

Pressure Test Report

COMPANY INFORMATION

Company Name	CONOCOPHILLIPS
Representative	PRISCILLA SHORTY
Phone	
Fax	
Address	

OIL CONS. DIV DIST. 3

MAY 05 2015

E-Mail Address	
Service Company	PHOENIX SERVICES

WELL INFORMATION

Well Name	SAN JUAN 30-5 UNIT 216
Well Location	T30N, R5W, SEC. 20
Field and Pool	BASIN FRUITLAND COAL
Status (Oil, Gas, Water, Injection)	OBSERVATION
Perforated Intervals	2984-3118
Mid-point of Perforated Intervals (MPP)	
Drilling Rig Number	
Elevations	
Kelly Bushing (KB)	13
Casing Flange (CF)	
KB-CF	
Ground Level	6275
Plug Back Total Depth	3124
Total Depth	3124
Production Casing	7 TO 2962
Production Tubing	2 3/8 TO 2969

TEST INFORMATION

Type of Test	POOH STATIC GRADIENT
Date(s) of Test	4/30/15
Dead-weight Gauge Tubing Pressure	45
Dead-weight Gauge Casing Pressure	0
Shut-in Date (Duration)	
Date / Time on Bottom	4/30/15 @ 0810 HRS
Date / Time off Bottom	4/30/15 @ 0910 HRS
Probe Serial Number	9736
Probe Offset from End of Tool String	0-6000
Run Depth at Probe Pressure Port	3009

PRESSURE TEST RESULTS

Maximum Recorded Probe Pressure	52.2 psig
Maximum Recorded Probe Temperature	109.4 deg F
Final Buildup Pressure	
Gradient Survey Information	
Extrapolated Pressure to MPP	
Final Gradient at Depth	
Job Number	34910WP

Company Name	CONOCOPHILLIPS
Well Name	SAN JUAN 30-5 UNIT 216
Type of Test	POOH STATIC GRADIENT
Date(s) of Test	4/30/15

PROBE INFORMATION

Probe Serial Number 9736

Model

Pressure

Calibrated Pressure Range

Accuracy

Resolution

Temperature

Calibrated Temperature Range

Accuracy

Resolution

Calibration File Used for Reports

PROGRAMMING DETAILS

<u>Step</u>	<u>Sample Mode</u>	<u>Period</u>	<u>Duration</u>	<u>Comment</u>
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Program Start Time

Program End Time

Total Samples Taken

Usage for this Test

Generic Data File Name

Company Name	CONOCOPHILLIPS
Well Name	SAN JUAN 30-5 UNIT 216
Type of Test	POOH STATIC GRADIENT
Date(s) of Test	4/30/15

COMMENTS

Reported By

PHOENIX SERVICES

RAN 1.657 GR TO 3010'-RAN TANDEM BHP GAUGES TO 3009'-SET 1 HR-POOH MAKING GRADIENT STOPS.

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Pressure vs. Depth

Probe Serial Number 9736

		(ft)	(psig)	(psi/ft)	(deg F)	(deg F/ft)
0810	0910	3009.000	52.245	-	109.411	-
0910	0915	2500.000	51.529	0.0014	106.358	0.0060
0915	0920	2000.000	50.826	0.0014	101.523	0.0097
0920	0925	1500.000	50.083	0.0015	96.462	0.0101
0925	0930	1000.000	49.350	0.0015	90.068	0.0128
0930	0935	500.000	48.619	0.0015	83.626	0.0129
0935	0940	0.000	47.853	0.0015	76.532	0.0142

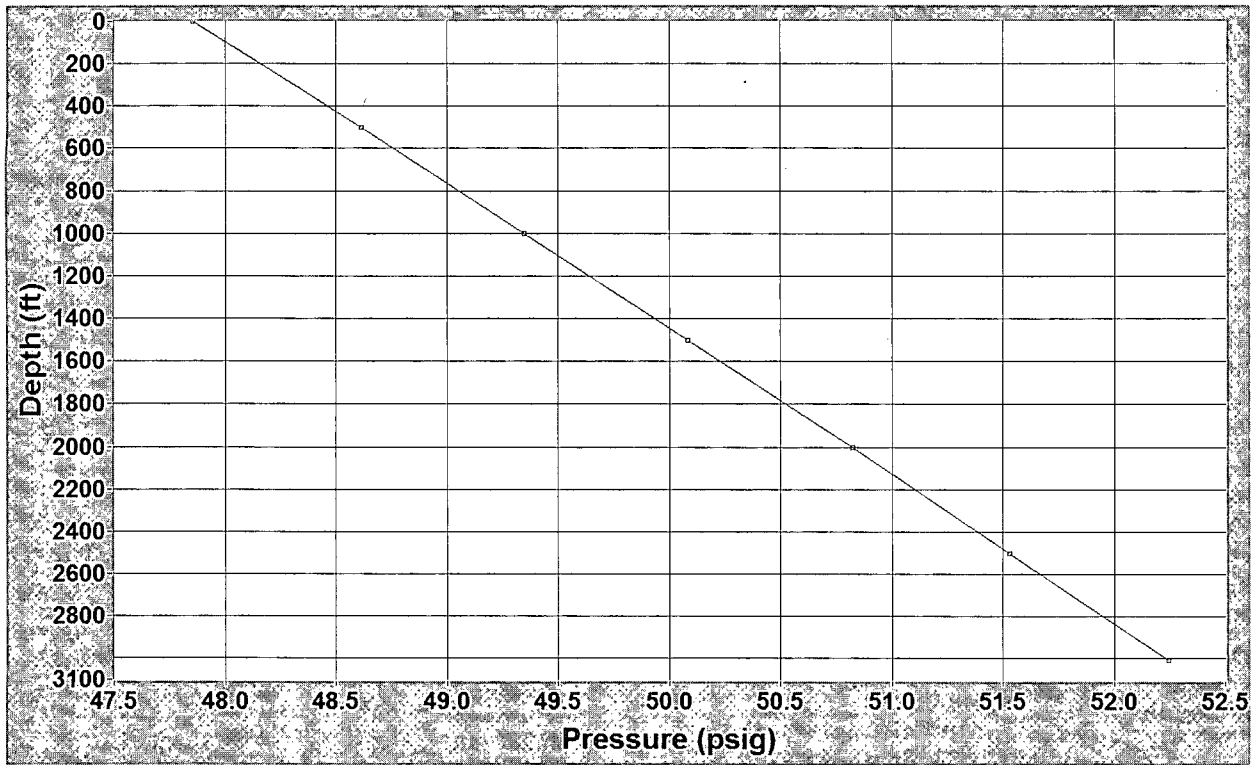
Extrapolated to MPP:

	(ft)	(psig)	(deg F)
	0.000		

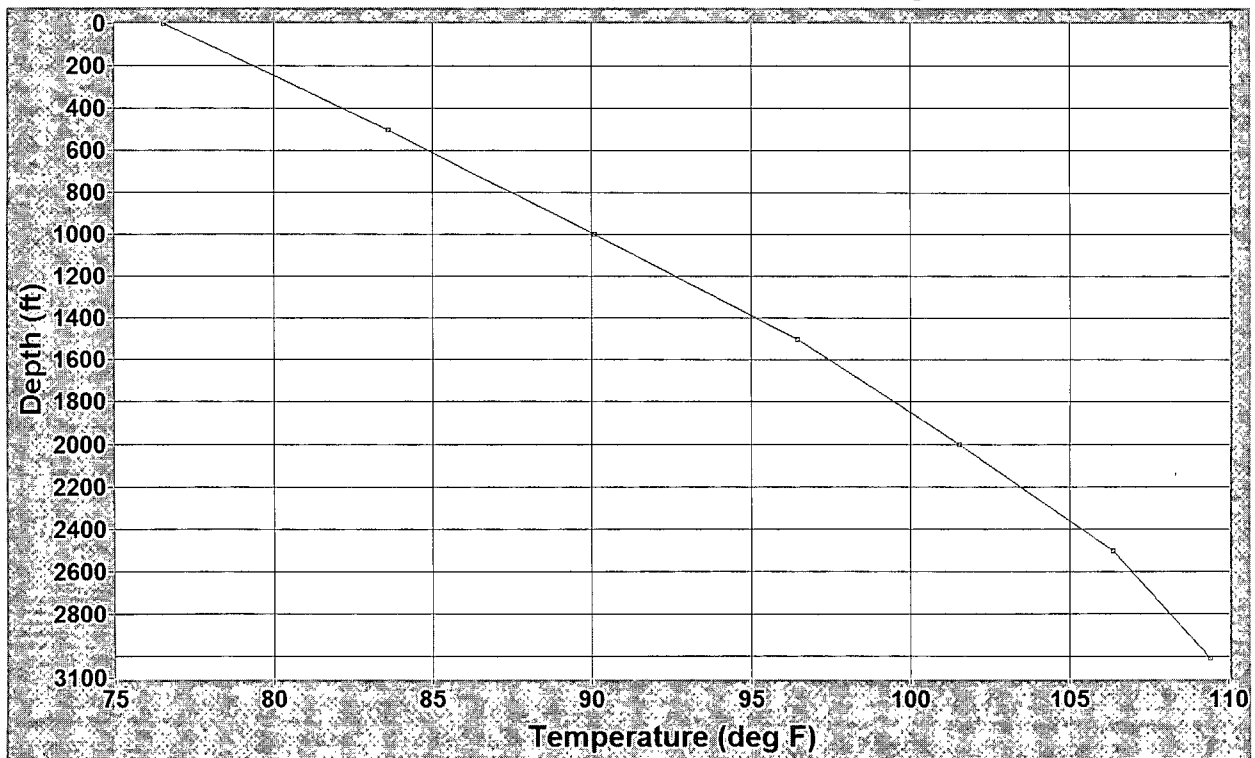
Company Name CONOCOPHILLIPS
Well Name SAN JUAN 30-5 UNIT 216
Type of Test POOH STATIC GRADIENT
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Probe Serial Number 9736

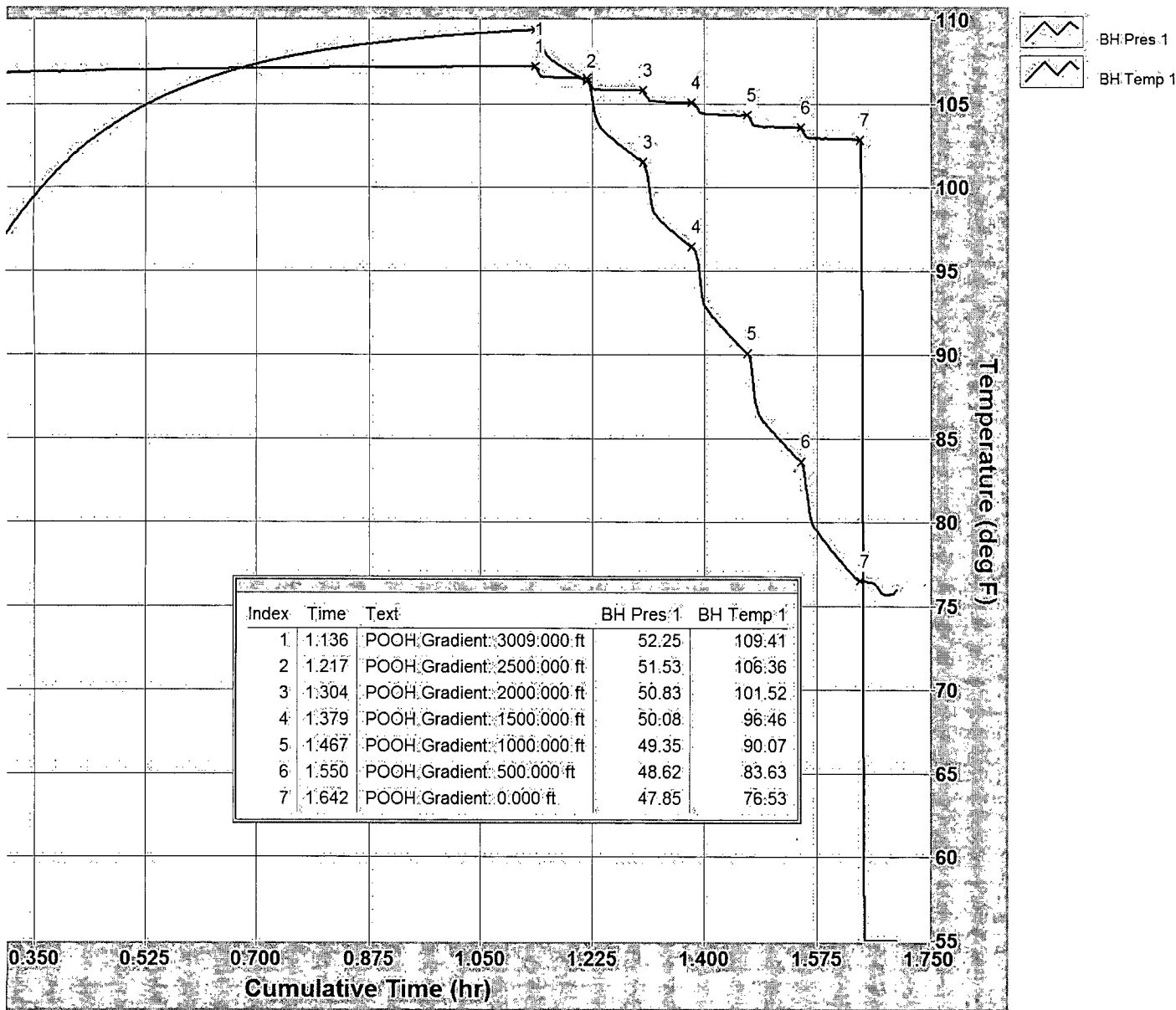
POOH Gradient Depth vs. Pressure



POOH Gradient Depth vs. Temperature



San Juan 30-5 Unit 216



Company Name CONOCOPHILLIPS
Well Name SAN JUAN 30-5 UNIT 216
Type of Test POOH STATIC GRADIENT
Date(s) of Test 4/30/15

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2015/04/30	08:02:05	0.0000	0.000	57.866
2015/04/30	08:02:35	0.0083	0.000	57.738
2015/04/30	08:03:05	0.0167	0.000	57.603
2015/04/30	08:03:35	0.0250	0.000	57.515
2015/04/30	08:04:05	0.0333	0.000	57.420
2015/04/30	08:04:35	0.0417	0.000	57.349
2015/04/30	08:05:05	0.0500	0.000	57.286
2015/04/30	08:05:35	0.0583	0.000	57.274
2015/04/30	08:06:05	0.0667	0.000	57.346
2015/04/30	08:06:35	0.0750	0.000	57.349
2015/04/30	08:07:05	0.0833	47.382	57.385
2015/04/30	08:07:35	0.0917	47.797	57.443
2015/04/30	08:08:05	0.1000	48.258	57.663
2015/04/30	08:08:35	0.1083	48.863	58.649
2015/04/30	08:09:05	0.1167	49.938	61.531
2015/04/30	08:09:35	0.1250	51.201	69.879
2015/04/30	08:10:05	0.1333	51.433	77.646
2015/04/30	08:10:35	0.1417	51.535	80.841
2015/04/30	08:11:05	0.1500	51.610	82.555
2015/04/30	08:11:35	0.1583	51.667	83.865
2015/04/30	08:12:05	0.1667	51.698	84.997
2015/04/30	08:12:35	0.1750	51.742	86.022
2015/04/30	08:13:05	0.1833	51.715	86.979
2015/04/30	08:13:35	0.1917	51.760	87.895
2015/04/30	08:14:05	0.2000	51.782	88.772
2015/04/30	08:14:35	0.2083	51.821	89.616
2015/04/30	08:15:05	0.2167	51.792	90.441
2015/04/30	08:15:35	0.2250	51.838	91.229
2015/04/30	08:16:05	0.2333	51.819	91.971
2015/04/30	08:16:35	0.2417	51.859	92.680
2015/04/30	08:17:05	0.2500	51.889	93.330
2015/04/30	08:17:35	0.2583	51.846	93.947
2015/04/30	08:18:05	0.2667	51.831	94.541
2015/04/30	08:18:35	0.2750	51.848	95.144
2015/04/30	08:19:05	0.2833	51.877	95.697
2015/04/30	08:19:35	0.2917	51.868	96.244
2015/04/30	08:20:05	0.3000	51.910	96.766
2015/04/30	08:20:35	0.3083	51.873	97.275
2015/04/30	08:21:05	0.3167	51.886	97.743
2015/04/30	08:21:35	0.3250	51.903	98.193
2015/04/30	08:22:05	0.3333	51.918	98.614
2015/04/30	08:22:35	0.3417	51.913	99.036
2015/04/30	08:23:05	0.3500	51.943	99.432
2015/04/30	08:23:35	0.3583	51.952	99.811
2015/04/30	08:24:05	0.3667	51.947	100.175
2015/04/30	08:24:35	0.3750	51.938	100.542
2015/04/30	08:25:05	0.3833	51.938	100.888
2015/04/30	08:25:35	0.3917	51.944	101.203
2015/04/30	08:26:05	0.4000	51.976	101.514
2015/04/30	08:26:35	0.4083	51.964	101.818

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2015/04/30	08:27:05	0.4167	51.954	102.110
2015/04/30	08:27:35	0.4250	51.963	102.396
2015/04/30	08:28:05	0.4333	51.997	102.655
2015/04/30	08:28:35	0.4417	51.994	102.906
2015/04/30	08:29:05	0.4500	51.988	103.141
2015/04/30	08:29:35	0.4583	52.000	103.370
2015/04/30	08:30:05	0.4667	52.055	103.582
2015/04/30	08:30:35	0.4750	52.045	103.798
2015/04/30	08:31:05	0.4833	52.044	103.996
2015/04/30	08:31:35	0.4917	52.044	104.203
2015/04/30	08:32:05	0.5000	52.036	104.400
2015/04/30	08:32:35	0.5083	52.048	104.592
2015/04/30	08:33:05	0.5167	52.055	104.769
2015/04/30	08:33:35	0.5250	52.060	104.936
2015/04/30	08:34:05	0.5333	52.061	105.103
2015/04/30	08:34:35	0.5417	52.057	105.262
2015/04/30	08:35:05	0.5500	52.056	105.415
2015/04/30	08:35:35	0.5583	52.085	105.557
2015/04/30	08:36:05	0.5667	52.086	105.699
2015/04/30	08:36:35	0.5750	52.084	105.827
2015/04/30	08:37:05	0.5833	52.082	105.958
2015/04/30	08:37:35	0.5917	52.090	106.088
2015/04/30	08:38:05	0.6000	52.090	106.196
2015/04/30	08:38:35	0.6083	52.096	106.322
2015/04/30	08:39:05	0.6167	52.102	106.434
2015/04/30	08:39:35	0.6250	52.102	106.549
2015/04/30	08:40:05	0.6333	52.108	106.664
2015/04/30	08:40:35	0.6417	52.103	106.759
2015/04/30	08:41:05	0.6500	52.097	106.862
2015/04/30	08:41:35	0.6583	52.125	106.948
2015/04/30	08:42:05	0.6667	52.126	107.047
2015/04/30	08:42:35	0.6750	52.125	107.134
2015/04/30	08:43:05	0.6833	52.125	107.215
2015/04/30	08:43:35	0.6917	52.127	107.299
2015/04/30	08:44:05	0.7000	52.134	107.375
2015/04/30	08:44:35	0.7083	52.136	107.454
2015/04/30	08:45:05	0.7167	52.142	107.537
2015/04/30	08:45:35	0.7250	52.143	107.605
2015/04/30	08:46:05	0.7333	52.146	107.681
2015/04/30	08:46:35	0.7417	52.151	107.739
2015/04/30	08:47:05	0.7500	52.158	107.805
2015/04/30	08:47:35	0.7583	52.166	107.863
2015/04/30	08:48:05	0.7667	52.154	107.920
2015/04/30	08:48:35	0.7750	52.158	107.989
2015/04/30	08:49:05	0.7833	52.160	108.041
2015/04/30	08:49:35	0.7917	52.158	108.100
2015/04/30	08:50:05	0.8000	52.164	108.151
2015/04/30	08:50:35	0.8083	52.169	108.208
2015/04/30	08:51:05	0.8167	52.175	108.246
2015/04/30	08:51:35	0.8250	52.180	108.304

Company Name CONOCOPHILLIPS
Well Name SAN JUAN 30-5 UNIT 216
Type of Test POOH STATIC GRADIENT
Date(s) of Test 4/30/15

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2015/04/30	08:52:05	0.8333	52.186	108.349
2015/04/30	08:52:35	0.8417	52.188	108.397
2015/04/30	08:53:05	0.8500	52.181	108.444
2015/04/30	08:53:35	0.8583	52.190	108.489
2015/04/30	08:54:05	0.8667	52.191	108.516
2015/04/30	08:54:35	0.8750	52.196	108.568
2015/04/30	08:55:05	0.8833	52.190	108.604
2015/04/30	08:55:35	0.8917	52.189	108.653
2015/04/30	08:56:05	0.9000	52.192	108.694
2015/04/30	08:56:35	0.9083	52.193	108.727
2015/04/30	08:57:05	0.9167	52.193	108.763
2015/04/30	08:57:35	0.9250	52.209	108.799
2015/04/30	08:58:05	0.9333	52.206	108.835
2015/04/30	08:58:35	0.9417	52.210	108.862
2015/04/30	08:59:05	0.9500	52.207	108.900
2015/04/30	08:59:35	0.9583	52.204	108.928
2015/04/30	09:00:05	0.9667	52.219	108.955
2015/04/30	09:00:35	0.9750	52.216	108.986
2015/04/30	09:01:05	0.9833	52.217	109.013
2015/04/30	09:01:35	0.9917	52.224	109.042
2015/04/30	09:02:05	1.0000	52.222	109.069
2015/04/30	09:02:35	1.0083	52.226	109.090
2015/04/30	09:03:05	1.0167	52.231	109.116
2015/04/30	09:03:35	1.0250	52.227	109.128
2015/04/30	09:04:05	1.0333	52.230	109.164
2015/04/30	09:04:35	1.0417	52.235	109.188
2015/04/30	09:05:05	1.0500	52.236	109.209
2015/04/30	09:05:35	1.0583	52.234	109.229
2015/04/30	09:06:05	1.0667	52.233	109.249
2015/04/30	09:06:35	1.0750	52.240	109.274
2015/04/30	09:07:05	1.0833	52.235	109.294
2015/04/30	09:07:35	1.0917	52.233	109.319
2015/04/30	09:08:05	1.1000	52.235	109.337
2015/04/30	09:08:35	1.1083	52.230	109.351
2015/04/30	09:09:05	1.1167	52.225	109.371
2015/04/30	09:09:35	1.1250	52.237	109.389
2015/04/30	09:10:05	1.1333	52.248	109.411
POOH Gradient: 3009.000 ft				
2015/04/30	09:10:15	1.1361	52.245	109.411
2015/04/30	09:10:35	1.1417	51.810	109.256
2015/04/30	09:11:05	1.1500	51.605	108.158
2015/04/30	09:11:35	1.1583	51.600	107.728
2015/04/30	09:12:05	1.1667	51.559	107.490
2015/04/30	09:12:35	1.1750	51.565	107.272
2015/04/30	09:13:05	1.1833	51.546	107.082
2015/04/30	09:13:35	1.1917	51.547	106.889
2015/04/30	09:14:05	1.2000	51.544	106.704
2015/04/30	09:14:35	1.2083	51.527	106.527
POOH Gradient: 2500.000 ft				
2015/04/30	09:15:05	1.2167	51.529	106.358

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2015/04/30	09:15:35	1.2250	51.014	105.345
2015/04/30	09:16:05	1.2333	50.876	103.865
2015/04/30	09:16:35	1.2417	50.841	103.442
2015/04/30	09:17:05	1.2500	50.810	103.141
2015/04/30	09:17:35	1.2583	50.820	102.864
2015/04/30	09:18:05	1.2667	50.822	102.600
2015/04/30	09:18:35	1.2750	50.829	102.355
2015/04/30	09:19:05	1.2833	50.829	102.108
2015/04/30	09:19:35	1.2917	50.832	101.869
2015/04/30	09:20:05	1.3000	50.822	101.638
POOH Gradient: 2000.000 ft				
2015/04/30	09:20:20	1.3042	50.826	101.523
2015/04/30	09:20:35	1.3083	50.531	101.120
2015/04/30	09:21:05	1.3167	50.207	99.151
2015/04/30	09:21:35	1.3250	50.157	98.303
2015/04/30	09:22:05	1.3333	50.126	97.968
2015/04/30	09:22:35	1.3417	50.087	97.678
2015/04/30	09:23:05	1.3500	50.093	97.394
2015/04/30	09:23:35	1.3583	50.100	97.124
2015/04/30	09:24:05	1.3667	50.108	96.849
2015/04/30	09:24:35	1.3750	50.080	96.586
POOH Gradient: 1500.000 ft				
2015/04/30	09:24:50	1.3792	50.083	96.462
2015/04/30	09:25:05	1.3833	50.044	96.334
2015/04/30	09:25:35	1.3917	49.544	94.831
2015/04/30	09:26:05	1.4000	49.446	92.962
2015/04/30	09:26:35	1.4083	49.412	92.462
2015/04/30	09:27:05	1.4167	49.410	92.084
2015/04/30	09:27:35	1.4250	49.345	91.729
2015/04/30	09:28:05	1.4333	49.347	91.380
2015/04/30	09:28:35	1.4417	49.367	91.040
2015/04/30	09:29:05	1.4500	49.371	90.709
2015/04/30	09:29:35	1.4583	49.326	90.383
POOH Gradient: 1000.000 ft				
2015/04/30	09:30:05	1.4667	49.350	90.068
2015/04/30	09:30:35	1.4750	48.759	88.551
2015/04/30	09:31:05	1.4833	48.697	86.551
2015/04/30	09:31:35	1.4917	48.679	86.029
2015/04/30	09:32:05	1.5000	48.641	85.662
2015/04/30	09:32:35	1.5083	48.646	85.309
2015/04/30	09:33:05	1.5167	48.613	84.960
2015/04/30	09:33:35	1.5250	48.588	84.619
2015/04/30	09:34:05	1.5333	48.598	84.285
2015/04/30	09:34:35	1.5417	48.607	83.952
POOH Gradient: 500.000 ft				
2015/04/30	09:35:05	1.5500	48.619	83.626
2015/04/30	09:35:35	1.5583	48.077	82.072
2015/04/30	09:36:05	1.5667	47.991	80.071
2015/04/30	09:36:35	1.5750	47.948	79.502
2015/04/30	09:37:05	1.5833	47.935	79.083

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Date(s) of Test 4/30/15

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2015/04/30	09:37:35	1.5917	47.906	78.667
2015/04/30	09:38:05	1.6000	47.919	78.269
2015/04/30	09:38:35	1.6083	47.925	77.882
2015/04/30	09:39:05	1.6167	47.921	77.504
2015/04/30	09:39:35	1.6250	47.918	77.133
2015/04/30	09:40:05	1.6333	47.892	76.784
POOH Gradient: 0.000 ft				
2015/04/30	09:40:35	1.6417	47.853	76.532
2015/04/30	09:41:05	1.6500	0.000	76.516
2015/04/30	09:41:35	1.6583	0.000	76.437
2015/04/30	09:42:05	1.6667	0.000	76.276
2015/04/30	09:42:35	1.6750	0.000	75.844
2015/04/30	09:43:05	1.6833	0.000	75.675
2015/04/30	09:43:35	1.6917	0.000	75.731