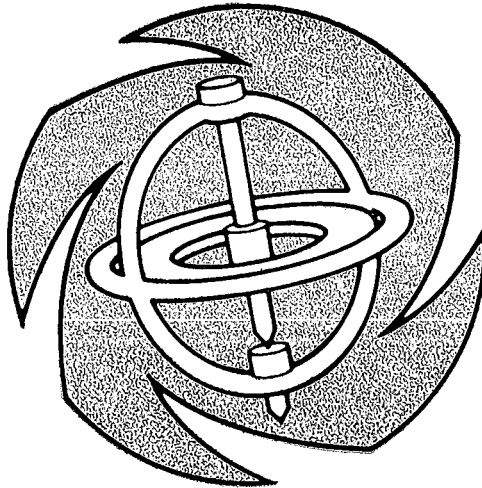


BP004478

sperry-sun international, inc.

TEMPERATURE SURVEY REPORT
FOR
BRITISH PETROLEUM
WELL NO : 7/12-6
DATE : 14 JULY 1981
TEST NO : DST 2



(A Sperry-Sun Company)

Precision Instruments/Professional Service



PRESSURE TEST DATA SUMMARY

COMPANY: BRITISH PETROLEUM DATE: 14 JULY 1981
 FIELD: WILDCAT WELL NO: 7/12-6 JOB NO: MRPG-929-NOR
 FLOW/BUILD-UP
 TEST TYPE: INJECTION TEST NO: DST 2 RUN NO: 1 MAX B.H.T. 290 °F
 PERFORATION INTERVAL: 3434 - 3511 METRES ZONE: ULA FM

	TOP	MIDDLE	BOTTOM
GAUGE TYPE/NO.		MRPG/0136	MRPG/0066
PRESSURE SENSING DEPTH		3433.73 M	3444.46 M
ELEMENT SIZE		12 K	12 K
TIME MODE		8 MIN.	4 MIN.
BATTERY TYPE		SILVER OXIDE	SILVER OXIDE

EVENT	SURFACE TIMES & DATES		TEMP.	°F
GAUGE START TIMES -				
	0147	19:03	14.7.81	
	0136	19:05	14.7.81	
	0066	18:06	14.7.81	
	0115	18:08	14.7.81	
SET PACKER	18:02	15.7.81		273
WELL OPENED ON 28/64" CHOKE	19:35	15.7.81		273
CLOSE APR-N	19:41	15.7.81		273
WELL OPENED ON 32/64" CHOKE	20:45	15.7.81		274
INCREASE TO 36/64" CHOKE	20:56	15.7.81		276
CLOSE APR-N	21:09	15.7.81		279
WELL OPENED ON 36/64" ADJ CHOKE	21:22	15.7.81		279
REDUCE TO 26/64" ADJ CHOKE	21:37	15.7.81		279
CHANGE TO 28/64" POS. CHOKE	21:49	15.7.81		279
FLOWING THROUGH SEPARATOR	22:05	15.7.81		280
CHANGE TO 28/64" ADJ CHOKE	22:25	15.7.81		281
INCREASE TO 36/64" ADJ CHOKE	23:01	15.7.81		281
INCREASE TO 44/64" ADJ CHOKE	23:16	15.7.81		282
INCREASE TO 54/64" ADJ CHOKE	23:39	15.7.81		282
INCREASE TO 64/64" ADJ CHOKE	00:06	16.7.81		284
CHANGE TO 64/64" FIXED CHOKE	00:57	16.7.81		286
CHANGE TO 64/64" ADJ CHOKE	01:13	16.7.81		286
REDUCE TO 36/64" POS. CHOKE	01:32	16.7.81		287

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

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



PRESSURE TEST DATA SUMMARY CONTINUATION SHEET

 COMPANY: BRITISH PETROLEUM

 JOB NO: MRPG-929-NOR

EVENT	SURFACE TIMES & DATES		TEMP.	°F
REDUCE TO 32/64" ADJ CHOKE	01:48	16.7.81		287
CHANGE TO 32/64" POS. CHOKE	01:50	16.7.81		287
CHANGE TO 32/64" ADJ CHOKE	01:59	16.7.81		287
CHANGE TO 32/64" FIXED CHOKE	02:20	16.7.81		287
CLOSE APR-N FOR BUILD-UP	12:00	16.7.81		290
COMMENCE INJECTING DIESEL AT 2 BPM	12:28	17.7.81		287
PUMPING SEAWATER AT 0.5 BPM	14:07	17.7.81		268
INCREASE INJ RATE TO 1.25 BPM	14:22	17.7.81		268
REDUCE INJ RATE TO 0.5 BPM	15:59	17.7.81		259
PUMP STALLED	16:06	17.7.81		259
STOP PUMPING TO BLEED PRESSURE	16:30	17.7.81		259
RESUME PUMPING	16:35	17.7.81		259
STOP PUMPING	16:50	17.7.81		261
RESUME PUMPING AT 0.5 BPM	16:55	17.7.81		261
STOP PUMPING	17:17	17.7.81		263
RESUME PUMPING AT 0.25 BPM	17:25	17.7.81		263
INCREASE INJ RATE TO 0.5 BPM	19:40	17.7.81		265
INCREASE INJ RATE TO 0.8 BPM	20:23	17.7.81		260
INCREASE INJ RATE TO 1.0 BPM	20:42	17.7.81		257
INCREASE INJ RATE TO 1.5 BPM	21:00	17.7.81		253
INCREASE INJ RATE TO 2.0 BPM	21:50	17.7.81		235
INCREASE INJ RATE TO 2.5 BPM	22:15	17.7.81		222
STOP PUMPING (PUMP OVER HEATED)	04:44	18.7.81		136
RESUME PUMPING AT 2.5 BPM	04:48	18.7.81		139
STOP PUMPING	08:15	18.7.81		130
RESUME PUMPING AT 3.5 BPM	08:23	18.7.81		135
INCREASE INJ RATE TO 4.0 BPM	09:00	18.7.81		123
INCREASE INJ RATE TO 5.0 BPM	09:40	18.7.81		113
REDUCE INJ RATE TO 4.0 BPM	10:05	18.7.81		109
INCREASE INJ RATE TO 5.0 BPM	10:18	18.7.81		105
INCREASE INJ RATE TO 5.5 BPM	10:22	18.7.81		104
INCREASE INJ RATE TO 6.0 BPM	10:26	18.7.81		104

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

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



PRESSURE TEST DATA SUMMARY CONTINUATION SHEET

COMPANY: BRITISH PETROLEUMJOB NO: MRPG-929-NOR

EVENT	SURFACE TIMES & DATES		TEMP.	°F
INCREASE INJ RATE TO 6.5 BPM	10:33	18.7.81		102
REDUCE INJ RATE TO 6.1 BPM	10:55	18.7.81		84
CLOSE APR-N FOR FALL-OFF	18:00	18.7.81		-
OPEN APR-N, END OF TEST	12:10	19.7.81		188

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

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

SPERRY-SUN INTERNATIONAL INC.
MAGNETIC RECORDING PRESSURE GAUGE REPORT

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BRITISH PETROLEUM
WILDCAT
7/12-6

OFFSHORE NORWAY
14 JULY 1981
MRPG-929-NOR

DST 2; RUN 1. GAUGE 0066; SENSING DEPTH 3444.46 M.(INITIAL FLOW PERIOD)

DELTA TIME	TEMPERATURE	TIME	DATE	
0.000	272.820	18: 4	15- 7-81	SET PACKER AT 18:02
0.067	272.820	18: 8		(SURFACE TIME)
0.133	272.820	18:12		
0.200	272.115	18:16		
0.267	272.115	18:20		
0.333	272.115	18:24		
0.400	272.115	18:28		
0.467	272.115	18:32		
0.533	272.115	18:36		
0.600	272.115	18:40		
0.667	272.115	18:44		
0.733	272.115	18:48		
0.800	272.115	18:52		
0.867	272.115	18:56		
0.933	272.115	19: 0		
1.000	272.115	19: 4		
1.067	272.115	19: 8		
1.133	272.115	19:12		
1.200	272.115	19:16		
1.267	272.115	19:20		
1.333	272.115	19:24		
1.400	272.115	19:28		
1.467	272.115	19:32		
1.533	272.115	19:36		

WELL OPENED ON 28/64" CHOKE
END OF FLOW PERIOD

SPERRY-SUN INTERNATIONAL INC.
MAGNETIC RECORDING PRESSURE GAUGE REPORT

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OFFSHORE NORWAY
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DST 2, RUN 1. GAUGE 0066, SENSING DEPTH 3444.46 M. (INITIAL BUILD-UP PERIOD)

DELTA TIME	TEMPERATURE	TIME	DATE	
0.000	272.115	19:36	15- 7-81	CLOSE APR-N FOR BUILD-UP
0.067	272.115	19:40		AT 19:41 (SURFACE TIME)
0.133	272.820	19:44		
0.200	273.525	19:48		
0.267	274.230	19:52		
0.333	274.230	19:56		
0.400	274.230	20: 0		
0.467	274.230	20: 4		
0.533	274.230	20: 8		
0.600	274.230	20:12		
0.667	274.230	20:16		
0.733	274.230	20:20		
0.800	274.230	20:24		
0.867	274.230	20:28		
0.933	274.230	20:32		
1.000	274.230	20:36		
1.067	274.230	20:40		END OF BUILD-UP PERIOD

SPERRY-SUN INTERNATIONAL INC.
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WILDCAT
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OFFSHORE NORWAY
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DST 2; RUN 1. GAUGE 0066; SENSING DEPTH 3444.46 M. (SECOND FLOW PERIOD)

DELTA TIME	TEMPERATURE	TIME	DATE	
0.000	274.230	20:40	15- 7-81	WELL OPENED ON 32/64" CHOKE
0.067	274.230	20:44		AT 20:45 (SURFACE TIME)
0.133	274.230	20:48		
0.200	274.230	20:52		
0.267	275.640	20:56		INCREASE TO 36/64" CHOKE
0.333	276.345	21: 0		
0.400	277.050	21: 4		
0.467	277.755	21: 8		CLOSE APR-N
0.533	278.460	21:12		
0.600	278.460	21:16		
0.667	278.460	21:20		OPEN APR-N
0.733	278.460	21:24		
0.800	278.460	21:28		
0.867	278.460	21:32		
0.933	278.460	21:36		REDUCE TO 26/64" CHOKE
1.000	278.460	21:40		
1.067	279.165	21:44		
1.133	279.165	21:48		CHANGE TO 28/64" POS. CHOKE
1.200	279.165	21:52		
1.267	279.165	21:56		
1.333	279.165	22: 0		
1.400	279.165	22: 4		
1.467	279.870	22: 8		
1.533	279.870	22:12		
1.600	280.575	22:16		
1.667	280.575	22:20		
1.733	280.575	22:24		CHANGE TO 28/64" ADJ. CHOKE
1.800	280.575	22:28		
1.867	280.575	22:32		
1.933	280.575	22:36		
2.000	281.280	22:40		
2.067	281.280	22:44		
2.133	281.280	22:48		
2.200	281.280	22:52		
2.267	281.280	22:56		
2.333	281.280	23: 0		INCREASE TO 36/64" ADJ. CHOKE
2.400	281.280	23: 4		
2.467	281.280	23: 8		
2.533	281.280	23:12		
2.600	281.280	23:16		INCREASE TO 44/64" ADJ. CHOKE
2.667	281.280	23:20		
2.733	281.280	23:24		
2.800	281.280	23:28		
2.867	281.280	23:32		
2.933	281.985	23:36		
3.000	281.985	23:40		INCREASE TO 54/64" ADJ. CHOKE

BRITISH PETROLEUM
WILDCAT
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OFFSHORE NORWAY
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DST 2, RUN 1. GAUGE 0066, SENSING DEPTH 3444.46 M. (SECOND FLOW PERIOD)

DELTA TIME	TEMPERATURE	TIME	DATE	
3.067	281.985	23:44	15- 7-81	
3.133	281.985	23:48		
3.200	282.690	23:52		
3.267	282.690	23:56		
3.333	282.690	0: 0	16- 7-81	
3.400	282.690	0: 4		INCREASE TO 64/64" ADJ. CHOKE
3.467	282.690	0: 8		
3.533	282.690	0:12		
3.600	283.395	0:16		
3.667	283.395	0:20		
3.733	283.395	0:24		
3.800	283.395	0:28		
3.867	283.395	0:32		
3.933	284.100	0:36		
4.000	284.100	0:40		
4.067	284.100	0:44		
4.133	284.100	0:48		
4.200	284.100	0:52		
4.267	284.805	0:56		CHANGE TO 64/64" FIXED CHOKE
4.333	284.805	1: 0		
4.400	284.805	1: 4		
4.467	284.805	1: 8		
4.533	284.805	1:12		CHANGE TO 64/64" ADJ. CHOKE
4.600	285.510	1:16		
4.667	285.510	1:20		
4.733	285.510	1:24		
4.800	285.510	1:28		
4.867	285.510	1:32		REDUCE TO 36/64" POS. CHOKE
4.933	285.510	1:36		
5.000	285.510	1:40		
5.067	285.510	1:44		
5.133	286.215	1:48		REDUCE TO 32/64" ADJ. CHOKE
5.200	286.215	1:52		CHANGE TO 32/64" POS. CHOKE
5.267	286.215	1:56		
5.333	286.215	2: 0		CHANGE TO 32/64" ADJ. CHOKE
5.400	286.215	2: 4		
5.467	286.215	2: 8		
5.533	286.215	2:12		
5.600	286.215	2:16		
5.667	286.215	2:20		CHANGE TO 32/64" FIXED CHOKE
5.733	286.215	2:24		
5.800	286.215	2:28		
5.867	286.215	2:32		
5.933	286.215	2:36		
6.000	286.215	2:40		
6.067	286.215	2:44		
6.133	286.215	2:48		

BRITISH PETROLEUM
WILDCAT
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OFFSHORE NORWAY
14 JULY 1981
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DST 2; RUN 1. GAUGE 0066; SENSING DEPTH 3444.46 M. (SECOND FLOW PERIOD)

DELTA TIME	TEMPERATURE	TIME	DATE
6.200	286.215	2:52	16- 7-81
6.267	286.215	2:56	
6.333	286.920	3: 0	
6.400	286.920	3: 4	
6.467	286.920	3: 8	
6.533	286.920	3:12	
6.600	286.920	3:16	
6.667	286.920	3:20	
6.733	286.920	3:24	
6.800	286.920	3:28	
6.867	286.920	3:32	
6.933	286.920	3:36	
7.000	286.920	3:40	
7.067	286.920	3:44	
7.133	286.920	3:48	
7.200	286.920	3:52	
7.267	286.920	3:56	
7.333	286.920	4: 0	
7.400	286.920	4: 4	
7.467	286.920	4: 8	
7.533	286.920	4:12	
7.600	287.625	4:16	
7.667	287.625	4:20	
7.733	287.625	4:24	
7.800	287.625	4:28	
7.867	287.625	4:32	
7.933	287.625	4:36	
8.000	287.625	4:40	
8.067	287.625	4:44	
8.133	287.625	4:48	
8.200	287.625	4:52	
8.267	287.625	4:56	
8.333	287.625	5: 0	
8.400	287.625	5: 4	
8.467	287.625	5: 8	
8.533	287.625	5:12	
8.600	287.625	5:16	
8.667	287.625	5:20	
8.733	287.625	5:24	
8.800	287.625	5:28	
8.867	287.625	5:32	
8.933	287.625	5:36	
9.000	287.625	5:40	
9.067	287.625	5:44	
9.133	287.625	5:48	
9.200	287.625	5:52	
9.267	287.625	5:56	

BRITISH PETROLEUM
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DST 2, RUN 1. GAUGE 0066, SENSING DEPTH 3444.46 M. (SECOND FLOW PERIOD)

DELTA TIME	TEMPERATURE	TIME	DATE
9.333	288.330	6: 0	16- 7-81
9.400	288.330	6: 4	
9.467	288.330	6: 8	
9.533	288.330	6:12	
9.600	288.330	6:16	
9.667	288.330	6:20	
9.733	288.330	6:24	
9.800	288.330	6:28	
9.867	288.330	6:32	
9.933	288.330	6:36	
10.000	288.330	6:40	
10.067	288.330	6:44	
10.133	288.330	6:48	
10.200	288.330	6:52	
10.267	288.330	6:56	
10.333	288.330	7: 0	
10.400	288.330	7: 4	
10.467	288.330	7: 8	
10.533	288.330	7:12	
10.600	288.330	7:16	
10.667	288.330	7:20	
10.733	288.330	7:24	
10.800	288.330	7:28	
10.867	288.330	7:32	
10.933	288.330	7:36	
11.000	288.330	7:40	
11.067	288.330	7:44	
11.133	288.330	7:48	
11.200	288.330	7:52	
11.267	288.330	7:56	
11.333	288.330	8: 0	
11.400	289.035	8: 4	
11.467	288.330	8: 8	
11.533	289.035	8:12	
11.600	289.035	8:16	
11.667	289.035	8:20	
11.733	289.035	8:24	
11.800	289.035	8:28	
11.867	289.035	8:32	
11.933	289.035	8:36	
12.000	289.035	8:40	
12.067	289.035	8:44	
12.133	289.035	8:48	
12.200	289.035	8:52	
12.267	289.035	8:56	
12.333	289.035	9: 0	
12.400	289.035	9: 4	

BRITISH PETROLEUM
WILDCAT
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OFFSHORE NORWAY
14 JULY 1981
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DST 2; RUN 1. GAUGE 0066; SENSING DEPTH 3444.46 M. (SECOND FLOW PERIOD)

DELTA TIME	TEMPERATURE	TIME	DATE
12.467	289.035	9: 8	16- 7-81
12.533	289.035	9:12	
12.600	289.035	9:16	
12.667	289.035	9:20	
12.733	289.035	9:24	
12.800	289.035	9:28	
12.867	289.035	9:32	
12.933	289.035	9:36	
13.000	289.035	9:40	
13.067	289.035	9:44	
13.133	289.035	9:48	
13.267	289.035	9:56	
13.333	289.035	10: 0	
13.400	289.035	10: 4	
13.467	289.035	10: 8	
13.533	289.035	10:12	
13.600	289.035	10:16	
13.667	289.035	10:20	
13.733	289.035	10:24	
13.800	289.035	10:28	
13.867	289.035	10:32	
13.933	289.035	10:36	
14.000	289.035	10:40	
14.067	289.035	10:44	
14.133	289.035	10:48	
14.200	289.035	10:52	
14.267	289.035	10:56	
14.333	289.035	11: 0	
14.400	289.035	11: 4	
14.467	289.035	11: 8	
14.533	289.035	11:12	
14.600	289.035	11:16	
14.667	289.035	11:20	
14.733	289.035	11:24	
14.800	289.035	11:28	
14.867	289.035	11:32	
14.933	289.035	11:36	
15.000	289.035	11:40	
15.067	289.035	11:44	
15.133	289.740	11:48	
15.200	289.740	11:52	
15.267	289.740	11:56	

END OF FLOW PERIOD

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BRITISH PETROLEUM
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7/12-6

OFFSHORE NORWAY
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DST 2, RUN 1. GAUGE 0066, SENSING DEPTH 3444.46 M. (SECOND BUILD-UP PERIOD)

DELTA TIME	TEMPERATURE	TIME	DATE	
0.000	289.740	11:56	16- 7-81	CLOSE APR-N FOR BUILD-UP
0.067	289.740	12: 0		AT 12:00 (SURFACE TIME)
0.133	289.740	12: 4		
0.200	289.740	12: 8		
0.267	289.740	12:12		
0.333	289.740	12:16		
0.400	289.740	12:20		
0.467	289.740	12:24		
0.533	289.035	12:28		
0.600	289.035	12:32		
0.667	289.035	12:36		
0.733	289.035	12:40		
0.800	289.035	12:44		
0.867	289.035	12:48		
0.933	289.035	12:52		
1.000	289.035	12:56		
1.067	289.035	13: 0		
1.133	289.035	13: 4		
1.200	289.035	13: 8		
1.267	289.035	13:12		
1.333	289.035	13:16		
1.400	289.035	13:20		
1.467	289.035	13:24		
1.533	289.035	13:28		
1.600	289.035	13:32		
1.667	289.035	13:36		
1.733	289.035	13:40		
1.800	289.035	13:44		
1.867	289.035	13:48		
1.933	289.035	13:52		
2.000	288.330	13:56		
2.067	288.330	14: 0		
2.133	288.330	14: 4		
2.200	288.330	14: 8		
2.267	288.330	14:12		
2.333	288.330	14:16		
2.400	288.330	14:20		
2.467	288.330	14:24		
2.533	288.330	14:28		
2.600	288.330	14:32		
2.667	288.330	14:36		
2.733	288.330	14:40		
2.800	288.330	14:44		
2.867	288.330	14:48		
2.933	288.330	14:52		
3.000	288.330	14:56		

BRITISH PETROLEUM
WILDCAT
7/12-6

OFFSHORE NORWAY
14 JULY 1981
MRPG-929-NOR

DST 2; RUN 1. GAUGE 0066; SENSING DEPTH 3444.46 M. (SECOND BUILD-UP PERIOD)

DELTA TIME	TEMPERATURE	TIME	DATE
3.067	288.330	15: 0	16- 7-81
3.133	288.330	15: 4	
3.200	288.330	15: 8	
3.267	288.330	15:12	
3.333	288.330	15:16	
3.400	288.330	15:20	
3.467	288.330	15:24	
3.533	288.330	15:28	
3.600	288.330	15:32	
3.667	288.330	15:36	
3.733	288.330	15:40	
3.800	288.330	15:44	
3.867	288.330	15:48	
3.933	288.330	15:52	
4.000	288.330	15:56	
4.067	288.330	16: 0	
4.133	288.330	16: 4	
4.200	288.330	16: 8	
4.267	288.330	16:12	
4.333	288.330	16:16	
4.400	288.330	16:20	
4.467	288.330	16:24	
4.533	288.330	16:28	
4.600	288.330	16:32	
4.667	288.330	16:36	
4.733	288.330	16:40	
4.800	288.330	16:44	
4.867	288.330	16:48	
4.933	288.330	16:52	
5.000	288.330	16:56	
5.067	287.625	17: 0	
5.133	287.625	17: 4	
5.200	287.625	17: 8	
5.267	287.625	17:12	
5.333	287.625	17:16	
5.400	287.625	17:20	
5.467	287.625	17:24	
5.533	287.625	17:28	
5.600	287.625	17:32	
5.667	287.625	17:36	
5.733	287.625	17:40	
5.800	287.625	17:44	
5.867	287.625	17:48	
5.933	287.625	17:52	
6.000	287.625	17:56	
6.067	287.625	18: 0	
6.133	287.625	18: 4	

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DST 2, RUN 1. GAUGE 0066, SENSING DEPTH 3444.46 M. (SECOND BUILD-UP PERIOD)

DELTA TIME	TEMPERATURE	TIME	DATE
6.200	287.625	18: 8	16- 7-81
6.267	287.625	18:12	
6.333	287.625	18:16	
6.400	287.625	18:20	
6.467	287.625	18:24	
6.533	287.625	18:28	
6.600	287.625	18:32	
6.667	287.625	18:36	
6.733	287.625	18:40	
6.800	287.625	18:44	
6.867	287.625	18:48	
6.933	287.625	18:52	
7.000	287.625	18:56	
7.067	287.625	19: 0	
7.133	287.625	19: 4	
7.200	287.625	19: 8	
7.267	287.625	19:12	
7.333	287.625	19:16	
7.400	287.625	19:20	
7.467	287.625	19:24	
7.533	287.625	19:28	
7.600	287.625	19:32	
7.667	287.625	19:36	
7.733	287.625	19:40	
7.800	287.625	19:44	
7.867	287.625	19:48	
7.933	287.625	19:52	
8.000	287.625	19:56	
8.067	287.625	20: 0	
8.133	287.625	20: 4	
8.200	287.625	20: 8	
8.267	287.625	20:12	
8.333	287.625	20:16	
8.400	287.625	20:20	
8.467	287.625	20:24	
8.533	287.625	20:28	
8.600	286.920	20:32	
8.667	287.625	20:36	
8.733	286.920	20:40	
8.800	286.920	20:44	
8.867	286.920	20:48	
8.933	286.920	20:52	
9.000	286.920	20:56	
9.067	286.920	21: 0	
9.133	286.920	21: 4	
9.200	286.920	21: 8	
9.267	286.920	21:12	

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DELTA TIME	TEMPERATURE	TIME	DATE
9.333	286.920	21:16	16- 7-81
9.400	286.920	21:20	
9.467	286.920	21:24	
9.533	286.920	21:28	
9.600	286.920	21:32	
9.667	286.920	21:36	
9.733	286.920	21:40	
9.800	286.920	21:44	
9.867	286.920	21:48	
9.933	286.920	21:52	
10.000	286.920	21:56	
10.067	286.920	22: 0	
10.133	286.920	22: 4	
10.200	286.920	22: 8	
10.267	286.920	22:12	
10.333	286.920	22:16	
10.400	286.920	22:20	
10.467	286.920	22:24	
10.533	286.920	22:28	
10.600	286.920	22:32	
10.667	286.920	22:36	
10.733	286.920	22:40	
10.800	286.920	22:44	
10.867	286.920	22:48	
10.933	286.920	22:52	
11.000	286.920	22:56	
11.067	286.920	23: 0	
11.133	286.920	23: 4	
11.200	286.920	23: 8	
11.267	286.920	23:12	
11.333	286.920	23:16	
11.400	286.920	23:20	
11.467	286.920	23:24	
11.533	286.920	23:28	
11.600	286.920	23:32	
11.667	286.920	23:36	
11.733	286.920	23:40	
11.800	286.920	23:44	
11.867	286.920	23:48	
11.933	286.920	23:52	
12.000	286.920	23:56	
12.067	286.920	0: 0	17- 7-81
12.133	286.920	0: 4	
12.200	286.920	0: 8	
12.267	286.920	0:12	
12.333	286.920	0:16	
12.400	286.920	0:20	

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DELTA TIME	TEMPERATURE	TIME	DATE
12.467	286.920	0:24	17- 7-81
12.533	286.920	0:28	
12.600	286.920	0:32	
12.667	286.920	0:36	
12.733	286.920	0:40	
12.800	286.920	0:44	
12.867	286.920	0:48	
12.933	286.920	0:52	
13.000	286.920	0:56	
13.067	286.920	1: 0	
13.133	286.920	1: 4	
13.200	286.920	1: 8	
13.267	286.920	1:12	
13.333	286.920	1:16	
13.400	286.920	1:20	
13.467	286.920	1:24	
13.533	286.920	1:28	
13.600	286.920	1:32	
13.667	286.920	1:36	
13.733	286.920	1:40	
13.800	286.920	1:44	
13.867	286.920	1:48	
13.933	286.920	1:52	
14.000	286.920	1:56	
14.067	286.920	2: 0	
14.133	286.920	2: 4	
14.200	286.920	2: 8	
14.267	286.920	2:12	
14.333	286.920	2:16	
14.400	286.920	2:20	
14.467	286.920	2:24	
14.533	286.920	2:28	
14.600	286.920	2:32	
14.667	286.920	2:36	
14.733	286.920	2:40	
14.800	286.920	2:44	
14.867	286.920	2:48	
14.933	286.920	2:52	
15.000	286.920	2:56	
15.067	286.920	3: 0	
15.133	286.920	3: 4	
15.200	286.920	3: 8	
15.267	286.920	3:12	
15.333	286.920	3:16	
15.400	286.920	3:20	
15.467	286.920	3:24	
15.533	286.920	3:28	

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DELTA TIME	TEMPERATURE	TIME	DATE
15.600	286.920	3:32	17- 7-81
15.667	286.920	3:36	
15.733	286.920	3:40	
15.800	286.920	3:44	
15.867	286.920	3:48	
15.933	286.920	3:52	
16.000	286.920	3:56	
16.067	286.920	4: 0	
16.133	286.920	4: 4	
16.200	286.920	4: 8	
16.267	286.215	4:12	
16.333	286.215	4:16	
16.400	286.215	4:20	
16.467	286.215	4:24	
16.533	286.215	4:28	
16.600	286.215	4:32	
16.667	286.215	4:36	
16.733	286.215	4:40	
16.800	286.215	4:44	
16.867	286.215	4:48	
16.933	286.215	4:52	
17.000	286.215	4:56	
17.067	286.215	5: 0	
17.133	286.215	5: 4	
17.200	286.215	5: 8	
17.267	286.920	5:12	
17.333	286.215	5:16	
17.400	286.920	5:20	
17.467	286.215	5:24	
17.533	286.920	5:28	
17.600	286.920	5:32	
17.667	286.920	5:36	
17.733	286.920	5:40	
17.800	286.920	5:44	
17.867	286.920	5:48	
17.933	286.920	5:52	
18.000	286.920	5:56	
18.067	286.920	6: 0	
18.133	286.920	6: 4	
18.200	286.920	6: 8	
18.267	286.920	6:12	
18.333	286.920	6:16	
18.400	286.920	6:20	
18.467	286.920	6:24	
18.533	286.920	6:28	
18.600	286.920	6:32	
18.667	286.920	6:36	

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DELTA TIME	TEMPERATURE	TIME	DATE
18.733	286.920	6:40	17- 7-81
18.800	286.920	6:44	
18.867	286.920	6:48	
18.933	286.920	6:52	
19.000	286.920	6:56	
19.067	286.215	7: 0	
19.133	286.920	7: 4	
19.200	286.920	7: 8	
19.267	286.920	7:12	
19.333	286.920	7:16	
19.400	286.920	7:20	
19.467	286.920	7:24	
19.533	286.920	7:28	
19.600	286.920	7:32	
19.667	286.920	7:36	
19.733	286.920	7:40	
19.800	286.920	7:44	
19.867	286.920	7:48	
19.933	286.920	7:52	
20.000	286.920	7:56	
20.067	286.920	8: 0	
20.133	286.920	8: 4	
20.200	286.920	8: 8	
20.267	286.920	8:12	
20.333	286.920	8:16	
20.400	286.920	8:20	
20.467	286.920	8:24	
20.533	286.215	8:28	
20.600	286.215	8:32	
20.667	286.215	8:36	
20.733	286.215	8:40	
20.800	286.215	8:44	
20.867	286.215	8:48	
20.933	286.215	8:52	
21.000	286.215	8:56	
21.067	286.215	9: 0	
21.133	286.215	9: 4	
21.200	286.215	9: 8	
21.267	286.215	9:12	
21.333	286.215	9:16	
21.400	286.215	9:20	
21.467	286.215	9:24	
21.533	286.215	9:28	
21.600	286.215	9:32	
21.667	286.215	9:36	
21.733	286.215	9:40	
21.800	286.215	9:44	

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DST 2, RUN 1. GAUGE 0066, SENSING DEPTH 3444.46 M. (SECOND BUILD-UP PERIOD)

DELTA TIME	TEMPERATURE	TIME	DATE
21.867	286.215	9:48	17- 7-81
21.933	286.215	9:52	
22.000	286.215	9:56	
22.067	286.215	10: 0	
22.133	286.215	10: 4	
22.200	286.215	10: 8	
22.267	286.920	10:12	
22.333	286.920	10:16	
22.400	286.920	10:20	
22.467	286.920	10:24	
22.533	286.920	10:28	
22.600	286.920	10:32	
22.667	286.920	10:36	
22.733	286.920	10:40	
22.800	286.920	10:44	
22.867	286.920	10:48	
22.933	286.920	10:52	
23.000	286.920	10:56	
23.067	286.920	11: 0	
23.133	286.920	11: 4	
23.200	286.920	11: 8	
23.267	286.920	11:12	
23.333	286.920	11:16	
23.400	286.920	11:20	
23.467	286.920	11:24	
23.533	286.920	11:28	
23.600	286.920	11:32	
23.667	286.920	11:36	
23.733	286.920	11:40	
23.800	286.920	11:44	
23.867	286.920	11:48	
23.933	286.920	11:52	
24.000	286.920	11:56	
24.067	286.920	12: 0	
24.133	286.920	12: 4	
24.200	286.920	12: 8	
24.267	286.920	12:12	
24.333	286.920	12:16	
24.400	286.215	12:20	
24.467	285.510	12:24	

END OF BUILD-UP PERIOD

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TEST 2, RUN 1. GAUGE 0066, SENSING DEPTH 3444.46 M. (MULTIRATE INJECTION PERIOD)

DELTA TIME	TEMPERATURE	TIME	DATE	
0.000	285.510	12:24	17- 7-81	COMMENCE INJECTING DIESEL
0.067	285.510	12:28		AT 2BPM; AT 12:28
0.133	285.510	12:32		
0.200	284.100	12:36		
0.267	282.690	12:40		
0.333	280.575	12:44		
0.400	278.460	12:48		
0.467	277.050	12:52		
0.533	275.640	12:56		
0.600	274.230	13: 0		
0.667	273.525	13: 4		
0.733	272.115	13: 8		
0.800	271.410	13:12		
0.867	270.705	13:16		
0.933	270.000	13:20		
1.000	269.295	13:24		
1.067	268.590	13:28		
1.133	268.590	13:32		
1.200	268.590	13:36		
1.267	267.885	13:40		
1.333	267.885	13:44		
1.400	267.885	13:48		
1.467	267.885	13:52		
1.533	267.885	13:56		
1.600	267.885	14: 0		
1.667	267.885	14: 4		
1.733	267.885	14: 8		PUMPING SEAWATER AT 0.5 BPM
1.800	267.885	14:12		
1.867	267.885	14:16		
1.933	267.885	14:20		INCREASE INJ. RATE TO 1.25 BPM
2.000	267.885	14:24		
2.067	267.885	14:28		
2.133	267.180	14:32		
2.200	267.180	14:36		
2.267	266.475	14:40		
2.333	265.770	14:44		
2.400	265.065	14:48		
2.467	264.360	14:52		
2.533	264.360	14:56		
2.600	263.655	15: 0		
2.667	263.655	15: 4		
2.733	262.950	15: 8		
2.800	262.950	15:12		
2.867	262.245	15:16		
2.933	262.245	15:20		
3.000	261.540	15:24		

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TEST 2, RUN 1. GAUGE 0066, SENSING DEPTH 3444.46 M. (MULTIRATE INJECTION PERIOD)

DELTA TIME	TEMPERATURE	TIME	DATE
3.067	261.540	15:28	17- 7-81
3.133	260.835	15:32	
3.200	260.835	15:36	
3.267	260.835	15:40	
3.333	260.130	15:44	
3.400	260.130	15:48	
3.467	260.130	15:52	
3.533	260.130	15:56	REDUCE INJ. RATE TO 0.5 BPM
3.600	259.425	16: 0	
3.667	259.425	16: 4	
3.733	258.720	16: 8	(PUMP STALLED)
3.800	258.720	16:12	
3.867	258.720	16:16	
3.933	258.720	16:20	
4.000	259.425	16:24	
4.067	259.425	16:28	STOP PUMPING
4.133	259.425	16:32	RESUME PUMPING
4.200	259.425	16:36	
4.267	260.130	16:40	
4.333	260.130	16:44	
4.400	260.835	16:48	STOP PUMPING
4.467	260.835	16:52	RESUME PUMPING AT 0.5 BPM
4.533	260.835	16:56	
4.600	261.540	17: 0	
4.667	261.540	17: 4	
4.733	262.245	17: 8	
4.800	262.245	17:12	
4.867	262.950	17:16	STOP PUMPING
4.933	262.245	17:20	
5.000	262.950	17:24	RESUME PUMPING AT 0.25 BPM
5.067	262.950	17:28	
5.133	263.655	17:32	
5.200	264.360	17:36	
5.267	264.360	17:40	
5.333	264.360	17:44	
5.400	264.360	17:48	
5.467	265.065	17:52	
5.533	265.065	17:56	
5.600	265.065	18: 0	
5.667	265.065	18: 4	
5.733	265.065	18: 8	
5.800	265.065	18:12	
5.867	265.065	18:16	
5.933	265.065	18:20	
6.000	265.065	18:24	
6.067	265.065	18:28	
6.133	265.065	18:32	

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WELL 2, RUN 1. GAUGE 0066, SENSING DEPTH 3444.46 M. (MULTIRATE INJECTION PERIOD)

DELTA TIME	TEMPERATURE	TIME	DATE
6.200	265.065	18:36	17- 7-81
6.267	264.360	18:40	
6.333	264.360	18:44	
6.400	264.360	18:48	
6.467	264.360	18:52	
6.533	264.360	18:56	
6.600	264.360	19: 0	
6.667	264.360	19: 4	
6.733	264.360	19: 8	
6.800	264.360	19:12	
6.867	264.360	19:16	
6.933	264.360	19:20	
7.000	265.065	19:24	
7.067	265.065	19:28	
7.133	265.065	19:32	
7.200	265.065	19:36	
7.267	265.065	19:40	INCREASE INJ. RATE TO 0.5 BPM
7.333	265.065	19:44	
7.467	265.065	19:52	
7.533	264.360	19:56	
7.600	264.360	20: 0	
7.667	264.360	20: 4	
7.733	263.655	20: 8	
7.800	263.655	20:12	
7.867	262.950	20:16	
7.933	262.950	20:20	INCREASE INJ. RATE TO 0.8 BPM
8.000	262.245	20:24	
8.067	261.540	20:28	
8.133	260.835	20:32	
8.200	260.130	20:36	
8.267	259.425	20:40	INCREASE INJ. RATE TO 1.0 BPM
8.333	258.015	20:44	
8.400	257.310	20:48	
8.467	256.605	20:52	
8.533	255.195	20:56	
8.600	254.490	21: 0	INCREASE INJ. RATE TO 1.5 BPM
8.667	253.785	21: 4	
8.733	252.375	21: 8	
8.800	250.965	21:12	
8.867	249.555	21:16	
8.933	248.145	21:20	
9.000	246.735	21:24	
9.067	245.325	21:28	
9.133	243.915	21:32	
9.200	242.505	21:36	
9.267	241.095	21:40	
9.333	240.390	21:44	

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DST 2, RUN 1. GAUGE 0066, SENSING DEPTH 3444.46 M. (MULTIRATE INJECTION PERIOD)

DELTA TIME	TEMPERATURE	TIME	DATE	
9.400	238.980	21:48	17- 7-81	INCREASE INJ. RATE TO 2.0 BPM
9.467	237.570	21:52		
9.533	236.160	21:56		
9.600	234.045	22: 0		
9.667	232.635	22: 4		
9.733	230.520	22: 8		
9.800	228.405	22:12		INCREASE INJ. RATE TO 2.5 BPM
9.867	226.290	22:16		
9.933	224.175	22:20		
10.000	222.060	22:24		
10.067	219.240	22:28		
10.133	217.125	22:32		
10.200	214.305	22:36		
10.267	211.485	22:40		
10.333	208.665	22:44		
10.400	206.550	22:48		
10.467	203.730	22:52		
10.533	201.615	22:56		
10.600	199.500	23: 0		
10.667	197.385	23: 4		
10.733	195.270	23: 8		
10.800	193.155	23:12		
10.867	191.040	23:16		
10.933	188.925	23:20		
11.000	186.810	23:24		
11.067	185.400	23:28		
11.133	183.990	23:32		
11.200	181.875	23:36		
11.267	180.465	23:40		
11.333	179.055	23:44		
11.400	177.645	23:48		
11.467	176.235	23:52		
11.533	174.825	23:56		
11.600	173.415	0: 0	18- 7-81	
11.667	172.710	0: 4		
11.733	171.300	0: 8		
11.800	169.890	0:12		
11.867	169.185	0:16		
11.933	167.775	0:20		
12.000	167.070	0:24		
12.067	165.660	0:28		
12.133	164.955	0:32		
12.200	164.250	0:36		
12.267	163.545	0:40		
12.333	162.135	0:44		
12.400	161.430	0:48		
12.467	160.725	0:52		

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DST 2; RUN 1. GAUGE 0066; SENSING DEPTH 3444.46 M. (MULTIRATE INJECTION PERIOD)

DELTA TIME	TEMPERATURE	TIME	DATE
12.533	160.020	0:56	18- 7-81
12.600	159.315	1: 0	
12.667	158.610	1: 4	
12.733	157.905	1: 8	
12.800	157.200	1:12	
12.867	156.495	1:16	
12.933	155.790	1:20	
13.000	155.085	1:24	
13.067	154.380	1:28	
13.133	153.675	1:32	
13.200	152.970	1:36	
13.267	152.970	1:40	
13.333	152.265	1:44	
13.400	151.560	1:48	
13.467	150.855	1:52	
13.533	150.855	1:56	
13.600	150.150	2: 0	
13.667	149.445	2: 4	
13.733	148.740	2: 8	
13.800	148.740	2:12	
13.867	148.035	2:16	
13.933	147.330	2:20	
14.000	147.330	2:24	
14.067	146.625	2:28	
14.133	146.625	2:32	
14.200	145.920	2:36	
14.267	145.215	2:40	
14.333	145.215	2:44	
14.400	144.510	2:48	
14.467	144.510	2:52	
14.533	143.805	2:56	
14.600	143.805	3: 0	
14.667	143.100	3: 4	
14.733	143.100	3: 8	
14.800	142.395	3:12	
14.867	142.395	3:16	
14.933	141.690	3:20	
15.000	141.690	3:24	
15.067	140.985	3:28	
15.133	140.985	3:32	
15.200	140.280	3:36	
15.267	140.280	3:40	
15.333	139.575	3:44	
15.400	138.870	3:48	
15.467	138.870	3:52	
15.533	138.165	3:56	
15.600	138.165	4: 0	

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DST 2, RUN 1, GAUGE 0066, SENSING DEPTH 3444.46 M. (MULTIRATE INJECTION PERIOD)

DELTA TIME	TEMPERATURE	TIME	DATE
15.667	137.460	4: 4	18- 7-81
15.733	136.755	4: 8	
15.800	136.755	4:12	
15.867	136.050	4:16	
15.933	136.050	4:20	
16.000	136.050	4:24	
16.067	136.050	4:28	
16.133	135.345	4:32	
16.200	135.345	4:36	
16.267	135.345	4:40	
16.333	134.640	4:44	
16.400	135.345	4:48	
16.467	135.345	4:52	
16.533	136.050	4:56	
16.600	136.755	5: 0	
16.667	136.755	5: 4	
16.733	136.755	5: 8	
16.800	136.050	5:12	
16.867	136.050	5:16	
16.933	135.345	5:20	
17.000	135.345	5:24	
17.067	134.640	5:28	
17.133	134.640	5:32	
17.200	133.935	5:36	
17.267	133.935	5:40	
17.333	133.935	5:44	
17.400	133.230	5:48	
17.467	133.230	5:52	
17.533	133.230	5:56	
17.600	133.230	6: 0	
17.667	133.230	6: 4	
17.733	132.525	6: 8	
17.800	132.525	6:12	
17.867	132.525	6:16	
17.933	132.525	6:20	
18.000	132.525	6:24	
18.067	132.525	6:28	
18.133	131.820	6:32	
18.200	131.820	6:36	
18.267	131.820	6:40	
18.333	131.820	6:44	
18.400	131.820	6:48	
18.467	131.115	6:52	
18.533	131.115	6:56	
18.600	131.115	7: 0	
18.667	131.115	7: 4	
18.733	131.115	7: 8	

STOP PUMPING
RESUME PUMPING AT 2.5 BPM

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DST 2, RUN 1. GAUGE 0066, SENSING DEPTH 3444.46 M. (MULTIRATE INJECTION PERIOD)

DELTA TIME	TEMPERATURE	TIME	DATE
18.800	130.410	7:12	18- 7-81
18.867	130.410	7:16	
18.933	130.410	7:20	
19.000	130.410	7:24	
19.067	130.410	7:28	
19.133	129.705	7:32	
19.200	129.705	7:36	
19.267	129.705	7:40	
19.333	129.705	7:44	
19.400	129.705	7:48	
19.467	129.705	7:52	
19.533	129.000	7:56	
19.600	129.000	8: 0	
19.667	129.000	8: 4	
19.733	129.000	8: 8	
19.800	129.000	8:12	STOP PUMPING
19.867	128.295	8:16	
19.933	128.295	8:20	RESUME PUMPING AT 3.5 BPM
20.000	129.000	8:24	
20.067	129.705	8:28	
20.133	130.410	8:32	
20.200	130.410	8:36	
20.267	129.705	8:40	
20.333	129.000	8:44	
20.400	127.590	8:48	
20.467	126.180	8:52	
20.533	124.770	8:56	
20.600	124.065	9: 0	INCREASE INJ. RATE TO 4.0 BPM
20.667	122.655	9: 4	
20.733	121.245	9: 8	
20.800	119.835	9:12	
20.867	118.425	9:16	
20.933	117.015	9:20	
21.000	116.310	9:24	
21.067	114.900	9:28	
21.133	114.195	9:32	
21.200	113.490	9:36	
21.267	112.785	9:40	INCREASE INJ. RATE TO 5.0 BPM
21.333	112.080	9:44	
21.400	110.670	9:48	
21.467	109.965	9:52	
21.533	109.260	9:56	
21.600	107.850	10: 0	
21.667	107.145	10: 4	REDUCE INJ. RATE TO 4.0 BPM
21.733	106.440	10: 8	
21.800	105.735	10:12	
21.867	105.030	10:16	INCREASE INJ. RATE TO 5.0 BPM

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WELL 2, RUN 1. GAUGE 0066, SENSING DEPTH 3444.46 M. (MULTIRATE INJECTION PERIOD)

DELTA TIME	TEMPERATURE	TIME	DATE	
21.933	105.030	10:20	18- 7-81	INCREASE INJ. RATE TO 5.5 BPM
22.000	104.325	10:24		INCREASE INJ. RATE TO 6.0 BPM
22.067	103.620	10:28		
22.133	102.915	10:32		
22.200	102.210	10:36		
22.267	101.505	10:40		
22.333	99.390	10:44		
22.400	93.750	10:48		
22.467	88.110	10:52		REDUCE INJ. RATE TO 6.1 BPM
22.533	83.880	10:56		
22.600	79.650	11: 0		
22.667	74.010	11: 4		
22.733	71.190	11: 8		
22.800	68.370	11:12		
22.867	66.960	11:16		
23.067	62.730	11:28		
23.133	62.025	11:32		
23.200	62.025	11:36		
23.267	61.320	11:40		
23.333	61.320	11:44		
24.400	53.565	12:48		
24.467	53.565	12:52		
24.533	52.860	12:56		
25.067	52.155	13:28		
25.333	52.155	13:44		
25.400	52.155	13:48		
25.467	52.155	13:52		
25.533	51.450	13:56		
25.600	52.155	14: 0		
25.667	52.155	14: 4		
25.867	51.450	14:16		
26.133	51.450	14:32		
26.200	51.450	14:36		
26.333	51.450	14:44		
26.400	50.745	14:48		
26.533	51.450	14:56		
27.467	49.335	15:52		
27.533	50.040	15:56		
27.600	49.335	16: 0		
27.667	49.335	16: 4		
29.267	46.515	17:40		(MISSING DATA -
29.333	46.515	17:44		APR-N CLOSED AT 18:00)

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DST 2; RUN 1. GAUGE 0066; SENSING DEPTH 3444.46 M. (FALL-OFF PERIOD)

DELTA TIME	TEMPERATURE	TIME	DATE
1.400	59.205	19:24	18- 7-81
1.800	81.765	19:48	APR-N CLOSED FOR FALL-OFF AT 18:00 (SURFACE TIME)
2.067	91.635	20: 4	
2.133	90.225	20: 8	
2.200	97.275	20:12	
2.267	99.390	20:16	
2.333	101.505	20:20	
2.400	102.210	20:24	
2.467	102.915	20:28	
2.533	103.620	20:32	
2.600	90.225	20:36	
2.667	104.325	20:40	
2.733	105.030	20:44	
2.800	105.030	20:48	
2.867	105.735	20:52	
2.933	106.440	20:56	
3.000	106.440	21: 0	
3.067	107.145	21: 4	
3.133	105.030	21: 8	
3.200	108.555	21:12	
3.267	109.260	21:16	
3.333	109.965	21:20	
3.400	110.670	21:24	
3.467	109.965	21:28	
3.533	109.965	21:32	
3.600	110.670	21:36	
3.667	112.080	21:40	
3.733	111.375	21:44	
3.800	111.375	21:48	
3.867	112.080	21:52	
3.933	112.080	21:56	
4.000	112.785	22: 0	
4.067	113.490	22: 4	
4.133	113.490	22: 8	
4.200	114.195	22:12	
4.267	114.195	22:16	
4.333	114.900	22:20	
4.400	115.605	22:24	
4.467	115.605	22:28	
4.533	117.720	22:32	
4.600	116.310	22:36	
4.667	117.015	22:40	
4.733	117.015	22:44	
4.800	117.720	22:48	
4.867	117.720	22:52	
4.933	118.425	22:56	

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DST 2; RUN 1. GAUGE 0066; SENSING DEPTH 3444.46 M. (FALL-OFF PERIOD)

DELTA TIME	TEMPERATURE	TIME	DATE
5.000	118.425	23: 0	18- 7-81
5.067	119.835	23: 4	
5.133	119.130	23: 8	
5.200	120.540	23:12	
5.267	119.835	23:16	
5.333	121.950	23:20	
5.400	121.245	23:24	
5.467	121.245	23:28	
5.533	121.950	23:32	
5.600	122.655	23:36	
5.667	122.655	23:40	
5.733	122.655	23:44	
5.800	123.360	23:48	
5.867	124.065	23:52	
5.933	124.065	23:56	
6.000	124.065	0: 0	19- 7-81
6.067	124.770	0: 4	
6.133	125.475	0: 8	
6.200	125.475	0:12	
6.267	124.770	0:16	
6.333	125.475	0:20	
6.400	126.180	0:24	
6.467	126.180	0:28	
6.533	126.885	0:32	
6.600	126.885	0:36	
6.667	126.885	0:40	
6.733	127.590	0:44	
6.800	127.590	0:48	
6.867	127.590	0:52	
6.933	128.295	0:56	
7.000	128.295	1: 0	
7.067	128.295	1: 4	
7.133	129.000	1: 8	
7.200	129.000	1:12	
7.267	129.000	1:16	
7.333	129.705	1:20	
7.400	129.705	1:24	
7.467	129.705	1:28	
7.533	130.410	1:32	
7.600	130.410	1:36	
7.667	131.115	1:40	
7.733	131.115	1:44	
7.800	131.115	1:48	
7.867	131.820	1:52	
7.933	131.820	1:56	
8.000	131.820	2: 0	
8.067	131.820	2: 4	

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DST 2; RUN 1. GAUGE 0066; SENSING DEPTH 3444.46 M. (FALL-OFF PERIOD)

DELTA TIME	TEMPERATURE	TIME	DATE
8.133	132.525	2: 8	19- 7-81
8.200	132.525	2:12	
8.267	132.525	2:16	
8.333	133.230	2:20	
8.400	133.230	2:24	
8.467	133.935	2:28	
8.533	133.935	2:32	
8.600	133.935	2:36	
8.667	134.640	2:40	
8.733	134.640	2:44	
8.800	134.640	2:48	
8.867	135.345	2:52	
8.933	135.345	2:56	
9.000	136.050	3: 0	
9.067	136.050	3: 4	
9.133	136.050	3: 8	
9.200	136.050	3:12	
9.267	136.755	3:16	
9.333	136.755	3:20	
9.400	136.755	3:24	
9.467	136.755	3:28	
9.533	137.460	3:32	
9.600	137.460	3:36	
9.667	138.165	3:40	
9.733	138.165	3:44	
9.800	138.165	3:48	
9.867	138.165	3:52	
9.933	138.870	3:56	
10.000	138.870	4: 0	
10.067	138.870	4: 4	
10.133	139.575	4: 8	
10.200	139.575	4:12	
10.267	139.575	4:16	
10.333	139.575	4:20	
10.400	140.280	4:24	
10.467	140.280	4:28	
10.533	140.280	4:32	
10.600	140.280	4:36	
10.667	140.985	4:40	
10.733	140.985	4:44	
10.800	140.985	4:48	
10.867	140.985	4:52	
10.933	140.985	4:56	
11.000	141.690	5: 0	
11.067	141.690	5: 4	
11.133	141.690	5: 8	
11.200	142.395	5:12	

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DST 2; RUN 1. GAUGE 0066; SENSING DEPTH 3444.46 M. (FALL-OFF PERIOD)

DELTA TIME	TEMPERATURE	TIME	DATE
11.267	142.395	5:16	19- 7-81
11.333	142.395	5:20	
11.400	142.395	5:24	
11.467	142.395	5:28	
11.533	143.100	5:32	
11.600	143.100	5:36	
11.667	143.100	5:40	
11.733	143.100	5:44	
11.800	143.805	5:48	
11.867	143.805	5:52	
11.933	143.805	5:56	
12.000	143.805	6: 0	
12.067	144.510	6: 4	
12.133	144.510	6: 8	
12.200	144.510	6:12	
12.267	144.510	6:16	
12.333	144.510	6:20	
12.400	145.215	6:24	
12.467	145.215	6:28	
12.533	145.215	6:32	
12.600	145.215	6:36	
12.667	145.215	6:40	
12.733	145.920	6:44	
12.800	145.920	6:48	
12.867	145.920	6:52	
12.933	145.920	6:56	
13.000	145.920	7: 0	
13.067	146.625	7: 4	
13.133	146.625	7: 8	
13.200	146.625	7:12	
13.267	146.625	7:16	
13.333	146.625	7:20	
13.400	147.330	7:24	
13.467	147.330	7:28	
13.533	147.330	7:32	
13.600	147.330	7:36	
13.667	147.330	7:40	
13.733	148.035	7:44	
13.800	148.035	7:48	
13.867	148.035	7:52	
13.933	148.035	7:56	
14.000	148.035	8: 0	
14.067	148.035	8: 4	
14.133	148.740	8: 8	
14.200	148.740	8:12	
14.267	148.740	8:16	
14.333	148.740	8:20	

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DELTA TIME	TEMPERATURE	TIME	DATE
14.400	149.445	8:24	19- 7-81
14.467	149.445	8:28	
14.533	149.445	8:32	
14.600	149.445	8:36	
14.667	149.445	8:40	
14.733	149.445	8:44	
14.800	150.150	8:48	
14.867	150.150	8:52	
14.933	150.150	8:56	
15.000	150.150	9: 0	
15.067	150.150	9: 4	
15.133	150.150	9: 8	
15.200	150.150	9:12	
15.267	150.150	9:16	
15.333	150.855	9:20	
15.400	150.855	9:24	
15.467	150.855	9:28	
15.533	150.855	9:32	
15.600	150.855	9:36	
15.667	150.855	9:40	
15.733	150.855	9:44	
15.800	151.560	9:48	
15.867	151.560	9:52	
15.933	151.560	9:56	
16.000	151.560	10: 0	
16.067	151.560	10: 4	
16.133	151.560	10: 8	
16.200	151.560	10:12	
16.267	151.560	10:16	
16.333	152.265	10:20	
16.400	152.265	10:24	
16.467	152.265	10:28	
16.533	152.265	10:32	
16.600	152.265	10:36	
16.667	152.265	10:40	
16.733	152.970	10:44	
16.800	152.970	10:48	
16.867	152.970	10:52	
16.933	152.970	10:56	
17.000	152.970	11: 0	
17.067	152.970	11: 4	
17.133	152.970	11: 8	
17.200	152.970	11:12	
17.267	152.970	11:16	
17.333	152.970	11:20	
17.400	152.970	11:24	
17.467	152.970	11:28	

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DST 2; RUN 1. GAUGE 0066; SENSING DEPTH 3444.46 M. (FALL-OFF PERIOD)

DELTA TIME	TEMPERATURE	TIME	DATE
17.533	152.970	11:32	19- 7-81
17.600	152.970	11:36	
17.667	152.970	11:40	
17.733	152.970	11:44	
17.800	152.970	11:48	
17.867	152.970	11:52	
17.933	152.970	11:56	
18.000	153.675	12: 0	
18.067	153.675	12: 4	
18.133	153.675	12: 8	

END OF FALL-OFF PERIOD

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DST 2; RUN 1. GAUGE 0136; SENSING DEPTHS 3433.73 M. (INITIAL FLOW PERIOD)

DELTA TIME	TEMPERATURE	TIME	DATE	
0.000	271.812	18: 5	15- 7-81	SET PACKER AT 18:02
0.133	271.812	18:13		(SURFACE TIME)
0.267	271.812	18:21		
0.400	271.812	18:29		
0.533	271.812	18:37		
0.667	271.812	18:45		
0.800	271.812	18:53		
0.933	271.812	19: 1		
1.067	272.518	19: 9		
1.200	272.518	19:17		
1.333	272.518	19:25		
1.467	272.518	19:33		WELL OPENED ON 28/64" CHOKE
1.600	273.224	19:41		END OF FLOW PERIOD

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DST 2, RUN 1. GAUGE 0136, SENSING DEPTHS 3433.73 M. (INITIAL BUILD-UP PERIOD)

DELTA TIME	TEMPERATURE	TIME	DATE	
0.000	273.224	19:41	15- 7-81	CLOSE APR-N FOR BUILD-UP
0.133	274.636	19:49		AT 19:41 (SURFACE TIME)
0.267	274.636	19:57		
0.400	274.636	20: 5		
0.533	274.636	20:13		
0.667	274.636	20:21		
0.800	274.636	20:29		
0.933	274.636	20:37		END OF BUILD-UP PERIOD

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DELTA TIME	TEMPERATURE	TIME	DATE	
0.000	274.636	20:37	15- 7-81	WELL OPENED ON 32/64" CHOKE
0.133	274.636	20:45		AT 20:45 (SURFACE TIME)
0.267	276.048	20:53		INCREASE TO 36/64" CHOKE
0.400	277.460	21: 1		CLOSE APR-N
0.533	278.872	21: 9		
0.667	278.872	21:17		WELL OPENED ON 36/64" CHOKE
0.800	278.872	21:25		
0.933	278.872	21:33		REDUCE TO 26/64" CHOKE
1.067	278.872	21:41		
1.200	278.872	21:49		CHANGE TO 28/64" POS. CHOKE
1.333	279.578	21:57		
1.467	280.284	22: 5		
1.600	280.990	22:13		
1.733	280.990	22:21		CHANGE TO 28/64" ADJ. CHOKE
1.867	280.990	22:29		
2.000	280.990	22:37		
2.133	280.990	22:45		
2.267	280.990	22:53		
2.400	280.990	23: 1		INCREASE TO 36/64" ADJ. CHOKE
2.533	281.696	23: 9		INCREASE TO 44/64" ADJ. CHOKE
2.667	281.696	23:17		
2.800	281.696	23:25		
2.933	282.402	23:33		INCREASE TO 54/64" ADJ. CHOKE
3.067	282.402	23:41		
3.200	283.108	23:49		
3.333	283.108	23:57		INCREASE TO 64/64" ADJ. CHOKE
3.733	283.814	0:21	16- 7-81	
3.867	284.520	0:29		
4.000	284.520	0:37		
4.133	284.520	0:45		
4.267	285.226	0:53		CHANGE TO 64/64" FIXED CHOKE
4.400	285.226	1: 1		
4.533	285.932	1: 9		CHANGE TO ADJUSTABLE CHOKE
4.667	285.932	1:17		
4.800	285.932	1:25		REDUCE TO 36/64" POS. CHOKE
4.933	286.638	1:33		
5.067	286.638	1:41		REDUCE TO 32/64" ADJ. CHOKE
5.200	286.638	1:49		CHANGE TO 32/64" POS. CHOKE
5.333	286.638	1:57		CHANGE TO 32/64" ADJ. CHOKE
5.467	286.638	2: 5		
5.600	286.638	2:13		CHANGE TO 32/64" POS. CHOKE
5.733	286.638	2:21		
5.867	286.638	2:29		
6.000	286.638	2:37		
6.133	287.344	2:45		
6.267	287.344	2:53		

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DELTA TIME	TEMPERATURE	TIME	DATE
6.400	287.344	3: 1	16- 7-81
6.533	287.344	3: 9	
6.667	287.344	3:17	
6.800	287.344	3:25	
6.933	287.344	3:33	
7.067	287.344	3:41	
7.200	288.050	3:49	
7.333	288.050	3:57	
7.467	288.050	4: 5	
7.600	288.050	4:13	
7.733	288.050	4:21	
7.867	288.050	4:29	
8.000	288.050	4:37	
8.133	288.050	4:45	
8.267	288.050	4:53	
8.400	288.050	5: 1	
8.533	288.756	5: 9	
8.667	288.756	5:17	
8.800	288.756	5:25	
8.933	288.756	5:33	
9.067	288.756	5:41	
9.200	288.756	5:49	
9.333	288.756	5:57	
9.467	288.756	6: 5	
9.600	288.756	6:13	
9.733	288.756	6:21	
9.867	288.756	6:29	
10.000	288.756	6:37	
10.133	288.756	6:45	
10.267	288.756	6:53	
10.400	289.462	7: 1	
10.533	289.462	7: 9	
10.667	289.462	7:17	
10.800	289.462	7:25	
10.933	289.462	7:33	
11.067	289.462	7:41	
11.200	289.462	7:49	
11.333	289.462	7:57	
11.467	289.462	8: 5	
11.600	289.462	8:13	
11.733	289.462	8:21	
11.867	289.462	8:29	
12.000	289.462	8:37	
12.133	289.462	8:45	
12.267	289.462	8:53	
12.400	289.462	9: 1	
12.533	289.462	9: 9	

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DELTA TIME	TEMPERATURE	TIME	DATE
12.667	289.462	9:17	16- 7-81
12.800	289.462	9:25	
12.933	289.462	9:33	
13.067	290.168	9:41	
13.200	290.168	9:49	
13.333	290.168	9:57	
13.467	290.168	10: 5	
13.600	290.168	10:13	
13.733	290.168	10:21	
13.867	290.168	10:29	
14.000	290.168	10:37	
14.133	290.168	10:45	
14.267	290.168	10:53	
14.400	290.168	11: 1	
14.533	290.168	11: 9	
14.667	290.168	11:17	
14.800	290.168	11:25	
14.933	290.168	11:33	
15.067	290.168	11:41	
15.200	290.168	11:49	
15.333	290.168	11:57	

END OF FLOW PERIOD

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DELTA TIME	TEMPERATURE	TIME	DATE	
0.000	290.168	11:57	16- 7-81	CLOSE APR-N FOR BUILD-UP
0.133	290.168	12: 5		AT 12:00 (SURFACE TIME)
0.267	290.168	12:13		
0.400	290.168	12:21		
0.533	290.168	12:29		
0.667	290.168	12:37		
0.800	290.168	12:45		
0.933	290.168	12:53		
1.067	289.462	13: 1		
1.200	289.462	13: 9		
1.333	289.462	13:17		
1.467	289.462	13:25		
1.600	289.462	13:33		
1.733	289.462	13:41		
1.867	288.756	13:49		
2.000	288.756	13:57		
2.133	288.756	14: 5		
2.267	288.756	14:13		
2.400	288.756	14:21		
2.533	288.756	14:29		
2.667	288.756	14:37		
2.800	288.756	14:45		
2.933	288.756	14:53		
3.067	288.756	15: 1		
3.200	288.050	15: 9		
3.333	288.050	15:17		
3.467	288.050	15:25		
3.600	288.050	15:33		
3.733	288.050	15:41		
3.867	288.050	15:49		
4.000	288.050	15:57		
4.133	288.050	16: 5		
4.267	288.050	16:13		
4.400	288.050	16:21		
4.533	288.050	16:29		
4.667	288.050	16:37		
4.800	288.050	16:45		
4.933	288.050	16:53		
5.067	288.050	17: 1		
5.200	288.050	17: 9		
5.333	288.050	17:17		
5.467	288.050	17:25		
5.600	288.050	17:33		
5.733	287.344	17:41		
5.867	287.344	17:49		
6.000	287.344	17:57		

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DELTA TIME	TEMPERATURE	TIME	DATE
6.133	287.344	18: 5	16- 7-81
6.267	287.344	18:13	
6.400	287.344	18:21	
6.533	287.344	18:29	
6.667	287.344	18:37	
6.800	287.344	18:45	
6.933	287.344	18:53	
7.067	287.344	19: 1	
7.200	287.344	19: 9	
7.333	287.344	19:17	
7.467	287.344	19:25	
7.600	287.344	19:33	
7.733	287.344	19:41	
7.867	287.344	19:49	
8.000	287.344	19:57	
8.133	287.344	20: 5	
8.267	287.344	20:13	
8.400	287.344	20:21	
8.533	287.344	20:29	
8.667	287.344	20:37	
8.800	287.344	20:45	
8.933	287.344	20:53	
9.067	287.344	21: 1	
9.200	287.344	21: 9	
9.333	287.344	21:17	
9.467	287.344	21:25	
9.600	287.344	21:33	
9.733	287.344	21:41	
9.867	287.344	21:49	
10.000	287.344	21:57	
10.133	287.344	22: 5	
10.267	287.344	22:13	
10.400	287.344	22:21	
10.533	287.344	22:29	
10.667	287.344	22:37	
10.800	287.344	22:45	
10.933	287.344	22:53	
11.067	287.344	23: 1	
11.200	287.344	23: 9	
11.333	287.344	23:17	
11.467	287.344	23:25	
11.600	287.344	23:33	
11.733	286.638	23:41	
11.867	286.638	23:49	
12.000	286.638	23:57	
12.133	286.638	0: 5	17- 7-81
12.400	286.638	0:21	

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DELTA TIME	TEMPERATURE	TIME	DATE
12.533	286.638	0:29	17- 7-81
12.667	286.638	0:37	
12.800	286.638	0:45	
12.933	286.638	0:53	
13.067	286.638	1: 1	
13.200	286.638	1: 9	
13.333	286.638	1:17	
13.467	286.638	1:25	
13.600	286.638	1:33	
13.733	286.638	1:41	
13.867	286.638	1:49	
14.000	286.638	1:57	
14.133	286.638	2: 5	
14.267	286.638	2:13	
14.400	286.638	2:21	
14.533	286.638	2:29	
14.667	286.638	2:37	
14.800	286.638	2:45	
14.933	286.638	2:53	
15.067	286.638	3: 1	
15.200	286.638	3: 9	
15.333	286.638	3:17	
15.467	286.638	3:25	
15.600	286.638	3:33	
15.733	286.638	3:41	
15.867	286.638	3:49	
16.000	286.638	3:57	
16.133	286.638	4: 5	
16.267	286.638	4:13	
16.400	286.638	4:21	
16.533	286.638	4:29	
16.667	286.638	4:37	
16.800	286.638	4:45	
16.933	286.638	4:53	
17.067	286.638	5: 1	
17.200	286.638	5: 9	
17.333	286.638	5:17	
17.467	286.638	5:25	
17.600	286.638	5:33	
17.733	286.638	5:41	
17.867	286.638	5:49	
18.000	286.638	5:57	
18.133	286.638	6: 5	
18.267	286.638	6:13	
18.400	286.638	6:21	
18.533	286.638	6:29	
18.667	286.638	6:37	

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DELTA TIME	TEMPERATURE	TIME	DATE
18.800	286.638	6:45	17- 7-81
18.933	286.638	6:53	
19.067	286.638	7: 1	
19.200	286.638	7: 9	
19.333	286.638	7:17	
19.467	286.638	7:25	
19.600	286.638	7:33	
19.733	286.638	7:41	
19.867	286.638	7:49	
20.000	286.638	7:57	
20.133	286.638	8: 5	
20.267	286.638	8:13	
20.400	286.638	8:21	
20.533	286.638	8:29	
20.667	286.638	8:37	
20.800	286.638	8:45	
20.933	286.638	8:53	
21.067	286.638	9: 1	
21.200	286.638	9: 9	
21.333	286.638	9:17	
21.467	286.638	9:25	
21.600	286.638	9:33	
21.733	286.638	9:41	
21.867	286.638	9:49	
22.000	286.638	9:57	
22.133	286.638	10: 5	
22.267	286.638	10:13	
22.400	286.638	10:21	
22.533	286.638	10:29	
22.667	286.638	10:37	
22.800	286.638	10:45	
22.933	286.638	10:53	
23.067	286.638	11: 1	
23.200	286.638	11: 9	
23.333	286.638	11:17	
23.467	286.638	11:25	
23.600	286.638	11:33	
23.733	286.638	11:41	
23.867	286.638	11:49	
24.000	286.638	11:57	
24.133	286.638	12: 5	
24.267	286.638	12:13	
24.400	286.638	12:21	

END OF BUILD-UP PERIOD

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DELTA TIME	TEMPERATURE	TIME	DATE	
0.000	286.638	12:21	17- 7-81	COMMENCE PUMPING DIESEL
0.133	286.638	12:29		AT 2.0 BPM; AT 12:28
0.267	280.284	12:37		
0.400	274.636	12:45		
0.533	271.812	12:53		
0.667	269.694	13: 1		
0.800	268.282	13: 9		
0.933	267.576	13:17		
1.067	266.870	13:25		
1.200	266.870	13:33		
1.333	266.870	13:41		
1.467	266.870	13:49		
1.600	266.870	13:57		
1.733	266.870	14: 5		PUMPING SEAWATER AT 0.5 BPM
1.867	266.870	14:13		
2.000	266.870	14:21		INCREASE INJ. RATE TO 1.25 BPM
2.133	266.164	14:29		
2.267	264.752	14:37		
2.400	263.340	14:45		
2.533	262.634	14:53		
2.667	261.928	15: 1		
2.800	261.222	15: 9		
2.933	261.222	15:17		
3.067	260.516	15:25		
3.200	259.810	15:33		
3.333	259.104	15:41		
3.467	259.104	15:49		REDUCE INJ. RATE TO 0.5 BPM
3.600	258.398	15:57		
3.733	258.398	16: 5		(PUMP STALLED)
3.867	258.398	16:13		
4.000	259.104	16:21		
4.133	259.104	16:29		STOP PUMPING
4.267	259.104	16:37		RESUME PUMPING
4.400	260.516	16:45		STOP PUMPING
4.533	260.516	16:53		RESUME PUMPING AT 0.5 BPM
4.667	261.222	17: 1		
4.800	261.928	17: 9		
4.933	262.634	17:17		STOP PUMPING
5.067	262.634	17:25		RESUME PUMPING AT 0.25 BPM
5.200	263.340	17:33		
5.333	264.046	17:41		
5.467	264.046	17:49		
5.600	264.046	17:57		
5.733	263.340	18: 5		
5.867	263.340	18:13		
6.000	263.340	18:21		

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DELTA TIME	TEMPERATURE	TIME	DATE
6.133	263.340	18:29	17- 7-81
6.267	262.634	18:37	
6.400	262.634	18:45	
6.533	262.634	18:53	
6.667	263.340	19: 1	
6.800	263.340	19: 9	
6.933	264.046	19:17	
7.067	264.046	19:25	
7.200	264.046	19:33	
7.333	264.046	19:41	INCREASE INJ. RATE TO 0.5 BPM
7.467	263.340	19:49	
7.600	262.634	19:57	
7.733	261.928	20: 5	
7.867	261.928	20:13	
8.000	260.516	20:21	INCREASE INJ. RATE TO 0.8 BPM
8.133	258.398	20:29	
8.267	256.280	20:37	INCREASE INJ. RATE TO 1.0 BPM
8.400	254.868	20:45	
8.533	252.750	20:53	
8.667	251.338	21: 1	INCREASE INJ. RATE TO 1.5 BPM
8.800	248.514	21: 9	
8.933	245.690	21:17	
9.067	242.866	21:25	
9.200	240.042	21:33	
9.333	237.218	21:41	
9.467	235.100	21:49	INCREASE INJ. RATE TO 2.0 BPM
9.600	231.570	21:57	
9.733	227.334	22: 5	
9.867	223.098	22:13	INCREASE INJ. RATE TO 2.5 BPM
10.000	218.156	22:21	
10.133	212.508	22:29	
10.267	206.860	22:37	
10.400	201.918	22:45	
10.533	196.976	22:53	
10.667	192.740	23: 1	
10.800	189.210	23: 9	
10.933	185.680	23:17	
11.067	182.150	23:25	
11.200	179.326	23:33	
11.333	176.502	23:41	
11.467	173.678	23:49	
11.600	171.560	23:57	
11.733	169.442	0: 5	18- 7-81
11.867	167.324	0:13	
12.000	165.206	0:21	
12.133	163.794	0:29	
12.267	161.676	0:37	

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DELTA TIME	TEMPERATURE	TIME	DATE
12.400	160.970	0:45	18- 7-81
12.533	158.852	0:53	
12.667	157.440	1: 1	
12.800	156.734	1: 9	
12.933	155.322	1:17	
13.067	153.910	1:25	
13.200	153.204	1:33	
13.333	151.792	1:41	
13.467	151.086	1:49	
13.600	150.380	1:57	
13.733	148.968	2: 5	
13.867	148.262	2:13	
14.000	147.556	2:21	
14.133	146.850	2:29	
14.267	146.144	2:37	
14.400	145.438	2:45	
14.533	144.732	2:53	
14.667	143.320	3: 1	
14.800	143.320	3: 9	
14.933	142.614	3:17	
15.067	141.908	3:25	
15.200	141.202	3:33	
15.333	139.790	3:41	
15.467	139.084	3:49	
15.600	138.378	3:57	
15.733	137.672	4: 5	
15.867	136.966	4:13	
16.000	136.966	4:21	
16.133	136.260	4:29	
16.267	136.260	4:37	
16.400	136.260	4:45	STOP PUMPING
16.533	139.084	4:53	RESUME PUMPING AT 2.5 BPM
16.667	138.378	5: 1	
16.800	136.966	5: 9	
16.933	136.260	5:17	
17.067	134.848	5:25	
17.200	134.848	5:33	
17.333	134.848	5:41	
17.467	134.848	5:49	
17.600	134.142	5:57	
17.733	134.142	6: 5	
17.867	134.142	6:13	
18.000	133.436	6:21	
18.133	133.436	6:29	
18.267	133.436	6:37	
18.400	132.730	6:45	
18.533	132.730	6:53	

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OFFSHORE NORWAY
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MRPG-929-NOR

DST 2, RUN 1. GAUGE 0136, SENSING DEPTHS 3433.73 M. (MULTIRATE INJECTION)

DELTA TIME	TEMPERATURE	TIME	DATE
18.667	132.024	7: 1	18- 7-81
18.800	132.024	7: 9	
18.933	132.024	7:17	
19.067	131.318	7:25	
19.200	131.318	7:33	
19.333	131.318	7:41	
19.467	131.318	7:49	
19.600	131.318	7:57	
19.733	130.612	8: 5	
19.867	130.612	8:13	STOP PUMPING
20.000	130.612	8:21	RESUME PUMPING AT 3.5 BPM
20.133	134.848	8:29	
20.267	131.318	8:37	
20.400	127.082	8:45	
20.533	124.258	8:53	INCREASE INJ. RATE TO 4.0 BPM
20.667	122.140	9: 1	
20.800	120.022	9: 9	
20.933	118.610	9:17	INCREASE INJ. RATE TO 5.0 BPM
21.467	112.962	9:49	
21.600	110.844	9:57	
21.733	108.726	10: 5	REDUCE INJ. RATE TO 4.0 BPM
21.867	104.490	10:13	INCREASE INJ. RATE TO 5.0 BPM
22.933	63.542	11:17	PUMPING AT 6.1 BPM
23.200	63.542	11:33	
24.133	75.544	12:29	(MISSING DATA)

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OFFSHORE NORWAY
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MRPG-929-NOR

DST 2; RUN 1. GAUGE 0136; SENSING DEPTHS 3433.73 M. (FALL-OFF PERIOD)

DELTA TIME	TEMPERATURE	TIME	DATE	
1.550	120.728	19:33	18- 7-81	APR-N CLOSED FOR FALL-OFF
1.683	122.846	19:41		AT 18:00 (SURFACE TIME)
1.817	124.964	19:49		
1.950	126.376	19:57		
2.083	127.788	20: 5		
2.217	129.906	20:13		
2.350	131.318	20:21		
2.483	132.730	20:29		
2.617	134.142	20:37		
2.750	135.554	20:45		
2.883	136.260	20:53		
3.017	137.672	21: 1		
3.150	139.084	21: 9		
3.283	139.790	21:17		
3.417	141.202	21:25		
3.550	142.614	21:33		
3.683	143.320	21:41		
3.817	144.732	21:49		
3.950	146.144	21:57		
4.083	146.850	22: 5		
4.217	148.262	22:13		
4.350	148.968	22:21		
4.483	149.674	22:29		
4.617	150.380	22:37		
4.750	151.086	22:45		
4.883	151.792	22:53		
5.017	153.204	23: 1		
5.150	153.910	23: 9		
5.283	154.616	23:17		
5.417	155.322	23:25		
5.550	156.028	23:33		
5.683	156.734	23:41		
5.817	157.440	23:49		
5.950	158.146	23:57		
6.083	158.852	0: 5	19- 7-81	
6.217	159.558	0:13		
6.350	160.264	0:21		
6.483	160.264	0:29		
6.617	160.970	0:37		
6.750	161.676	0:45		
6.883	162.382	0:53		
7.017	163.088	1: 1		
7.150	163.794	1: 9		
7.283	164.500	1:17		
7.417	165.206	1:25		
7.550	165.206	1:33		

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OFFSHORE NORWAY
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DST 2; RUN 1. GAUGE 0136; SENSING DEPTHS 3433.73 M. (FALL-OFF PERIOD)

DELTA TIME	TEMPERATURE	TIME	DATE
7.683	165.912	1:41	19- 7-81
7.817	166.618	1:49	
7.950	167.324	1:57	
8.083	168.030	2: 5	
8.217	168.736	2:13	
8.350	168.736	2:21	
8.483	169.442	2:29	
8.617	169.442	2:37	
8.750	170.148	2:45	
8.883	170.854	2:53	
9.017	170.854	3: 1	
9.150	171.560	3: 9	
9.283	172.266	3:17	
9.417	172.266	3:25	
9.550	172.972	3:33	
9.683	173.678	3:41	
9.817	173.678	3:49	
9.950	174.384	3:57	
10.083	174.384	4: 5	
10.217	175.090	4:13	
10.350	175.090	4:21	
10.483	175.796	4:29	
10.617	176.502	4:37	
10.750	176.502	4:45	
10.883	177.208	4:53	
11.017	177.208	5: 1	
11.150	177.914	5: 9	
11.283	178.620	5:17	
11.417	178.620	5:25	
11.550	179.326	5:33	
11.683	179.326	5:41	
11.817	179.326	5:49	
11.950	180.032	5:57	
12.083	180.032	6: 5	
12.217	180.738	6:13	
12.350	180.738	6:21	
12.483	181.444	6:29	
12.617	181.444	6:37	
12.750	182.150	6:45	
12.883	182.150	6:53	
13.017	182.150	7: 1	
13.150	182.856	7: 9	
13.283	182.856	7:17	
13.417	182.856	7:25	
13.550	183.562	7:33	
13.683	183.562	7:41	
13.817	183.562	7:49	

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DST 2, RUN 1. GAUGE 0136, SENSING DEPTHS 3433.73 M. (FALL-OFF PERIOD)

DELTA TIME	TEMPERATURE	TIME	DATE
13.950	184.268	7:57	19- 7-81
14.083	184.268	8: 5	
14.217	184.268	8:13	
14.350	184.268	8:21	
14.483	184.974	8:29	
14.617	184.974	8:37	
14.750	184.974	8:45	
14.883	184.974	8:53	
15.017	184.974	9: 1	
15.150	184.974	9: 9	
15.283	184.974	9:17	
15.417	184.974	9:25	
15.550	184.974	9:33	
15.683	184.974	9:41	
15.817	184.974	9:49	
15.950	184.974	9:57	
16.083	184.974	10: 5	
16.217	184.974	10:13	
16.350	184.268	10:21	
16.483	184.268	10:29	
16.617	184.268	10:37	
16.750	184.268	10:45	
16.883	184.974	10:53	
17.017	184.974	11: 1	
17.150	184.974	11: 9	
17.283	185.680	11:17	
17.417	185.680	11:25	
17.550	186.386	11:33	
17.683	187.092	11:41	
17.817	187.092	11:49	
17.950	187.092	11:57	
18.083	187.798	12: 5	

END OF FALL-OFF PERIOD