

FLOPET

HIGH ACCURACY PRESSURE TEMPERATURE MEASUREMENTS

Company : STATOIL

Country : NORWAY

Field : HALTENBANKEN

Well : 6407/1-2

Zone : JURA SAND

Date : 4.5.83 TO 9.5.83

FLOPETROL

DISTRICT : NORTH SEA DISTRICT
BASE : NORWAY
REPORT No. : ELS 83/22B

HIGH ACCURACY PRESSURE TEMPERATURE MEASUREMENTS

Company : STATOIL Country : NORWAY
Field : HALTENBANKEN Well : 6407/1-2
Zone : JURA SAND Date : 4.5.83 TO 9.5.83

DST NO.1

SDP NO: 82020, SET IN DST HANGER

GENERAL INFORMATION

1.1 service :SDP PRESSURE AND TEMPERATURE MEASUREMENT
1.2 company :STATOIL
1.3 well :6407/1-2
1.4 field :HALTENBANKEN
1.6 country :NORWAY
1.7 tested zone :JURA SAND
1.8 lat.,long. :64 47 51 N, 07 02 23.3 E

OPERATION DATA

2.1 date of test :4TH. MAY - 9TH. MAY 1983
2.2 report nbr. :ELS 83/22B
2.3 base :NORWAY
2.4 district :NORTH SEA DISTRICT
2.5 recorded by :S.LOVIK / H.J.TAYLOR
2.6 witnessed by :K.GJERDE

EQUIPMENT DATA

3.3 surface equipt. :PCS-B NO:1144, HP-9876A NO:1150
3.4 downhole equipt. :SDP # 82020, RM # 82012

DEPTH INFORMATION

4.1 depth unit :METRES
4.2 permanent datum :RKB
4.11 gauge set at :3,650.5M RKB

WELL DATA

5.1 well type :EXPLORATION
5.2 fluid type :GAS AND CONDENSATE
5.5 production interval :3,659M - 3669M RKB
5.6 prod. string size :3 1/2" TDS

FLOPETROL JOHNSTON

Schlumberger

THIS REPORT, ELS 83/22B, REPRESENTS ONLY PART OF THE ENTIRE TEST. THE COMPLETE INFORMATION ON THE EPROMS NOT BEING ACCESSIBLE.

FLOPETROL INT. S.A.

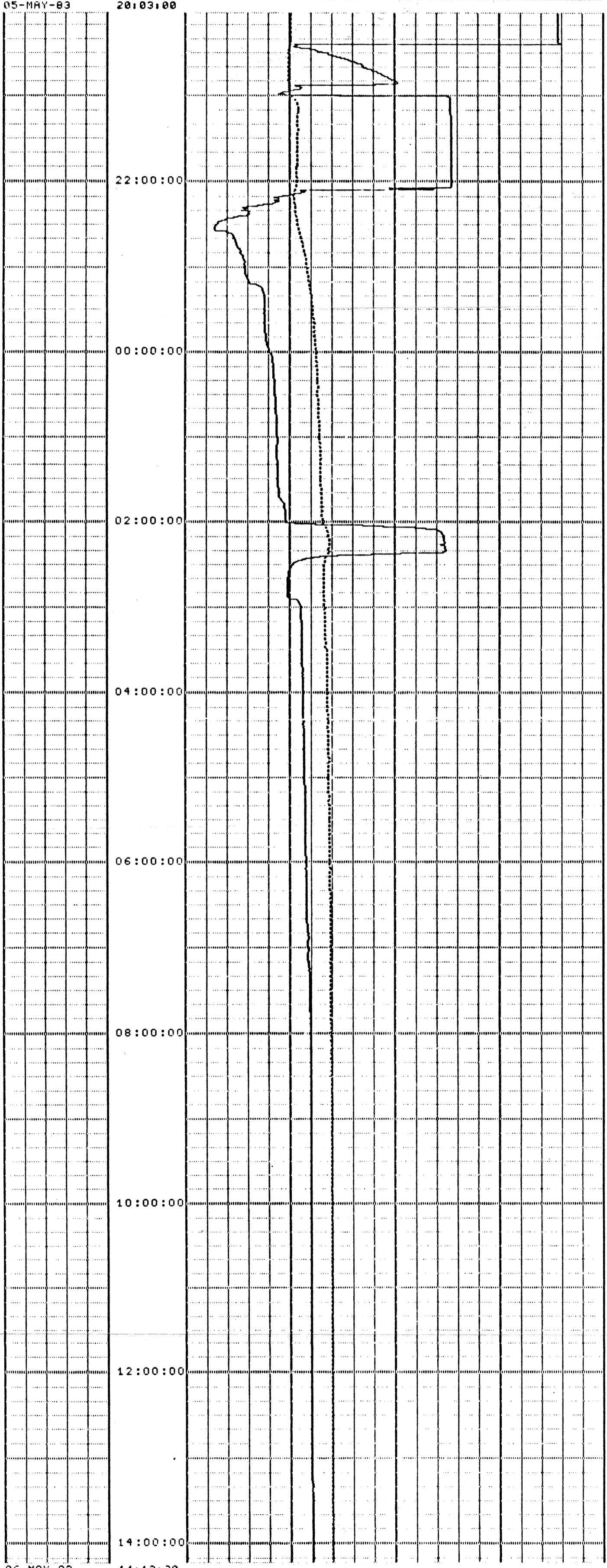
SEQUENCE OF EVENTS

! 04-MAY-83 16:50:00 CONNECT BATTERY TO SDP GAUGE # 82020, RM#82012
! 04-MAY-83 17:50:00 SDP # 82020 IN DST HANGER
! 05-MAY-83 22:04:00 OPEN LPR-N VALVE
! 05-MAY-83 22:06:00 OPEN WELL AT CHOKE MANIFOLD ON 48/64TH."FIXED CHOKE
! 06-MAY-83 01:13:00 SWITCH FLOW THROUGH SEPARATOR
! 06-MAY-83 02:02:00 FAILSAFE ON FLOWHEAD SHUT IN
! 06-MAY-83 02:16:00 OPEN FAILSAFE ON FLOWHEAD
! 06-MAY-83 02:21:00 OPEN WELL AT CHOKE MANIFOLD ON 48/64TH." FIXED CHOKE
! 06-MAY-83 02:33:00 SWITCH FLOW THROUGH SEPARATOR
! 06-MAY-83 14:13:00 END OF VALID DATA
! 09-MAY-83 02:18:00 DISCONNECT BATTERY ON SDP NO:82020, - END OF TEST

LINEAR OF INITIAL @ MAIN FLOW

[140] VERSUS TIME LOGGING START TIME: 05-MAY-83 20:00:00 SCALE: 3600. sec/inch

		SDP (bars)	
		250. [427.81]	450.
		SDT (degC)	
		100. [125.21]	200.



06-MAY-83

14:13:30

CLIENT : STATOIL
WELL : 6407/1-2
DST NO. 2
REPORT NO.: ELS 83/22B

TECHNICAL DATA

GAUGE

TYPE : SDP STRAIN GAUGE
TRANSDUCER MODULE : 82020
RECORDER MODULE : 82012

SET UP DATA

SCANNING RATE : 30 sec
DELAY TIME : 20 hours
AVERAGING : 8
RELATIVE VALUES : USED
COMPRESSION ALGO. : USED
COMPRESSION LEVEL : 8
AVER. COMP. RATE : 3.03

CALIBRATION DATA

Before job:

AMBIENT PRESS : 7.2 PSIA
AMBIENT TEMP : - °C

After job:

AMBIENT PRESS : - PSIA
AMBIENT TEMP : - °C

	SDT degC	SDP bars	
05-MAY-83			
20:03:00	125.21	427.81	
20:04:00	125.19	427.83	
20:05:00	125.17	427.85	
20:06:00	125.15	427.87	
20:07:00	125.13	427.89	
20:08:00	125.13	427.89	
20:09:00	125.13	427.89	
20:10:00	125.13	427.89	
20:11:00	125.13	427.90	
20:12:00	125.13	427.90	
20:13:00	125.13	427.90	
20:14:00	125.13	427.90	
20:15:00	125.13	427.90	
20:16:00	125.13	427.91	
20:17:00	125.13	427.91	
20:18:00	125.13	427.92	
20:19:00	125.13	427.93	
20:20:00	125.13	427.94	
20:21:00	125.13	427.94	
20:22:00	125.13	427.95	
20:23:00	125.13	427.96	
20:24:00	125.13	429.25	* OPEN LPR-N VALVE
20:25:00	125.13	302.30	
20:26:00	124.97	302.76	
20:27:00	124.97	304.87	
20:28:00	124.90	309.22	
20:29:00	124.82	311.68	
20:30:00	124.82	314.80	
20:31:00	124.82	317.59	
20:32:00	124.90	319.19	
20:33:00	124.66	321.91	
20:34:00	124.74	323.78	
20:35:00	124.66	326.18	
20:36:00	124.66	328.45	
20:37:00	124.66	330.61	
20:38:00	124.66	332.65	
20:39:00	124.66	333.90	
20:40:00	124.66	334.38	
20:41:00	124.66	335.56	
20:42:00	124.66	337.39	
20:43:00	124.74	339.14	
20:44:00	124.74	340.79	
20:45:00	124.82	342.37	
20:46:00	124.82	343.89	
20:47:00	124.82	345.34	
20:48:00	124.82	346.72	
20:49:00	124.74	348.01	
20:50:00	124.82	349.22	
20:51:00	124.82	350.36	

OPEN WELL AT CHOKE MANIFOLD TO 48/64TH " ADJ.CHOKE

[172] T0=05-MAY-83 20:52:00

P0=351.5

TIME	SDT degC	SDP bars	t-t0 HR	L(t-t0)	P-P0 bars	L(P-P0)
05-MAY-83						
20:53:00	124.97	302.32	0.02	-1.7782	49.18	1.6918
20:53:30	124.82	302.78	0.03	-1.6021	48.72	1.6877
20:54:00	124.82	304.75	0.03	-1.4771	46.75	1.6698
20:54:30	124.74	305.42	0.04	-1.3802	46.08	1.6635
20:55:00	124.82	305.64	0.05	-1.3010	45.86	1.6614
20:55:30	124.90	304.94	0.06	-1.2341	46.56	1.6680
20:56:00	124.82	303.54	0.07	-1.1761	47.96	1.6809

TIME	SDT degC	SDP bars	t-t0 HR	L(t-t0)	P-P0 bars	L(P-P0)
05-MAY-83						
20:56:30	124.90	302.02	0.08	-1.1249	49.48	1.6944
20:57:00	124.82	300.37	0.08	-1.0792	51.13	1.7087
20:57:30	124.97	298.65	0.09	-1.0378	52.85	1.7231
20:58:00	124.90	297.03	0.10	-1.0000	54.47	1.7361
20:58:30	124.97	295.77	0.11	-0.9652	55.73	1.7461
20:59:00	125.05	294.81	0.12	-0.9331	56.69	1.7535

SHUT IN WELL FOR INITIAL BUILD-UP

[191] T0=05-MAY-83 20:59:00

P0=294.81 FT=000:07:00

TIME	SDT degC	SDP bars	t-t0 HR	L(t-t0)	P-P0 bars	L(P-P0)	L(Horn)
05-MAY-83							
21:00:00	125.05	323.86	0.02	-1.7782	29.05	1.4632	0.9031
21:00:30	125.21	347.80	0.03	-1.6021	52.99	1.7242	0.7533
21:01:00	125.37	375.06	0.03	-1.4771	80.25	1.9044	0.6532
21:01:30	125.61	376.07	0.04	-1.3802	81.26	1.9099	0.5798
21:02:00	125.76	376.21	0.05	-1.3010	81.40	1.9106	0.5229
21:02:30	125.96	376.26	0.06	-1.2341	81.45	1.9109	0.4771
21:03:00	126.16	376.30	0.07	-1.1761	81.49	1.9111	0.4393
21:03:30	126.28	376.29	0.08	-1.1249	81.48	1.9111	0.4075
21:04:00	126.40	376.28	0.08	-1.0792	81.47	1.9110	0.3802
21:04:30	126.55	376.31	0.09	-1.0378	81.50	1.9112	0.3565
21:05:00	126.55	376.31	0.10	-1.0000	81.50	1.9111	0.3358
21:05:30	126.71	376.32	0.11	-0.9652	81.51	1.9112	0.3174
21:06:00	126.71	376.31	0.12	-0.9331	81.50	1.9112	0.3010
21:06:30	126.75	376.34	0.12	-0.9031	81.53	1.9113	0.2863
21:07:00	126.79	376.37	0.13	-0.8751	81.56	1.9115	0.2730
21:07:30	126.81	376.38	0.14	-0.8487	81.57	1.9115	0.2609
21:08:00	126.83	376.39	0.15	-0.8239	81.58	1.9116	0.2499
21:08:30	126.85	376.41	0.16	-0.8004	81.60	1.9117	0.2398
21:09:00	126.87	376.42	0.17	-0.7782	81.61	1.9117	0.2304
21:09:30	126.89	376.43	0.17	-0.7570	81.62	1.9118	0.2218
21:10:00	126.91	376.44	0.18	-0.7368	81.63	1.9119	0.2139
21:10:30	126.93	376.45	0.19	-0.7175	81.64	1.9119	0.2065
21:11:00	126.95	376.46	0.20	-0.6990	81.65	1.9120	0.1996
21:11:30	126.95	376.47	0.21	-0.6812	81.66	1.9120	0.1931
21:12:00	126.95	376.52	0.22	-0.6642	81.71	1.9123	0.1871
21:12:30	126.91	376.55	0.22	-0.6478	81.74	1.9125	0.1814
21:13:00	126.87	376.59	0.23	-0.6320	81.78	1.9126	0.1761
21:13:30	126.99	376.59	0.24	-0.6168	81.78	1.9127	0.1711
21:14:00	127.10	376.60	0.25	-0.6021	81.79	1.9127	0.1663
21:14:30	127.09	376.61	0.26	-0.5878	81.80	1.9128	0.1619
21:15:00	127.08	376.62	0.27	-0.5740	81.81	1.9128	0.1576
21:15:30	127.06	376.63	0.28	-0.5607	81.82	1.9128	0.1536
21:16:00	127.05	376.63	0.28	-0.5477	81.82	1.9129	0.1498
21:16:30	127.03	376.64	0.29	-0.5351	81.83	1.9129	0.1461
21:17:00	127.02	376.65	0.30	-0.5229	81.84	1.9130	0.1427
21:17:30	127.00	376.66	0.31	-0.5110	81.85	1.9130	0.1394
21:18:00	126.99	376.66	0.32	-0.4994	81.85	1.9130	0.1362
21:18:30	126.97	376.67	0.32	-0.4881	81.86	1.9131	0.1332
21:19:00	126.96	376.68	0.33	-0.4771	81.87	1.9131	0.1303
21:19:30	126.94	376.68	0.34	-0.4664	81.87	1.9131	0.1276
21:20:00	126.93	376.69	0.35	-0.4559	81.88	1.9132	0.1249
21:20:30	126.91	376.70	0.36	-0.4457	81.89	1.9132	0.1224
21:21:00	126.90	376.71	0.37	-0.4357	81.90	1.9133	0.1200
21:21:30	126.88	376.71	0.37	-0.4260	81.90	1.9133	0.1176
21:22:00	126.87	376.72	0.38	-0.4164	81.91	1.9133	0.1154
21:22:30	126.89	376.72	0.39	-0.4071	81.91	1.9134	0.1132
21:23:00	126.91	376.72	0.40	-0.3979	81.91	1.9134	0.1112
21:23:30	126.93	376.73	0.41	-0.3890	81.92	1.9134	0.1091
21:24:00	126.95	376.73	0.42	-0.3802	81.92	1.9134	0.1072
21:24:30	126.97	376.73	0.43	-0.3716	81.92	1.9134	0.1053

TIME	SDT	SDP	t-t0	L(t-t0)	P-P0	L(P-P0)	L(Horn)
05-MAY-83	degC	bars	HR		bars		
21:25:00	126.99	376.73	0.43	-0.3632	81.92	1.9134	0.1035
21:25:30	127.01	376.73	0.44	-0.3549	81.92	1.9134	0.1018
21:26:00	127.03	376.73	0.45	-0.3468	81.92	1.9134	0.1001
21:26:30	127.02	376.73	0.46	-0.3388	81.92	1.9134	0.0985
21:27:00	127.01	376.73	0.47	-0.3310	81.92	1.9134	0.0969
21:27:30	127.00	376.73	0.47	-0.3233	81.92	1.9134	0.0954
21:28:00	126.99	376.73	0.48	-0.3158	81.92	1.9134	0.0939
21:28:30	126.98	376.73	0.49	-0.3083	81.92	1.9134	0.0925
21:29:00	126.97	376.73	0.50	-0.3010	81.92	1.9134	0.0911
21:29:30	126.96	376.73	0.51	-0.2939	81.92	1.9134	0.0897
21:30:00	126.95	376.73	0.52	-0.2868	81.92	1.9134	0.0884
21:30:30	126.94	376.73	0.52	-0.2798	81.92	1.9134	0.0872
21:31:00	126.93	376.73	0.53	-0.2730	81.92	1.9134	0.0859
21:31:30	126.92	376.73	0.54	-0.2663	81.92	1.9134	0.0847
21:32:00	126.91	376.73	0.55	-0.2596	81.92	1.9134	0.0835
21:32:30	126.90	376.72	0.56	-0.2531	81.91	1.9134	0.0824
21:33:00	126.89	376.72	0.57	-0.2467	81.91	1.9134	0.0813
21:33:30	126.88	376.72	0.57	-0.2403	81.91	1.9134	0.0802
21:34:00	126.87	376.72	0.58	-0.2341	81.91	1.9133	0.0792
21:34:30	126.87	376.72	0.59	-0.2279	81.91	1.9133	0.0782
21:35:00	126.87	376.72	0.60	-0.2218	81.91	1.9133	0.0772
21:35:30	126.87	376.72	0.61	-0.2159	81.91	1.9133	0.0762
21:36:00	126.87	376.72	0.62	-0.2099	81.91	1.9133	0.0753
21:36:30	126.87	376.72	0.62	-0.2041	81.91	1.9133	0.0743
21:37:00	126.87	376.72	0.63	-0.1984	81.91	1.9133	0.0734
21:37:30	126.87	376.71	0.64	-0.1927	81.90	1.9133	0.0726
21:38:00	126.87	376.71	0.65	-0.1871	81.90	1.9133	0.0717
21:38:30	126.86	376.72	0.66	-0.1816	81.91	1.9133	0.0709
21:39:00	126.86	376.72	0.67	-0.1761	81.91	1.9133	0.0700
21:39:30	126.85	376.72	0.68	-0.1707	81.91	1.9134	0.0692
21:40:00	126.85	376.73	0.68	-0.1654	81.92	1.9134	0.0685
21:40:30	126.84	376.73	0.69	-0.1601	81.92	1.9134	0.0677
21:41:00	126.84	376.73	0.70	-0.1549	81.92	1.9134	0.0669
21:41:30	126.83	376.74	0.71	-0.1498	81.93	1.9134	0.0662
21:42:00	126.83	376.74	0.72	-0.1447	81.93	1.9135	0.0655
21:42:30	126.82	376.75	0.73	-0.1397	81.94	1.9135	0.0648
21:43:00	126.82	376.75	0.73	-0.1347	81.94	1.9135	0.0641
21:43:30	126.81	376.75	0.74	-0.1298	81.94	1.9135	0.0634
21:44:00	126.81	376.76	0.75	-0.1249	81.95	1.9135	0.0628
21:44:30	126.80	376.76	0.76	-0.1201	81.95	1.9135	0.0621
21:45:00	126.80	376.76	0.77	-0.1154	81.95	1.9136	0.0615
21:45:30	126.79	376.77	0.77	-0.1107	81.96	1.9136	0.0609
21:46:00	126.79	376.77	0.78	-0.1061	81.96	1.9136	0.0603
21:46:30	126.78	376.77	0.79	-0.1015	81.96	1.9136	0.0597
21:47:00	126.77	376.77	0.80	-0.0969	81.96	1.9136	0.0591
21:47:30	126.76	376.77	0.81	-0.0924	81.96	1.9136	0.0586
21:48:00	126.75	376.76	0.82	-0.0880	81.95	1.9136	0.0580
21:48:30	126.74	376.76	0.82	-0.0835	81.95	1.9136	0.0574
21:49:00	126.73	376.76	0.83	-0.0792	81.95	1.9136	0.0569
21:49:30	126.72	376.76	0.84	-0.0749	81.95	1.9135	0.0564
21:50:00	126.71	376.76	0.85	-0.0706	81.95	1.9135	0.0559
21:50:30	126.70	376.76	0.86	-0.0663	81.95	1.9135	0.0553
21:51:00	126.69	376.76	0.87	-0.0621	81.95	1.9136	0.0548
21:51:30	126.68	376.76	0.87	-0.0580	81.95	1.9136	0.0544
21:52:00	126.67	376.77	0.88	-0.0539	81.96	1.9136	0.0539
21:52:30	126.66	376.77	0.89	-0.0498	81.96	1.9136	0.0534
21:53:00	126.65	376.77	0.90	-0.0458	81.96	1.9136	0.0529
21:53:30	126.64	376.77	0.91	-0.0418	81.96	1.9136	0.0525
21:54:00	126.63	376.78	0.92	-0.0378	81.97	1.9136	0.0520
21:54:30	126.62	376.78	0.93	-0.0339	81.97	1.9136	0.0516
21:55:00	126.61	376.78	0.93	-0.0300	81.97	1.9137	0.0512
21:55:30	126.60	376.78	0.94	-0.0261	81.97	1.9137	0.0507

TIME	SDT	SDP	t-t0	L(t-t0)	P-P0	L(P-P0)	L(Horn)
05-MAY-83	degC	bars	HR		bars		
21:56:00	126.59	376.78	0.95	-0.0223	81.97	1.9137	0.0503
21:56:30	126.58	376.79	0.96	-0.0185	81.98	1.9137	0.0499
21:57:00	126.57	376.79	0.97	-0.0147	81.98	1.9137	0.0495
21:57:30	126.56	376.79	0.98	-0.0110	81.98	1.9137	0.0491
21:58:00	126.55	376.79	0.98	-0.0073	81.98	1.9137	0.0487
21:58:30	126.59	376.79	0.99	-0.0036	81.98	1.9137	0.0483
21:59:00	126.63	376.79	1.00	0.0000	81.98	1.9137	0.0479
21:59:30	126.67	376.79	1.01	0.0036	81.98	1.9137	0.0475
22:00:00	126.71	376.79	1.02	0.0072	81.98	1.9137	0.0472
22:00:30	126.75	376.79	1.02	0.0107	81.98	1.9137	0.0468
22:01:00	126.79	376.79	1.03	0.0142	81.98	1.9137	0.0465
22:01:30	126.83	376.78	1.04	0.0177	81.97	1.9137	0.0461
22:02:00	126.87	376.78	1.05	0.0212	81.97	1.9137	0.0458
22:02:30	126.81	376.78	1.06	0.0246	81.97	1.9137	0.0454
22:03:00	126.75	376.78	1.07	0.0280	81.97	1.9137	0.0451
22:03:30	126.69	376.78	1.08	0.0314	81.97	1.9136	0.0447
22:04:00	126.63	376.78	1.08	0.0348	81.97	1.9136	0.0444

OPEN LPR-N VALVE

[178] T0=05-MAY-83 22:04:30

P0=376.78

TIME	SDT	SDP	t-t0	L(t-t0)	P-P0	L(P-P0)
05-MAY-83	degC	bars	HR		bars	
22:05:00	126.55	347.12	0.01	-2.0792	29.66	1.4722
22:05:30	126.47	361.32	0.02	-1.7782	15.46	1.1893
* 22:06:00	126.40	368.45	0.03	-1.6021	8.33	0.9208
22:06:30	126.32	305.26	0.03	-1.4771	71.52	1.8544
22:07:00	126.24	305.89	0.04	-1.3802	70.89	1.8506
22:07:30	126.08	307.29	0.05	-1.3010	69.49	1.8419
22:08:00	126.00	305.81	0.06	-1.2341	70.97	1.8511
22:08:30	126.00	304.12	0.07	-1.1761	72.66	1.8613
22:09:00	125.92	302.25	0.08	-1.1249	74.53	1.8723
22:09:30	125.92	300.13	0.08	-1.0792	76.65	1.8845
22:10:00	125.84	298.26	0.09	-1.0378	78.52	1.8950
22:10:30	126.00	296.71	0.10	-1.0000	80.07	1.9035
22:11:00	125.84	294.89	0.11	-0.9652	81.89	1.9132
22:11:30	125.92	292.90	0.12	-0.9331	83.88	1.9236
22:12:00	125.92	294.93	0.12	-0.9031	81.85	1.9130
22:12:30	125.92	294.96	0.13	-0.8751	81.82	1.9129
22:13:00	125.92	293.47	0.14	-0.8487	83.31	1.9207
22:13:30	126.00	292.42	0.15	-0.8239	84.36	1.9261
22:14:00	126.00	294.88	0.16	-0.8004	81.90	1.9133
22:14:30	126.08	294.52	0.17	-0.7782	82.26	1.9152
22:15:00	126.08	293.39	0.17	-0.7570	83.39	1.9211
22:15:30	126.08	292.08	0.18	-0.7368	84.70	1.9279
22:16:00	126.16	290.43	0.19	-0.7175	86.35	1.9362
22:16:30	126.08	287.66	0.20	-0.6990	89.12	1.9500
22:17:00	126.24	285.08	0.21	-0.6812	91.70	1.9624
22:17:30	126.16	282.34	0.22	-0.6642	94.44	1.9752
22:18:00	126.16	279.73	0.22	-0.6478	97.05	1.9870
22:18:30	126.24	277.61	0.23	-0.6320	99.17	1.9964
22:19:00	126.24	279.70	0.24	-0.6168	97.08	1.9871
22:19:30	126.16	279.27	0.25	-0.6021	97.51	1.9890
22:20:00	126.32	278.76	0.26	-0.5878	98.02	1.9913
22:20:30	126.16	277.81	0.27	-0.5740	98.97	1.9955
22:21:00	126.16	280.38	0.28	-0.5607	96.40	1.9841
22:21:30	126.32	280.67	0.28	-0.5477	96.11	1.9828
22:22:00	126.40	279.94	0.29	-0.5351	96.84	1.9861
22:22:30	126.40	280.23	0.30	-0.5229	96.55	1.9847
22:23:00	126.32	280.62	0.31	-0.5110	96.16	1.9830
22:23:30	126.40	280.34	0.32	-0.4994	96.44	1.9843
22:24:00	126.40	279.54	0.32	-0.4881	97.24	1.9878

* OPEN WELL AT CHOKE MANIFOLD ON 48/64TH." FIXED CHOKE

TIME 05-MAY-83	SIT degC	SDP bars	t-t0 HR	L(t-t0)	P-P0 bars	L(P-P0)
22:24:30	126.47	277.46	0.33	-0.4771	99.32	1.9970
22:25:00	126.55	275.26	0.34	-0.4664	101.52	2.0066
22:25:30	126.47	273.16	0.35	-0.4559	103.62	2.0154
22:26:00	126.55	271.77	0.36	-0.4457	105.01	2.0212
22:26:30	126.63	270.48	0.37	-0.4357	106.30	2.0265
22:27:00	126.79	269.36	0.37	-0.4260	107.42	2.0311
22:27:30	126.63	268.37	0.38	-0.4164	108.41	2.0351
22:28:00	126.71	267.53	0.39	-0.4071	109.25	2.0384
22:28:30	126.79	266.22	0.40	-0.3979	110.56	2.0436
22:29:00	126.71	265.53	0.41	-0.3890	111.25	2.0463
22:29:30	126.87	265.35	0.42	-0.3802	111.43	2.0470
22:30:00	126.71	265.37	0.43	-0.3716	111.41	2.0469
22:30:30	126.79	264.97	0.43	-0.3632	111.81	2.0485
22:31:00	126.83	264.72	0.44	-0.3549	112.06	2.0494
22:31:30	126.87	264.48	0.45	-0.3468	112.30	2.0504
22:32:00	126.87	264.23	0.46	-0.3388	112.55	2.0513
22:32:30	126.95	264.08	0.47	-0.3310	112.70	2.0519
22:33:00	127.03	263.93	0.47	-0.3233	112.85	2.0525
22:33:30	127.03	263.91	0.48	-0.3158	112.87	2.0526
22:34:00	127.03	263.90	0.49	-0.3083	112.88	2.0526
22:34:30	127.03	263.79	0.50	-0.3010	112.99	2.0530
22:35:00	127.10	268.09	0.51	-0.2939	108.69	2.0362
22:35:30	127.10	269.12	0.52	-0.2868	107.66	2.0321
22:36:00	127.18	270.44	0.52	-0.2798	106.34	2.0267
22:36:30	127.18	271.20	0.53	-0.2730	105.58	2.0236
22:37:00	127.26	271.69	0.54	-0.2663	105.09	2.0216
22:37:30	127.34	272.21	0.55	-0.2596	104.57	2.0194
22:38:00	127.38	272.45	0.56	-0.2531	104.33	2.0184
22:38:30	127.42	272.70	0.57	-0.2467	104.08	2.0174
22:39:00	127.50	272.95	0.57	-0.2403	103.83	2.0163
22:39:30	127.58	273.07	0.58	-0.2341	103.71	2.0158
22:40:00	127.58	273.30	0.59	-0.2279	103.48	2.0149
22:40:30	127.66	273.49	0.60	-0.2218	103.29	2.0140
22:41:00	127.66	273.65	0.61	-0.2159	103.13	2.0134
22:41:30	127.73	273.75	0.62	-0.2099	103.03	2.0129
22:42:00	127.81	273.89	0.62	-0.2041	102.89	2.0124
22:42:30	127.81	274.00	0.63	-0.1984	102.78	2.0119
22:43:00	127.89	274.14	0.64	-0.1927	102.64	2.0113
22:43:30	127.97	274.31	0.65	-0.1871	102.47	2.0106
22:44:00	127.97	274.59	0.66	-0.1816	102.19	2.0094
22:44:30	128.01	274.61	0.67	-0.1761	102.17	2.0093
22:45:00	128.05	274.62	0.68	-0.1707	102.16	2.0093
22:45:30	128.09	274.71	0.68	-0.1654	102.07	2.0089
22:46:00	128.13	274.80	0.69	-0.1601	101.98	2.0085
22:46:30	128.21	274.98	0.70	-0.1549	101.80	2.0078
22:47:00	128.21	275.47	0.71	-0.1498	101.31	2.0057
22:47:30	128.21	275.91	0.72	-0.1447	100.87	2.0038
22:48:00	128.29	276.22	0.73	-0.1397	100.56	2.0024
22:48:30	128.36	276.35	0.73	-0.1347	100.43	2.0019
22:49:00	128.36	276.39	0.74	-0.1298	100.39	2.0017
22:49:30	128.36	276.43	0.75	-0.1249	100.35	2.0015
22:50:00	128.40	276.46	0.76	-0.1201	100.32	2.0014
22:50:30	128.44	276.48	0.77	-0.1154	100.30	2.0013
22:51:00	128.60	276.42	0.77	-0.1107	100.36	2.0016
22:51:30	128.52	276.70	0.78	-0.1061	100.08	2.0003
22:52:00	128.60	277.34	0.79	-0.1015	99.44	1.9976
22:52:30	128.60	277.34	0.80	-0.0969	99.44	1.9976
22:53:00	128.60	277.37	0.81	-0.0924	99.41	1.9974
22:53:30	128.68	277.48	0.82	-0.0880	99.30	1.9969
22:54:00	128.72	277.55	0.82	-0.0835	99.23	1.9966
22:54:30	128.76	277.62	0.83	-0.0792	99.16	1.9963
22:55:00	128.76	277.90	0.84	-0.0749	98.88	1.9951

TIME	SDT	SDP	t-t0	L(t-t0)	P-P0	L(P-P0)
05-MAY-83	degC	bars	HR		bars	
22:55:30	128.76	278.14	0.85	-0.0706	98.64	1.9941
22:56:00	128.84	278.30	0.86	-0.0663	98.48	1.9933
22:56:30	128.84	278.40	0.87	-0.0621	98.38	1.9929
22:57:00	128.84	278.39	0.87	-0.0580	98.39	1.9929
22:57:30	128.84	278.33	0.88	-0.0539	98.45	1.9932
22:58:00	128.84	278.26	0.89	-0.0498	98.52	1.9935
22:58:30	128.92	278.27	0.90	-0.0458	98.51	1.9935
22:59:00	128.92	278.36	0.91	-0.0418	98.42	1.9931
22:59:30	128.95	278.38	0.92	-0.0378	98.40	1.9930
23:00:00	128.99	278.40	0.93	-0.0339	98.38	1.9929
23:01:00	129.07	278.47	0.94	-0.0261	98.31	1.9926
23:02:00	129.23	278.49	0.96	-0.0185	98.29	1.9925
23:03:00	129.35	278.55	0.98	-0.0110	98.23	1.9923
23:04:00	129.27	278.66	0.99	-0.0036	98.12	1.9918
23:05:00	129.23	278.77	1.01	0.0036	98.01	1.9913
23:06:00	129.31	278.86	1.02	0.0107	97.92	1.9909
23:07:00	129.31	279.13	1.04	0.0177	97.65	1.9897
23:08:00	129.39	279.39	1.06	0.0246	97.39	1.9885
23:09:00	129.39	279.81	1.08	0.0314	96.97	1.9866
23:10:00	129.47	280.14	1.09	0.0381	96.64	1.9852
23:11:00	129.54	280.41	1.11	0.0447	96.37	1.9840
23:12:00	129.62	281.39	1.13	0.0512	95.39	1.9795
23:13:00	129.54	284.97	1.14	0.0575	91.81	1.9629
23:14:00	129.62	285.96	1.16	0.0638	90.82	1.9582
23:15:00	129.74	286.51	1.17	0.0700	90.27	1.9556
23:16:00	129.86	286.90	1.19	0.0762	89.88	1.9536
23:17:00	129.86	287.18	1.21	0.0822	89.60	1.9523
23:18:00	129.94	287.46	1.23	0.0881	89.32	1.9510
23:19:00	130.01	287.60	1.24	0.0940	89.18	1.9503
23:20:00	130.09	287.83	1.26	0.0998	88.95	1.9492
23:21:00	130.01	287.93	1.27	0.1055	88.85	1.9487
23:22:00	130.09	287.90	1.29	0.1112	88.88	1.9488
23:23:00	130.09	288.01	1.31	0.1167	88.77	1.9483
23:24:00	130.17	287.83	1.33	0.1222	88.95	1.9491
23:25:00	130.21	287.81	1.34	0.1276	88.97	1.9492
23:26:00	130.25	287.82	1.36	0.1330	88.96	1.9492
23:27:00	130.33	287.81	1.38	0.1383	88.97	1.9492
23:28:00	130.41	287.80	1.39	0.1435	88.98	1.9493
23:29:00	130.33	287.83	1.41	0.1487	88.95	1.9492
23:30:00	130.37	287.77	1.42	0.1538	89.01	1.9494
23:31:00	130.41	287.73	1.44	0.1589	89.05	1.9496
23:32:00	130.41	287.73	1.46	0.1639	89.05	1.9496
23:33:00	130.49	287.72	1.48	0.1688	89.06	1.9497
23:34:00	130.53	287.74	1.49	0.1737	89.04	1.9496
23:35:00	130.56	287.77	1.51	0.1785	89.01	1.9494
23:36:00	130.56	287.75	1.52	0.1833	89.03	1.9495
23:37:00	130.64	287.73	1.54	0.1880	89.05	1.9496
23:38:00	130.64	287.73	1.56	0.1927	89.05	1.9496
23:39:00	130.64	287.77	1.58	0.1973	89.01	1.9494
23:40:00	130.64	287.81	1.59	0.2019	88.97	1.9492
23:41:00	130.88	287.82	1.61	0.2064	88.96	1.9492
23:42:00	130.80	287.89	1.63	0.2109	88.89	1.9489
23:43:00	130.72	287.95	1.64	0.2153	88.83	1.9485
23:44:00	130.72	288.00	1.66	0.2197	88.78	1.9483
23:45:00	130.80	288.06	1.67	0.2240	88.72	1.9480
23:46:00	130.88	288.13	1.69	0.2283	88.65	1.9477
23:47:00	130.80	288.19	1.71	0.2326	88.59	1.9474
23:48:00	130.84	288.27	1.73	0.2368	88.51	1.9470
23:49:00	130.88	288.34	1.74	0.2410	88.44	1.9466
23:50:00	130.80	288.41	1.76	0.2451	88.37	1.9463
23:51:00	130.96	288.43	1.77	0.2492	88.35	1.9462
23:52:00	130.88	288.51	1.79	0.2533	88.27	1.9458

TIME 05-MAY-83	SDT degC	SDP bars	t-t0 HR	L(t-t0)	P-P0 bars	L(P-P0)
23:53:00	130.96	288.62	1.81	0.2573	88.16	1.9453
23:54:00	130.96	288.79	1.83	0.2613	87.99	1.9444
23:55:00	131.03	288.93	1.84	0.2652	87.85	1.9437
23:56:00	131.03	289.22	1.86	0.2691	87.56	1.9423
23:57:00	131.03	289.60	1.87	0.2730	87.18	1.9404
23:58:00	131.11	289.74	1.89	0.2768	87.04	1.9397
23:59:00	131.11	289.87	1.91	0.2807	86.91	1.9391
00:00:00	131.11	289.99	1.92	0.2844	86.79	1.9384
00:00:00	131.11	289.99	1.92	0.2844	86.79	1.9384
00:05:00	131.27	291.56	2.01	0.3028	85.22	1.9305
00:10:00	131.31	292.00	2.09	0.3205	84.78	1.9283
00:15:00	131.51	292.31	2.17	0.3375	84.47	1.9267
00:20:00	131.51	292.40	2.26	0.3538	84.38	1.9262
00:25:00	131.62	292.70	2.34	0.3695	84.08	1.9247
00:30:00	131.58	292.86	2.42	0.3847	83.92	1.9239
00:35:00	131.74	293.07	2.51	0.3994	83.71	1.9228
00:40:00	131.74	293.22	2.59	0.4136	83.56	1.9220
00:45:00	131.82	293.41	2.67	0.4273	83.37	1.9210
00:50:00	131.90	293.57	2.76	0.4406	83.21	1.9202
00:55:00	131.94	293.82	2.84	0.4536	82.96	1.9189
01:00:00	132.05	293.92	2.92	0.4661	82.86	1.9183
01:05:00	132.13	294.02	3.01	0.4783	82.76	1.9178
01:10:00	132.13	293.70	3.09	0.4902	83.08	1.9195
01:15:00	132.21	293.88	3.17	0.5017	82.90	1.9185
01:20:00	132.20	293.99	3.26	0.5130	82.79	1.9180
01:25:00	132.21	294.07	3.34	0.5240	82.71	1.9175
01:30:00	132.29	294.24	3.42	0.5347	82.54	1.9167
01:35:00	132.33	294.34	3.51	0.5451	82.44	1.9162
01:40:00	132.44	294.61	3.59	0.5553	82.17	1.9147
01:45:00	132.44	295.67	3.67	0.5653	81.11	1.9091
01:50:00	132.68	297.36	3.76	0.5750	79.42	1.8999
01:55:00	132.60	297.67	3.84	0.5845	79.11	1.8982
02:00:00	132.68	297.76	3.92	0.5938	79.02	1.8978
02:05:00	133.54	364.26	4.01	0.6030	12.52	1.0976 * FAILSAFE SHUT I
02:10:00	134.09	372.80	4.09	0.6119	3.98	0.6004
02:15:00	134.24	373.68	4.18	0.6207	3.10	0.4920 * FAILSAFE OPEN
02:20:00	134.13	374.11	4.26	0.6292	2.67	0.4271
02:25:00	133.62	314.46	4.34	0.6377	62.32	1.7946
02:30:00	133.23	301.63	4.43	0.6459	75.15	1.8759
02:35:00	132.99	299.77	4.51	0.6540	77.01	1.8866
02:40:00	132.91	299.13	4.59	0.6620	77.65	1.8901
02:45:00	132.91	299.08	4.68	0.6698	77.70	1.8904
02:50:00	132.99	298.96	4.76	0.6775	77.82	1.8911
02:55:00	132.99	303.12	4.84	0.6850	73.66	1.8672
03:00:00	133.15	304.85	4.93	0.6924	71.93	1.8569
03:05:00	133.23	305.16	5.01	0.6997	71.62	1.8551
03:10:00	133.31	305.43	5.09	0.7069	71.35	1.8534
03:15:00	133.31	305.52	5.18	0.7139	71.26	1.8528
03:20:00	133.38	305.53	5.26	0.7208	71.25	1.8528
03:25:00	133.50	305.68	5.34	0.7277	71.10	1.8519
03:30:00	133.70	305.74	5.43	0.7344	71.04	1.8515
03:35:00	133.70	305.82	5.51	0.7410	70.96	1.8510
03:40:00	133.85	305.79	5.59	0.7475	70.99	1.8512
03:45:00	133.77	305.95	5.68	0.7540	70.83	1.8502
03:50:00	133.89	305.92	5.76	0.7603	70.86	1.8504
03:55:00	133.92	305.99	5.84	0.7665	70.79	1.8500
04:00:00	133.85	306.12	5.93	0.7727	70.66	1.8492
04:05:00	133.93	306.21	6.01	0.7788	70.57	1.8486
04:10:00	133.93	306.28	6.09	0.7847	70.50	1.8482
04:15:00	133.93	306.29	6.18	0.7906	70.49	1.8481
04:20:00	133.97	306.42	6.26	0.7965	70.36	1.8473
04:25:00	133.93	306.45	6.34	0.8022	70.33	1.8472

! * SWITCH FLOW THROUGH SEPARATOR ** OPEN WELL AT CHOKE MANIFOLD ON 48/64TH." FIXED

TIME 06-MAY-83	SDT degC	SDP bars	t-t0 HR	L(t-t0)	P-P0 bars	L(P-P0)
04:30:00	134.01	306.60	6.43	0.8079	70.18	1.8462
04:35:00	134.09	306.68	6.51	0.8135	70.10	1.8457
04:40:00	134.09	306.68	6.59	0.8190	70.10	1.8457
04:45:00	134.09	306.68	6.68	0.8245	70.10	1.8457
04:50:00	134.24	306.79	6.76	0.8298	69.99	1.8450
04:55:00	134.10	306.87	6.84	0.8352	69.91	1.8446
05:00:00	134.15	306.93	6.93	0.8404	69.85	1.8442
05:05:00	134.13	306.93	7.01	0.8456	69.85	1.8441
05:10:00	134.16	307.01	7.09	0.8507	69.77	1.8437
05:15:00	134.23	307.04	7.18	0.8558	69.74	1.8435
05:20:00	134.24	307.11	7.26	0.8608	69.67	1.8431
05:25:00	134.24	307.12	7.34	0.8658	69.66	1.8430
05:30:00	134.31	307.12	7.43	0.8707	69.66	1.8430
05:35:00	134.24	307.29	7.51	0.8755	69.49	1.8419
05:40:00	134.29	307.34	7.59	0.8803	69.44	1.8416
05:45:00	134.32	307.37	7.68	0.8851	69.41	1.8414
05:50:00	134.32	307.46	7.76	0.8898	69.32	1.8409
05:55:00	134.34	307.48	7.84	0.8944	69.30	1.8408
06:00:00	134.33	307.50	7.93	0.8990	69.28	1.8406
06:05:00	134.40	307.50	8.01	0.9035	69.28	1.8406
06:10:00	134.34	307.55	8.09	0.9080	69.23	1.8403
06:15:00	134.40	307.60	8.18	0.9125	69.18	1.8400
06:20:00	134.40	307.63	8.26	0.9169	69.15	1.8398
06:25:00	134.59	307.63	8.34	0.9213	69.15	1.8398
06:30:00	134.48	307.71	8.43	0.9256	69.07	1.8393
06:35:00	134.56	307.77	8.51	0.9298	69.01	1.8389
06:40:00	134.48	307.85	8.59	0.9341	68.93	1.8384
06:45:00	134.56	308.18	8.68	0.9383	68.60	1.8363
06:50:00	134.56	308.47	8.76	0.9424	68.31	1.8345
06:55:00	134.63	308.53	8.84	0.9465	68.25	1.8341
07:00:00	134.69	308.52	8.93	0.9506	68.26	1.8342
07:05:00	134.63	308.51	9.01	0.9546	68.27	1.8342
07:10:00	134.67	308.52	9.09	0.9586	68.26	1.8341
07:15:00	134.63	308.97	9.18	0.9626	67.81	1.8313
07:20:00	134.71	309.10	9.26	0.9665	67.68	1.8304
07:25:00	134.67	309.27	9.34	0.9704	67.51	1.8294
07:30:00	134.71	309.33	9.43	0.9743	67.45	1.8290
07:35:00	134.67	309.44	9.51	0.9781	67.34	1.8283
07:40:00	134.71	309.47	9.59	0.9819	67.31	1.8281
07:45:00	134.71	309.53	9.68	0.9857	67.25	1.8277
07:50:00	134.71	309.55	9.76	0.9894	67.23	1.8276
07:55:00	134.71	309.58	9.84	0.9931	67.20	1.8274
08:00:00	134.71	309.66	9.93	0.9967	67.12	1.8269
08:05:00	134.71	309.60	10.01	1.0004	67.18	1.8273
08:10:00	134.71	309.80	10.09	1.0040	66.98	1.8259
08:15:00	134.79	309.82	10.18	1.0075	66.96	1.8258
08:20:00	134.79	309.69	10.26	1.0111	67.09	1.8266
08:25:00	134.79	309.68	10.34	1.0146	67.10	1.8267
08:30:00	134.79	309.74	10.43	1.0181	67.04	1.8263
08:35:00	134.79	309.75	10.51	1.0215	67.03	1.8263
08:40:00	134.79	309.74	10.59	1.0250	67.04	1.8264
08:45:00	134.79	309.74	10.68	1.0284	67.04	1.8264
08:50:00	134.79	309.74	10.76	1.0317	67.04	1.8264
08:55:00	134.79	309.74	10.84	1.0351	67.04	1.8263
09:00:00	134.79	309.74	10.93	1.0384	67.04	1.8263
09:05:00	134.79	309.74	11.01	1.0417	67.04	1.8263
09:10:00	134.79	309.74	11.09	1.0450	67.04	1.8263
09:15:00	134.79	309.74	11.18	1.0482	67.04	1.8263
09:20:00	134.79	309.74	11.26	1.0515	67.04	1.8263
09:25:00	134.79	309.74	11.34	1.0547	67.04	1.8263
09:30:00	134.79	309.74	11.43	1.0579	67.04	1.8263
09:35:00	134.79	309.75	11.51	1.0610	67.03	1.8263

TIME 06-MAY-83	SDT degC	SDP bars	t-t0 HR	L(t-t0)	P-P0 bars	L(P-P0)
09:40:00	134.79	309.75	11.59	1.0641	67.03	1.8263
09:45:00	134.79	309.75	11.68	1.0673	67.03	1.8263
09:50:00	134.79	309.75	11.76	1.0703	67.03	1.8263
09:55:00	134.79	309.75	11.84	1.0734	67.03	1.8263
10:00:00	134.79	309.75	11.93	1.0765	67.03	1.8263
10:05:00	134.79	309.75	12.01	1.0795	67.03	1.8263
10:10:00	134.79	309.75	12.09	1.0825	67.03	1.8263
10:15:00	134.79	309.75	12.18	1.0855	67.03	1.8263
10:20:00	134.79	309.75	12.26	1.0884	67.03	1.8262
10:25:00	134.79	309.75	12.34	1.0914	67.03	1.8262
10:30:00	134.79	309.76	12.43	1.0943	67.02	1.8262
10:35:00	134.79	309.76	12.51	1.0972	67.02	1.8262
10:40:00	134.79	309.76	12.59	1.1001	67.02	1.8262
10:45:00	134.79	309.76	12.68	1.1029	67.02	1.8262
10:50:00	134.79	309.76	12.76	1.1058	67.02	1.8262
10:55:00	134.79	309.76	12.84	1.1086	67.02	1.8262
11:00:00	134.79	309.76	12.93	1.1114	67.02	1.8262
11:05:00	134.79	309.76	13.01	1.1142	67.02	1.8262
11:10:00	134.79	309.76	13.09	1.1170	67.02	1.8262
11:15:00	134.79	309.76	13.18	1.1198	67.02	1.8262
11:20:00	134.79	309.76	13.26	1.1225	67.02	1.8262
11:25:00	134.79	309.77	13.34	1.1252	67.01	1.8262
11:30:00	134.79	309.77	13.43	1.1279	67.01	1.8262
11:35:00	134.79	309.77	13.51	1.1306	67.01	1.8262
11:40:00	134.79	309.77	13.59	1.1333	67.01	1.8262
11:45:00	134.79	309.77	13.68	1.1359	67.01	1.8261
11:50:00	134.79	309.77	13.76	1.1386	67.01	1.8261
11:55:00	134.79	309.77	13.84	1.1412	67.01	1.8261
12:00:00	134.79	309.77	13.93	1.1438	67.01	1.8261
12:05:00	134.79	309.77	14.01	1.1464	67.01	1.8261
12:10:00	134.79	309.77	14.09	1.1490	67.01	1.8261
12:15:00	134.79	309.77	14.18	1.1515	67.01	1.8261
12:20:00	134.79	309.78	14.26	1.1541	67.00	1.8261
12:25:00	134.79	309.78	14.34	1.1566	67.00	1.8261
12:30:00	134.79	309.78	14.43	1.1591	67.00	1.8261
12:35:00	134.79	309.78	14.51	1.1616	67.00	1.8261
12:40:00	134.79	309.78	14.59	1.1641	67.00	1.8261
12:45:00	134.79	309.78	14.68	1.1666	67.00	1.8261
12:50:00	134.79	309.78	14.76	1.1690	67.00	1.8261
12:55:00	134.79	309.79	14.84	1.1715	66.99	1.8260
13:00:00	134.79	309.88	14.93	1.1739	66.90	1.8254
13:05:00	134.79	309.96	15.01	1.1763	66.82	1.8249
13:10:00	134.87	310.00	15.09	1.1787	66.78	1.8247
13:15:00	134.87	310.07	15.18	1.1811	66.71	1.8242
13:20:00	134.87	310.10	15.26	1.1835	66.68	1.8240
13:25:00	134.87	310.11	15.34	1.1859	66.67	1.8240
13:30:00	134.87	310.13	15.43	1.1882	66.65	1.8238
13:35:00	134.87	310.14	15.51	1.1906	66.64	1.8238
13:40:00	134.95	310.16	15.59	1.1929	66.62	1.8236
13:45:00	134.95	310.16	15.68	1.1952	66.62	1.8236
13:50:00	134.95	310.18	15.76	1.1975	66.60	1.8235
13:55:00	134.87	310.29	15.84	1.1998	66.49	1.8228
14:00:00	134.87	310.29	15.93	1.2021	66.49	1.8228
14:05:00	134.87	310.29	16.01	1.2043	66.49	1.8228
14:10:00	134.87	310.29	16.09	1.2066	66.49	1.8227

END OF VALID DATA ON SDP NO: 82020.