



PRESSURE TEST DATA SUMMARY

COMPANY: ELF AQUITAINE NORGE A/S DATE: 18 March 1983
 NR-MS-30008
 FIELD: EXPLORATION WELL NO: 1/3 - 3 JOB NO: NR-XS-30009
 TEST TYPE: DST TEST NO: 3 RUN NO: B MAX B.H.T. 130 °F
 PERFORATION INTERVAL: 4211 - 4214 METRES ZONE: _____

	TOP	MIDDLE	BOTTOM
GAUGE TYPE/NO.	<u>MK I NO. 0119</u>	_____	<u>MK III NO. 0123</u>
PRESSURE SENSING DEPTH	<u>4187.68 METRES</u>	_____	<u>4146.38 METRES</u>
ELEMENT SIZE	<u>10,000 PSI</u>	_____	<u>10,000 PSI</u>
TIME MODE	<u>4 MIN. + 17 HR. DELAY</u>	_____	<u>4 MIN. + 17 HR. DELA</u>
BATTERY TYPE	<u>SILVER OXIDE (MERCURY)</u>	_____	<u>SILVER OXIDE (VARTA)</u>

EVENT	SURFACE TIMES & DATES	TEMP.	°F
PACKER SET AT 4178.41 METRES	11:17	12 March 1983	
OPENED APR 'N' & BUBBLE HOSE	11:28		
CLOSED APR 'N'	11:33		
OPENED APR 'N'	12:37		
OPENED CHOKE MANIFOLD 1/4 " FIXED CHOKE	12:38		
INCREASED TO 3/8" ADJ CHOKE	16:40		
CHANGED TO 3/8" FIXED CHOKE	16:50		
CHANGED TO 3/8" ADJ CHOKE	16:55		
INCREASED 1/2" FIXED CHOKE	17:15		
FLOWED THROUGH HEATER	18:05		
FLOWED THROUGH SEPARATOR	20:00		
DECREASED TO 1/4" ADJ CHOKE	23:33		
CHANGED TO 1/4" FIXED CHOKE	23:45		
CLOSED APR 'N' & CHOKE	06:00	13 March 1983	
SHEARED APR 'M'	13:02	14 March 1983	
UNSEATED PACKER	13:35		

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 HOLIS ID: 139579

M.R.P.G. PRESSURES ARE RELATIVE TO GAUGE CLOCK TIMES.
 S.P.G. PRESSURES ARE RELATIVE TO TIME GRADIENT CALCULATED FROM SURFACE TIMES.

3/22/83

SPERRY-SUN INTERNATIONAL INC.
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE: 1

ELF AQUITAINE NORGE A/S
EXPLORATION
1/3-3

NORTH SEA NORWAY
12TH MARCH 1983
NR-MS-30008

D.S.T. NO 3B, MK3 GAUGE NO 0123, SENSING DEPTH 4146.38 METRES, INITIAL FLOW.

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
0.00	9274.045	299.8	10:51	12/ 3/83 INITIAL HYDROSTATIC
0.07	9284.828	299.8	10:55	
0.13	9286.121	299.8	10:59	
0.20	9275.770	299.8	11: 3	
0.27	9286.121	299.8	11: 7	
0.33	9283.534	299.8	11:11	
0.40	9290.003	299.8	11:15	
0.47	9289.141	299.8	11:19	SET PACKER
0.53	9294.317	299.8	11:23	
0.60	9332.274	299.8	11:27	
0.67	7319.268	299.8	11:31	OPENED APR"N"

3/21/83

SPERRY-SUN INTERNATIONAL INC.
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE: 2

ELF AQUITAINE NORGE A/S
EXPLORATION
1/3-3

NORTH SEA NORWAY
12TH MARCH 1983
NR-MS-30008

D.S.T. NO 3B, MK3 GAUGE NO 0123, SENSING DEPTH 4146.38 METRES, INITIAL BUILD UP.

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
0.00	7319.268	299.8	11:31	12/ 3/83 WELL SHUT IN
0.07	8482.027	300.7	11:35	
0.13	8624.579	300.7	11:39	
0.20	8641.378	300.7	11:43	
0.27	8647.408	300.7	11:47	
0.33	8649.131	300.7	11:51	
0.40	8649.131	300.7	11:55	
0.47	8649.993	300.7	11:59	
0.53	8651.285	300.7	12: 3	
0.60	8652.577	300.7	12: 7	
0.67	8653.439	300.7	12:11	
0.73	8654.300	300.7	12:15	
0.80	8655.162	300.7	12:19	
0.87	8655.592	300.7	12:23	
0.93	8656.454	300.7	12:27	
1.00	8657.315	300.7	12:31	
1.07	8657.746	300.7	12:35	END OF BUILD UP

3/21/83

SPERRY-SUN INTERNATIONAL INC.
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE: 3

ELF AQUITAINE NORGE A/S
EXPLORATION
1/3-3

NORTH SEA NORWAY
11TH MARCH 1983
NR-MS-30008

D.S.T. NO 3B, MK3 GAUGE NO 0123, SENSING DEPTH 4146.38 METRES, MAIN FLOW.

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
0.00	8657.746	300.7	12:35	12/ 3/83 OPENED APR"N"
0.07	5973.888	301.6	12:39	OPENED C/M ON 1/4" FIXED CHOKE
0.13	6001.489	300.7	12:43	
0.20	6692.712	30.2	12:47	
0.27	6023.694	302.4	12:51	
0.33	6006.122	302.4	12:55	
0.40	5989.668	303.3	12:59	
0.47	5977.503	304.2	13: 3	
0.53	5965.081	304.2	13: 7	
0.60	5947.184	305.0	13:11	
0.67	5931.338	305.0	13:15	
0.73	5915.336	305.9	13:19	
0.80	5900.779	305.9	13:23	
0.87	5887.935	305.9	13:27	
0.93	5874.513	306.8	13:31	
1.00	5861.672	306.8	13:35	
1.07	5849.260	306.8	13:39	
1.13	5833.424	306.8	13:43	
1.20	5815.990	307.6	13:47	
1.27	5801.442	307.6	13:51	
1.33	5773.629	307.6	13:55	
1.40	5765.928	307.6	13:59	
1.47	5743.554	308.5	14: 3	
1.53	5725.589	308.5	14: 7	
1.60	5706.768	308.5	14:11	
1.67	5688.804	308.5	14:15	
1.73	5663.460	309.4	14:19	
1.80	5643.363	309.4	14:23	
1.87	5623.266	309.4	14:27	
1.93	5601.032	309.4	14:31	
2.00	5564.263	309.4	14:35	
2.07	5549.461	310.2	14:39	
2.13	5521.678	310.2	14:43	
2.20	5495.606	310.2	14:47	
2.27	5468.253	310.2	14:51	
2.33	5441.328	310.2	14:55	
2.40	5414.347	311.1	14:59	
2.47	5388.285	311.1	15: 3	
2.53	5362.652	311.1	15: 7	
2.60	5331.040	311.1	15:11	
2.67	5298.539	312.0	15:15	
2.73	5269.926	312.0	15:19	
2.80	5234.909	312.0	15:23	
2.87	5201.176	312.0	15:27	
2.93	5167.871	312.0	15:31	
3.00	5136.703	312.0	15:35	
3.07	5101.509	312.8	15:39	
3.13	5058.827	312.8	15:43	
3.20	5013.587	312.8	15:47	
3.27	4982.007	312.8	15:51	

3/21/83

SPERRY-SUN INTERNATIONAL INC.
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE: 4

ELF AQUITAINE NORGE A/S
EXPLORATION
1/3-3

NORTH SEA NORWAY
11TH MARCH 1983
NR-MS-30008

D.S.T. NO 3B, MK3 GAUGE NO 0123, SENSING DEPTH 4146.38 METRES, MAIN FLOW.

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
3.33	4958.110	312.8	15:55	12/ 3/83
3.40	4948.758	313.7	15:59	
3.47	4971.797	313.7	16: 3	
3.53	4972.224	313.7	16: 7	
3.60	4959.424	313.7	16:11	
3.67	4959.424	313.7	16:15	
3.73	4949.220	314.6	16:19	
3.80	4936.424	314.6	16:23	
3.87	4923.202	314.6	16:27	
3.93	4920.216	314.6	16:31	
4.00	4933.865	314.6	16:35	
4.07	4944.102	314.6	16:39	
4.13	4877.615	315.5	16:43	INCREASED TO 3/8" ADJ CHOKE
4.20	4907.464	315.5	16:47	
4.27	4838.388	315.5	16:51	CHANGED TO 3/8" FIXED CHOKE
4.33	4675.540	315.5	16:55	CHANGED TO 3/8" ADJ CHOKE
4.40	4664.884	315.5	16:59	
4.47	4683.639	315.5	17: 3	
4.53	4712.198	315.5	17: 7	
4.60	4750.137	315.5	17:11	
4.67	4681.824	316.3	17:15	INCREASED TO 1/2" FIXED CHOKE
4.73	4263.060	316.3	17:19	
4.87	3845.037	316.3	17:27	
4.93	3712.288	316.3	17:31	
5.00	3610.621	316.3	17:35	
5.07	3528.960	316.3	17:39	
5.13	3471.550	316.3	17:43	
5.27	3364.769	317.2	17:51	
5.33	3342.241	317.2	17:55	
5.40	3319.714	317.2	17:59	
5.47	3326.090	317.2	18: 3	
5.53	3346.917	317.2	18: 7	FLOWED THROUGH HEATER
5.60	3374.121	317.2	18:11	
5.67	3377.522	317.2	18:15	
5.73	3387.298	317.2	18:19	
5.80	3356.693	317.2	18:23	
5.87	3325.240	317.2	18:27	
5.93	3357.968	317.2	18:31	
6.00	3377.097	317.2	18:35	
6.07	3385.173	317.2	18:39	
6.20	3428.108	317.2	18:47	
6.27	3406.428	317.2	18:51	
6.33	3389.362	318.1	18:55	
6.40	3405.937	318.1	18:59	
6.47	3443.764	318.1	19: 3	
6.53	3400.412	318.1	19: 7	
6.60	3390.637	318.1	19:11	
6.67	3364.288	318.1	19:15	
6.73	3353.239	318.1	19:19	
6.80	3347.714	318.1	19:23	

3/21/83

SPERRY-SUN INTERNATIONAL INC.
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE: 5

ELF AQUITAINE NORGE A/S
EXPLORATION
1/3-3

NORTH SEA NORWAY
11TH MARCH 1983
NR-MS-30008

D.S.T. NO 3B, MK3 GAUGE NO 0123, SENSING DEPTH 4146.38 METRES, MAIN FLOW.

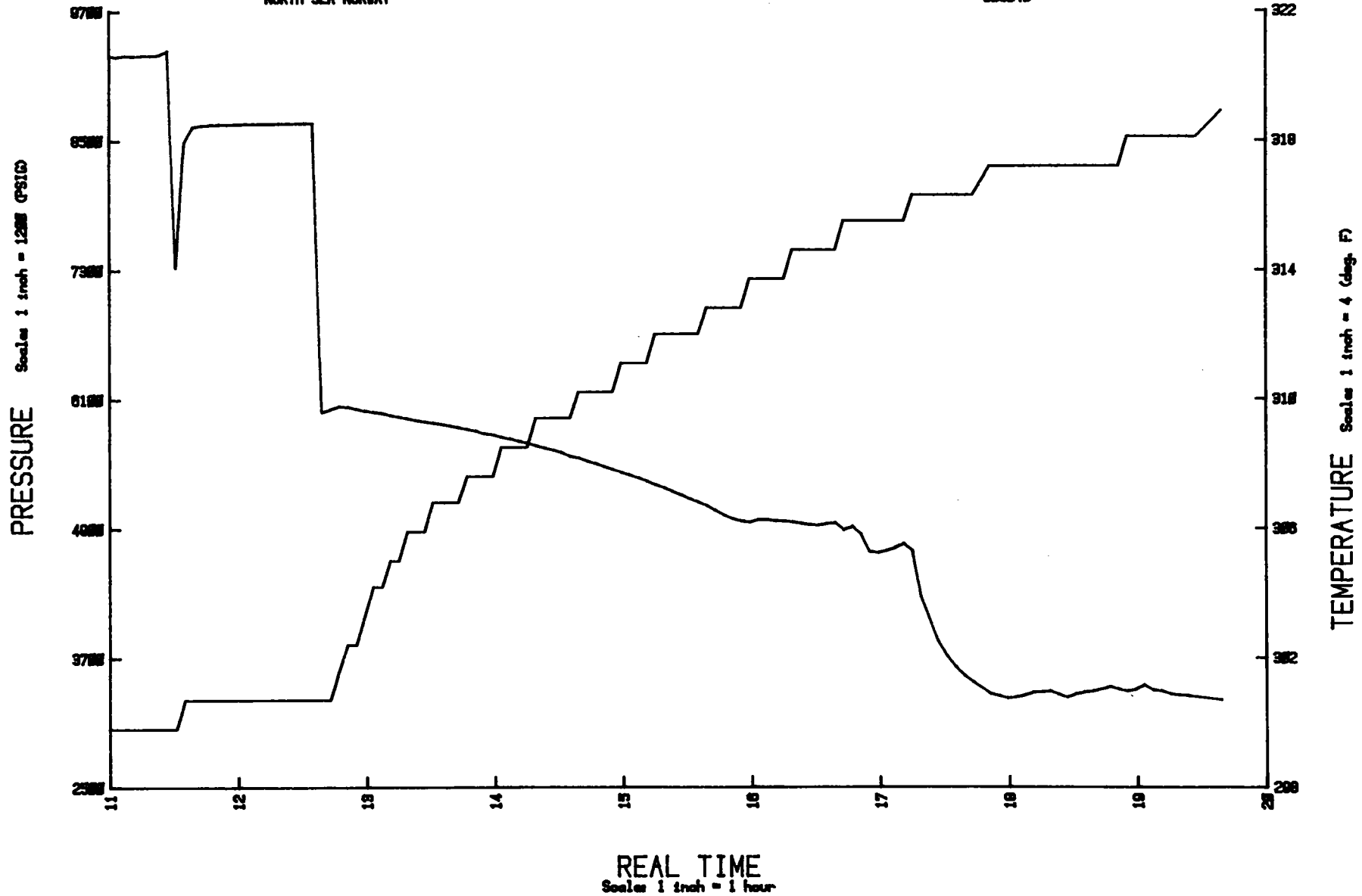
DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
6.87	3336.240	318.1	19:27	12/ 3/83
7.07	3307.493	318.9	19:39	END OF READINGS

ELF AQUITANE NORGE A/S
1/3-3
D.S.T. NO 98
NORTH SEA NORWAY

NL Sperry-Sun, Inc.

PRESSURE/TEMP. VS TIME PLOT

11TH MARCH 1983
NR-MS-30000
GAUGE NO 0129
080648



3/21/83

SPERRY-SUN INTERNATIONAL INC.
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE: 1

ELF AQUITAINE NORGE A/S
EXPLORATION
1/3-3

NORTH SEA NORWAY
12TH MARCH 1983
NR-XS-30009

D.S.T. NO 3B, SURFACE PROBE NO 0623, SEPERATOR PRESSURE.

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME
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0.000	35.0	40.0	20: 0
0.083	70.0	39.8	20: 5
0.167	208.0	40.4	20:10
0.250	64.0	41.0	20:15
0.333	78.0	41.9	20:20
0.417	86.0	42.8	20:25
0.500	90.0	43.6	20:30
0.583	87.0	44.6	20:35
0.667	96.0	45.9	20:40
0.750	96.0	47.1	20:45
0.833	98.0	47.9	20:50
0.917	87.0	49.2	20:55
1.000	98.0	50.1	21: 0
1.083	90.0	51.2	21: 5
1.167	97.0	52.6	21:10
1.250	96.0	55.0	21:15
1.333	97.0	56.7	21:20
1.417	96.0	56.4	21:25
1.500	100.0	57.9	21:30
1.583	99.0	60.1	21:35
1.667	96.0	61.6	21:40
1.750	89.0	66.9	21:45
1.833	98.0	42.8	21:50
1.917	96.0	66.7	21:55
2.000	97.0	94.3	22: 0
2.083	97.0	108.1	22: 5
2.167	106.0	118.4	22:10
2.250	98.0	121.0	22:15
2.333	90.0	121.8	22:20
2.417	83.0	121.7	22:25
2.500	90.0	120.8	22:30
2.750	101.0	122.0	22:45
2.917	105.0	126.9	22:55
3.000	106.0	129.2	23: 0
3.083	107.0	131.0	23: 5
3.167	106.0	131.3	23:10
3.250	106.0	133.1	23:15
3.333	103.0	133.6	23:20
3.417	105.0	134.7	23:25
3.500	105.0	135.5	23:30
3.583	45.0	134.5	23:35
3.667	38.0	123.7	23:40
3.750	18.0	111.9	23:45
3.833	184.0	119.1	23:50
3.917	192.0	134.1	23:55
4.000	241.0	143.4	0: 0
4.083	251.0	146.7	0: 5
4.167	273.0	143.2	0:10
4.250	287.0	138.8	0:15
4.333	293.0	132.8	0:20

12/ 3/83 FLOWING THROUGH
SEPERATOR ON 1/2" CHOKE

TEMPERATURE PROBE SWITCHED
TO GAS LINE

DECREASED TO 1/4" ADJ CHOKE

CHANGED TO 1/4" FIXED CHOKE

13/ 3/83

3/21/83

SPERRY-SUN INTERNATIONAL INC.
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE: 2

ELF AQUITAINE NORGE A/S
EXPLORATION
1/3-3

NORTH SEA NORWAY
12TH MARCH 1983
NR-XS-30009

D.S.T. NO 3B; SURFACE PROBE NO 0623; SEPERATOR PRESSURE.

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME
4.417	284.0	128.8	0:25
4.500	296.0	126.6	0:30
4.583	295.0	126.8	0:35
4.667	301.0	128.0	0:40
4.750	300.0	129.5	0:45
4.833	288.0	129.7	0:50
4.917	295.0	169.8	0:55
5.000	318.0	129.4	1: 0
5.083	316.0	128.5	1: 5
5.167	332.0	127.7	1:10
5.250	331.0	127.2	1:15
5.333	328.0	126.6	1:20
5.417	325.0	126.1	1:25
5.500	324.0	126.0	1:30
5.583	326.0	125.9	1:35
5.667	327.0	125.8	1:40
5.750	327.0	125.8	1:45
5.833	330.0	126.1	1:50
5.917	326.0	127.0	1:55
6.000	327.0	127.3	2: 0
6.083	330.0	127.2	2: 5
6.167	328.0	127.4	2:10
6.250	324.0	127.6	2:15
6.333	321.0	127.8	2:20
6.417	321.0	127.9	2:25
6.500	322.0	127.6	2:30
6.583	321.0	127.5	2:35
6.667	323.0	127.2	2:40
6.750	323.0	126.8	2:45
6.833	322.0	126.3	2:50
6.917	322.0	126.4	2:55
7.000	326.0	126.2	3: 0
7.083	324.0	126.2	3: 5
7.167	327.0	126.3	3:10
7.250	323.0	126.0	3:15
7.333	323.0	125.7	3:20
7.417	324.0	125.6	3:25
7.500	324.0	125.6	3:30
7.583	327.0	126.1	3:35
7.667	319.0	125.6	3:40
7.750	325.0	125.8	3:45
7.833	324.0	126.3	3:50
7.917	323.0	126.4	3:55
8.000	324.0	126.3	4: 0
8.083	324.0	126.7	4: 5
8.167	325.0	126.5	4:10
8.250	323.0	127.4	4:15
8.333	322.0	127.7	4:20
8.417	328.0	127.0	4:25
8.500	324.0	127.4	4:30

3/21/83

SPERRY-SUN INTERNATIONAL INC.
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE: 3

ELF AQUITAINE NORGE A/S
EXPLORATION
1/3-3

NORTH SEA NORWAY
12TH MARCH 1983
NR-XS-30009

D.S.T. NO 3B, SURFACE PROBE NO 0623, SEPERATOR PRESSURE.

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
8.583	324.0	127.4	4:35	13/ 3/83
8.667	325.0	127.2	4:40	
8.750	327.0	127.5	4:45	
8.833	324.0	127.4	4:50	
8.917	318.0	127.1	4:55	
9.000	336.0	128.6	5: 0	
9.083	333.0	128.3	5: 5	
9.167	333.0	127.9	5:10	
9.333	331.0	128.5	5:20	
9.417	332.0	128.8	5:25	
9.500	329.0	128.5	5:30	
9.583	329.0	128.2	5:35	
9.667	332.0	128.1	5:40	
9.750	330.0	127.8	5:45	
9.833	334.0	127.9	5:50	
9.917	315.0	126.2	5:55	
10.000	314.0	123.5	6: 0	WELL SHUT IN

ELF AQUITANE NORGE A/S
1/9-9
D. S. T. NO 98
SEPERATOR PRESSURES

NL Sperry-Sun, Inc.

PRESSURE/TEMP. Vs TIME PLOT

12TH MARCH 1989
NR-X9-98889
SURFACE GAUGE NO 0029
080298

