

Well No.: 34/8-10S			Rig : Polar Pioneer				Date : 09.10.93				
Pressure Units : bar			RKB-MSL : 23 m				Witnessed by : Holter/Gahlla				
Run No. 2A	Depth (MD)	Depth TVD (RKB)	Initial Hydrostatic Press		Formation Pressure		Final Hydrostatic Press		Time		Remarks
			Strain	HP	Strain	HP	Strain	HP	Set	Retract	
1	1952.0		295.5	297.0	259.26	261.27	295.3	296.44	01.58	02.04	3 mD.
2	1953.0		295.35	296.13	-	-	-	-	-	-	Tight.
4	1953.4		295.35	296.34	-	-	-	-	-	-	Tight.
5	1956.1		295.77	296.34	-	-	-	-	-	-	Tight.
6	1961.0		296.56	297.00	-	-	-	-	-	-	Tight.
7	1966.5		297.44	297.8	265.89	266.88	297.25	297.53	03.04	03.15	0.1 nd, poss. superchar.
8	1968.5		297.63	297.83	273.28	274.00	297.54	297.71	03.29	03.39	Supercharged ?
10	1952.0		295.37	296.63	-	-	-	-	-	-	Tried to sampl, thight.
11	1951.8		295.16	296.37	259.37	260.37	-	-	04.08	04.14	Sampled - OK.Cable stuck, but sample recovered
											Pretest sample numbers
											according to Schlumberger according to sciumDerger MDT summary.
											Page : 1 of 1



FORMATION PRESSURE WORKSHEET

Well No. : 34/8-10S      Rig : POLAR PIONEER      Date : 08.11.93

Pressure Units : Bar      RKB-MSL : 23m      Witnessed by : R.Semple/G.Holsen

Run No. 3B	Depth (MD)	Depth TVD (RKB)	Initial Hydrostatic Press		Formation Pressure		Final Hydrostatic Press		Time		Remarks
			Strain	HP	Strain	HP	Strain	HP	Set	Retract	
1	2881.5	2856	468.68	468.32	435.88	435.45	468.54	468.12	0:28	0:35	78md
2	2889	2862	469.77	469.38	429.85	429.40	469.56	469.12	0:44	0:50	260nd
3	2891.5	2864	469.90	469.51	429.97	429.50	469.76	469.30	0:58	1:02	1005md
4	2893	2865	469.94	469.54	430.03	429.57	469.79	469.34	1:08	1:13	72.7md
5	2895.5	2867	470.16	469.42	429.16	429.69	470.01	469.50	1:20	1:24	662md
6	2910.0	2879	472.49	472.09	429.57	429.12	472.07	471.63	1:34	1:44	0.7md Possibly s/charge.
7	2911.5	2880	472.19	471.76	429.26	428.75	471.93	471.47	1:53	2:02	5.7md
8	2891.5	2864	469.58	468.99	430.06	429.47	469.20	468.80	2:11	3:11	Sample 2.75 galls.1019md.
9	2995.0	2947	483.61	483.22	454.57	454.42	483.34	482.94	4:12	4:15	337md
10	3001.0	2952	484.18	483.78	454.80	454.35	483.93	483.53	4:22	4:25	430
11	3005.0	2955	484.43	484.01	454.95	454.51	484.22	483.82	4:32	4:34	262nd
12	3041.7	2984	488.83	488.43	456.56	456.12	488.78	488.38	4:52	4:54	603nd
13	3044.0	2986	489.11	488.72	456.66	456.21	488.98	488.60	5:01	5:04	649md



Well No. :		34/8-10S		Rig :		POLAR PIONEER		Date :		8.11.93	
Pressure Units :		Bar		RKB-MSL :		23m		Witnessed by :		RS/GH/MJH	
Run No. 3B	Depth (MD)	Depth TVD (RKB)	Initial Hydrostatic Press		Formation Pressure		Final Hydrostatic Press		Time		Remarks 20cc pretest to #20 10cc #21 - #26
Test No			Strain	HP	Strain	HP	Strain	HP	Set	Retract	
14	3048.0	2989.	489.62	489.23	456.81	456.37	489.45	489.06	0509	0512	436
15	3064.0	3002.	492.28	491.89	457.56	457.10	491.98	491.60	0522	0525	195
16	3078.0	3019.	494.27	493.90	458.13	457.69	493.88	493.48	0532	0536	4246
17	3098.0	3029.	496.88	496.49	460.17	459.75	496.44	496.05	0549	0554	2.4 supercharged
18	3113.5	3041	498.69	498.31	459.78	459.36	498.34	497.95	0610	0614	6.1
19	3119.0	3045.	498.85	498.46	460.05	459.61	498.59	498.20	0624	0628	56
20	3122.0	3048.	498.87	498.49	460.19	459.75	498.65	498.26	0637	0640	9.2
21	3147.0	3068.	503.09	502.73	467.00	466.61	502.39	502.04	0651	0700	1.4 poss. supercharged
22	3173.0	3088.	506.64	506.29	-	-	506.02	505.66	0709	0713	- dry
23	3246.0	3146.	515.24	514.88	-	-	514.90	514.53	0738	0742	- dry
24	3250.0	3149.	515.29	515.93	469.25	468.84	515.03	514.65	0751	0756	1.8
25	3252.0	3150.	515.23	514.87	469.30	468.88	515.18	514.81	0804	0809	13.7
26	3254.0	3152.	515.54	515.18'	469.23	468.81	515.42	515.10	0818	0821	27.2



FORMATION PRESSURE WORKSHEET

Well No.:		34/8-10S		Rig :		POLAR PIONEER		Date :		8. 11.93	
Pressure Units :		Bar		RKB-MSL :		23m		Witnessed by : MJH/GH/RS			
Run No. 3B	Depth (MD)	Depth TVD (RKB)	Initial Hydrostatic Press		Formation Pressure		Final Hydrostatic Press		Time		Remarks 10cc pretest #27-31 5cc pretest #32-35
Test No			Strain	HP	Strain	HP	Strain	HP	Set	Retract	
27	3255.5	3153.	515.70	515.34	469.31	468.89	515.65	515.29	0830	0834	43.7
28	3252.5	3151.	515.25	514.90	469.21	468.80	515.28	514.92	0840	0843	6.9
29	3274.0	3168.	515.29	514.93	470.98	470.53	518.55	518.16	0853	0856	35.6
30	3278.0	3171.	518.98	518.59	471.28	470.84	518.75	518.37	0903	0905	68.8
31	3280.0	3172.	518.88	518.50	471.41	470.96	518.70	518.32	0912	0914	97.7
32	3396.5	3185.	533.34	532.97	-	-	533.25	532.92	0950	0954	- dry tie in again
33	3425.0	3283.	537.85	537.50	-	-	537.49	537.25	1002	1005	- dry
34	3438.3	3293.	538.99	538.61	-	-	538.70	538.32	1017	1019	- dry
35	3442.0	3296.	539.08	538.70	-	-	538.83	538.57	1027	1029	- dry



Well No.:		34/8-10S		Rig :		POLAR PIONEER		Date :		8.11.93	
Pressure Units :		Bar		RKB-MSL :		23m		Witnessed by : MJH/GH/RS			
Run No. 3C	Depth (MD)	Depth TVD (RKB)	Initial Hydrostatic Press		Formation Pressure		Final Hydrostatic Press		Time		Remarks
			Strain	HP	Strain	HP	Strain	HP	Set	Retract	
1	3001.1	2952.	483.4	483.00	454.8	454.41			1618		MD: 166
									1621		open 2 3/4 gal chamber
					454.7	454.37			1632	1648	Formation/packer failure
2	3000.5	2951.									too tight
3	3005.0	2955.	483.7	483.28	455.0	454.51	483.5	483.15	1707	1708	too tight
4	3002.8	2953.	483.3	482.89	454.9	454.41			1729		MD: 250
									1733	1736	open 2 3/4 gal ch., res. incr. to 23 ohm/m
					454.8	454.42			1737		seal 2 3/4 gal ch.
									1738		open 1 gal ch., res 23
					454.6	454.18			1742		ch. full, seal 1 gal
									1743		open 1 gal ch., res 23
					454.7	454.27			1748		1 gal full
					/*					1750	retract



Well No.:		34/8-10S		Rig :				POLAR PIONEER				Date :		8.11.93					
Pressure Units :				Bar				RKB-MSL :				23m				Witnessed by :		MJH/GH/RS	
Run No. 3C	Depth (MD)	Depth TVD (RKB)	Initial Hydrostatic Press		Formation Pressure		Final Hydrostatic Press		Time		Remarks  MD								
			Strain	HP	Strain	HP	Strain	HP	Set	Retract									
5	2995.0	2847.	482.2	481.82	454.6	454.13	482.2	<b>481.82</b>	<b>1801</b>	<b>1805</b>	286								
6	3001.0	2952.	483.1	482.65	454.8	454.36	482.9	482.51	<b>1810</b>	<b>1816</b>	351								
7	3040.0	2983.	488.2	487.79	456.5	456.08	488.2	487.73	<b>1842</b>	<b>1845</b>	295								
8	3041.7	2984.	488.3	487.89	456.6	456.14	488.2	487.82	1854	1857	<b>2272</b>								
9	3044.0	2986.	488.5	488.13	456.7	456.24	488.7	488.06	1905	1907	<b>1501</b>								
10	3046.0	2988.	488.8	488.36	456.8	456.32	488.7	488.29	1914	1917	<b>1105</b>								
11	3049.5	2990.	489.3	489.93	456.9	456.46	489.1	488.74	1925	<b>1928</b>	139								
12	3064.0	3002.	491.7	491.20	457.6	457.11	491.2	490.81	<b>1934</b>	<b>1938</b>	<b>81.6</b>								
13	3071.0	3007.	492.3	491.91	457.8	457.40	492.0	491.60	<b>1944</b>	<b>1947</b>	748								
14	3082.0	3016.	493.6	493.21	458.3	457.88	493.3	492.95	<b>1956</b>	<b>1958</b>	220								

<b>WELL TEST RESULTS</b>	<b>WELL: 34/8-10S</b>		
TEST NO.	1		
PERFORATED INTERVAL (m MD-RKB)	3039-3052 3062-3087.5		
CHOKE SIZE (1/64 inch)	44		
OIL/COND. FLOW RATE (Sm <sup>3</sup> /d)	1180		
GAS FLOW RATE (Sm <sup>3</sup> /d)	414000		
WATER FLOW RATE (Sm <sup>3</sup> /d)	0		
GOR (Sm <sup>3</sup> /Sm <sup>3</sup> )	350		
OIL/COND. GRAVITY (g/cc @15°C)	0.823		
GAS GRAVITY (air=1)	0.755		
FWHP (bar)	210.4		
SIWHP (bar)	272.0		
FWHT (°C)	87.3		
FBHT(°C)	114		
FBHP (bar)	419		
SIBHP (bar) **	435.5		
BS&W (%)	0		
CO <sub>2</sub> (% max)	1.4		
H <sub>2</sub> S (ppmmax)	2.6		
k (mD) for net pay	1372		
Net pay, m *	20.2		
SKIN	8.8		
PI (Sm <sup>7</sup> d/bar)	64.2		
DEPTH OF BH MEASUREMENT (m MD-RKB)	2978.93		
<b>REMARKS:</b> * Isopach Net ** Pi = 457 bar			

TOTAL CONSUMPTION OF MOD AEDITIVES CN WELL 34/8-10S

1	Section	1	Product/Additive	Total	Total	Unit	Difference		Difference in cost
1	Size	1		Amount	Amount	1			
1	1	1		Planned	Used	1	Amount	%	% [kNDK]
136"			IBENICNITE	-	23000.01	kg			
117 1/2"			IBARITE		4000.01	kg			
			IBENICNITE		34000.01	kg			
			CAUSTIC SODA (Kg)		200.01	kg			
			IOC EHV		3098.01	kg			
			IIDVIS		703.01	kg			
112 1/4"			IANCO 208		18200.01	1			
			IANTISOL FLT		4891.01	kg			
			IBARITE		298000.01	kg			
			ICLAYCAP		5841.01	kg			
			IOC EHV		200.01	kg			
			IKCL		8000.01	kg			
			IKCL BRINE		420000.01	1			
			ILIME		300.01	kg			
			IPROPAC		2520.01	1			
			ISCDA ASH		2750.01	kg			
			IXANVIS		3000.01	kg			
18 1/2"			IANCO 208		8200.01	1			
			IANCOTEMP		2100.01	kg			
			IANTISOL FLT		500.01	kg			
			IBARITE		892000.01	kg			
	1		BENIOSIRIK		18000.01	kg			
			BICARBONATE		1300.01	kg			
			ICELPOL LV		3938.01	kg			
			ICLAYCAP		2926.01	kg			
			IKCL		25000.01	kg			
			IKCL BRINE		156000.01	1			1
			ILIOITIN		1023.01	kg			1



**TOTAL** OCNSUMPTTCN OF MUD ADDITIVES CN WELL 34/8-10S

Section	Product/Additive	Total Amount Planned	Total Amount Used	Unit	Difference Amount	%	Difference in cost	%	[kNOK]
8 1/2"	ILIGSEAL/PROSEAL		3938.01	kg					1
1	ILIME		40.01	kg					1
I	IMECA OOARSE		250.01	kg					1
I	IMICA FINE		250.01	kg					1
	INUTPLUG C		250.01	kg					1
	INUTPLUG F		250.01	kg					1
	IPROPAC		936.01	l					1
	ISHALETKOL		1450.01	kg					1
	ISODA ASH		2423.01	kg					h
	ITHEFMDPOL		2114.01	kg					h
	IXANVIS		1354.01	kg					h

6 MUD REPORT

6.1 36" hole section

This hole section was drilled riserless using seawater and pumping high viscous bentonite pills on every connection. The hole was displaced to 1.20 sg mud prior to running 30" casing. The hole section was drilled without any serious hole problems.

6.2 17 1/2" hole section

This hole section was also drilled riserless using seawater and 10 m<sup>3</sup> high viscous bentonite and CMC pills on connections. Prior to making a wiper trip at TD a 10 m<sup>3</sup> and a 20 m<sup>3</sup> high viscous pill were pumped and the hole displaced to 1.20 sg mud. The hole was again displaced to 1.20 sg mud prior to running 13 3/8" casing. The hole section was drilled without any serious hole problems.

6.3 12 1/4" hole section

This hole section was drilled with a 1.40 -1.52 sg Anco 2000 mud system. The mud system performed well and the caliper log showed an almost perfect in gauge hole with an average hole diameter of 12 1/2".

The hole cleaning was very satisfactory despite the very high penetration rates of up to 150 m/hr. This was mainly due to a pump rate in the region of 3000 l/min together with a quite high yield point. When drilling from 2202 m to 2271 m the hole became tight with a tendency to pack off on connections. A wiper trip was made to 1920 m and some tight spots reamed. After this no further indications of tightness were seen. High

viscous pills were pumped to check the hole cleaning.

The rheology was maintained with PHPA polymer and it remained stable with a yield point between 12.0 and 18.0 PA. This was above the specifications, but due to difficulties with maintaining the minimum specified 10 sec gel strength, no corrective measures were taken in order to lower it. The fluid loss was controlled with Antisol FL 10 which was very effective due to the presence of glycol (Anco 208) in the mud. A KCl concentration between 122 and 160 kg/m<sup>3</sup> was necessary to stabilize the clay encountered. This was lower than with a regular KCl mud system, and this beneficial effect was also due to the presence of glycol in the mud, tending to tie up the free water.

#### 6.4 8 1/2" hole section

This hole section was also drilled with a 1.50 -1.70 sg Anco 2000 mud system. The mud system performed well, but this section experienced severe washouts in the clay formations. The caliper log showed a very oval hole with a hole diameter between 8 1/2" and 12 1/2". The reason for this is assumed to be of mechanical rather than chemical nature, based on experience from the previous Visund wells.

The hole cleaning was very satisfactory during drilling in rotation mode. During drilling in orienting mode this was not the situation. The hole packed off and the string got stuck twice, at 2632 m and 2681 m. Indications of tightness were almost not seen. No high viscous pills were pumped.

The rheology was maintained with PHPA polymer and it remained stable with a yield point between 13.0 and 17.0 PA. This was far above the specifications, but in order to get a 3 RPM value in the range of 6 - 8 the

planned yield point value had to be sacrificed. The fluid loss was effectively controlled with Celpol LV as primary additive and Ancocresin as secondary. A KCl concentration between 140 and 166 kg/m<sup>3</sup> was necessary to stabilize the clay encountered.

#### 6.5 Production testing

During production testing a 1.66 sg Ancotherm mud system was used. The mud system performed excellent throughout the test. Mud checks taken at the end of the test confirmed that neither barite sagging nor extreme gelling had occurred.

#### 6.6 Permanent plug and abandonment

The well was also permanent plugged and abandoned using a 1.66 sg Ancotherm mud system. When circulating after releasing the 9 5/8" seal assembly, the formation at the 13 3/8" casing shoe was broken down and mud losses occurred. After cutting and retrieving 9 5/8" casing a 10 m<sup>3</sup> lost circulation material pill was spotted at the cutting depth at 1200 m. 6.6 m<sup>3</sup> was bullheaded down the annulus and the mud losses stopped. The pill consisted of 250 kg each of coarse and fine Nutplug and coarse and fine Mica.

DAILY MUD PROPERTIES : PHEOLOGY" PARAMETERS FOR WELL 34/8-10S

Hole section: 36"

WATER BASED SYSTEM

Date	Depth [m]		Mud Type	Funnel Vise [sec]	Dens [sg]	Mudtemp Out [DegC]	Farm Readings						Rheo Test [DegC]	PV [rriPas]	YP [Pa]	GelO [Pa]	Gello [Fa]	
	MD	TVD					600	300	200	100	60	30						6
28-sep-1993 06:00	434	434	BENTCNITE	120.0	1.05	0.0								0.0	0.0	0.0	0.0	0.0

Hole section: 17 1/2"

WATER BASED SYSTEM

Date	Depth [m]		Mud Type	Funnel Vise [sec]	Dens [sg]	Mudtemp Out [DegC]	Farm Readings						Rheo Test [DegC]	FV [rriPas]	YP [Fa]	GelO [Fa]	Gello [Pa]	
	MD	TVD					600	300	200	100	60	30						6
29-sep-1993 23:00	1358	1358	BENICNITE	120.0	1.20	0.0								0.0	0.0	0.0	0.0	0.0
30-sep-1993 23:00	1358	1358	BENICNITE	120.0	1.20	0.0								0.0	<b>8.8</b>	0.0	<b>8.8</b>	0.0
01-oct-1993 23:00	1358	1358	BENICNITE	120.0	1.20	0.0								0.0	<b>8.8</b>	0.0	<b>8.8</b>	0.0
02-oct-1993 23:00	1358	1358	BEWTCNITE	120.0	1.20	0.0								0.0	0.0	0.0	0.0	0.0

Hole section: 12 1/4"

WATER BASED SYSTEM

Date	Depth [m]		Mud Type	Funnel Vise [sec]	Dens [sg]	Mudtemp Out [DegC]	Farm Readings						Rheo Test [DegC]	PV [rriPas]	YP [Fa]	GelO [Fa]	Gello [Fa]		
	MD	TVD					600	300	200	100	60	30						6	3
03-oct-1993 23:59	1633	1633	ANCO 2000	56.0	1.40	0.0	61	44	36	26			8	6	50.0	17.0	13.5	4.0	6.0
04-oct-1993 23:00	1900	1900	ANCO 2000	56.0	1.42	0.0	64	48	39	29			10	7	50.0	16.0	16.0	5.0	<b>7.8</b>
05-oct-1993 23:00	1926	1926	ANCO 2000	54.0	1.41	0.0	80	47	47	34			10	8	50.0	22.0	18.0	4.5	<b>7.8</b>
06-oct-1993 23:00	2202	2202	ANCO 2000	68.0	1.50	0.0	83	59	50	37			10	7	50.0	24.0	17.5	7.0	7.0
07-oct-1993 23:00	2560	2560	ANCO 2000	56.0	1.50	0.0	78	<b>55</b>	43	33			<b>18</b>	<b>7</b>	50.0	23.0	16.0	<b>1.8</b>	9.0
08-oct-1993 23:00	2560	2560	ANCO 2000	56.0	1.50	0.0	82	57	48	34			10	7	50.0	25.0	16.0	5.0	7.0
09-oct-1993 18:00	2560	2560	ANCO 2000	54.0	1.52	0.0	80		47	<b>35</b>			11	<b>8</b>	50.0	22.0	17.0	<b>H</b>	7.6
10-oct-1993 23:00	2560	2560	ANCO 2000	55.0	1.50	0.0	73		42	<b>30</b>			9	<b>6</b>	50.0	23.0	12.0	<b>H</b>	6.2
11-oct-1993 23:00	2560	2560	ANCO 2000	57.0	1.51	0.0	65	45	36	26			7	<b>5</b>	50.0	20.0	11.0	J.O	6.0

4.0

Hole section: 8 1/2"

WATER BASED SYSTEM

Date	Depth [m]		Mud Type	Funnel Vise [sec]	Dens [sg]	Mudtemp Out [DegC]	Farm Readings						Rheo Test [DegC]	FV [mPas]	YP [Fa]	GelO [Fa]	Gello [Fa]		
	MD	TVD					600	300	200	100	60	30						6	3
12-oct-1993 23:00	2571	2571	ANCO 2000	62.0	1.50	0.0	60	42	35	26			7	6	50.0	18.0	11.0	3.5	6.0
13-oct-1993 23:00	2653	2652	ANCO 2000	60.0	1.50	0.0	84	58	48	34			8	6	50.0	26.0	15.0		7.0
14-oct-1993 23:00	2741	2736	ANCO 2000	59.0	1.61	0.0	87	60	48	33			8	6	50.0	27.0	15.0		6.0
15-oct-1993 23:00	2818	2804	ANCO 2000	67.0	1.65	0.0	110	72	61	42			10	7	50.0	<b>38.0</b>	<b>16.8</b>	4.0	7.5
16-oct-1993 23:00	2855	2835	ANCO 2000	67.0	1.69	0.0	100	67	53	39			9	7	50.0	<b>33.0</b>	<b>16.8</b>	4.0	7.0

See also the report 'DAILY MOD PROPERTIES : OTHER PARAMETERS'

DAILY MUD PROPERTIES : RHEOLOGY PARAMETERS FOR WELL 34/8-10S

Hole section: 8 1/2"

WATER BASED SYSTEM

Date	Depth [m]		Mud Type	Funnel Vise [sec]	Dens [sg]	Mudtrtp Out [DegC]	Fann Readings						Rheo Test [DegC]	PV [mPas]	YP [Pa]	Gelo [Pa]	Gello [Pa]			
	MD	TVD					600	300	200	100	60	30						6	3	
17-oct-1993	23:00	2874	2851	ANCO 2000	63.0	1.70	0.0	95	62	50	34			8	6	50.0	33.0	13.0	3.4	6.5
18-oct-1993	23:00	2885	2859	ANCO 2000	67.0	1.70	0.0	95	61	50	34			8	6	50.0	34.0	12.0	3.4	6.5
19-oct-1993	23:00	2900	2872	ANCO 2000	74.0	1.70	0.0	93	62	50	33			8	6	50.0	31.0	14.0	3.4	6.8
20-oct-1993	23:00	2917	2885	ANCO 2000	66.0	1.69	0.0	87	58	50	32			9	7	50.0	29.0	29.0	3.8	7.2
21-oct-1993	22:00	2923	2890	ANCO 2000	65.0	1.69	0.0	93	61	49	33			10	8	50.0	32.0	13.0	3.6	7.2
22-oct-1993	23:00	2940	2904	ANCO 2000	66.0	1.69	0.0	97	64	52	34			10	8	50.0	33.0	14.0	3.6	7.7
23-oct-1993	22:00	2990	2943	ANCO 2000	63.0	1.69	0.0	86	57	45	31			10	7	50.0	29.0	13.0	3.8	8.1
24-oct-1993	22:00	3015	2963	ANCO 2000	64.0	1.69	0.0	85	67	44	30			9	7	50.0	28.0	13.0	3.8	8.1
25-oct-1993	22:00	3042	2985	ANCO 2000	64.0	1.69	0.0	85	57	44	30			9	7	50.0	28.0	13.0	3.8	8.1
26-oct-1993	22:00	3053	2994	ANCO 2000	87.0	1.69	0.0	93	62	49	33			10	8	50.0	31.0	14.0	4.9	9.6
27-oct-1993	22:00	3059	2999	ANCO 2000	95.0	1.68	0.0	103	68	56	3			10	7	50.0	35.0	15.0	4.5	10.5
28-oct-1993	22:00	3085	3019	ANCO 2000	100.0	1.68	0.0	103	68	57	3			10	7	50.0	35.0	15.0	4.3	10.1
29-oct-1993	22:00	3090	3023	ANCO 2000	89.0	1.69	0.0	106	69	58	37			9	7	50.0	37.0	15.0	4.0	9.5
30-oct-1993	21:00	3123	3049	ANCO 2000	89.0	1.69	0.0	105	70	57	39			11	8	50.0	35.0	16.0	4.5	9.0
31-oct-1993	21:00	3130	3055	ANCO 2000	88.0	1.69	0.0	102	67	54	35			9	7	50.0	35.0	15.0	4.0	8.0
01-nov-1993	21:00	3147	3068	ANCO 2000	80.0	1.70	0.0	97	64	52				10	8	50.0	33.0	14.0	4.5	9.0
02-nov-1993	22:00	3270	3165	ANCO 2000	85.0	1.68	0.0	108	71	57				9	7	50.0	37.0	16.0	4.5	10.0
03-nov-1993	21:00	3281	3174	ANCO 2000	101.0	1.68	0.0	110	72	56	37			8	6	50.0	38.0	16.0	1.8	li
04-nov-1993	22:15	3281	3174	ANCO 2000	90.0	1.68	0.0	110	72	57	38			8	6	50.0	38.0	16.0	1.8	li
05-nov-1993	21:00	3470	3316	ANCO 2000	81.0	1.68	0.0	94	61	47	31			8	6	50.0	33.0	13.0	4.0	8.0
06-nov-1993	21:00	3470	3316	ANCO 2000	89.0	1.68	0.0	98	64	50	33			8	6	50.0	21.0	14.0	1.8	8.0
07-nov-1993	18:00	3470	3316	ANCO 2000	87.0	1.68	0.0	96	63	51	35			8	6	50.0	21.0	14.0	1.8	8.0
08-nov-1993	21:00	3470	3316	ANCO 2000	8:8	1.68	0.0	95	62	50	34			8	6	50.0	33.0	13.0	4.0	8.0
09-nov-1993	16:30	3470	3316	ANCO 2000	8:8	1.68	0.0	104	66	53	34			7	5	50.0	38.0	13.0	3.0	7.0
10-nov-1993	17:00	3470	3316	ANCO 2000	105.0	1.68	0.0	96	61	47	31			7	5	50.0	35.0	13.0	2.5	7.0
11-nov-1993	20:00	3470	3316	ANCO 2000	112.0	1.68	0.0	102	65	49	34			6	5	50.0	37.0	14.0	3.5	9.0
12-nov-1993	19:00	3470	3316	ANCO 2000	91.0	1.68	0.0	106	70	56	38			7	5	50.0	367.0	17.0	4.0	24.0
13-nov-1993	23:59	3470	3316	TEST FLUID	55.0	1.66	0.0	65	39	30	20			4	3	50.0	26.0	6.5	2.0	12.0
14-nov-1993	23:59	3470	3316	TEST FLUID	62.0	1.66	0.0	70	43	33	21			6	4	50.0	27.0	8.0	2.0	13.0
15-nov-1993	21:00	3470	3316	TEST FLUID	68.0	1.66	0.0	73	45	35	22			6	4	50.0	28.0	8.5	2.0	14.0
16-nov-1993	22:00	3470	3316	TEST FLUID	68.0	1.66	0.0	73	45	35	22			6	4	50.0	27.0	8.5	U	14.0
17-nov-1993	22:00	3470	3316	TEST FLUID	68.0	1.66	0.0	71	43	33	20			8	6	50.0	27.0	7.5	U	17.0
18-nov-1993	21:30	3470	3316	TEST FLUID	85.0	1.66	0.0	71	43	32	19			8	6	50.0	28.0	7.5	U	13.0
19-nov-1993	21:00	3470	3316	TEST FLUID	0.0	1.65	0.0	72	43	33	21			7	5	50.0	29.0	7.0	U	13.0
20-nov-1993	20:00	3470	3316	TEST FLUID	0.0	1.66	0.0	73	44	33	21			7	5	50.0	29.0	7.5	U	13.0
21-nov-1993	19:00	3470	3316	TEST FLUID	8:8	1.66	0.0	72	43	33	18			7	5	50.0	29.0	7.0	3.5	13.0
22-nov-1993	20:00	3470	3316	TEST FLUID	8:8	1.66	0.0	72	42	33	18			7	5	50.0	30.0	6.0	3.5	13.0

See also the report 'DAILY MUD PROPERTIES : OTHER PARAMETERS'

DAILY MUD PROPERTIES : RHEOLOGY PARAMETERS FOR WELL 34/8-10S

Hole section: 8 1/2"

WATER EASED SYSTEM

Date	Depth		Mud Type	Funnel Visc [sec]	Dens [sg]	Mudtmp [DegC]	Farm Readings								Rheo Test [DegC]	PV [irtPas]	YP [Pa]	GelO [Pa]	GellO [Pa]
	MD	TVD					600	300	200	100	60	30	6	3					
23-nov-1993 20:00	3470	333L6	TEST FLUID	0.0	1.66	0.0	72	43	33	20			7	5	50.0	<b>8.8</b>	7.0	3.5	13.0
24-nov-1993 20:00	3470	33:1.6	TEST FLUID	0.0	1.66	0.0	72	43	33	20			7	5	50.0	<b>8.8</b>	7.0	3.5	13.0
25-nov-1993 20:00	3470	33:1.6	TEST FLUID	0.0	1.66	0.0	72	43	33	20			7	5	50.0	<b>8.8</b>	7.0	3.5	13.0
26-nov-1993 19:00	3470	33:1.6	TEST FLUID	0.0	1.66	0.0	72	43	33	20			7	5	50.0	<b>8.8</b>	7.0	3.5	13.0
27-nov-1993 12:00	3470	333L6	TEST FLUID	0.0	1.66	0.0	65	40	30	19			9	6	50.0	25.0	7.5	4.0	15.0
28-nov-1993 12:00	3470	333.6	TEST FLUID	0.0	1.66	0.0	65	40	30	19			9	6	50.0	25.0	7.5	4.0	15.0
29-nov-1993 23:00	3470	33:1.6	TEST FLUID	88.0	1.66	0.0	79	47	37	23			3	3	50.0	32.0	7.5	3.5	7.5
30-nov-1993 23:00	3470	33:1.6	TEST FLUID	0.0	1.66	<b>8.8</b>	65	38	<b>28</b>	17			5	3	50.0	27.0	5.5	2.5	8.0
01-dec-1993 21:00	3470	33:1.6	TEST FLUID	0.0	1.66	<b>8.8</b>	64	38	<b>28</b>	17			5	3	50.0	26.0	6.0	2.5	8.0
02-dec-1993 22:00	3470	3316	TEST FLUID	0.0	1.66	0.0	64	39	<b>28</b>	17			5	3	50.0	25.0	7.0	2.5	8.0
03-dec-1993 22:00	3470	3316	TEST FLUID	0.0	1.66	<b>8.8</b>	64	39	28	17			5	3	50.0	25.0	7.0	2.5	<b>8.6</b>
04-dec-1993 22:00	3470	3316	TEST FLUID	0.0	1.66	0.0	64	39	27	16			5	3	50.0	25.0	7.0	2.5	7.5
05-dec-1993 22:00	3470	3316	TEST FLUID	0.0	1.66	<b>0.0</b>	63	38	27	16			5	3	50.0	25.0	6.5	2.5	7.5
06-dec-1993 22:00	3470	3316	TEST FLUID	0.0	1.60	<b>0.0</b>	52	33	24	15			5	3	50.0	19.0	7.0	2.5	7.5
07-dec-1993 22:00	1110	1110	TEST FLUID	0.0	1.62	0.0	65	42	34	22			6	4	50.0	23.0	9.5	3.5	9.0
08-dec-1993 20:00	390	390	TEST FLUID	0.0	1.60	0.0	63	41	33	22			5	3	50.0	22.0	9.5	3.0	8.0

See also the report 'DAILY MUD PROPERTIES : OTHER PARAMETERS'





DAILY MUD PROPERTIES: OTHERPARAMBTERS FOR WELL 34/8-10S

Hole section: 8 1/2"

WVIER BASED SYSTEM

Date	Depth		Mud Type	Dens [sg]	Filtrate [ml]	Filt [mm]	Filt cake [mm]	HHHT [psi/Deg.C]	pH	Alcalinity			Inhib [Kg/m3]	K+ [ng/l]	Or- [ng/l]	Ca++ [ng/l]	Mg++ [ng/l]	Tot Hard [mg]	Percentage			CEC [Ke/ro3]	ASG [sg]	L3S [Re/nfl]
	MD	TVD								Ca	Mg	Na							Solids [%]	Oil [%]	Sand [%]			
09-nov-1993	16:30	3470	3311	1.070	0.000	0.000	0.000	35/110	9.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	27	0.000	0.000	0.000	0.000	0.000	0.000
10-nov-1993	16:30	3470	3311	1.070	0.000	0.000	0.000	35/110	9.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	27	0.000	0.000	0.000	0.000	0.000	0.000
11-nov-1993	16:30	3470	3311	1.070	0.000	0.000	0.000	35/110	9.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	27	0.000	0.000	0.000	0.000	0.000	0.000
12-nov-1993	16:30	3470	3311	1.070	0.000	0.000	0.000	35/110	9.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	27	0.000	0.000	0.000	0.000	0.000	0.000
13-nov-1993	16:30	3470	3311	1.070	0.000	0.000	0.000	35/110	9.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	27	0.000	0.000	0.000	0.000	0.000	0.000
14-nov-1993	16:58	3470	3311	1.070	0.000	0.000	0.000	35/110	9.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	27	0.000	0.000	0.000	0.000	0.000	0.000
15-nov-1993	16:58	3470	3311	1.070	0.000	0.000	0.000	35/110	9.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	27	0.000	0.000	0.000	0.000	0.000	0.000
16-nov-1993	16:58	3470	3311	1.070	0.000	0.000	0.000	35/110	9.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	27	0.000	0.000	0.000	0.000	0.000	0.000
17-nov-1993	16:58	3470	3311	1.070	0.000	0.000	0.000	35/110	9.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	27	0.000	0.000	0.000	0.000	0.000	0.000
18-nov-1993	16:58	3470	3311	1.070	0.000	0.000	0.000	35/110	9.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	27	0.000	0.000	0.000	0.000	0.000	0.000
19-nov-1993	16:58	3470	3311	1.070	0.000	0.000	0.000	35/110	9.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	27	0.000	0.000	0.000	0.000	0.000	0.000
20-nov-1993	16:58	3470	3311	1.070	0.000	0.000	0.000	35/110	9.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	27	0.000	0.000	0.000	0.000	0.000	0.000
21-nov-1993	16:58	3470	3311	1.070	0.000	0.000	0.000	35/110	9.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	27	0.000	0.000	0.000	0.000	0.000	0.000
22-nov-1993	16:58	3470	3311	1.070	0.000	0.000	0.000	35/110	9.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	27	0.000	0.000	0.000	0.000	0.000	0.000
23-nov-1993	16:58	3470	3311	1.070	0.000	0.000	0.000	35/110	9.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	27	0.000	0.000	0.000	0.000	0.000	0.000
24-nov-1993	16:58	3470	3311	1.070	0.000	0.000	0.000	35/110	9.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	27	0.000	0.000	0.000	0.000	0.000	0.000
25-nov-1993	16:58	3470	3311	1.070	0.000	0.000	0.000	35/110	9.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	27	0.000	0.000	0.000	0.000	0.000	0.000
26-nov-1993	16:58	3470	3311	1.070	0.000	0.000	0.000	35/110	9.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	27	0.000	0.000	0.000	0.000	0.000	0.000
27-nov-1993	16:58	3470	3311	1.070	0.000	0.000	0.000	35/110	9.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	27	0.000	0.000	0.000	0.000	0.000	0.000
28-nov-1993	16:58	3470	3311	1.070	0.000	0.000	0.000	35/110	9.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	27	0.000	0.000	0.000	0.000	0.000	0.000
29-nov-1993	16:58	3470	3311	1.070	0.000	0.000	0.000	35/110	9.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	27	0.000	0.000	0.000	0.000	0.000	0.000
30-nov-1993	16:58	3470	3311	1.070	0.000	0.000	0.000	35/110	9.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	27	0.000	0.000	0.000	0.000	0.000	0.000

See also the report 'DAILY MUD PROPERTIES : RHEOLOGY PARAMETERS'