLYMER	(Kg)	452
LIQUID DEFOAMER	(l)	50
RESINEX	(kg)	1149

## B-8 TOTAL MUD CONSUMPTION

<u>Materials</u>	<u>Unit</u>	<u>Quantity</u>
Barite	Mt	910
Bentonite	Mt	102
Caustic Soda	Kg	3680
Lime	Kg	1130
Soda Ash	Kg	1899
Potassium cl. (KCL)	Kg	48615
Potassium cl. (KCl)brine	m <sup>3</sup>	607
Sodium Bicarbonate	kg	427
Pac Polymer reg.	kg	6648
Pac Polymer super	kg	10244
Xantan Polymer	kg	2240
Drilling Detergent	drum	1
S.A.P.P.	kg	100
Desco	kg	608
Chrome Lignosulfonate	kg	6492
Chrome Lignite	kg	670
Liquid Defoamer	l	50
Resinex	kg	1149