

Denne rapport
tilhører

 **STATOIL**

L&U DOK. SENTER

L. NR. 30283510014

KODE Well 31/3-1 nr. 17

Returneres etter bruk

N
sperry-SUI

**Pressure Survey Report
for
Statoil**

Well No. 31/3-1

01 October 1983

Test No. 2 Run No. 3

Downhole & Surface Data.



Pressure Survey Report
for
Statoil
Well No. 31/3-1
01 October 1983
Test No. 2 Run No. 3
Downhole & Surface Data.

SPERRY-SUN INTERNATIONAL INC.
MAGNETIC RECORDING PRESSURE GAUGE REPORT

STATOIL
TROLL
31/3-1

OFFSHORE NORWAY
01 OCTOBER 1983
NR-MS-30180

CHECK PRESSURES SHEET.

GAUGE TYPE/NO:	MKIIIA 0106	MR-6
TIME MODE	2 MIN	-
ELEMENT SIZE	10 K	5 K
DEPTH(M.RKB)	1353.84	U/C
MAX. TEMP.(Deg. C)	59.7	22.8

END OF EVENT	TIME/DATE	PRESSURE (Bars Abs.)	PRESSURE (Bars Abs.)
INITIAL STATIC	17:33:00 02/10	-	1.069
1st FLOW	00:50:00 03/10	-	126.622
ACID INJECTION 1	02:47:00 "	-	1.069
2nd FLOW	18:11:00 "	151.642	132.138
2nd BUILD-UP	01:57:00 04/10	155.535	130.139
3rd FLOW	15:03:00 "	138.836	88.357
3rd BUILD-UP	21:30:00 "	155.640	132.069

SPERRY-SUN ENGINEER : P J Weatherill.

GAUGE PERFORMANCE REPORT -

MKIIIA 0106-2241 - The data for the first 20 hrs of the test was unreadable. This was due to a magnetic tape fault; oxide from the tape being deposited on the print head at the start of the run which eventually rubbed clean. For the remainder of the test the gauge performed perfectly.

SPERRY-SUN INTERNATIONAL INC.
MAGNETIC RECORDING PRESSURE GAUGE REPORT

STATOIL
TROLL
31/3-1

OFFSHORE NORWAY
01 OCTOBER 1983
NR-MS-30180

TEST NO. 2, RUN NO. 3. SEQUENCE OF EVENTS

DATE	TIME	OPERATION

POST GRAVEL PACK TEST		
=====		
01/10/83	17:25	ACTIVATE GAUGE NO. 0106
"	17:45	GAUGES IN STRING
02/10/83	17:32	OPEN PCT VALVE
"	17:33	WELL OPENED ON 08/64" ADJ. CHOKE
"	17:36	INCREASE TO 24/64" ADJ. CHOKE AT MANIFOLD
"	17:47	BYPASS SURGE TANK
"	17:57	GAS TO SURFACE
"	18:01	INCREASE TO 28/64" ADJ. CHOKE
"	18:09	INCREASE TO 32/64" ADJ. CHOKE
"	18:25	CLOSE CHOKE MANIFOLD DUE TO LEAK
"	18:42	RE-OPEN CHOKE MANIFOLD ON 64/64" ADJ. CHOKE & DIRECT FLOW THRU HEATER ON 2x20/64" CHOKES
"	18:45	INCREASE TO 128/64" ADJ. CHOKE AT MANIFOLD
"	19:30	DIRECT FLOW THRU SEPERATOR
"	20:23	INCREASE TO 2x32/64" CHOKES AT HEATER
"	21:46	" " 2x48/64" " " "
"	22:32	" " 2x64/64" " " "
03/10/83	00:31	BYPASS SEPERATOR
"	00:35	DECREASE TO 2x48/64" CHOKES AT HEATER
"	00:39	" " 2x32/64" " " "
"	00:43	" " 2x20/64" " " "
"	00:50	CLOSE CHOKE MANIFOLD
"	00:51	CLOSE PCT VALVE
"	00:51-02:46	DISPLACE ACID, SHUT-IN FOR 1.58 HRS
POST ACID NO.1 TEST		
=====		
03/10/83	02:46	OPEN PCT VALVE
"	02:47	WELL OPENED ON 24/64" ADJ. CHOKE AT MANIFOLD
"	03:04	DIRECT FLOW THRU HEATER ON 2x20/64" CHOKES
"	03:05	CHOKE MANIFOLD FULLY OPEN
"	03:34	DIRECT FLOW THRU SEPERATOR
"	04:04	INCREASE TO 2x32/64" CHOKES AT HEATER
"	04:50	" " 2x48/64" " " "
"	05:32	" " 2x64/64" " " "
"	18:00	BYPASS SEPERATOR
"	18:02	DECREASE TO 2x32/64" CHOKES AT HEATER
"	18:07	" " 2x20/64" " " "
"	18:11	CLOSE CHOKE MANIFOLD
"	18:12	CLOSE PCT VALVE

SPERRY-SUN INTERNATIONAL INC.
MAGNETIC RECORDING PRESSURE GAUGE REPORT

STATOIL
TROLL
31/3-1

OFFSHORE NORWAY
01 OCTOBER 1983
NR-MS-30180

TEST NO. 2, RUN NO. 3. SEQUENCE OF EVENTS
(Continued).

DATE TIME OPERATION

MULTIRATE FLOW TEST NO.1

=====

04/10/83	01:56	OPEN PCT VALVE
"	01:57	WELL OPENED ON 28/64" ADJ. CHOKES AT MANIFOLD
"	02:00	DIRECT FLOW THRU HEATER ON 2x20/64" CHOKES
"	02:02	CHOKES MANIFOLD FULLY OPEN
"	02:30	DIRECT FLOW THRU SEPARATOR
"	06:49	INCREASE TO 2x32/64" CHOKES AT HEATER
"	11:02	" " 2x64/64" " " "
"	11:07	" " 2x128/64" " " "
"	15:03	CLOSE CHOKES MANIFOLD
"	15:05	CLOSE PCT VALVE
"	22:28	OPEN PCT VALVE, END OF TEST
"	22:54	POOH WITH GAUGES

=====

PRESSURE Scales 1 inch = 5 BARS

STATOIL
WELL NO. 31/3-1
TROLL

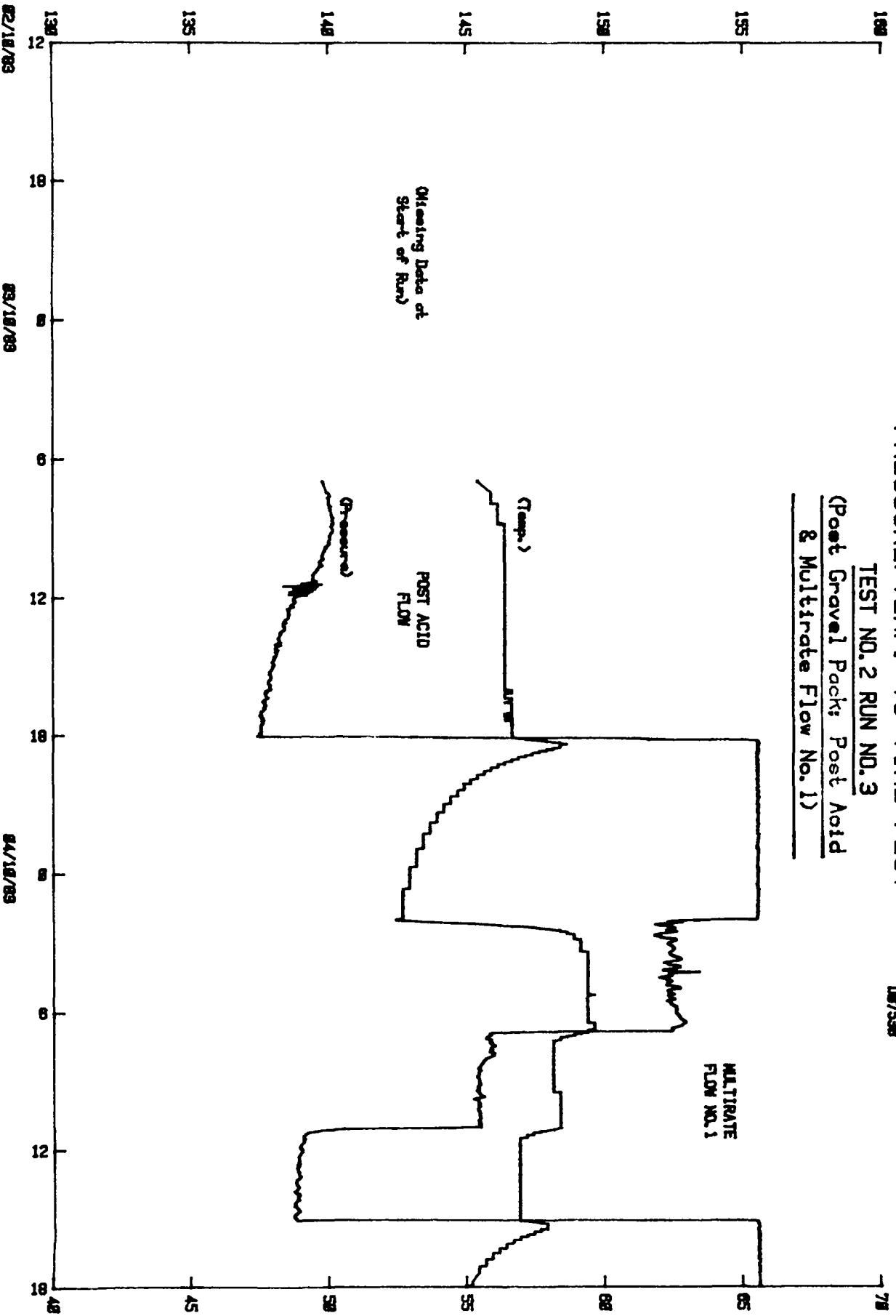
NL Sperry-Sun, Inc.

PRESSURE/TEMP. vs TIME PLOT

TEST NO. 2 RUN NO. 3

(Post Gravel Pack; Post Acid
& Multirate Flow No. 1)

01 OCTOBER 1989
M1111 B1B0
DM7SSB



TEMPERATURE Scales 1 inch = 5 (deg. C)

REAL TIME Scales 1 inch = 8 hours

10/22/83

SPERRY-SUN INTERNATIONAL
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE: 1

STATOIL
TROLL
31/3-1

OFFSHORE NORWAY
01 OCTOBER 1983
NR-MS-30180

DST 2, RUN 3. GAUGE 0106, SENSING DEPTH 1353.84 M. (POST ACID NO.1 FLOW).

DELTA TIME HOURS	ABS PRESSURE (BARS)	TEMP. DEG C	TIME
4.183	139.799	55.5	6:58
4.650	139.952	56.0	7:26
4.683	140.012	56.0	7:28
4.817	140.072	56.0	7:36
4.850	140.027	56.0	7:38
4.883	139.997	56.0	7:40
4.983	140.027	56.0	7:46
5.117	140.027	56.0	7:54
5.150	140.029	56.2	7:56
5.183	140.029	56.2	7:58
5.250	140.103	56.2	8: 2
5.283	140.074	56.2	8: 4
5.317	140.088	56.2	8: 6
5.350	140.103	56.2	8: 8
5.383	140.088	56.2	8:10
5.417	140.103	56.2	8:12
5.583	140.118	56.2	8:22
5.617	140.118	56.2	8:24
5.650	140.133	56.2	8:26
5.683	140.133	56.2	8:28
5.717	140.163	56.2	8:30
5.750	140.193	56.2	8:32
5.783	140.178	56.2	8:34
5.817	140.148	56.2	8:36
5.850	140.148	56.2	8:38
5.950	140.193	56.2	8:44
5.983	140.150	56.4	8:46
6.017	140.193	56.2	8:48
6.050	140.165	56.4	8:50
6.083	140.150	56.4	8:52
6.117	140.120	56.4	8:54
6.250	140.180	56.4	9: 2
6.283	140.165	56.4	9: 4
6.317	140.180	56.4	9: 6
6.350	140.165	56.4	9: 8
6.383	140.150	56.4	9:10
6.417	140.120	56.4	9:12
6.517	140.090	56.4	9:18
6.550	140.060	56.4	9:20
6.583	140.060	56.4	9:22
6.650	140.090	56.4	9:26
6.717	140.045	56.4	9:30
6.750	140.045	56.4	9:32
6.783	140.030	56.4	9:34
6.817	140.030	56.4	9:36
6.850	140.060	56.4	9:38
6.883	140.030	56.4	9:40
6.950	139.985	56.4	9:44
6.983	139.940	56.4	9:46
7.017	139.910	56.4	9:48

3/10/83 (MISSING DATA UPTO
06:58 ON 03/10/83.
WELL OPENED AT 02:47.
FLOWING THRU HEATER ON
2 X 64/64" CHOKES).

10/22/83

SPERRY-SUN INTERNATIONAL
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE: 2

STATOIL
TROLL
31/3-1

OFFSHORE NORWAY
01 OCTOBER 1983
NR-MS-30180

DST 2, RUN 3. GAUGE 0106, SENSING DEPTH 1353.84 M. (POST ACID NO.1 FLOW).

DELTA TIME HOURS	ABS PRESSURE (BARS)	TEMP. DEG C	TIME	
7.050	139.940	56.4	9:50	3/10/83
7.083	139.910	56.4	9:52	
7.150	139.880	56.4	9:56	
7.183	139.880	56.4	9:58	
7.217	139.850	56.4	10: 0	
7.250	139.836	56.4	10: 2	
7.283	139.821	56.4	10: 4	
7.317	139.821	56.4	10: 6	
7.383	139.791	56.4	10:10	
7.417	139.806	56.4	10:12	
7.483	139.791	56.4	10:16	
7.517	139.836	56.4	10:18	
7.550	139.821	56.4	10:20	
7.583	139.731	56.4	10:22	
7.617	139.716	56.4	10:24	
7.650	139.701	56.4	10:26	
7.683	139.701	56.4	10:28	
7.717	139.731	56.4	10:30	
7.750	139.701	56.4	10:32	
7.783	139.746	56.4	10:34	
7.817	139.776	56.4	10:36	
7.850	139.671	56.4	10:38	
7.883	139.671	56.4	10:40	
7.950	139.611	56.4	10:44	
7.983	139.626	56.4	10:46	
8.017	139.581	56.4	10:48	
8.083	139.521	56.4	10:52	
8.117	139.506	56.4	10:54	
8.150	139.476	56.4	10:56	
8.183	139.461	56.4	10:58	
8.217	139.446	56.4	11: 0	
8.250	139.461	56.4	11: 2	
8.283	139.461	56.4	11: 4	
8.350	139.461	56.4	11: 8	
8.383	139.431	56.4	11:10	
8.417	139.431	56.4	11:12	
8.450	139.446	56.4	11:14	
8.483	139.581	56.4	11:16	
8.583	139.042	56.4	11:22	
8.617	139.761	56.4	11:24	
8.650	139.401	56.4	11:26	
8.683	138.383	56.4	11:28	
8.717	139.611	56.4	11:30	
8.750	139.281	56.4	11:32	
8.783	138.757	56.4	11:34	
8.817	139.521	56.4	11:36	
8.850	138.907	56.4	11:38	
8.883	139.221	56.4	11:40	
8.917	139.431	56.4	11:42	
8.950	138.607	56.4	11:44	

10/22/83

SPERRY-SUN INTERNATIONAL
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE: 3

STATOIL
TROLL
31/3-1

OFFSHORE NORWAY
01 OCTOBER 1983
NR-MS-30180

DST 2, RUN 3. GAUGE 0106, SENSING DEPTH 1353.84 M. (POST ACID NO.1 FLOW).

DELTA TIME HOURS	ABS PRESSURE (BARS)	TEMP. DEG C	TIME	
8.983	139.311	56.4	11:46	3/10/83
9.017	139.161	56.4	11:48	
9.050	138.577	56.4	11:50	
9.083	139.221	56.4	11:52	
9.117	138.802	56.4	11:54	
9.150	138.847	56.4	11:56	
9.183	138.802	56.4	11:58	
9.217	138.772	56.4	12: 0	
9.250	138.742	56.4	12: 2	
9.283	138.742	56.4	12: 4	
9.317	138.787	56.4	12: 6	
9.350	138.772	56.4	12: 8	
9.383	138.802	56.4	12:10	
9.417	138.787	56.4	12:12	
9.450	138.742	56.4	12:14	
9.483	138.712	56.4	12:16	
9.517	138.652	56.4	12:18	
9.550	138.712	56.4	12:20	
9.583	138.742	56.4	12:22	
9.617	138.652	56.4	12:24	
9.650	138.592	56.4	12:26	
9.683	138.532	56.4	12:28	
9.717	138.577	56.4	12:30	
9.750	138.592	56.4	12:32	
9.783	138.562	56.4	12:34	
9.817	138.547	56.4	12:36	
9.850	138.547	56.4	12:38	
9.883	138.562	56.4	12:40	
9.917	138.592	56.4	12:42	
9.950	138.562	56.4	12:44	
9.983	138.562	56.4	12:46	
10.017	138.562	56.4	12:48	
10.050	138.562	56.4	12:50	
10.083	138.547	56.4	12:52	
10.117	138.502	56.4	12:54	
10.150	138.443	56.4	12:56	
10.183	138.443	56.4	12:58	
10.217	138.398	56.4	13: 0	
10.250	138.443	56.4	13: 2	
10.283	138.473	56.4	13: 4	
10.317	138.368	56.4	13: 6	
10.350	138.383	56.4	13: 8	
10.383	138.383	56.4	13:10	
10.417	138.368	56.4	13:12	
10.450	138.413	56.4	13:14	
10.483	138.413	56.4	13:16	
10.517	138.413	56.4	13:18	
10.550	138.428	56.4	13:20	
10.583	138.413	56.4	13:22	
10.617	138.353	56.4	13:24	

10/22/83

SPERRY-SUN INTERNATIONAL
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE: 4

STATOIL
TROLL
31/3-1

OFFSHORE NORWAY
01 OCTOBER 1983
NR-MS-30180

DST 2, RUN 3. GAUGE 0106, SENSING DEPTH 1353.84 M. (POST ACID NO.1 FLOW).

DELTA TIME HOURS	ABS PRESSURE (BARS)	TEMP. DEG C	TIME	
10.650	138.353	56.4	13:26	3/10/83
10.683	138.293	56.4	13:28	
10.717	138.263	56.4	13:30	
10.750	138.248	56.4	13:32	
10.783	138.278	56.4	13:34	
10.817	138.263	56.4	13:36	
10.850	138.248	56.4	13:38	
10.917	138.218	56.4	13:42	
10.950	138.188	56.4	13:44	
10.983	138.218	56.4	13:46	
11.017	138.233	56.4	13:48	
11.050	138.233	56.4	13:50	
11.083	138.233	56.4	13:52	
11.117	138.263	56.4	13:54	
11.150	138.278	56.4	13:56	
11.183	138.143	56.4	13:58	
11.217	138.083	56.4	14: 0	
11.250	138.293	56.4	14: 2	
11.283	138.203	56.4	14: 4	
11.317	138.113	56.4	14: 6	
11.350	138.113	56.4	14: 8	
11.383	138.113	56.4	14:10	
11.417	138.083	56.4	14:12	
11.450	138.143	56.4	14:14	
11.483	138.173	56.4	14:16	
11.517	138.173	56.4	14:18	
11.550	138.083	56.4	14:20	
11.583	138.113	56.4	14:22	
11.617	138.143	56.4	14:24	
11.650	138.143	56.4	14:26	
11.683	138.113	56.4	14:28	
11.717	138.098	56.4	14:30	
11.750	138.053	56.4	14:32	
11.783	138.083	56.4	14:34	
11.817	138.038	56.4	14:36	
11.850	138.023	56.4	14:38	
11.883	138.053	56.4	14:40	
11.917	138.023	56.4	14:42	
11.950	138.008	56.4	14:44	
11.983	137.978	56.4	14:46	
12.017	137.993	56.4	14:48	
12.050	137.993	56.4	14:50	
12.083	138.023	56.4	14:52	
12.117	138.053	56.4	14:54	
12.150	138.023	56.4	14:56	
12.183	137.993	56.4	14:58	
12.217	137.993	56.4	15: 0	
12.250	137.993	56.4	15: 2	
12.283	137.978	56.4	15: 4	
12.317	137.963	56.4	15: 6	

10/22/83

SPERRY-SUN INTERNATIONAL
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE: 5

STATOIL
TROLL
31/3-1

OFFSHORE NORWAY
01 OCTOBER 1983
NR-MS-30180

DST 2, RUN 3. GAUGE 0106, SENSING DEPTH 1353.84 M. (POST ACID NO.1 FLOW).

DELTA TIME HOURS	ABS PRESSURE (BARS)	TEMP. DEG C	TIME	
12.350	137.933	56.4	15: 8	3/10/83
12.383	137.918	56.4	15:10	
12.417	137.873	56.4	15:12	
12.450	137.888	56.4	15:14	
12.483	137.903	56.4	15:16	
12.517	137.858	56.4	15:18	
12.550	137.903	56.4	15:20	
12.583	137.933	56.4	15:22	
12.617	137.933	56.4	15:24	
12.650	137.933	56.4	15:26	
12.683	137.933	56.4	15:28	
12.717	137.933	56.4	15:30	
12.750	137.903	56.4	15:32	
12.783	137.903	56.4	15:34	
12.817	137.843	56.4	15:36	
12.850	137.843	56.4	15:38	
12.883	137.843	56.4	15:40	
12.917	137.843	56.4	15:42	
12.950	137.828	56.4	15:44	
12.983	137.843	56.4	15:46	
13.017	137.873	56.4	15:48	
13.050	137.903	56.4	15:50	
13.083	137.888	56.4	15:52	
13.117	137.873	56.4	15:54	
13.150	137.903	56.4	15:56	
13.183	137.918	56.4	15:58	
13.217	137.888	56.4	16: 0	
13.250	137.770	56.7	16: 2	
13.283	137.740	56.7	16: 4	
13.317	137.784	56.4	16: 6	
13.350	137.711	56.7	16: 8	
13.383	137.711	56.7	16:10	
13.417	137.724	56.4	16:12	
13.450	137.739	56.4	16:14	
13.483	137.754	56.4	16:16	
13.517	137.754	56.4	16:18	
13.550	137.784	56.4	16:20	
13.583	137.813	56.4	16:22	
13.617	137.770	56.7	16:24	
13.650	137.711	56.7	16:26	
13.683	137.681	56.7	16:28	
13.717	137.681	56.7	16:30	
13.750	137.621	56.7	16:32	
13.783	137.724	56.4	16:34	
13.817	137.696	56.7	16:36	
13.850	137.696	56.7	16:38	
13.883	137.740	56.7	16:40	
13.917	137.755	56.7	16:42	
13.950	137.726	56.7	16:44	
13.983	137.681	56.7	16:46	

10/22/83

SPERRY-SUN INTERNATIONAL
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE: 6

STATOIL
TROLL
31/3-1

OFFSHORE NORWAY
01 OCTOBER 1983
NR-MS-30180

DST 2, RUN 3. GAUGE 0106, SENSING DEPTH 1353.84 M. (POST ACID NO.1 FLOW).

DELTA TIME HOURS	ABS PRESSURE (BARS)	TEMP. DEG C	TIME	
14.017	137.666	56.7	16:48	3/10/83
14.050	137.711	56.7	16:50	
14.083	137.681	56.7	16:52	
14.117	137.651	56.7	16:54	
14.150	137.591	56.7	16:56	
14.183	137.591	56.7	16:58	
14.217	137.561	56.7	17: 0	
14.250	137.561	56.7	17: 2	
14.283	137.574	56.4	17: 4	
14.317	137.589	56.4	17: 6	
14.350	137.531	56.7	17: 8	
14.383	137.589	56.4	17:10	
14.417	137.561	56.7	17:12	
14.450	137.634	56.4	17:14	
14.483	137.606	56.7	17:16	
14.517	137.606	56.7	17:18	
14.550	137.664	56.4	17:20	
14.583	137.591	56.7	17:22	
14.617	137.606	56.7	17:24	
14.650	137.621	56.7	17:26	
14.683	137.621	56.7	17:28	
14.717	137.591	56.7	17:30	
14.750	137.591	56.7	17:32	
14.783	137.561	56.7	17:34	
14.817	137.561	56.7	17:36	
14.850	137.561	56.7	17:38	
14.883	137.561	56.7	17:40	
14.917	137.546	56.7	17:42	
14.950	137.546	56.7	17:44	
14.983	137.561	56.7	17:46	
15.017	137.576	56.7	17:48	
15.050	137.576	56.7	17:50	
15.083	137.561	56.7	17:52	
15.117	137.501	56.7	17:54	
15.150	137.501	56.7	17:56	
15.183	137.561	56.7	17:58	
15.217	137.546	56.7	18: 0	
15.250	137.426	56.7	18: 2	
15.283	142.983	56.7	18: 4	
15.317	144.211	56.7	18: 6	
15.350	151.117	56.9	18: 8	
15.383	151.642	57.2	18:10	

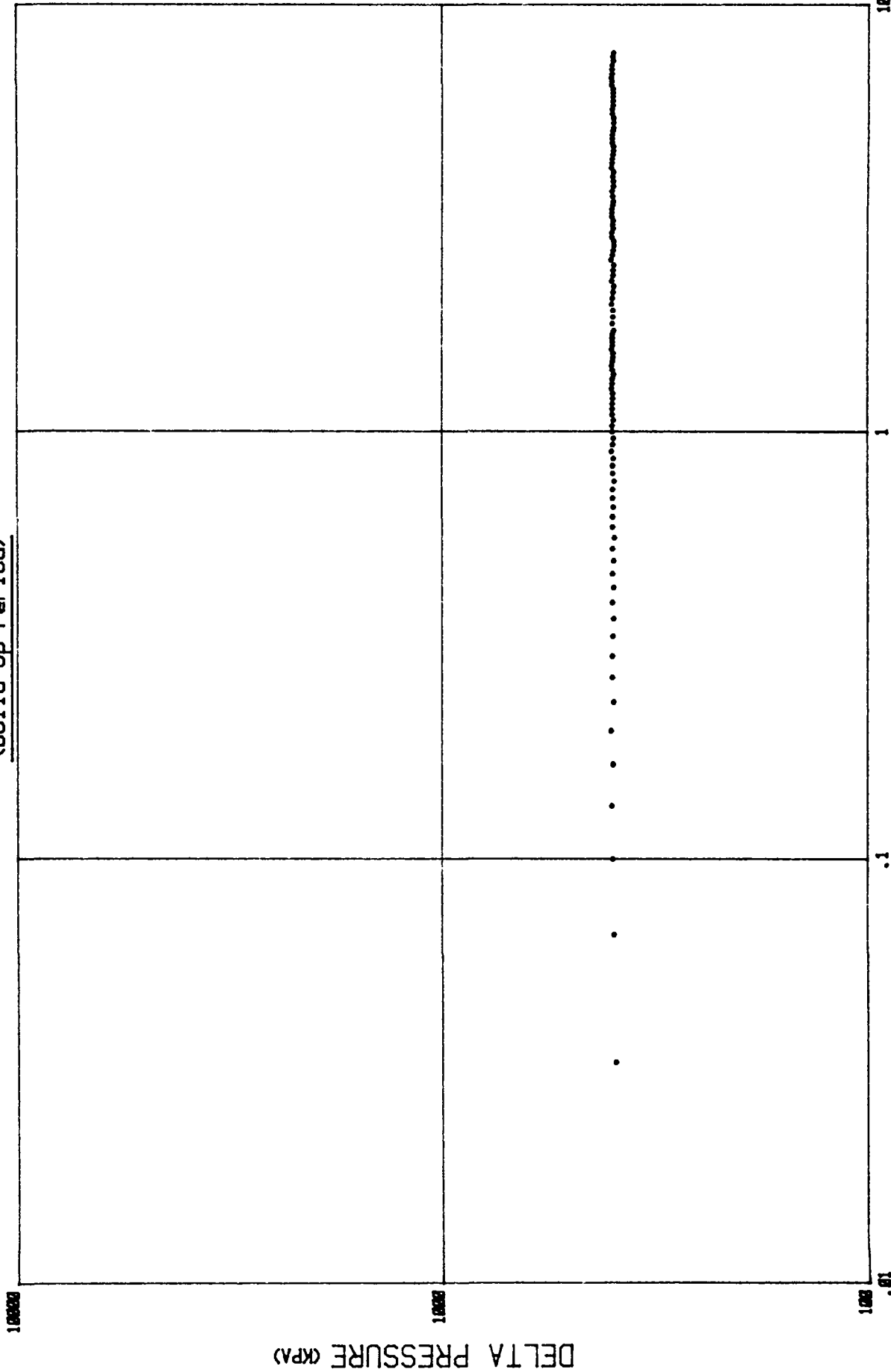
BYPASS SEPERATOR.
DECREASE TO 2 X 32/64"
CHOKES AT HEATER.
DECREASE TO 2 X 20/64"
CHOKES AT HEATER.
END OF FLOW PERIOD.

STATOIL
WELL NO. 31/3-1
TROLL

NL Sperry-Sun, Inc.
LOG (dP) Vs LOG (dT) PLOT

TEST NO. 2 Post Acid No. 1
(Build-up Period)

01 OCTOBER 1983
MK111A 0108
D87538



SHUT-IN TIME = 2925 mins.
FINAL DELTA TIME = 3388 mins.

DELTA TIME

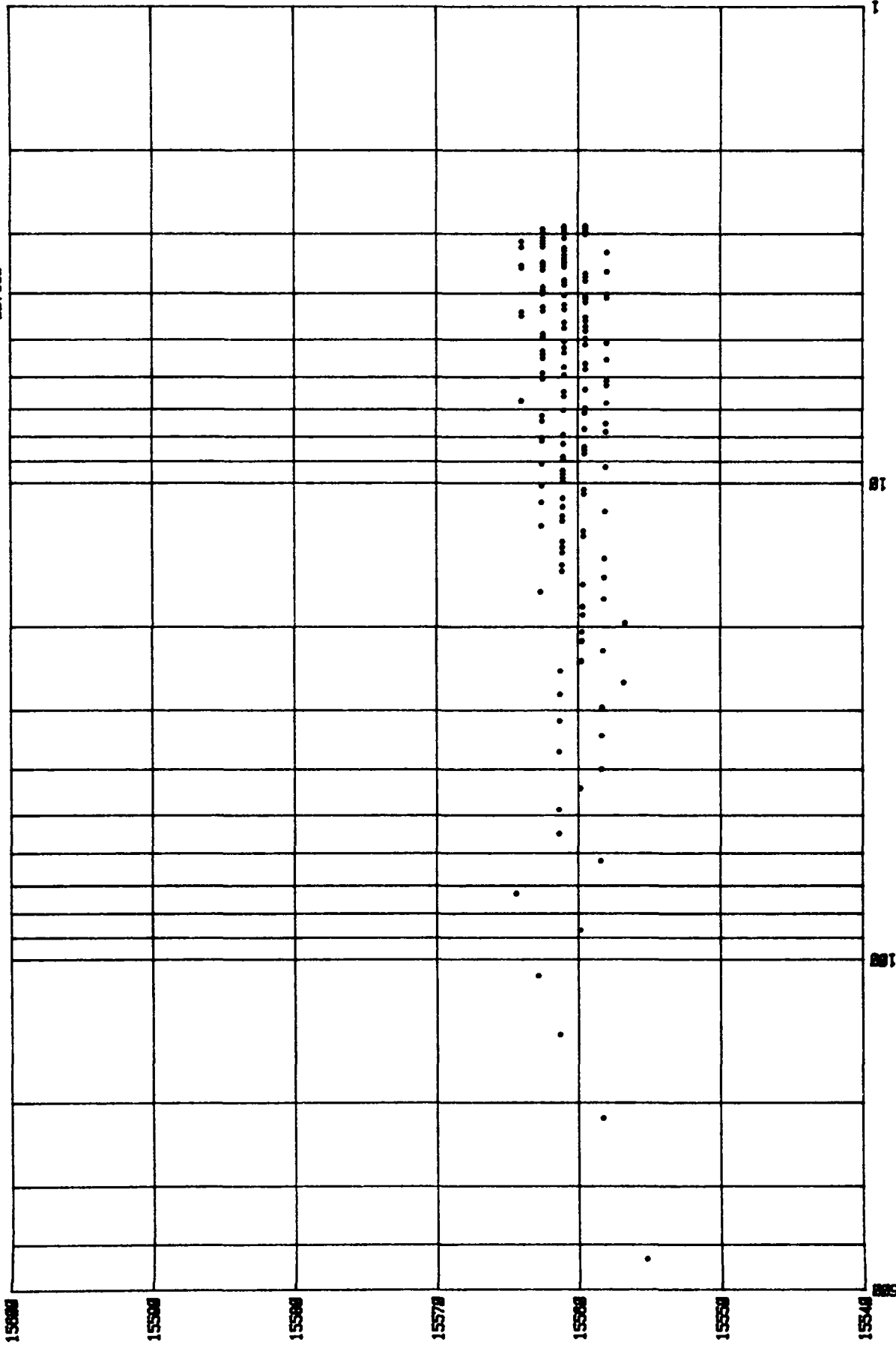
DELTA TIME IS IN HOURS

01 OCTOBER 1983

NL Sperry-Sun, Inc. HORNER PLOT

STATOIL
WELL NO. 31/3-1
TROLL

M111A 8108
D87538



Scale 1 inch = 18 KPA

TEST NO. 2 Post Acid No. 1
SHUT-IN TIME = 2825 mins.
FINAL DELTA TIME = 3389 mins.

T = 14,2887 hours

$(T+dT)/dT$

10/22/83

SPERRY-SUN INTERNATIONAL
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE: 1

STATOIL
TROLL
31/3-1

OFFSHORE NORWAY
01 OCTOBER 1983
NR-MS-30180

DST 2, RUN 3. GAUGE 0106, SENSING DEPTH 1353.84 M. (POST ACID NO.1 BUILD-UP).

DELTA TIME HOURS	ABS PRESSURE (BARS)	TEMP. DEG C	TIME
-0.017	151.642	57.2	18:10
0.017	155.552	57.4	18:12
0.050	155.583	57.7	18:14
0.083	155.613	57.9	18:16
0.117	155.628	58.2	18:18
0.150	155.599	58.4	18:20
0.183	155.643	58.4	18:22
0.217	155.584	58.7	18:24
0.250	155.614	58.4	18:26
0.283	155.614	58.4	18:28
0.317	155.599	58.4	18:30
0.350	155.584	58.4	18:32
0.383	155.613	58.2	18:34
0.417	155.583	58.2	18:36
0.450	155.613	57.9	18:38
0.483	155.583	57.9	18:40
0.517	155.613	57.7	18:42
0.550	155.568	57.7	18:44
0.583	155.612	57.4	18:46
0.617	155.597	57.4	18:48
0.650	155.582	57.4	18:50
0.683	155.597	57.2	18:52
0.717	155.597	57.2	18:54
0.750	155.567	57.2	18:56
0.783	155.597	56.9	18:58
0.817	155.597	56.9	19: 0
0.850	155.582	56.9	19: 2
0.883	155.626	56.7	19: 4
0.917	155.596	56.7	19: 6
0.950	155.582	56.7	19: 8
0.983	155.611	56.4	19:10
1.017	155.611	56.4	19:12
1.050	155.581	56.4	19:14
1.083	155.611	56.2	19:16
1.117	155.611	56.2	19:18
1.150	155.611	56.2	19:20
1.183	155.596	56.2	19:22
1.217	155.596	56.2	19:24
1.250	155.626	56.0	19:26
1.283	155.611	56.0	19:28
1.317	155.611	56.0	19:30
1.350	155.581	56.0	19:32
1.383	155.611	55.7	19:34
1.417	155.626	55.7	19:36
1.450	155.611	55.7	19:38
1.483	155.596	55.7	19:40
1.517	155.596	55.7	19:42
1.550	155.625	55.5	19:44
1.583	155.610	55.5	19:46
1.617	155.610	55.5	19:48

3/10/83 CLOSE CHOKE MANIFOLD & PCTV.

0/22/83

SPERRY-SUN INTERNATIONAL
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE: 2

STATOIL
TROLL
31/3-1OFFSHORE NORWAY
01 OCTOBER 1983
NR-MS-30180

DST 2, RUN 3. GAUGE 0106, SENSING DEPTH 1353.84 M. (POST ACID NO.1 BUILD-UP).

DELTA TIME HOURS	ABS PRESSURE (BARS)	TEMP. DEG C	TIME	
1.650	155.610	55.5	19:50	3/10/83
1.683	155.610	55.5	19:52	
1.717	155.580	55.5	19:54	
1.750	155.625	55.2	19:56	
1.783	155.610	55.2	19:58	
1.817	155.610	55.2	20: 0	
1.850	155.595	55.2	20: 2	
1.883	155.595	55.2	20: 4	
1.917	155.595	55.2	20: 6	
1.950	155.610	55.0	20: 8	
1.983	155.625	55.0	20:10	
2.017	155.625	55.0	20:12	
2.050	155.610	55.0	20:14	
2.083	155.580	55.0	20:16	
2.117	155.595	55.0	20:18	
2.150	155.595	55.0	20:20	
2.183	155.580	55.0	20:22	
2.217	155.625	54.7	20:24	
2.250	155.625	54.7	20:26	
2.283	155.625	54.7	20:28	
2.317	155.595	54.7	20:30	
2.350	155.610	54.7	20:32	
2.383	155.595	54.7	20:34	
2.417	155.595	54.7	20:36	
2.450	155.580	54.7	20:38	
2.483	155.640	54.5	20:40	
2.517	155.640	54.5	20:42	
2.550	155.610	54.5	20:44	
2.583	155.610	54.5	20:46	
2.617	155.610	54.5	20:48	
2.650	155.595	54.5	20:50	
2.683	155.595	54.5	20:52	
2.717	155.580	54.5	20:54	
2.750	155.580	54.5	20:56	
2.783	155.580	54.5	20:58	
2.817	155.625	54.2	21: 0	
2.850	155.625	54.2	21: 2	
2.883	155.610	54.2	21: 4	
2.917	155.625	54.2	21: 6	
2.950	155.625	54.2	21: 8	
2.983	155.595	54.2	21:10	
3.017	155.610	54.2	21:12	
3.050	155.610	54.2	21:14	
3.083	155.595	54.2	21:16	
3.117	155.595	54.2	21:18	
3.150	155.580	54.2	21:20	
3.183	155.625	54.0	21:22	
3.217	155.625	54.0	21:24	
3.250	155.625	54.0	21:26	
3.283	155.610	54.0	21:28	

10/22/83

SPERRY-SUN INTERNATIONAL
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE: 3

STATOIL
TROLL
31/3-1

OFFSHORE NORWAY
01 OCTOBER 1983
NR-MS-30180

DST 2, RUN 3. GAUGE 0106, SENSING DEPTH 1353.84 M. (POST ACID NO.1 BUILD-UP).

DELTA TIME HOURS	ABS PRESSURE (BARS)	TEMP. DEG C	TIME	
3.317	155.625	54.0	21:30	3/10/83
3.350	155.625	54.0	21:32	
3.383	155.610	54.0	21:34	
3.417	155.610	54.0	21:36	
3.450	155.595	54.0	21:38	
3.483	155.580	54.0	21:40	
3.517	155.610	54.0	21:42	
3.550	155.610	54.0	21:44	
3.583	155.595	54.0	21:46	
3.617	155.625	53.7	21:48	
3.650	155.625	53.7	21:50	
3.683	155.625	53.7	21:52	
3.717	155.625	53.7	21:54	
3.750	155.595	53.7	21:56	
3.783	155.595	53.7	21:58	
3.817	155.610	53.7	22: 0	
3.850	155.595	53.7	22: 2	
3.883	155.595	53.7	22: 4	
3.917	155.595	53.7	22: 6	
3.950	155.610	53.7	22: 8	
3.983	155.595	53.7	22:10	
4.017	155.595	53.7	22:12	
4.050	155.595	53.7	22:14	
4.083	155.595	53.7	22:16	
4.117	155.640	53.5	22:18	
4.150	155.640	53.5	22:20	
4.183	155.640	53.5	22:22	
4.217	155.640	53.5	22:24	
4.250	155.625	53.5	22:26	
4.283	155.610	53.5	22:28	
4.317	155.610	53.5	22:30	
4.350	155.625	53.5	22:32	
4.383	155.625	53.5	22:34	
4.417	155.610	53.5	22:36	
4.450	155.610	53.5	22:38	
4.483	155.595	53.5	22:40	
4.517	155.595	53.5	22:42	
4.550	155.595	53.5	22:44	
4.583	155.595	53.5	22:46	
4.617	155.580	53.5	22:48	
4.650	155.595	53.5	22:50	
4.683	155.610	53.5	22:52	
4.717	155.580	53.5	22:54	
4.750	155.625	53.2	22:56	
4.783	155.625	53.2	22:58	
4.817	155.625	53.2	23: 0	
4.850	155.625	53.2	23: 2	
4.883	155.625	53.2	23: 4	
4.917	155.625	53.2	23: 6	
4.950	155.625	53.2	23: 8	

10/22/83

SPERRY-SUN INTERNATIONAL
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE: 4

STATOIL
TROLL
31/3-1OFFSHORE NORWAY
01 OCTOBER 1983
NR-MS-30180

DST 2, RUN 3. GAUGE 0106, SENSING DEPTH 1353.84 M. (POST ACID NO.1 BUILD-UP).

DELTA TIME HOURS	ABS PRESSURE (BARS)	TEMP. DEG C	TIME	
4.983	155.625	53.2	23:10	3/10/83
5.017	155.610	53.2	23:12	
5.050	155.610	53.2	23:14	
5.083	155.610	53.2	23:16	
5.117	155.610	53.2	23:18	
5.150	155.595	53.2	23:20	
5.183	155.610	53.2	23:22	
5.217	155.610	53.2	23:24	
5.250	155.610	53.2	23:26	
5.283	155.595	53.2	23:28	
5.317	155.595	53.2	23:30	
5.350	155.595	53.2	23:32	
5.383	155.595	53.2	23:34	
5.417	155.595	53.2	23:36	
5.450	155.595	53.2	23:38	
5.483	155.580	53.2	23:40	
5.517	155.580	53.2	23:42	
5.550	155.625	53.0	23:44	
5.583	155.625	53.0	23:46	
5.617	155.640	53.0	23:48	
5.650	155.610	53.0	23:50	
5.683	155.625	53.0	23:52	
5.717	155.640	53.0	23:54	
5.750	155.610	53.0	23:56	
5.783	155.625	53.0	23:58	
5.817	155.610	53.0	0:0	4/10/83
5.850	155.625	53.0	0:2	
5.883	155.610	53.0	0:4	
5.917	155.610	53.0	0:6	
5.950	155.610	53.0	0:8	
5.983	155.610	53.0	0:10	
6.017	155.610	53.0	0:12	
6.050	155.610	53.0	0:14	
6.083	155.610	53.0	0:16	
6.117	155.610	53.0	0:18	
6.150	155.610	53.0	0:20	
6.183	155.610	53.0	0:22	
6.217	155.610	53.0	0:24	
6.250	155.580	53.0	0:26	
6.283	155.580	53.0	0:28	
6.317	155.610	53.0	0:30	
6.350	155.610	53.0	0:32	
6.383	155.610	53.0	0:34	
6.417	155.610	53.0	0:36	
6.450	155.610	53.0	0:38	
6.483	155.640	52.7	0:40	
6.517	155.625	52.7	0:42	
6.550	155.625	52.7	0:44	
6.583	155.625	52.7	0:46	
6.617	155.625	52.7	0:48	

10/22/83

SPERRY-SUN INTERNATIONAL
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE: 5

STATOIL
TROLL
31/3-1

OFFSHORE NORWAY
01 OCTOBER 1983
NR-MS-30180

DST 2, RUN 3. GAUGE 0106, SENSING DEPTH 1353.84 M. (POST ACID NO.1 BUILD-UP).

DELTA TIME HOURS	ABS PRESSURE (BARS)	TEMP. DEG C	TIME	
6.650	155.625	52.7	0:50	4/10/83
6.683	155.625	52.7	0:52	
6.717	155.625	52.7	0:54	
6.750	155.640	52.7	0:56	
6.783	155.625	52.7	0:58	
6.817	155.625	52.7	1: 0	
6.850	155.625	52.7	1: 2	
6.883	155.625	52.7	1: 4	
6.917	155.610	52.7	1: 6	
6.950	155.625	52.7	1: 8	
6.983	155.625	52.7	1:10	
7.017	155.625	52.7	1:12	
7.050	155.625	52.7	1:14	
7.083	155.625	52.7	1:16	
7.117	155.595	52.7	1:18	
7.150	155.595	52.7	1:20	
7.183	155.595	52.7	1:22	
7.217	155.625	52.7	1:24	
7.250	155.595	52.7	1:26	
7.283	155.595	52.7	1:28	
7.317	155.610	52.7	1:30	
7.350	155.610	52.7	1:32	
7.383	155.595	52.7	1:34	
7.417	155.625	52.7	1:36	
7.450	155.595	52.7	1:38	
7.483	155.610	52.7	1:40	
7.517	155.595	52.7	1:42	
7.550	155.610	52.7	1:44	
7.583	155.595	52.7	1:46	
7.617	155.595	52.7	1:48	
7.650	155.595	52.7	1:50	
7.683	155.595	52.7	1:52	
7.717	155.595	52.7	1:54	
7.750	155.535	52.7	1:56	

END OF BUILD-UP PERIOD.

10/22/83

SPERRY-SUN INTERNATIONAL
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE: 1

STATOIL
TROLL
31/3-1

OFFSHORE NORWAY
01 OCTOBER 1983
NR-MS-30180

DST 2, RUN 3. GAUGE 0106, SENSING DEPTH 1353.84 M. (MULTIRATE FLOW NO.1).

DELTA TIME HOURS	ABS PRESSURE (BARS)	TEMP. DEG C	TIME
-0.017	155.535	52.7	1:56
0.017	153.449	52.5	1:58
0.050	152.744	52.7	2: 0
0.083	152.354	53.2	2: 2
0.117	152.850	53.7	2: 4
0.150	152.536	54.5	2: 6
0.183	152.177	55.2	2: 8
0.217	151.864	55.7	2:10
0.250	152.014	56.2	2:12
0.283	152.390	56.7	2:14
0.317	152.481	57.2	2:16
0.350	152.542	57.4	2:18
0.383	152.587	57.7	2:20
0.417	152.408	57.9	2:22
0.450	152.274	58.2	2:24
0.483	152.499	58.4	2:26
0.517	152.649	58.4	2:28
0.550	152.515	58.7	2:30
0.583	152.290	58.7	2:32
0.617	152.066	58.7	2:34
0.650	151.887	58.9	2:36
0.683	151.842	58.9	2:38
0.717	151.931	58.9	2:40
0.750	152.051	58.9	2:42
0.783	152.081	58.9	2:44
0.817	152.321	58.9	2:46
0.850	152.605	58.9	2:48
0.883	152.636	59.2	2:50
0.917	152.606	59.2	2:52
0.950	152.501	59.2	2:54
0.983	152.381	59.2	2:56
1.017	152.351	59.2	2:58
1.050	152.336	59.2	3: 0
1.083	152.366	59.2	3: 2
1.117	152.426	59.2	3: 4
1.150	152.471	59.2	3: 6
1.183	152.516	59.2	3: 8
1.217	152.546	59.2	3:10
1.250	152.561	59.2	3:12
1.283	152.561	59.2	3:14
1.317	152.516	59.2	3:16
1.350	152.501	59.2	3:18
1.383	152.456	59.2	3:20
1.417	152.397	59.4	3:22
1.450	152.382	59.4	3:24
1.483	152.397	59.4	3:26
1.517	152.412	59.4	3:28
1.550	152.442	59.4	3:30
1.583	152.532	59.4	3:32
1.617	152.591	59.4	3:34

4/10/83 OPEN PCT VALVE.
OPEN CHOKE TO 28/64".
DIRECT FLOW THRU HEATER
ON 2 X 20/64" CHOKES.
CHOKE MANIFOLD FULLY OPEN.

DIRECT FLOW THRU SEPERATOR.

STATOIL
TROLL
31/3-1OFFSHORE NORWAY
01 OCTOBER 1983
NR-MS-30180

DST 2, RUN 3. GAUGE 0106, SENSING DEPTH 1353.84 M. (MULTIRATE FLOW NO.1).

DELTA TIME HOURS	ABS PRESSURE (BARS)	TEMP. DEG C	TIME	
1.650	152.696	59.4	3:36	4/10/83
1.683	152.771	59.4	3:38	
1.717	152.801	59.4	3:40	
1.750	152.741	59.4	3:42	
1.783	152.621	59.4	3:44	
1.817	152.442	59.4	3:46	
1.850	152.262	59.4	3:48	
1.883	152.187	59.4	3:50	
1.917	152.352	59.4	3:52	
1.950	152.352	59.4	3:54	
1.983	152.412	59.4	3:56	
2.017	152.651	59.4	3:58	
2.050	152.771	59.4	4: 0	
2.083	152.771	59.4	4: 2	
2.117	152.636	59.4	4: 4	
2.150	152.412	59.4	4: 6	
2.183	152.157	59.4	4: 8	
2.217	152.157	59.4	4:10	
2.250	152.502	59.4	4:12	
2.283	153.475	59.4	4:14	
2.317	152.442	59.4	4:16	
2.350	152.382	59.4	4:18	
2.383	152.502	59.4	4:20	
2.417	152.472	59.4	4:22	
2.450	152.307	59.4	4:24	
2.483	152.098	59.4	4:26	
2.517	152.023	59.4	4:28	
2.550	152.187	59.4	4:30	
2.583	152.367	59.4	4:32	
2.617	152.307	59.4	4:34	
2.650	152.457	59.4	4:36	
2.683	152.472	59.4	4:38	
2.717	152.382	59.4	4:40	
2.750	152.337	59.4	4:42	
2.783	152.352	59.4	4:44	
2.817	152.322	59.4	4:46	
2.850	152.292	59.4	4:48	
2.883	152.472	59.4	4:50	
2.917	152.681	59.4	4:52	
2.950	152.771	59.4	4:54	
2.983	152.771	59.4	4:56	
3.017	152.576	59.4	4:58	
3.050	152.382	59.4	5: 0	
3.083	152.322	59.4	5: 2	
3.117	152.352	59.4	5: 4	
3.150	152.352	59.4	5: 6	
3.183	152.412	59.4	5: 8	
3.217	152.487	59.4	5:10	
3.250	152.547	59.4	5:12	
3.283	152.457	59.7	5:14	

STATOIL
TROLL
31/3-1OFFSHORE NORWAY
01 OCTOBER 1983
NR-MS-30180

DST 2, RUN 3. GAUGE 0106, SENSING DEPTH 1353.84 M. (MULTIRATE FLOW NO.1).

DELTA TIME HOURS	ABS PRESSURE (BARS)	TEMP. DEG C	TIME	
3.317	152.352	59.4	5:16	4/10/83
3.350	152.382	59.4	5:18	
3.383	152.427	59.4	5:20	
3.417	152.442	59.4	5:22	
3.450	152.591	59.4	5:24	
3.483	152.591	59.4	5:26	
3.517	152.472	59.4	5:28	
3.550	152.307	59.4	5:30	
3.583	152.412	59.4	5:32	
3.617	152.427	59.4	5:34	
3.650	152.442	59.4	5:36	
3.683	152.487	59.4	5:38	
3.717	152.532	59.4	5:40	
3.750	152.591	59.4	5:42	
3.783	152.651	59.4	5:44	
3.817	152.636	59.4	5:46	
3.850	152.651	59.4	5:48	
3.883	152.636	59.4	5:50	
3.917	152.651	59.4	5:52	
3.950	152.651	59.4	5:54	
3.983	152.621	59.4	5:56	
4.017	152.621	59.4	5:58	
4.050	152.621	59.4	6: 0	
4.083	152.666	59.4	6: 2	
4.117	152.666	59.4	6: 4	
4.150	152.711	59.4	6: 6	
4.183	152.711	59.4	6: 8	
4.217	152.756	59.4	6:10	
4.250	152.771	59.4	6:12	
4.283	152.771	59.4	6:14	
4.317	152.801	59.4	6:16	
4.350	152.831	59.4	6:18	
4.383	152.861	59.4	6:20	
4.417	152.906	59.4	6:22	
4.450	152.966	59.4	6:24	
4.483	152.981	59.4	6:26	
4.517	152.936	59.7	6:28	
4.550	152.891	59.7	6:30	
4.583	152.847	59.7	6:32	
4.617	152.817	59.7	6:34	
4.650	152.727	59.7	6:36	
4.683	152.622	59.7	6:38	
4.717	152.487	59.7	6:40	
4.750	152.517	59.7	6:42	
4.783	152.517	59.7	6:44	
4.817	152.517	59.4	6:46	
4.850	152.427	59.7	6:48	
4.883	147.159	59.4	6:50	
4.917	145.977	59.4	6:52	
4.950	145.871	59.2	6:54	

INCREASE TO 2 X 32/64"
CHOKES AT HEATER.

10/22/83

SPERRY-SUN INTERNATIONAL
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE: 4

STATOIL
TROLL
31/3-1

OFFSHORE NORWAY
01 OCTOBER 1983
NR-MS-30180

DST 2, RUN 3. GAUGE 0106, SENSING DEPTH 1353.84 M. (MULTIRATE FLOW NO.1).

DELTA TIME HOURS	ABS PRESSURE (BARS)	TEMP. DEG C	TIME	
4.983	145.900	59.2	6:56	4/10/83
5.017	145.914	58.9	6:58	
5.050	145.854	58.9	7: 0	
5.083	145.808	58.7	7: 2	
5.117	145.763	58.7	7: 4	
5.150	145.762	58.4	7: 6	
5.183	145.732	58.4	7: 8	
5.217	145.822	58.4	7:10	
5.250	145.912	58.4	7:12	
5.283	145.896	58.2	7:14	
5.317	145.910	58.2	7:16	
5.350	145.866	58.2	7:18	
5.383	145.955	58.2	7:20	
5.417	145.925	58.2	7:22	
5.450	145.940	58.2	7:24	
5.483	146.045	58.2	7:26	
5.517	146.060	58.2	7:28	
5.550	145.970	58.2	7:30	
5.583	145.910	58.2	7:32	
5.617	145.896	58.2	7:34	
5.650	145.925	58.2	7:36	
5.683	145.955	58.2	7:38	
5.717	145.925	58.2	7:40	
5.750	145.866	58.2	7:42	
5.783	145.925	58.2	7:44	
5.817	146.030	58.2	7:46	
5.850	146.015	58.2	7:48	
5.883	145.985	58.2	7:50	
5.917	146.015	58.2	7:52	
5.950	145.955	58.2	7:54	
5.983	145.866	58.2	7:56	
6.017	145.806	58.2	7:58	
6.050	145.731	58.2	8: 0	
6.083	145.716	58.2	8: 2	
6.117	145.671	58.2	8: 4	
6.150	145.656	58.2	8: 6	
6.183	145.626	58.2	8: 8	
6.217	145.626	58.2	8:10	
6.250	145.596	58.2	8:12	
6.283	145.566	58.2	8:14	
6.317	145.551	58.2	8:16	
6.350	145.536	58.2	8:18	
6.383	145.521	58.2	8:20	
6.417	145.491	58.2	8:22	
6.450	145.476	58.2	8:24	
6.483	145.446	58.2	8:26	
6.517	145.476	58.2	8:28	
6.550	145.521	58.2	8:30	
6.583	145.536	58.2	8:32	
6.617	145.476	58.2	8:34	

STATOIL
TROLL
31/3-1OFFSHORE NORWAY
01 OCTOBER 1983
NR-MS-30180

DST 2, RUN 3. GAUGE 0106, SENSING DEPTH 1353.84 M. (MULTIRATE FLOW NO.1).

DELTA TIME HOURS	ABS PRESSURE (BARS)	TEMP. DEG C	TIME	
6.650	145.461	58.2	8:36	4/10/83
6.683	145.476	58.2	8:38	
6.717	145.476	58.2	8:40	
6.750	145.476	58.2	8:42	
6.783	145.446	58.2	8:44	
6.817	145.416	58.2	8:46	
6.850	145.446	58.2	8:48	
6.883	145.416	58.2	8:50	
6.917	145.446	58.2	8:52	
6.950	145.476	58.2	8:54	
6.983	145.476	58.2	8:56	
7.017	145.476	58.2	8:58	
7.050	145.491	58.2	9: 0	
7.083	145.491	58.2	9: 2	
7.117	145.476	58.2	9: 4	
7.150	145.476	58.2	9: 6	
7.183	145.521	58.2	9: 8	
7.217	145.506	58.2	9:10	
7.250	145.446	58.2	9:12	
7.283	145.446	58.2	9:14	
7.317	145.416	58.2	9:16	
7.350	145.446	58.2	9:18	
7.383	145.476	58.2	9:20	
7.417	145.461	58.2	9:22	
7.450	145.386	58.2	9:24	
7.483	145.416	58.2	9:26	
7.517	145.461	58.2	9:28	
7.550	145.463	58.4	9:30	
7.583	145.493	58.4	9:32	
7.617	145.508	58.4	9:34	
7.650	145.522	58.4	9:36	
7.683	145.582	58.4	9:38	
7.717	145.672	58.4	9:40	
7.750	145.552	58.4	9:42	
7.783	145.358	58.4	9:44	
7.817	145.283	58.4	9:46	
7.850	145.388	58.4	9:48	
7.883	145.448	58.4	9:50	
7.917	145.463	58.4	9:52	
7.950	145.448	58.4	9:54	
7.983	145.463	58.4	9:56	
8.017	145.493	58.4	9:58	
8.050	145.463	58.4	10: 0	
8.083	145.493	58.4	10: 2	
8.117	145.463	58.4	10: 4	
8.150	145.508	58.4	10: 6	
8.183	145.463	58.4	10: 8	
8.217	145.463	58.4	10:10	
8.250	145.448	58.4	10:12	
8.283	145.433	58.4	10:14	

10/22/83

SPERRY-SUN INTERNATIONAL
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE: 6

STATOIL
TROLL
31/3-1

OFFSHORE NORWAY
01 OCTOBER 1983
NR-MS-30180

DST 2, RUN 3. GAUGE 0106, SENSING DEPTH 1353.84 M. (MULTIRATE FLOW NO.1).

DELTA TIME HOURS	ABS PRESSURE (BARS)	TEMP. DEG C	TIME	
8.317	145.433	58.4	10:16	4/10/83
8.350	145.463	58.4	10:18	
8.383	145.493	58.4	10:20	
8.417	145.493	58.4	10:22	
8.450	145.478	58.4	10:24	
8.483	145.508	58.4	10:26	
8.517	145.508	58.4	10:28	
8.550	145.493	58.4	10:30	
8.583	145.508	58.4	10:32	
8.617	145.522	58.4	10:34	
8.650	145.522	58.4	10:36	
8.683	145.508	58.4	10:38	
8.717	145.493	58.4	10:40	
8.750	145.448	58.4	10:42	
8.783	145.463	58.4	10:44	
8.817	145.508	58.4	10:46	
8.850	145.522	58.4	10:48	
8.883	145.493	58.4	10:50	
8.917	145.478	58.4	10:52	
8.950	145.522	58.4	10:54	
8.983	145.522	58.4	10:56	
9.017	145.537	58.4	10:58	
9.050	145.537	58.4	11: 0	
9.083	144.520	58.4	11: 2	
9.117	140.523	58.4	11: 4	
9.150	140.177	58.2	11: 6	
9.183	139.728	58.2	11: 8	
9.217	139.621	57.9	11:10	
9.250	139.440	57.7	11:12	
9.283	139.230	57.7	11:14	
9.317	139.199	57.4	11:16	
9.350	139.139	57.4	11:18	
9.383	139.139	57.4	11:20	
9.417	139.092	57.2	11:22	
9.450	139.062	57.2	11:24	
9.483	139.062	57.2	11:26	
9.517	139.062	57.2	11:28	
9.550	139.120	56.9	11:30	
9.583	139.090	56.9	11:32	
9.617	139.075	56.9	11:34	
9.650	139.090	56.9	11:36	
9.683	139.075	56.9	11:38	
9.717	139.075	56.9	11:40	
9.750	139.015	56.9	11:42	
9.783	139.000	56.9	11:44	
9.817	138.970	56.9	11:46	
9.850	138.955	56.9	11:48	
9.883	138.940	56.9	11:50	
9.917	138.925	56.9	11:52	
9.950	138.955	56.9	11:54	

INCREASE TO 2 X 64/64"
CHOKES AT HEATER.

INCREASE TO 2 X 128/64"
CHOKES AT HEATER.

10/22/83

SPERRY-SUN INTERNATIONAL
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE: 7

STATOIL
TROLL
31/3-1OFFSHORE NORWAY
01 OCTOBER 1983
NR-MS-30180

DST 2, RUN 3. GAUGE 0106, SENSING DEPTH 1353.84 M. (MULTIRATE FLOW NO.1).

DELTA TIME HOURS	ABS PRESSURE (BARS)	TEMP. DEG C	TIME	
9.983	138.985	56.9	11:56	4/10/83
10.017	138.985	56.9	11:58	
10.050	139.015	56.9	12: 0	
10.083	139.000	56.9	12: 2	
10.117	139.015	56.9	12: 4	
10.150	138.985	56.9	12: 6	
10.183	138.955	56.9	12: 8	
10.217	138.955	56.9	12:10	
10.250	138.925	56.9	12:12	
10.283	138.895	56.9	12:14	
10.317	138.880	56.9	12:16	
10.350	138.895	56.9	12:18	
10.383	138.895	56.9	12:20	
10.417	138.895	56.9	12:22	
10.450	138.895	56.9	12:24	
10.483	138.910	56.9	12:26	
10.517	138.895	56.9	12:28	
10.550	138.880	56.9	12:30	
10.583	138.895	56.9	12:32	
10.617	138.925	56.9	12:34	
10.650	138.866	56.9	12:36	
10.683	138.851	56.9	12:38	
10.717	138.866	56.9	12:40	
10.750	138.895	56.9	12:42	
10.783	138.836	56.9	12:44	
10.817	138.836	56.9	12:46	
10.850	138.851	56.9	12:48	
10.883	138.866	56.9	12:50	
10.917	138.866	56.9	12:52	
10.950	138.880	56.9	12:54	
10.983	138.866	56.9	12:56	
11.017	138.895	56.9	12:58	
11.050	138.895	56.9	13: 0	
11.083	138.895	56.9	13: 2	
11.117	138.910	56.9	13: 4	
11.150	138.925	56.9	13: 6	
11.183	138.940	56.9	13: 8	
11.217	138.955	56.9	13:10	
11.250	138.895	56.9	13:12	
11.283	138.866	56.9	13:14	
11.317	138.806	56.9	13:16	
11.350	138.821	56.9	13:18	
11.383	138.806	56.9	13:20	
11.417	138.791	56.9	13:22	
11.450	138.791	56.9	13:24	
11.483	138.806	56.9	13:26	
11.517	138.806	56.9	13:28	
11.550	138.836	56.9	13:30	
11.583	138.851	56.9	13:32	
11.617	138.880	56.9	13:34	

10/22/83

SPERRY-SUN INTERNATIONAL
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE: 8

STATOIL
TROLL
31/3-1

OFFSHORE NORWAY
01 OCTOBER 1983
NR-MS-30180

DST 2, RUN 3. GAUGE 0106, SENSING DEPTH 1353.84 M. (MULTIRATE FLOW NO.1).

DELTA TIME HOURS	ABS PRESSURE (BARS)	TEMP. DEG C	TIME	
11.650	138.895	56.9	13:36	4/10/83
11.683	138.866	56.9	13:38	
11.717	138.851	56.9	13:40	
11.750	138.836	56.9	13:42	
11.783	138.791	56.9	13:44	
11.817	138.776	56.9	13:46	
11.850	138.746	56.9	13:48	
11.883	138.776	56.9	13:50	
11.917	138.806	56.9	13:52	
11.950	138.895	56.9	13:54	
11.983	138.925	56.9	13:56	
12.017	138.925	56.9	13:58	
12.050	138.866	56.9	14: 0	
12.083	138.866	56.9	14: 2	
12.117	138.866	56.9	14: 4	
12.150	138.866	56.9	14: 6	
12.183	138.895	56.9	14: 8	
12.217	138.836	56.9	14:10	
12.250	138.806	56.9	14:12	
12.283	138.761	56.9	14:14	
12.317	138.776	56.9	14:16	
12.350	138.746	56.9	14:18	
12.383	138.746	56.9	14:20	
12.417	138.776	56.9	14:22	
12.450	138.746	56.9	14:24	
12.483	138.776	56.9	14:26	
12.517	138.806	56.9	14:28	
12.550	138.836	56.9	14:30	
12.583	138.866	56.9	14:32	
12.617	138.866	56.9	14:34	
12.650	138.895	56.9	14:36	
12.683	138.925	56.9	14:38	
12.717	138.895	56.9	14:40	
12.750	138.851	56.9	14:42	
12.783	138.806	56.9	14:44	
12.817	138.776	56.9	14:46	
12.850	138.776	56.9	14:48	
12.883	138.731	56.9	14:50	
12.917	138.716	56.9	14:52	
12.950	138.746	56.9	14:54	
12.983	138.791	56.9	14:56	
13.017	138.806	56.9	14:58	
13.050	138.806	56.9	15: 0	
13.083	138.836	56.9	15: 2	

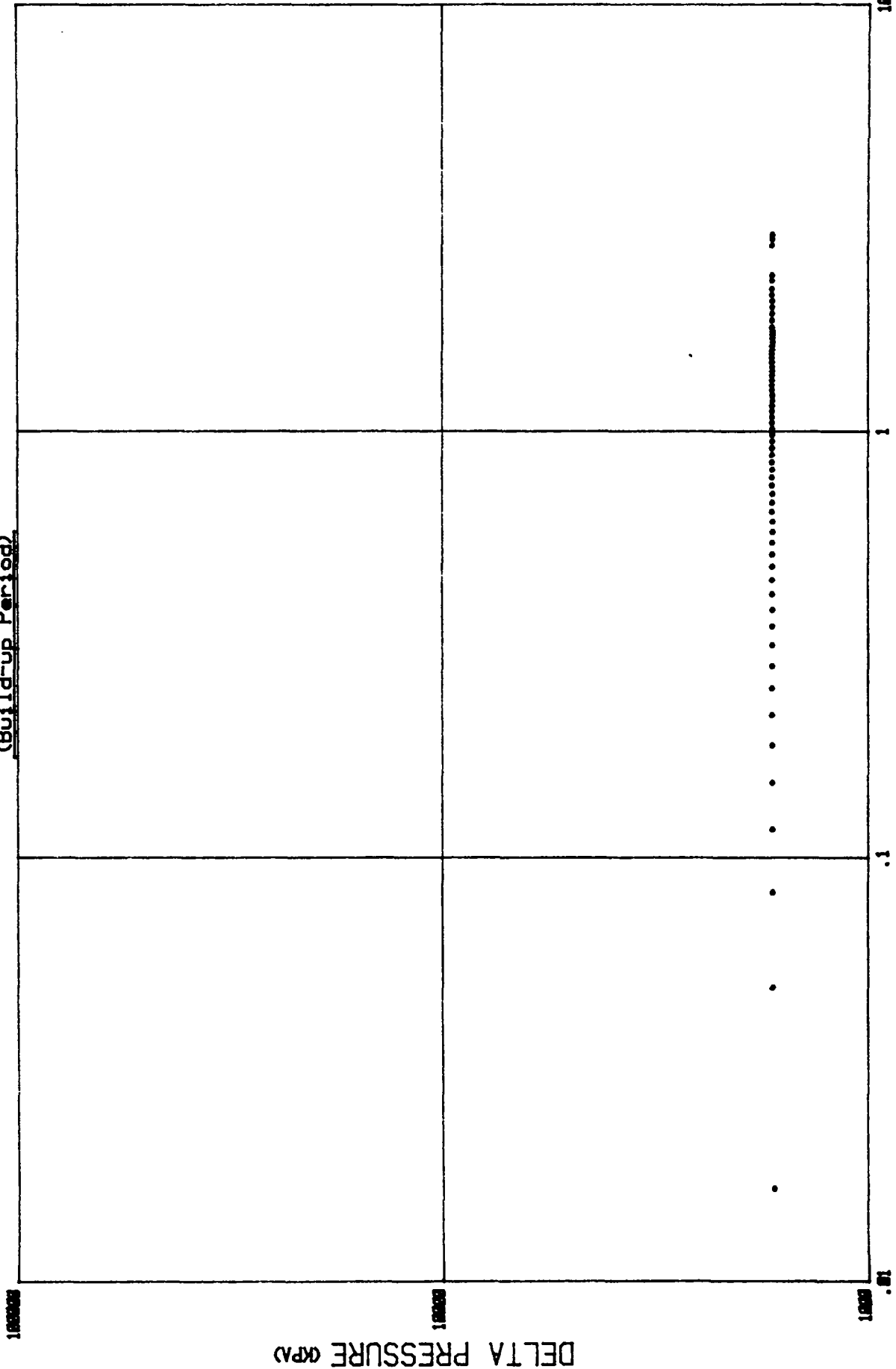
END OF FLOW PERIOD.

STATOIL
WELL NO. 31/3-1
TROLL

NL Sperry-Sun, Inc.
LOG(dp) Vs LOG(dt) PLOT

01 OCTOBER 1983
MK111A 0106
DM7538

TEST NO. 2 Post Multirate Flow No. 1
(Build-up Period)



SHUT-IN TIME = 4178 mins.
FINAL DELTA TIME = 4351 mins.

DELTA TIME

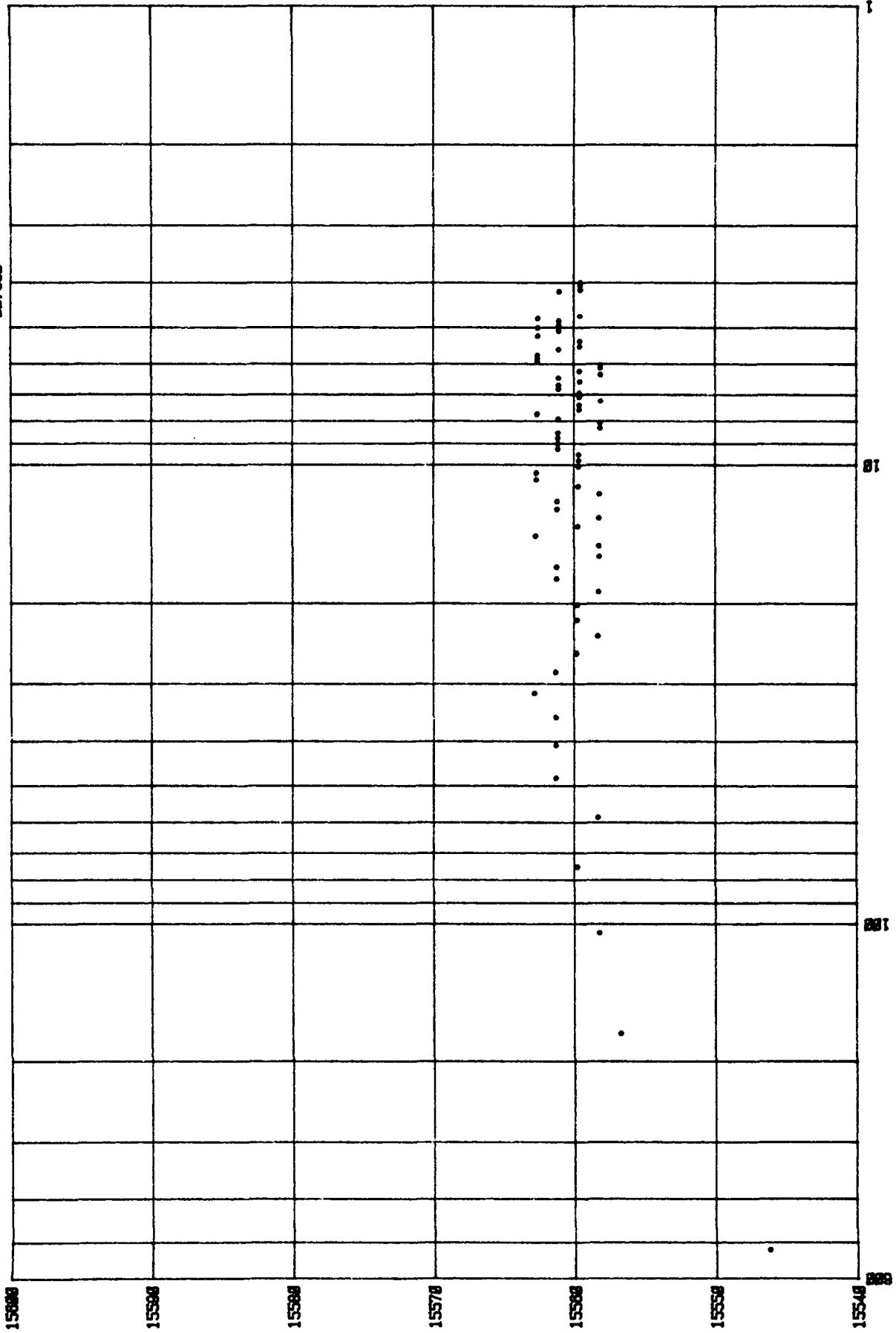
DELTA TIME IS IN HOURS

81 OCTOBER 1963

NL Sperry-Sun, Inc.
HORNER PLOT

STATOIL
WELL NO. 31/3-1
TROLL

MK111A 8188
D87538



TEST NO. 2 Post Multirate Flow No. 1
SHUT-IN TIME = 4178 mins.
FINAL DELTA TIME = 4351 mins.

$(T + \Delta T) / \Delta T$

T = 8.6167 hours

STATOIL
TROLL
31/3-1OFFSHORE NORWAY
01 OCTOBER 1983
NR-MS-30180

DST 2, RUN 3. GAUGE 0106, SENSING DEPTH 1353.84 M. (MULTIRATE TEST 1, BUILD-UP).

DELTA TIME HOURS	ABS PRESSURE (BARS)	TEMP. DEG C	TIME
-0.017	138.836	56.9	15: 2
0.017	155.462	56.9	15: 4
0.050	155.567	57.2	15: 6
0.083	155.582	57.4	15: 8
0.117	155.598	57.7	15:10
0.150	155.583	57.9	15:12
0.183	155.613	57.9	15:14
0.217	155.613	57.9	15:16
0.250	155.613	57.9	15:18
0.283	155.628	57.9	15:20
0.317	155.613	57.9	15:22
0.350	155.598	57.9	15:24
0.383	155.583	57.9	15:26
0.417	155.598	57.7	15:28
0.450	155.598	57.7	15:30
0.483	155.583	57.7	15:32
0.517	155.612	57.4	15:34
0.550	155.612	57.4	15:36
0.583	155.582	57.4	15:38
0.617	155.582	57.4	15:40
0.650	155.627	57.2	15:42
0.683	155.597	57.2	15:44
0.717	155.582	57.2	15:46
0.750	155.612	56.9	15:48
0.783	155.612	56.9	15:50
0.817	155.582	56.9	15:52
0.850	155.597	56.9	15:54
0.883	155.626	56.7	15:56
0.917	155.626	56.7	15:58
0.950	155.596	56.7	16: 0
0.983	155.596	56.7	16: 2
1.017	155.596	56.7	16: 4
1.050	155.611	56.4	16: 6
1.083	155.611	56.4	16: 8
1.117	155.611	56.4	16:10
1.150	155.611	56.4	16:12
1.183	155.581	56.4	16:14
1.217	155.581	56.4	16:16
1.250	155.611	56.2	16:18
1.283	155.626	56.2	16:20
1.317	155.596	56.2	16:22
1.350	155.596	56.2	16:24
1.383	155.581	56.2	16:26
1.417	155.596	56.2	16:28
1.450	155.596	56.2	16:30
1.483	155.611	56.0	16:32
1.517	155.611	56.0	16:34
1.550	155.596	56.0	16:36
1.583	155.611	56.0	16:38
1.617	155.581	56.0	16:40

4/10/83 WELL SHUT-IN AT CHOKE.
CLOSE PCT VALVE.

SPERRY-SUN INTERNATIONAL
MAGNETIC RECORDING PRESSURE GAUGE REPORT

STATOIL
TROLL
31/3-1

OFFSHORE NORWAY
01 OCTOBER 1983
NR-MS-30180

TEST 2, RUN 3. GAUGE 0106, SENSING DEPTH 1353.84 M. (MULTIRATE TEST 1, BUILD-UP).

DELTA TIME HOURS	ABS PRESSURE (BARS)	TEMP. DEG C	TIME	
1.650	155.596	56.0	16:42	4/10/83
1.683	155.581	56.0	16:44	
1.717	155.581	56.0	16:46	
1.750	155.626	55.7	16:48	
1.783	155.626	55.7	16:50	
1.817	155.626	55.7	16:52	
1.883	155.611	55.7	16:56	
1.917	155.596	55.7	16:58	
1.950	155.596	55.7	17: 0	
1.983	155.596	55.7	17: 2	
2.017	155.596	55.7	17: 4	
2.050	155.625	55.5	17: 6	
2.083	155.625	55.5	17: 8	
2.117	155.610	55.5	17:10	
2.150	155.625	55.5	17:12	
2.183	155.610	55.5	17:14	
2.250	155.610	55.5	17:18	
2.283	155.625	55.5	17:20	
2.317	155.595	55.5	17:22	
2.717	155.610	55.2	17:46	
2.750	155.595	55.2	17:48	
2.817	155.595	55.2	17:52	
2.850	155.595	55.2	17:54	
2.883	155.595	55.2	17:56	
2.917	155.640	55.0	17:58	

END OF DATA.
(GAUGE TAPE STORAGE FULL).

PRESSURE

Scale: 1 inch = 25 BARS

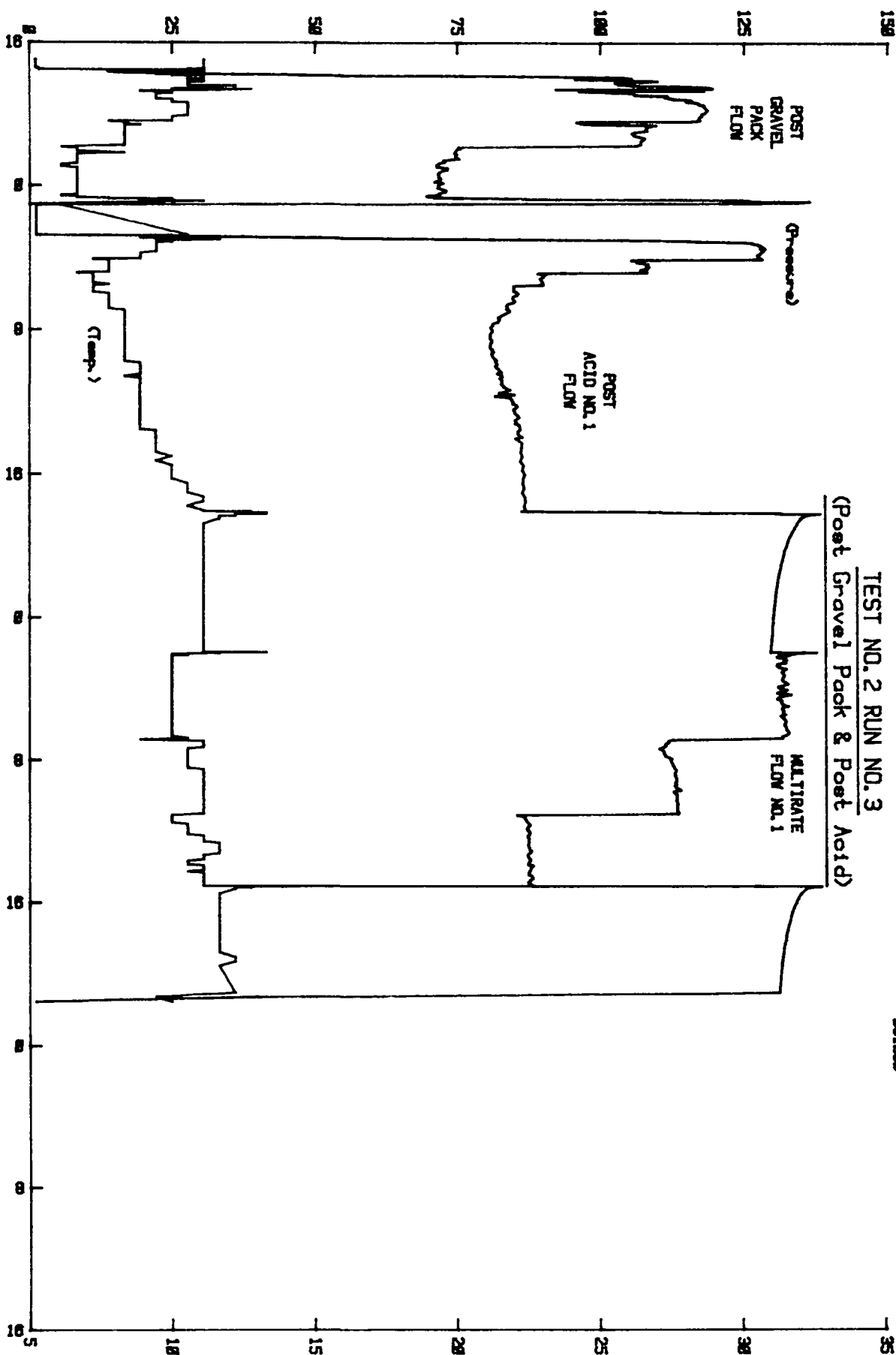
STATOIL
WELL NO. 31/3-1
TROLL

NL Sperry-Sun, Inc. PRESSURE/TEMP. Vs TIME PLOT

TEST NO. 2 RUN NO. 3

(Post Gravel Pack & Post Acid)

02 OCTOBER 1983
MR-6 UPSTREAM CHOKE
061238



TEMPERATURE

Scale: 1 inch = 5 (deg. C)

REAL TIME

Scale: 1 inch = 8 hours

0/22/83

SPERRY-SUN INTERNATIONAL
MR-SIX PRESSURE GAUGE REPORT

PAGE: 1

STATOIL
TROLL
31/3-1OFFSHORE NORWAY
01 OCTOBER 1983
NR-XS-30179

DST 2, RUN 3. UPSTREAM CHOKE DATA. (POST GRAVEL PACK FLOW PERIOD).

DELTA TIME HOURS	ABS PRESSURE (BARS)	TEMP. DEG C	TIME
-0.550	1.069	11.1	17: 0: 0
-0.117	1.069	11.1	17:26: 0
-0.113	1.069	11.1	17:26:15
-0.108	1.069	11.1	17:26:30
-0.104	1.276	11.1	17:26:45
-0.100	1.345	11.1	17:27: 0
-0.096	1.345	11.1	17:27:15
-0.092	1.345	11.1	17:27:30
-0.087	1.552	11.1	17:27:45
-0.083	1.483	11.1	17:28: 0
-0.079	1.483	11.1	17:28:15
-0.075	1.483	11.1	17:28:30
-0.071	1.621	11.1	17:28:45
-0.067	1.552	11.1	17:29: 0
-0.062	1.552	11.1	17:29:15
-0.058	1.552	11.1	17:29:30
-0.054	1.621	11.1	17:29:45
-0.050	1.621	11.1	17:30: 0
-0.046	1.621	11.1	17:30:15
-0.042	1.621	10.6	17:30:30
-0.038	1.621	10.6	17:30:45
-0.033	1.689	10.6	17:31: 0
-0.029	1.689	11.1	17:31:15
-0.025	1.689	11.1	17:31:30
-0.021	1.827	10.6	17:31:45
-0.017	26.993	11.1	17:32: 0
-0.012	29.544	11.1	17:32:15
-0.008	29.889	11.1	17:32:30
-0.004	29.889	11.1	17:32:45
0.000	29.889	10.6	17:33: 0
0.004	29.200	11.1	17:33:15
0.008	29.475	11.1	17:33:30
0.012	29.475	11.1	17:33:45
0.017	29.544	10.6	17:34: 0
0.021	29.544	11.1	17:34:15
0.025	29.544	11.1	17:34:30
0.029	29.544	11.1	17:34:45
0.033	29.613	11.1	17:35: 0
0.042	29.613	11.1	17:35:30
0.050	29.544	11.1	17:36: 0
0.058	22.167	10.6	17:36:30
0.067	14.996	10.6	17:37: 0
0.075	13.755	11.1	17:37:30
0.083	13.962	11.1	17:38: 0
0.092	14.100	10.6	17:38:30
0.100	14.169	10.0	17:39: 0
0.108	14.583	10.0	17:39:30
0.117	14.927	10.0	17:40: 0
0.125	15.824	10.0	17:40:30
0.133	16.651	9.4	17:41: 0

2/10/83

OPEN PCT VALVE.

WELL OPENED ON 08/64"
ADJ. CHOKE.INCREASE TO 24/64"
ADJ. CHOKE.

0/22/83

SPERRY-SUN INTERNATIONAL
MR-SIX PRESSURE GAUGE REPORT

PAGE: 2

STATOIL
TROLL
31/3-1OFFSHORE NORWAY
01 OCTOBER 1983
NR-XS-30179

DST 2, RUN 3. UPSTREAM CHOKE DATA. (POST GRAVEL PACK FLOW PERIOD).

DELTA TIME HOURS	ABS PRESSURE (BARS)	TEMP. DEG C	TIME
0.142	17.547	9.4	17:41:30
0.150	18.651	9.4	17:42: 0
0.158	19.892	9.4	17:42:30
0.167	21.133	9.4	17:43: 0
0.175	22.512	9.4	17:43:30
0.183	23.960	9.4	17:44: 0
0.192	25.476	9.4	17:44:30
0.200	27.131	9.4	17:45: 0
0.208	28.855	9.4	17:45:30
0.217	30.785	9.4	17:46: 0
0.225	33.061	9.4	17:46:30
0.233	35.543	9.4	17:47: 0
0.242	38.301	9.4	17:47:30
0.250	41.265	9.4	17:48: 0
0.258	44.299	10.0	17:48:30
0.267	47.540	10.0	17:49: 0
0.275	47.746	10.0	17:49:30
0.283	54.159	10.0	17:50: 0
0.292	58.020	10.0	17:50:30
0.300	62.432	10.6	17:51: 0
0.308	69.810	11.1	17:51:30
0.317	75.601	11.1	17:52: 0
0.325	81.324	11.1	17:52:30
0.333	86.426	11.1	17:53: 0
0.342	90.839	11.1	17:53:30
0.350	94.976	11.1	17:54: 0
0.358	97.733	11.1	17:54:30
0.367	99.595	11.1	17:55: 0
0.375	101.181	11.1	17:55:30
0.383	102.215	11.1	17:56: 0
0.392	103.249	11.1	17:56:30
0.400	103.870	11.1	17:57: 0
0.408	104.146	11.1	17:57:30
0.417	104.490	11.1	17:58: 0
0.425	104.835	11.1	17:58:30
0.433	105.111	11.1	17:59: 0
0.442	105.387	11.1	17:59:30
0.467	104.146	11.1	18: 1: 0
0.483	95.596	10.6	18: 2: 0
0.500	98.147	10.6	18: 3: 0
0.517	101.388	10.6	18: 4: 0
0.533	103.042	10.6	18: 5: 0
0.550	103.318	10.6	18: 6: 0
0.567	106.490	11.1	18: 7: 0
0.583	108.627	11.1	18: 8: 0
0.600	109.937	11.1	18: 9: 0
0.617	108.834	10.6	18:10: 0
0.633	108.076	10.6	18:11: 0
0.650	107.524	10.6	18:12: 0
0.667	106.076	11.1	18:13: 0

2/10/83

BYPASS SURGE TANK.

GAS TO SURFACE.

INCREASE TO 28/64"
ADJ. CHOKE.INCREASE TO 32/64"
ADJ. CHOKE.

STATOIL
TROLL
31/3-1

OFFSHORE NORWAY
01 OCTOBER 1983
NR-XS-30179

DST 2, RUN 3. UPSTREAM CHOKE DATA. (POST GRAVEL PACK FLOW PERIOD).

DELTA TIME HOURS	ABS PRESSURE (BARS)	TEMP. DEG C	TIME	
0.683	104.008	10.6	18:14: 0	2/10/83
0.700	102.836	10.6	18:15: 0	
0.717	102.629	10.6	18:16: 0	
0.733	103.111	10.6	18:17: 0	
0.750	103.801	10.6	18:18: 0	
0.767	103.042	10.6	18:19: 0	
0.783	103.111	10.6	18:20: 0	
0.800	103.732	10.6	18:21: 0	
0.817	104.628	10.6	18:22: 0	
0.833	105.318	10.6	18:23: 0	
0.850	105.731	10.6	18:24: 0	
0.867	106.766	10.6	18:25: 0	
0.883	112.626	12.2	18:26: 0	
0.900	115.453	12.2	18:27: 0	
0.917	116.901	11.7	18:28: 0	
0.933	117.797	11.7	18:29: 0	
0.950	118.349	11.7	18:30: 0	
0.967	118.762	11.7	18:31: 0	
0.983	119.038	11.7	18:32: 0	
1.000	119.245	11.7	18:33: 0	
1.017	119.521	11.7	18:34: 0	
1.033	118.142	11.1	18:35: 0	
1.050	92.218	10.0	18:36: 0	
1.067	107.455	12.8	18:37: 0	
1.083	112.695	12.2	18:38: 0	
1.117	116.901	11.7	18:40: 0	
1.133	117.590	11.7	18:41: 0	
1.150	118.073	11.1	18:42: 0	
1.167	96.630	8.9	18:43: 0	
1.183	96.354	8.9	18:44: 0	
1.200	98.354	8.9	18:45: 0	
1.217	101.181	9.4	18:46: 0	
1.233	102.077	9.4	18:47: 0	
1.250	103.870	9.4	18:48: 0	
1.267	105.180	9.4	18:49: 0	
1.300	105.800	10.0	18:51: 0	
1.317	105.869	10.0	18:52: 0	
1.333	105.869	9.4	18:53: 0	
1.350	105.938	9.4	18:54: 0	
1.367	105.938	9.4	18:55: 0	
1.383	107.179	9.4	18:56: 0	
1.400	108.903	9.4	18:57: 0	
1.417	110.971	9.4	18:58: 0	
1.433	111.730	9.4	18:59: 0	
1.450	111.730	9.4	19: 0: 0	
1.467	111.316	9.4	19: 1: 0	
1.483	111.247	9.4	19: 2: 0	
1.500	111.454	9.4	19: 3: 0	
1.517	111.799	9.4	19: 4: 0	
1.533	112.006	9.4	19: 5: 0	

WELL SHUT-IN AT CHOKE
DUE TO LEAK.

RE-OPEN CHOKE TO 64/64" &
DIRECT FLOW THRU HEATER
ON 2 X 20/64" CHOKES.
INCREASE TO 128/64"
CHOKE AT MANIFOLD.

STATOIL
TROLL
31/3-1OFFSHORE NORWAY
01 OCTOBER 1983
NR-XS-30179

DST 2, RUN 3. UPSTREAM CHOKE DATA. (POST GRAVEL PACK FLOW PERIOD).

DELTA TIME HOURS	ABS PRESSURE (BARS)	TEMP. DEG C	TIME	
1.550	112.143	9.4	19: 6: 0	2/10/83
1.567	112.488	9.4	19: 7: 0	
1.583	112.695	9.4	19: 8: 0	
1.600	112.833	9.4	19: 9: 0	
1.617	113.936	9.4	19:10: 0	
1.633	114.901	10.0	19:11: 0	
1.650	115.660	10.0	19:12: 0	
1.667	115.936	10.0	19:13: 0	
1.683	115.591	10.0	19:14: 0	
1.700	115.246	10.0	19:15: 0	
1.717	115.039	10.0	19:16: 0	
1.733	115.108	10.0	19:17: 0	
1.750	115.522	10.0	19:18: 0	
1.767	116.211	10.0	19:19: 0	
1.783	116.625	10.0	19:20: 0	
1.800	116.832	10.0	19:21: 0	
1.817	117.039	10.6	19:22: 0	
1.833	117.108	10.6	19:23: 0	
1.850	117.108	10.6	19:24: 0	
1.867	117.246	10.6	19:25: 0	
1.883	117.315	10.6	19:26: 0	
1.900	117.452	10.6	19:27: 0	
1.917	117.728	10.6	19:28: 0	
1.933	117.935	10.6	19:29: 0	
1.950	118.073	10.6	19:30: 0	
2.033	118.211	10.6	19:35: 0	
2.117	118.418	10.6	19:40: 0	
2.200	118.693	10.6	19:45: 0	
2.283	118.556	10.6	19:50: 0	
2.367	118.280	10.6	19:55: 0	
2.450	117.659	10.6	20: 0: 0	
2.533	117.797	10.6	20: 5: 0	
2.617	117.383	10.0	20:10: 0	
2.700	117.246	10.0	20:15: 0	
2.783	117.452	10.0	20:20: 0	
2.817	116.901	10.0	20:22: 0	
2.833	115.660	10.0	20:23: 0	
2.850	103.456	8.3	20:24: 0	
2.867	99.043	7.8	20:25: 0	
2.883	96.699	7.8	20:26: 0	
2.900	95.872	8.3	20:27: 0	
2.917	96.423	8.3	20:28: 0	
2.933	96.561	8.3	20:29: 0	
2.950	96.768	8.3	20:30: 0	
2.967	97.182	8.3	20:31: 0	
2.983	98.561	8.3	20:32: 0	
3.000	100.629	8.3	20:33: 0	
3.017	103.111	8.3	20:34: 0	
3.033	106.559	8.3	20:35: 0	
3.050	109.799	8.9	20:36: 0	

DIRECT FLOW THRU SEPERATOR

INCREASE TO 2 X 32/64"
CHOKES AT HEATER.

STATOIL
TROLL
31/3-1OFFSHORE NORWAY
01 OCTOBER 1983
NR-XS-30179

DST 2, RUN 3. UPSTREAM CHOKE DATA. (POST GRAVEL PACK FLOW PERIOD).

DELTA TIME HOURS	ABS PRESSURE (BARS)	TEMP. DEG C	TIME	
3.067	108.903	8.3	20:37: 0	2/10/83
3.083	108.972	8.3	20:38: 0	
3.100	108.627	8.3	20:39: 0	
3.117	108.282	8.3	20:40: 0	
3.200	108.213	8.3	20:45: 0	
3.283	108.007	8.3	20:50: 0	
3.367	108.213	8.3	20:55: 0	
3.450	106.214	8.3	21: 0: 0	
3.517	105.593	8.3	21: 4: 0	
3.617	105.869	8.3	21:10: 0	
3.700	106.835	8.3	21:15: 0	
3.783	107.869	8.3	21:20: 0	
3.867	107.662	8.3	21:25: 0	
3.950	107.179	8.3	21:30: 0	
4.033	107.110	8.3	21:35: 0	
4.117	107.110	8.3	21:40: 0	
4.200	106.490	8.3	21:45: 0	
4.283	75.188	6.1	21:50: 0	INCREASE TO 2 X 48/64" CHOKES AT HEATER.
4.367	75.532	6.7	21:55: 0	
4.450	74.912	6.7	22: 0: 0	
4.533	74.705	6.7	22: 5: 0	
4.617	74.567	8.3	22:10: 0	
4.700	74.912	6.7	22:15: 0	
4.783	74.774	6.7	22:20: 0	
4.867	74.843	6.7	22:25: 0	
4.950	75.325	6.7	22:30: 0	INCREASE TO 2 X 64/64" CHOKES AT HEATER.
5.033	72.568	6.7	22:35: 0	
5.117	72.705	6.7	22:40: 0	
5.200	71.740	6.7	22:45: 0	
5.283	71.395	6.1	22:50: 0	
5.367	71.395	6.1	22:55: 0	
5.450	73.257	6.7	23: 0: 0	
5.533	73.188	6.7	23: 5: 0	
5.617	72.292	6.7	23:10: 0	
5.700	71.878	6.7	23:15: 0	
5.783	71.602	6.7	23:20: 0	
5.867	71.740	6.7	23:25: 0	
5.950	71.602	6.7	23:30: 0	
6.033	72.016	6.7	23:35: 0	
6.117	72.016	6.7	23:40: 0	
6.200	70.982	6.7	23:45: 0	
6.283	72.499	6.7	23:50: 0	
6.367	71.878	6.7	23:55: 0	
6.450	71.602	6.7	0: 0: 0	3/10/83
6.533	71.533	6.7	0: 5: 0	
6.617	72.223	6.7	0:10: 0	
6.700	73.050	6.7	0:15: 0	
6.783	72.912	6.7	0:20: 0	
6.867	71.740	6.7	0:25: 0	
6.933	71.740	6.7	0:29: 0	

10/22/83

SPERRY-SUN INTERNATIONAL
MR-SIX PRESSURE GAUGE REPORT

PAGE: 6

STATOIL
TROLL
31/3-1

OFFSHORE NORWAY
01 OCTOBER 1983
NR-XS-30179

DST 2, RUN 3. UPSTREAM CHOKE DATA. (POST GRAVEL PACK FLOW PERIOD).

DELTA TIME HOURS	ABS PRESSURE (BARS)	TEMP. DEG C	TIME	
6.950	71.809	6.7	0:30: 0	3/10/83
6.967	71.809	6.7	0:31: 0	BYPASS SEPERATOR.
6.983	70.361	6.1	0:32: 0	
7.000	69.879	6.1	0:33: 0	
7.017	69.672	6.1	0:34: 0	
7.033	69.741	6.1	0:35: 0	DECREASE TO 2 X 48/64"
7.050	70.292	6.7	0:36: 0	CHOKES AT HEATER.
7.067	70.775	6.7	0:37: 0	
7.083	70.913	6.7	0:38: 0	
7.100	71.189	6.7	0:39: 0	DECREASE TO 2 X 32/64"
7.117	74.705	6.7	0:40: 0	CHOKES AT HEATER.
7.133	83.599	7.8	0:41: 0	
7.150	86.978	7.8	0:42: 0	
7.167	88.357	7.8	0:43: 0	DECREASE TO 2 X 20/64"
7.183	113.867	10.0	0:44: 0	CHOKES AT HEATER.
7.200	122.210	10.0	0:45: 0	
7.217	124.830	10.0	0:46: 0	
7.233	125.726	9.4	0:47: 0	
7.250	126.071	9.4	0:48: 0	
7.267	126.278	8.9	0:49: 0	
7.283	126.622	8.9	0:50: 0	END OF FLOW PERIOD.

10/22/83

SPERRY-SUN INTERNATIONAL
MR-SIX PRESSURE GAUGE REPORT

PAGE: 1

STATOIL
TROLL
31/3-1

OFFSHORE NORWAY
01 OCTOBER 1983
NR-XS-30179

DST 2, RUN 3. UPSTREAM CHOKE DATA. (ACID JOB NO.1).

DELTA TIME HOURS	ABS PRESSURE (BARS)	TEMP. DEG C	TIME	
0.000	126.622	8.9	0:50: 0	3/10/83 CLOSE CHOKE MANIFOLD.
0.017	136.758	11.1	0:51: 0	CLOSE PCT VALVE.
0.033	135.517	10.0	0:52: 0	COMMENCE STIMULATION
0.050	135.034	9.4	0:53: 0	PROCEDURE.
0.067	134.758	9.4	0:54: 0	
0.100	127.795	8.3	0:56: 0	
0.117	110.696	7.8	0:57: 0	
0.133	98.285	7.2	0:58: 0	
0.150	87.116	6.7	0:59: 0	
0.167	76.498	6.7	1: 0: 0	
0.183	40.024	3.9	1: 1: 0	
0.200	13.617	4.4	1: 2: 0	
0.217	4.930	5.6	1: 3: 0	
0.233	2.034	5.6	1: 4: 0	
0.250	1.069	6.1	1: 5: 0	
1.917	1.069	10.6	2:45: 0	END OF STIMULATION
1.925	1.069	10.6	2:45:30	PROCEDURE.

10/22/83

SPERRY-SUN INTERNATIONAL
MR-SIX PRESSURE GAUGE REPORT

PAGE: 1

STATOIL
TROLL
31/3-1OFFSHORE NORWAY
01 OCTOBER 1983
NR-XS-30179

DST 2, RUN 3. UPSTREAM CHOKE DATA. (POST ACID NO.1 FLOW).

DELTA TIME HOURS	ABS PRESSURE (BARS)	TEMP. DEG C	TIME	
-0.025	1.069	10.6	2:45:30	3/10/83
-0.017	10.446	10.6	2:46: 0	
-0.008	24.925	10.6	2:46:30	OPEN PCT VALVE.
0.000	20.581	10.6	2:47: 0	WELL OPENED ON 24/64"
0.008	20.167	10.6	2:47:30	ADJ. CHOKE.
0.017	21.753	10.6	2:48: 0	
0.025	22.305	10.0	2:48:30	
0.033	24.097	10.0	2:49: 0	
0.042	26.097	9.4	2:49:30	
0.050	28.648	9.4	2:50: 0	
0.058	31.406	8.9	2:50:30	
0.067	34.233	8.9	2:51: 0	
0.075	37.197	8.9	2:51:30	
0.083	40.438	8.9	2:52: 0	
0.092	43.747	8.9	2:52:30	
0.100	47.195	8.9	2:53: 0	
0.108	50.711	8.9	2:53:30	
0.117	54.641	8.9	2:54: 0	
0.125	58.709	9.4	2:54:30	
0.133	62.846	9.4	2:55: 0	
0.142	67.052	9.4	2:55:30	
0.150	71.533	10.0	2:56: 0	
0.158	76.222	10.0	2:56:30	
0.167	80.979	10.6	2:57: 0	
0.175	85.943	10.6	2:57:30	
0.183	91.321	10.6	2:58: 0	
0.192	94.079	11.1	2:58:30	
0.200	101.181	11.7	2:59: 0	
0.208	103.870	11.7	2:59:30	
0.233	113.591	10.6	3: 1: 0	
0.250	115.591	10.0	3: 2: 0	
0.267	116.970	10.0	3: 3: 0	
0.283	118.762	9.4	3: 4: 0	DIRECT FLOW THRU HEATER
0.300	122.348	9.4	3: 5: 0	ON 2 X 20/64" CHOKES.
0.317	125.588	10.0	3: 6: 0	CHOKE MANIFOLD FULLY OPEN.
0.333	125.933	10.0	3: 7: 0	
0.350	126.278	9.4	3: 8: 0	
0.367	126.622	9.4	3: 9: 0	
0.383	126.622	9.4	3:10: 0	
0.400	126.829	9.4	3:11: 0	
0.417	127.243	9.4	3:12: 0	
0.433	127.588	9.4	3:13: 0	
0.450	127.657	9.4	3:14: 0	
0.467	127.864	9.4	3:15: 0	
0.483	127.932	9.4	3:16: 0	
0.500	128.070	9.4	3:17: 0	
0.517	128.139	9.4	3:18: 0	
0.533	128.208	9.4	3:19: 0	
0.550	128.277	9.4	3:20: 0	
0.567	128.415	9.4	3:21: 0	

STATOIL
TROLL
31/3-1OFFSHORE NORWAY
01 OCTOBER 1983
NR-XS-30179

DST 2, RUN 3. UPSTREAM CHOKE DATA. (POST ACID NO.1 FLOW).

DELTA TIME HOURS	ABS PRESSURE (BARS)	TEMP. DEG C	TIME	
0.583	128.346	9.4	3:22: 0	3/10/83
0.600	128.277	9.4	3:23: 0	
0.617	128.208	9.4	3:24: 0	
0.633	128.691	9.4	3:25: 0	
0.650	128.760	9.4	3:26: 0	
0.667	128.070	9.4	3:27: 0	
0.683	128.277	9.4	3:28: 0	
0.700	128.967	9.4	3:29: 0	
0.717	128.760	9.4	3:30: 0	
0.800	128.691	9.4	3:35: 0	
0.883	128.346	9.4	3:40: 0	
0.967	128.070	8.9	3:45: 0	
1.050	127.657	8.9	3:50: 0	
1.133	127.795	8.9	3:55: 0	
1.217	128.070	8.9	4: 0: 0	
1.267	128.484	8.9	4: 3: 0	
1.283	122.899	8.3	4: 4: 0	
1.300	110.006	7.2	4: 5: 0	
1.317	107.317	7.2	4: 6: 0	
1.333	105.869	7.2	4: 7: 0	
1.350	105.662	7.8	4: 8: 0	
1.367	106.352	7.8	4: 9: 0	
1.383	107.110	7.8	4:10: 0	
1.400	106.903	7.8	4:11: 0	
1.417	106.628	7.8	4:12: 0	
1.433	106.559	7.8	4:13: 0	
1.450	106.628	7.8	4:14: 0	
1.467	106.972	7.8	4:15: 0	
1.550	108.558	7.8	4:20: 0	
1.633	108.282	7.8	4:25: 0	
1.717	108.627	7.8	4:30: 0	
1.800	108.420	7.8	4:35: 0	
1.883	107.110	7.8	4:40: 0	
1.967	108.282	7.8	4:45: 0	
2.017	108.351	7.8	4:48: 0	
2.033	106.559	7.8	4:49: 0	
2.050	94.079	6.7	4:50: 0	
2.067	90.701	6.7	4:51: 0	
2.083	89.391	6.7	4:52: 0	
2.100	89.184	7.2	4:53: 0	
2.117	90.425	7.2	4:54: 0	
2.133	90.632	7.2	4:55: 0	
2.150	90.494	7.2	4:56: 0	
2.167	90.218	7.2	4:57: 0	
2.183	90.080	7.2	4:58: 0	
2.200	90.080	7.2	4:59: 0	
2.217	90.149	7.2	5: 0: 0	
2.300	90.080	7.2	5: 5: 0	
2.383	89.598	7.2	5:10: 0	
2.467	89.736	7.2	5:15: 0	

DIRECT FLOW THRU SEPERATOR

INCREASE TO 2 X 32/64"
CHOKES AT HEATER.

INCREASE TO 2 X 48/64"
CHOKES AT HEATER.

10/22/83

SPERRY-SUN INTERNATIONAL
MR-SIX PRESSURE GAUGE REPORT

PAGE: 3

STATOIL
TROLL
31/3-1

OFFSHORE NORWAY
01 OCTOBER 1983
NR-XS-30179

DST 2, RUN 3. UPSTREAM CHOKE DATA. (POST ACID NO.1 FLOW).

DELTA TIME HOURS	ABS PRESSURE (BARS)	TEMP. DEG C	TIME	
2.550	90.011	7.2	5:20: 0	3/10/83
2.633	89.942	7.2	5:25: 0	
2.717	90.149	7.8	5:30: 0	
2.800	84.909	7.2	5:35: 0	
2.883	84.978	7.2	5:40: 0	
2.950	84.909	7.2	5:44: 0	
3.050	84.909	7.2	5:50: 0	
3.133	85.461	7.2	5:55: 0	
3.217	85.737	7.8	6: 0: 0	
3.300	85.461	7.8	6: 5: 0	
3.383	84.840	7.8	6:10: 0	
3.467	84.771	7.8	6:15: 0	
3.550	84.909	7.8	6:20: 0	
3.633	85.116	7.8	6:25: 0	
3.717	84.771	7.8	6:30: 0	
3.800	83.875	7.8	6:35: 0	
3.883	83.668	7.8	6:40: 0	
3.967	83.875	7.8	6:45: 0	
4.050	83.668	7.8	6:50: 0	
4.133	84.220	8.3	6:55: 0	
4.217	84.220	8.3	7: 0: 0	
4.300	83.599	8.3	7: 5: 0	
4.383	83.117	8.3	7:10: 0	
4.467	82.634	8.3	7:15: 0	
4.550	82.151	8.3	7:20: 0	
4.633	82.427	8.3	7:25: 0	
4.717	82.358	8.3	7:30: 0	
4.800	82.082	8.3	7:35: 0	
4.883	81.255	8.3	7:40: 0	
4.967	81.255	8.3	7:45: 0	
5.050	80.979	8.3	7:50: 0	
5.133	80.979	8.3	7:55: 0	
5.217	81.186	8.3	8: 0: 0	
5.300	81.186	8.3	8: 5: 0	
5.383	80.979	8.3	8:10: 0	
5.467	80.841	8.3	8:15: 0	
5.550	80.841	8.3	8:20: 0	
5.633	80.841	8.3	8:25: 0	
5.717	80.841	8.3	8:30: 0	
5.800	81.117	8.3	8:35: 0	
5.883	81.117	8.3	8:40: 0	
5.967	80.910	8.3	8:45: 0	
6.050	80.841	8.3	8:50: 0	
6.133	80.841	8.3	8:55: 0	
6.217	80.841	8.3	9: 0: 0	
6.300	81.255	8.3	9: 5: 0	
6.383	81.117	8.3	9:10: 0	
6.467	81.393	8.3	9:15: 0	
6.550	81.117	8.3	9:20: 0	
6.633	81.186	8.3	9:25: 0	

INCREASE TO 2 X 64/64"
CHOKES AT HEATER.

10/22/83

SPERRY-SUN INTERNATIONAL
MR-SIX PRESSURE GAUGE REPORT

PAGE: 4

STATOIL
TROLL
31/3-1

OFFSHORE NORWAY
01 OCTOBER 1983
NR-XS-30179

DST 2, RUN 3. UPSTREAM CHOKE DATA. (POST ACID NO.1 FLOW).

DELTA TIME HOURS	ABS PRESSURE (BARS)	TEMP. DEG C	TIME	
6.717	81.324	8.3	9:30: 0	3/10/83
6.800	81.531	8.3	9:35: 0	
6.883	81.944	8.3	9:40: 0	
6.967	81.807	8.3	9:45: 0	
7.050	81.944	8.9	9:50: 0	
7.133	82.013	8.9	9:55: 0	
7.217	81.807	8.9	10: 0: 0	
7.300	81.944	8.9	10: 5: 0	
7.383	82.289	8.9	10:10: 0	
7.467	82.496	8.9	10:15: 0	
7.550	82.772	8.9	10:20: 0	
7.633	82.082	8.9	10:25: 0	
7.717	82.841	8.9	10:30: 0	
7.800	82.979	8.3	10:35: 0	
7.883	82.565	8.9	10:40: 0	
7.967	82.841	8.9	10:45: 0	
8.050	82.910	8.9	10:50: 0	
8.133	82.910	8.9	10:55: 0	
8.217	82.841	8.9	11: 0: 0	
8.300	83.254	8.9	11: 5: 0	
8.383	83.323	8.9	11:10: 0	
8.467	83.875	8.9	11:15: 0	
8.550	84.427	8.9	11:20: 0	
8.633	83.599	8.9	11:25: 0	
8.717	82.496	8.9	11:30: 0	
8.800	85.185	8.9	11:35: 0	
8.883	81.807	8.9	11:40: 0	
8.967	84.358	8.9	11:45: 0	
9.050	84.702	8.9	11:50: 0	
9.133	84.771	8.9	11:55: 0	
9.217	84.978	8.9	12: 0: 0	
9.300	84.909	8.9	12: 5: 0	
9.383	85.530	8.9	12:10: 0	
9.467	85.668	8.9	12:15: 0	
9.550	85.392	8.9	12:20: 0	
9.633	85.047	8.9	12:25: 0	
9.717	85.185	8.9	12:30: 0	
9.800	85.254	8.9	12:35: 0	
9.883	85.530	8.9	12:40: 0	
9.967	85.806	8.9	12:45: 0	
10.050	85.943	8.9	12:50: 0	
10.133	85.599	8.9	12:55: 0	
10.217	85.323	8.9	13: 0: 0	
10.300	85.530	8.9	13: 5: 0	
10.383	85.323	8.9	13:10: 0	
10.467	86.081	8.9	13:15: 0	
10.717	86.150	8.9	13:30: 0	
10.800	85.874	9.4	13:35: 0	
10.883	85.806	9.4	13:40: 0	
10.967	85.806	9.4	13:45: 0	

10/22/83

SPERRY-SUN INTERNATIONAL
MR-SIX PRESSURE GAUGE REPORT

PAGE: 5

STATOIL
TROLL
31/3-1

OFFSHORE NORWAY
01 OCTOBER 1983
NR-XS-30179

DST 2, RUN 3. UPSTREAM CHOKE DATA. (POST ACID NO.1 FLOW).

DELTA TIME HOURS	ABS PRESSURE (BARS)	TEMP. DEG C	TIME	
11.050	86.150	9.4	13:50: 0	3/10/83
11.133	86.564	9.4	13:55: 0	
11.217	85.392	9.4	14: 0: 0	
11.467	86.495	9.4	14:15: 0	
11.717	86.426	9.4	14:30: 0	
11.967	86.288	9.4	14:45: 0	
12.217	86.564	10.0	15: 0: 0	
12.467	86.219	9.4	15:15: 0	
12.717	86.771	10.0	15:30: 0	
12.967	86.564	10.0	15:45: 0	
13.217	86.978	10.0	16: 0: 0	
13.467	86.702	10.0	16:15: 0	
13.717	86.633	10.6	16:30: 0	
13.967	86.909	10.6	16:45: 0	
14.217	86.564	10.6	17: 0: 0	
14.467	87.047	11.1	17:15: 0	
14.717	87.116	11.1	17:30: 0	
14.967	86.909	10.6	17:45: 0	
15.217	87.184	11.1	18: 0: 0	BYPASS SEPERATOR.
15.225	87.184	11.1	18: 0:30	
15.233	86.840	11.1	18: 1: 0	
15.242	86.495	11.1	18: 1:30	
15.250	86.978	11.1	18: 2: 0	DECREASE TO 2 X 32/64"
15.258	88.563	11.1	18: 2:30	CHOKES AT HEATER.
15.267	93.390	11.7	18: 3: 0	
15.275	104.215	12.8	18: 3:30	
15.283	108.834	12.8	18: 4: 0	
15.292	110.627	12.8	18: 4:30	
15.300	111.454	12.8	18: 5: 0	
15.308	111.661	12.2	18: 5:30	
15.317	111.868	12.2	18: 6: 0	
15.325	111.937	12.2	18: 6:30	
15.333	119.452	13.3	18: 7: 0	DECREASE TO 2 X 20/64"
15.342	128.553	13.3	18: 7:30	CHOKES AT HEATER.
15.350	130.966	13.3	18: 8: 0	
15.358	131.587	12.8	18: 8:30	
15.367	131.794	12.8	18: 9: 0	
15.375	131.931	12.8	18: 9:30	
15.383	132.000	12.2	18:10: 0	
15.392	132.138	12.2	18:10:30	END OF FLOW PERIOD.

10/22/83

SPERRY-SUN INTERNATIONAL
MR-SIX PRESSURE GAUGE REPORT

PAGE: 1

STATOIL
TROLL
31/3-1

OFFSHORE NORWAY
01 OCTOBER 1983
NR-XS-30179

DST 2, RUN 3. UPSTREAM CHOKE DATA. (POST ACID NO.1 BUILD-UP).

DELTA TIME HOURS	ABS PRESSURE (BARS)	TEMP. DEG C	TIME	
-0.008	132.138	12.2	18:10:30	3/10/83
0.000	138.275	12.8	18:11: 0	CLOSE CHOKE MANIFOLD.
0.008	138.688	13.3	18:11:30	
0.017	137.861	12.8	18:12: 0	CLOSE PCT VALVE.
0.025	137.378	12.2	18:12:30	
0.033	137.034	12.2	18:13: 0	
0.042	136.827	12.2	18:13:30	
0.050	136.620	12.2	18:14: 0	
0.058	136.482	12.2	18:14:30	
0.067	136.344	12.2	18:15: 0	
0.075	136.275	12.2	18:15:30	
0.083	136.206	12.2	18:16: 0	
0.092	136.137	12.2	18:16:30	
0.100	136.068	12.2	18:17: 0	
0.108	135.999	12.2	18:17:30	
0.117	135.930	12.2	18:18: 0	
0.125	135.861	11.7	18:18:30	
0.133	135.861	11.7	18:19: 0	
0.142	135.792	11.7	18:19:30	
0.150	135.724	11.7	18:20: 0	
0.158	135.724	11.7	18:20:30	
0.167	135.724	11.7	18:21: 0	
0.175	135.724	11.7	18:21:30	
0.183	135.655	11.7	18:22: 0	
0.192	135.586	11.7	18:22:30	
0.200	135.586	11.7	18:23: 0	
0.208	135.586	11.7	18:23:30	
0.217	135.517	11.7	18:24: 0	
0.225	135.448	11.7	18:24:30	
0.233	135.448	11.7	18:25: 0	
0.242	135.448	11.7	18:25:30	
0.250	135.379	11.7	18:26: 0	
0.258	135.379	11.7	18:26:30	
0.267	135.379	11.7	18:27: 0	
0.275	135.310	11.7	18:27:30	
0.283	135.310	11.7	18:28: 0	
0.292	135.310	11.7	18:28:30	
0.300	135.241	11.7	18:29: 0	
0.567	134.689	11.1	18:45: 0	
0.817	134.276	11.1	19: 0: 0	
1.067	133.793	11.1	19:15: 0	
1.317	133.379	11.1	19:30: 0	
1.567	133.035	11.1	19:45: 0	
1.817	132.828	11.1	20: 0: 0	
2.067	132.483	11.1	20:15: 0	
2.317	132.345	11.1	20:30: 0	
2.567	132.138	11.1	20:45: 0	
2.817	131.931	11.1	21: 0: 0	
3.067	131.794	11.1	21:15: 0	
3.317	131.587	11.1	21:30: 0	

10/22/83

SPERRY-SUN INTERNATIONAL
MR-SIX PRESSURE GAUGE REPORT

PAGE: 2

STATOIL
TROLL
31/3-1

OFFSHORE NORWAY
01 OCTOBER 1983
NR-XS-30179

DST 2, RUN 3. UPSTREAM CHOKE DATA. (POST ACID NO.1 BUILD-UP).

DELTA TIME HOURS	ABS PRESSURE (BARS)	TEMP. DEG C	TIME	
3.567	131.449	11.1	21:45: 0	3/10/83
3.817	131.311	11.1	22: 0: 0	
4.067	131.173	11.1	22:15: 0	
4.317	131.035	11.1	22:30: 0	
4.567	130.966	11.1	22:45: 0	
4.817	130.897	11.1	23: 0: 0	
5.067	130.828	11.1	23:15: 0	
5.317	130.690	11.1	23:30: 0	
5.567	130.621	11.1	23:45: 0	
5.817	130.552	11.1	0: 0: 0	4/10/83
6.067	130.552	11.1	0:15: 0	
6.317	130.415	11.1	0:30: 0	
6.567	130.415	11.1	0:45: 0	
6.817	130.346	11.1	1: 0: 0	
7.067	130.277	11.1	1:15: 0	
7.317	130.208	11.1	1:30: 0	
7.567	130.139	11.1	1:45: 0	
7.733	130.070	11.1	1:55: 0	
7.742	130.139	11.1	1:55:30	

END OF BUILD-UP PERIOD.

STATOIL
TROLL
31/3-1OFFSHORE NORWAY
01 OCTOBER 1983
NR-XS-30179

DST 2, RUN 3. UPSTREAM CHOKE DATA. (MULTIRATE FLOW NO.1).

DELTA TIME HOURS	ABS PRESSURE (BARS)	TEMP. DEG C	TIME	
-0.025	130.139	11.1	1:55:30	4/10/83
-0.017	138.068	13.3	1:56: 0	OPEN PCT VALVE.
-0.008	138.137	12.2	1:56:30	
0.000	135.655	11.7	1:57: 0	WELL OPENED ON 28/64"
0.008	135.724	11.7	1:57:30	ADJ. CHOKE.
0.017	134.620	11.7	1:58: 0	
0.025	134.000	11.1	1:58:30	
0.033	134.345	11.1	1:59: 0	
0.042	134.207	11.1	1:59:30	
0.050	133.241	10.6	2: 0: 0	DIRECT FLOW THRU HEATER
0.058	132.690	10.6	2: 0:30	ON 2 X 20/64" CHOKES.
0.067	132.414	10.6	2: 1: 0	
0.075	131.518	10.0	2: 1:30	
0.083	132.345	10.6	2: 2: 0	CHOKE MANIFOLD FULLY OPEN.
0.092	133.517	10.6	2: 2:30	
0.100	133.517	10.6	2: 3: 0	
0.108	133.586	10.6	2: 3:30	
0.117	133.517	10.6	2: 4: 0	
0.125	133.379	10.6	2: 4:30	
0.133	133.241	10.6	2: 5: 0	
0.142	133.035	10.6	2: 5:30	
0.150	132.828	10.6	2: 6: 0	
0.158	132.621	10.0	2: 6:30	
0.167	132.483	10.0	2: 7: 0	
0.175	132.276	10.0	2: 7:30	
0.183	132.069	10.0	2: 8: 0	
0.192	131.794	10.0	2: 8:30	
0.200	131.587	10.0	2: 9: 0	
0.208	131.449	10.0	2: 9:30	
0.217	131.311	10.0	2:10: 0	
0.225	131.242	10.0	2:10:30	
0.233	131.311	10.0	2:11: 0	
0.242	131.449	10.0	2:11:30	
0.250	131.587	10.0	2:12: 0	
0.258	131.794	10.0	2:12:30	
0.267	132.138	10.0	2:13: 0	
0.275	132.276	10.0	2:13:30	
0.283	132.483	10.0	2:14: 0	
0.292	132.552	10.0	2:14:30	
0.300	132.621	10.0	2:15: 0	
0.308	132.621	10.0	2:15:30	
0.317	132.690	10.0	2:16: 0	
0.325	132.690	10.0	2:16:30	
0.333	132.690	10.0	2:17: 0	
0.342	132.759	10.0	2:17:30	
0.350	132.759	10.0	2:18: 0	
0.358	132.759	10.0	2:18:30	
0.367	132.759	10.0	2:19: 0	
0.375	132.828	10.0	2:19:30	
0.467	132.414	10.0	2:25: 0	

STATOIL
TROLL
31/3-1OFFSHORE NORWAY
01 OCTOBER 1983
NR-XS-30179

DST 2; RUN 3. UPSTREAM CHOKE DATA. (MULTIRATE FLOW NO.1).

DELTA TIME HOURS	ABS PRESSURE (BARS)	TEMP. DEG C	TIME	
0.550	132.690	10.0	2:30: 0	4/10/83 DIRECT FLOW THRU SEPERATOR
0.633	131.242	10.0	2:35: 0	
0.717	131.242	10.0	2:40: 0	
0.800	131.656	10.0	2:45: 0	
0.883	132.897	10.0	2:50: 0	
0.967	132.345	10.0	2:55: 0	
1.050	132.069	10.0	3: 0: 0	
1.133	132.276	10.0	3: 5: 0	
1.217	132.483	10.0	3:10: 0	
1.300	132.414	10.0	3:15: 0	
1.383	132.207	10.0	3:20: 0	
1.467	132.138	10.0	3:25: 0	
1.550	132.207	10.0	3:30: 0	
1.633	132.759	10.0	3:35: 0	
1.717	133.104	10.0	3:40: 0	
1.800	132.414	10.0	3:45: 0	
1.883	131.380	10.0	3:50: 0	
1.967	131.862	10.0	3:55: 0	
2.050	133.035	10.0	4: 0: 0	
2.133	132.414	10.0	4: 5: 0	
2.217	131.242	10.0	4:10: 0	
2.300	133.724	10.0	4:15: 0	
2.383	132.414	10.0	4:20: 0	
2.467	131.449	10.0	4:25: 0	
2.550	131.311	10.0	4:30: 0	
2.633	132.069	10.0	4:35: 0	
2.717	132.000	10.0	4:40: 0	
2.800	132.000	10.0	4:45: 0	
2.883	132.345	10.0	4:50: 0	
2.967	133.241	10.0	4:55: 0	
3.050	132.138	10.0	5: 0: 0	
3.133	132.069	10.0	5: 5: 0	
3.217	132.414	10.0	5:10: 0	
3.300	132.276	10.0	5:15: 0	
3.383	132.276	10.0	5:20: 0	
3.467	132.759	10.0	5:25: 0	
3.550	131.862	10.0	5:30: 0	
3.633	132.207	10.0	5:35: 0	
3.717	132.483	10.0	5:40: 0	
3.800	132.690	10.0	5:45: 0	
3.883	132.759	10.0	5:50: 0	
3.967	132.621	10.0	5:55: 0	
4.050	132.552	10.0	6: 0: 0	
4.133	132.759	10.0	6: 5: 0	
4.217	132.828	10.0	6:10: 0	
4.300	132.897	10.0	6:15: 0	
4.383	133.104	10.0	6:20: 0	
4.467	133.310	10.0	6:25: 0	
4.550	133.172	10.0	6:30: 0	
4.633	132.897	10.0	6:35: 0	

STATOIL
TROLL
31/3-1OFFSHORE NORWAY
01 OCTOBER 1983
NR-XS-30179

DST 2, RUN 3. UPSTREAM CHOKE DATA. (MULTIRATE FLOW NO.1).

DELTA TIME HOURS	ABS PRESSURE (BARS)	TEMP. DEG C	TIME	
4.717	132.138	10.0	6:40: 0	4/10/83
4.800	132.207	10.6	6:45: 0	INCREASE TO 2 X 32/64" CHOKES AT HEATER.
4.883	113.040	8.9	6:50: 0	
4.967	112.143	11.1	6:55: 0	
5.050	112.212	11.1	7: 0: 0	
5.133	111.661	11.1	7: 5: 0	
5.217	111.799	11.1	7:10: 0	
5.300	111.316	11.1	7:15: 0	
5.383	110.627	10.6	7:20: 0	
5.467	111.247	10.6	7:25: 0	
5.550	111.454	10.6	7:30: 0	
5.633	111.385	10.6	7:35: 0	
5.717	111.523	10.6	7:40: 0	
5.800	111.730	10.6	7:45: 0	
5.883	112.350	10.6	7:50: 0	
5.967	112.764	10.6	7:55: 0	
6.050	112.626	10.6	8: 0: 0	
6.133	112.764	10.6	8: 5: 0	
6.217	112.902	10.6	8:10: 0	
6.300	112.971	10.6	8:15: 0	
6.383	113.178	10.6	8:20: 0	
6.467	113.247	10.6	8:25: 0	
6.550	113.522	11.1	8:30: 0	
6.633	113.522	11.1	8:35: 0	
6.717	113.453	11.1	8:40: 0	
6.800	113.316	11.1	8:45: 0	
6.883	113.385	11.1	8:50: 0	
6.967	113.453	11.1	8:55: 0	
7.050	113.591	11.1	9: 0: 0	
7.133	113.591	11.1	9: 5: 0	
7.217	113.591	11.1	9:10: 0	
7.300	113.385	11.1	9:15: 0	
7.383	113.591	11.1	9:20: 0	
7.467	113.316	11.1	9:25: 0	
7.550	113.591	11.1	9:30: 0	
7.633	113.936	11.1	9:35: 0	
7.717	114.350	11.1	9:40: 0	
7.800	113.109	11.1	9:45: 0	
7.883	113.453	11.1	9:50: 0	
7.967	113.660	11.1	9:55: 0	
8.050	113.729	11.1	10: 0: 0	
8.133	113.729	11.1	10: 5: 0	
8.217	113.660	11.1	10:10: 0	
8.300	113.591	11.1	10:15: 0	
8.383	113.729	11.1	10:20: 0	
8.467	113.867	11.1	10:25: 0	
8.550	113.798	11.1	10:30: 0	
8.633	113.798	11.1	10:35: 0	
8.717	113.798	11.1	10:40: 0	
8.800	113.798	11.1	10:45: 0	

STATOIL
TROLL
31/3-1OFFSHORE NORWAY
01 OCTOBER 1983
NR-XS-30179

DST 2, RUN 3. UPSTREAM CHOKE DATA. (MULTIRATE FLOW NO.1).

DELTA TIME HOURS	ABS PRESSURE (BARS)	TEMP. DEG C	TIME
8.883	113.798	11.1	10:50: 0
8.967	114.005	11.1	10:55: 0
9.050	113.936	11.1	11: 0: 0
9.133	85.668	10.0	11: 5: 0
9.217	86.978	10.0	11:10: 0
9.300	86.978	10.0	11:15: 0
9.383	87.184	10.0	11:20: 0
9.467	87.322	10.0	11:25: 0
9.550	87.598	10.0	11:30: 0
9.633	87.874	10.6	11:35: 0
9.717	87.874	10.6	11:40: 0
9.800	87.529	10.6	11:45: 0
9.883	87.391	10.6	11:50: 0
9.967	87.529	10.6	11:55: 0
10.050	87.805	10.6	12: 0: 0
10.133	87.874	10.6	12: 5: 0
10.217	87.805	10.6	12:10: 0
10.300	87.529	11.1	12:15: 0
10.383	87.529	11.1	12:20: 0
10.467	87.736	11.1	12:25: 0
10.550	87.667	11.1	12:30: 0
10.633	87.736	11.1	12:35: 0
10.717	87.736	11.7	12:40: 0
10.800	87.598	11.7	12:45: 0
10.883	87.667	11.7	12:50: 0
10.967	87.805	11.7	12:55: 0
11.050	87.874	11.7	13: 0: 0
11.133	88.150	11.7	13: 5: 0
11.217	88.012	11.7	13:10: 0
11.300	87.667	11.7	13:15: 0
11.383	87.529	11.1	13:20: 0
11.467	87.598	11.1	13:25: 0
11.550	87.805	11.1	13:30: 0
11.633	88.012	11.1	13:35: 0
11.717	87.874	10.6	13:40: 0
11.800	87.667	10.6	13:45: 0
11.883	87.598	10.6	13:50: 0
11.967	88.494	11.1	13:55: 0
12.050	88.150	11.1	14: 0: 0
12.133	88.012	11.1	14: 5: 0
12.217	87.943	11.1	14:10: 0
12.300	87.805	10.6	14:15: 0
12.383	87.667	11.1	14:20: 0
12.467	87.667	11.1	14:25: 0
12.550	88.150	11.1	14:30: 0
12.633	88.357	11.1	14:35: 0
12.717	88.426	11.1	14:40: 0
12.800	87.943	11.1	14:45: 0
12.883	87.667	11.1	14:50: 0
12.967	87.874	11.1	14:55: 0

4/10/83

INCREASE TO 2 X 64/64"
CHOKES AT HEATER.
INCREASE TO 2 X 128/64"
CHOKES AT HEATER.

10/22/83

SPERRY-SUN INTERNATIONAL
MR-SIX PRESSURE GAUGE REPORT

PAGE: 5

STATOIL
TROLL
31/3-1

OFFSHORE NORWAY
01 OCTOBER 1983
NR-XS-30179

DST 2, RUN 3. UPSTREAM CHOKE DATA. (MULTIRATE FLOW NO.1).

DELTA TIME HOURS	ABS PRESSURE (BARS)	TEMP. DEG C	TIME	
13.050	88.219	11.1	15: 0: 0	4/10/83
13.100	88.357	11.1	15: 3: 0	END OF FLOW PERIOD.

10/22/83

SPERRY-SUN INTERNATIONAL
MR-SIX PRESSURE GAUGE REPORT

PAGE: 1

STATOIL
TROLL
31/3-1

OFFSHORE NORWAY
01 OCTOBER 1983
NR-XS-30179

DST 2, RUN 3. UPSTREAM CHOKE DATA. (MULTIRATE TEST NO.1 BUILD-UP).

DELTA TIME HOURS	ABS PRESSURE (BARS)	TEMP. DEG C	TIME
0.000	88.357	11.1	15: 3: 0
0.008	127.588	22.8	15: 3:30
0.017	139.102	20.6	15: 4: 0
0.025	139.102	15.6	15: 4:30
0.033	139.102	13.9	15: 5: 0
0.042	138.757	13.3	15: 5:30
0.050	138.068	12.8	15: 6: 0
0.058	137.723	12.8	15: 6:30
0.067	137.447	12.8	15: 7: 0
0.075	137.240	12.8	15: 7:30
0.083	137.034	12.8	15: 8: 0
0.092	136.896	12.8	15: 8:30
0.100	136.827	12.8	15: 9: 0
0.108	136.689	12.2	15: 9:30
0.117	136.620	12.2	15:10: 0
0.125	136.551	12.2	15:10:30
0.133	136.482	12.2	15:11: 0
0.142	136.413	12.2	15:11:30
0.150	136.413	12.2	15:12: 0
0.158	136.344	12.2	15:12:30
0.167	136.275	12.2	15:13: 0
0.175	136.275	12.2	15:13:30
0.183	136.275	12.2	15:14: 0
0.450	135.448	11.7	15:30: 0
0.700	134.965	11.7	15:45: 0
0.950	134.620	11.7	16: 0: 0
1.200	134.276	11.7	16:15: 0
1.450	133.931	11.7	16:30: 0
1.700	133.724	11.7	16:45: 0
1.950	133.517	11.7	17: 0: 0
2.200	133.310	11.7	17:15: 0
2.450	133.104	11.7	17:30: 0
2.700	132.897	11.7	17:45: 0
2.950	132.828	11.7	18: 0: 0
3.200	132.621	11.7	18:15: 0
3.450	132.483	11.7	18:30: 0
3.700	132.414	11.7	18:45: 0
3.950	132.276	12.2	19: 0: 0
4.200	132.138	12.2	19:15: 0
4.450	132.069	11.7	19:30: 0
5.950	131.656	12.2	21: 0: 0
6.200	39.955	9.4	21:15: 0
6.450	1.069	10.0	21:30: 0

4/10/83 CLOSE CHOKE MANIFOLD.

CLOSE PCT VALVE.

BLEED OFF TUBING

END OF TEST.