

Denne rapport
tilhører

 STATOIL

LTEK DOK.SENTER

L.NR. 12382460073

KODE Well 1/9-6 nr

Returneres etter bruk

sperry-sun internati

**Pressure Survey Report
For**

PHILLIPS PETROLEUM CO. NORWAY

WELL NO: 1/9 - 6 D.S.T. 2B

DATE: 22 September 1982

BOTTOM HOLE AND WELLHEAD PRESSURES



(A Sperry-Sun Company)

Precision Instruments / Professional Services



PRESSURE TEST DATA SUMMARY

COMPANY: PHILLIPS PETROLEUM CO. NORWAY DATE: 22 Sept. 1982

FIELD: TOMMELITEN WELL NO: 1/9 - 6 JOB NO: MRPG-1359-NOR

TEST TYPE: D.S.T. TEST NO: 2B RUN NO: 1 MR SIX-1322-NOR
MAX B.H.T. _____ °F

PERFORATION INTERVAL: 11930 - 11990 FT. ZONE: TOR

	TOP	MIDDLE	BOTTOM
GAUGE TYPE/NO.	<u>MRPG 0155</u>	<u>MRPG 0116</u>	<u>MRPG 0125</u>
PRESSURE SENSING DEPTH	<u>11894.42 FT.</u>	<u>11903.33 FT.</u>	<u>11912.25 FT.</u>
ELEMENT SIZE	<u>9000 PSI</u>	<u>12000 PSI</u>	<u>10000 PSI</u>
TIME MODE	<u>4 MINS.</u>	<u>2 MINS.</u>	<u>2 MINS.</u>
BATTERY TYPE	<u>SILVER OXIDE</u>	<u>SILVER OXIDE</u>	<u>SILVER OXIDE</u>

EVENT	SURFACE TIMES & DATES		TEMP. °F	
			0116	0125
SET RTTS PACKER	15:00	22/9/82		
START GAUGE NO. 0155	15:27	"		
START GAUGE NO. 0116	16:21	"		
START GAUGE NO. 0125	16:22	"		
GAUGES IN LUBRICATOR	16:45	"		
PRESSURE TEST LUBRICATOR (7000 PSI)	17:00	"		
START RIH	17:26	"		
PULL OUT OF HOLE (APR-N VALVE NOT OPEN)	17:55	"		
GAUGES IN LUBRICATOR	18:13	"		
OPEN APR-N VALVE	18:18	"		
START RIH	18:25	"	37.5	43.2
SET GAUGES IN 'F' NIPPLE	20:00	"	237.6	258.2
SHUT IN LUBRICATOR VALVE (RIG DOWN WIRELINE)	20:46	"	240.4	259
OPEN LUBRICATOR VALVE	21:35	"	237.6	259
OPEN TO FLOW ON 8/64" ADJ CHOKE	21:45	"	239.0	259
INCREASE TO 16/64" ADJ CHOKE	21:47	"	237.6	259
INCREASE TO 24/64" ADJ CHOKE	21:49	"	237.6	259

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

MRPG-1359-NOR

 COMPANY: PHILLIPS PETROLEUM CO. NORWAY

 JOB NO: MR SIX-1322-NOR

EVENT	SURFACE TIMES & DATES		TEMP.	°F
INCREASE TO 32/64" ADJ CHOKE EZ TREE VALVE CLOSED	21:52	22/9/82	237.6	259
ACCIDENTIALLY	22:25	"	267.3	269
SHUT IN CHOKE MANIFOLD	22:29	"	268.7	270
OPEN EZ TREE VALVE	22:44	"	268.0	269
OPEN TO FLOW ON 32/64" ADJ CHOKE	22:48	"	266.6	269
DIRECT THROUGH SEPERATOR	00:30	23/9/82	268.7	273
BY-PASS SEPERATOR	00:38	"	271.5	273
DECREASE TO 16/64" FIXED CHOKE	00:45	"	271.5	273
DIRECT THROUGH SEPERATOR	01:30	"	272.9	273
CHANGE TO 32/64" ADJ CHOKE	11:20	"	*	273
CHANGE TO 32/64" FIXED CHOKE	11:26	"		273
CHANGE TO 32/64" ADJ CHOKE	11:31	"		273
DECREASE TO 28/64" ADJ CHOKE	11:37	"		273
BY-PASS HEATER	11:39	"		274
BY-PASS SEPERATOR	16:34	"		274
SHUT IN AT CHOKE MANIFOLD	16:36	"		274
SHUT IN WING VALVE (CHICKSAN LEAK)	17:42	"		275
BLEED OFF SURFACE LINES	17:50	"		274
SHUT MASTER VALVE, OPEN WING VALVE	17:58	"		274
REPAIR CHICKSAN LEAKS				
OPEN MASTER VALVE	22:51	"		271
SHUT IN MASTER VALVE (CHICKSAN LEAK)	02:46	24/9/82		269
BLEED OFF SURFACE LINES AND REPAIR LEAKS	02:48	"		270
OPEN MASTER VALVE	03:22	"		270
OPEN WELL ON 12/64" ADJ CHOKE	15:20	"		268

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

MRPG-1359-NOR

 COMPANY: PHILLIPS PETROLEUM CO. NORWAY

 JOB NO: MR SIX-1322-NOR

EVENT	SURFACE TIMES & DATES		TEMP.	°F
INCREASE TO 16/64" ADJ CHOKE	15:21	24/9/82		269
INCREASE TO 20/64" ADJ CHOKE	15:24	"		269
CHANGE TO 20/64" FIXED CHOKE	15:30	"		271
DIRECT THROUGH SEPERATOR	15:39	"		273
LEAK IN CHICKSAN, CLOSE WELL AT FLOWLINE REMOTE VALVE	23:26	"		275
BY-PASS SEPERATOR AND SHUT IN CHOKE	23:28	"		275
CLOSE MASTER VALVE	23:32	"		275
OPEN FLOWLINE REMOTE VALVE	23:34	"		275
REPAIR LEAKS AND PRESSURE TEST				
OPEN MASTER VALVE	01:12	25/9/82		274
OPEN WELL ON 12/64" ADJ CHOKE	01:30	"		274
INCREASE TO 20/64" ADJ CHOKE	01:33	"		274
CHANGE TO 20/64" FIXED CHOKE	01:40	"		274
DIRECT THROUGH SEPERATOR	02:20	"		274
BY-PASS SEPERATOR	07:20	"		**
SHUT IN CHOKE MANIFOLD	07:21	"		
OPEN ON 12/64" ADJ CHOKE	07:41	"		
INCREASE TO 16/64" ADJ CHOKE	07:44	"		
INCREASE TO 20/64" ADJ CHOKE	07:45	"		
CHANGE TO 20/64" FIXED CHOKE	07:51	"		
DIRECT THROUGH SEPERATOR	08:30	"		
BY-PASS SEPERATOR	08:35	"		
SHUT IN AT CHOKE MANIFOLD	08:44	"		
COMMENCE TO BULLHEAD (TERMINATE TEST)	09:55	"		
GAUGES OUT OF HOLE	05:00	26/9/82		

* Temperature sensor fouled at 06:00 on 23 September.

** Gauge 0125 ran out of time at 06:27 on 25 September.

Gauge 0116 ran out of time at 03:30 on 25 September.

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

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

PHILLIPS PETROLEUM CO NORWAY
TOMMELITEN
1/9-6OFFSHORE NORWAY
22 SEPTEMBER 1982
MRSIX-1322-NOR

D.S.T. 2B. WELLHEAD PRESSURES, PROBE SN 023. (SECOND FLOW)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
0.000	4460.0	62.5	22:46	22/ 9/82 OPEN ON 32/64" ADJ. CHOKE
0.083	3408.0	91.1	22:51	AT 22:48
0.167	3139.0	102.7	22:56	
0.250	3150.0	116.0	23: 1	
0.333	3131.0	121.2	23: 6	
0.417	3254.0	128.4	23:11	
0.500	3286.0	135.3	23:16	
0.583	3330.0	139.3	23:21	
0.667	3349.0	142.2	23:26	
0.750	3334.0	145.0	23:31	
0.835	3200.0	149.4	23:36	
0.918	3105.0	153.6	23:41	
1.001	3101.0	158.7	23:46	
1.085	3107.0	157.6	23:51	
1.168	3116.0	161.1	23:56	
1.251	3139.0	162.7	0: 1	23/ 9/82
1.335	3137.0	162.4	0: 6	
1.418	3129.0	165.5	0:11	
1.501	3127.0	166.1	0:16	
1.585	3120.0	168.0	0:21	
1.668	3109.0	170.8	0:26	DIRECT THROUGH
1.751	3103.0	170.2	0:31	SEPARATOR AT 00:30
1.835	3098.0	172.7	0:36	BY PASS SEPARATOR AT 00:38
1.918	3094.0	170.2	0:41	
2.335	4302.0	132.6	1: 6	CHANGE TO 16/64" FIXED
2.418	4325.0	130.3	1:11	CHOKE AT 00:45
2.501	4342.0	127.8	1:16	
2.585	4343.0	123.6	1:21	
2.668	4359.0	123.6	1:26	SWITCH THROUGH SEPARATOR
2.751	4363.0	123.1	1:31	AT 01:30
2.835	4368.0	120.9	1:36	
2.918	4378.0	118.6	1:41	
3.001	4387.0	117.9	1:46	
3.085	4385.0	116.5	1:51	
3.168	4394.0	116.3	1:56	
3.251	4390.0	114.3	2: 1	
3.335	4402.0	114.1	2: 6	
3.418	4404.0	112.6	2:11	
3.501	4405.0	113.0	2:16	
3.585	4395.0	112.3	2:21	
3.668	4411.0	112.6	2:26	
3.982	4436.0	109.7	2:45	
4.232	4447.0	108.9	2:60	
4.482	4453.0	106.9	3:15	
4.732	4469.0	105.6	3:30	
4.982	4467.0	104.1	3:45	
5.232	4477.0	104.3	3:60	
5.482	4483.0	103.2	4:15	
5.732	4476.0	103.1	4:30	
5.982	4493.0	102.1	4:45	

PHILLIPS PETROLEUM CO NORWAY
TOMMELITEN
1/9-6

OFFSHORE NORWAY
22 SEPTEMBER 1982
MRSIX-1322-NOR

D.S.T. 2B. WELLHEAD PRESSURES, PROBE SN 023. (SECOND FLOW)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME
6.232	4494.0	101.0	4:60 23/ 9/82
6.482	4493.0	99.8	5:15
6.732	4497.0	98.7	5:30
6.982	4505.0	99.4	5:45
7.232	4508.0	99.1	5:60
7.482	4503.0	98.0	6:15
7.732	4504.0	98.7	6:30
7.982	4512.0	97.4	6:45
8.232	4507.0	98.1	6:60
8.482	4513.0	97.8	7:15
8.732	4515.0	97.5	7:30
8.982	4516.0	98.7	7:45
9.232	4515.0	97.7	7:60
9.482	4519.0	98.0	8:15
9.732	4519.0	97.2	8:30
9.982	4524.0	97.2	8:45
10.232	4522.0	96.4	8:60
10.482	4529.0	96.3	9:15
10.732	4531.0	95.5	9:30
11.000	4529.0	94.9	9:46
11.250	4524.0	95.2	10: 1
11.483	4525.0	94.8	10:15
11.728	4524.0	94.2	10:30
11.982	4526.0	92.7	10:45
12.232	4530.0	94.2	10:60
12.482	4527.0	96.4	11:15
12.732	3441.0	123.0	11:30
12.982	3439.0	147.3	11:45
13.232	3396.0	161.1	11:60
13.482	3370.0	168.9	12:15
13.732	3317.0	170.5	12:30
13.982	3291.0	175.7	12:45
14.232	3268.0	175.5	12:60
14.482	3241.0	177.4	13:15
14.732	3220.0	179.4	13:30
14.982	3215.0	179.2	13:45
15.232	3189.0	181.2	13:60
15.482	3170.0	181.2	14:15
15.732	3158.0	178.8	14:30
15.982	3145.0	179.9	14:45
16.232	3133.0	184.2	14:60
16.482	3115.0	184.3	15:15
16.732	3103.0	183.2	15:30
16.982	3089.0	184.9	15:45
17.232	3079.0	186.0	15:60
17.482	3068.0	184.8	16:15
17.732	3053.0	185.5	16:30

CHANGE TO 32/64"
ADJ CHOKE AT 11:31
DECREASE TO 28/64"
ADJ CHOKE AT 11:37

END OF FLOW PERIOD

PHILLIPS PETROLEUM CO NORWAY
TOMMELITEN
1/9-6

OFFSHORE NORWAY
22 SEPTEMBER 1982
MRSIX-1322-NOR

D.S.T. 2B. WELLHEAD PRESSURES, PROBE SN 023. (SECOND BUILD UP)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
0.000	3053.0	185.5	16:30	23/ 9/82 WELL SHUT IN AT CHOKE
0.167	3897.0	176.3	16:40	MANIFOLD AT 16:36
0.183	3919.0	173.9	16:41	
0.200	3934.0	171.3	16:42	
0.217	3947.0	169.7	16:43	
0.233	3960.0	167.6	16:44	
0.250	3971.0	165.4	16:45	
0.267	3981.0	163.7	16:46	
0.283	3990.0	161.8	16:47	
0.300	3999.0	160.0	16:48	
0.317	4007.0	159.0	16:49	
0.333	4014.0	157.5	16:50	
0.350	4023.0	156.1	16:51	
0.367	4029.0	154.5	16:52	
0.383	4035.0	153.1	16:53	
0.400	4041.0	151.8	16:54	
0.417	4047.0	150.2	16:55	
0.433	4053.0	148.8	16:56	
0.450	4059.0	147.2	16:57	
0.467	4065.0	146.1	16:58	
0.483	4070.0	144.7	16:59	
0.583	4098.0	137.0	17: 5	
0.667	4123.0	131.2	17:10	
0.750	4146.0	125.6	17:15	
0.833	4168.0	120.7	17:20	
0.917	4187.0	116.3	17:25	
1.000	4202.0	112.3	17:30	
1.083	4217.0	108.2	17:35	
1.167	4234.0	104.3	17:40	
1.250	4237.0	100.8	17:45	
1.333	4259.0	97.6	17:50	
1.417	8.0	82.7	17:55	LEAK IN CHICKSAN LINE
1.500	230.0	74.3	18: 0	SHUT IN MASTER VALVE
1.583	8.0	72.0	18: 5	AND REPAIR LINE
6.414	4696.0	56.5	22:55	OPEN MASTER VALVE AT 22:51
6.584	4702.0	56.3	23: 5	
6.750	4709.0	56.1	23:15	
6.917	4715.0	56.0	23:25	
7.500	4736.0	55.8	0: 0	24/ 9/82
8.000	4752.0	55.2	0:30	
8.500	4767.0	55.1	1: 0	
9.000	4782.0	54.9	1:30	
9.500	4790.0	54.8	2: 0	
10.000	4809.0	54.6	2:30	LEAK IN CHICKSAN LINE
10.500	11.0	50.7	3: 0	CLOSE MASTER VALVE AT 02:46
11.000	4832.0	56.1	3:30	OPEN MASTER VALVE AT 03:22
11.500	4843.0	55.6	4: 0	
12.000	4853.0	55.1	4:30	
12.500	4863.0	54.9	5: 0	
13.000	4871.0	54.5	5:30	

PHILLIPS PETROLEUM CO NORWAY
TOMMELITEN
1/9-6OFFSHORE NORWAY
22 SEPTEMBER 1982
MRSIX-1322-NOR

D.S.T. 2B. WELLHEAD PRESSURES, PROBE SN 023. (SECOND BUILD UP)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME
13.500	4880.0	54.3	6: 0 24/ 9/82
14.000	4888.0	54.3	6:30
14.500	4896.0	54.2	7: 0
15.000	4903.0	54.0	7:30
15.500	4909.0	53.9	8: 0
16.000	4916.0	54.0	8:30
16.500	4923.0	54.0	9: 0
17.000	4929.0	54.1	9:30
17.500	4935.0	54.5	10: 0
18.000	4941.0	55.0	10:30
18.500	4946.0	55.3	11: 0
19.000	4951.0	55.5	11:30
19.500	4956.0	54.7	12: 0
20.000	4961.0	54.8	12:30
20.500	4966.0	55.1	13: 0
21.000	4970.0	55.3	13:30
21.500	4975.0	55.6	14: 0
22.000	4977.0	55.7	14:30
22.510	4982.0	55.9	15: 1
22.684	4984.0	56.6	15:11
22.751	4984.0	56.5	15:15
22.767	4984.0	56.4	15:16
22.784	4986.0	56.5	15:17
22.801	4984.0	56.4	15:18
22.817	4985.0	56.3	15:19
22.834	4985.0	56.3	15:20

END OF BUILD UP PERIOD

PHILLIPS PETROLEUM CO NORWAY
TOMMELITEN
1/9-6OFFSHORE NORWAY
22 SEPTEMBER 1982
MRSIX-1322-NOR

D.S.T. 2B. WELLHEAD PRESSURES, PROBE SN 023. (THIRD FLOW)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
0.000	4985.0	56.3	15:20	24/ 9/82 OPEN ON 12/64" A.C.
0.017	4932.0	59.4	15:21	INCREASE TO 16/64"
0.033	4833.0	58.0	15:22	ADJ CHOKE AT 15:21
0.050	4719.0	56.1	15:23	
0.067	4511.0	58.3	15:24	INCREASE TO 20/64"
0.083	4500.0	62.7	15:25	ADJ. CHOKE
0.100	4527.0	66.3	15:26	
0.117	4521.0	69.2	15:27	
0.133	4494.0	70.4	15:28	
0.150	4479.0	76.2	15:29	
0.167	4536.0	78.2	15:30	CHANGE TO 20/64"
0.183	4637.0	79.0	15:31	FIXED CHOKE
0.200	4633.0	79.6	15:32	
0.217	4629.0	79.9	15:33	
0.233	4624.0	80.2	15:34	
0.250	4617.0	80.5	15:35	
0.267	4609.0	81.0	15:36	
0.283	4604.0	81.3	15:37	
0.300	4597.0	81.5	15:38	
0.317	4590.0	81.8	15:39	DIRECT THROUGH SEPARATOR
0.333	4583.0	81.9	15:40	
0.350	4578.0	82.4	15:41	
0.367	4570.0	82.8	15:42	
0.383	4565.0	83.3	15:43	
0.400	4559.0	83.6	15:44	
0.417	4556.0	83.8	15:45	
0.433	4551.0	84.2	15:46	
0.450	4547.0	84.7	15:47	
0.467	4543.0	85.7	15:48	
0.483	4553.0	86.4	15:49	
0.500	4553.0	86.9	15:50	
0.517	4553.0	87.2	15:51	
0.533	4553.0	87.5	15:52	
0.550	4549.0	87.6	15:53	
0.567	4546.0	87.8	15:54	
0.583	4544.0	88.0	15:55	
0.600	4543.0	88.3	15:56	
0.617	4541.0	88.5	15:57	
0.633	4541.0	88.8	15:58	
0.650	4540.0	88.9	15:59	
0.667	4537.0	88.8	16: 0	
0.683	4536.0	89.1	16: 1	
0.700	4534.0	89.5	16: 2	
0.717	4533.0	90.0	16: 3	
0.733	4532.0	90.4	16: 4	
0.750	4530.0	90.8	16: 5	
0.818	4526.0	91.8	16: 9	
0.917	4519.0	93.1	16:15	
1.000	4514.0	94.4	16:20	
1.083	4509.0	95.1	16:25	

PHILLIPS PETROLEUM CO NORWAY
TOMMELITEN
1/9-6OFFSHORE NORWAY
22 SEPTEMBER 1982
MRSIX-1322-NOR

D.S.T. 2B. WELLHEAD PRESSURES, PROBE SN 023. (THIRD FLOW)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
1.167	4505.0	95.9	16:30	24/ 9/82
1.250	4500.0	96.9	16:35	
1.333	4496.0	97.9	16:40	
1.417	4492.0	99.1	16:45	
1.500	4490.0	100.4	16:50	
1.583	4487.0	100.7	16:55	
1.917	4473.0	103.2	17:15	
2.167	4465.0	104.9	17:30	
2.417	4459.0	107.5	17:45	
2.667	4452.0	109.7	17:60	
2.917	4447.0	111.4	18:15	
3.167	4441.0	113.2	18:30	
3.417	4436.0	113.6	18:45	
3.633	4433.0	115.8	18:58	
4.170	4424.0	118.2	19:30	
4.670	4417.0	118.8	20: 0	
5.170	4411.0	119.1	20:30	
5.670	4406.0	120.7	21: 0	
6.170	4399.0	119.9	21:30	
6.670	4394.0	119.7	22: 0	
7.170	4391.0	119.1	22:30	
7.670	4386.0	120.5	23: 0	
7.837	4386.0	121.5	23:10	
8.353	4.0	85.3	23:41	

CLOSE FLOWLINE VALVE
AT 23:26 (DUE TO LEAKS)

1/10/82

SPERRY-SUN INTERNATIONAL INC.
MAGNETIC RECORDING PRESSURE GAUGE REPORT

PAGE: 1

PHILLIPS PETROLEUM CO NORWAY
TOMMELITEN
1/9-6OFFSHORE NORWAY
22 SEPTEMBER 1982
MRSIX-1322-NOR

D.S.T. 2B. WELLHEAD PRESSURES, PROBE SN 023. (FOURTH FLOW)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
0.000	4654.0	59.4	1:30	25/ 9/82 OPEN WELL ON 12/64"
0.017	4644.0	67.0	1:31	ADJ CHOKE AT 01:30
0.033	4550.0	75.2	1:32	
0.050	4524.0	76.1	1:33	INCREASE TO 20/64"
0.067	4364.0	83.8	1:34	ADJ CHOKE AT 01:33
0.083	4349.0	90.4	1:35	
0.100	4347.0	94.8	1:36	
0.117	4309.0	96.4	1:37	
0.133	4277.0	96.9	1:38	
0.150	4268.0	98.7	1:39	
0.167	4307.0	100.0	1:40	CHANGE TO 20/64"
0.183	4395.0	100.3	1:41	FIXED CHOKE
0.200	4424.0	100.2	1:42	
0.217	4437.0	98.9	1:43	
0.233	4442.0	97.7	1:44	
0.332	4444.0	98.9	1:50	
0.416	4435.0	100.7	1:55	
0.499	4435.0	101.1	1:60	
0.582	4450.0	102.0	2: 5	
0.666	4446.0	102.7	2:10	
0.749	4442.0	103.9	2:15	
0.832	4440.0	104.5	2:20	
0.916	4437.0	104.9	2:25	
0.999	4433.0	106.1	2:30	DIRECT THROUGH SEPERATOR AT 02:20
1.083	4433.0	106.8	2:35	
1.166	4431.0	107.1	2:40	
1.500	4423.0	109.1	2:60	
1.750	4417.0	110.0	3:15	
2.000	4412.0	111.1	3:30	
2.250	4406.0	112.5	3:45	
2.500	4407.0	113.5	3:60	
2.750	4404.0	114.7	4:15	
3.000	4401.0	115.8	4:30	
3.250	4396.0	115.6	4:45	
3.500	4392.0	116.3	4:60	
3.750	4390.0	116.1	5:15	
4.000	4387.0	117.5	5:30	
4.250	4381.0	119.3	5:45	
4.500	4380.0	118.9	5:60	
4.750	4374.0	120.2	6:15	
5.000	4375.0	119.9	6:30	
5.250	4370.0	120.5	6:45	
5.500	4370.0	122.8	6:60	
5.750	4364.0	122.5	7:15	
6.000	4238.0	107.5	7:30	SHUT IN C.M. AT 07:21
6.250	4390.0	111.0	7:45	OPEN ON 12/64" A.C. @ 07:41
6.500	4239.0	123.5	7:60	INC TO 20/64" A.C. AT 07:45
6.750	4145.0	127.2	8:15	
7.000	4068.0	129.1	8:30	
7.233	4028.0	126.1	8:44	END OF FLOW PERIOD

PHILLIPS PETROLEUM CO NORWAY
TOMMELITEN
1/9-6OFFSHORE NORWAY
22 SEPTEMBER 1982
MRSIX-1322-NOR

D.S.T. 2B. WELLHEAD PRESSURES, PROBE SN 023. (FOURTH BUILD UP)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
0.000	4028.0	126.1	8:44	25/ 9/82 SHUT IN CHOKE
0.267	4095.0	104.7	9: 0	MANIFOLD AT 08:44
0.517	4144.0	90.4	9:15	
0.667	4182.0	83.7	9:24	
0.750	4202.0	80.4	9:29	
0.833	4225.0	77.1	9:34	
0.917	4243.0	74.8	9:39	
1.000	4260.0	72.7	9:44	
1.083	4274.0	70.5	9:49	
1.167	4279.0	68.6	9:54	
1.250	4282.0	67.0	9:59	
1.333	4280.0	65.6	10: 4	
1.417	4278.0	64.6	10: 9	
1.500	4274.0	64.3	10:14	
1.583	4280.0	63.3	10:19	
1.667	4283.0	62.5	10:24	
1.750	4282.0	61.7	10:29	END OF TEST

PHILLIPS PETROLEUM CO NORWAY
TOMMELITEN
1/9-6

OFFSHORE NORWAY
22 SEPTEMBER 1982
MRSIX-1322-NOR

D.S.T. 2B. WELLHEAD PRESSURES, PROBE SN 023. (INITIAL FLOW)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
0.000	2252.0		21:45	22/ 9/82 OPEN TO FLOW ON 8/64"
0.017	2078.0		21:46	ADJ. CHOKE
0.033	2081.0		21:47	INCREASE TO 24/64"
0.050	1856.0		21:48	ADJ. CHOKE
0.067	1826.0		21:49	
0.083	1499.0		21:50	
0.100	1526.0		21:51	
0.117	1671.0		21:52	INCREASE TO 32/64"
0.133	1530.0		21:53	ADJ. CHOKE
0.150	1630.0		21:54	
0.167	1672.0		21:55	
0.183	1681.0		21:56	
0.200	1740.0		21:57	
0.217	1776.0		21:58	
0.233	1803.0		21:59	
0.250	1846.0		22: 0	
0.267	1908.0		22: 1	
0.283	2034.0	80.4	22: 2	THERMOCOUPLE CONNECTED
0.300	2134.0	83.3	22: 3	
0.317	2220.0	86.2	22: 4	
0.333	2295.0	88.8	22: 5	
0.350	2339.0	91.1	22: 6	
0.367	2405.0	94.6	22: 7	
0.383	2460.0	97.0	22: 8	
0.400	2545.0	100.4	22: 9	
0.417	2627.0	104.1	22:10	
0.433	2711.0	108.1	22:11	
0.450	2812.0	110.9	22:12	
0.467	2922.0	114.6	22:13	
0.483	3054.0	117.8	22:14	
0.500	3216.0	121.8	22:15	
0.517	3341.0	120.4	22:16	
0.533	3428.0	121.9	22:17	
0.550	3432.0	122.2	22:18	
0.567	3457.0	120.9	22:19	
0.583	3452.0	122.2	22:20	
0.600	3382.0	119.9	22:21	
0.617	3304.0	116.1	22:22	
0.633	3239.0	115.2	22:23	
0.650	3188.0	117.6	22:24	END OF FLOW PERIOD

PHILLIPS PETROLEUM CO NORWAY
TOMMELITEN
1/9-6

OFFSHORE NORWAY
22 SEPTEMBER 1982
MRPG-1359-NOR

D.S.T. 2B, RUN 1. GAUGE 0125, SENSING DEPTH 11912.25 FT. (FOURTH FLOW PERIOD)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
2.067	6385.836	275.2	3:33	25/ 9/82
2.100	6384.379	275.2	3:35	
2.133	6384.379	275.2	3:37	
2.233	6380.491	275.2	3:43	
2.267	6377.576	275.2	3:45	
2.300	6376.604	275.2	3:47	
2.333	6376.118	275.2	3:49	
2.400	6371.745	275.2	3:53	
2.433	6371.745	275.2	3:55	
2.467	6369.315	275.2	3:57	
2.500	6368.830	275.2	3:59	
2.533	6367.372	275.2	4: 1	
2.567	6366.400	275.2	4: 3	
2.600	6365.428	275.2	4: 5	
2.633	6363.970	275.2	4: 7	
2.667	6361.541	275.2	4: 9	
2.700	6361.055	275.2	4:11	
2.767	6359.597	275.2	4:15	
2.833	6355.710	275.2	4:19	
2.867	6355.710	275.2	4:21	
2.900	6354.738	275.2	4:23	
2.967	6352.795	275.2	4:27	
3.000	6350.851	275.2	4:29	
3.033	6350.365	275.2	4:31	
3.067	6349.393	275.2	4:33	
3.100	6347.935	275.2	4:35	
3.200	6345.992	275.2	4:41	
3.233	6344.534	275.2	4:43	
3.267	6344.048	275.2	4:45	
3.300	6343.562	275.2	4:47	
3.333	6343.076	275.2	4:49	
3.400	6340.161	275.2	4:53	
3.433	6339.675	275.2	4:55	
3.500	6338.217	275.2	4:59	
3.533	6336.760	275.2	5: 1	
3.567	6337.246	275.2	5: 3	
3.600	6335.788	275.2	5: 5	
3.633	6333.844	275.2	5: 7	
3.667	6333.844	275.2	5: 9	
3.700	6332.872	275.2	5:11	
3.733	6332.872	275.2	5:13	
3.767	6331.415	275.2	5:15	
3.800	6330.929	275.2	5:17	
3.833	6329.471	275.2	5:19	
3.867	6328.499	275.2	5:21	
3.900	6328.013	275.2	5:23	
3.933	6328.013	275.2	5:25	
3.967	6326.556	275.2	5:27	
4.000	6325.584	275.2	5:29	
4.033	6325.584	275.2	5:31	

PHILLIPS PETROLEUM CO NORWAY
TOMMELITEN
1/9-6OFFSHORE NORWAY
22 SEPTEMBER 1982
MRPG-1359-NOR

D.S.T. 2B, RUN 1. GAUGE 0125, SENSING DEPTH 11912.25 FT. (FOURTH FLOW PERIOD)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME
4.067	6323.640	275.2	5:33 25/ 9/82
4.100	6323.154	275.2	5:35
4.133	6321.696	275.2	5:37
4.167	6321.211	275.2	5:39
4.200	6320.725	275.2	5:41
4.233	6319.267	275.2	5:43
4.267	6318.295	275.2	5:45
4.300	6317.323	275.2	5:47
4.367	6316.351	275.2	5:51
4.400	6314.408	275.2	5:53
4.433	6313.922	275.2	5:55
4.500	6313.436	275.2	5:59
4.567	6311.006	275.2	6: 3
4.600	6309.549	275.2	6: 5
4.633	6309.549	275.2	6: 7
4.667	6308.091	275.2	6: 9
4.700	6307.119	275.2	6:11
4.733	6307.605	275.2	6:13
4.767	6307.605	275.2	6:15
4.800	6306.633	275.2	6:17
4.833	6304.690	275.2	6:19
4.867	6304.204	275.2	6:21
4.900	6304.690	275.2	6:23
4.933	6304.204	275.2	6:25
4.967	6301.288	275.2	6:27

END OF READINGS

PHILLIPS PETROLEUM CO NORWAY
TOMMELITEN
1/9-6

OFFSHORE NORWAY
22 SEPTEMBER 1982
MRPG-1359-NOR

D.S.T. 2B, RUN 1. GAUGE 0125, SENSING DEPTH 11912.25 FT. (FOURTH FLOW PERIOD)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
0.000	6631.220	273.8	1:29	25/ 9/82 OPEN WELL ON 12/64"
0.033	6595.263	273.8	1:31	ADJ CHOKE AT 01:30
0.067	6532.095	273.8	1:33	INCREASE TO 20/64"
0.100	6504.884	273.8	1:35	ADJ CHOKE AT 01:33
0.133	6475.244	273.8	1:37	
0.167	6466.497	273.8	1:39	
0.200	6492.736	273.8	1:41	CHANGE TO 20/64"
0.267	6498.567	274.5	1:45	FIXED CHOKE AT 01:40
0.300	6496.624	274.5	1:47	
0.367	6490.307	274.5	1:51	
0.433	6484.962	274.5	1:55	
0.467	6481.074	274.5	1:57	
0.500	6478.645	274.5	1:59	
0.533	6476.701	274.5	2: 1	
0.567	6475.244	274.5	2: 3	
0.633	6468.441	274.5	2: 7	
0.667	6465.525	274.5	2: 9	
0.700	6463.096	274.5	2:11	
0.733	6460.666	274.5	2:13	
0.767	6457.265	274.5	2:15	
0.800	6455.807	274.5	2:17	
0.867	6450.462	274.5	2:21	
0.900	6446.575	274.5	2:23	DIRECT THROUGH SEPERATOR
0.933	6444.631	274.5	2:25	AT 02:20
1.000	6440.258	274.5	2:29	
1.067	6435.399	274.5	2:33	
1.133	6431.026	274.5	2:37	
1.200	6427.139	274.5	2:41	
1.233	6425.195	274.5	2:43	
1.300	6422.280	274.5	2:47	
1.333	6418.878	275.2	2:49	
1.367	6418.392	275.2	2:51	
1.433	6414.991	275.2	2:55	
1.467	6412.561	275.2	2:57	
1.500	6411.590	275.2	2:59	
1.533	6410.132	275.2	3: 1	
1.567	6408.188	275.2	3: 3	
1.600	6406.245	275.2	3: 5	
1.633	6404.301	275.2	3: 7	
1.667	6403.329	275.2	3: 9	
1.700	6402.357	275.2	3:11	
1.733	6400.414	275.2	3:13	
1.767	6397.012	275.2	3:15	
1.800	6397.012	275.2	3:17	
1.833	6395.555	275.2	3:19	
1.900	6390.695	275.2	3:23	
1.933	6390.210	275.2	3:25	
1.967	6390.695	275.2	3:27	
2.000	6389.724	275.2	3:29	
2.033	6387.780	275.2	3:31	

PHILLIPS PETROLEUM CO NORWAY
TOMMELITEN
1/9-6

OFFSHORE NORWAY
22 SEPTEMBER 1982
MRPG-1359-NOR

D.S.T. 2B; RUN 1. GAUGE 0125; SENSING DEPTH 11912.25 FT. (THIRD BUILD UP PERIOD)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
0.000	6347.935	275.2	23:25	24/ 9/82
0.033	6378.548	275.2	23:27	
0.067	6401.385	275.2	23:29	
0.100	6417.420	275.2	23:31	
0.133	6429.082	275.2	23:33	
0.167	6437.343	275.2	23:35	
0.200	6444.631	275.2	23:37	
0.267	6459.694	275.2	23:41	
0.300	6466.011	275.9	23:43	
0.333	6469.413	275.9	23:45	
0.367	6475.244	275.9	23:47	
0.400	6480.103	275.9	23:49	
0.433	6483.018	275.9	23:51	
0.500	6486.905	275.2	23:55	
0.567	6495.652	275.2	23:59	
0.633	6505.370	275.2	0: 3	25/ 9/82
0.667	6510.715	275.2	0: 5	
0.733	6518.975	275.2	0: 9	
0.833	6529.665	274.5	0:15	
0.933	6539.383	274.5	0:21	
0.967	6544.243	274.5	0:23	
1.000	6547.158	274.5	0:25	
1.033	6549.588	274.5	0:27	
1.100	6555.904	274.5	0:31	
1.133	6560.278	274.5	0:33	
1.167	6563.193	274.5	0:35	
1.233	6569.024	274.5	0:39	
1.267	6572.425	274.5	0:41	
1.333	6578.256	273.8	0:45	
1.433	6586.517	273.8	0:51	
1.533	6594.291	273.8	0:57	
1.567	6597.693	273.8	0:59	
1.633	6601.094	273.8	1: 3	
1.700	6604.981	273.8	1: 7	
1.733	6609.354	273.8	1: 9	
1.767	6612.756	273.8	1:11	
1.800	6614.699	273.8	1:13	
1.867	6621.502	273.8	1:17	
1.900	6621.988	273.8	1:19	
1.933	6622.960	273.8	1:21	
1.967	6625.389	273.8	1:23	
2.000	6630.734	273.8	1:25	
2.033	6634.622	273.8	1:27	
2.067	6631.220	273.8	1:29	

END OF BUILD UP PERIOD

PHILLIPS PETROLEUM CO NORWAY
TOMMELITEN
1/9-6

OFFSHORE NORWAY
22 SEPTEMBER 1982
MRPG-1359-NOR

D.S.T. 2B, RUN 1. GAUGE 0125, SENSING DEPTH 11912.25 FT. (THIRD FLOW PERIOD)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
5.433	6412.561	275.2	20:45	24/ 9/82
5.467	6412.561	275.2	20:47	
5.533	6409.646	275.2	20:51	
5.567	6409.160	275.2	20:53	
5.667	6406.245	275.2	20:59	
5.733	6405.759	275.2	21: 3	
5.767	6404.787	275.2	21: 5	
5.800	6403.329	275.2	21: 7	
5.833	6402.843	275.2	21: 9	
5.900	6401.385	275.2	21:13	
5.967	6398.470	275.2	21:17	
6.000	6398.470	275.2	21:19	
6.033	6397.984	275.2	21:21	
6.100	6395.555	275.2	21:25	
6.133	6394.583	275.2	21:27	
6.167	6394.097	275.2	21:29	
6.200	6393.125	275.2	21:31	
6.300	6390.210	275.2	21:37	
6.333	6390.210	275.2	21:39	
6.400	6387.780	275.2	21:43	
6.500	6385.836	275.2	21:49	
6.567	6382.921	275.2	21:53	
6.600	6382.921	275.2	21:55	
6.633	6381.949	275.2	21:57	
6.700	6378.062	275.2	22: 1	
6.733	6378.062	275.2	22: 3	
6.800	6376.604	275.2	22: 7	
6.900	6373.689	275.2	22:13	
7.000	6370.773	275.2	22:19	
7.033	6370.287	275.2	22:21	
7.100	6368.344	275.2	22:25	
7.167	6366.400	275.2	22:29	
7.233	6364.942	275.2	22:33	
7.267	6363.970	275.2	22:35	
7.300	6362.999	275.2	22:37	
7.333	6362.999	275.2	22:39	
7.400	6361.055	275.2	22:43	
7.467	6359.597	275.2	22:47	
7.500	6359.597	275.2	22:49	
7.567	6357.168	275.2	22:53	
7.633	6357.168	275.2	22:57	
7.700	6354.738	275.2	23: 1	
7.767	6354.252	275.2	23: 5	
7.833	6352.795	275.2	23: 9	
7.867	6351.337	275.2	23:11	
7.933	6350.851	275.2	23:15	
7.967	6349.879	275.2	23:17	
8.067	6348.421	275.2	23:23	
8.100	6347.935	275.2	23:25	

END OF FLOW PERIOD

PHILLIPS PETROLEUM CO NORWAY
TOMMELITEN
1/9-6

OFFSHORE NORWAY
22 SEPTEMBER 1982
MRPG-1359-NOR

D.S.T. 2B, RUN 1. GAUGE 0125, SENSING DEPTH 11912.25 FT. (THIRD FLOW PERIOD)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
2.600	6522.377	274.5	17:55	24/ 9/82
2.633	6520.433	274.5	17:57	
2.667	6518.975	274.5	17:59	
2.700	6516.546	274.5	18: 1	
2.733	6514.116	274.5	18: 3	
2.800	6511.687	274.5	18: 7	
2.867	6507.799	274.5	18:11	
2.900	6505.856	274.5	18:13	
3.000	6500.997	274.5	18:19	
3.100	6496.624	274.5	18:25	
3.167	6491.764	274.5	18:29	
3.200	6490.793	274.5	18:31	
3.233	6489.821	274.5	18:33	
3.300	6485.934	274.5	18:37	
3.333	6484.476	274.5	18:39	
3.367	6483.990	274.5	18:41	
3.400	6482.046	274.5	18:43	
3.433	6480.589	274.5	18:45	
3.467	6479.131	274.5	18:47	
3.500	6479.131	274.5	18:49	
3.600	6474.758	274.5	18:55	
3.667	6472.814	274.5	18:59	
3.767	6468.441	274.5	19: 5	
3.800	6468.441	274.5	19: 7	
3.867	6466.011	274.5	19:11	
3.900	6464.068	274.5	19:13	
3.967	6462.124	274.5	19:17	
4.067	6457.265	274.5	19:23	
4.100	6456.779	274.5	19:25	
4.167	6455.321	274.5	19:29	
4.233	6451.920	274.5	19:33	
4.267	6452.406	274.5	19:35	
4.300	6450.948	274.5	19:37	
4.367	6448.033	274.5	19:41	
4.533	6442.688	274.5	19:51	
4.567	6442.688	274.5	19:53	
4.600	6441.230	274.5	19:55	
4.633	6438.800	274.5	19:57	
4.667	6437.829	274.5	19:59	
4.733	6435.885	274.5	20: 3	
4.833	6431.026	274.5	20: 9	
4.933	6428.596	275.2	20:15	
5.000	6425.681	275.2	20:19	
5.067	6423.737	275.2	20:23	
5.133	6421.308	275.2	20:27	
5.200	6419.850	275.2	20:31	
5.300	6416.935	275.2	20:37	
5.333	6415.963	275.2	20:39	
5.367	6414.505	275.2	20:41	
5.400	6413.047	275.2	20:43	

PHILLIPS PETROLEUM CO NORWAY
TOMMELITEN
1/9-6

OFFSHORE NORWAY
22 SEPTEMBER 1982
MRPG-1359-NOR

D.S.T. 2B, RUN 1. GAUGE 0125, SENSING DEPTH 11912.25 FT. (THIRD FLOW PERIOD)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
0.000	6873.689	268.1	15:19	24/ 9/82 OPEN TO FLOW ON 12/64"
0.033	6837.731	268.8	15:21	ADJ CHOKE AT 15:20
0.067	6748.324	269.5	15:23	INC TO 16/64" A.C. AT 15:21
0.100	6724.029	270.2	15:25	INC TO 20/64" A.C. AT 15:24
0.133	6697.790	270.9	15:27	
0.167	6685.642	271.6	15:29	CHANGE TO 20/64" FIXED
0.200	6710.423	272.4	15:31	CHOKE AT 15:30
0.233	6709.451	272.4	15:33	
0.267	6707.508	272.4	15:35	
0.300	6702.649	273.1	15:37	
0.333	6697.790	273.1	15:39	DIRECT THROUGH SEPERATOR
0.367	6694.388	273.1	15:41	AT 15:39
0.400	6690.987	273.1	15:43	
0.467	6683.212	273.1	15:47	
0.500	6682.241	273.1	15:49	
0.567	6675.438	273.1	15:53	
0.600	6671.551	273.1	15:55	
0.667	6664.748	273.1	15:59	
0.733	6658.917	273.1	16: 3	
0.800	6650.171	273.1	16: 7	
0.833	6646.283	273.1	16: 9	
0.867	6643.854	273.8	16:11	
0.900	6638.995	273.8	16:13	
0.933	6636.079	273.8	16:15	
1.033	6626.847	273.8	16:21	
1.100	6620.530	273.8	16:25	
1.133	6617.615	273.8	16:27	
1.167	6615.185	273.8	16:29	
1.233	6607.897	273.8	16:33	
1.333	6600.608	273.8	16:39	
1.367	6597.207	273.8	16:41	
1.433	6592.348	273.8	16:45	
1.533	6585.545	273.8	16:51	
1.633	6578.742	273.8	16:57	
1.700	6573.397	273.8	17: 1	
1.733	6571.453	274.5	17: 3	
1.833	6565.137	274.5	17: 9	
1.900	6561.249	274.5	17:13	
1.967	6556.876	274.5	17:17	
2.033	6553.475	274.5	17:21	
2.100	6549.102	274.5	17:25	
2.167	6545.214	274.5	17:29	
2.200	6543.271	274.5	17:31	
2.233	6540.841	274.5	17:33	
2.267	6538.898	274.5	17:35	
2.300	6536.954	274.5	17:37	
2.367	6535.010	274.5	17:41	
2.400	6533.067	274.5	17:43	
2.467	6528.693	274.5	17:47	
2.500	6527.722	274.5	17:49	

PHILLIPS PETROLEUM CO NORWAY
TOMMELITEN
1/9-6

OFFSHORE NORWAY
22 SEPTEMBER 1982
MRPG-1359-NOR

D.S.T. 2B; RUN 1. GAUGE 0125; SENSING DEPTH 11912.25 FT. (SECOND BUILD UP PERIOD)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
21.367	6859.111	268.1	13:57	24/ 9/82
21.400	6859.597	268.1	13:59	
21.467	6859.111	268.1	14: 3	
21.533	6861.055	268.1	14: 7	
21.567	6860.083	268.1	14: 9	
21.633	6860.569	268.1	14:13	
21.667	6861.055	268.1	14:15	
21.700	6861.055	268.1	14:17	
21.733	6861.055	268.1	14:19	
21.800	6862.513	268.1	14:23	
21.833	6862.999	268.1	14:25	
21.867	6862.513	268.1	14:27	
21.933	6862.999	268.1	14:31	
22.000	6864.456	268.1	14:35	
22.033	6863.485	268.1	14:37	
22.067	6863.970	268.1	14:39	
22.133	6865.914	268.1	14:43	
22.167	6865.428	268.1	14:45	
22.233	6865.914	268.1	14:49	
22.267	6866.886	268.1	14:51	
22.367	6867.372	268.1	14:57	
22.400	6868.830	268.1	14:59	
22.433	6868.830	268.1	15: 1	
22.467	6869.315	268.1	15: 3	
22.500	6869.315	268.1	15: 5	
22.533	6869.801	268.1	15: 7	
22.600	6871.259	268.1	15:11	
22.667	6871.745	268.1	15:15	
22.700	6873.203	268.1	15:17	
22.733	6873.689	268.1	15:19	

END OF BUILD UP PERIOD

20.367	6845.992	268.1	12:57
20.500	6848.907	268.8	13: 5
20.533	6849.393	268.1	13: 7
20.567	6848.907	268.1	13: 9

PHILLIPS PETROLEUM CO NORWAY
TOMMELITEN
1/9-6

OFFSHORE NORWAY
22 SEPTEMBER 1982
MRPG-1359-NOR

.S.T. 2B; RUN 1. GAUGE 0125; SENSING DEPTH 11912.25 FT. (SECOND BUILD UP PERIOD)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME
19.000	6828.985	268.8	11:35 24/ 9/82
19.033	6828.985	268.8	11:37
19.100	6831.415	268.8	11:41
19.133	6831.415	268.8	11:43
19.167	6830.929	268.8	11:45
19.200	6831.415	268.8	11:47
19.233	6832.386	268.8	11:49
19.300	6832.872	268.8	11:53
19.367	6833.358	268.8	11:57
19.400	6833.844	268.8	11:59
19.467	6833.358	268.8	12: 3
19.500	6835.302	268.8	12: 5
19.533	6835.302	268.8	12: 7
19.567	6835.302	268.8	12: 9
19.600	6834.816	268.8	12:11
19.667	6837.245	268.8	12:15
19.733	6835.788	268.8	12:19
19.800	6837.731	268.8	12:23
19.833	6838.217	268.8	12:25
19.867	6837.731	268.8	12:27
19.900	6838.703	268.8	12:29
19.933	6839.675	268.8	12:31
20.067	6841.619	268.8	12:39
20.100	6841.619	268.8	12:41
20.133	6841.619	268.8	12:43
20.167	6842.105	268.8	12:45
20.200	6843.562	268.8	12:47
20.233	6845.020	268.8	12:49
20.267	6844.048	268.8	12:51
20.333	6845.506	268.1	12:55
20.367	6845.992	268.1	12:57
20.500	6848.907	268.8	13: 5
20.533	6849.393	268.1	13: 7
20.567	6848.907	268.1	13: 9
20.600	6848.907	268.1	13:11
20.633	6850.365	268.1	13:13
20.667	6850.851	268.1	13:15
20.733	6850.365	268.1	13:19
20.767	6851.823	268.1	13:21
20.867	6852.795	268.1	13:27
20.933	6854.252	268.1	13:31
20.967	6854.738	268.1	13:33
21.000	6854.252	268.1	13:35
21.033	6854.252	268.1	13:37
21.067	6855.224	268.1	13:39
21.133	6856.196	268.1	13:43
21.200	6856.682	268.1	13:47
21.233	6858.140	268.1	13:49
21.267	6858.140	268.1	13:51
21.333	6857.654	268.1	13:55

PHILLIPS PETROLEUM CO NORWAY
TOMMELITEN
1/9-6

OFFSHORE NORWAY
22 SEPTEMBER 1982
MRPG-1359-NOR

.S.T. 2B; RUN 1. GAUGE 0125; SENSING DEPTH 11912.25 FT. (SECOND BUILD UP PERIOD)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME
16.500	6790.112	268.8	9: 5 24/ 9/82
16.533	6791.570	268.8	9: 7
16.567	6792.542	268.8	9: 9
16.600	6793.514	268.8	9:11
16.667	6793.514	268.8	9:15
16.733	6795.943	268.8	9:19
16.767	6795.943	268.8	9:21
16.800	6795.943	268.8	9:23
16.833	6796.429	268.8	9:25
16.867	6797.401	268.8	9:27
16.933	6798.859	268.8	9:31
16.967	6798.373	268.8	9:33
17.033	6800.316	268.8	9:37
17.133	6800.802	268.8	9:43
17.167	6802.260	268.8	9:45
17.233	6802.260	268.8	9:49
17.267	6801.774	268.8	9:51
17.300	6803.718	268.8	9:53
17.367	6803.718	268.8	9:57
17.400	6803.718	268.8	9:59
17.433	6804.690	268.8	10: 1
17.500	6806.147	268.8	10: 5
17.533	6805.175	268.8	10: 7
17.567	6805.661	268.8	10: 9
17.600	6807.605	268.8	10:11
17.633	6807.605	268.8	10:13
17.667	6807.119	268.8	10:15
17.733	6809.063	268.8	10:19
17.800	6809.549	268.8	10:23
17.833	6810.035	268.8	10:25
17.867	6811.492	268.8	10:27
17.933	6811.978	268.8	10:31
18.000	6812.464	268.8	10:35
18.033	6814.408	268.8	10:37
18.133	6814.894	268.8	10:43
18.167	6815.865	268.8	10:45
18.200	6816.837	268.8	10:47
18.267	6817.323	268.8	10:51
18.300	6817.809	268.8	10:53
18.333	6819.753	268.8	10:55
18.400	6820.239	268.8	10:59
18.433	6820.725	268.8	11: 1
18.500	6822.668	268.8	11: 5
18.600	6824.126	268.8	11:11
18.667	6825.098	268.8	11:15
18.700	6825.098	268.8	11:17
18.733	6825.584	268.8	11:19
18.800	6827.527	268.8	11:23
18.867	6828.013	268.8	11:27
18.900	6828.985	268.8	11:29

PHILLIPS PETROLEUM CO NORWAY
TOMMELITEN
1/9-6

OFFSHORE NORWAY
22 SEPTEMBER 1982
MRPG-1359-NOR

D.S.T. 2B, RUN 1. GAUGE 0125, SENSING DEPTH 11912.25 FT. (SECOND BUILD UP PERIOD)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME
14.567	6753.183	268.8	7: 9 24/ 9/82
14.600	6753.669	268.8	7:11
14.633	6755.613	268.8	7:13
14.667	6756.585	268.8	7:15
14.700	6756.099	268.8	7:17
14.767	6757.071	268.8	7:21
14.800	6758.528	268.8	7:23
14.833	6759.014	268.8	7:25
14.867	6759.014	268.8	7:27
14.900	6758.528	268.8	7:29
14.933	6759.986	268.8	7:31
14.967	6761.444	268.8	7:33
15.000	6761.444	268.8	7:35
15.033	6760.958	268.8	7:37
15.100	6763.873	268.8	7:41
15.200	6763.387	268.8	7:47
15.233	6765.331	268.8	7:49
15.267	6765.817	268.8	7:51
15.300	6765.817	268.8	7:53
15.333	6765.817	268.8	7:55
15.367	6766.789	268.8	7:57
15.400	6768.246	268.8	7:59
15.467	6768.246	268.8	8: 3
15.500	6769.218	268.8	8: 5
15.567	6771.648	268.8	8: 9
15.600	6770.676	268.8	8:11
15.633	6772.134	268.8	8:13
15.667	6773.591	268.8	8:15
15.700	6774.077	268.8	8:17
15.733	6774.563	268.8	8:19
15.767	6774.563	268.8	8:21
15.800	6776.021	268.8	8:23
15.833	6777.479	268.8	8:25
15.867	6777.479	268.8	8:27
15.900	6776.993	268.8	8:29
15.933	6778.451	268.8	8:31
15.967	6780.394	268.8	8:33
16.000	6780.880	268.8	8:35
16.033	6780.394	268.8	8:37
16.067	6781.366	268.8	8:39
16.100	6783.310	268.8	8:41
16.133	6783.796	268.8	8:43
16.167	6784.281	268.8	8:45
16.200	6784.281	268.8	8:47
16.267	6786.711	268.8	8:51
16.333	6786.711	268.8	8:55
16.367	6788.169	268.8	8:57
16.400	6789.626	268.8	8:59
16.433	6790.112	268.8	9: 1
16.467	6790.112	268.8	9: 3

PHILLIPS PETROLEUM CO NORWAY
TOMMELITEN
1/9-6

OFFSHORE NORWAY
22 SEPTEMBER 1982
MRPG-1359-NOR

D.S.T. 2B; RUN 1. GAUGE 0125; SENSING DEPTH 11912.25 FT. (SECOND BUILD UP PERIOD)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
12.300	6696.332	269.5	4:53	24/ 9/82
12.333	6697.304	269.5	4:55	
12.367	6699.247	269.5	4:57	
12.400	6698.762	269.5	4:59	
12.467	6699.733	269.5	5: 3	
12.500	6702.163	269.5	5: 5	
12.533	6702.163	269.5	5: 7	
12.567	6706.050	269.5	5: 9	
12.600	6702.649	269.5	5:11	
12.667	6705.564	269.5	5:15	
12.700	6707.994	269.5	5:17	
12.767	6706.536	269.5	5:21	
12.867	6708.480	269.5	5:27	
12.933	6709.937	269.5	5:31	
12.967	6710.909	269.5	5:33	
13.033	6711.881	269.5	5:37	
13.067	6713.339	269.5	5:39	
13.100	6715.768	269.5	5:41	
13.167	6716.740	269.5	5:45	
13.233	6718.684	269.5	5:49	
13.333	6723.543	269.5	5:55	
13.367	6723.057	269.5	5:57	
13.400	6725.486	269.5	5:59	
13.433	6726.458	269.5	6: 1	
13.467	6724.515	269.5	6: 3	
13.533	6728.888	269.5	6: 7	
13.567	6729.374	269.5	6: 9	
13.633	6730.346	269.5	6:13	
13.700	6733.261	269.5	6:17	
13.733	6734.719	269.5	6:19	
13.767	6734.719	269.5	6:21	
13.800	6734.719	268.8	6:23	
13.833	6736.176	268.8	6:25	
13.867	6737.634	269.5	6:27	
13.900	6738.606	268.8	6:29	
13.933	6739.092	268.8	6:31	
14.000	6741.036	269.5	6:35	
14.033	6742.007	268.8	6:37	
14.100	6742.979	269.5	6:41	
14.133	6742.979	268.8	6:43	
14.167	6744.437	268.8	6:45	
14.200	6745.895	268.8	6:47	
14.233	6746.866	269.5	6:49	
14.300	6747.838	268.8	6:53	
14.333	6749.296	268.8	6:55	
14.400	6747.352	268.8	6:59	
14.433	6749.782	268.8	7: 1	
14.467	6751.240	268.8	7: 3	
14.500	6752.211	268.8	7: 5	
14.533	6753.669	268.8	7: 7	

PHILLIPS PETROLEUM CO NORWAY
TOMMELITEN
1/9-6

OFFSHORE NORWAY
22 SEPTEMBER 1982
MRPG-1359-NOR

D.S.T. 2B, RUN 1, GAUGE 0125, SENSING DEPTH 11912.25 FT. (SECOND BUILD UP PERIOD)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME
10.233	6637.051	269.5	2:49 24/ 9/82
10.267	6638.509	269.5	2:51
10.300	6638.509	269.5	2:53
10.333	6638.509	269.5	2:55
10.367	6640.938	269.5	2:57
10.400	6642.396	269.5	2:59
10.433	6642.396	269.5	3: 1
10.467	6642.882	269.5	3: 3
10.533	6645.312	269.5	3: 7
10.600	6648.227	269.5	3:11
10.633	6646.769	269.5	3:13
10.667	6648.713	269.5	3:15
10.700	6650.657	269.5	3:17
10.733	6651.142	269.5	3:19
10.767	6652.114	269.5	3:21
10.800	6653.086	269.5	3:23
10.833	6653.572	269.5	3:25
10.933	6656.973	269.5	3:31
11.000	6658.431	269.5	3:35
11.100	6660.861	269.5	3:41
11.133	6662.318	269.5	3:43
11.167	6661.832	269.5	3:45
11.200	6662.804	269.5	3:47
11.233	6664.262	269.5	3:49
11.267	6666.692	269.5	3:51
11.300	6666.206	269.5	3:53
11.367	6668.149	269.5	3:57
11.400	6671.551	269.5	3:59
11.433	6672.522	269.5	4: 1
11.467	6672.037	269.5	4: 3
11.500	6673.008	269.5	4: 5
11.567	6676.410	269.5	4: 9
11.600	6676.410	269.5	4:11
11.633	6677.382	269.5	4:13
11.667	6681.269	269.5	4:15
11.700	6679.811	269.5	4:17
11.767	6682.727	269.5	4:21
11.800	6682.241	269.5	4:23
11.833	6684.184	269.5	4:25
11.867	6685.642	269.5	4:27
11.900	6687.100	269.5	4:29
11.933	6686.614	269.5	4:31
11.967	6687.100	269.5	4:33
12.000	6689.529	269.5	4:35
12.067	6691.473	269.5	4:39
12.133	6693.417	269.5	4:43
12.167	6695.846	269.5	4:45
12.200	6693.417	269.5	4:47
12.233	6693.902	269.5	4:49
12.267	6696.332	269.5	4:51

PHILLIPS PETROLEUM CO NORWAY
TOMMELITEN
1/9-6OFFSHORE NORWAY
22 SEPTEMBER 1982
MRPG-1359-NOR

D.S.T. 2B; RUN 1. GAUGE 0125; SENSING DEPTH 11912.25 FT. (SECOND BUILD UP PERIOD)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
8.033	6556.390	270.2	0:37	24/ 9/82
8.067	6558.334	270.2	0:39	
8.100	6559.792	270.2	0:41	
8.133	6560.763	270.2	0:43	
8.167	6562.221	270.2	0:45	
8.200	6564.651	270.2	0:47	
8.233	6566.108	270.2	0:49	
8.300	6568.052	270.2	0:53	
8.367	6571.939	270.2	0:57	
8.400	6572.911	270.2	0:59	
8.433	6573.397	270.2	1: 1	
8.467	6574.855	270.2	1: 3	
8.500	6576.313	270.2	1: 5	
8.533	6577.770	270.2	1: 7	
8.567	6578.256	270.2	1: 9	
8.600	6579.714	270.2	1:11	
8.667	6582.629	270.2	1:15	
8.700	6583.601	270.2	1:17	
8.767	6585.545	270.2	1:21	
8.833	6588.460	270.2	1:25	
8.900	6589.918	270.2	1:29	
8.933	6587.003	270.2	1:31	
8.967	6593.805	270.2	1:33	
9.000	6595.263	270.2	1:35	
9.067	6596.235	270.2	1:39	
9.100	6598.664	270.2	1:41	
9.133	6599.636	270.2	1:43	
9.167	6601.094	270.2	1:45	
9.233	6604.009	270.2	1:49	
9.267	6605.467	270.2	1:51	
9.300	6606.925	270.2	1:53	
9.333	6607.411	270.2	1:55	
9.367	6607.411	270.2	1:57	
9.433	6612.756	270.2	2: 1	
9.533	6611.784	270.2	2: 7	
9.567	6613.242	270.2	2: 9	
9.600	6615.185	270.2	2:11	
9.633	6615.671	270.2	2:13	
9.667	6616.157	270.2	2:15	
9.700	6618.587	270.2	2:17	
9.767	6621.502	270.2	2:21	
9.833	6622.960	270.2	2:25	
9.900	6626.361	270.2	2:29	
9.933	6627.819	269.5	2:31	
9.967	6628.305	269.5	2:33	
10.000	6632.192	269.5	2:35	
10.033	6634.622	269.5	2:37	
10.067	6636.565	269.5	2:39	
10.133	6633.650	269.5	2:43	
10.200	6636.079	269.5	2:47	

7.767	6543.757	270.2	0:21
7.800	6544.728	270.2	0:23
7.833	6546.186	270.2	0:25
7.867	6549.102	270.2	0:27
7.900	6550.559	270.2	0:29

PHILLIPS PETROLEUM CO NORWAY
TOMMELITEN
1/9-6OFFSHORE NORWAY
22 SEPTEMBER 1982
MRPG-1359-NOR

D.S.T. 2B; RUN 1. GAUGE 0125; SENSING DEPTH 11912.25 FT. (SECOND BUILD UP PERIOD)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
6.033	6450.462	270.9	22:37	23/ 9/82
6.067	6452.406	270.9	22:39	
6.100	6453.378	270.9	22:41	
6.133	6455.807	270.9	22:43	
6.167	6457.751	270.9	22:45	
6.200	6463.096	270.9	22:47	
6.267	6466.011	270.9	22:51	
6.300	6467.955	270.9	22:53	
6.333	6468.927	270.9	22:55	
6.367	6467.955	270.9	22:57	
6.400	6470.870	270.9	22:59	
6.433	6471.842	270.9	23: 1	
6.500	6479.617	270.9	23: 5	
6.533	6481.074	270.9	23: 7	
6.567	6482.532	270.9	23: 9	
6.600	6483.504	270.9	23:11	
6.633	6485.934	270.9	23:13	
6.667	6487.391	270.9	23:15	
6.700	6489.335	270.9	23:17	
6.733	6490.307	270.9	23:19	
6.800	6494.680	270.9	23:23	
6.833	6496.138	270.9	23:25	
6.900	6499.053	270.9	23:29	
6.933	6501.483	270.9	23:31	
7.000	6504.398	270.9	23:35	
7.033	6505.856	270.9	23:37	
7.067	6507.799	270.9	23:39	
7.100	6510.229	270.9	23:41	
7.133	6512.173	270.9	23:43	
7.200	6514.602	270.9	23:47	
7.267	6519.461	270.9	23:51	
7.300	6520.433	270.9	23:53	
7.333	6521.891	270.9	23:55	
7.367	6523.834	270.9	23:57	
7.400	6525.292	270.9	23:59	
7.433	6527.722	270.9	0: 1	24/ 9/82
7.467	6529.665	270.9	0: 3	
7.500	6530.151	270.9	0: 5	
7.533	6531.609	270.9	0: 7	
7.600	6535.982	270.2	0:11	
7.633	6536.954	270.9	0:13	
7.667	6538.412	270.2	0:15	
7.700	6540.355	270.2	0:17	
7.733	6542.785	270.2	0:19	
7.767	6543.757	270.2	0:21	
7.800	6544.728	270.2	0:23	
7.833	6546.186	270.2	0:25	
7.867	6549.102	270.2	0:27	
7.900	6550.559	270.2	0:29	
8.000	6554.447	270.2	0:35	

PHILLIPS PETROLEUM CO NORWAY
TOMMELITEN
1/9-6OFFSHORE NORWAY
22 SEPTEMBER 1982
MRPG-1359-NOR

D.S.T. 2B; RUN 1. GAUGE 0125; SENSING DEPTH 11912.25 FT. (SECOND BUILD UP PERIOD)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
4.000	6302.260	272.4	20:35	23/ 9/82
4.033	6306.147	272.4	20:37	
4.067	6307.605	272.4	20:39	
4.100	6308.577	272.4	20:41	
4.133	6310.521	272.4	20:43	
4.200	6318.295	272.4	20:47	
4.267	6326.070	272.4	20:51	
4.300	6325.584	272.4	20:53	
4.333	6330.443	272.4	20:55	
4.367	6334.816	272.4	20:57	
4.400	6333.844	272.4	20:59	
4.433	6340.161	272.4	21: 1	
4.500	6345.020	272.4	21: 5	
4.567	6350.851	272.4	21: 9	
4.600	6353.766	272.4	21:11	
4.633	6355.710	272.4	21:13	
4.667	6354.252	272.4	21:15	
4.700	6361.055	272.4	21:17	
4.733	6363.970	272.4	21:19	
4.767	6361.541	271.6	21:21	
4.800	6363.485	271.6	21:23	
4.867	6370.287	271.6	21:27	
4.900	6373.203	271.6	21:29	
4.933	6374.175	271.6	21:31	
4.967	6380.005	271.6	21:33	
5.033	6380.977	271.6	21:37	
5.067	6386.808	271.6	21:39	
5.100	6387.294	271.6	21:41	
5.133	6388.266	271.6	21:43	
5.167	6390.695	271.6	21:45	
5.200	6395.555	271.6	21:47	
5.267	6399.442	271.6	21:51	
5.333	6404.301	271.6	21:55	
5.367	6407.216	271.6	21:57	
5.400	6410.618	271.6	21:59	
5.433	6413.533	271.6	22: 1	
5.467	6412.561	271.6	22: 3	
5.500	6417.906	271.6	22: 5	
5.533	6417.906	271.6	22: 7	
5.567	6422.280	271.6	22: 9	
5.600	6424.223	271.6	22:11	
5.667	6427.625	271.6	22:15	
5.733	6433.455	271.6	22:19	
5.767	6436.371	271.6	22:21	
5.800	6438.314	271.6	22:23	
5.833	6440.258	271.6	22:25	
5.867	6442.202	270.9	22:27	
5.900	6443.659	270.9	22:29	
5.933	6443.659	270.9	22:31	
5.967	6446.089	270.9	22:33	

PHILLIPS PETROLEUM CO NORWAY
TOMMELITEN
1/9-6

OFFSHORE NORWAY
22 SEPTEMBER 1982
MRPG-1359-NOR

D.S.T. 2B; RUN 1. GAUGE 0125; SENSING DEPTH 11912.25 FT. (SECOND BUILD UP PERIOD)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
1.867	6040.841	274.5	18:27	23/ 9/82
1.933	6050.074	274.5	18:31	
1.967	6055.904	274.5	18:33	
2.000	6061.735	274.5	18:35	
2.033	6066.109	274.5	18:37	
2.067	6070.482	274.5	18:39	
2.133	6082.143	273.8	18:43	
2.167	6087.003	273.8	18:45	
2.233	6096.235	273.8	18:49	
2.267	6101.094	273.8	18:51	
2.333	6111.784	273.8	18:55	
2.367	6116.643	273.8	18:57	
2.400	6122.474	273.8	18:59	
2.433	6126.847	273.8	19: 1	
2.467	6131.706	273.8	19: 3	
2.500	6135.593	273.8	19: 5	
2.533	6140.453	273.8	19: 7	
2.567	6141.910	273.8	19: 9	
2.633	6150.657	273.8	19:13	
2.667	6154.544	273.8	19:15	
2.733	6161.832	273.8	19:19	
2.767	6169.121	273.8	19:21	
2.800	6173.494	273.1	19:23	
2.833	6175.924	273.1	19:25	
2.867	6179.325	273.1	19:27	
2.900	6183.698	273.1	19:29	
2.933	6189.043	273.1	19:31	
2.967	6194.874	273.1	19:33	
3.033	6202.649	273.1	19:37	
3.100	6209.937	273.1	19:41	
3.133	6213.825	273.1	19:43	
3.167	6217.712	273.1	19:45	
3.233	6224.029	273.1	19:49	
3.267	6229.860	273.1	19:51	
3.300	6232.775	273.1	19:53	
3.333	6235.691	273.1	19:55	
3.400	6242.979	273.1	19:59	
3.433	6246.867	273.1	20: 1	
3.467	6250.754	273.1	20: 3	
3.500	6254.155	273.1	20: 5	
3.533	6257.071	273.1	20: 7	
3.633	6267.761	272.4	20:13	
3.667	6271.648	273.1	20:15	
3.733	6277.965	272.4	20:19	
3.767	6281.852	272.4	20:21	
3.800	6285.253	272.4	20:23	
3.833	6286.711	272.4	20:25	
3.867	6289.141	272.4	20:27	
3.900	6292.056	272.4	20:29	
3.933	6297.887	272.4	20:31	

PHILLIPS PETROLEUM CO NORWAY
TOMMELITEN
1/9-6OFFSHORE NORWAY
22 SEPTEMBER 1982
MRPG-1359-NOR

D.S.T. 2B, RUN 1. GAUGE 0125, SENSING DEPTH 11912.25 FT. (SECOND BUILD UP PERIOD)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
0.000	5092.348	274.5	16:35	23/ 9/82 WELL SHUT IN AT CHOKE
0.033	5222.085	274.5	16:37	MANIFOLD AT 16:36
0.067	5349.879	274.5	16:39	
0.100	5405.273	275.2	16:41	
0.133	5443.174	275.2	16:43	
0.167	5474.272	275.2	16:45	
0.200	5503.426	275.2	16:47	
0.233	5528.208	275.2	16:49	
0.267	5551.531	275.2	16:51	
0.300	5569.996	275.2	16:53	
0.333	5590.404	275.2	16:55	
0.367	5608.869	275.2	16:57	
0.400	5625.875	275.2	16:59	
0.433	5643.368	275.2	17: 1	
0.467	5658.917	275.2	17: 3	
0.500	5672.523	275.2	17: 5	
0.533	5689.529	275.2	17: 7	
0.567	5702.649	275.2	17: 9	
0.600	5715.282	275.2	17:11	
0.633	5728.888	275.2	17:13	
0.667	5741.036	275.2	17:15	
0.700	5754.155	275.2	17:17	
0.733	5765.817	275.2	17:19	
0.800	5789.627	275.2	17:23	
0.833	5800.317	275.2	17:25	
0.867	5810.521	275.2	17:27	
0.900	5820.239	275.2	17:29	
0.967	5840.161	275.2	17:33	
1.000	5846.964	275.2	17:35	
1.033	5856.682	275.2	17:37	
1.067	5862.999	275.2	17:39	
1.100	5871.259	275.2	17:41	
1.133	5880.977	275.2	17:43	
1.167	5889.724	275.2	17:45	
1.200	5897.984	274.5	17:47	
1.233	5905.273	274.5	17:49	
1.267	5914.505	274.5	17:51	
1.300	5922.765	274.5	17:53	
1.333	5930.054	274.5	17:55	
1.367	5937.343	274.5	17:57	
1.400	5945.117	274.5	17:59	
1.433	5952.892	274.5	18: 1	
1.500	5967.469	274.5	18: 5	
1.567	5982.532	274.5	18: 9	
1.633	5996.624	274.5	18:13	
1.667	6002.454	274.5	18:15	
1.700	6008.771	274.5	18:17	
1.733	6014.116	274.5	18:19	
1.767	6020.433	274.5	18:21	
1.800	6028.694	274.5	18:23	

PHILLIPS PETROLEUM CO NORWAY
TOMMELITEN
1/9-6

OFFSHORE NORWAY
22 SEPTEMBER 1982
MRPG-1359-NOR

D.S.T. 2B, RUN 1. GAUGE 0125, SENSING DEPTH 11912.25 FT. (SECOND FLOW PERIOD)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
15.967	5281.852	274.5	14:45	23/ 9/82
16.033	5276.507	274.5	14:49	
16.067	5270.676	274.5	14:51	
16.100	5267.761	274.5	14:53	
16.133	5264.359	274.5	14:55	
16.167	5259.500	274.5	14:57	
16.200	5256.585	274.5	14:59	
16.267	5251.240	274.5	15: 3	
16.333	5241.522	274.5	15: 7	
16.367	5236.663	274.5	15: 9	
16.400	5232.775	274.5	15:11	
16.433	5228.888	274.5	15:13	
16.467	5226.458	274.5	15:15	
16.533	5218.684	274.5	15:19	
16.567	5213.825	274.5	15:21	
16.600	5209.452	274.5	15:23	
16.633	5207.994	274.5	15:25	
16.667	5204.107	274.5	15:27	
16.733	5197.304	274.5	15:31	
16.767	5192.931	274.5	15:33	
16.833	5186.614	274.5	15:37	
16.867	5181.755	274.5	15:39	
16.900	5179.811	274.5	15:41	
16.933	5175.924	274.5	15:43	
16.967	5172.523	274.5	15:45	
17.033	5167.178	274.5	15:49	
17.100	5162.319	274.5	15:53	
17.133	5157.459	274.5	15:55	
17.200	5152.114	274.5	15:59	
17.233	5147.255	274.5	16: 1	
17.267	5144.826	274.5	16: 3	
17.333	5137.537	274.5	16: 7	
17.367	5136.565	274.5	16: 9	
17.433	5127.819	274.5	16:13	
17.467	5125.875	274.5	16:15	
17.533	5119.559	274.5	16:19	
17.567	5113.728	274.5	16:21	
17.600	5110.812	274.5	16:23	
17.633	5108.383	274.5	16:25	
17.667	5104.495	274.5	16:27	
17.733	5099.150	274.5	16:31	
17.767	5096.721	274.5	16:33	
17.800	5092.348	274.5	16:35	

END OF FLOW PERIOD

PHILLIPS PETROLEUM CO NORWAY
TOMMELITEN
1/9-6

OFFSHORE NORWAY
22 SEPTEMBER 1982
MRPG-1359-NOR

D.S.T. 2B; RUN 1. GAUGE 0125; SENSING DEPTH 11912.25 FT. (SECOND FLOW PERIOD)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
13.867	5602.066	274.5	12:39	23/ 9/82
13.933	5585.059	274.5	12:43	
13.967	5578.256	274.5	12:45	
14.000	5577.770	274.5	12:47	
14.033	5572.425	274.5	12:49	
14.100	5554.933	274.5	12:53	
14.133	5549.588	274.5	12:55	
14.167	5542.299	274.5	12:57	
14.233	5530.637	274.5	13: 1	
14.300	5516.546	274.5	13: 5	
14.333	5509.257	274.5	13: 7	
14.400	5497.110	274.5	13:11	
14.433	5491.279	274.5	13:13	
14.467	5484.962	274.5	13:15	
14.500	5477.673	274.5	13:17	
14.533	5470.870	274.5	13:19	
14.567	5466.011	274.5	13:21	
14.600	5461.638	274.5	13:23	
14.633	5461.152	274.5	13:25	
14.700	5449.005	274.5	13:29	
14.733	5447.061	274.5	13:31	
14.767	5440.744	274.5	13:33	
14.800	5436.857	274.5	13:35	
14.867	5428.111	274.5	13:39	
14.900	5423.737	274.5	13:41	
14.933	5418.392	274.5	13:43	
14.967	5414.019	274.5	13:45	
15.000	5409.160	274.5	13:47	
15.033	5403.329	274.5	13:49	
15.067	5397.498	274.5	13:51	
15.100	5392.639	274.5	13:53	
15.133	5391.181	274.5	13:55	
15.167	5386.808	274.5	13:57	
15.200	5380.006	274.5	13:59	
15.233	5377.576	274.5	14: 1	
15.267	5372.717	274.5	14: 3	
15.300	5368.830	274.5	14: 5	
15.400	5354.738	274.5	14:11	
15.467	5343.562	274.5	14:15	
15.500	5342.105	274.5	14:17	
15.533	5338.217	274.5	14:19	
15.567	5334.330	274.5	14:21	
15.600	5329.471	274.5	14:23	
15.667	5320.239	274.5	14:27	
15.700	5315.380	274.5	14:29	
15.733	5312.464	274.5	14:31	
15.767	5308.091	274.5	14:33	
15.800	5304.204	274.5	14:35	
15.867	5296.429	274.5	14:39	
15.900	5293.028	274.5	14:41	

PHILLIPS PETROLEUM CO NORWAY
TOMMELITEN
1/9-6OFFSHORE NORWAY
22 SEPTEMBER 1982
MRPG-1359-NOR

D.S.T. 2B, RUN 1. GAUGE 0125, SENSING DEPTH 11912.25 FT. (SECOND FLOW PERIOD)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
11.833	6586.031	273.1	10:37	23/ 9/82
11.867	6585.545	273.1	10:39	
11.900	6585.059	273.1	10:41	
11.933	6585.545	273.1	10:43	
11.967	6586.031	273.1	10:45	
12.000	6586.517	273.1	10:47	
12.033	6585.059	273.1	10:49	
12.067	6585.059	272.4	10:51	
12.100	6585.545	272.4	10:53	
12.167	6585.059	272.4	10:57	
12.200	6584.087	272.4	10:59	
12.267	6585.059	273.1	11: 3	
12.300	6585.059	272.4	11: 5	
12.400	6583.115	272.4	11:11	
12.467	6585.059	273.1	11:15	
12.500	6584.087	273.1	11:17	
12.533	6506.342	273.1	11:19	
12.567	6292.542	272.4	11:21	CHANGE TO 32/64"
12.600	6198.276	273.1	11:23	ADJ CHOKE AT 11:20
12.633	6364.942	273.1	11:25	CHANGE TO 32/64"
12.667	6466.497	273.1	11:27	FIXED CHOKE AT 11:26
12.700	6257.556	273.1	11:29	CHANGE TO 32/64"
12.733	6130.734	273.1	11:31	ADJ CHOKE AT 11:31
12.767	6059.792	273.1	11:33	DECREASE TO 28/64"
12.800	6008.771	273.1	11:35	ADJ CHOKE AT 11:37
12.833	5990.307	273.1	11:37	
12.867	5984.962	273.8	11:39	
12.900	5972.328	273.8	11:41	
12.933	5951.920	273.8	11:43	
12.967	5933.455	273.8	11:45	
13.000	5914.505	273.8	11:47	
13.033	5897.012	273.8	11:49	
13.067	5881.949	273.8	11:51	
13.100	5866.400	273.8	11:53	
13.167	5837.731	273.8	11:57	
13.200	5825.098	273.8	11:59	
13.267	5799.345	273.8	12: 3	
13.300	5784.767	273.8	12: 5	
13.333	5772.134	274.5	12: 7	
13.400	5746.867	274.5	12:11	
13.433	5734.719	274.5	12:13	
13.467	5723.543	274.5	12:15	
13.500	5709.938	274.5	12:17	
13.533	5698.762	274.5	12:19	
13.567	5688.558	274.5	12:21	
13.633	5667.663	274.5	12:25	
13.700	5646.769	274.5	12:29	
13.733	5637.051	274.5	12:31	
13.800	5620.044	274.5	12:35	
13.833	5609.354	274.5	12:37	

PHILLIPS PETROLEUM CO NORWAY
TOMMELITEN
1/9-6

OFFSHORE NORWAY
22 SEPTEMBER 1982
MRPG-1359-NOR

D.S.T. 2B; RUN 1. GAUGE 0125; SENSING DEPTH 11912.25 FT. (SECOND FLOW PERIOD)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
9.767	6582.143	272.4	8:33	23/ 9/82
9.800	6581.658	272.4	8:35	
9.833	6580.686	272.4	8:37	
9.867	6581.172	272.4	8:39	
9.933	6582.629	272.4	8:43	
9.967	6582.629	272.4	8:45	
10.033	6581.172	272.4	8:49	
10.067	6582.143	272.4	8:51	
10.133	6582.143	272.4	8:55	
10.167	6581.658	272.4	8:57	
10.200	6580.200	272.4	8:59	
10.233	6582.143	272.4	9: 1	
10.267	6582.629	272.4	9: 3	
10.333	6581.658	272.4	9: 7	
10.367	6580.686	272.4	9: 9	
10.400	6582.143	272.4	9:11	
10.433	6582.143	272.4	9:13	
10.467	6582.629	272.4	9:15	
10.500	6582.143	272.4	9:17	
10.533	6582.143	272.4	9:19	
10.600	6582.143	272.4	9:23	
10.633	6581.658	272.4	9:25	
10.700	6581.172	272.4	9:29	
10.733	6581.658	272.4	9:31	
10.800	6582.629	272.4	9:35	
10.833	6582.143	272.4	9:37	
10.900	6582.629	272.4	9:41	
10.933	6582.629	272.4	9:43	
11.000	6581.658	272.4	9:47	
11.033	6582.143	272.4	9:49	
11.100	6583.601	272.4	9:53	
11.133	6583.601	272.4	9:55	
11.167	6583.115	273.1	9:57	
11.200	6583.115	272.4	9:59	
11.233	6583.601	272.4	10: 1	
11.267	6585.059	272.4	10: 3	
11.300	6584.573	272.4	10: 5	
11.333	6583.115	272.4	10: 7	
11.367	6583.601	272.4	10: 9	
11.400	6584.573	272.4	10:11	
11.467	6585.059	273.1	10:15	
11.500	6583.601	273.1	10:17	
11.533	6583.601	273.1	10:19	
11.567	6585.059	272.4	10:21	
11.600	6586.031	273.1	10:23	
11.633	6585.059	273.1	10:25	
11.667	6585.059	273.1	10:27	
11.700	6584.573	272.4	10:29	
11.767	6585.059	273.1	10:33	
11.800	6585.059	272.4	10:35	
9.767	6574.367	272.4	7:45	
9.000	6574.369	272.4	7:47	
9.033	6574.855	272.4	7:49	
9.067	6575.341	272.4	7:51	
9.100	6576.313	272.4	7:53	

PHILLIPS PETROLEUM CO NORWAY
TOMMELITEN
1/9-6

OFFSHORE NORWAY
22 SEPTEMBER 1982
MRPG-1359-NOR

D.S.T. 2B; RUN 1. GAUGE 0125; SENSING DEPTH 11912.25 FT. (SECOND FLOW PERIOD)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
7.733	6564.165	272.4	6:31	23/ 9/82
7.800	6563.679	272.4	6:35	
7.833	6565.137	272.4	6:37	
7.867	6566.108	272.4	6:39	
7.900	6567.566	272.4	6:41	
7.933	6566.108	272.4	6:43	
8.000	6567.566	272.4	6:47	
8.067	6568.052	272.4	6:51	
8.100	6567.566	272.4	6:53	
8.133	6568.052	272.4	6:55	
8.167	6568.052	272.4	6:57	
8.200	6568.538	272.4	6:59	
8.233	6569.024	272.4	7: 1	
8.267	6569.024	272.4	7: 3	
8.300	6568.052	272.4	7: 5	
8.333	6569.510	272.4	7: 7	
8.367	6570.482	272.4	7: 9	
8.400	6569.510	272.4	7:11	
8.433	6568.052	272.4	7:13	
8.467	6568.538	272.4	7:15	
8.500	6570.968	272.4	7:17	
8.567	6570.968	272.4	7:21	
8.600	6571.453	272.4	7:23	
8.633	6570.482	272.4	7:25	
8.667	6571.453	272.4	7:27	
8.700	6572.911	272.4	7:29	
8.767	6572.425	272.4	7:33	
8.833	6572.911	272.4	7:37	
8.867	6573.397	272.4	7:39	
8.900	6574.369	272.4	7:41	
8.933	6573.883	272.4	7:43	
8.967	6574.369	272.4	7:45	
9.000	6574.369	272.4	7:47	
9.033	6574.855	272.4	7:49	
9.067	6575.341	272.4	7:51	
9.100	6576.313	272.4	7:53	
9.167	6576.313	272.4	7:57	
9.200	6577.284	272.4	7:59	
9.233	6576.798	272.4	8: 1	
9.267	6576.798	272.4	8: 3	
9.300	6576.798	272.4	8: 5	
9.333	6577.770	272.4	8: 7	
9.367	6578.256	272.4	8: 9	
9.400	6579.228	272.4	8:11	
9.433	6579.228	272.4	8:13	
9.467	6579.228	272.4	8:15	
9.567	6580.200	272.4	8:21	
9.633	6580.686	272.4	8:25	
9.667	6579.228	272.4	8:27	
9.700	6580.200	272.4	8:29	

PHILLIPS PETROLEUM CO NORWAY
TOMMELITEN
1/9-6OFFSHORE NORWAY
22 SEPTEMBER 1982
MRPG-1359-NOR

D.S.T. 2B, RUN 1. GAUGE 0125, SENSING DEPTH 11912.25 FT. (SECOND FLOW PERIOD)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME
5.800	6522.863	272.4	4:35 23/ 9/82
5.867	6524.320	272.4	4:39
5.900	6525.292	272.4	4:41
5.933	6526.750	272.4	4:43
5.967	6528.693	272.4	4:45
6.000	6528.693	272.4	4:47
6.033	6529.179	272.4	4:49
6.067	6529.179	272.4	4:51
6.133	6532.095	272.4	4:55
6.167	6533.553	272.4	4:57
6.200	6533.553	272.4	4:59
6.233	6533.553	272.4	5: 1
6.267	6535.010	272.4	5: 3
6.300	6535.496	272.4	5: 5
6.367	6536.468	272.4	5: 9
6.400	6536.468	272.4	5:11
6.433	6538.412	272.4	5:13
6.467	6538.412	272.4	5:15
6.500	6539.383	272.4	5:17
6.533	6541.327	272.4	5:19
6.567	6541.813	272.4	5:21
6.600	6540.841	272.4	5:23
6.633	6542.299	272.4	5:25
6.667	6542.785	272.4	5:27
6.700	6544.728	272.4	5:29
6.733	6543.757	272.4	5:31
6.767	6544.728	272.4	5:33
6.800	6547.158	272.4	5:35
6.833	6547.158	272.4	5:37
6.867	6547.158	272.4	5:39
6.900	6548.130	272.4	5:41
6.933	6548.130	272.4	5:43
7.000	6552.017	272.4	5:47
7.033	6552.503	272.4	5:49
7.067	6551.531	272.4	5:51
7.100	6551.531	272.4	5:53
7.133	6552.503	272.4	5:55
7.200	6555.904	272.4	5:59
7.233	6555.904	272.4	6: 1
7.300	6555.418	272.4	6: 5
7.333	6556.876	272.4	6: 7
7.367	6558.820	272.4	6: 9
7.400	6559.306	272.4	6:11
7.433	6558.334	272.4	6:13
7.500	6561.735	272.4	6:17
7.533	6561.735	272.4	6:19
7.567	6562.221	272.4	6:21
7.600	6560.278	272.4	6:23
7.633	6561.249	272.4	6:25
7.700	6564.651	272.4	6:29

PHILLIPS PETROLEUM CO NORWAY
TOMMELITEN
1/9-6

OFFSHORE NORWAY
22 SEPTEMBER 1982
MRPG-1359-NOR

D.S.T. 2B, RUN 1. GAUGE 0125, SENSING DEPTH 11912.25 FT. (SECOND FLOW PERIOD)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME
3.900	6417.906	272.4	2:41 23/ 9/82
3.933	6419.850	272.4	2:43
3.967	6423.737	272.4	2:45
4.000	6429.568	272.4	2:47
4.033	6431.512	272.4	2:49
4.100	6432.969	272.4	2:53
4.133	6439.286	272.4	2:55
4.167	6442.202	272.4	2:57
4.200	6444.145	272.4	2:59
4.233	6445.603	272.4	3: 1
4.267	6446.575	272.4	3: 3
4.300	6449.976	272.4	3: 5
4.333	6452.406	272.4	3: 7
4.400	6457.751	272.4	3:11
4.433	6459.209	272.4	3:13
4.467	6459.209	272.4	3:15
4.500	6462.610	272.4	3:17
4.533	6465.525	272.4	3:19
4.600	6468.927	272.4	3:23
4.667	6471.842	272.4	3:27
4.700	6475.244	272.4	3:29
4.733	6477.673	272.4	3:31
4.767	6478.645	272.4	3:33
4.800	6479.617	272.4	3:35
4.833	6481.074	272.4	3:37
4.867	6483.018	272.4	3:39
4.900	6484.476	272.4	3:41
4.933	6487.877	272.4	3:43
4.967	6489.335	272.4	3:45
5.000	6489.335	272.4	3:47
5.033	6491.764	272.4	3:49
5.067	6494.194	272.4	3:51
5.100	6495.166	272.4	3:53
5.133	6496.624	272.4	3:55
5.167	6500.025	272.4	3:57
5.200	6499.539	272.4	3:59
5.267	6502.454	272.4	4: 3
5.300	6504.398	272.4	4: 5
5.333	6506.342	272.4	4: 7
5.367	6506.342	272.4	4: 9
5.400	6507.799	272.4	4:11
5.467	6511.687	272.4	4:15
5.500	6512.173	272.4	4:17
5.533	6513.144	272.4	4:19
5.567	6514.116	272.4	4:21
5.600	6515.088	272.4	4:23
5.633	6516.546	272.4	4:25
5.667	6517.032	272.4	4:27
5.700	6518.004	272.4	4:29
5.767	6521.405	272.4	4:33

PHILLIPS PETROLEUM CO NORWAY
TOMMELITEN
1/9-6

OFFSHORE NORWAY
22 SEPTEMBER 1982
MRPG-1359-NOR

D.S.T. 2B; RUN 1. GAUGE 0125; SENSING DEPTH 11912.25 FT. (SECOND FLOW PERIOD)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
1.833	5553.475	273.1	0:37	23/ 9/82
1.867	5548.130	273.1	0:39	
1.900	5541.327	273.1	0:41	BY-PASS SEPERATOR AT 00:38
1.933	5532.095	273.1	0:43	
1.967	5526.750	273.1	0:45	CHANGE TO 16/64" FIXED CHOKE AT 00:45
2.000	5727.430	273.1	0:47	
2.033	5845.992	273.8	0:49	
2.067	5903.329	273.8	0:51	
2.100	5943.174	273.8	0:53	
2.167	6004.398	273.8	0:57	
2.200	6028.208	273.8	0:59	
2.233	6050.559	273.8	1: 1	
2.267	6069.024	273.8	1: 3	
2.300	6086.517	273.8	1: 5	
2.367	6117.615	273.8	1: 9	
2.467	6159.403	273.8	1:15	
2.533	6182.727	273.1	1:19	
2.567	6193.417	273.1	1:21	
2.600	6205.078	273.1	1:23	
2.633	6215.768	273.1	1:25	
2.667	6223.543	273.1	1:27	
2.700	6231.803	273.1	1:29	
2.733	6240.064	273.1	1:31	DIRECT THROUGH SEPERATOR AT 01:30
2.767	6248.810	273.1	1:33	
2.800	6257.556	273.1	1:35	
2.833	6264.845	273.1	1:37	
2.867	6272.620	273.1	1:39	
2.900	6278.451	273.1	1:41	
2.933	6284.281	273.1	1:43	
2.967	6291.570	273.1	1:45	
3.033	6302.746	273.1	1:49	
3.067	6309.063	273.1	1:51	
3.100	6315.380	273.1	1:53	
3.133	6322.182	273.1	1:55	
3.167	6327.527	273.1	1:57	
3.200	6331.901	273.1	1:59	
3.233	6336.274	273.1	2: 1	
3.267	6341.133	273.1	2: 3	
3.367	6357.168	273.1	2: 9	
3.400	6361.541	272.4	2:11	
3.467	6370.287	273.1	2:15	
3.533	6378.062	272.4	2:19	
3.567	6380.005	272.4	2:21	
3.600	6387.294	272.4	2:23	
3.633	6391.181	272.4	2:25	
3.667	6394.097	272.4	2:27	
3.700	6396.526	272.4	2:29	
3.733	6401.385	272.4	2:31	
3.800	6408.188	272.4	2:35	
3.833	6411.590	272.4	2:37	
1.467	5630.248	273.1	0:15	
1.500	5622.960	273.1	0:17	
1.533	5615.671	273.1	0:19	
1.567	5608.383	273.1	0:21	
1.600	5599.150	273.1	0:23	

PHILLIPS PETROLEUM CO NORWAY
TOMMELITEN
1/9-6

OFFSHORE NORWAY
22 SEPTEMBER 1982
MRPG-1359-NOR

D.S.T. 2B, RUN 1. GAUGE 0125, SENSING DEPTH 11912.25 FT. (SECOND FLOW PERIOD)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
0.000	6795.457	268.8	22:47	22/ 9/82 OPEN TO FLOW ON 32/64"
0.033	6644.340	268.8	22:49	ADJ CHOKE AT 22:48
0.067	6220.627	268.1	22:51	
0.133	5969.413	268.1	22:55	
0.167	5916.935	268.8	22:57	
0.200	5902.357	269.5	22:59	
0.233	5916.935	270.2	23: 1	
0.267	5892.153	270.2	23: 3	
0.300	5897.498	270.2	23: 5	
0.333	5907.702	270.9	23: 7	
0.367	5907.702	270.9	23: 9	
0.400	5916.449	271.6	23:11	
0.433	5919.364	271.6	23:13	
0.500	5897.984	271.6	23:17	
0.533	5899.442	271.6	23:19	
0.567	5899.442	272.4	23:21	
0.600	5867.372	272.4	23:23	
0.633	5876.118	272.4	23:25	
0.667	5887.780	272.4	23:27	
0.733	5870.287	272.4	23:31	
0.767	5848.421	272.4	23:33	
0.800	5816.837	272.4	23:35	
0.833	5792.542	272.4	23:37	
0.900	5759.014	272.4	23:41	
0.933	5747.352	272.4	23:43	
0.967	5735.691	273.1	23:45	
1.000	5726.944	272.4	23:47	
1.033	5718.684	272.4	23:49	
1.067	5707.022	273.1	23:51	
1.100	5694.388	272.4	23:53	
1.133	5693.417	273.1	23:55	
1.167	5693.903	273.1	23:57	
1.200	5689.529	273.1	23:59	
1.267	5677.382	273.1	0: 3	23/ 9/82
1.300	5669.121	273.1	0: 5	
1.333	5661.347	273.1	0: 7	
1.367	5654.058	273.1	0: 9	
1.400	5647.255	273.1	0:11	
1.433	5637.537	273.1	0:13	
1.467	5630.248	273.1	0:15	
1.500	5622.960	273.1	0:17	
1.533	5615.671	273.1	0:19	
1.567	5608.383	273.1	0:21	
1.600	5599.150	273.1	0:23	
1.633	5590.404	273.1	0:25	
1.667	5585.545	273.1	0:27	
1.700	5577.770	273.1	0:29	
1.733	5571.454	273.1	0:31	
1.767	5567.566	273.1	0:33	
1.800	5558.820	273.1	0:35	

DIRECT THROUGH SEPERATOR
AT 00:30

PHILLIPS. PETROLEUM CO NORWAY
TOMMELITEN
1/9-6

OFFSHORE NORWAY
22 SEPTEMBER 1982
MRPG-1359-NOR

D.S.T. 2B, RUN 1. GAUGE 0125, SENSING DEPTH 11912.25 FT. (INITIAL BUILD UP)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
0.000	5845.506	268.8	22:23	22/ 9/82
0.033	6102.066	268.8	22:25	HYD. WING VALVE CLOSED
0.067	6394.097	269.5	22:27	DUE TO LEAK IN CHICKSAN
0.100	6511.687	270.2	22:29	AT 22:25
0.133	6581.172	270.2	22:31	SHUT IN CHOKE MANIFOLD
0.167	6630.248	270.2	22:33	
0.200	6665.720	270.2	22:35	
0.233	6694.874	269.5	22:37	
0.267	6722.085	269.5	22:39	
0.333	6766.303	269.5	22:43	
0.367	6782.824	268.8	22:45	
0.400	6795.457	268.8	22:47	END OF BUILD UP PERIOD

PHILLIPS PETROLEUM CO NORWAY
TOMMELITEN
1/9-6

OFFSHORE NORWAY
22 SEPTEMBER 1982
MRPG-1359-NOR

D.S.T. 2B, RUN 1. GAUGE 0125, SENSING DEPTH 11912.25 FT. (INITIAL FLOW PERIOD)

DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
0.000	7141.424	258.9	21:45	22/ 9/82 OPEN TO FLOW ON 8/64"
0.033	6993.708	258.9	21:47	ADJ CHOKE AT 21:45
0.067	6697.790	258.9	21:49	INCREASE TO 24/64"
0.100	6453.864	258.2	21:51	ADJ CHOKE AT 21:49
0.133	6339.675	258.9	21:53	INCREASE TO 32/64"
0.167	6315.866	259.6	21:55	ADJ CHOKE AT 21:52
0.200	6210.909	260.3	21:57	
0.233	6132.678	261.0	21:59	
0.267	6142.882	262.5	22: 1	
0.300	6161.347	263.2	22: 3	
0.333	6147.741	263.9	22: 5	
0.367	6112.756	265.3	22: 7	
0.400	6068.052	265.3	22: 9	
0.433	6040.355	266.0	22:11	
0.467	6015.574	266.7	22:13	
0.500	6016.546	267.4	22:15	
0.533	6056.390	267.4	22:17	
0.567	6029.179	268.1	22:19	
0.600	5918.878	268.8	22:21	
0.633	5845.506	268.8	22:23	END OF FLOW PERIOD

PHILLIPS PETROLEUM CO NORWAY
TOMMELITEN
1/9-6OFFSHORE NORWAY
22 SEPTEMBER 1982
MRPG-1359-NOR

D.S.T. 2B, RUN 1. GAUGE 0125, SENSING DEPTH 11912.25 FT. (STATIC PERIOD)

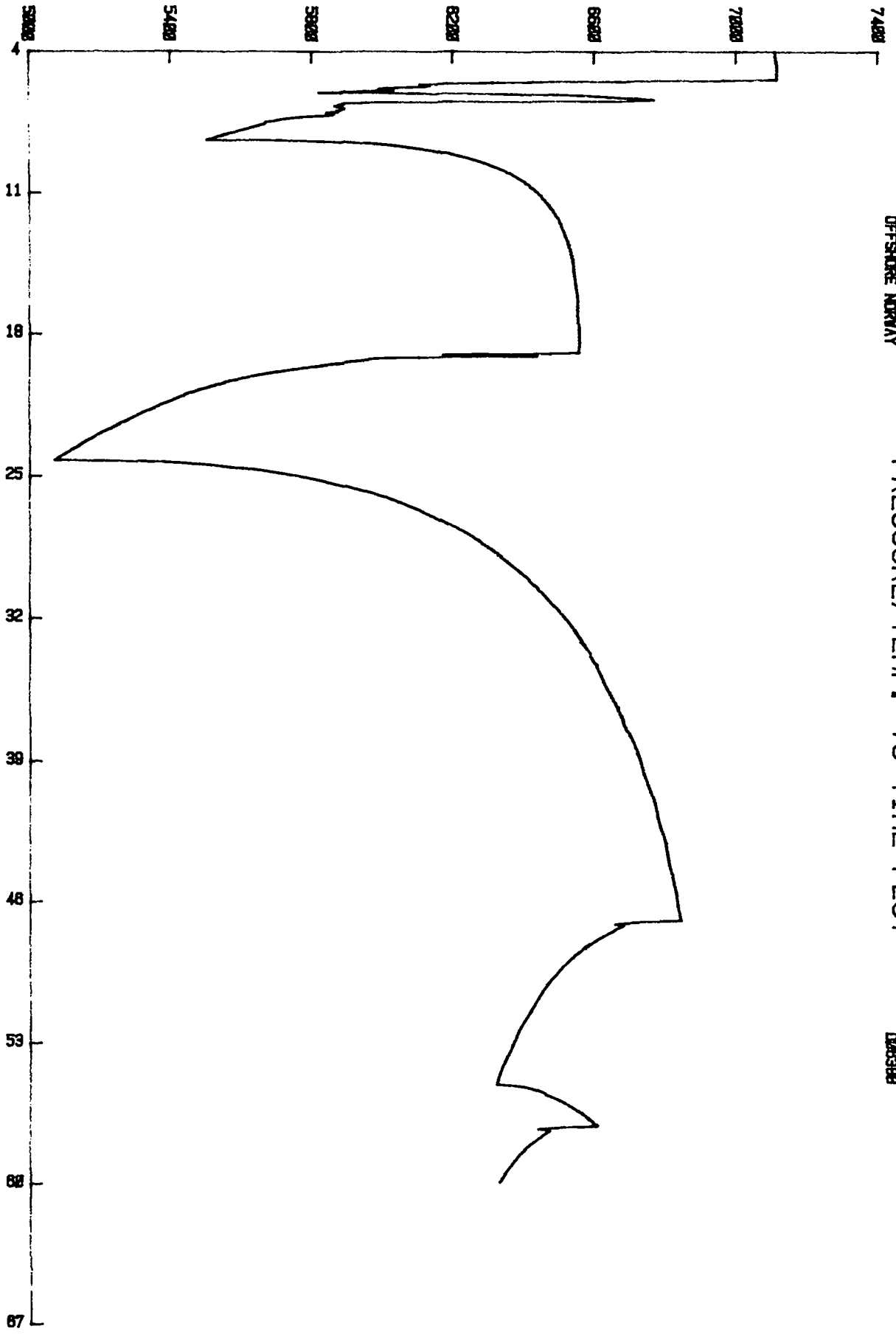
DELTA TIME HOURS	GAUGE PRESSURE (PSI)	TEMP. DEG F	TIME	
0.000	7133.650	258.2	20: 1	22/ 9/82 SET GAUGES IN "F" NIPPLE
0.033	7134.136	258.2	20: 3	AT 20:00
0.100	7136.079	258.2	20: 7	
0.167	7137.051	258.2	20:11	
0.200	7135.593	258.2	20:13	
0.233	7136.079	258.2	20:15	
0.267	7136.079	258.2	20:17	
0.300	7137.051	258.2	20:19	
0.333	7136.565	258.2	20:21	
0.367	7135.593	258.2	20:23	
0.400	7136.565	258.2	20:25	
0.433	7137.537	258.2	20:27	
0.467	7137.537	258.2	20:29	
0.500	7137.537	258.2	20:31	
0.533	7136.565	258.2	20:33	
0.567	7136.079	258.2	20:35	
0.633	7138.509	258.2	20:39	
0.667	7138.509	258.2	20:41	
0.700	7138.509	258.9	20:43	
0.733	7138.023	258.9	20:45	
0.767	7139.481	258.9	20:47	
0.800	7140.938	258.9	20:49	
0.833	7140.938	258.9	20:51	
0.867	7140.452	258.2	20:53	
0.900	7139.967	258.2	20:55	
0.933	7141.424	258.9	20:57	
0.967	7141.910	258.2	20:59	
1.000	7142.396	258.2	21: 1	
1.033	7141.910	258.2	21: 3	
1.067	7141.910	258.9	21: 5	
1.100	7142.396	258.2	21: 7	
1.133	7142.882	258.2	21: 9	
1.167	7142.882	258.2	21:11	
1.200	7142.396	258.2	21:13	
1.233	7141.910	258.2	21:15	
1.267	7142.882	258.2	21:17	
1.333	7143.368	258.2	21:21	
1.367	7142.882	258.9	21:23	
1.400	7141.424	258.9	21:25	
1.433	7141.910	258.9	21:27	
1.467	7142.882	258.9	21:29	
1.500	7143.368	258.9	21:31	
1.533	7143.368	258.9	21:33	
1.567	7142.396	258.9	21:35	
1.600	7142.396	258.9	21:37	
1.633	7142.396	258.9	21:39	
1.700	7143.854	258.9	21:43	
1.733	7141.424	258.9	21:45	END OF STATIC PERIOD

PRESSURE Scales 1 inch = 400 (PSIG)

PHILLIPS PETROLEUM CO NORWAY
1/8-6
TUNNELITTEN
OFFSHORE NORWAY

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

22 SEPT 1982
MRPG-1359-ADR
GAUGE 0125 D.S.T. 29
D00398



DELTA TIME
Scale 1 inch = 7 hours

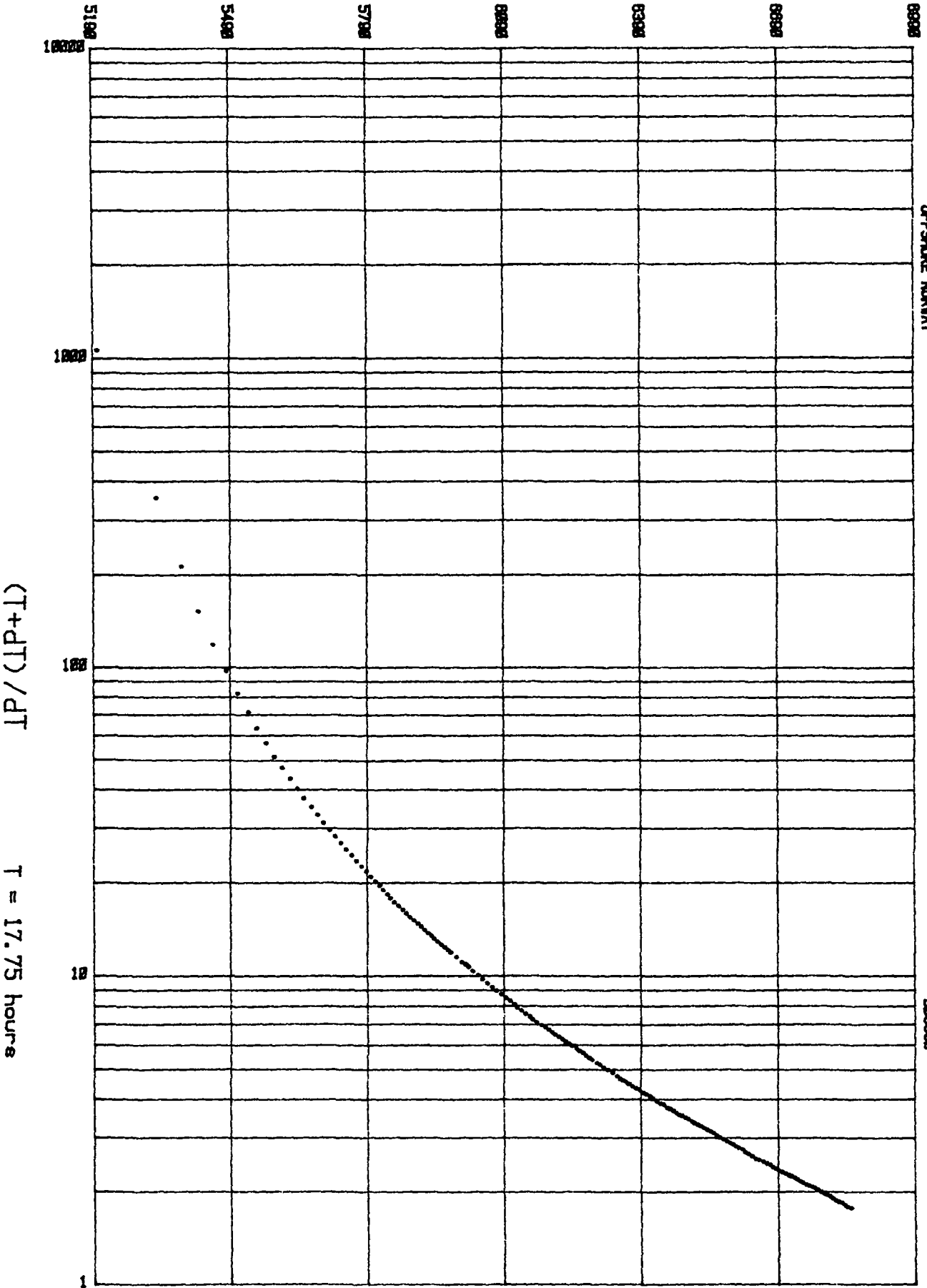
PRESSURE

Scale: 1 inch = 300 (PSIG)

PHILLIPS PETROLEUM CO NORWAY
TUNNELTEN
1/8-8
OFFSHORE NORWAY

NL Sperry-Sun, Inc.
HORNER PLOT

22 SEPT 1982
WPC-1359-NOR
GALICE 0125 D. S. T. 29
D08388



$(T+DT)/DT$

T = 17.75 hours

PRESSURE

Scale: 1 inch = 300 (PSIG)

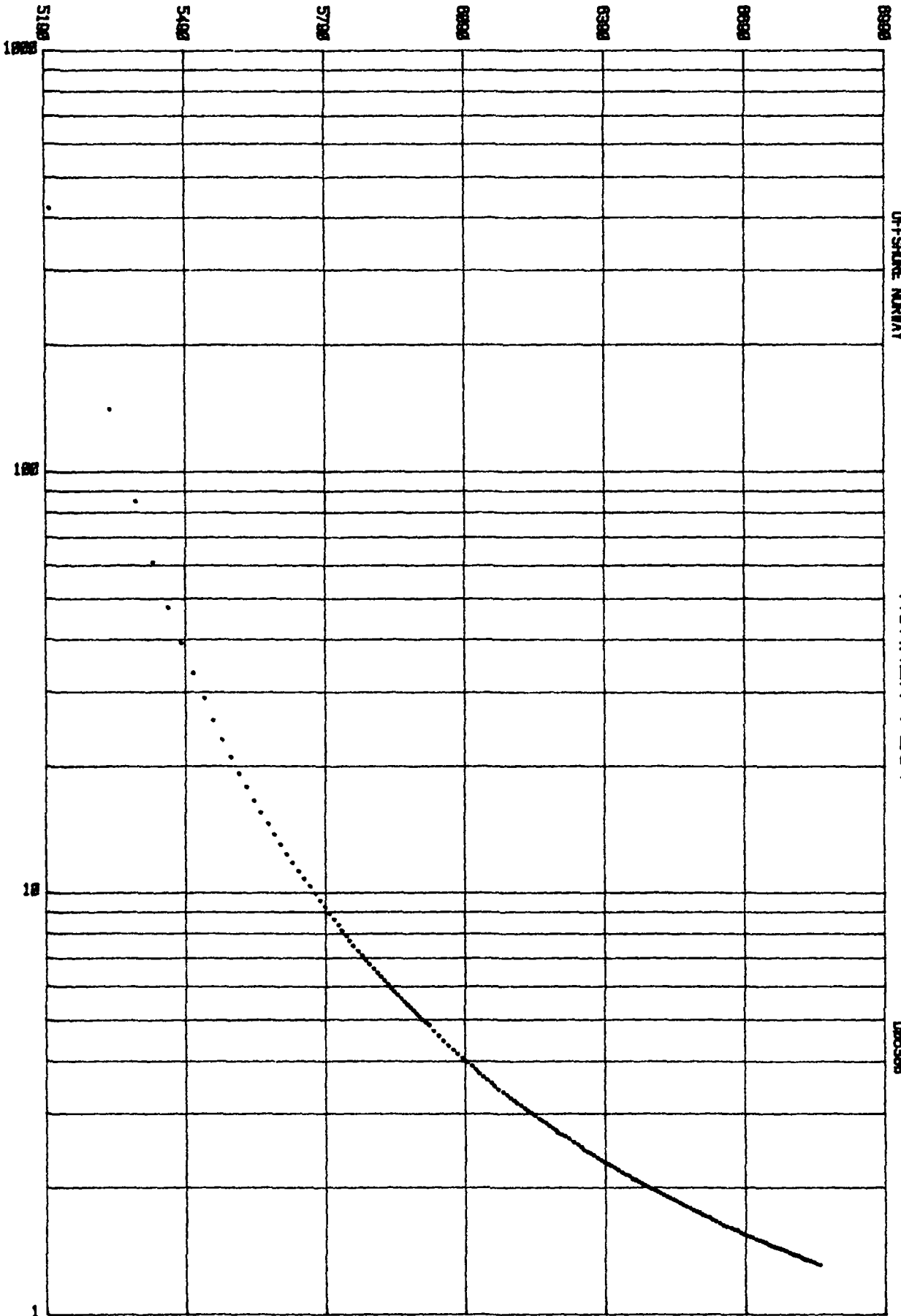
PHILLIPS PETROLEUM CO NORWAY
TOMMELITTEN
1/8-8
OFFSHORE NORWAY

NL Sperry-Sun, Inc.
HORNER PLOT

22 SEPT 1982
MRP-1359-NOR
GAUGE 8125 D.S.T. 28
D983688

$IP / (IP+I)$

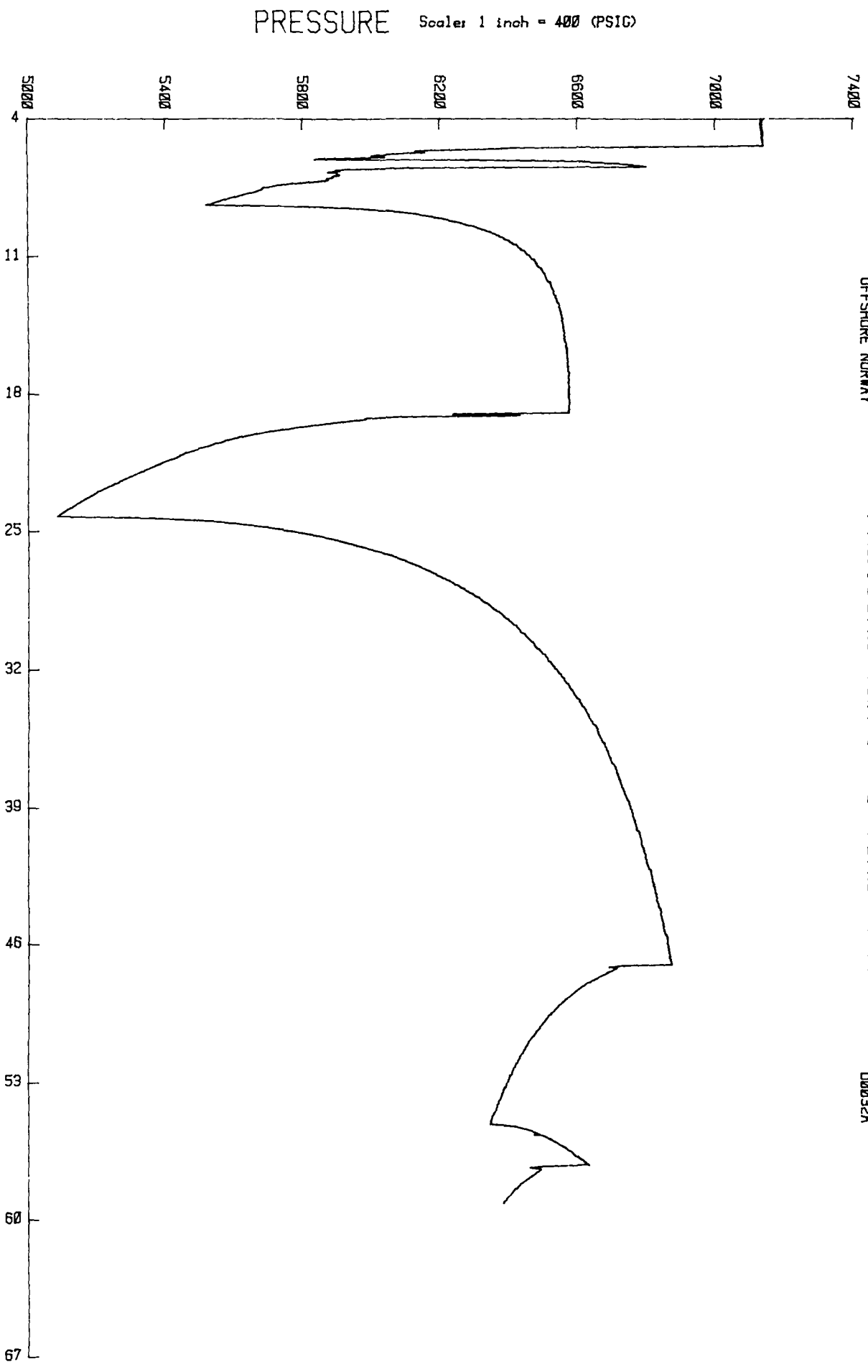
T = 7 hours



PHILLIPS PETROLEUM CO NORWAY
1/9-6
TOMMELITEN
OFFSHORE NORWAY

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

22 SEPT 1982
MRPG-1359-NOR
GAUGE 0116 D.S.T. 2B
00032A



HEWLETT
PACKARD

DELTA TIME
Scale 1 inch = 7 hours