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# sperry-sun international, inc.

Pressure Survey Report  
For

ELF AQUITAINE NORGE A/S  
WELL NO: 1/3 - 3  
DATE: 28 February 1983  
TEST NO: DST 2

BP NORWAY LTD - FORUS  
CENTRAL LIBRARY  
EXPLORED REPORTS COLLECTION  
AC: ID: 38233  
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(A Sperry-Sun Company)

Precision Instruments / Professional Service

UPA  
DST



**PRESSURE TEST DATA SUMMARY**

COMPANY: ELF AQUITAINE NORGE A/S DATE: 28 February 1983  
 NR-MS-30008 (B)  
 FIELD: WILDCAT WELL NO: 1/3 - 3 JOB NO: NR-XS-30009 (B)  
 TEST TYPE: DST TEST NO: DST NO. 2 RUN NO: 1 MAX B.H.T.C. 310 °F  
 PERFORATION INTERVAL: 4,233 - 4,240 M (RKB) ZONE: UPPER JURASSIC

	TOP	MIDDLE	BOTTOM
GAUGE TYPE/NO.	<u>MRPG MK III NO. 2109</u>		<u>MRPG MK III NO. 224</u>
PRESSURE SENSING DEPTH	<u>4,174.16 M</u>	<u>(RKB)</u>	<u>4,213.12 M</u>
ELEMENT SIZE	<u>10,000 PSI</u>		<u>10,000 PSI</u>
TIME MODE	<u>4 MIN.</u>		<u>4 MIN.</u>
BATTERY TYPE	<u>SILVER OXIDE</u>		<u>SILVER OXIDE</u>

EVENT	SURFACE TIMES & DATES		TEMP.	°F
START GAUGE NO. 2241	07:53	24.02.83		
START GAUGE NO. 2109	08:15			
GAUGES IN STRING	08:12			
SET PACKER (1ST. TIME)	07:08	25.02.83	306.8	
SET PACKER (2ND. TIME)	07:15		306.8	
OPEN APR-N FOR INITIAL FLOW	12:05		307.6	
CLOSE APR-N FOR INITIAL BUILD-UP	12:10		307.6	
OPEN APR-N-FLOW THROUGH 16/64"				
ADJUSTABLE CHOKE	13:15		307.6	
CHANGE TO 24/64" ADJUSTABLE CHOKE	13:30		309.4	
CHANGE TO 24/64" FIXED CHOKE	16:40		315.5	
CLOSE APR-N FOR MAIN BUILD-UP	23:00		318.1	
UNSEAT PACKER	07:19	27.02.83	310.2	
GAUGES OUT OF STRING	00:55	28.02.83		

NOTE

- 1) NO PRESSURE RECORDED DOWNSTREAM OF CHOKE OR AT SEPERATOR.
- 2) GAUGE NO. 2241 FUNCTIONED FOR ONLY 20 HOURS DURING BUILD-UP.

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

ELF AQUITAINE NORGE A/S  
1/3-3  
WILDCAT  
OFFSHORE NORWAY

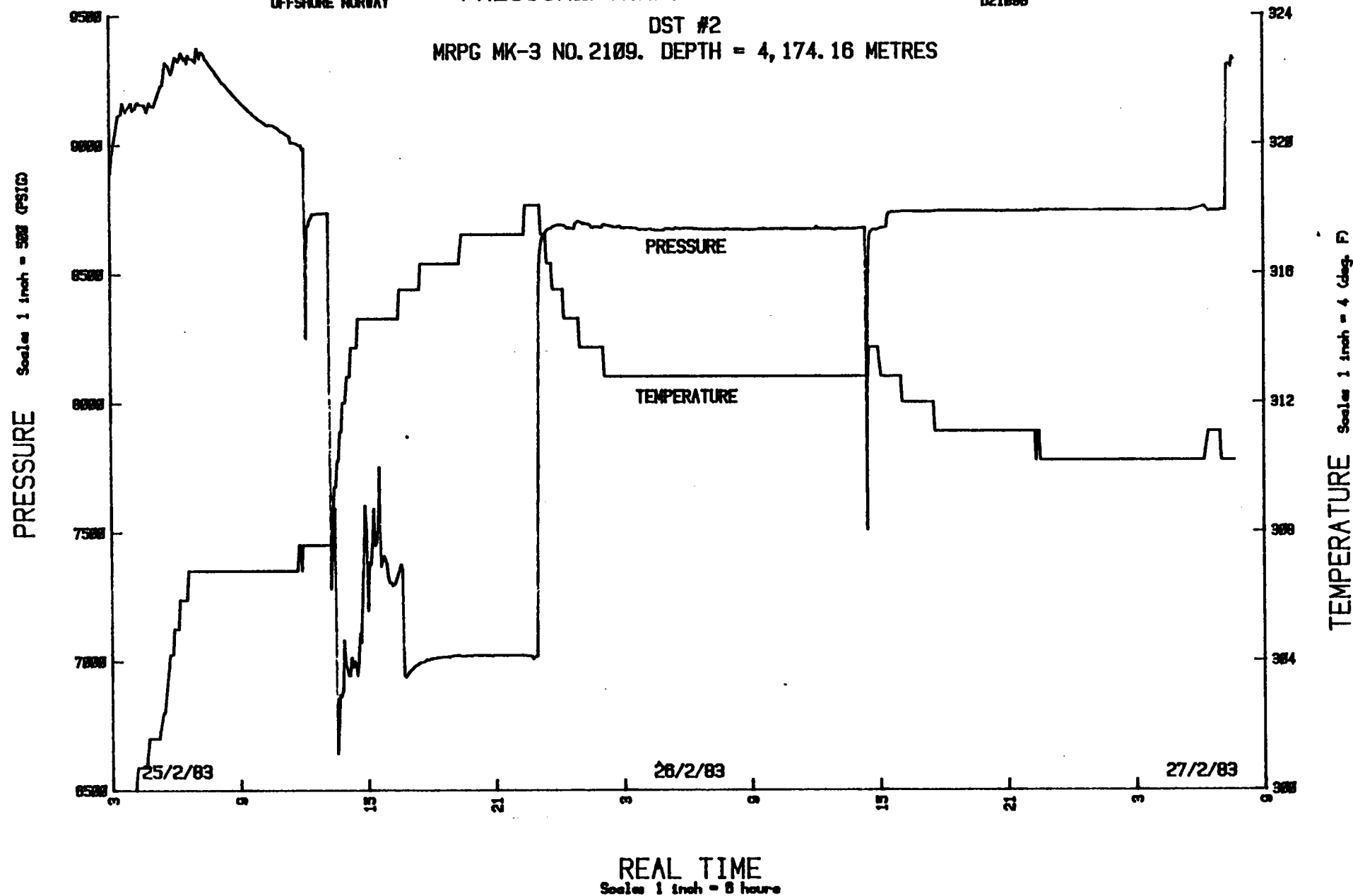
# NL Sperry-Sun, Inc.

## PRESSURE/TEMP. Vs TIME PLOT

28 FEBRUARY 1983  
NR-MS-30000 (B)  
2109  
021800

DST #2

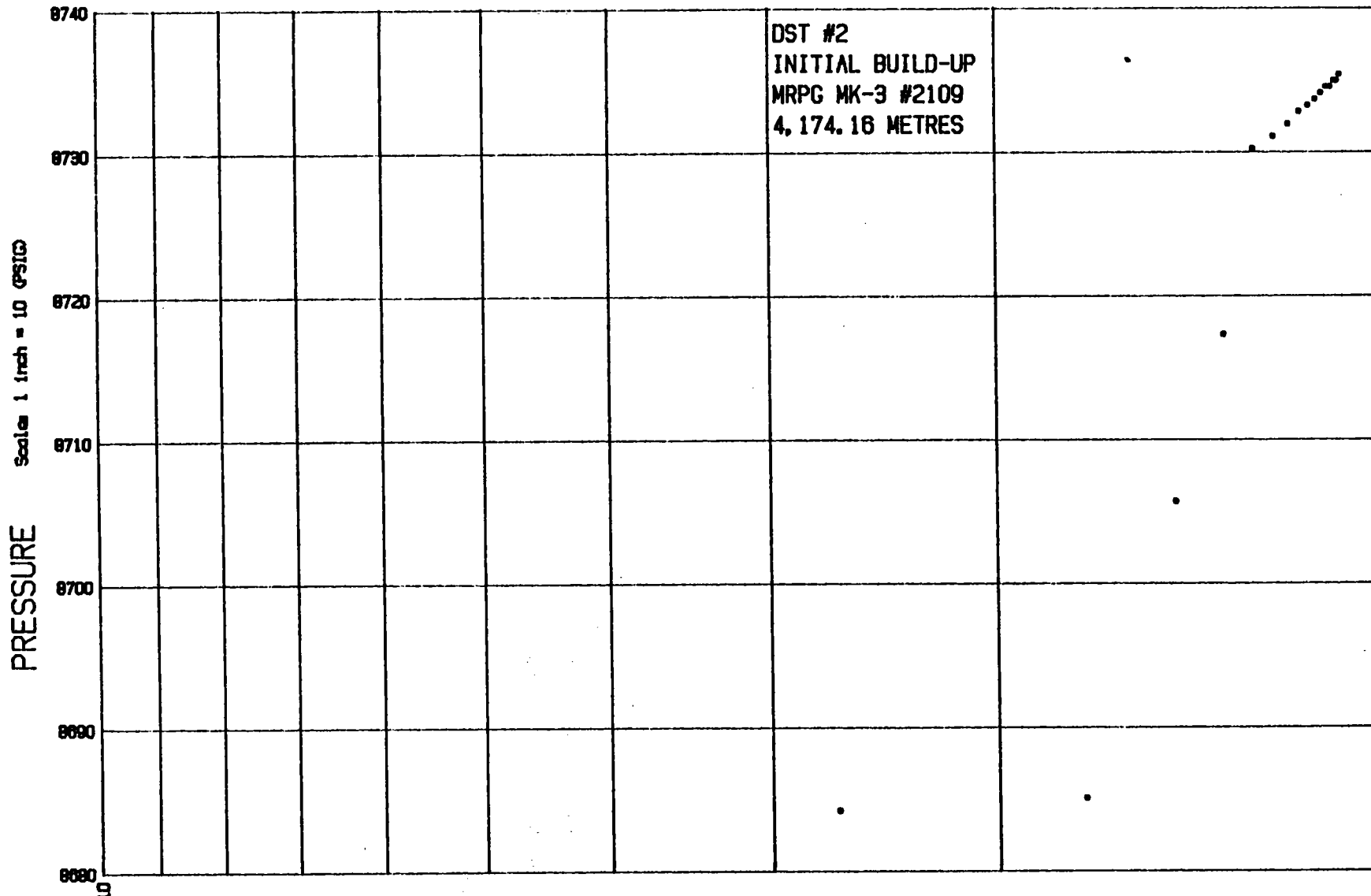
MRPG MK-3 NO. 2109. DEPTH = 4,174.16 METRES



ELF AQUITAINE NORGE A/S  
1/3-9  
WILDCAT  
OFFSHORE NORWAY

NL Sperry-Sun, Inc.  
HORNER PLOT

29 FEBRUARY 1983  
NR-NS-30008 (B)  
2109  
D2109A



T = .0833 hours

$(T+dt) / dt$

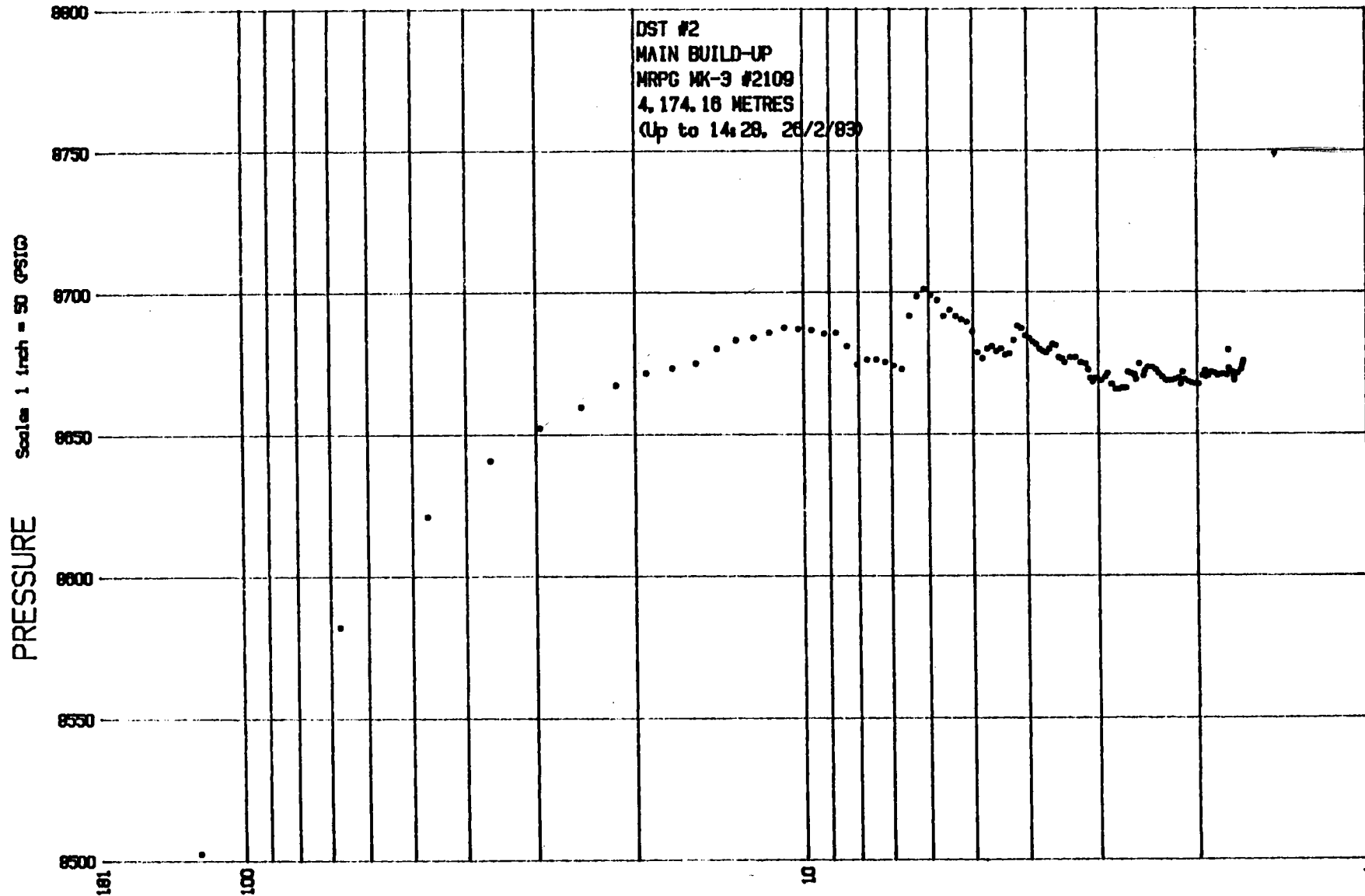
SHUT-IN TIME = 1675 mins.  
FINAL DELTA TIME = 1738 mins.

ELF AQUITAINE NORGE A/S  
1/3-3  
WILDCAT  
OFFSHORE NORWAY

# NL Sperry-Sun, Inc.

## HORNER PLOT

28 FEBRUARY 1983  
NR-NS-30009 (B)  
2109  
D2109A



T = 10 hours

$(T+dT)/dT$

SHUT-IN TIME = 2325 mins.  
FINAL DELTA TIME = 3246 mins.

3/ 3/83

SPERRY-SUN INTERNATIONAL INC.  
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE: 1

ELF AQUITAINE NORGE A/S

OFFSHORE NORWAY  
28 FEBRUARY 1983  
NR-MS-30008(B)

1/3-3

DST NO.2, MRPG MK-3 NO.2109, 4,174.16 METRES(RKB); (INITIAL HYDROSTATIC)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
0.000	9336.772	305.0	6: 5	25/ 2/83 GAUGES AT TEST DEPTH.
0.067	9332.895	305.0	6: 9	
0.133	9321.680	305.9	6:13	
0.200	9331.156	305.9	6:17	
0.267	9353.555	305.9	6:21	
0.333	9342.786	305.9	6:25	
0.400	9329.003	305.9	6:29	
0.467	9335.033	305.9	6:33	
0.533	9315.636	306.8	6:37	
0.600	9344.920	306.8	6:41	
0.667	9333.293	306.8	6:45	
0.800	9331.570	306.8	6:53	
0.867	9325.110	306.8	6:57	
0.933	9319.943	306.8	7: 1	
1.000	9370.761	306.8	7: 5	SET PACKER.
1.067	9350.950	306.8	7: 9	
1.133	9333.723	306.8	7:13	
1.200	9358.271	306.8	7:17	RE-SET PACKER.
1.267	9355.687	306.8	7:21	
1.333	9345.782	306.8	7:25	
1.400	9330.278	306.8	7:29	
1.467	9326.402	306.8	7:33	
1.533	9316.928	306.8	7:37	
1.600	9308.315	306.8	7:41	
1.667	9300.995	306.8	7:45	
1.733	9292.382	306.8	7:49	
1.800	9287.215	306.8	7:53	
1.867	9277.311	306.8	7:57	
1.933	9269.129	306.8	8: 1	
2.000	9261.809	306.8	8: 5	
2.067	9254.058	306.8	8: 9	
2.133	9245.877	306.8	8:13	
2.200	9239.418	306.8	8:17	
2.267	9235.974	306.8	8:21	
2.333	9228.223	306.8	8:25	
2.400	9222.626	306.8	8:29	
2.467	9215.737	306.8	8:33	
2.533	9209.278	306.8	8:37	
2.600	9202.389	306.8	8:41	
2.667	9196.362	306.8	8:45	
2.733	9189.903	306.8	8:49	
2.800	9183.876	306.8	8:53	
2.867	9177.848	306.8	8:57	
2.933	9171.821	306.8	9: 1	
3.000	9166.224	306.8	9: 5	
3.067	9160.627	306.8	9: 9	
3.133	9155.461	306.8	9:13	
3.200	9149.864	306.8	9:17	
3.267	9144.698	306.8	9:21	
3.333	9139.962	306.8	9:25	

3/ 3/83

SPERRY-SUN INTERNATIONAL INC.  
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE: 2

ELF AQUITAINE NORGE A/S

OFFSHORE NORWAY  
28 FEBRUARY 1983  
NR-MS-30008(B)

1/3-3

DST NO.2, MRPG MK-3 NO.2109, 4,174.16 METRES(RKB), (INITIAL HYDROSTATIC)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
3.400	9134.796	306.8	9:29	25/ 2/83
3.467	9129.200	306.8	9:33	
3.533	9124.034	306.8	9:37	
3.600	9119.299	306.8	9:41	
3.667	9114.133	306.8	9:45	
3.733	9109.397	306.8	9:49	
3.800	9104.662	306.8	9:53	
3.867	9099.927	306.8	9:57	
3.933	9097.774	306.8	10: 1	
4.000	9093.470	306.8	10: 5	
4.067	9089.165	306.8	10: 9	
4.133	9085.291	306.8	10:13	
4.200	9080.986	306.8	10:17	
4.267	9077.112	306.8	10:21	
4.333	9073.238	306.8	10:25	
4.400	9077.542	306.8	10:29	
4.467	9074.099	306.8	10:33	
4.533	9075.821	306.8	10:37	
4.600	9073.238	306.8	10:41	
4.667	9068.933	306.8	10:45	
4.733	9065.059	306.8	10:49	
4.800	9061.616	306.8	10:53	
4.867	9058.172	306.8	10:57	
4.933	9051.285	306.8	11: 1	
5.000	9048.702	306.8	11: 5	
5.067	9045.689	306.8	11: 9	
5.133	9042.246	306.8	11:13	
5.200	9039.233	306.8	11:17	
5.267	9036.220	306.8	11:21	
5.333	9031.916	306.8	11:25	
5.400	9007.382	306.8	11:29	
5.467	9007.382	306.8	11:33	
5.533	9006.521	306.8	11:37	
5.600	9004.799	306.8	11:41	
5.667	9003.078	306.8	11:45	
5.733	8999.154	307.6	11:49	
5.800	8997.002	307.6	11:53	
5.867	8998.343	306.8	11:57	
5.933	8980.650	307.6	12: 1	
6.000	8984.093	307.6	12: 5	

START INITIAL FLOW.

3/ 3/83

SPERRY-SUN INTERNATIONAL INC.  
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE: 3

ELF AQUITAINE NORGE #/S

OFFSHORE NORWAY  
28 FEBRUARY 1983  
NR-MS-30008(B)

1/3-3

DST NO.2: MRPB MK-3 NO.2109, 4,174.16 METRES(RKB), (INITIAL FLOW)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
0.000	8984.093	307.6	12: 5	25/ 2/83 OPEN APR, INITIAL FLOW.
0.067	8250.029	307.6	12: 9	CLOSE APR.

*flows*



3/ 3/83

SPERRY-SUN INTERNATIONAL INC.  
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE: 4

ELF AQUITAINE NORGE A/S

OFFSHORE NORWAY  
28 FEBRUARY 1983  
NR-MS-30008(B)

1/3-3

DST NO.2; MRPG MK-3 NO.2109; 4,174.16 METRES(RKB); (INITIAL BUILD UP)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME
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25/2

0	-0.017	8250.029	307.6	12: 9	25/ 2/83	CLOSE APR,
4	0.050	8684.246	307.6	12:13		
8	0.117	8685.106	307.6	12:17		
12	0.183	8705.751	307.6	12:21		
16	0.250	8717.364	307.6	12:25		
20	0.317	8730.267	307.6	12:29		
24	0.383	8731.127	307.6	12:33		
28	0.450	8731.987	307.6	12:37		
32	0.517	8732.848	307.6	12:41		
36	0.583	8733.278	307.6	12:45		
40	0.650	8733.708	307.6	12:49		
44	0.717	8734.138	307.6	12:53		
48	0.783	8734.568	307.6	12:57		
52	0.850	8734.568	307.6	13: 1		
56	0.917	8734.998	307.6	13: 5		
60	0.983	8734.998	307.6	13: 9		
64	1.050	8735.428	307.6	13:13		

END BUILD UP.

3/ 3/83

SPERRY-SUN INTERNATIONAL INC.  
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE: 5

ELF AQUITAINE NORGE A/S

OFFSHORE NORWAY  
28 FEBRUARY 1983  
NR-MS-30008(B)

1/3-3

DST NO.2, MRPG MK-3 NO.2109, 4,174.16 METRES(RKB), (MAIN FLOW)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME
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-0.033	8735.428	307.6	13:13
0.033	7280.476	307.6	13:17
0.100	7404.476	307.6	13:21
0.167	7586.364	308.5	13:25
0.233	7590.139	309.4	13:29
0.300	6641.825	309.4	13:33
0.367	6748.860	310.2	13:37
0.433	6870.097	310.2	13:41
0.500	6863.733	311.1	13:45
0.567	6884.723	311.1	13:49
0.633	7081.393	312.0	13:53
0.700	6987.575	312.0	13:57
0.767	6969.585	312.0	14: 1
0.833	6943.780	312.8	14: 5
0.900	6943.780	312.8	14: 9
0.967	7012.303	312.8	14:13
1.033	6976.790	313.7	14:17
1.100	6999.912	313.7	14:21
1.167	6988.779	313.7	14:25
1.233	6945.534	313.7	14:29
1.300	6993.489	313.7	14:33
1.367	7107.404	314.6	14:37
1.433	7073.150	314.6	14:41
1.500	7237.587	314.6	14:45
1.633	7602.603	314.6	14:53
1.700	7507.899	314.6	14:57
1.767	7196.045	314.6	15: 1
1.833	7382.794	314.6	15: 5
1.900	7372.941	314.6	15: 9
1.967	7443.201	314.6	15:13
2.033	7590.603	314.6	15:17
2.100	7446.628	314.6	15:21
2.167	7457.768	314.6	15:25
2.233	7498.901	314.6	15:29
2.300	7750.904	314.6	15:33
2.367	7364.802	314.6	15:37
2.433	7383.222	314.6	15:41
2.500	7405.499	314.6	15:45
2.567	7393.075	314.6	15:49
2.633	7375.940	314.6	15:53
2.700	7323.679	314.6	15:57
2.767	7304.403	314.6	16: 1
2.833	7303.547	314.6	16: 5
2.900	7293.267	314.6	16: 9
2.967	7295.837	314.6	16:13
3.033	7301.405	314.6	16:17
3.100	7320.252	314.6	16:21
3.167	7336.958	314.6	16:25
3.233	7357.091	314.6	16:29
3.300	7372.888	315.5	16:33

25/ 2/83 OPEN APR, FLOW THROUGH  
16/64" ADJUSTABLE CHOKE.

CHANGE TO 24/64"  
ADJUSTABLE CHOKE.

OPEN & CLOSE CHOKE TO  
CLEAR BLOCKAGE.  
RESET TO 24/64".

ELF AQUITAINE NORGE A/S

OFFSHORE NORWAY  
28 FEBRUARY 1983  
NR-MS-30008(B)

1/3-3

DST NO.2, MRPG MK-3 NO.2109, 4,174.16 METRES(RKB), (MAIN FLOW)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
3.367	7350.618	315.5	16:37	25/ 2/83 CHANGE TO 24/64" FIXED CHOKE.
3.433	6943.471	315.5	16:41	
3.500	6938.336	315.5	16:45	
3.567	6945.183	315.5	16:49	
3.633	6952.887	315.5	16:53	
3.700	6961.018	315.5	16:57	
3.767	6965.726	315.5	17: 1	
3.833	6971.718	315.5	17: 5	
3.900	6978.138	315.5	17: 9	
3.967	6981.990	315.5	17:13	
4.033	6985.414	315.5	17:17	
4.100	6987.126	315.5	17:21	
4.167	6993.546	315.5	17:25	
4.233	6995.258	315.5	17:29	
4.300	6995.994	316.3	17:33	
4.367	6997.278	316.3	17:37	
4.433	7000.701	316.3	17:41	
4.500	7005.409	316.3	17:45	
4.567	7004.125	316.3	17:49	
4.633	7005.409	316.3	17:53	
4.700	7008.832	316.3	17:57	
4.767	7009.688	316.3	18: 1	
4.833	7011.400	316.3	18: 5	
4.900	7011.400	316.3	18: 9	
4.967	7013.112	316.3	18:13	
5.033	7012.684	316.3	18:17	
5.100	7014.395	316.3	18:21	
5.167	7013.967	316.3	18:25	
5.233	7016.107	316.3	18:29	
5.300	7016.535	316.3	18:33	
5.367	7016.963	316.3	18:37	
5.433	7015.251	316.3	18:41	
5.500	7018.675	316.3	18:45	
5.567	7014.823	316.3	18:49	
5.633	7019.103	316.3	18:53	
5.700	7020.387	316.3	18:57	
5.767	7021.670	316.3	19: 1	
5.833	7021.670	316.3	19: 5	
5.900	7022.098	316.3	19: 9	
5.967	7022.526	316.3	19:13	
6.033	7022.098	316.3	19:17	
6.100	7019.959	316.3	19:21	
6.233	7020.834	317.2	19:29	
6.300	7020.834	317.2	19:33	
6.367	7021.261	317.2	19:37	
6.433	7021.261	317.2	19:41	
6.500	7021.689	317.2	19:45	
6.567	7018.694	317.2	19:49	
6.633	7021.261	317.2	19:53	
6.700	7022.545	317.2	19:57	

3/ 3/83

SPERRY-SUN INTERNATIONAL INC.  
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE: 7

ELF AQUITAINE NORGE A/S

OFFSHORE NORWAY  
28 FEBRUARY 1983  
NR-MS-30008(B)  
(MAIN FLOW)

1/3-3

DST NO.2, MRPG MK-3 NO.2109, 4,174.16 METRES(RKB),

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
6.767	7022.117	317.2	20: 1	25/ 2/83
6.833	7022.545	317.2	20: 5	
6.900	7022.117	317.2	20: 9	
6.967	7021.689	317.2	20:13	
7.033	7021.689	317.2	20:17	
7.100	7021.689	317.2	20:21	
7.167	7022.117	317.2	20:25	
7.233	7022.545	317.2	20:29	
7.300	7021.689	317.2	20:33	
7.367	7022.117	317.2	20:37	
7.433	7022.545	317.2	20:41	
7.500	7022.545	317.2	20:45	
7.567	7019.122	317.2	20:49	
7.633	7022.117	317.2	20:53	
7.700	7022.117	317.2	20:57	
7.767	7022.117	317.2	21: 1	
7.833	7022.117	317.2	21: 5	
7.900	7022.117	317.2	21: 9	
7.967	7022.973	317.2	21:13	
8.033	7022.545	317.2	21:17	
8.100	7020.406	317.2	21:21	
8.167	7022.117	317.2	21:25	
8.233	7021.261	317.2	21:29	
8.300	7022.117	317.2	21:33	
8.367	7022.973	317.2	21:37	
8.433	7022.545	317.2	21:41	
8.500	7022.545	317.2	21:45	
8.633	7022.545	317.2	21:53	
8.700	7022.117	317.2	21:57	
8.767	7022.545	317.2	22: 1	
8.833	7022.117	317.2	22: 5	
8.900	7022.545	317.2	22: 9	
8.967	7022.545	317.2	22:13	
9.033	7021.261	317.2	22:17	
9.100	7022.117	317.2	22:21	
9.167	7022.545	317.2	22:25	
9.233	7019.568	318.1	22:29	
9.300	7019.568	318.1	22:33	
9.367	7019.568	318.1	22:37	
9.433	7019.995	318.1	22:41	
9.500	7008.018	318.1	22:45	
9.567	7014.434	318.1	22:49	
9.633	7018.712	318.1	22:53	
9.700	7019.140	318.1	22:57	

END MAIN FLOW.

3/ 7/83

SPERRY-SUN INTERNATIONAL INC.  
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE: 8

ELF ADJITAINA NORGE A/S

OFFSHORE NORWAY  
29 FEBRUARY 1983  
NR-MS-30008(B)

1/3-3

DST NO.2, MRPG MK-3 NO.2109, 4,174.16 METRES(RKB), (MAIN BUILD UP)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
-0.050	7019.140	318.1	22:57	25/ 2/83 START MAIN BUILD UP.
0.017	7746.812	318.1	23: 1	
0.083	8502.443	318.1	23: 5	
0.150	8582.223	318.1	23: 9	
0.217	8621.151	317.2	23:13	
0.283	8640.888	317.2	23:17	
0.350	8652.474	317.2	23:21	
0.417	8659.769	317.2	23:25	
0.483	8667.392	316.3	23:29	
0.550	8671.684	316.3	23:33	
0.617	8673.401	316.3	23:37	
0.683	8675.118	316.3	23:41	
0.750	8680.275	315.5	23:45	
0.817	8683.280	315.5	23:49	
0.883	8684.139	315.5	23:53	
0.950	8685.856	315.5	23:57	
1.017	8687.573	315.5	0: 1	26/ 2/83
1.083	8687.144	315.5	0: 5	
1.150	8686.715	315.5	0: 9	
1.217	8685.427	315.5	0:13	
1.283	8685.756	314.6	0:17	
1.350	8681.033	314.6	0:21	
1.417	8674.592	314.6	0:25	
1.483	8676.310	314.6	0:29	
1.550	8676.310	314.6	0:33	
1.617	8675.451	314.6	0:37	
1.683	8674.163	314.6	0:41	
1.750	8672.875	314.6	0:45	
1.817	8691.768	314.6	0:49	
1.883	8698.638	314.6	0:53	
1.950	8701.214	314.6	0:57	
2.017	8698.968	313.7	1: 1	
2.083	8697.250	313.7	1: 5	
2.150	8691.667	313.7	1: 9	
2.217	8693.815	313.7	1:13	
2.283	8691.667	313.7	1:17	
2.350	8690.379	313.7	1:21	
2.417	8689.520	313.7	1:25	
2.483	8686.084	313.7	1:29	
2.550	8678.783	313.7	1:33	
2.617	8676.636	313.7	1:37	
2.683	8680.071	313.7	1:41	
2.750	8680.930	313.7	1:45	
2.817	8679.213	313.7	1:49	
2.883	8680.071	313.7	1:53	
2.950	8677.924	313.7	1:57	
3.017	8678.354	313.7	2: 1	
3.083	8683.078	313.7	2: 5	
3.150	8688.128	312.8	2: 9	
3.217	8687.269	312.8	2:13	

3/ 7/83

SPERRY-SUN INTERNATIONAL INC.  
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE: 9

ELF AQUITAINE NORGE A/S

OFFSHORE NORWAY  
28 FEBRUARY 1983  
NR-MS-30008(B)

1/3-3

DST NO.2, MRPB MK-3 NO.2109, 4,174.16 METRES(RKB), (MAIN BUILD UP)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
3.283	8684.692	312.8	2:17	26/ 2/83
3.350	8683.833	312.8	2:21	
3.417	8682.544	312.8	2:25	
3.483	8681.685	312.8	2:29	
3.550	8679.967	312.8	2:33	
3.617	8679.108	312.8	2:37	
3.683	8678.678	312.8	2:41	
3.750	8679.967	312.8	2:45	
3.817	8681.685	312.8	2:49	
3.883	8681.255	312.8	2:53	
3.950	8676.960	312.8	2:57	
4.017	8676.530	312.8	3: 1	
4.083	8675.241	312.8	3: 5	
4.150	8675.671	312.8	3: 9	
4.217	8676.960	312.8	3:13	
4.283	8676.530	312.8	3:17	
4.350	8676.960	312.8	3:21	
4.417	8676.530	312.8	3:25	
4.483	8675.241	312.8	3:29	
4.550	8674.812	312.8	3:33	
4.617	8674.812	312.8	3:37	
4.683	8672.664	312.8	3:41	
4.750	8669.657	312.8	3:45	
4.817	8668.369	312.8	3:49	
4.883	8669.657	312.8	3:53	
5.083	8668.798	312.8	4: 5	
5.150	8667.939	312.8	4: 9	
5.217	8670.087	312.8	4:13	
5.283	8671.376	312.8	4:17	
5.350	8671.376	312.8	4:21	
5.417	8667.510	312.8	4:25	
5.483	8667.939	312.8	4:29	
5.550	8665.791	312.8	4:33	
5.617	8665.791	312.8	4:37	
5.683	8665.791	312.8	4:41	
5.750	8666.221	312.8	4:45	
5.817	8666.221	312.8	4:49	
5.883	8666.221	312.8	4:53	
5.950	8666.221	312.8	4:57	
6.017	8671.805	312.8	5: 1	
6.150	8671.376	312.8	5: 9	
6.217	8671.805	312.8	5:13	
6.283	8670.946	312.8	5:17	
6.350	8669.228	312.8	5:21	
6.417	8670.087	312.8	5:25	
6.483	8674.812	312.8	5:29	
6.550	8674.382	312.8	5:33	
6.683	8670.516	312.8	5:41	
6.750	8672.235	312.8	5:45	
6.817	8672.235	312.8	5:49	

3/ 7/83

SPERRY-SUN INTERNATIONAL INC.  
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE: 10

ELF AQUITAINE NORGE A/S

OFFSHORE NORWAY  
28 FEBRUARY 1983  
NR-MS-30008(B)

1/3-3

DST NO.2, MRPG MK-3 NO.2109, 4,174.16 METRES(RKB), (MAIN BUILD UP)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
6.883	8673.523	312.8	5:53	26/ 2/83
6.950	8674.382	312.8	5:57	
7.017	8674.382	312.8	6: 1	
7.083	8673.523	312.8	6: 5	
7.150	8672.664	312.8	6: 9	
7.217	8673.523	312.8	6:13	
7.283	8672.664	312.8	6:17	
7.350	8671.805	312.8	6:21	
7.417	8671.376	312.8	6:25	
7.483	8671.376	312.8	6:29	
7.550	8670.516	312.8	6:33	
7.617	8670.087	312.8	6:37	
7.683	8670.087	312.8	6:41	
7.750	8670.516	312.8	6:45	
7.817	8668.798	312.8	6:49	
7.883	8668.798	312.8	6:53	
7.950	8668.798	312.8	6:57	
8.017	8668.798	312.8	7: 1	
8.083	8668.798	312.8	7: 5	
8.150	8669.228	312.8	7: 9	
8.217	8668.798	312.8	7:13	
8.283	8668.798	312.8	7:17	
8.350	8668.798	312.8	7:21	
8.417	8669.228	312.8	7:25	
8.483	8668.798	312.8	7:29	
8.550	8668.798	312.8	7:33	
8.617	8669.657	312.8	7:37	
8.683	8670.087	312.8	7:41	
8.750	8667.510	312.8	7:45	
8.817	8667.939	312.8	7:49	
8.883	8671.805	312.8	7:53	
8.950	8671.805	312.8	7:57	
9.017	8669.228	312.8	8: 1	
9.083	8668.798	312.8	8: 5	
9.150	8669.228	312.8	8: 9	
9.217	8669.228	312.8	8:13	
9.283	8668.369	312.8	8:17	
9.350	8668.369	312.8	8:21	
9.417	8668.798	312.8	8:25	
9.483	8668.798	312.8	8:29	
9.550	8667.939	312.8	8:33	
9.617	8667.510	312.8	8:37	
9.683	8667.080	312.8	8:41	
9.750	8667.510	312.8	8:45	
9.817	8667.510	312.8	8:49	
9.883	8667.939	312.8	8:53	
9.950	8667.510	312.8	8:57	
10.017	8667.510	312.8	9: 1	
10.083	8667.510	312.8	9: 5	
10.150	8667.939	312.8	9: 9	

ELF AQUITAINE NORGE A/S

OFFSHORE NORWAY  
28 FEBRUARY 1983  
NR-MS-30008(B)

1/3-3

DST NO.2, MRPG MK-3 NO.2109, 4,174.16 METRES(RKB), (MAIN BUILD UP)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
10.217	8667.510	312.8	9:13	26/ 2/83
10.417	8670.516	312.8	9:25	
10.483	8671.376	312.8	9:29	
10.550	8670.516	312.8	9:33	
10.617	8672.235	312.8	9:37	
10.683	8670.087	312.8	9:41	
10.750	8670.516	312.8	9:45	
10.817	8670.087	312.8	9:49	
10.883	8670.516	312.8	9:53	
10.950	8670.516	312.8	9:57	
11.017	8670.946	312.8	10: 1	
11.083	8671.376	312.8	10: 5	
11.150	8671.376	312.8	10: 9	
11.217	8671.805	312.8	10:13	
11.283	8671.376	312.8	10:17	
11.350	8670.946	312.8	10:21	
11.417	8671.376	312.8	10:25	
11.483	8670.946	312.8	10:29	
11.550	8671.376	312.8	10:33	
11.617	8671.805	312.8	10:37	
11.683	8672.235	312.8	10:41	
11.750	8671.805	312.8	10:45	
11.817	8671.376	312.8	10:49	
11.883	8670.516	312.8	10:53	
11.950	8670.516	312.8	10:57	
12.017	8670.087	312.8	11: 1	
12.083	8670.516	312.8	11: 5	
12.150	8670.516	312.8	11: 9	
12.217	8670.946	312.8	11:13	
12.283	8670.946	312.8	11:17	
12.350	8670.946	312.8	11:21	
12.417	8670.946	312.8	11:25	
12.483	8670.516	312.8	11:29	
12.550	8670.946	312.8	11:33	
12.617	8671.376	312.8	11:37	
12.683	8670.946	312.8	11:41	
12.750	8670.946	312.8	11:45	
12.817	8670.946	312.8	11:49	
12.883	8670.516	312.8	11:53	
12.950	8670.516	312.8	11:57	
13.017	8670.516	312.8	12: 1	
13.083	8679.537	312.8	12: 5	
13.150	8673.094	312.8	12: 9	
13.217	8672.664	312.8	12:13	
13.283	8671.805	312.8	12:17	
13.350	8671.376	312.8	12:21	
13.417	8671.805	312.8	12:25	
13.483	8671.805	312.8	12:29	
13.550	8671.805	312.8	12:33	
13.617	8672.235	312.8	12:37	



3/ 7/83

SPERRY-SUN INTERNATIONAL INC.  
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE: 12

ELF AQUITAINE NORGE A/S

OFFSHORE NORWAY  
28 FEBRUARY 1983  
NR-MS-30008(B)

1/3-3

DST NO.2, MRPG MK-3 NO.2109, 4,174.16 METRES(RKB), (MAIN BUILD UP)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME
13.683	8671.805	312.8	12:41
13.750	8671.376	312.8	12:45
13.817	8670.087	312.8	12:49
13.883	8668.798	312.8	12:53
13.950	8668.369	312.8	12:57
14.017	8670.946	312.8	13: 1
14.083	8671.376	312.8	13: 5
14.150	8671.805	312.8	13: 9
14.217	8671.805	312.8	13:13
14.283	8671.805	312.8	13:17
14.350	8671.376	312.8	13:21
14.417	8671.376	312.8	13:25
14.483	8671.376	312.8	13:29
14.550	8671.805	312.8	13:33
14.617	8671.376	312.8	13:37
14.683	8671.805	312.8	13:41
14.750	8671.805	312.8	13:45
14.817	8672.235	312.8	13:49
14.883	8672.664	312.8	13:53
14.950	8673.523	312.8	13:57
15.017	8673.523	312.8	14: 1
15.083	8674.382	312.8	14: 5
15.150	8674.382	312.8	14: 9
15.217	8675.671	312.8	14:13
15.283	8675.241	312.8	14:17
15.350	8675.671	312.8	14:21
15.417	7505.484	312.8	14:25
15.483	8501.298	312.8	14:29
15.550	8638.844	313.7	14:33
15.617	8660.746	313.7	14:37
15.683	8666.758	313.7	14:41
15.750	8668.905	313.7	14:45
15.817	8667.617	313.7	14:49
15.883	8666.758	313.7	14:53
15.950	8668.905	313.7	14:57
16.083	8674.382	312.8	15: 5
16.150	8675.671	312.8	15: 9
16.217	8676.530	312.8	15:13
16.283	8677.389	312.8	15:17
16.350	8679.537	312.8	15:21
16.417	8722.065	312.8	15:25
16.483	8732.375	312.8	15:29
16.550	8734.953	312.8	15:33
16.617	8735.382	312.8	15:37
16.683	8736.242	312.8	15:41
16.750	8736.242	312.8	15:45
16.817	8736.242	312.8	15:49
16.883	8736.242	312.8	15:53
16.950	8736.671	312.8	15:57
17.017	8736.242	312.8	16: 1

26/ 2/83

BLEED OFF TUBING TO FLARE.  
RE-CLOSE CHOKE.

BLEED OFF TUBING.

3/ 7/83

SPERRY-SUN INTERNATIONAL INC.  
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE: 13

ELF AQUITAINE NORGE A/S

OFFSHORE NORWAY

28 FEBRUARY 1983

1/3-3

NR-MS-30008(B)

DST NO.2, MRPG MK-3 NO.2109, 4,174.16 METRES(RKB), (MAIN BUILD UP)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
17.083	8738.831	312.0	16: 5	26/ 2/83
17.150	8738.831	312.0	16: 9	
17.217	8738.831	312.0	16:13	
17.283	8738.831	312.0	16:17	
17.350	8738.831	312.0	16:21	
17.417	8738.831	312.0	16:25	
17.483	8738.401	312.0	16:29	
17.550	8738.831	312.0	16:33	
17.617	8738.401	312.0	16:37	
17.683	8738.401	312.0	16:41	
17.750	8738.401	312.0	16:45	
17.817	8738.401	312.0	16:49	
17.883	8737.972	312.0	16:53	
17.950	8737.972	312.0	16:57	
18.017	8737.972	312.0	17: 1	
18.083	8737.972	312.0	17: 5	
18.150	8737.972	312.0	17: 9	
18.217	8737.972	312.0	17:13	
18.283	8737.972	312.0	17:17	
18.350	8737.542	312.0	17:21	
18.417	8737.542	312.0	17:25	
18.483	8737.542	312.0	17:29	
18.550	8737.542	312.0	17:33	
18.617	8740.454	311.1	17:37	
18.683	8740.454	311.1	17:41	
18.750	8740.454	311.1	17:45	
18.817	8740.454	311.1	17:49	
18.883	8740.454	311.1	17:53	
18.950	8740.454	311.1	17:57	
19.017	8740.454	311.1	18: 1	
19.083	8740.454	311.1	18: 5	
19.150	8740.454	311.1	18: 9	
19.217	8740.024	311.1	18:13	
19.283	8740.024	311.1	18:17	
19.350	8740.024	311.1	18:21	
19.417	8740.024	311.1	18:25	
19.483	8740.024	311.1	18:29	
19.550	8740.024	311.1	18:33	
19.617	8740.024	311.1	18:37	
19.683	8740.024	311.1	18:41	
19.750	8740.024	311.1	18:45	
19.817	8740.454	311.1	18:49	
19.883	8740.024	311.1	18:53	
19.950	8739.594	311.1	18:57	
20.017	8740.024	311.1	19: 1	
20.083	8739.594	311.1	19: 5	
20.150	8740.024	311.1	19: 9	
20.217	8740.024	311.1	19:13	
20.283	8739.594	311.1	19:17	
20.350	8739.594	311.1	19:21	

ELF AQUITAINE NORGE A/S

OFFSHORE NORWAY  
28 FEBRUARY 1983  
NR-MS-30008(B)

1/3-3

DST NO.2; MRPG MK-3 NO.2109; 4.174.16 METRES(RKB); (MAIN BUILD UP)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
20.417	8739.594	311.1	19:25	26/ 2/83
20.483	8739.594	311.1	19:29	
20.550	8739.594	311.1	19:33	
20.617	8739.594	311.1	19:37	
20.683	8739.594	311.1	19:41	
20.750	8739.594	311.1	19:45	
20.817	8739.594	311.1	19:49	
20.883	8739.594	311.1	19:53	
20.950	8739.165	311.1	19:57	
21.017	8739.594	311.1	20: 1	
21.083	8739.594	311.1	20: 5	
21.150	8739.594	311.1	20: 9	
21.217	8739.165	311.1	20:13	
21.283	8739.165	311.1	20:17	
21.350	8739.594	311.1	20:21	
21.417	8739.165	311.1	20:25	
21.483	8739.165	311.1	20:29	
21.550	8739.165	311.1	20:33	
21.617	8739.165	311.1	20:37	
21.683	8739.165	311.1	20:41	
21.750	8739.165	311.1	20:45	
21.817	8739.165	311.1	20:49	
21.883	8738.735	311.1	20:53	
21.950	8739.165	311.1	20:57	
22.017	8739.165	311.1	21: 1	
22.083	8739.165	311.1	21: 5	
22.150	8739.165	311.1	21: 9	
22.217	8739.165	311.1	21:13	
22.283	8739.165	311.1	21:17	
22.350	8739.165	311.1	21:21	
22.417	8739.165	311.1	21:25	
22.483	8739.165	311.1	21:29	
22.550	8739.165	311.1	21:33	
22.617	8739.165	311.1	21:37	
22.683	8739.594	311.1	21:41	
22.750	8739.594	311.1	21:45	
22.950	8739.165	311.1	21:57	
23.017	8739.165	311.1	22: 1	
23.083	8739.165	311.1	22: 5	
23.283	8739.165	311.1	22:17	
23.350	8742.506	310.2	22:21	
23.417	8739.165	311.1	22:25	
23.483	8739.165	311.1	22:29	
23.550	8742.076	310.2	22:33	
23.617	8742.076	310.2	22:37	
23.683	8742.076	310.2	22:41	
23.750	8742.076	310.2	22:45	
23.817	8742.076	310.2	22:49	
23.883	8742.076	310.2	22:53	
23.950	8742.076	310.2	22:57	

3/ 7/83

SPERRY-SUN INTERNATIONAL INC.  
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE: 15

ELF AQUITAINE NORGE A/S

OFFSHORE NORWAY  
29 FEBRUARY 1983  
NR-MS-30008(B)

1/3-3

DST NO.2, MRPG MK-3 NO.2109, 4,174.16 METRES(RKB), (MAIN BUILD UP)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
24.083	8742.076	310.2	23: 5	26/ 2/83
24.217	8742.076	310.2	23:13	
24.283	8742.076	310.2	23:17	
24.350	8742.076	310.2	23:21	
24.417	8742.076	310.2	23:25	
24.483	8742.076	310.2	23:29	
24.550	8742.506	310.2	23:33	
24.617	8742.506	310.2	23:37	
24.683	8742.506	310.2	23:41	
24.750	8742.076	310.2	23:45	
26.283	8742.506	310.2	1:17	27/ 2/83
26.350	8742.506	310.2	1:21	
26.550	8742.506	310.2	1:33	
26.683	8742.506	310.2	1:41	
26.750	8742.506	310.2	1:45	
26.883	8742.506	310.2	1:53	
27.017	8742.506	310.2	2: 1	
27.083	8742.506	310.2	2: 5	
27.150	8742.506	310.2	2: 9	
27.217	8742.506	310.2	2:13	
27.283	8742.506	310.2	2:17	
27.350	8742.506	310.2	2:21	
27.417	8742.506	310.2	2:25	
27.483	8742.506	310.2	2:29	
27.550	8742.506	310.2	2:33	
27.617	8742.506	310.2	2:37	
27.683	8742.506	310.2	2:41	
27.750	8742.506	310.2	2:45	
29.083	8742.506	310.2	4: 5	
29.150	8742.506	310.2	4: 9	
29.217	8742.506	310.2	4:13	
29.283	8742.506	310.2	4:17	
29.683	8742.506	310.2	4:41	
29.750	8742.506	310.2	4:45	
30.550	8742.506	310.2	5:33	
30.617	8742.506	310.2	5:37	
31.217	8759.271	310.2	6:13	
31.417	8740.454	311.1	6:25	
31.483	8740.884	311.1	6:29	
31.550	8741.314	311.1	6:33	
31.617	8741.314	311.1	6:37	
31.683	8741.743	311.1	6:41	
31.750	8741.743	311.1	6:45	
31.817	8740.884	311.1	6:49	
31.883	8741.314	311.1	6:53	
31.950	8741.314	311.1	6:57	
32.017	8743.795	310.2	7: 1	
32.083	8743.366	310.2	7: 5	
32.150	8743.366	310.2	7: 9	
32.217	8742.936	310.2	7:13	

37 7/83

SPERRY-SUN INTERNATIONAL INC.  
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE: 16

ELF ADUITAINE NORGE A/S

OFFSHORE NORWAY  
28 FEBRUARY 1983  
NR-MS-30008(B)

1/3-3

DST NO.2, MRPB MK-3 NO.2109, 4,174.16 METRES(RKB), (MAIN BUILD UP)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
32.283	9303.328	310.2	7:17	27/ 2/83 UNSEAT PACKER.
32.350	9307.200	310.2	7:21	
32.417	9305.479	310.2	7:25	
32.483	9297.734	310.2	7:29	
32.550	9332.588	310.2	7:33	START REVERSE CIRCULATING.



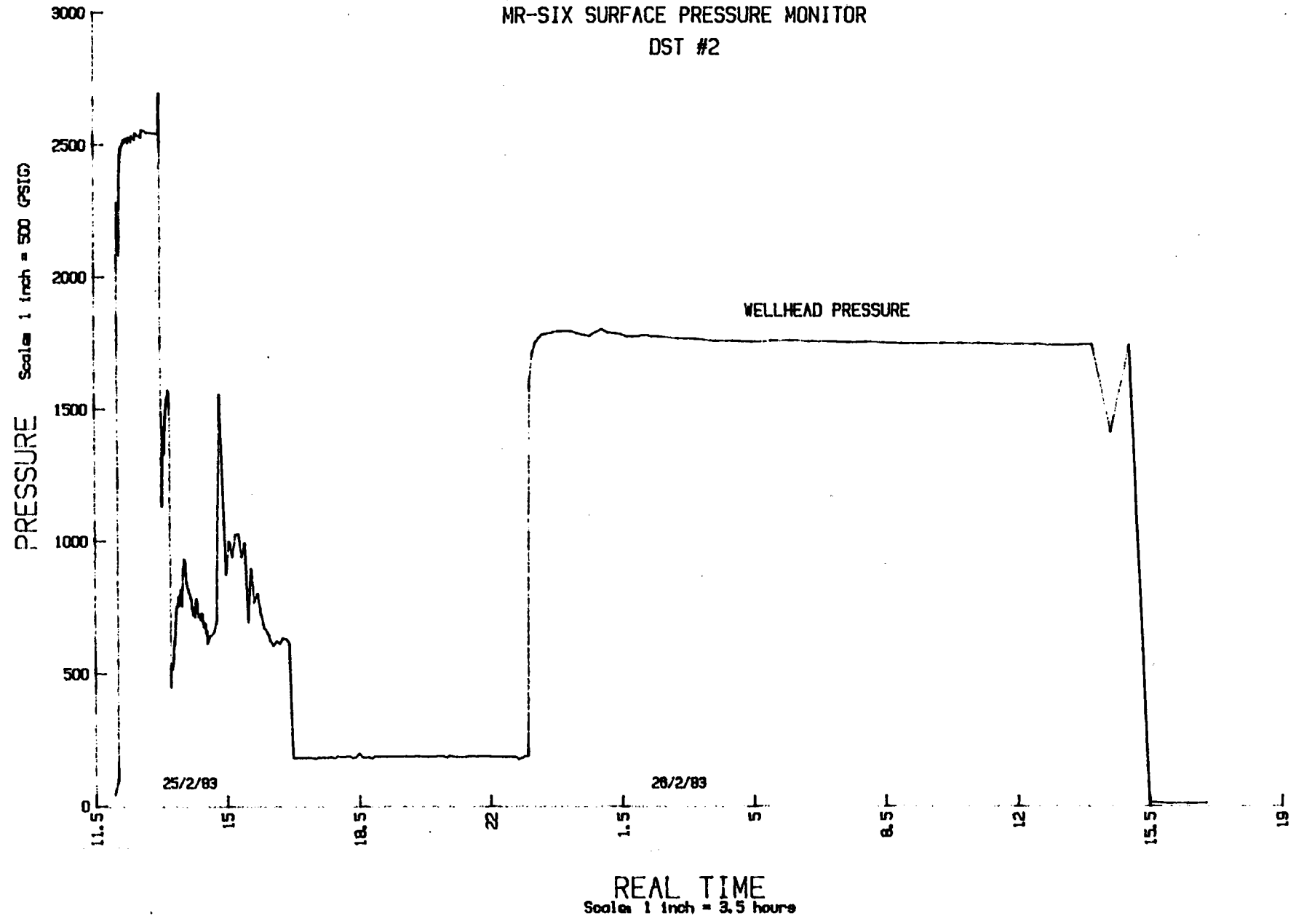
ELF AQUITAINE NORGE A/S  
1/3-3  
WILDCAT  
OFFSHORE NORWAY

# NL Sperry-Sun, Inc.

## PRESSURE/TEMP. Vs TIME PLOT

MR-SIX SURFACE PRESSURE MONITOR  
DST #2

26 FEBRUARY 1983  
NR-XS-30009 (B)  
212198  
D6102A

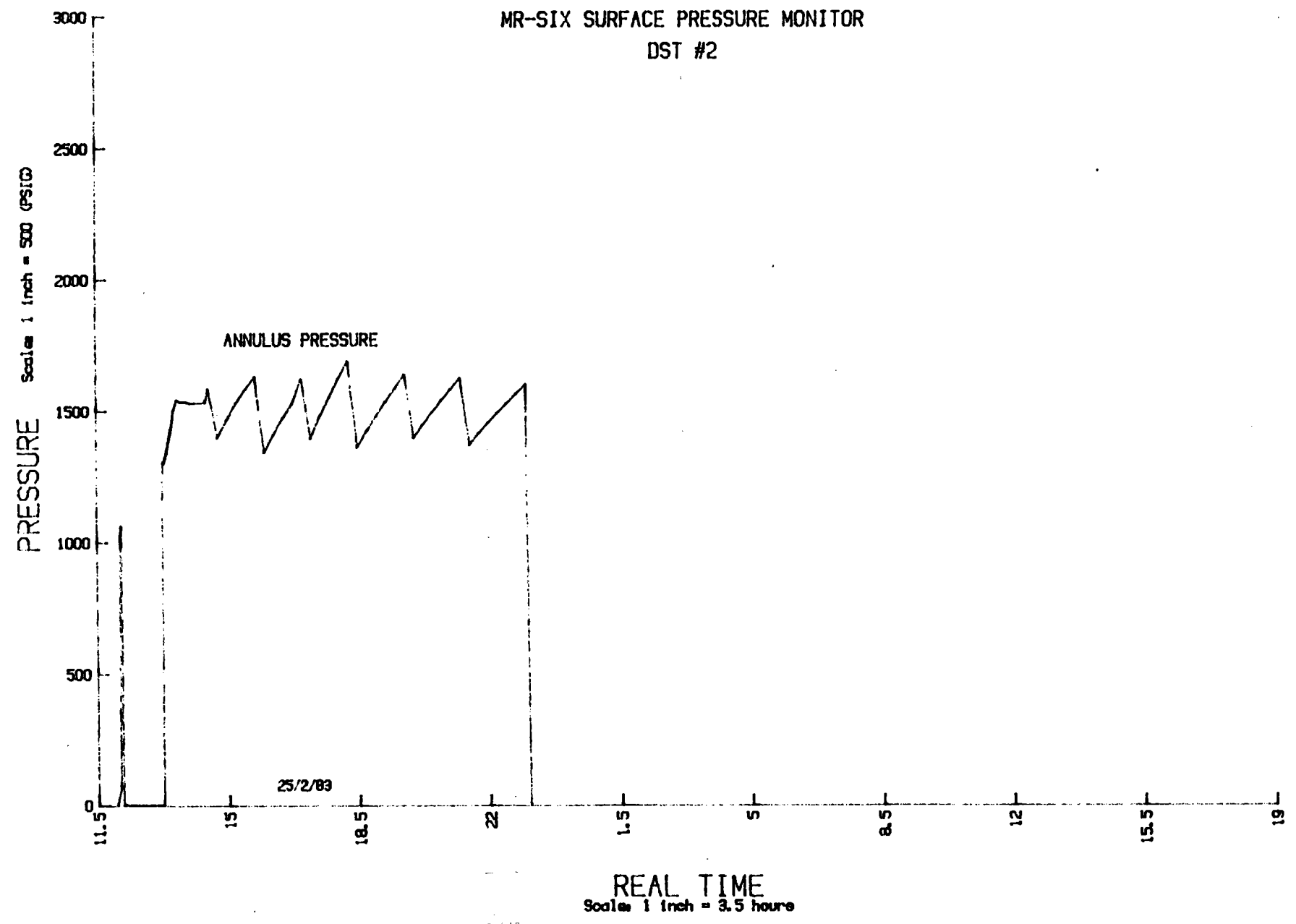




ELF AQUITAINE NORGE A/S  
1/3-3  
WILDCAT  
OFFSHORE NORWAY

NL Sperry-Sun, Inc.  
PRESSURE/TEMP. Vs TIME PLOT  
MR-SIX SURFACE PRESSURE MONITOR  
DST #2

26 FEBRUARY 1983  
NR-XS-30009 (B)  
211534  
D8402A



3/ 3/83

SPERRY-SUN INTERNATIONAL INC.  
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE: 1

ELF AQUITAINE NBPGE A/S

OFFSHORE NORWAY  
25 FEBRUARY 1983  
NR-XS-30009(B)

1/3-3

DST NO.2: MR-SIX SURFACE PRESSURE MONITOR, UPSTREAM CHOKE MANIFOLD.

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
-0.083	42.	42.3	12: 0	25/ 2/83
0.017	99.	41.5	12: 6	OPEN APR, INITIAL FLOW.
0.021	1208.	41.7	12: 6	
0.025	1794.	41.7	12: 6	
0.029	2059.	41.7	12: 6	
0.033	2201.	41.6	12: 7	
0.038	2280.	41.6	12: 7	
0.042	2208.	41.7	12: 7	
0.046	2153.	41.6	12: 7	
0.050	2130.	41.6	12: 8	
0.054	2118.	41.4	12: 8	
0.058	2113.	41.6	12: 8	
0.062	2109.	41.4	12: 8	
0.067	2110.	41.6	12: 9	
0.071	2112.	41.6	12: 9	
0.075	2114.	41.6	12: 9	
0.079	2110.	41.4	12: 9	END INITIAL FLOW.



3/ 3/83

SPERRY-SUN INTERNATIONAL INC.  
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE: 2

ELF ADUITAINE NORGE A/S

OFFSHORE NORWAY  
25 FEBRUARY 1983  
NR-XS-30009(B)

1/3-3

DST NO.2. MR-SIX SURFACE PRESSURE MONITOR, UPSTREAM CHOKE MANIFOLD.

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME
-0.017	2110.	41.6	12: 9
-0.012	2112.	41.6	12: 9
-0.008	2114.	41.6	12: 9
-0.004	2110.	41.4	12: 9
0.000	2088.	41.5	12:10
0.004	2085.	41.6	12:10
0.008	2085.	41.6	12:10
0.012	2083.	41.6	12:10
0.017	2157.	41.6	12:11
0.021	2275.	41.6	12:11
0.025	2338.	41.5	12:11
0.029	2384.	41.4	12:11
0.033	2415.	41.5	12:12
0.038	2436.	41.5	12:12
0.042	2451.	41.2	12:12
0.046	2463.	41.4	12:12
0.050	2468.	41.3	12:13
0.054	2462.	41.1	12:13
0.058	2478.	40.6	12:13
0.062	2487.	40.8	12:13
0.067	2480.	40.8	12:14
0.071	2477.	40.6	12:14
0.075	2494.	40.7	12:14
0.079	2491.	40.7	12:14
0.083	2490.	40.7	12:15
0.100	2496.	40.7	12:16
0.117	2506.	40.7	12:17
0.133	2518.	40.5	12:18
0.150	2509.	40.7	12:19
0.167	2520.	40.8	12:20
0.183	2512.	40.6	12:21
0.200	2524.	40.9	12:22
0.217	2518.	40.8	12:23
0.233	2513.	40.6	12:24
0.250	2508.	41.6	12:25
0.267	2529.	41.9	12:26
0.283	2523.	42.0	12:27
0.300	2518.	42.4	12:28
0.317	2515.	43.3	12:29
0.333	2511.	42.4	12:30
0.350	2533.	42.2	12:31
0.367	2527.	41.9	12:32
0.383	2528.	41.6	12:33
0.400	2524.	41.5	12:34
0.417	2523.	41.4	12:35
0.433	2520.	41.4	12:36
0.450	2543.	41.6	12:37
0.467	2541.	41.5	12:38
0.483	2538.	41.5	12:39
0.500	2536.	41.5	12:40

25/ 2/83

CLOSE APR,  
INITIAL BUILD UP.

3/ 3/83

SPERRY-SUN INTERNATIONAL INC.  
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE: 3

ELF AQUITAINE NORGE A/S

OFFSHORE NORWAY  
25 FEBRUARY 1983  
NR-XS-30009(B)

1/3-3

DST NO. 2: NR-SIX SURFACE PRESSURE MONITOR, UPSTREAM CHOKE MANIFOLD.

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
0.517	2534.	41.3	12:41	25/ 2/83
0.533	2534.	41.6	12:42	
0.550	2533.	41.7	12:43	
0.567	2533.	42.1	12:44	
0.583	2529.	42.2	12:45	
0.600	2528.	42.3	12:46	
0.617	2555.	42.3	12:47	
0.633	2554.	42.8	12:48	
0.650	2553.	42.6	12:49	
0.667	2553.	42.4	12:50	
0.750	2547.	43.1	12:55	
0.833	2546.	42.5	13: 0	
0.917	2544.	42.9	13: 5	
1.000	2543.	43.1	13:10	
1.067	2540.	43.6	13:14	
1.071	2541.	43.2	13:14	
1.075	2540.	43.1	13:14	
1.079	2543.	43.0	13:14	
1.083	2540.	43.5	13:15	

END INITIAL BUILD UP.

3/ 3/83

SPERRY-SUN INTERNATIONAL INC.  
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE: 4

ELF AQUITAINE NORGE A/S

OFFSHORE NORWAY  
25 FEBRUARY 1983  
NR-XS-30009(B)

1/3-3

DST NO.2, MR-SIX SURFACE PRESSURE MONITOR, UPSTREAM CHOKE MANIFOLD.

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
0.000	2540.	43.5	13:15	25/ 2/83 OPEN APR, MAIN FLOW.
0.004	2581.	43.5	13:15	16/64" ADJUSTABLE CHOKE.
0.008	2634.	43.5	13:15	
0.012	2666.	43.4	13:15	
0.017	2692.	43.9	13:16	
0.021	2679.	43.3	13:16	
0.025	2521.	43.6	13:16	
0.029	1761.	43.2	13:16	
0.033	1483.	43.5	13:17	
0.038	1317.	43.8	13:17	
0.042	1215.	43.6	13:17	
0.046	1160.	43.4	13:17	
0.050	1136.	43.2	13:18	
0.054	1133.	43.3	13:18	
0.058	1145.	43.4	13:18	
0.062	1159.	43.7	13:18	
0.067	1300.	43.9	13:19	
0.071	1430.	43.4	13:19	
0.075	1427.	43.1	13:19	
0.079	1425.	43.1	13:19	
0.083	1387.	43.2	13:20	
0.087	1375.	43.5	13:20	
0.092	1353.	43.8	13:20	
0.096	1345.	43.6	13:20	
0.100	1330.	43.5	13:21	
0.104	1337.	44.2	13:21	
0.108	1333.	43.9	13:21	
0.113	1337.	43.7	13:21	
0.117	1333.	44.1	13:22	
0.121	1360.	43.6	13:22	
0.125	1378.	45.9	13:22	
0.129	1398.	45.9	13:22	
0.133	1420.	45.0	13:23	
0.137	1435.	43.7	13:23	
0.142	1443.	43.4	13:23	
0.146	1461.	43.4	13:23	
0.150	1476.	43.5	13:24	
0.154	1466.	43.2	13:24	
0.158	1475.	43.4	13:24	
0.163	1496.	43.6	13:24	
0.167	1505.	43.6	13:25	
0.171	1517.	43.7	13:25	
0.175	1516.	43.7	13:25	
0.179	1522.	43.4	13:25	
0.183	1528.	43.7	13:26	
0.187	1540.	43.6	13:26	
0.192	1541.	43.7	13:26	
0.196	1530.	43.7	13:26	
0.200	1523.	43.7	13:27	
0.204	1521.	43.5	13:27	

3/ 3/83

SPERRY-SUN INTERNATIONAL INC.  
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE: 5

ELF AQUITAINE NORGE A/S

OFFSHORE NORWAY  
25 FEBRUARY 1983  
NR-XS-30009(B)

1/3-3

DST NO.2: MP-SIX SURFACE PRESSURE MONITOR, UPSTREAM CHOKE MANIFOLD.

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME
0.208	1526.	43.6	13:27
0.212	1516.	43.5	13:27
0.217	1555.	43.6	13:28
0.221	1566.	43.4	13:28
0.225	1571.	43.4	13:28
0.229	1566.	43.6	13:28
0.233	1560.	43.7	13:29
0.238	1546.	43.8	13:29
0.242	1534.	44.0	13:29
0.246	1531.	43.9	13:29
0.250	1527.	43.8	13:30
0.267	1448.	43.5	13:31
0.283	829.	43.6	13:32
0.300	824.	43.7	13:33
0.317	820.	43.8	13:34
0.333	828.	43.6	13:35
0.350	861.	43.4	13:36
0.367	822.	43.9	13:37
0.383	612.	43.8	13:38
0.400	683.	43.8	13:39
0.417	718.	43.9	13:40
0.433	746.	44.2	13:41
0.450	756.	43.9	13:42
0.467	752.	44.5	13:43
0.483	791.	44.3	13:44
0.500	764.	44.5	13:45
0.517	758.	46.3	13:46
0.533	794.	44.8	13:47
0.550	817.	44.7	13:48
0.567	802.	44.8	13:49
0.583	756.	45.2	13:50
0.600	871.	45.0	13:51
0.617	894.	45.0	13:52
0.633	931.	46.7	13:53
0.650	923.	47.0	13:54
0.667	918.	45.2	13:55
0.683	849.	46.1	13:56
0.700	843.	45.8	13:57
0.717	826.	45.4	13:58
0.733	823.	45.1	13:59
0.750	811.	45.3	14: 0
0.767	804.	45.2	14: 1
0.783	800.	44.8	14: 2
0.800	788.	44.9	14: 3
0.817	782.	45.0	14: 4
0.833	746.	45.5	14: 5
0.850	753.	45.2	14: 6
0.867	722.	45.0	14: 7
0.883	747.	45.1	14: 8
0.900	748.	45.1	14: 9

CHANGE TO 24/64"  
ADJUSTABLE CHOKE.

ELF AQUITAINE NORGE A/S

OFFSHORE NORWAY  
25 FEBRUARY 1983  
NR-XS-30009(B)

1/3-3

DST NO. 2, MR-6IX SURFACE PRESSURE MONITOR, UPSTREAM CHOKE MANIFOLD.

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
0.917	717.	45.3	14:10	25/ 2/83
0.933	714.	45.4	14:11	
0.950	765.	45.4	14:12	
0.967	781.	46.1	14:13	
0.983	771.	45.9	14:14	
1.000	730.	45.8	14:15	
1.017	716.	45.7	14:16	
1.033	715.	45.5	14:17	
1.050	721.	45.5	14:18	
1.067	712.	45.6	14:19	
1.083	703.	46.9	14:20	
1.100	727.	46.6	14:21	
1.117	722.	46.4	14:22	
1.133	699.	46.0	14:23	
1.150	677.	45.8	14:24	
1.167	675.	46.1	14:25	
1.183	690.	46.0	14:26	
1.200	686.	46.0	14:27	
1.217	652.	46.1	14:28	
1.233	661.	47.0	14:29	
1.250	614.	47.3	14:30	
1.317	640.	46.5	14:34	
1.417	652.	48.8	14:40	
1.500	694.	53.7	14:45	
1.583	1557.	46.9	14:50	
1.667	1215.	46.6	14:55	
1.750	872.	46.9	15: 0	
1.833	997.	49.7	15: 5	
1.917	942.	50.3	15:10	
2.000	1024.	47.4	15:15	
2.083	1026.	53.7	15:20	
2.167	942.	50.0	15:25	
2.250	992.	47.7	15:30	
2.333	694.	47.6	15:35	
2.417	897.	56.1	15:40	
2.500	771.	48.6	15:45	
2.583	801.	46.8	15:50	
2.667	727.	46.5	15:55	
2.750	673.	46.1	16: 0	
2.833	657.	46.4	16: 5	
2.917	624.	46.1	16:10	
3.000	607.	46.3	16:15	
3.083	621.	46.4	16:20	
3.167	614.	46.7	16:25	
3.250	632.	44.8	16:30	
3.333	630.	45.7	16:35	
3.417	614.	48.4	16:40	
3.500	183.	48.3	16:45	
3.583	182.	49.6	16:50	
3.667	183.	48.6	16:55	

OPEN ADJUSTABLE CHOKE  
TO CLEAR BLOCKAGE.  
RESET TO 24/64".

CHANGE TO 24/64"  
FIXED CHOKE.

3/ 3/83

SPERRY-SUN INTERNATIONAL INC.  
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE: 7

ELF ADUITAINE NORGE A/S

OFFSHORE NORWAY  
25 FEBRUARY 1983  
NR-XS-30009(B)

1/3-3

DST NO.2; MP-BIX SURFACE PRESSURE MONITOR; UPSTREAM CHOKE MANIFOLD.

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
3.750	182.	48.4	17: 0	25/ 2/83
3.833	183.	48.9	17: 5	
3.917	184.	49.3	17:10	
4.000	182.	48.3	17:15	
4.083	179.	47.4	17:20	
4.167	182.	48.5	17:25	
4.250	182.	47.8	17:30	
4.333	182.	47.1	17:35	
4.417	183.	47.3	17:40	
4.500	185.	47.3	17:45	
4.583	182.	48.0	17:50	
4.667	187.	47.5	17:55	
4.750	185.	47.5	18: 0	
4.833	185.	47.9	18: 5	
4.917	187.	47.5	18:10	
5.000	186.	46.8	18:15	
5.083	182.	46.6	18:20	
5.167	185.	46.1	18:25	
5.250	197.	46.7	18:30	
5.333	187.	46.6	18:35	
5.417	184.	45.9	18:40	
5.500	186.	46.6	18:45	
5.583	181.	46.1	18:50	
5.667	186.	45.9	18:55	
5.750	187.	45.7	19: 0	
5.833	187.	45.5	19: 5	
5.917	187.	45.8	19:10	
6.000	186.	45.7	19:15	
6.083	187.	45.5	19:20	
6.167	187.	45.7	19:25	
6.250	187.	45.8	19:30	
6.333	188.	45.2	19:35	
6.417	187.	45.3	19:40	
6.500	188.	44.8	19:45	
6.583	186.	44.9	19:50	
6.667	187.	44.7	19:55	
6.750	188.	44.9	20: 0	
6.833	187.	44.5	20: 5	
6.917	187.	44.7	20:10	
7.000	186.	45.0	20:15	
7.083	186.	45.0	20:20	
7.167	187.	45.0	20:25	
7.250	187.	44.9	20:30	
7.333	188.	45.0	20:35	
7.417	188.	44.6	20:40	
7.500	187.	44.7	20:45	
7.583	184.	44.7	20:50	
7.667	189.	44.8	20:55	
7.750	187.	44.3	21: 0	
7.833	186.	45.0	21: 5	

3/ 3/83

SPERRY-SUN INTERNATIONAL INC.  
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE: 8

ELF AQUITAINE NORGE A/S

OFFSHORE NORWAY  
25 FEBRUARY 1983  
NR-XS-30009(B)

1/3-3

DST NO.2: MR-SIX SURFACE PRESSURE MONITOR, UPSTREAM CHOKE MANIFOLD.

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
7.917	187.	44.4	21:10	25/ 2/83
8.000	187.	44.6	21:15	
8.083	186.	44.1	21:20	
8.167	188.	43.3	21:25	
8.250	187.	43.4	21:30	
8.333	187.	43.2	21:35	
8.417	187.	43.9	21:40	
8.500	187.	43.7	21:45	
8.583	187.	43.7	21:50	
8.667	187.	43.7	21:55	
8.750	187.	43.7	22: 0	
8.833	186.	43.0	22: 5	
8.917	187.	42.7	22:10	
9.000	187.	42.4	22:15	
9.083	187.	42.4	22:20	
9.167	187.	42.4	22:25	
9.250	186.	42.7	22:30	
9.333	186.	42.8	22:35	
9.417	187.	42.8	22:40	
9.500	177.	42.3	22:45	
9.583	181.	42.3	22:50	
9.667	187.	41.8	22:55	
9.750	189.	42.1	23: 0	

CLOSE APR,  
MAIN BUILD UP.

3/ 3/83

SPERRY-SUN INTERNATIONAL INC.  
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE: 9

ELF AQUITAINE NORGE A/S

OFFSHORE NORWAY  
25 FEBRUARY 1983  
NR-XS-30009(B)

1/3-3

DST NO.2; MR-SIX SURFACE PRESSURE MONITOR; UPSTREAM CHOKE MANIFOLD.

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME
---------------------	----------------------------	----------------	------

0.000	189.	42.1	23: 0
0.083	1590.	45.4	23: 5
0.167	1709.	44.0	23:10
0.250	1750.	43.6	23:15
0.333	1766.	43.2	23:20
0.417	1778.	43.0	23:25
0.500	1782.	42.8	23:30
0.667	1787.	42.5	23:40
0.833	1793.	42.3	23:50
1.000	1794.	42.0	0: 0
1.167	1793.	41.6	0:10
1.333	1786.	41.3	0:20
1.500	1779.	40.8	0:30
1.667	1775.	40.8	0:40
1.833	1788.	40.6	0:50
2.000	1800.	40.5	1: 0
2.167	1798.	40.5	1:10
2.333	1785.	40.4	1:20
2.500	1782.	40.3	1:30
2.667	1773.	40.3	1:40
2.833	1773.	40.4	1:50
3.000	1775.	40.3	2: 0
3.167	1778.	40.4	2:10
3.333	1773.	40.2	2:20
3.500	1772.	40.3	2:30
4.000	1765.	40.0	3: 0
4.500	1763.	40.1	3:30
5.000	1755.	40.2	4: 0
5.500	1755.	40.7	4:30
6.000	1752.	40.6	5: 0
6.500	1758.	40.3	5:30
7.000	1757.	40.4	6: 0
7.500	1754.	40.5	6:30
8.000	1753.	40.2	7: 0
8.500	1750.	39.6	7:30
9.000	1753.	39.6	8: 0
9.500	1748.	39.7	8:30
10.000	1746.	39.7	9: 0
10.500	1748.	39.4	9:30
11.000	1748.	39.9	10: 0
11.500	1747.	39.7	10:30
12.000	1746.	40.3	11: 0
12.500	1744.	40.4	11:30
13.000	1744.	40.8	12: 0
13.500	1745.	40.9	12:30
14.000	1740.	41.4	13: 0
14.500	1742.	41.7	13:30
15.000	1744.	41.0	14: 0
15.500	1413.	44.8	14:30
16.000	1739.	41.3	15: 0

25/ 2/83 CLOSE APR & CHOKE.

26/ 2/83

BLEED OFF STRING.  
CLDSE CHOKE MANIFOLD.



3/ 3/83

SPERRY-SUN INTERNATIONAL INC.  
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE: 10

ELF ADUITAINE NORGE A/S

OFFSHORE NORWAY  
25 FEBRUARY 1983  
NR-XS-30009(B)

1/3-3

DST NO.2, MR-SIX SURFACE PRESSURE MONITOR, UPSTREAM CHOKE MANIFOLD.

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
16.500	13.	58.9	15:30	26/ 2/83 BLEED OFF STRING.
17.000	9.	41.2	16: 0	
17.500	9.	40.5	16:30	
18.000	11.	40.5	17: 0	END OF DATA.

3/ 3/83

SPERRY-SUN INTERNATIONAL INC.  
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE: 1

ELF AQUITAINE NORGE A/S

OFFSHORE NORWAY  
25 FEBRUARY 1983  
NR-XS-30009(B)

1/3-3

DST NO.2, MR-SIX SURFACE PRESSURE MONITOR, ANNULUS PRESSURE.

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME
0.000	2.		12: 0 18/ 2/83
0.100	68.		12: 6
0.117	993.		12: 7
0.133	1043.		12: 8
0.150	1061.		12: 9

OPEN APR, INITIAL FLOW.  
(NOTE: MR-SIX TUBING  
PLUGGED WITH MUD)  
END INITIAL FLOW.

3/ 3/83

SPERRY-SUN INTERNATIONAL INC.  
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE: 2

ELF AQUITAINE NORGE A/S

OFFSHORE NORWAY  
25 FEBRUARY 1983  
NR-XS-30009(B)

1/3-3

DST NO.2, MR-SIX SURFACE PRESSURE MONITOR, ANNULUS PRESSURE.

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
0.000	4.		12:10	25/ 2/83 INITIAL BUILD UP.
0.017	4.		12:11	
0.033	4.		12:12	
0.050	4.		12:13	
0.067	4.		12:14	
0.083	4.		12:15	
0.167	2.		12:20	
0.250	2.		12:25	
0.333	2.		12:30	
0.417	2.		12:35	
0.500	2.		12:40	
0.583	2.		12:45	
0.667	2.		12:50	
0.750	2.		12:55	
0.833	2.		13: 0	
0.917	2.		13: 5	
1.000	2.		13:10	
1.083	2.		13:15	END BUILD UP.

3/ 3/83

SPERRY-SUN INTERNATIONAL INC.  
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE: 3

ELF AQUITAINE NORGE A/S

OFFSHORE NORWAY  
25 FEBRUARY 1983  
NR-XS-30009(B)

1/3-3

DST NO.2, MR-SIX SURFACE PRESSURE MONITOR, ANNULUS PRESSURE.

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME
0.000	2.		13:15
0.017	1305.		13:16
0.033	1306.		13:17
0.050	1302.		13:18
0.067	1309.		13:19
0.083	1317.		13:20
0.100	1325.		13:21
0.117	1335.		13:22
0.133	1347.		13:23
0.150	1359.		13:24
0.167	1371.		13:25
0.183	1383.		13:26
0.200	1394.		13:27
0.217	1406.		13:28
0.233	1417.		13:29
0.250	1430.		13:30
0.333	1504.		13:35
0.417	1543.		13:40
0.500	1537.		13:45
0.583	1536.		13:50
0.667	1537.		13:55
0.750	1532.		14: 0
1.167	1535.		14:25
1.250	1584.		14:30
1.500	1400.		14:45
1.750	1465.		15: 0
2.000	1531.		15:15
2.250	1582.		15:30
2.500	1630.		15:45
2.750	1344.		16: 0
3.000	1410.		16:15
3.250	1471.		16:30
3.500	1526.		16:45
3.750	1619.		17: 0
4.000	1396.		17:15
4.250	1477.		17:30
4.500	1551.		17:45
4.750	1621.		18: 0
5.000	1687.		18:15
5.250	1363.		18:30
5.500	1423.		18:45
5.750	1479.		19: 0
6.000	1533.		19:15
6.250	1585.		19:30
6.500	1637.		19:45
6.750	1398.		20: 0
7.000	1447.		20:15
7.250	1494.		20:30
7.500	1539.		20:45
7.750	1581.		21: 0

25/ 2/83 OPEN APR, MAIN FLOW.

3/ 3/83

SPERRY-SUN INTERNATIONAL INC.  
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE: 4

ELF AQUITAINE NORGE A/S

OFFSHORE NORWAY  
25 FEBRUARY 1983  
NR-XS-30009(B)

1/3-3

DST NO.2, MR-SIX SURFACE PRESSURE MONITOR, ANNULUS PRESSURE.

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME
8.000	1623.		21:15 25/ 2/83
8.250	1370.		21:30
8.500	1413.		21:45
8.750	1452.		22: 0
9.000	1490.		22:15
9.250	1527.		22:30
9.500	1563.		22:45
9.750	1598.		23: 0
9.833	1.		23: 5

CLOSE APR. END OF  
ANNULUS PRESSURE DATA.