

FLOPETROL JOHNSTON

Denne rapport
tilhører



L&U DOK. SENTER

L. NR. 20084500008

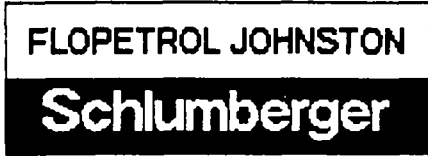
KODE Well 31/2-15 nr.13

Returneres etter bruk

SDP/TPT PRESSURE AND TEMPERATURE SURVEY

SHELL.
NORWAY.
TROLL.
31/2-15, FRAC-TEST
UPPER JURASIC, OXFORDIAN.
WELS 84.94.
NWB.
SDP 84223 / 84178

Well DATA acquisition system-Well DATA acquisition system-Well DATA acquisition



SDP/TPT PRESSURE AND TEMPERATURE SURVEY

company	: SHELL.
country	: NORWAY.
field	: TROLL.
well	: 31/2-15 , FRAC-TEST
tested zone	: UPPER JURASIC, OXFORDIAN.
report nbr.	: ELS 84.94.
base	: NWB.
gauge	: SDP 84223 / 84178

GENERAL INFORMATION

1.1	service	:SDP/TPT PRESSURE AND TEMPERATURE SURVAY.
1.2	company	:SHELL.
1.3	well	:31/2-15
1.4	field	:TROLL.
1.6	country	:NORWAY.
1.7	tested zone	:UPPER JURASIC, OXFORDIAN.
1.8	lat.,long.	:60deg 55' 25,58" N-03deg 34' 02,50" S.

OPERATION DATA

2.1	date of test	:5-6 NOV.84
2.2	report nbr.	:ELS 84.94.
2.3	base	:NWB.
2.5	recorded by	:GEIR-OLE EIKEMO.
2.6	witnessed by	:LES JHONSTONE.

WELL DATA

3.1	state before test	:CASED HOLE.
3.2	well type	:APPRAISAL.
3.3	fluid type	:BRINE/WATER.
3.5	completion type	:DST-CASED HOLE.
3.6	min. restriction	:1.875" (F-NIPPEL).
3.8	vert. depth	:1677mRKB.
3.9	hole size	:9 5/8".
3.10	Csg size/shoe	:9 5/8".
3.11	tbq. shoe at	:1554mRKB.
3.12	perf. shot density	:12 SHOTS/FT.
3.13	perf. gun type	:BAKER DEEP PENETRATOR.
3.14	perf. conditions	:UNDER BALANCE.
3.15	perf. interval(s)	:1564-1567mRKB.
3.17	static W.H.P.	:1820PSI.
3.20	gas gravity	:0.601.

DEPTH INFORMATION

5.1	depth unit	:METER.
5.2	depth reference	:RKB.
5.3	log ref.,elevation	:RKB.
5.4	total depth drlg.	:1677mRKB.
5.5	total depth FLO.	:1553.6mRKB.
5.8	gauge M.P. set at	:1550.77mRKB.

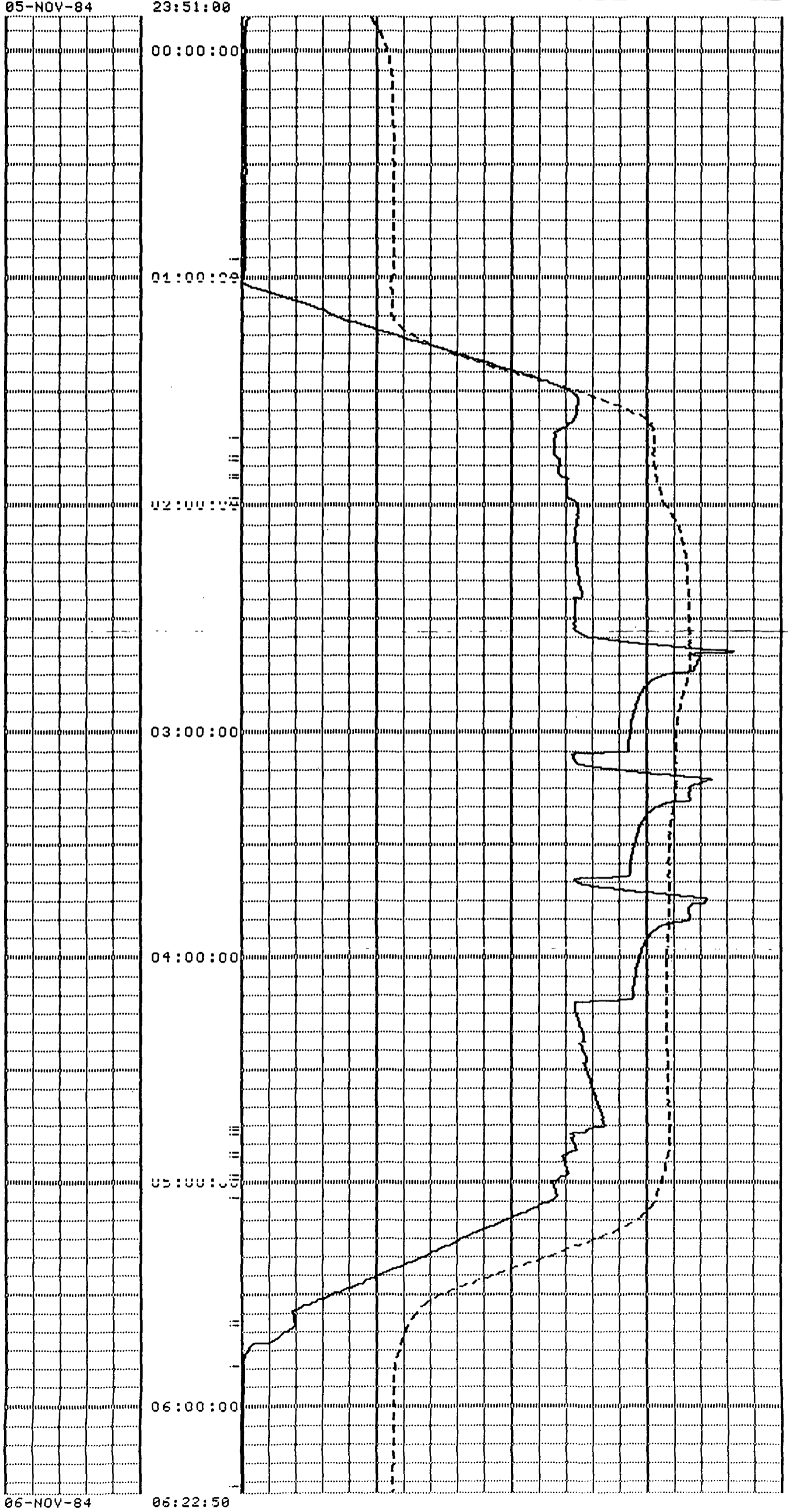
DOWNHOLE EQUIPMENT

6.1	cable type	:SLICK-LINE.
6.2	gauge	:SDP/TPT # 84223.
6.3	recorder	:RM # 84178.
6.5	length	:2.52 M.
6.6	max O.D	:1 11/16".

SEQUENCE OF EVENTS

05-NOV-84 23:21:00	!POWER ON SDP# 84223.
05-NOV-84 23:38:00	!TOOLS IN LUB.
05-NOV-84 23:45:00	!LUB. CONNECTED.
06-NOV-84 00:55:00	!OPEN PCT-VALVE.
06-NOV-84 01:00:00	!OPEN LUB.VALVE, R.I.H.
06-NOV-84 01:42:00	!GRADIENT STOP @ 1405.3mRKB.
06-NOV-84 01:47:00	!R.I.H.
06-NOV-84 01:48:00	!GRADIENT STOP @ 1455.3mRKB.
06-NOV-84 01:52:00	!R.I.H.
06-NOV-84 01:53:00	!GRADIENT STOP @ 1505.3mRKB.
06-NOV-84 01:58:00	!R.I.H.
06-NOV-84 02:00:00	!GAUGES IN F-NIPPELL, GAUGE M.P. @ 1550.77mRKB.
06-NOV-84 04:45:00	!LATCH ON GAUGES.
06-NOV-84 04:46:00	!P.O.O.H.
06-NOV-84 04:47:00	!GRADIENT STOP @ 1505.3mRKB.
06-NOV-84 04:52:00	!P.O.O.H.
06-NOV-84 04:53:00	!GRADIENT STOP @ 1455.3mRKB.
06-NOV-84 04:58:00	!P.O.O.H.
06-NOV-84 04:59:00	!GRADIENT STOP @ 1405.3mRKB.
06-NOV-84 05:04:00	!P.O.O.H.
06-NOV-84 05:37:00	!TOOLS IN LUB. CLOSE LUB.VALVE.
06-NOV-84 05:38:00	!BLEED OFF PRESSURE.
06-NOV-84 05:49:00	!LUB. DISCONNECTED.
06-NOV-84 06:21:00	!TOOLS OFF STRING.
06-NOV-84 06:25:00	!POWER OFF SDP# 84223.

	SDP (psia)	0.	4000.
		[62.779]	
	SDT (degF)	0.	160.
		[37.825]	



SHELL, WELL:31/2-15, DST#2, TROLLFIELD, SIP#84223, FRACTEST.

[245] START TIME:05-NOV-84 23:21:00

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23:21:00 POWER ON SDP# 84223.
23:38:00 TOOLS IN LUB.
23:45:00 LUB. CONNECTED.

05-NOV-84	SDT degF	SDP psia
23:51:00	37.83	62.78
23:51:10	38.13	55.03
23:51:20	38.28	48.98
23:51:30	38.43	44.27
23:51:40	38.59	40.65
23:51:50	38.59	37.64
23:52:00	38.74	35.23
23:52:10	38.89	33.29
23:52:30	39.04	30.36
23:52:50	39.19	28.34
23:53:10	39.50	26.92
23:53:50	39.95	25.20
23:54:30	40.41	24.16
23:55:50	41.32	23.27
23:58:30	42.54	22.40
23:59:50	42.84	22.11
00:00:30	42.99	22.01
00:00:50	42.99	21.96
00:01:00	43.15	22.59
00:06:20	44.06	22.00
00:17:00	44.67	21.73
00:19:40	44.67	21.52
00:25:00	44.82	21.58
00:27:40	44.82	21.48
00:29:00	44.67	21.57
00:29:40	44.82	21.58
00:30:00	44.82	21.24
00:30:20	44.82	21.29
00:30:30	44.82	21.26
00:30:40	44.82	22.11
00:30:50	44.82	23.82
00:31:00	44.82	30.22
00:31:10	44.82	33.08
00:31:20	44.82	33.68
00:31:30	44.82	33.91
00:31:40	44.82	34.51
00:32:00	44.82	34.53
00:32:10	44.82	34.03
00:32:20	44.82	29.95
00:32:30	44.82	26.89
00:32:40	44.82	25.85
00:33:00	44.82	25.12
00:33:40	44.82	24.42
00:44:20	44.97	24.33
00:49:40	45.12	24.40
00:52:20	44.97	24.44
00:53:00	45.12	24.35
00:53:20	44.97	24.33
00:53:30	44.97	24.36
00:53:40	45.12	23.57
00:53:50	45.12	23.21
00:55:00	OPEN PCT-VALVE.	
00:55:10	44.97	23.25
00:56:30	45.12	23.58
00:57:10	45.12	23.58
00:57:20	45.12	23.47
00:57:30	45.12	22.80

	SDT	SDP
06-NOV-84	degF	psia
00:57:40	45.12	22.46
00:58:00	45.12	19.43
00:58:10	45.12	17.78
00:58:30	45.12	13.05
00:58:40	44.97	11.16
00:59:00	45.12	8.50
00:59:10	44.97	6.79
00:59:20	44.82	6.13
00:59:40	44.67	5.97
00:59:50	44.67	0.96
01:00:00	OPEN LUB. VALVE, R.I.H.	
01:00:00	44.67	-1.63
01:00:10	44.67	-1.24
01:00:20	44.51	-1.65
01:00:30	44.36	-1.52
01:00:50	44.51	-1.74
01:01:00	44.36	-1.83
01:01:10	44.21	0.95
01:01:20	44.21	9.13
01:01:30	44.21	18.98
01:01:40	44.21	28.08
01:01:50	44.06	38.56
01:02:10	44.21	64.63
01:02:20	44.21	78.07
01:02:40	44.21	106.48
01:03:00	44.21	135.84
01:03:10	44.36	150.92
01:03:30	44.51	180.28
01:04:10	44.51	239.72
01:04:30	44.51	268.09
01:05:10	44.67	324.16
01:05:30	44.67	351.47
01:05:40	44.67	365.81
01:05:50	44.67	380.63
01:06:10	44.67	411.01
01:06:30	44.67	440.78
01:06:50	44.67	469.69
01:07:00	44.67	484.35
01:07:10	44.67	500.45
01:07:20	44.67	515.06
01:07:30	44.51	529.30
01:07:40	44.51	543.11
01:07:50	44.51	552.72
01:08:00	44.51	563.73
01:08:10	44.36	575.31
01:08:30	44.36	599.21
01:08:40	44.21	609.97
01:08:50	44.21	617.74
01:09:00	44.21	626.50
01:09:10	44.21	633.54
01:09:20	44.21	641.80
01:09:30	44.21	651.47
01:09:40	44.36	663.04
01:09:50	44.36	675.17
01:10:10	44.51	696.41
01:10:20	44.67	708.21
01:10:40	44.82	732.71
01:10:50	44.97	747.12
01:11:10	45.12	778.53
01:11:50	45.73	840.37
01:12:10	46.03	872.07
01:12:50	46.94	937.19

06-NOV-84	SDT degF	SDP psia
01:13:10	47.40	970.59
01:13:50	48.46	1036.75
01:14:00	48.77	1053.83
01:14:10	49.07	1070.54
01:14:20	49.37	1085.91
01:14:40	49.83	1114.95
01:14:50	50.13	1129.50
01:15:10	50.89	1159.57
01:15:50	52.11	1221.61
01:16:10	53.02	1252.97
01:16:20	53.32	1268.74
01:16:40	54.23	1299.86
01:17:00	54.99	1332.10
01:17:10	55.29	1348.53
01:17:30	56.05	1380.48
01:18:10	57.87	1443.41
01:18:20	58.47	1458.28
01:18:40	59.23	1488.51
01:19:20	61.20	1550.71
01:19:40	62.26	1581.48
01:19:50	62.72	1596.87
01:20:30	64.84	1659.58
01:20:40	65.44	1674.85
01:21:00	66.50	1704.10
01:21:10	66.95	1718.80
01:21:30	68.01	1749.28
01:21:50	69.22	1780.25
01:22:00	69.83	1795.64
01:22:20	70.89	1827.03
01:22:30	71.49	1842.88
01:22:40	72.10	1858.18
01:22:50	72.85	1874.00
01:24:10	77.69	1993.75
01:24:30	78.89	2023.99
01:24:40	79.50	2039.21
01:25:00	80.70	2068.69
01:25:10	81.46	2084.05
01:25:30	82.67	2113.33
01:25:50	83.87	2142.03
01:26:10	85.38	2170.02
01:26:20	85.83	2184.31
01:26:30	86.59	2197.62
01:26:40	87.19	2211.29
01:26:50	87.79	2224.51
01:27:00	88.40	2237.45
01:27:20	89.75	2262.58
01:27:30	90.35	2274.93
01:27:50	91.56	2298.59
01:28:10	92.91	2322.67
01:28:20	93.52	2334.74
01:28:30	94.12	2346.31
01:28:40	94.87	2358.82
01:29:00	95.92	2381.35
01:29:10	96.68	2392.10
01:29:30	97.88	2411.99
01:29:40	98.48	2421.57
01:29:50	99.08	2430.46
01:30:00	99.54	2437.38
01:30:20	100.89	2449.51
01:30:30	101.49	2455.82
01:30:40	101.94	2463.00
01:31:00	102.99	2474.23

06-NOV-84	SDT degF	SDP psia
01:31:10	103.74	2480.14
01:31:20	104.19	2482.28
01:31:30	104.80	2484.85
01:31:40	105.25	2483.80
01:31:50	105.85	2482.37
01:32:00	106.30	2485.28
01:32:10	106.75	2487.05
01:32:20	107.35	2489.44
01:32:30	107.95	2489.09
01:32:40	108.40	2489.70
01:32:50	108.85	2488.59
01:33:00	109.45	2488.69
01:33:40	111.25	2486.67
01:35:00	114.70	2481.37
01:36:20	117.55	2475.42
01:36:40	118.15	2473.92
01:36:50	118.45	2472.89
01:37:10	119.05	2468.30
01:37:30	119.50	2462.25
01:37:40	119.65	2459.12
01:37:50	119.95	2454.83
01:38:00	120.10	2450.19
01:38:10	120.25	2441.77
01:38:20	120.55	2434.21
01:38:40	120.70	2419.45
01:38:50	121.00	2412.27
01:39:00	121.15	2404.74
01:39:40	121.59	2375.50
01:40:00	121.59	2360.11
01:40:20	121.74	2343.94
01:40:40	122.04	2327.01
01:40:50	121.89	2318.29
01:41:00	122.04	2313.51
01:41:10	122.04	2317.80
01:41:20	122.04	2321.52
01:41:30	122.04	2324.04
01:41:40	122.04	2322.88
01:41:50	122.04	2322.78
01:42:00	GRADIENT STOP @ 1405.3mRKB.	
01:42:00	122.04	2321.84
01:44:40	121.89	2314.08
01:46:00	121.89	2310.54
01:46:40	121.74	2308.79
01:46:50	121.89	2311.49
01:47:00	R. I. H.	
01:47:00	121.89	2316.08
01:47:10	121.89	2322.28
01:47:20	121.89	2329.03
01:47:30	121.89	2336.60
01:47:40	121.89	2343.81
01:47:50	121.89	2350.74
01:48:00	GRADIENT STOP @ 1455.3mRKB.	
01:48:00	121.89	2354.83
01:48:10	121.89	2353.35
01:48:20	122.04	2353.63
01:48:30	122.04	2352.65
01:49:50	122.19	2349.45
01:51:10	122.34	2345.47
01:51:30	122.34	2344.44
01:51:40	122.34	2343.90
01:51:50	122.34	2345.71
01:52:00	R. I. H.	

06-NOV-84	SDT degF	SDP psia
01:52:00	122.64	2349.45
01:52:10	122.49	2354.88
01:52:20	122.49	2362.82
01:52:30	122.49	2373.60
01:52:40	122.49	2386.32
01:53:00	GRADIENT STOP @ 1505.3mRKB.	
01:53:00	122.79	2406.00
01:53:10	122.79	2411.86
01:53:20	122.94	2411.25
01:53:30	122.94	2411.75
01:53:40	122.79	2411.29
01:56:20	123.69	2410.94
01:57:40	123.99	2410.31
01:57:50	123.99	2412.21
01:58:00	R. I. H.	
01:58:00	123.99	2418.00
01:58:10	124.14	2423.18
01:58:20	124.14	2429.05
01:58:30	124.14	2436.77
01:58:40	124.29	2445.46
01:58:50	124.44	2453.64
01:59:10	124.74	2467.57
01:59:20	124.74	2475.00
01:59:30	125.04	2482.08
01:59:40	125.19	2484.34
01:59:50	125.34	2484.37
02:00:00	GAUGES IN F-NIPPELL, GAUGE M.P. @ 1550.77mRKB.	
02:00:00	125.34	2483.95
02:00:10	125.49	2484.52
02:00:30	125.64	2484.44
02:01:10	126.23	2484.89
02:01:30	126.53	2484.99
02:01:40	126.68	2485.28
02:01:50	126.83	2484.67
02:02:00	126.98	2484.68
02:02:10	127.13	2486.32
02:02:20	127.13	2483.66
02:02:30	127.28	2486.00
02:02:40	127.58	2485.13
02:03:00	127.58	2485.20
02:03:20	127.88	2484.86
02:03:30	128.18	2483.91
02:03:40	128.18	2484.25
02:04:00	128.33	2482.55
02:04:10	128.48	2483.22
02:04:20	128.63	2483.12
02:04:30	128.63	2481.49
02:04:40	128.78	2476.08
02:04:50	128.78	2477.43
02:05:00	128.93	2476.65
02:05:40	129.38	2475.67
02:05:50	129.38	2473.73
02:06:00	129.38	2473.34
02:06:10	129.53	2473.78
02:06:20	129.53	2473.33
02:06:30	129.67	2473.43
02:06:40	129.82	2473.19
02:07:00	129.82	2473.32
02:07:20	130.12	2472.87
02:07:30	129.97	2472.89
02:07:40	130.12	2473.77
02:07:50	130.12	2473.04

06-NOV-84	SDT degF	SDP psia
02:08:00	130.27	2473.26
02:08:40	130.57	2472.55
02:08:50	130.57	2472.74
02:09:00	130.42	2472.17
02:09:10	130.57	2472.60
02:09:20	130.57	2473.55
02:09:30	130.72	2473.03
02:09:40	130.87	2472.87
02:10:00	130.87	2473.23
02:10:20	130.87	2476.64
02:10:30	131.02	2480.78
02:10:40	131.02	2477.67
02:10:50	130.87	2479.83
02:11:00	131.02	2478.66
02:11:10	131.02	2478.45
02:11:20	131.17	2475.06
02:11:30	131.17	2476.27
02:11:50	131.32	2476.07
02:12:00	131.32	2476.70
02:12:10	131.32	2476.18
02:12:20	131.32	2477.13
02:12:30	131.32	2476.82
02:12:40	131.47	2477.04
02:12:50	131.32	2478.03
02:13:00	131.47	2477.78
02:13:40	131.47	2477.66
02:14:20	131.77	2476.06
02:15:40	131.77	2475.43
02:15:50	131.92	2475.39
02:16:00	131.92	2475.66
02:21:20	132.22	2503.71
02:24:00	132.37	2517.64
02:24:10	132.37	2518.43
02:24:20	132.37	2459.31
02:24:30	132.37	2471.91
02:24:40	132.37	2473.01
02:24:50	132.37	2467.71
02:25:00	132.37	2473.15
02:25:10	132.37	2469.11
02:25:20	132.51	2471.66
02:25:30	132.37	2470.32
02:25:40	132.37	2470.83
02:26:20	132.51	2470.73
02:26:40	132.37	2470.78
02:27:00	132.51	2470.56
02:27:10	132.51	2470.50
02:28:30	132.51	2473.15
02:28:40	132.51	2470.56
02:28:50	132.51	2463.85
02:29:00	132.51	2467.43
02:29:10	132.51	2465.77
02:29:20	132.51	2466.17
02:29:30	132.51	2466.18
02:29:40	132.66	2465.87
02:29:50	132.51	2466.04
02:30:30	132.66	2465.82
02:30:50	132.51	2465.65
02:31:00	132.66	2465.61
02:31:10	132.66	2464.56
02:31:20	132.66	2460.06
02:31:30	132.51	2461.81
02:31:40	132.66	2461.58

06-NOV-84	SDT degF	SDP psia
02:31:50	132.66	2462.90
02:32:00	132.51	2465.35
02:32:10	132.66	2463.66
02:32:30	132.66	2463.83
02:32:40	132.66	2463.33
02:33:00	132.66	2463.12
02:33:10	132.66	2473.47
02:33:30	132.66	2491.36
02:33:40	132.81	2500.59
02:33:50	132.66	2509.25
02:34:00	132.66	2517.46
02:34:10	132.66	2524.75
02:34:20	132.66	2531.48
02:34:30	132.66	2539.62
02:34:40	132.66	2552.95
02:34:50	132.66	2573.50
02:35:10	132.81	2638.45
02:35:20	132.66	2671.97
02:35:30	132.66	2706.44
02:35:40	132.81	2741.80
02:35:50	132.81	2778.05
02:36:00	132.66	2815.27
02:36:10	132.81	2854.02
02:36:20	132.81	2895.13
02:36:30	132.81	2937.43
02:36:40	132.81	2981.18
02:36:50	132.66	3026.33
02:37:00	132.81	3073.08
02:37:10	132.66	3121.76
02:37:20	132.81	3173.74
02:37:30	132.81	3227.69
02:37:40	132.81	3283.30
02:37:50	132.81	3341.95
02:38:00	132.81	3402.37
02:38:10	132.81	3464.53
02:38:20	132.96	3520.95
02:38:30	132.81	3580.55
02:38:40	132.96	3643.46
02:38:50	132.96	3646.95
02:39:00	132.96	3455.65
02:39:10	132.81	3364.50
02:39:20	132.96	3339.79
02:39:30	132.81	3349.83
02:39:40	132.81	3386.07
02:39:50	132.96	3408.08
02:40:00	132.81	3405.87
02:40:10	132.96	3399.28
02:40:20	132.81	3394.32
02:40:30	132.96	3392.35
02:40:40	132.96	3391.38
02:40:50	133.11	3389.21
02:41:10	133.11	3383.12
02:41:20	132.96	3380.73
02:41:30	133.11	3378.79
02:41:40	133.11	3377.16
02:42:00	133.11	3372.98
02:42:10	132.96	3371.29
02:42:50	132.96	3361.50
02:43:10	132.96	3358.65
02:43:20	132.81	3357.25
02:43:30	132.81	3356.26
02:43:40	132.96	3355.65

06-NOV-84	SDT degF	SDP psia
02:43:50	132.81	3354.52
02:44:00	132.81	3352.27
02:44:10	132.81	3312.38
02:44:20	132.81	3244.26
02:44:30	132.66	3202.43
02:44:40	132.51	3171.91
02:44:50	132.66	3148.55
02:45:00	132.66	3129.78
02:45:10	132.51	3114.14
02:45:20	132.51	3100.78
02:45:30	132.51	3089.09
02:45:40	132.37	3078.66
02:45:50	132.22	3069.27
02:46:00	132.22	3060.62
02:46:10	132.07	3052.99
02:46:20	132.07	3045.71
02:46:30	131.92	3038.98
02:46:40	131.92	3032.74
02:46:50	132.07	3026.92
02:47:10	131.92	3016.20
02:47:30	131.77	3006.64
02:47:40	131.62	3002.23
02:47:50	131.62	2998.96
02:48:10	131.47	2990.96
02:48:30	131.32	2983.44
02:48:50	131.32	2976.62
02:49:10	131.17	2970.30
02:49:30	131.02	2964.50
02:49:50	130.87	2959.03
02:50:30	130.72	2949.06
02:51:10	130.57	2940.35
02:51:50	130.42	2932.49
02:52:30	130.12	2925.33
02:53:10	129.97	2919.03
02:53:50	129.82	2913.22
02:54:30	129.67	2907.94
02:55:10	129.53	2903.14
02:55:50	129.38	2898.73
02:56:30	129.23	2894.67
02:57:50	129.23	2887.54
02:59:10	129.08	2881.56
03:00:30	128.78	2876.41
03:01:50	128.63	2872.19
03:03:10	128.63	2868.66
03:04:30	128.63	2865.86
03:04:40	128.63	2865.37
03:04:50	128.63	2863.02
03:05:00	128.63	2822.19
03:05:10	128.48	2689.89
03:05:20	128.63	2528.28
03:05:30	128.48	2471.72
03:05:40	128.63	2476.60
03:05:50	128.63	2450.98
03:06:00	128.63	2456.32
03:06:20	128.48	2457.20
03:06:40	128.48	2459.93
03:06:50	128.48	2461.09
03:08:10	128.48	2472.46
03:08:20	128.63	2475.29
03:08:30	128.48	2497.00
03:08:40	128.63	2529.14
03:08:50	128.63	2560.27

06-NOV-84	SDT degF	SDP psia
03:09:00	128.63	2592.10
03:09:10	128.63	2624.64
03:09:20	128.48	2657.96
03:09:30	128.48	2693.83
03:09:40	128.48	2731.05
03:09:50	128.48	2768.66
03:10:00	128.48	2807.89
03:10:10	128.48	2847.91
03:10:20	128.33	2889.00
03:10:30	128.48	2931.51
03:10:40	128.48	2975.38
03:10:50	128.48	3020.89
03:11:00	128.48	3067.62
03:11:10	128.48	3116.17
03:11:20	128.48	3167.19
03:11:30	128.48	3220.01
03:11:40	128.63	3275.35
03:11:50	128.48	3330.98
03:12:00	128.48	3387.31
03:12:10	128.48	3439.80
03:12:20	128.48	3473.88
03:12:30	128.48	3478.08
03:12:40	128.48	3465.80
03:12:50	128.48	3451.23
03:13:00	128.48	3437.39
03:13:10	128.63	3419.08
03:13:20	128.48	3401.32
03:13:30	128.48	3394.24
03:13:40	128.48	3385.32
03:13:50	128.63	3356.39
03:14:00	128.48	3339.04
03:14:10	128.63	3332.62
03:14:20	128.63	3329.90
03:14:30	128.63	3328.20
03:14:40	128.63	3327.22
03:14:50	128.63	3325.91
03:15:10	128.48	3320.80
03:15:20	128.48	3319.28
03:15:30	128.63	3318.75
03:15:50	128.48	3318.36
03:16:10	128.63	3317.65
03:16:20	128.48	3316.86
03:16:40	128.63	3316.60
03:17:00	128.48	3316.81
03:17:20	128.48	3317.58
03:18:00	128.33	3319.52
03:18:10	128.48	3266.89
03:18:20	128.33	3223.11
03:18:30	128.33	3190.10
03:18:40	128.33	3163.59
03:18:50	128.33	3142.57
03:19:00	128.33	3125.72
03:19:10	128.33	3111.72
03:19:20	128.18	3099.72
03:19:30	128.18	3089.25
03:19:40	128.03	3079.92
03:19:50	128.18	3071.60
03:20:00	128.03	3063.93
03:20:10	128.03	3056.94
03:20:20	128.03	3050.37
03:20:30	128.03	3044.40
03:20:40	128.03	3038.73

06-NOV-84	SDT degF	SDP psia
03:21:00	127.88	3028.50
03:21:20	127.73	3019.32
03:21:40	127.73	3010.93
03:22:00	127.58	3003.27
03:22:20	127.58	2996.14
03:22:40	127.58	2989.56
03:23:20	127.43	2977.56
03:24:00	127.28	2966.95
03:24:40	127.13	2957.35
03:25:20	127.13	2948.83
03:26:00	126.83	2941.16
03:26:40	126.83	2934.29
03:27:20	126.98	2927.99
03:28:00	126.68	2922.09
03:28:40	126.68	2916.69
03:29:20	126.53	2911.67
03:30:00	126.53	2907.00
03:30:40	126.53	2902.67
03:31:20	126.53	2898.67
03:32:40	126.53	2891.58
03:34:00	126.53	2885.31
03:35:20	126.38	2880.00
03:36:40	126.53	2875.48
03:37:20	126.53	2873.49
03:37:40	126.53	2872.55
03:37:50	126.38	2872.02
03:38:00	126.53	2871.05
03:38:10	126.53	2870.44
03:38:20	126.38	2843.69
03:38:30	126.53	2751.28
03:38:40	126.53	2629.63
03:38:50	126.53	2515.09
03:39:00	126.38	2472.41
03:39:10	126.53	2464.11
03:39:20	126.53	2469.87
03:39:30	126.38	2470.49
03:39:40	126.53	2473.29
03:40:00	126.38	2477.23
03:40:10	126.53	2480.98
03:40:20	126.53	2506.00
03:40:30	126.53	2537.37
03:40:40	126.53	2569.74
03:40:50	126.53	2603.21
03:41:00	126.53	2637.65
03:41:10	126.53	2672.86
03:41:20	126.53	2709.02
03:41:30	126.53	2746.12
03:41:40	126.53	2784.24
03:41:50	126.53	2824.10
03:42:00	126.53	2864.75
03:42:10	126.53	2907.52
03:42:20	126.53	2951.10
03:42:30	126.53	2995.60
03:42:40	126.53	3040.93
03:42:50	126.53	3088.96
03:43:00	126.68	3139.13
03:43:10	126.68	3190.46
03:43:20	126.68	3242.59
03:43:30	126.53	3295.09
03:43:40	126.53	3345.71
03:43:50	126.53	3391.75
03:44:00	126.53	3423.28

06-NOV-84	SDT degF	SDP psia
03:44:10	126.53	3442.53
03:44:20	126.53	3449.60
03:44:30	126.53	3447.54
03:44:40	126.68	3440.36
03:44:50	126.68	3433.67
03:45:00	126.68	3441.12
03:45:10	126.68	3442.58
03:45:20	126.68	3426.64
03:45:30	126.53	3382.18
03:45:40	126.68	3348.51
03:45:50	126.68	3335.67
03:46:00	126.68	3329.74
03:46:10	126.68	3325.70
03:46:30	126.83	3319.56
03:46:40	126.68	3316.89
03:47:00	126.68	3314.72
03:47:10	126.83	3314.39
03:47:30	126.68	3315.33
03:47:40	126.68	3315.90
03:48:20	126.83	3316.18
03:49:00	126.68	3317.97
03:49:40	126.68	3319.30
03:50:00	126.83	3320.05
03:50:10	126.83	3270.19
03:50:20	126.68	3232.15
03:50:30	126.68	3201.76
03:50:40	126.68	3176.95
03:50:50	126.68	3157.37
03:51:00	126.68	3141.36
03:51:10	126.68	3128.32
03:51:20	126.68	3116.88
03:51:30	126.68	3107.13
03:51:40	126.68	3098.14
03:51:50	126.53	3090.03
03:52:00	126.68	3082.69
03:52:10	126.53	3075.83
03:52:20	126.53	3069.49
03:52:30	126.53	3063.67
03:52:50	126.53	3053.02
03:53:00	126.38	3048.04
03:53:20	126.38	3039.01
03:53:40	126.38	3030.79
03:54:00	126.23	3023.22
03:54:20	126.23	3016.21
03:54:30	126.38	3012.85
03:54:50	126.23	3006.60
03:55:10	126.23	3000.70
03:55:50	126.08	2990.08
03:56:30	126.08	2980.67
03:56:50	126.08	2976.39
03:57:30	126.08	2968.75
03:58:10	125.94	2961.73
03:58:50	125.94	2955.36
03:59:30	125.79	2949.47
04:00:50	125.79	2938.83
04:01:30	125.64	2933.96
04:02:50	125.64	2925.38
04:04:10	125.64	2917.95
04:05:30	125.64	2911.55
04:06:10	125.64	2908.57
04:07:30	125.64	2903.34
04:08:50	125.64	2898.98

	SDT	SDP
06-NOV-84	degF	psia
04:10:10	125.64	2895.30
04:10:30	125.49	2894.47
04:10:50	125.64	2893.34
	4	2880.38
	4	2845.59
	4	2793.93
	4	2715.79
04:11:40	125.64	2588.18
04:11:50	125.64	2490.09
04:12:00	125.79	2467.35
04:12:10	125.64	2470.00
04:12:20	125.64	2466.42
04:12:30	125.64	2466.40
		2465.11
		2464.38
		2464.78
		2465.90
		2467.48
04:14:50	125.79	2469.58
04:15:30	125.64	2474.65
04:15:50	125.64	2477.65
04:17:10	125.79	2491.33
04:18:30	125.79	2504.26
04:19:50	125.79	2516.11
04:21:10	125.79	2527.59
04:21:50	125.79	2533.24
04:22:10	125.94	2536.12
04:22:20	125.94	2537.52
04:22:30	125.94	2527.59
04:22:40	125.79	2513.66
04:22:50	125.94	2504.05
04:23:00	125.94	2506.67
04:23:20	125.79	2510.83
04:24:00	125.94	2517.93
04:24:40	125.94	2524.56
04:26:00	126.08	2537.05
04:27:20	126.08	2549.08
04:28:00	126.08	2554.99
04:28:10	126.08	2556.46
04:28:20	126.08	2531.00
04:28:30	126.08	2535.07
04:28:40	126.08	2538.66
04:28:50	126.23	2541.02
04:30:10	126.23	2554.02
04:31:30	126.23	2566.67
04:32:10	126.38	2572.55
04:33:30	126.23	2584.88
04:34:10	126.38	2591.06
04:34:50	126.23	2596.68
04:35:30	126.23	2603.18
04:35:50	126.38	2606.34
04:36:00	126.38	2607.92
04:36:10	126.38	2610.04
04:36:50	126.38	2616.75
04:37:30	126.38	2622.98
04:37:50	126.38	2625.98
04:38:00	126.38	2627.28
04:38:10	126.38	2629.22
04:38:20	126.53	2630.43
04:38:30	126.38	2632.26
04:38:50	126.53	2635.28
04:39:00	126.38	2636.88

06-NOV-84	SDT degF	SDP psia
04:39:10	126.53	2638.86
04:39:20	126.38	2640.20
04:39:30	126.53	2642.15
04:39:50	126.53	2644.74
04:40:00	126.53	2646.90
04:40:20	126.53	2649.83
04:40:30	126.53	2651.02
04:40:40	126.53	2652.78
04:40:50	126.53	2655.15
04:41:00	126.68	2655.91
04:41:10	126.68	2657.83
04:41:20	126.53	2659.28
04:41:30	126.53	2661.46
04:41:50	126.68	2665.02
04:42:10	126.68	2667.89
04:42:50	126.68	2674.13
04:43:00	126.68	2675.10
04:43:10	126.68	2671.63
04:43:20	126.68	2674.39
04:43:30	126.68	2676.49
04:43:40	126.68	2677.32
04:43:50	126.68	2676.30
04:44:00	126.68	2679.08
04:44:10	126.68	2680.62
04:44:20	126.68	2680.86
04:44:30	126.68	2680.31
04:44:40	126.68	2682.16
04:44:50	126.68	2682.52
04:45:00	LATCH ON GAUGES.	
04:45:00	126.83	2631.06
04:45:10	126.68	2603.19
04:45:20	126.68	2586.40
04:45:30	126.68	2580.32
04:45:40	126.68	2569.34
04:45:50	126.83	2567.52
04:46:00	P.O.O.H.	
04:46:10	126.83	2552.83
04:46:20	126.68	2547.61
04:46:30	126.83	2518.37
04:46:40	126.83	2462.45
04:46:50	126.83	2438.57
04:47:00	GRADIENT STOP @ 1505.3mRKB.	
04:47:00	126.83	2448.26
04:47:20	126.83	2452.22
04:47:30	126.83	2454.55
04:47:50	126.83	2458.51
04:48:00	126.83	2460.46
04:48:10	126.68	2461.93
04:48:20	126.68	2434.15
04:48:30	126.68	2447.63
04:48:40	126.83	2447.80
04:49:00	126.68	2451.81
04:50:20	126.68	2465.58
04:51:00	126.53	2472.25
04:51:10	126.53	2473.88
04:51:20	126.53	2475.10
04:51:30	126.53	2470.15
04:51:40	126.53	2451.33
04:51:50	126.53	2437.52
04:52:00	P.O.O.H.	
04:52:00	126.38	2431.09
04:52:10	126.38	2424.21

06-NOV-84	SDT degF	SDP psia
04:52:20	126.38	2416.18
04:52:30	126.38	2406.19
04:52:50	126.38	2386.91
04:53:00	GRADIENT STOP @ 1455.3mRKB.	
04:53:00	126.23	2377.09
04:53:10	126.23	2374.59
04:55:50	125.49	2399.34
04:57:10	125.34	2411.32
04:57:30	125.19	2414.26
04:57:40	125.19	2415.71
04:57:50	125.04	2411.35
04:58:00	P.O.O.H.	
04:58:00	125.04	2401.85
04:58:10	125.04	2391.09
04:58:20	124.89	2380.75
04:58:40	124.74	2361.70
04:58:50	124.74	2351.94
04:59:00	GRADIENT STOP @ 1405.3mRKB.	
04:59:00	124.74	2343.81
04:59:10	124.74	2345.10
04:59:20	124.59	2295.76
04:59:30	124.44	2295.66
04:59:40	124.44	2294.58
04:59:50	124.29	2298.02
05:00:00	124.29	2298.90
05:00:20	124.14	2302.05
05:01:40	123.69	2313.20
05:03:00	123.09	2324.03
05:03:40	123.09	2329.50
05:03:50	122.94	2329.46
05:04:00	P.O.O.H.	
05:04:00	122.79	2327.88
05:04:10	122.79	2322.78
05:04:20	122.64	2319.52
05:04:30	122.64	2313.71
05:04:40	122.64	2304.93
05:05:00	122.49	2288.61
05:05:10	122.34	2279.03
05:05:20	122.34	2268.45
05:05:30	122.34	2256.21
05:05:50	121.89	2233.73
05:06:10	121.74	2210.31
05:06:20	121.59	2199.12
05:06:30	121.44	2188.45
05:06:50	121.15	2167.86
05:07:30	120.55	2125.57
05:07:40	120.10	2114.17
05:08:20	119.35	2072.07
05:08:40	118.90	2050.44
05:08:50	118.75	2039.62
05:09:10	118.15	2017.01
05:09:50	117.10	1973.22
05:10:10	116.50	1951.76
05:10:20	116.20	1941.13
05:10:30	115.90	1929.91
05:10:50	115.15	1908.34
05:11:10	114.55	1885.70
05:11:50	113.05	1841.67
05:12:10	112.30	1819.95
05:12:30	111.55	1796.83
05:12:50	110.80	1774.04
05:13:10	109.90	1751.88

06-NOV-84	SDT degF	SDP psia
05:13:20	109.45	1740.44
05:13:40	108.55	1719.01
05:14:00	107.65	1696.78
05:14:10	107.20	1685.40
05:14:20	106.90	1674.79
05:14:30	106.30	1665.05
05:14:50	105.40	1646.95
05:15:10	104.35	1628.38
05:15:20	103.89	1619.56
05:15:30	103.29	1610.00
05:15:40	102.84	1599.76
05:15:50	102.54	1590.45
05:16:10	101.49	1570.65
05:16:30	100.44	1551.86
05:17:10	98.33	1513.30
05:17:30	97.43	1492.59
05:17:50	96.38	1470.57
05:18:00	95.77	1458.97
05:18:20	94.87	1438.14
05:18:40	93.82	1418.10
05:18:50	93.22	1408.10
05:19:30	91.11	1366.26
05:19:50	90.05	1344.81
05:20:00	89.60	1333.56
05:20:10	89.00	1322.66
05:20:20	88.55	1312.11
05:21:00	86.44	1267.25
05:21:20	85.23	1243.76
05:21:30	84.78	1232.02
05:21:50	83.72	1209.66
05:22:10	82.67	1186.66
05:22:30	81.61	1163.98
05:22:40	81.01	1152.50
05:23:00	79.95	1128.76
05:23:20	78.89	1105.39
05:23:40	77.84	1082.98
05:23:50	77.38	1072.86
05:24:10	76.33	1054.10
05:24:30	75.27	1034.02
05:24:50	74.21	1013.44
05:25:10	73.15	991.99
05:25:30	72.10	969.64
05:25:40	71.64	958.50
05:25:50	71.19	948.38
05:26:10	70.13	929.16
05:26:20	69.53	919.47
05:26:30	69.07	909.46
05:27:10	66.80	868.25
05:27:20	66.20	856.95
05:27:30	65.74	843.95
05:27:40	65.29	832.14
05:27:50	64.68	821.16
05:28:00	64.08	809.61
05:28:10	63.62	797.35
05:28:20	63.17	784.79
05:28:40	62.11	761.77
05:29:00	61.35	738.12
05:29:40	59.69	691.82
05:29:50	59.23	680.24
05:30:10	58.47	656.51
05:30:30	57.72	633.43
05:30:40	57.56	621.37

06-NOV-84	SDT degF	SDP psia
05:30:50	57.26	609.69
05:31:10	56.50	587.00
05:31:30	56.05	563.83
05:31:40	55.59	552.18
05:31:50	55.44	540.04
05:32:10	54.84	517.33
05:32:20	54.68	506.05
05:32:40	54.23	484.93
05:33:00	53.77	462.84
05:33:10	53.47	451.40
05:33:30	53.17	429.57
05:33:40	53.17	418.60
05:34:00	52.71	396.08
05:34:10	52.41	385.07
05:34:20	52.41	376.11
05:34:30	52.11	372.73
05:35:10	51.50	377.41
05:36:30	50.44	384.90
05:37:00	TOOLS IN LUB. CLOSE LUB. VALVE.	
05:37:10	49.83	388.49
05:37:30	49.68	390.35
05:37:40	49.53	391.29
05:37:50	49.53	391.92
05:38:00	BLEED OFF PRESSURE.	
05:38:00	49.37	391.88
05:38:10	49.22	391.03
05:38:20	49.22	388.30
05:38:30	49.07	383.96
05:38:50	48.92	370.89
05:39:00	48.92	364.90
05:39:20	48.77	353.42
05:39:30	48.62	345.50
05:39:40	48.62	336.53
05:39:50	48.62	324.97
05:40:00	48.31	315.52
05:40:10	48.31	305.59
05:40:20	48.31	297.44
05:40:40	48.31	291.54
05:40:50	48.01	288.44
05:41:00	48.16	285.02
05:41:10	48.01	280.44
05:41:30	48.01	270.37
05:41:40	47.86	263.94
05:41:50	47.70	251.54
05:42:00	47.70	243.67
05:42:20	47.55	230.30
05:42:30	47.55	223.85
05:42:40	47.40	205.92
05:42:50	47.40	119.94
05:43:00	47.25	87.11
05:43:10	47.25	80.02
05:43:30	47.10	71.11
05:43:40	47.10	67.19
05:44:00	46.94	60.63
05:44:20	46.79	55.52
05:44:30	46.79	52.46
05:44:50	46.64	47.41
05:45:10	46.49	41.82
05:45:30	46.49	35.72
05:45:40	46.34	32.53
05:46:00	46.34	25.72
05:46:10	46.19	23.06

	SDT	SDP
06-NOV-84	degF	psia
05:46:20	46.19	21.12
05:46:40	46.03	18.10
05:47:00	45.88	16.31
05:47:20	45.88	15.17
05:47:30	45.73	14.48
05:47:50	45.73	12.45
05:48:10	45.58	11.48
05:49:00	LUB. DISCONNECTED.	
05:50:50	45.27	11.58
05:52:10	45.12	11.76
05:52:30	45.12	11.73
05:52:40	45.12	11.68
05:52:50	45.12	10.57
06:14:10	44.82	10.44
06:14:50	44.82	10.40
06:15:10	44.82	10.42
06:15:20	44.82	10.40
06:15:30	44.82	9.77
06:18:10	44.67	9.34
06:19:30	44.67	9.31
06:19:40	44.51	9.52
06:20:00	44.51	9.32
06:20:10	44.67	9.17
06:20:30	44.67	9.53
06:21:00	TOOLS OFF STRING.	
06:21:50	44.67	9.68
06:22:30	44.82	9.67
06:22:40	44.67	8.92
06:22:50	44.67	9.95
06:25:00	POWER OFF SDP# 84223.	

TECHNICAL DATA

GAUGE

Type : SDP/TPT
Transducer module : 84223
Recorder module : 84178

OPERATION SET UP

Delay time : 30 MIN
Scanning rate : 10 SEC
Averaging : 8
Relative values : USED
Compression algorithm : USED
Compression level : 8

CALIBRATION DATA CHECKS

Before job:

Ambiant pressure : 5 PSIA
Ambiant Temperature : 14 °C

After job:

Ambiant pressure : 9.4 PSIA
Ambiant temperature : 6.8 °C

Date last calibration : 05.09.84