

sperry-sun international, inc.

Pressure Survey Report

For

ELF AQUITAINE NORGE A/S

WELL NO: 1/3 - 3

DST NO: 3B

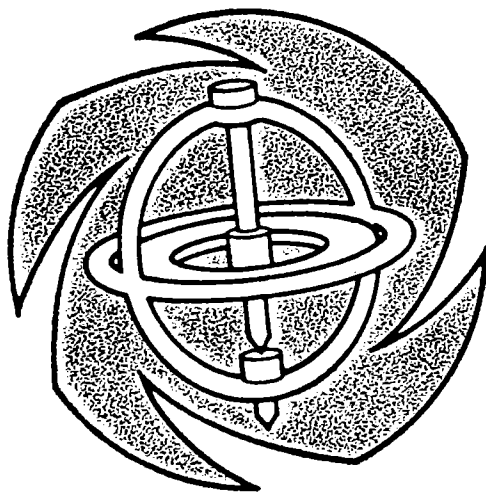
SURFACE & DOWN HOLE PRESSURES

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(A Sperry-Sun Company)

Precision Instruments / Professional Service

201



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. MK I NO. 0119 _____ MK III NO. 0123

PRESSURE SENSING DEPTH 4187.68 METRES _____ 4146.38 METRES

ELEMENT SIZE 10,000 PSI _____ 10,000 PSI

TIME MODE 4 MIN. + 17 HR. DELAY _____ 4 MIN. + 17 HR. DELAY

BATTERY TYPE SILVER OXIDE _____ SILVER OXIDE
(MERCURY) (VARTA)

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	

M.R.P.G. PRESSURES ARE RELATIVE TO GAUGE CLOCK TIMES.

S.P.G. PRESSURES ARE RELATIVE TO TIME GRADIENT CALCULATED FROM SURFACE TIMES.

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SPERRY-SUN INTERNATIONAL INC.
MAGNETIC RECORDING PRESSURE GAUGE REPORT

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ELF AQUITAINE NORGE A/S
EXPLORATION
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NORTH SEA NORWAY
12TH MARCH 1983
NR-XS-30009

D.S.T. NO 3B, SURFACE PROBE NO 2196, UP STREAM CHOKE MANIFOLD PRESSURE.

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TIME	
0.000	424.0	11:29	12/ 3/83 OPENED APR"N" AND
0.004	655.0	11:29	BUBBLE HOSE
0.008	796.0	11:29	
0.012	872.0	11:29	
0.017	936.0	11:29	
0.021	978.0	11:29	
0.025	1015.0	11:29	
0.029	1035.0	11:29	
0.033	1096.0	11:30	
0.038	1166.0	11:30	
0.042	1238.0	11:30	
0.046	1295.0	11:30	
0.050	1344.0	11:31	
0.054	1382.0	11:31	
0.058	1420.0	11:31	
0.062	1437.0	11:31	
0.067	1462.0	11:32	
0.071	1496.0	11:32	
0.075	1575.0	11:32	CLOSED BUBBLE HOSE
0.079	1647.0	11:32	
0.083	1704.0	11:33	
0.087	1750.0	11:33	
0.092	1778.0	11:33	
0.096	1808.0	11:33	CLOSED APR"N"

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

D.S.T. NO 3B, SURFACE PROBE NO 2196, UP STREAM CHOKE MANIFOLD PRESSURE.

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TIME
---------------------	----------------------------	------

0.000	1846.0	12:37	12/ 3/83 OPENED APR"N"
0.008	2126.0	12:37	
0.017	820.0	12:38	OPENED C/M ON 1/4" FIXED CHOKE
0.025	172.0	12:38	
0.033	86.0	12:39	
0.042	72.0	12:39	
0.050	66.0	12:40	
0.058	61.0	12:40	
0.067	61.0	12:41	
0.075	60.0	12:41	
0.083	58.0	12:42	
0.092	57.0	12:42	
0.100	56.0	12:43	
0.108	55.0	12:43	
0.117	54.0	12:44	
0.125	53.0	12:44	
0.133	52.0	12:45	
0.142	54.0	12:45	
0.150	51.0	12:46	
0.158	50.0	12:46	
0.167	50.0	12:47	
0.175	51.0	12:47	
0.183	50.0	12:48	
0.192	49.0	12:48	
0.200	49.0	12:49	
0.208	51.0	12:49	
0.217	48.0	12:50	
0.225	48.0	12:50	
0.233	48.0	12:51	
0.242	49.0	12:51	
0.250	47.0	12:52	
0.258	46.0	12:52	
0.267	48.0	12:53	
0.275	47.0	12:53	
0.292	49.0	12:54	
0.308	46.0	12:55	
0.325	47.0	12:56	
0.342	46.0	12:57	
0.358	46.0	12:58	
0.375	46.0	12:59	
0.392	46.0	13: 0	
0.408	46.0	13: 1	
0.425	46.0	13: 2	
0.442	45.0	13: 3	
0.458	47.0	13: 4	
0.475	46.0	13: 5	
0.492	45.0	13: 6	
0.508	46.0	13: 7	
0.525	45.0	13: 8	
0.542	45.0	13: 9	

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ELF AQUITAINE NORGE A/S
EXPLORATION
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NORTH SEA NORWAY
12TH MARCH 1983
NR-XS-30009

D.S.T. NO 3B, SURFACE PROBE NO 2196, UP STREAM CHOKE MANIFOLD PRESSURE.

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TIME	
0.642	47.0	13:15	12/ 3/83
0.808	43.0	13:25	
0.975	47.0	13:35	
1.142	48.0	13:45	
1.308	53.0	13:55	
1.475	53.0	14: 5	
1.642	59.0	14:15	
1.808	64.0	14:25	
1.975	69.0	14:35	
2.142	75.0	14:45	
2.308	81.0	14:55	
2.475	91.0	15: 5	
2.642	100.0	15:15	
2.725	108.0	15:20	
2.808	116.0	15:25	
2.892	127.0	15:30	
2.975	141.0	15:35	
3.058	159.0	15:40	
3.142	188.0	15:45	
3.225	237.0	15:50	
3.308	305.0	15:55	
3.392	386.0	16: 0	
3.475	461.0	16: 5	
3.558	547.0	16:10	
3.642	648.0	16:15	
3.725	667.0	16:20	
3.808	641.0	16:25	
3.892	618.0	16:30	
3.975	673.0	16:35	
4.058	724.0	16:40	INCREASED TO 3/8" ADJ CHOKE
4.142	740.0	16:45	
4.225	773.0	16:50	CHANGED TO 3/8" FIXED CHOKE
4.308	773.0	16:55	CHANGED TO 3/8" ADJ CHOKE
4.392	819.0	17: 0	
4.475	849.0	17: 5	
4.558	870.0	17:10	
4.642	904.0	17:15	INCREASED TO 1/2" FIXED CHOKE
4.725	653.0	17:20	
4.808	569.0	17:25	
4.892	511.0	17:30	
4.975	503.0	17:35	
5.058	494.0	17:40	
5.142	468.0	17:45	
5.225	441.0	17:50	
5.308	467.0	17:55	
5.392	446.0	18: 0	
5.475	478.0	18: 5	FLOWED THROUGH HEATER
5.558	468.0	18:10	
5.642	489.0	18:15	
5.725	445.0	18:20	

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ELF AQUITAINE NORGE A/S
EXPLORATION
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NORTH SEA NORWAY
12TH MARCH 1983
NR-XS-30009

D.S.T. NO 3B, SURFACE PROBE NO 2196, UP STREAM CHOKE MANIFOLD PRESSURE.

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TIME	
5.808	353.0	18:25	12/ 3/83
5.892	367.0	18:30	
5.975	388.0	18:35	
6.058	326.0	18:40	
6.142	499.0	18:45	
6.225	463.0	18:50	
6.308	337.0	18:55	
6.392	373.0	19: 0	
6.475	481.0	19: 5	
6.558	494.0	19:10	
6.642	508.0	19:15	
6.725	516.0	19:20	
6.808	504.0	19:25	
6.892	517.0	19:30	
6.975	517.0	19:35	
7.058	489.0	19:40	
7.142	498.0	19:45	
7.225	502.0	19:50	
7.308	503.0	19:55	
7.392	481.0	20: 0	
7.475	515.0	20: 5	
7.558	528.0	20:10	
7.642	523.0	20:15	
7.725	521.0	20:20	
7.808	459.0	20:25	
7.892	476.0	20:30	
7.975	536.0	20:35	
8.058	521.0	20:40	
8.142	518.0	20:45	
8.225	515.0	20:50	
8.308	526.0	20:55	
8.392	527.0	21: 0	
8.475	534.0	21: 5	
8.558	534.0	21:10	
8.642	528.0	21:15	
8.725	534.0	21:20	
8.808	519.0	21:25	
8.892	555.0	21:30	
8.975	542.0	21:35	
9.058	527.0	21:40	
9.142	515.0	21:45	
9.225	537.0	21:50	
9.308	532.0	21:55	
9.392	535.0	22: 0	
9.475	536.0	22: 5	
9.558	514.0	22:10	
9.642	539.0	22:15	
9.725	509.0	22:20	
9.808	545.0	22:25	
9.892	507.0	22:30	

FLOWED THROUGH SEPERATOR

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

D.S.T. NO 3B, SURFACE PROBE NO 2196, UP STREAM CHOKE MANIFOLD PRESSURE.

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TIME	
10.142	547.0	22:45	12/ 3/83
10.308	551.0	22:55	
10.392	555.0	23: 0	
10.475	499.0	23: 5	
10.558	552.0	23:10	
10.642	556.0	23:15	
10.725	557.0	23:20	
10.808	564.0	23:25	
10.892	563.0	23:30	
10.975	642.0	23:35	
11.058	772.0	23:40	
11.142	930.0	23:45	
11.225	1018.0	23:50	
11.308	1088.0	23:55	
11.392	1153.0	0: 0	13/ 3/83
11.475	1205.0	0: 5	
11.558	1243.0	0:10	
11.642	1269.0	0:15	
11.725	1301.0	0:20	
11.808	1322.0	0:25	
11.892	1336.0	0:30	
11.975	1340.0	0:35	
12.058	1359.0	0:40	
12.142	1370.0	0:45	
12.225	1374.0	0:50	
12.308	1378.0	0:55	
12.392	1386.0	1: 0	
12.475	1387.0	1: 5	
12.558	1390.0	1:10	
12.642	1391.0	1:15	
12.725	1393.0	1:20	
12.808	1393.0	1:25	
12.892	1395.0	1:30	
12.975	1398.0	1:35	
13.058	1400.0	1:40	
13.142	1400.0	1:45	
13.225	1401.0	1:50	
13.308	1401.0	1:55	
13.392	1402.0	2: 0	
13.475	1402.0	2: 5	
13.558	1400.0	2:10	
13.642	1400.0	2:15	
13.725	1401.0	2:20	
13.808	1400.0	2:25	
13.892	1403.0	2:30	
13.975	1405.0	2:35	
14.058	1407.0	2:40	
14.142	1407.0	2:45	
14.225	1409.0	2:50	
14.308	1411.0	2:55	

DECREASED TO 1/4" ADJ CHOKE

CHANGED TO 1/4" FIXED CHOKE

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MAGNETIC RECORDING PRESSURE GAUGE REPORT

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

D.S.T. NO 3B, SURFACE PROBE NO 2196, UP STREAM CHOKE MANIFOLD PRESSURE.

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TIME	
14.392	1414.0	3: 0	13/ 3/83
14.475	1417.0	3: 5	
14.558	1419.0	3:10	
14.642	1418.0	3:15	
14.725	1422.0	3:20	
14.808	1423.0	3:25	
14.892	1427.0	3:30	
14.975	1433.0	3:35	
15.058	1434.0	3:40	
15.175	1436.0	3:47	
15.225	1436.0	3:50	
15.308	1436.0	3:55	
15.392	1438.0	4: 0	
15.475	1437.0	4: 5	
15.558	1438.0	4:10	
15.642	1437.0	4:15	
15.725	1440.0	4:20	
15.808	1440.0	4:25	
15.892	1440.0	4:30	
15.975	1439.0	4:35	
16.058	1439.0	4:40	
16.142	1439.0	4:45	
16.225	1449.0	4:50	
16.308	1453.0	4:55	
16.392	1454.0	5: 0	
16.475	1457.0	5: 5	
16.558	1457.0	5:10	
16.725	1458.0	5:20	
16.808	1459.0	5:25	
16.892	1460.0	5:30	
16.975	1463.0	5:35	
17.058	1461.0	5:40	
17.142	1462.0	5:45	
17.225	1466.0	5:50	
17.308	1465.0	5:55	
17.392	1463.0	6: 0	

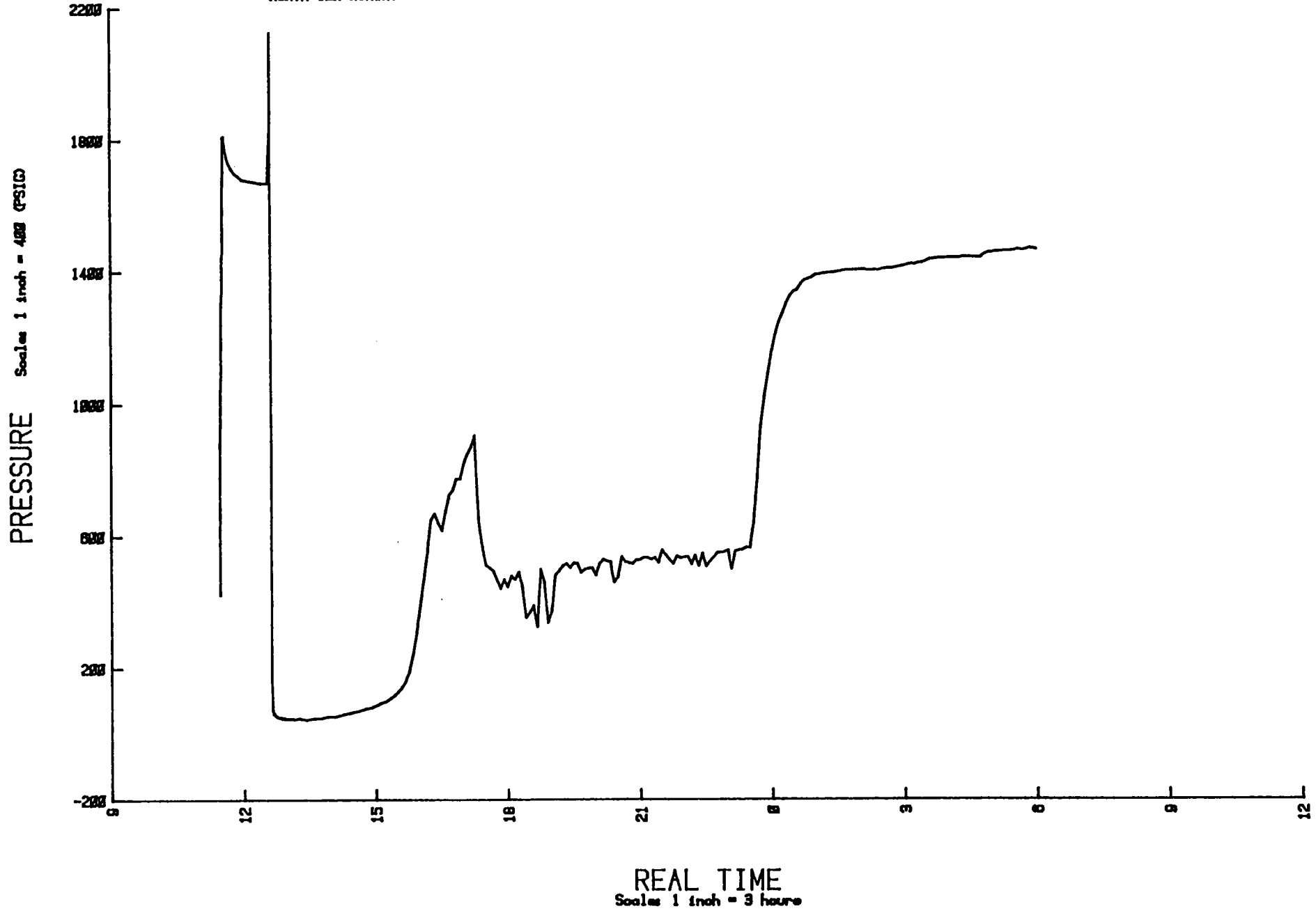
CLOSED APR"N" & CHOKE MANIFOLD

ELF AQUITANE NORGE A/S
1/3-3
D.S.T. NO 38
NORTH SEA NORWAY

NL Sperry-Sun, Inc.

PRESSURE/TEMP. Vs TIME PLOT

12TH MARCH 1983
NR-XS-30000
SURFACE PROBE NO 2100
02100E



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SPERRY-SUN INTERNATIONAL INC.
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ELF AQUITAINE NORGE A/S
EXPLORATION
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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	
0.000	35.0	40.0	20: 0	12/ 3/83 FLOWING THROUGH
0.083	70.0	39.8	20: 5	SEPERATOR ON 1/2" CHOKE
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	TEMPERATURE PROBE SWITCHED
2.083	97.0	108.1	22: 5	TO GAS LINE
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	DECREASED TO 1/4" ADJ CHOKE
3.667	38.0	123.7	23:40	
3.750	18.0	111.9	23:45	CHANGED TO 1/4" FIXED CHOKE
3.833	184.0	119.1	23:50	
3.917	192.0	134.1	23:55	
4.000	241.0	143.4	0: 0	13/ 3/83
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	

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EXPLORATION
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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 13/ 3/83
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

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ELF AQUITAINE NORGE A/S
EXPLORATION
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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	

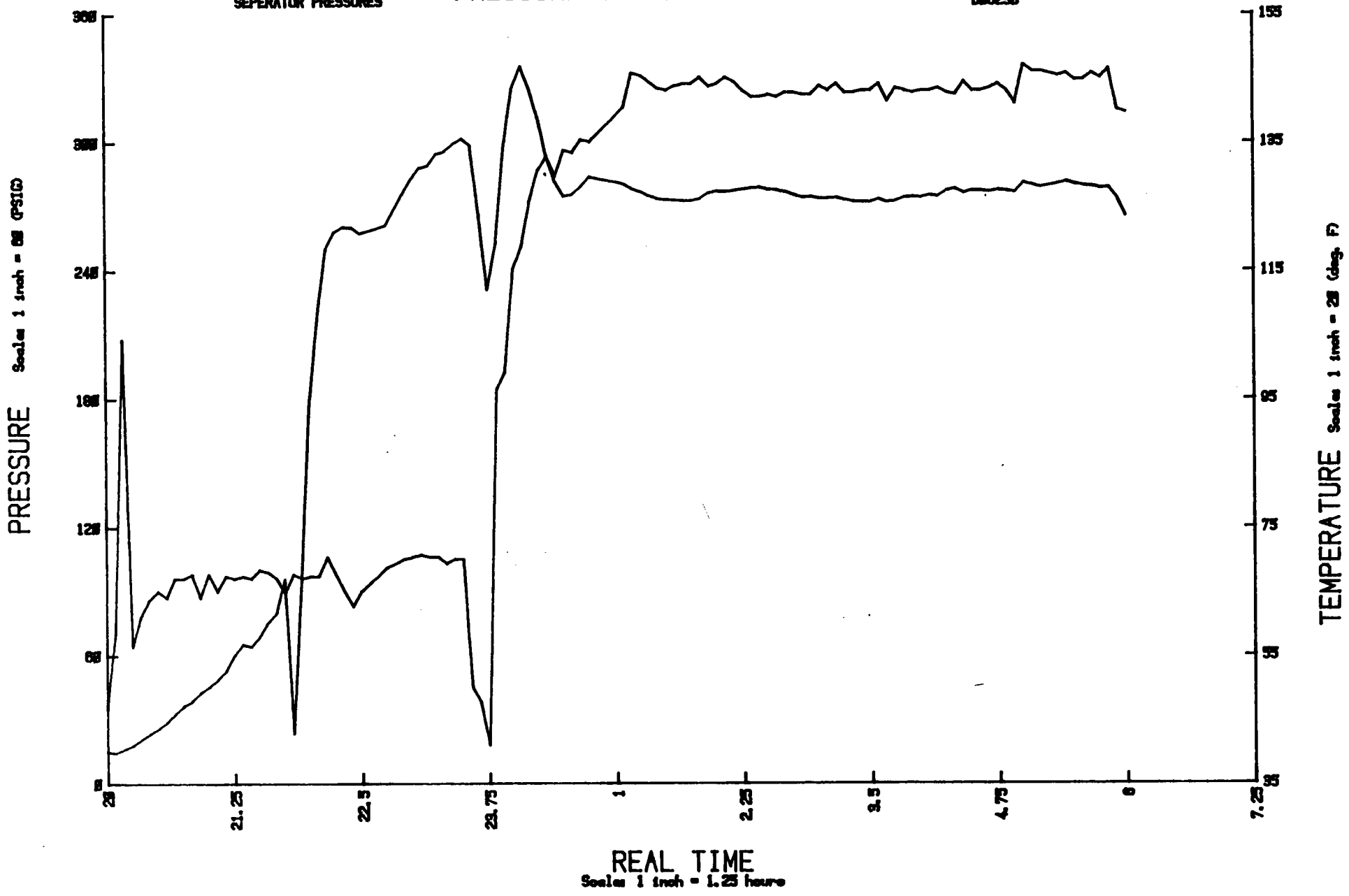
WELL SHUT IN

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

NL Sperry-Sun, Inc.

PRESSURE/TEMP. V_s TIME PLOT

12TH MARCH 1989
NR-XS-38000
SURFACE GAUGE NO 8023
080238



3/22/83

SPERRY-SUN INTERNATIONAL INC.
MAGNETIC RECORDING PRESSURE GAUGE REPORT

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ELF AQUITAINE NORGE A/S
EXPLORATION
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NORTH SEA NORWAY
12TH MARCH 1983
NR-MS-30008

D.S.T. NO 38, 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"

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SPERRY-SUN INTERNATIONAL INC.
MAGNETIC RECORDING PRESSURE GAUGE REPORT

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ELF AQUITAINE NORGE A/S
EXPLORATION
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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

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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
0.07	5973.888	301.6	12:39
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

12/ 3/83 OPENED APR"N"
OPENED C/M ON 1/4" FIXED CHOKE

3/21/83

SPERRY-SUN INTERNATIONAL INC.
MAGNETIC RECORDING PRESSURE GAUGE REPORT

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ELF AQUITAINE NORGE A/S
EXPLORATION
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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	

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SPERRY-SUN INTERNATIONAL INC.
MAGNETIC RECORDING PRESSURE GAUGE REPORT

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ELF AQUITAINE NORGE A/S
EXPLORATION
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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.

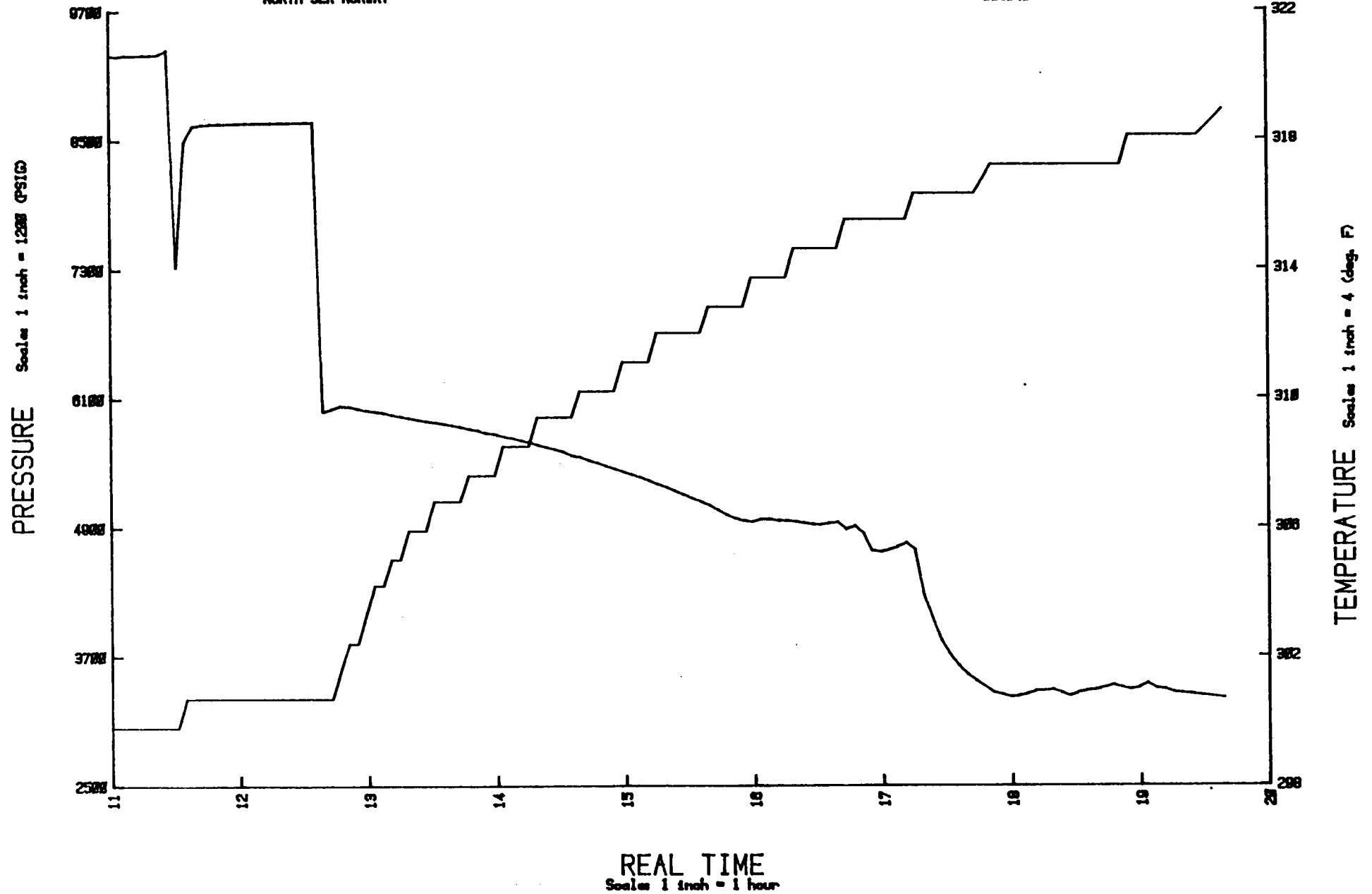
DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
6.87	3336.240	318.1	19:27	12/ 3/83
7.07	3307.493	318.9	19:39	END OF READINGS

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-NS-30000
GAUGE NO 0129
080048



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SPERRY-SUN INTERNATIONAL INC.
MAGNETIC RECORDING PRESSURE GAUGE REPORT

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ELF AQUITAINE NORGE A/S
EXPLORATION
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NORTH SEA NORWAY
12TH MARCH 1983
NR-XS-30009

D.S.T. NO 3B, SURFACE PROBE NO 1534, ANNULUS PRESSURE.

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TIME	
0.000	1771.0	11:28	12/ 3/83 APR"N" OPENED FOR
0.017	1939.0	11:29	INITIAL FLOW
0.033	1935.0	11:30	
0.050	1937.0	11:31	
0.067	1937.0	11:32	
0.083	1401.0	11:33	
0.100	4.0	11:34	APR"N" CLOSED FOR
0.200	4.0	11:40	INITIAL BUILD UP
0.350	6.0	11:49	
0.517	6.0	11:59	
0.683	6.0	12: 9	
1.100	7.0	12:34	
1.150	1013.0	12:37	APR"N" OPENED FOR
1.167	1758.0	12:38	MAIN FLOW
1.183	1737.0	12:39	
1.283	1741.0	12:45	
1.383	1764.0	12:51	
1.450	1778.0	12:55	
1.550	1804.0	13: 1	
1.617	1822.0	13: 5	
1.683	1839.0	13: 9	
1.783	1863.0	13:15	
1.867	1883.0	13:20	
1.950	1902.0	13:25	
2.033	1921.0	13:30	
2.117	1938.0	13:35	
2.200	1956.0	13:40	
2.283	1974.0	13:45	
2.367	1693.0	13:50	
2.450	1713.0	13:55	
2.533	1724.0	14: 0	
2.617	1742.0	14: 5	
2.700	1757.0	14:10	
2.783	1772.0	14:15	
2.867	1793.0	14:20	
2.950	1810.0	14:25	
3.033	1846.0	14:30	
3.117	1838.0	14:35	
3.200	1851.0	14:40	
3.283	1863.0	14:45	
3.367	1880.0	14:50	
3.450	1894.0	14:55	
3.533	1910.0	15: 0	
3.617	1926.0	15: 5	
3.700	1945.0	15:10	
3.783	1958.0	15:15	
3.867	1966.0	15:20	
3.950	1688.0	15:25	
4.033	1698.0	15:30	
4.117	1717.0	15:35	

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SPERRY-SUN INTERNATIONAL INC.
MAGNETIC RECORDING PRESSURE GAUGE REPORT

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ELF AQUITAINE NORGE A/S
EXPLORATION
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NORTH SEA NORWAY
12TH MARCH 1983
NR-XS-30009

D.S.T. NO 3B, SURFACE PROBE NO 1534, ANNULUS PRESSURE.

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TIME	
4.200	1751.0	15:40	12/ 3/83
4.283	1752.0	15:45	
4.367	1756.0	15:50	
4.533	1780.0	16: 0	
4.700	1805.0	16:10	
4.867	1817.0	16:20	
5.033	1866.0	16:30	
5.200	1868.0	16:40	
5.367	1882.0	16:50	
5.533	1916.0	17: 0	
5.617	1850.0	17: 5	
5.700	1749.0	17:10	
5.867	1768.0	17:20	
6.033	1799.0	17:30	
6.200	1846.0	17:40	
6.367	1893.0	17:50	
6.533	1941.0	18: 0	
6.617	1688.0	18: 5	
6.700	1701.0	18:10	
6.867	1766.0	18:20	
7.033	1790.0	18:30	
7.200	1845.0	18:40	
7.367	1900.0	18:50	
7.533	1662.0	19: 0	
7.700	1699.0	19:10	
7.867	1746.0	19:20	
8.033	1792.0	19:30	
8.200	1839.0	19:40	
8.367	1882.0	19:50	
8.533	1923.0	20: 0	
8.700	1696.0	20:10	
8.867	1725.0	20:20	
9.033	1764.0	20:30	
9.200	1800.0	20:40	
9.367	1837.0	20:50	
9.533	1873.0	21: 0	
9.700	1912.0	21:10	
9.867	1953.0	21:20	
10.033	1707.0	21:30	
10.200	1734.0	21:40	
10.367	1765.0	21:50	
10.533	1800.0	22: 0	
10.700	1835.0	22:10	
10.867	1868.0	22:20	
11.033	1898.0	22:30	
11.283	1706.0	22:45	
11.533	1734.0	23: 0	
11.700	1760.0	23:10	
11.867	1790.0	23:20	
12.033	1821.0	23:30	

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SPERRY-SUN INTERNATIONAL INC.
MAGNETIC RECORDING PRESSURE GAUGE REPORT

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ELF AQUITAINE NORGE A/S
EXPLORATION
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NORTH SEA NORWAY
12TH MARCH 1983
NR-XS-30009

D.S.T. NO 3B, SURFACE PROBE NO 1534, ANNULUS PRESSURE.

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TIME	
12.200	1844.0	23:40	12/ 3/83
12.367	1855.0	23:50	
12.533	1860.0	0: 0	13/ 3/83
12.700	1868.0	0:10	
12.867	1876.0	0:20	
13.033	1881.0	0:30	
13.200	1887.0	0:40	
13.367	1894.0	0:50	
13.533	1901.0	1: 0	
13.700	1908.0	1:10	
13.867	1912.0	1:20	
14.033	1916.0	1:30	
14.200	1918.0	1:40	
14.533	1926.0	2: 0	
14.783	1930.0	2:15	
15.033	1937.0	2:30	
15.283	1947.0	2:45	
15.450	1698.0	2:55	
15.533	1708.0	3: 0	
15.783	1718.0	3:15	
16.033	1729.0	3:30	
16.283	1735.0	3:45	
16.533	1742.0	4: 0	
16.783	1752.0	4:15	
17.033	1761.0	4:30	
17.283	1772.0	4:45	
17.533	1788.0	5: 0	
17.783	1805.0	5:15	
18.033	1818.0	5:30	
18.283	1832.0	5:45	
18.450	1843.0	5:55	
18.533	227.0	6: 0	

APR"N" CLOSED FOR
MAIN BUILD UP

ELF AQUITANE NORGE A/S
1/3-3
D.S.T. NO 38
ANNULUS PRESSURES

NL Sperry-Sun, Inc.

PRESSURE/TEMP. VS TIME PLOT

12TH MARCH 1983
NR-XS-30000
SURFACE PROBE NO 1534
D1534B

