

Reservoir Lima
Sta: Victor Paratza
06-006-2004

FLOWPETROL S.A.

BHP & FLOWING GRADIENT TEST

COMPANY : PETRO-TECH PERUANA S.A.

WELL : LO16-14

FIELD : LOBITOS OFFSHORE

DATE : JULY 30th, 2004

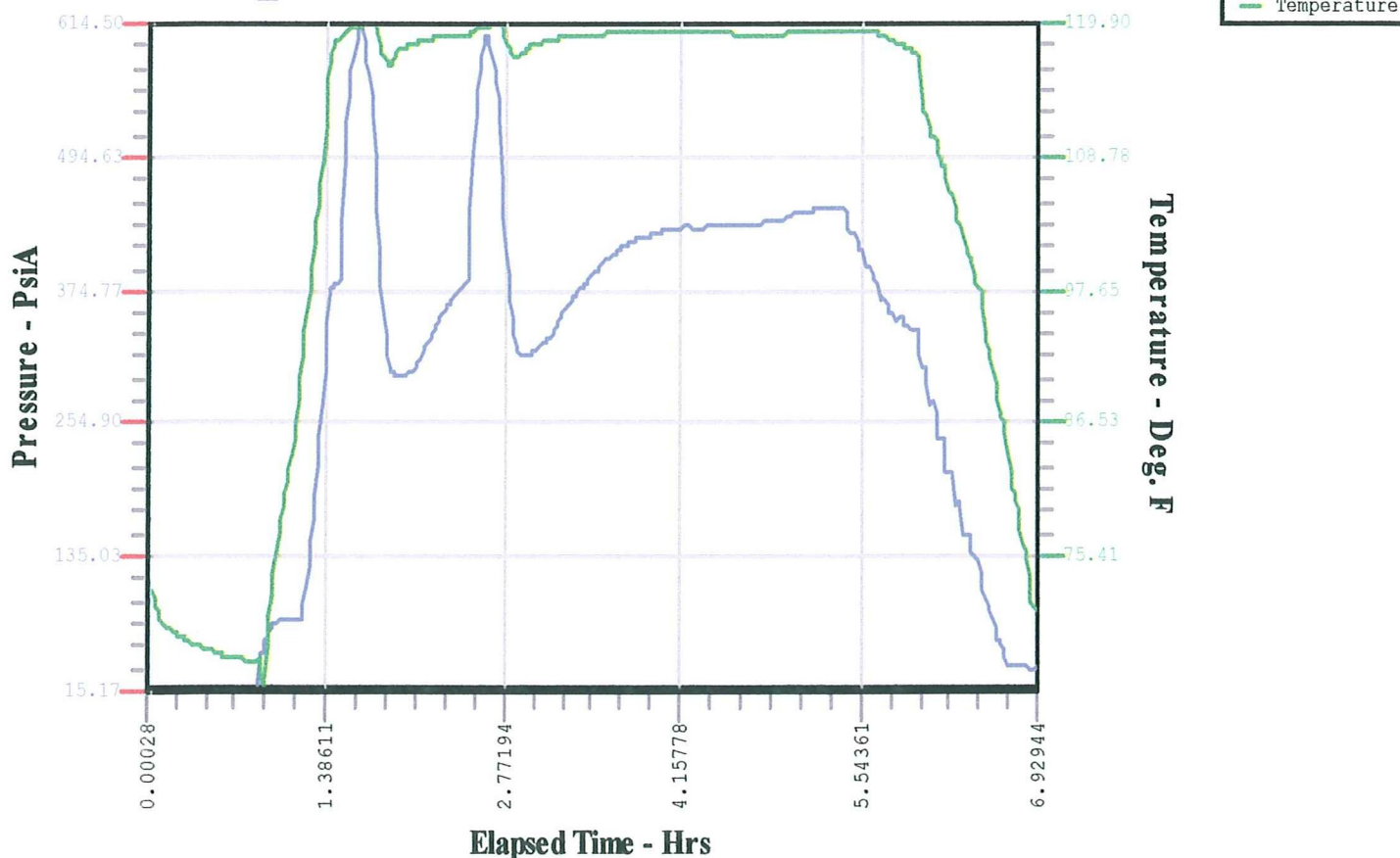
GEOSCIENCES
Central File
Jul 26-04
DATE

Well Test Data

Test name: GRALO16-14

Company: FLOWPETROL S.A
Client: PETRO-TECH PERUANA S.A
Gauge number: 91180
Well name: LO16-14
Well number: 14
Test number: 55
Field name: LOBITOS OFFSHORE
County: TALARA
State: PIURA
Date of test: JULY, 30th, 2003
Type of test: BHP& FLOWING GRADIENT TEST
Well status: PRODUCER
BHP on bottom: 317.01 PSIA
BHP off bottom: 447.07 PSIA
Bottom gauge number: 91180
Starting tubing pressure: 25 PSIG
Starting casing pressure: 580 PSIG
Ending tubing pressure: 25 PSIG
Ending casing pressure: 580 PSIG
Depth of tool: 9410'
Surface elevation: -
Tool zero point: 23'
Tubing size: 2 7/8"
Bottom hole temperature: 119.10 deg F.
:
:
Test operator: ENG. PILAR SALDARRIAGA
Comments:
:
:

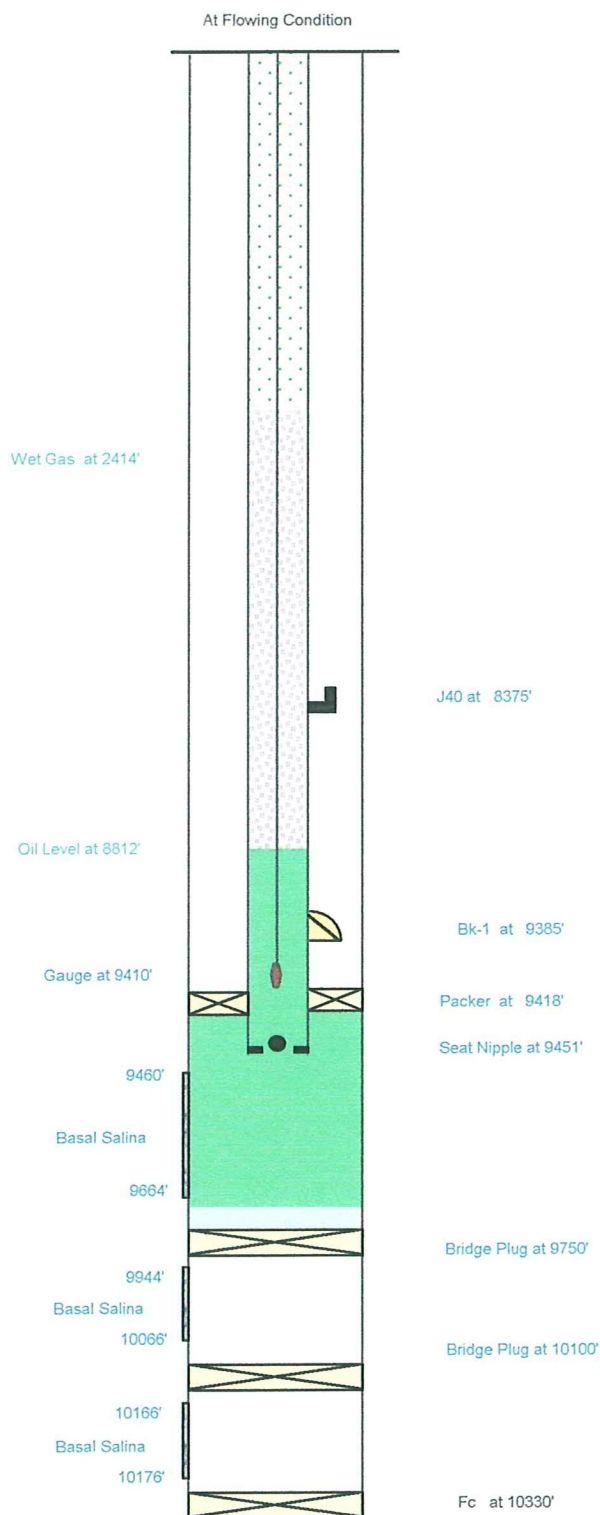
Temperature / Pressure Data



FLOWING GRADIENT TEST

Field : Lobitos Offshore
Well : LO16-14

Sand(s) : Basal Salina
Interval(s) : (9664'-9460')



Well Status : Producer
Installation : 2 7/8"
Production (MSCFD) : 64X07(June,2004)
Cumul. (STB) : 744048(June, 2004)

FIELD REPORT :

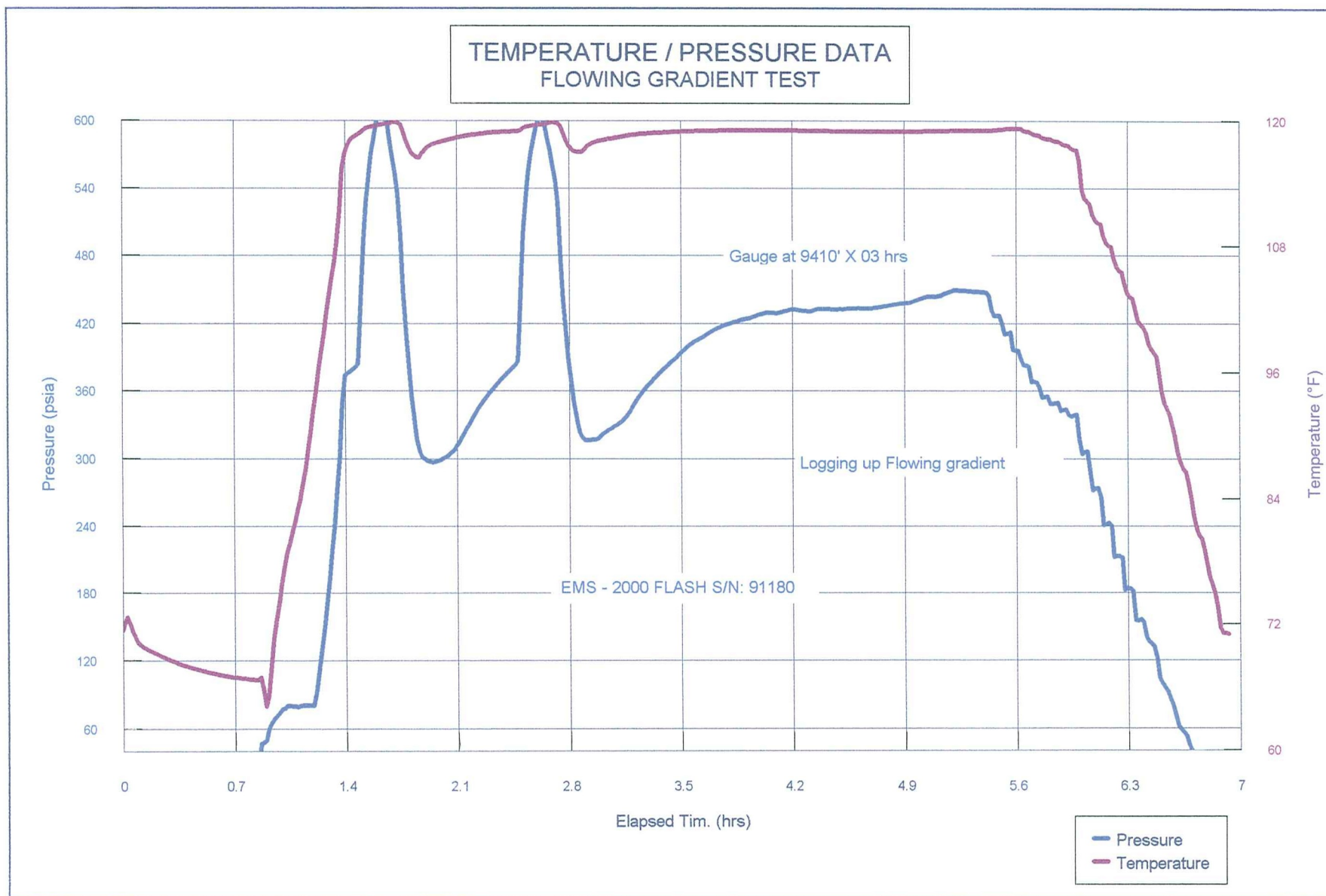
July 30th, 2004

08:00 Rig up
08:15 RIH Dead Weight at 9451'
08:27 Activate Memory gauge FPT 91180
09:12 RIH Gauge
09:51 Gauge at 9410'.
09:55 First Injecction
Press tubing = 72 PSIG
Press anulus = 600PSIG
10:55 Second Injecction
Press tubing = 72 PSIG
Press anulus = 600PSIG
11:04 Shut in gas Injecction
Press tubing = 25 PSIG
Press anulus = 580 PSIG
12:04 Press tubing = 25 PSIG
Press anulus = 580 PSIG
13:00 Press tubing = 25 PSIG
Press anulus = 580 PSIG
13:53 POOH Gauge with steps at follows:
9410' - 9300' - 9200' - 9100' - 9000-8900'
8800-8700'-8600' -8500- 8000' - 7500' -7000'
6500' - 6000'-5500'-5000'- 4000' -3000'-2000'
1000'-0'
15:18 Gauge on surface
15:23 Rig Down.

Handwritten notes:
- KP RECOMMEND SV
V /

Field Operator : Jorge Sanjinez

Field Supervisor : Pilar Saldarriaga



Summary of Results Well: LO16-14

Date of Test	July 30th, 2004	
Formation	Basal Salina	(9664' - 9460')
Depth of gauges	9,410	M.D. ft
	7,480	V.D. ft
03 Hrs. at Flowing Condition		
Flowing Pressure at 9410' MD	447.07	psia (Memory)
Flowing Temperature at 9410' MD	119.10	°F
Flowing Gradient at 9410' MD	0.0598	psi/ft
Oil level	8812	ft. MD
	7011	ft. VD
Oil Gradient	0.1867	psi/ft
Wet Gas Level	2414	ft. MD
	2170	ft. VD
Wet Gas Gradient	0.0426	
Dry Gas Gradient	0.0024	psi/ft

Set and Security:

Personal Elements of Security: Complete.

I was made cleaning in Location

Remark:

Injection Cycle 60' x 6'15"
 System Pressure 950 psig
 Separator Pressure 25 psig

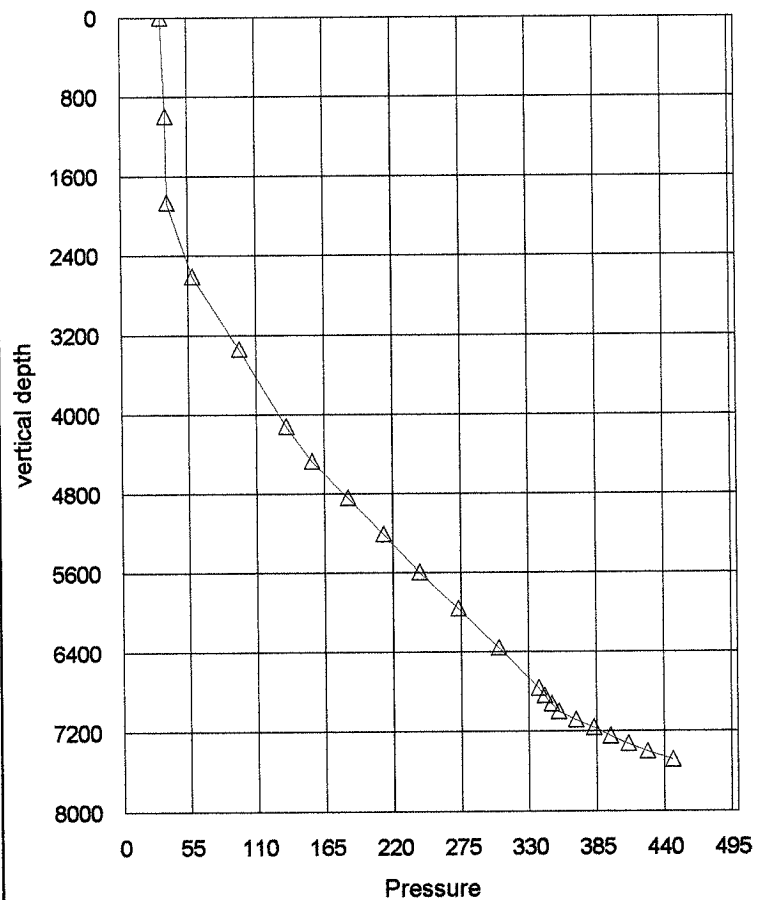
Fluid Level at Flowing Condition (while POOH gauges)

Measured depth (ft)	Vertical depth (ft)	Pressure (psia)	Gradient (psi/ft)
0	0.00	33.57	
1000	995.82	37.30	0.0037
2000	1862.94	38.03	0.0008
3000	2604.52	58.63	0.0278
4000	3338.03	96.28	0.0513
5000	4116.05	134.33	0.0489
5500	4472.84	155.14	0.0583
6000	4842.24	184.29	0.0789
6500	5210.66	212.81	0.0774
7000	5596.44	241.71	0.0749
7500	5961.86	273.35	0.0866
8000	6354.94	306.02	0.0831
8500	6757.53	338.24	0.0800
8600	6838.77	342.95	0.0580
8700	6919.92	348.55	0.0690
8800	7001.08	354.41	0.0722
8900	7081.69	368.05	0.1692
9000	7161.47	382.80	0.1849
9100	7240.28	396.13	0.1691
9200	7318.02	410.93	0.1904
9300	7395.09	426.57	0.2029
9410	7479.55	447.07	0.2427

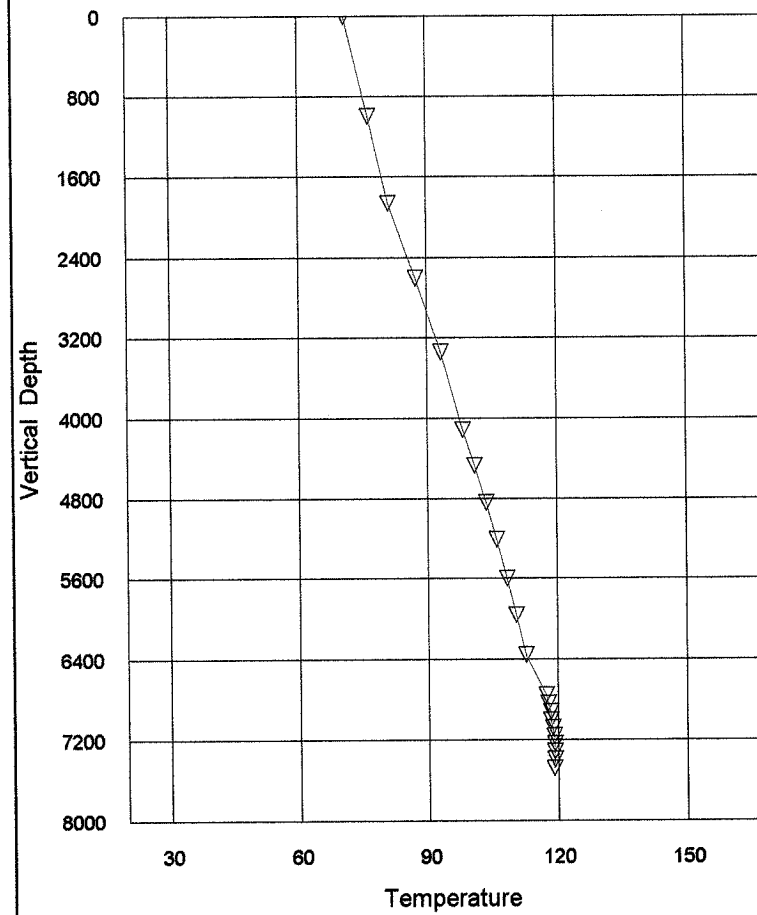
Levels & Gradients

	Flowing levels		Gradient (psi/ft)
	Measured (ft)	Vertical (ft)	
Dry Gas =	0	0	0.0024
Wet Gas =	2414	2170	0.0426
Oil=	8812	7011	0.1867
Gauges =	9410	7480	0.0598

Flowing Gradient LO16-14 Well



Flowing Gradient LO16-14 Well



Well LO16-14: Development Test

Date	Time	Elapsed Time (hrs)	Pressure (psia)	Temperature (°F)	Date	Time	Elapsed Time (hrs)	Pressure (psia)	Temperature (°F)
Activate Gauge s/n: 91176					30/07/2004	08:25:03	0.96278	71.47	72.50
30/07/2004	08:27:18	0.00028	15.93	71.47	30/07/2004	09:26:03	0.97944	74.22	74.15
30/07/2004	08:27:19	0.00056	16.09	71.51	30/07/2004	09:27:03	0.99611	77.11	75.94
30/07/2004	08:27:20	0.00083	15.87	72.09	30/07/2004	09:28:03	1.01278	78.26	77.51
30/07/2004	08:27:21	0.00111	16.06	71.91	30/07/2004	09:29:03	1.02944	80.15	78.79
30/07/2004	08:27:22	0.00139	15.88	71.80	30/07/2004	09:30:03	1.04611	80.29	79.78
30/07/2004	08:27:23	0.00167	16.01	71.73	30/07/2004	09:31:03	1.06278	79.73	80.76
30/07/2004	08:27:24	0.00194	15.90	71.69	30/07/2004	09:32:03	1.07944	79.71	81.79
30/07/2004	08:27:25	0.00222	15.95	71.67	30/07/2004	09:33:03	1.09611	79.64	82.85
30/07/2004	08:27:26	0.00250	16.03	71.65	30/07/2004	09:34:03	1.11278	80.20	84.02
30/07/2004	08:27:27	0.00278	15.90	71.66	30/07/2004	09:35:03	1.12944	80.66	85.32
30/07/2004	08:27:28	0.00306	15.87	71.66	30/07/2004	09:36:03	1.14611	80.88	86.77
30/07/2004	08:27:29	0.00333	15.94	71.67	30/07/2004	09:37:03	1.16278	80.84	88.47
30/07/2004	08:27:30	0.00361	16.12	71.67	30/07/2004	09:38:03	1.17944	80.92	90.37
30/07/2004	08:27:31	0.00389	15.85	71.70	30/07/2004	09:39:03	1.19611	80.76	92.27
30/07/2004	08:27:32	0.00417	15.91	71.70	30/07/2004	09:40:03	1.21278	93.62	94.20
30/07/2004	08:27:33	0.00444	15.84	71.71	30/07/2004	09:41:03	1.22944	110.36	96.07
30/07/2004	08:27:34	0.00472	15.82	71.74	30/07/2004	09:42:03	1.24611	129.38	97.98
30/07/2004	08:27:35	0.00500	15.85	71.78	30/07/2004	09:43:03	1.26278	149.48	99.76
30/07/2004	08:27:36	0.00528	15.92	71.78	30/07/2004	09:44:03	1.27944	170.18	101.72
30/07/2004	08:27:37	0.00556	15.86	71.81	30/07/2004	09:45:03	1.29611	193.44	103.46
30/07/2004	08:27:38	0.00583	15.93	71.82	30/07/2004	09:46:03	1.31278	217.06	104.99
30/07/2004	08:27:39	0.00611	15.87	71.85	30/07/2004	09:47:03	1.32944	243.51	106.53
30/07/2004	08:27:40	0.00639	15.92	71.85	30/07/2004	09:48:03	1.34611	272.29	108.47
30/07/2004	08:27:41	0.00667	15.98	71.89	Gauges at 9410'				
30/07/2004	08:27:42	0.00694	15.92	71.90	30/07/2004	09:49:03	1.36278	303.94	111.44
30/07/2004	08:27:43	0.00722	15.86	71.92	30/07/2004	09:50:03	1.37944	348.38	115.44
30/07/2004	08:27:44	0.00750	15.89	71.93	30/07/2004	09:51:03	1.39611	373.90	116.90
30/07/2004	08:27:45	0.00778	15.82	71.96	30/07/2004	09:52:03	1.41278	375.64	117.60
30/07/2004	08:27:46	0.00806	15.92	71.97	30/07/2004	09:53:03	1.42944	377.31	118.13
30/07/2004	08:27:47	0.00833	15.97	71.98	30/07/2004	09:54:03	1.44611	379.03	118.39
30/07/2004	08:27:48	0.00861	15.81	72.01	First Injection				
30/07/2004	08:27:49	0.00889	15.78	72.01	30/07/2004	09:55:03	1.46278	380.96	118.58
30/07/2004	08:27:50	0.00917	15.99	72.03	30/07/2004	09:56:03	1.47944	383.92	118.69
30/07/2004	08:27:51	0.00944	15.84	72.03	30/07/2004	09:57:03	1.49611	440.74	118.86
30/07/2004	08:27:52	0.00972	15.88	72.04	30/07/2004	09:58:03	1.51278	493.16	119.12
30/07/2004	08:28:03	0.01278	15.77	72.08	30/07/2004	09:59:03	1.52944	526.20	119.28
30/07/2004	08:29:03	0.02944	15.68	72.68	30/07/2004	10:00:03	1.54611	552.03	119.38
30/07/2004	08:30:03	0.04611	15.62	72.06	30/07/2004	10:01:03	1.56278	571.35	119.43
30/07/2004	08:31:03	0.06278	15.60	71.35	30/07/2004	10:02:03	1.57944	585.87	119.48
30/07/2004	08:32:03	0.07944	15.53	70.78	30/07/2004	10:03:03	1.59611	598.66	119.54
30/07/2004	08:33:03	0.09611	15.56	70.31	30/07/2004	10:04:03	1.61278	609.53	119.60
30/07/2004	08:34:03	0.11278	15.53	70.03	30/07/2004	10:05:03	1.62944	614.50	119.65
30/07/2004	08:35:03	0.12944	15.48	69.84	30/07/2004	10:06:03	1.64611	611.46	119.70
30/07/2004	08:36:03	0.14611	15.47	69.70	30/07/2004	10:07:03	1.66278	599.60	119.74
30/07/2004	08:37:03	0.16278	15.45	69.55	30/07/2004	10:08:03	1.67944	581.32	119.76
30/07/2004	08:38:03	0.17944	15.44	69.43	30/07/2004	10:09:03	1.69611	567.63	119.89
30/07/2004	08:39:03	0.19611	15.44	69.31	30/07/2004	10:10:03	1.71278	551.87	119.90
30/07/2004	08:40:03	0.21278	15.46	69.19	30/07/2004	10:11:03	1.72944	534.66	119.84
30/07/2004	08:41:03	0.22944	15.41	69.07	30/07/2004	10:12:03	1.74611	497.61	119.66
30/07/2004	08:42:03	0.24611	15.42	68.95	30/07/2004	10:13:03	1.76278	449.86	119.03
30/07/2004	08:43:03	0.26278	15.40	68.83	30/07/2004	10:14:03	1.77944	413.08	118.21
30/07/2004	08:44:03	0.27944	15.41	68.72	30/07/2004	10:15:03	1.79611	382.13	117.50
30/07/2004	08:45:03	0.29611	15.36	68.61	30/07/2004	10:16:03	1.81278	356.73	117.00
30/07/2004	08:46:03	0.31278	15.36	68.50	30/07/2004	10:17:03	1.82944	335.61	116.71
30/07/2004	08:47:03	0.32944	15.33	68.41	30/07/2004	10:18:03	1.84611	317.82	116.57
30/07/2004	08:48:03	0.34611	15.36	68.31	30/07/2004	10:19:03	1.86278	306.63	116.50
30/07/2004	08:49:03	0.36278	15.33	68.22	30/07/2004	10:20:03	1.87944	301.60	116.85
30/07/2004	08:50:03	0.37944	15.33	68.13	30/07/2004	10:21:03	1.89611	299.78	117.21
30/07/2004	08:51:03	0.39611	15.30	68.05	30/07/2004	10:22:03	1.91278	298.40	117.48
30/07/2004	08:52:03	0.41278	15.31	67.97	30/07/2004	10:23:03	1.92944	297.50	117.66
30/07/2004	08:53:03	0.42944	15.28	67.89	30/07/2004	10:24:03	1.94611	297.03	117.78
30/07/2004	08:54:03	0.44611	15.27	67.82	30/07/2004	10:25:03	1.96278	297.36	117.88
30/07/2004	08:55:03	0.46278	15.30	67.75	30/07/2004	10:26:03	1.97944	298.07	117.96
30/07/2004	08:56:03	0.47944	15.31	67.68	30/07/2004	10:27:03	1.99611	299.00	118.03
30/07/2004	08:57:03	0.49611	15.31	67.61	30/07/2004	10:28:03	2.01278	300.17	118.09
30/07/2004	08:58:03	0.51278	15.29	67.55	30/07/2004	10:29:03	2.02944	301.83	118.16
30/07/2004	08:59:03	0.52944	15.27	67.49	30/07/2004	10:30:03	2.04611	303.40	118.22
30/07/2004	09:00:03	0.54611	15.24	67.43	30/07/2004	10:31:03	2.06278	305.43	118.28
30/07/2004	09:01:03	0.56278	15.25	67.37	30/07/2004	10:32:03	2.07944	307.83	118.34
30/07/2004	09:02:03	0.57944	15.22	67.32	30/07/2004	10:33:03	2.09611	311.27	118.41
30/07/2004	09:03:03	0.59611	15.27	67.26	30/07/2004	10:34:03	2.11278	314.71	118.46
30/07/2004	09:04:03	0.61278	15.22	67.21	30/07/2004	10:35:03	2.12944	319.13	118.51
30/07/2004	09:05:03	0.62944	15.23	67.16	30/07/2004	10:36:03	2.14611	323.51	118.55
30/07/2004	09:06:03	0.64611	15.24	67.12	30/07/2004	10:37:03	2.16278	327.57	118.59
30/07/2004	09:07:03	0.66278	15.23	67.07	30/07/2004	10:38:03	2.17944	331.43	118.64
30/07/2004	09:08:03	0.67944	15.21	67.03	30/07/2004	10:39:03	2.19611	335.60	118.68
30/07/2004	09:09:03	0.69611	15.19	66.99	30/07/2004	10:40:03	2.21278	340.13	118.72
30/07/2004	09:10:03	0.71278	15.21	66.95	30/07/2004	10:41:03	2.22944	343.71	118.76
30/07/2004	09:11:03	0.72944	15.23	66.92	30/07/2004	10:42:03	2.24611	347.64	118.79
30/07/2004	09:12:03	0.74611	15.22	66.89	30/07/2004	10:43:03	2.26278	350.91	118.81
30/07/2004	09:13:03	0.76278	15.17	66.86	30/07/2004	10:44:03	2.27944	354.13	118.84
30/07/2004	09:14:03	0.77944	15.22	66.83	30/07/2004	10:45:03	2.29611	357.11	118.87
RIH Gauges					30/07/2004	10:46:03	2.31278	360.18	118.89
30/07/2004	09:15:03	0.79611	15.20	66.80	30/07/2004	10:47:03	2.32944	363.02	118.91
30/07/2004	09:16:03	0.81278	15.23	66.77	30/07/2004	10:48:03	2.34611	365.68	118.92
30/07/2004	09:17:03	0.82944	15.22	66.75	30/07/2004	10:49:03	2.36278	368.49	118.94
30/07/2004	09:18:03	0.84611	15.17	66.73	30/07/2004	10:50:03	2.37944	370.91	118.96
30/07/2004	09:19:03	0.86278	47.14	66.97	30/07/2004	10:51:03	2.39611	373.44	118.97
30/07/2004	09:20:03	0.87944	47.91	65.86	30/07/2004	10:52:03	2.41278	375.77	118.98
30/07/2004	09:21:03	0.89611	49.95	64.29	30/07/2004	10:53:03	2.42944	378.09	118.99
30/07/2004	09:22:03	0.91278	59.69	65.24	30/07/2004	10:54:03	2.44611	380.21	119.00
30/07/2004	09:23:03	0.92944	64.99	68.13	Second Injection				
30/07/2004	09:24:03	0.94611	68.31	70.63	30/07/2004	10:55:03	2.46278	382.59	119.01

Date	Time	Elapsed Time (hrs)	Pressure (psia)	Temperature (°F)	Date	Time	Elapsed Time (hrs)	Pressure (psia)	Temperature (°F)
30/07/2004	10:56:03	2.47944	386.38	119.02	30/07/2004	12:30:03	4.04611	429.37	119.10
30/07/2004	10:57:03	2.49611	445.98	119.10	30/07/2004	12:31:03	4.06278	429.25	119.10
30/07/2004	10:58:03	2.51278	498.58	119.31	30/07/2004	12:32:03	4.07944	429.04	119.10
30/07/2004	10:59:03	2.52944	530.11	119.41	30/07/2004	12:33:03	4.09611	428.93	119.09
30/07/2004	11:00:03	2.54611	554.07	119.47	30/07/2004	12:34:03	4.11278	429.31	119.09
30/07/2004	11:01:03	2.56278	572.29	119.51	30/07/2004	12:35:03	4.12944	429.75	119.09
30/07/2004	11:02:03	2.57944	585.65	119.56	30/07/2004	12:36:03	4.14611	430.50	119.09
30/07/2004	11:03:03	2.59611	596.23	119.60	30/07/2004	12:37:03	4.16278	431.04	119.09
Cut Injection					30/07/2004	12:38:03	4.17944	431.91	119.09
30/07/2004	11:04:03	2.61278	602.70	119.65	30/07/2004	12:39:03	4.19611	432.17	119.09
30/07/2004	11:05:03	2.62944	603.29	119.68	30/07/2004	12:40:03	4.21278	432.00	119.09
30/07/2004	11:06:03	2.64611	597.34	119.72	30/07/2004	12:41:03	4.22944	431.59	119.09
30/07/2004	11:07:03	2.66278	585.80	119.75	30/07/2004	12:42:03	4.24611	431.16	119.08
30/07/2004	11:08:03	2.67944	574.08	119.84	30/07/2004	12:43:03	4.26278	430.94	119.08
30/07/2004	11:09:03	2.69611	561.58	119.87	30/07/2004	12:44:03	4.27944	430.75	119.08
30/07/2004	11:10:03	2.71278	547.74	119.85	30/07/2004	12:45:03	4.29611	430.27	119.07
30/07/2004	11:11:03	2.72944	527.63	119.81	30/07/2004	12:46:03	4.31278	430.33	119.06
30/07/2004	11:12:03	2.74611	476.70	119.47	30/07/2004	12:47:03	4.32944	431.28	119.06
30/07/2004	11:13:03	2.76278	440.22	118.86	30/07/2004	12:48:03	4.34611	432.06	119.06
30/07/2004	11:14:03	2.77944	410.89	118.20	30/07/2004	12:49:03	4.36278	432.61	119.06
30/07/2004	11:15:03	2.79611	386.59	117.70	30/07/2004	12:50:03	4.37944	432.79	119.06
30/07/2004	11:16:03	2.81278	367.01	117.36	30/07/2004	12:51:03	4.39611	432.62	119.06
30/07/2004	11:17:03	2.82944	350.44	117.16	30/07/2004	12:52:03	4.41278	432.60	119.05
30/07/2004	11:18:03	2.84611	336.34	117.07	30/07/2004	12:53:03	4.42944	432.41	119.05
30/07/2004	11:19:03	2.86278	324.03	117.03	30/07/2004	12:54:03	4.44611	432.28	119.04
30/07/2004	11:20:03	2.87944	319.41	117.03	30/07/2004	12:55:03	4.46278	432.28	119.04
30/07/2004	11:21:03	2.89611	316.75	117.29	30/07/2004	12:56:03	4.47944	432.16	119.04
30/07/2004	11:22:03	2.91278	316.50	117.58	30/07/2004	12:57:03	4.49611	432.42	119.03
30/07/2004	11:23:03	2.92944	316.68	117.79	30/07/2004	12:58:03	4.51278	432.38	119.03
30/07/2004	11:24:03	2.94611	316.83	117.92	30/07/2004	12:59:03	4.52944	432.59	119.03
30/07/2004	11:25:03	2.96278	317.01	118.02	30/07/2004	13:00:03	4.54611	432.90	119.02
30/07/2004	11:26:03	2.97944	317.90	118.09	30/07/2004	13:01:03	4.56278	433.08	119.02
30/07/2004	11:27:03	2.99611	319.82	118.15	30/07/2004	13:02:03	4.57944	433.21	119.02
30/07/2004	11:28:03	3.01278	321.95	118.21	30/07/2004	13:03:03	4.59611	433.10	119.02
30/07/2004	11:29:03	3.02944	323.93	118.26	30/07/2004	13:04:03	4.61278	433.29	119.02
30/07/2004	11:30:03	3.04611	325.34	118.31	30/07/2004	13:05:03	4.62944	433.22	119.02
30/07/2004	11:31:03	3.06278	326.74	118.35	30/07/2004	13:06:03	4.64611	433.16	119.01
30/07/2004	11:32:03	3.07944	328.37	118.40	30/07/2004	13:07:03	4.66278	433.20	119.01
30/07/2004	11:33:03	3.09611	329.82	118.44	30/07/2004	13:08:03	4.67944	433.18	119.01
30/07/2004	11:34:03	3.11278	331.36	118.48	30/07/2004	13:09:03	4.69611	433.11	119.01
30/07/2004	11:35:03	3.12944	333.05	118.52	30/07/2004	13:10:03	4.71278	433.75	119.00
30/07/2004	11:36:03	3.14611	335.57	118.56	30/07/2004	13:11:03	4.72944	434.06	119.00
30/07/2004	11:37:03	3.16278	338.49	118.60	30/07/2004	13:12:03	4.74611	434.36	119.00
30/07/2004	11:38:03	3.17944	341.96	118.65	30/07/2004	13:13:03	4.76278	434.57	119.00
30/07/2004	11:39:03	3.19611	345.86	118.68	30/07/2004	13:14:03	4.77944	435.11	119.00
30/07/2004	11:40:03	3.21278	350.35	118.72	30/07/2004	13:15:03	4.79611	435.51	119.00
30/07/2004	11:41:03	3.22944	353.74	118.74	30/07/2004	13:16:03	4.81278	435.94	119.01
30/07/2004	11:42:03	3.24611	357.14	118.77	30/07/2004	13:17:03	4.82944	436.45	119.01
30/07/2004	11:43:03	3.26278	360.12	118.79	30/07/2004	13:18:03	4.84611	436.77	119.01
30/07/2004	11:44:03	3.27944	362.96	118.81	30/07/2004	13:19:03	4.86278	437.21	119.02
30/07/2004	11:45:03	3.29611	365.35	118.83	30/07/2004	13:20:03	4.87944	437.58	119.02
30/07/2004	11:46:03	3.31278	367.93	118.84	30/07/2004	13:21:03	4.89611	437.77	119.02
30/07/2004	11:47:03	3.32944	370.60	118.86	30/07/2004	13:22:03	4.91278	438.06	119.02
30/07/2004	11:48:03	3.34611	372.92	118.87	30/07/2004	13:23:03	4.92944	438.28	119.02
30/07/2004	11:49:03	3.36278	375.37	118.89	30/07/2004	13:24:03	4.94611	438.81	119.02
30/07/2004	11:50:03	3.37944	377.62	118.90	30/07/2004	13:25:03	4.96278	439.88	119.03
30/07/2004	11:51:03	3.39611	380.04	118.92	30/07/2004	13:26:03	4.97944	440.80	119.03
30/07/2004	11:52:03	3.41278	382.03	118.93	30/07/2004	13:27:03	4.99611	441.56	119.04
30/07/2004	11:53:03	3.42944	384.41	118.94	30/07/2004	13:28:03	5.01278	442.47	119.04
30/07/2004	11:54:03	3.44611	386.61	118.95	30/07/2004	13:29:03	5.02944	443.35	119.05
30/07/2004	11:55:03	3.46278	388.80	118.97	30/07/2004	13:30:03	5.04611	443.74	119.06
30/07/2004	11:56:03	3.47944	391.38	118.98	30/07/2004	13:31:03	5.06278	443.53	119.07
30/07/2004	11:57:03	3.49611	393.68	118.99	30/07/2004	13:32:03	5.07944	443.49	119.06
30/07/2004	11:58:03	3.51278	396.11	119.00	30/07/2004	13:33:03	5.09611	443.63	119.06
30/07/2004	11:59:03	3.52944	398.16	119.01	30/07/2004	13:34:03	5.11278	444.04	119.06
30/07/2004	12:00:03	3.54611	400.20	119.02	30/07/2004	13:35:03	5.12944	444.69	119.07
30/07/2004	12:01:03	3.56278	401.69	119.03	30/07/2004	13:36:03	5.14611	445.71	119.07
30/07/2004	12:02:03	3.57944	403.42	119.04	30/07/2004	13:37:03	5.16278	446.68	119.08
30/07/2004	12:03:03	3.59611	404.88	119.05	30/07/2004	13:38:03	5.17944	447.68	119.08
30/07/2004	12:04:03	3.61278	406.30	119.05	30/07/2004	13:39:03	5.19611	448.58	119.09
30/07/2004	12:05:03	3.62944	407.36	119.05	30/07/2004	13:40:03	5.21278	449.16	119.10
30/07/2004	12:06:03	3.64611	408.82	119.06	30/07/2004	13:41:03	5.22944	449.16	119.11
30/07/2004	12:07:03	3.66278	410.32	119.06	30/07/2004	13:42:03	5.24611	448.92	119.11
30/07/2004	12:08:03	3.67944	411.95	119.07	30/07/2004	13:43:03	5.26278	448.80	119.11
30/07/2004	12:09:03	3.69611	413.36	119.07	30/07/2004	13:44:03	5.27944	448.88	119.11
30/07/2004	12:10:03	3.71278	414.89	119.08	30/07/2004	13:45:03	5.29611	448.58	119.11
30/07/2004	12:11:03	3.72944	415.98	119.08	30/07/2004	13:46:03	5.31278	448.52	119.11
30/07/2004	12:12:03	3.74611	417.01	119.09	30/07/2004	13:47:03	5.32944	448.14	119.11
30/07/2004	12:13:03	3.76278	417.94	119.09	30/07/2004	13:48:03	5.34611	448.08	119.11
30/07/2004	12:14:03	3.77944	418.78	119.09	30/07/2004	13:49:03	5.36278	448.06	119.11
30/07/2004	12:15:03	3.79611	419.57	119.10	30/07/2004	13:50:03	5.37944	447.69	119.11
30/07/2004	12:16:03	3.81278	420.44	119.10	30/07/2004	13:51:03	5.39611	447.47	119.10
30/07/2004	12:17:03	3.82944	421.05	119.10	30/07/2004	13:52:03	5.41278	447.07	119.10
30/07/2004	12:18:03	3.84611	421.62	119.10	POOH Gauges				
30/07/2004	12:19:03	3.86278	422.50	119.10	30/07/2004	13:53:03	5.42944	444.54	119.10
30/07/2004	12:20:03	3.87944	423.12	119.10	Step at 9300'				
30/07/2004	12:21:03	3.89611	423.62	119.10	30/07/2004	13:54:03	5.44611	431.49	119.13
30/07/2004	12:22:03	3.91278	423.97	119.09	30/07/2004	13:55:03	5.46278	426.69	119.16
30/07/2004	12:23:03	3.92944	424.43	119.09	30/07/2004	13:56:03	5.47944	426.57	119.17
30/07/2004	12:24:03	3.94611	425.23	119.09	30/07/2004	13:57:03	5.49611	426.70	119.18
30/07/2004	12:25:03	3.96278	426.15	119.09	Step at 9200'				
30/07/2004	12:26:03	3.97944	426.98	119.09	30/07/2004	13:58:03	5.51278	418.77	119.19
30/07/2004	12:27:03	3.99611	427.87	119.09	30/07/2004	13:59:03	5.52944	410.33	119.25
30/07/2004	12:28:03	4.01278	428.47	119.10	30/07/2004	14:00:03	5.54611	410.93	119.27
30/07/2004	12:29:03	4.02944	429.07	119.10	30/07/2004	14:01:03	5.56278	412.07	119.27

Date	Time	Elapsed Time (hrs)	Pressure (psia)	Temperature (°F)
Step at 9100'				
30/07/2004	14:02:03	5.57944	396.80	119.30
30/07/2004	14:03:03	5.59611	396.13	119.28
30/07/2004	14:04:03	5.61278	395.99	119.28
Step at 9000'				
30/07/2004	14:05:03	5.62944	387.91	119.27
30/07/2004	14:06:03	5.64611	382.80	119.09
30/07/2004	14:07:03	5.66278	382.14	119.04
30/07/2004	14:08:03	5.67944	381.07	119.02
Step at 8900'				
30/07/2004	14:09:03	5.69611	367.59	118.88
30/07/2004	14:10:03	5.71278	368.05	118.74
30/07/2004	14:11:03	5.72944	367.55	118.69
30/07/2004	14:12:03	5.74611	363.14	118.67
Step at 8800'				
30/07/2004	14:13:03	5.76278	353.93	118.48
30/07/2004	14:14:03	5.77944	354.41	118.38
30/07/2004	14:15:03	5.79611	354.88	118.35
Step at 8700'				
30/07/2004	14:16:03	5.81278	348.55	118.32
30/07/2004	14:17:03	5.82944	348.40	118.19
30/07/2004	14:18:03	5.84611	348.87	118.12
30/07/2004	14:19:03	5.86278	349.80	118.09
Step at 8600'				
30/07/2004	14:20:03	5.87944	342.35	117.96
30/07/2004	14:21:03	5.89611	342.95	117.80
30/07/2004	14:22:03	5.91278	343.47	117.73
Step at 8500'				
30/07/2004	14:23:03	5.92944	338.88	117.69
30/07/2004	14:24:03	5.94611	337.46	117.43
30/07/2004	14:25:03	5.96278	338.24	117.29
30/07/2004	14:26:03	5.97944	338.95	117.24
Step at 8000'				
30/07/2004	14:27:03	5.99611	317.27	116.25
30/07/2004	14:28:03	6.01278	304.42	113.40
30/07/2004	14:29:03	6.02944	306.02	112.68
30/07/2004	14:30:03	6.04611	306.53	112.35
Step at 7500'				
30/07/2004	14:31:03	6.06278	290.80	112.06
30/07/2004	14:32:03	6.07944	271.95	111.02
30/07/2004	14:33:03	6.09611	273.35	110.51
30/07/2004	14:34:03	6.11278	273.83	110.29
Step at 7000'				
30/07/2004	14:35:03	6.12944	265.58	110.14
30/07/2004	14:36:03	6.14611	240.63	109.07
30/07/2004	14:37:03	6.16278	241.71	108.37
30/07/2004	14:38:03	6.17944	242.75	108.10
Step at 6500'				
30/07/2004	14:39:03	6.19611	239.63	107.94
30/07/2004	14:40:03	6.21278	212.17	106.88
30/07/2004	14:41:03	6.22944	212.81	106.04
30/07/2004	14:42:03	6.24611	212.94	105.70
Step at 6000'				
30/07/2004	14:43:03	6.26278	211.57	105.53
30/07/2004	14:44:03	6.27944	182.69	104.46
30/07/2004	14:45:03	6.29611	184.29	103.58
30/07/2004	14:46:03	6.31278	183.76	103.26
Step at 5500'				
30/07/2004	14:47:03	6.32944	181.73	103.07
30/07/2004	14:48:03	6.34611	155.19	101.92
30/07/2004	14:49:03	6.36278	155.14	100.99
30/07/2004	14:50:03	6.37944	156.01	100.59
30/07/2004	14:51:03	6.39611	153.49	100.38
Step at 5000'				
30/07/2004	14:52:03	6.41278	140.96	99.79
30/07/2004	14:53:03	6.42944	136.64	98.84
30/07/2004	14:54:03	6.44611	134.33	98.28
30/07/2004	14:55:03	6.46278	132.12	97.93
Step at 4000'				
30/07/2004	14:56:03	6.47944	121.67	97.52
30/07/2004	14:57:03	6.49611	104.73	95.98
30/07/2004	14:58:03	6.51278	99.38	94.16
30/07/2004	14:59:03	6.52944	96.28	93.17
30/07/2004	15:00:03	6.54611	92.27	92.55
30/07/2004	15:01:03	6.56278	86.47	92.00
30/07/2004	15:02:03	6.57944	80.09	90.97
Step at 3000'				
30/07/2004	15:03:03	6.59611	72.23	89.89
30/07/2004	15:04:03	6.61278	62.17	88.42
30/07/2004	15:05:03	6.62944	58.63	87.47
30/07/2004	15:06:03	6.64611	56.37	86.93
30/07/2004	15:07:03	6.66278	52.66	86.57
30/07/2004	15:08:03	6.67944	45.31	85.58
Step at 2000'				
30/07/2004	15:09:03	6.69611	39.01	84.00
30/07/2004	15:10:03	6.71278	38.28	82.41
30/07/2004	15:11:03	6.72944	38.03	81.16
30/07/2004	15:12:03	6.74611	38.05	80.56
30/07/2004	15:13:03	6.76278	38.19	80.16
30/07/2004	15:14:03	6.77944	37.64	79.17

Date	Time	Elapsed Time (hrs)	Pressure (psia)	Temperature (°F)
Step at 1000'				
30/07/2004	15:15:03	6.79611	37.23	77.75
30/07/2004	15:16:03	6.81278	37.30	76.58
30/07/2004	15:17:03	6.82944	37.11	75.73
Step at 0'				
30/07/2004	15:18:03	6.84611	36.12	74.98
30/07/2004	15:19:03	6.86278	34.58	73.57
30/07/2004	15:20:03	6.87944	33.97	71.67
30/07/2004	15:21:03	6.89611	33.57	71.12
30/07/2004	15:22:03	6.91278	34.65	71.12
30/07/2004	15:23:03	6.92944	36.38	71.02
Desactivate				