

OIL CONS. DIV DIST. 3

MAY 14 2015

Pressure Test Report

COMPANY INFORMATION

Company Name	CONOCOPHILLIPS
Representative	PRISCILLA SHORTY
Phone	
Fax	
Address	

E-Mail Address	
Service Company	PHOENIX SERVICES

WELL INFORMATION

Well Name	QUINN 1
Well Location	T31N, R8W, SEC. 17
Field and Pool	BASIN FRUITLAND COAL
Status (Oil, Gas, Water, Injection)	OBSERVATION
Perforated Intervals	3013-3293
Mid-point of Perforated Intervals (MPP)	
Drilling Rig Number	
Elevations	
Kelly Bushing (KB)	12
Casing Flange (CF)	
KB-CF	
Ground Level	6438
Plug Back Total Depth	3571
Total Depth	3617
Production Casing	4 1/2 TO 3615
Production Tubing	1.90 TO 3240

TEST INFORMATION

Type of Test	POOH STATIC GRADIENT
Date(s) of Test	5/9/15
Dead-weight Gauge Tubing Pressure	40
Dead-weight Gauge Casing Pressure	0
Shut-in Date (Duration)	
Date / Time on Bottom	5/9/15 @ 1349 HRS
Date / Time off Bottom	5/9/15 @ 1449 HRS
Probe Serial Number	W1037
Probe Offset from End of Tool String	0-6000
Run Depth at Probe Pressure Port	3269

PRESSURE TEST RESULTS

Maximum Recorded Probe Pressure	42.5 psig
Maximum Recorded Probe Temperature	118.4 deg F
Final Buildup Pressure	
Gradient Survey Information	
Extrapolated Pressure to MPP	
Final Gradient at Depth	
Job Number	35001WP

Company Name	CONOCOPHILLIPS
Well Name	QUINN 1
Type of Test	POOH STATIC GRADIENT
Date(s) of Test	5/9/15

PROBE INFORMATION

Probe Serial Number W1037
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	QUINN 1
Type of Test	POOH STATIC GRADIENT
Date(s) of Test	5/9/15

COMMENTS

Reported By

PHOENIX SERVICES

RAN 1.25 IB TO 3561'-NO IMPRESSION-IB COVERED IN GRAY MUD-RAN TANDEM BHP GAUGES TO 3269'-SET 1 HR-POOH MAKING GRADIENT STOPS.

Company Name	CONOCOPHILLIPS
Well Name	QUINN 1
Type of Test	POOH STATIC GRADIENT
Date(s) of Test	5/9/15

Pressure vs. Depth

Probe Serial Number W1037

		(ft)	(psig)	(psi/ft)	(deg F)	(deg F/ft)
1349	1449	3269.000	41.765	-	118.449	-
1449	1454	3000.000	37.916	0.0143	115.488	0.0110
1454	1459	2500.000	37.392	0.0010	109.953	0.0111
1459	1504	2000.000	36.910	0.0010	104.149	0.0116
1504	1509	1500.000	36.354	0.0011	97.790	0.0127
1509	1514	1000.000	35.800	0.0011	89.758	0.0161
1514	1519	500.000	35.211	0.0012	82.400	0.0147
1519	1524	0.000	34.619	0.0012	74.336	0.0161

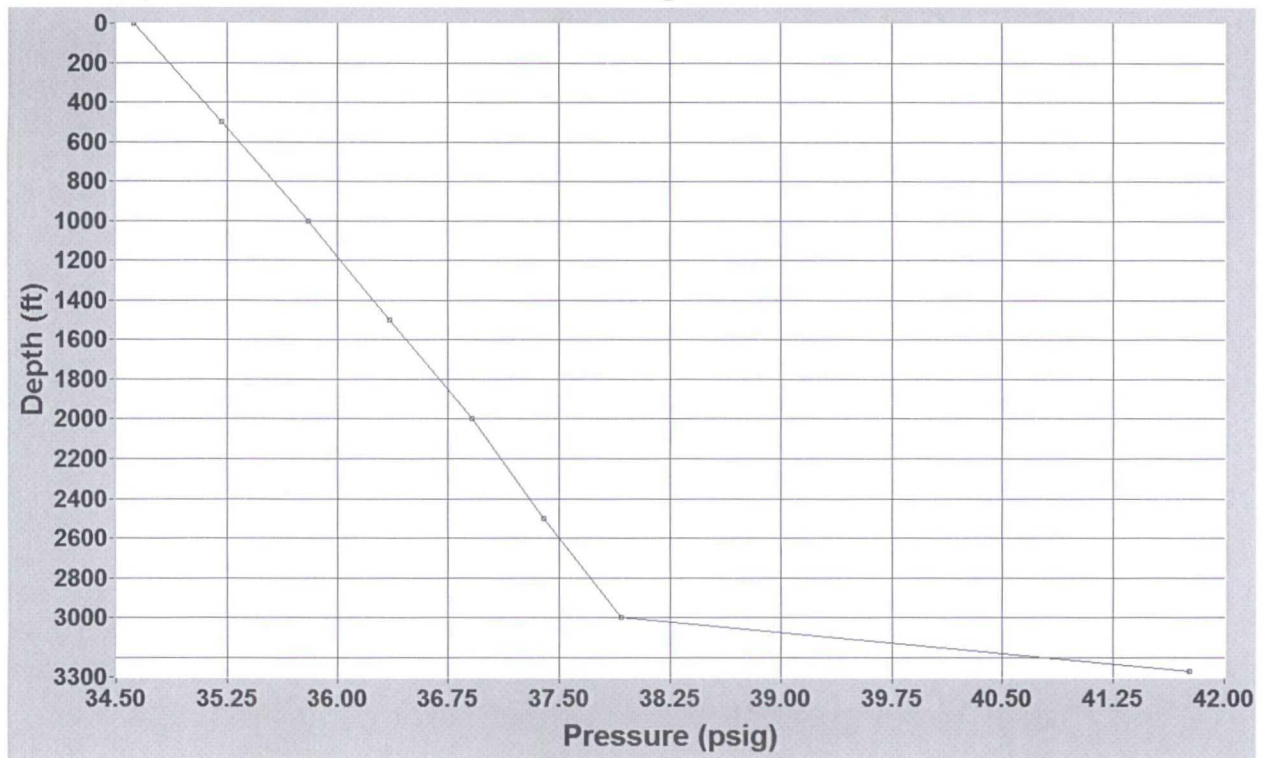
Extrapolated to MPP:

(ft)	(psig)	(deg F)
0.000		

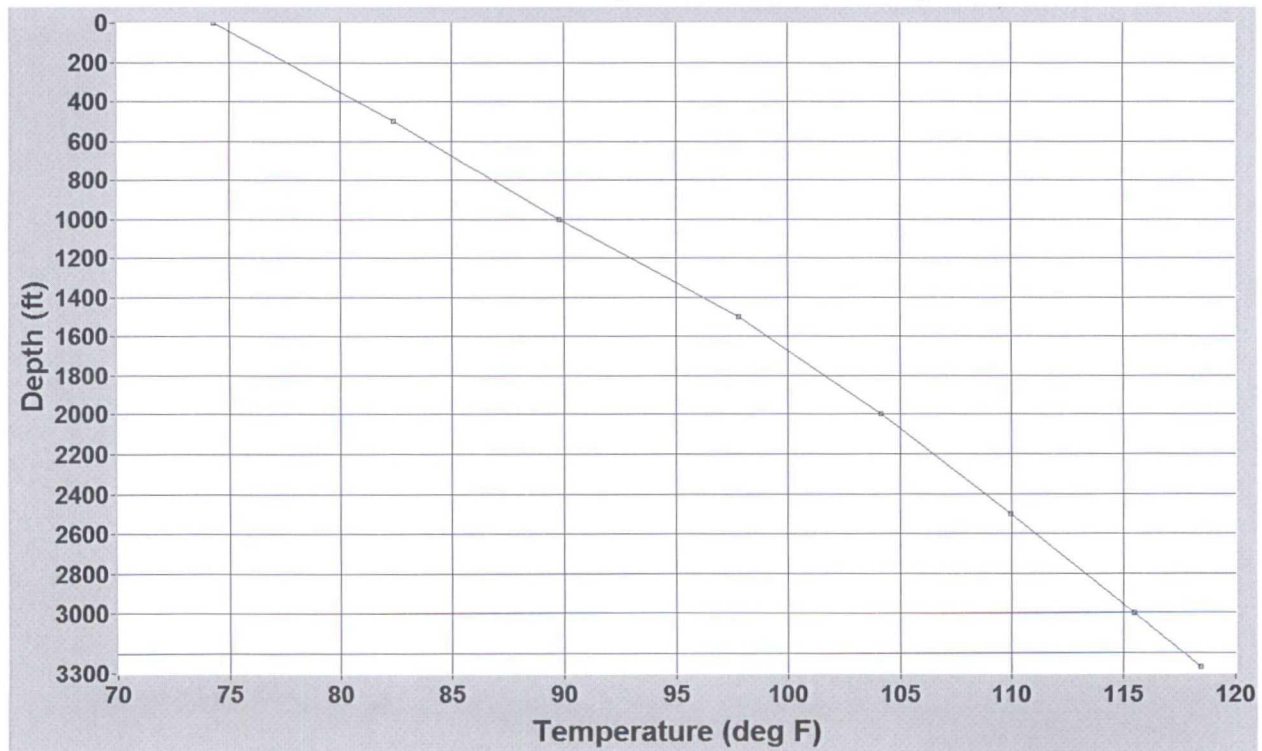
Company Name CONOCOPHILLIPS
Well Name QUINN 1
Type of Test POOH STATIC GRADIENT
Date(s) of Test 5/9/15

Probe Serial Number W1037

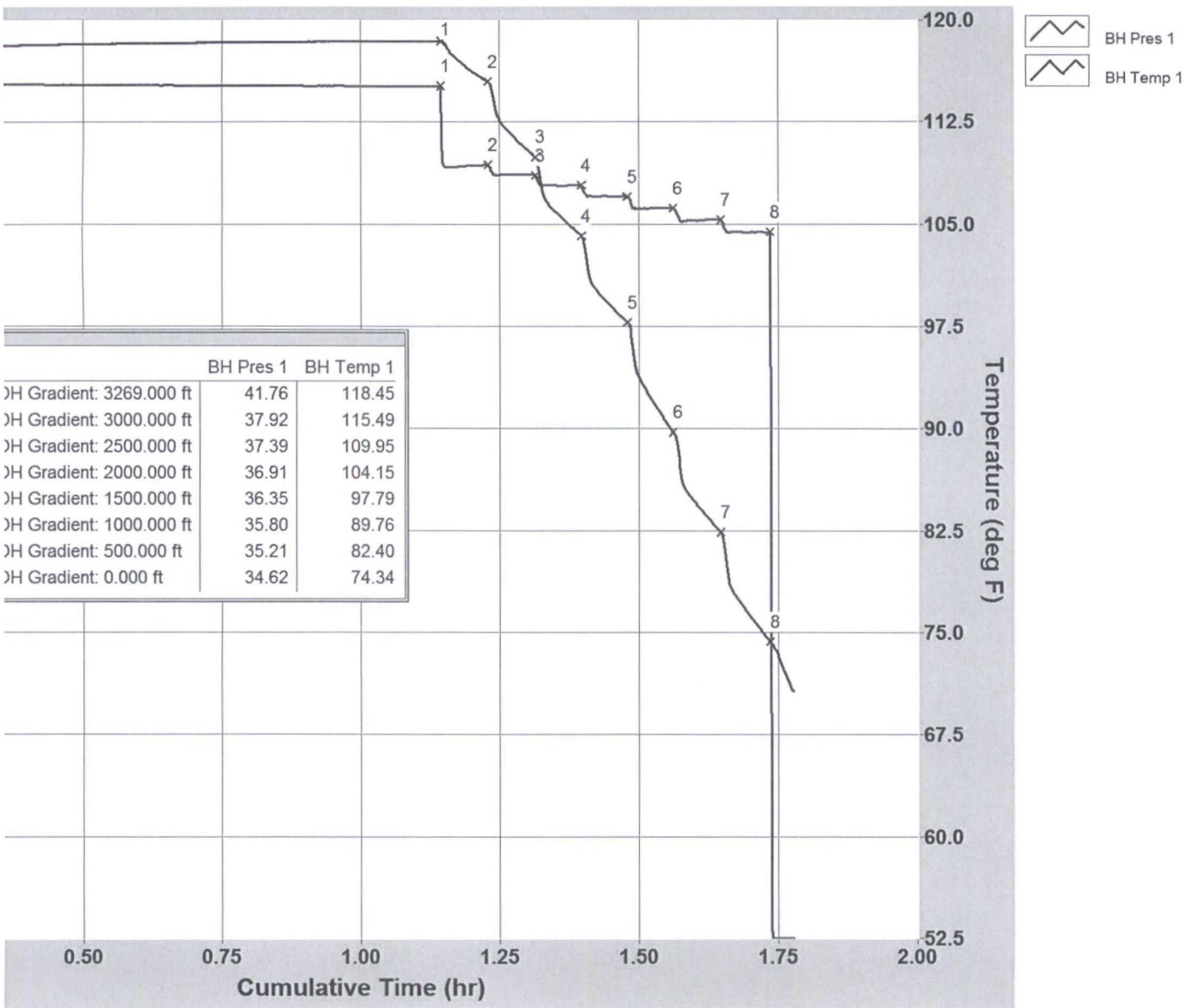
POOH Gradient Depth vs. Pressure



POOH Gradient Depth vs. Temperature



Quinn #1



Company Name CONOCOPHILLIPS
Well Name QUINN 1
Type of Test POOH STATIC GRADIENT
Date(s) of Test 5/9/15

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2015/05/09	13:40:05	0.0000	0.000	59.934
2015/05/09	13:40:35	0.0083	0.000	59.607
2015/05/09	13:41:05	0.0167	0.000	59.355
2015/05/09	13:41:35	0.0250	0.000	59.140
2015/05/09	13:42:05	0.0333	0.000	58.946
2015/05/09	13:42:35	0.0417	0.000	58.561
2015/05/09	13:43:05	0.0500	13.399	58.316
2015/05/09	13:43:35	0.0583	34.649	58.280
2015/05/09	13:44:05	0.0667	34.916	57.992
2015/05/09	13:44:35	0.0750	35.205	57.792
2015/05/09	13:45:05	0.0833	35.585	58.030
2015/05/09	13:45:35	0.0917	36.038	59.063
2015/05/09	13:46:05	0.1000	36.597	61.353
2015/05/09	13:46:35	0.1083	37.175	64.909
2015/05/09	13:47:05	0.1167	37.780	69.845
2015/05/09	13:47:35	0.1250	38.305	76.165
2015/05/09	13:48:05	0.1333	38.470	81.768
2015/05/09	13:48:35	0.1417	38.564	84.745
2015/05/09	13:49:05	0.1500	42.517	96.656
2015/05/09	13:49:35	0.1583	42.394	109.852
2015/05/09	13:50:05	0.1667	42.234	114.508
2015/05/09	13:50:35	0.1750	42.128	116.238
2015/05/09	13:51:05	0.1833	42.086	116.980
2015/05/09	13:51:35	0.1917	42.035	117.333
2015/05/09	13:52:05	0.2000	41.947	117.531
2015/05/09	13:52:35	0.2083	41.948	117.660
2015/05/09	13:53:05	0.2167	41.946	117.739
2015/05/09	13:53:35	0.2250	41.930	117.795
2015/05/09	13:54:05	0.2333	41.927	117.831
2015/05/09	13:54:35	0.2417	41.934	117.874
2015/05/09	13:55:05	0.2500	41.931	117.914
2015/05/09	13:55:35	0.2583	41.927	117.948
2015/05/09	13:56:05	0.2667	41.933	117.961
2015/05/09	13:56:35	0.2750	41.932	117.986
2015/05/09	13:57:05	0.2833	41.926	118.002
2015/05/09	13:57:35	0.2917	41.914	118.022
2015/05/09	13:58:05	0.3000	41.908	118.035
2015/05/09	13:58:35	0.3083	41.905	118.044
2015/05/09	13:59:05	0.3167	41.893	118.071
2015/05/09	13:59:35	0.3250	41.893	118.076
2015/05/09	14:00:05	0.3333	41.881	118.094
2015/05/09	14:00:35	0.3417	41.881	118.103
2015/05/09	14:01:05	0.3500	41.866	118.112
2015/05/09	14:01:35	0.3583	41.872	118.125
2015/05/09	14:02:05	0.3667	41.866	118.134
2015/05/09	14:02:35	0.3750	41.871	118.146
2015/05/09	14:03:05	0.3833	41.868	118.152
2015/05/09	14:03:35	0.3917	41.859	118.168
2015/05/09	14:04:05	0.4000	41.862	118.171
2015/05/09	14:04:35	0.4083	41.854	118.175

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2015/05/09	14:05:05	0.4167	41.850	118.189
2015/05/09	14:05:35	0.4250	41.847	118.191
2015/05/09	14:06:05	0.4333	41.839	118.197
2015/05/09	14:06:35	0.4417	41.833	118.211
2015/05/09	14:07:05	0.4500	41.833	118.213
2015/05/09	14:07:35	0.4583	41.833	118.220
2015/05/09	14:08:05	0.4667	41.841	118.229
2015/05/09	14:08:35	0.4750	41.841	118.236
2015/05/09	14:09:05	0.4833	41.835	118.242
2015/05/09	14:09:35	0.4917	41.829	118.242
2015/05/09	14:10:05	0.5000	41.832	118.249
2015/05/09	14:10:35	0.5083	41.829	118.249
2015/05/09	14:11:05	0.5167	41.832	118.258
2015/05/09	14:11:35	0.5250	41.823	118.263
2015/05/09	14:12:05	0.5333	41.817	118.269
2015/05/09	14:12:35	0.5417	41.814	118.270
2015/05/09	14:13:05	0.5500	41.811	118.279
2015/05/09	14:13:35	0.5583	41.823	118.279
2015/05/09	14:14:05	0.5667	41.826	118.283
2015/05/09	14:14:35	0.5750	41.825	118.285
2015/05/09	14:15:05	0.5833	41.820	118.290
2015/05/09	14:15:35	0.5917	41.817	118.296
2015/05/09	14:16:05	0.6000	41.811	118.301
2015/05/09	14:16:35	0.6083	41.814	118.310
2015/05/09	14:17:05	0.6167	41.814	118.308
2015/05/09	14:17:35	0.6250	41.808	118.305
2015/05/09	14:18:05	0.6333	41.805	118.315
2015/05/09	14:18:35	0.6417	41.802	118.319
2015/05/09	14:19:05	0.6500	41.805	118.324
2015/05/09	14:19:35	0.6583	41.807	118.323
2015/05/09	14:20:05	0.6667	41.802	118.330
2015/05/09	14:20:35	0.6750	41.790	118.328
2015/05/09	14:21:05	0.6833	41.790	118.332
2015/05/09	14:21:35	0.6917	41.790	118.339
2015/05/09	14:22:05	0.7000	41.781	118.335
2015/05/09	14:22:35	0.7083	41.787	118.344
2015/05/09	14:23:05	0.7167	41.784	118.339
2015/05/09	14:23:35	0.7250	41.787	118.342
2015/05/09	14:24:05	0.7333	41.784	118.350
2015/05/09	14:24:35	0.7417	41.781	118.351
2015/05/09	14:25:05	0.7500	41.772	118.353
2015/05/09	14:25:35	0.7583	41.775	118.357
2015/05/09	14:26:05	0.7667	41.775	118.359
2015/05/09	14:26:35	0.7750	41.772	118.360
2015/05/09	14:27:05	0.7833	41.772	118.368
2015/05/09	14:27:35	0.7917	41.772	118.364
2015/05/09	14:28:05	0.8000	41.778	118.369
2015/05/09	14:28:35	0.8083	41.778	118.373
2015/05/09	14:29:05	0.8167	41.781	118.375
2015/05/09	14:29:35	0.8250	41.786	118.375

Company Name CONOCOPHILLIPS
Well Name QUINN 1
Type of Test POOH STATIC GRADIENT
Date(s) of Test 5/9/15

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2015/05/09	14:30:05	0.8333	41.783	118.380
2015/05/09	14:30:35	0.8417	41.780	118.380
2015/05/09	14:31:05	0.8500	41.780	118.391
2015/05/09	14:31:35	0.8583	41.780	118.382
2015/05/09	14:32:05	0.8667	41.783	118.387
2015/05/09	14:32:35	0.8750	41.780	118.389
2015/05/09	14:33:05	0.8833	41.777	118.393
2015/05/09	14:33:35	0.8917	41.774	118.395
2015/05/09	14:34:05	0.9000	41.743	118.396
2015/05/09	14:34:35	0.9083	41.748	118.402
2015/05/09	14:35:05	0.9167	41.754	118.402
2015/05/09	14:35:35	0.9250	41.763	118.402
2015/05/09	14:36:05	0.9333	41.763	118.400
2015/05/09	14:36:35	0.9417	41.760	118.405
2015/05/09	14:37:05	0.9500	41.760	118.404
2015/05/09	14:37:35	0.9583	41.766	118.404
2015/05/09	14:38:05	0.9667	41.768	118.409
2015/05/09	14:38:35	0.9750	41.757	118.409
2015/05/09	14:39:05	0.9833	41.751	118.407
2015/05/09	14:39:35	0.9917	41.740	118.414
2015/05/09	14:40:05	1.0000	41.728	118.420
2015/05/09	14:40:35	1.0083	41.728	118.418
2015/05/09	14:41:05	1.0167	41.740	118.413
2015/05/09	14:41:35	1.0250	41.745	118.423
2015/05/09	14:42:05	1.0333	41.739	118.420
2015/05/09	14:42:35	1.0417	41.739	118.427
2015/05/09	14:43:05	1.0500	41.734	118.423
2015/05/09	14:43:35	1.0583	41.731	118.425
2015/05/09	14:44:05	1.0667	41.736	118.425
2015/05/09	14:44:35	1.0750	41.748	118.429
2015/05/09	14:45:05	1.0833	41.753	118.432
2015/05/09	14:45:35	1.0917	41.754	118.429
2015/05/09	14:46:05	1.1000	41.753	118.431
2015/05/09	14:46:35	1.1083	41.753	118.436
2015/05/09	14:47:05	1.1167	41.759	118.434
2015/05/09	14:47:35	1.1250	41.756	118.436
2015/05/09	14:48:05	1.1333	41.753	118.438
2015/05/09	14:48:35	1.1417	41.759	118.440
POOH Gradient: 3269.000 ft				
2015/05/09	14:48:50	1.1458	41.765	118.449
2015/05/09	14:49:05	1.1500	37.925	118.422
2015/05/09	14:49:35	1.1583	37.803	117.894
2015/05/09	14:50:05	1.1667	37.808	117.493
2015/05/09	14:50:35	1.1750	37.820	117.156
2015/05/09	14:51:05	1.1833	37.851	116.852
2015/05/09	14:51:35	1.1917	37.865	116.566
2015/05/09	14:52:05	1.2000	37.872	116.292
2015/05/09	14:52:35	1.2083	37.882	116.049
2015/05/09	14:53:05	1.2167	37.892	115.826
2015/05/09	14:53:35	1.2250	37.909	115.619

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
POOH Gradient: 3000.000 ft				
2015/05/09	14:53:55	1.2306	37.916	115.488
2015/05/09	14:54:05	1.2333	37.793	115.365
2015/05/09	14:54:35	1.2417	37.447	113.844
2015/05/09	14:55:05	1.2500	37.415	112.694
2015/05/09	14:55:35	1.2583	37.427	112.221
2015/05/09	14:56:05	1.2667	37.424	111.834
2015/05/09	14:56:35	1.2750	37.423	111.481
2015/05/09	14:57:05	1.2833	37.425	111.132
2015/05/09	14:57:35	1.2917	37.426	110.806
2015/05/09	14:58:05	1.3000	37.429	110.502
2015/05/09	14:58:35	1.3083	37.436	110.205
POOH Gradient: 2500.000 ft				
2015/05/09	14:59:00	1.3153	37.392	109.953
2015/05/09	14:59:05	1.3167	37.286	109.834
2015/05/09	14:59:35	1.3250	36.969	107.958
2015/05/09	15:00:05	1.3333	36.912	106.747
2015/05/09	15:00:35	1.3417	36.907	106.329
2015/05/09	15:01:05	1.3500	36.910	105.966
2015/05/09	15:01:35	1.3583	36.868	105.634
2015/05/09	15:02:05	1.3667	36.887	105.300
2015/05/09	15:02:35	1.3750	36.898	104.976
2015/05/09	15:03:05	1.3833	36.903	104.661
2015/05/09	15:03:35	1.3917	36.911	104.351
POOH Gradient: 2000.000 ft				
2015/05/09	15:03:55	1.3972	36.910	104.149
2015/05/09	15:04:05	1.4000	36.743	103.951
2015/05/09	15:04:35	1.4083	36.344	101.813
2015/05/09	15:05:05	1.4167	36.354	100.562
2015/05/09	15:05:35	1.4250	36.359	100.114
2015/05/09	15:06:05	1.4333	36.372	99.734
2015/05/09	15:06:35	1.4417	36.383	99.374
2015/05/09	15:07:05	1.4500	36.364	99.019
2015/05/09	15:07:35	1.4583	36.370	98.663
2015/05/09	15:08:05	1.4667	36.365	98.310
2015/05/09	15:08:35	1.4750	36.368	97.965
POOH Gradient: 1500.000 ft				
2015/05/09	15:08:50	1.4792	36.354	97.790
2015/05/09	15:09:05	1.4833	36.210	97.513
2015/05/09	15:09:35	1.4917	35.838	95.122
2015/05/09	15:10:05	1.5000	35.770	93.740
2015/05/09	15:10:35	1.5083	35.768	93.112
2015/05/09	15:11:05	1.5167	35.758	92.556
2015/05/09	15:11:35	1.5250	35.788	92.001
2015/05/09	15:12:05	1.5333	35.789	91.465
2015/05/09	15:12:35	1.5417	35.794	90.945
2015/05/09	15:13:05	1.5500	35.798	90.426
2015/05/09	15:13:35	1.5583	35.801	89.922
POOH Gradient: 1000.000 ft				
2015/05/09	15:13:45	1.5611	35.800	89.758

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 Date(s) of Test 5/9/15

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2015/05/09	15:14:05	1.5667	35.589	89.303
2015/05/09	15:14:35	1.5750	35.164	86.828
2015/05/09	15:15:05	1.5833	35.155	85.564
2015/05/09	15:15:35	1.5917	35.179	85.064
2015/05/09	15:16:05	1.6000	35.201	84.646
2015/05/09	15:16:35	1.6083	35.174	84.229
2015/05/09	15:17:05	1.6167	35.198	83.822
2015/05/09	15:17:35	1.6250	35.208	83.430
2015/05/09	15:18:05	1.6333	35.223	83.041
2015/05/09	15:18:35	1.6417	35.225	82.648
POOH Gradient: 500.000 ft				
2015/05/09	15:18:55	1.6472	35.211	82.400
2015/05/09	15:19:05	1.6500	35.083	82.139
2015/05/09	15:19:35	1.6583	34.638	79.637
2015/05/09	15:20:05	1.6667	34.607	78.238
2015/05/09	15:20:35	1.6750	34.631	77.662
2015/05/09	15:21:05	1.6833	34.620	77.175
2015/05/09	15:21:35	1.6917	34.582	76.707
2015/05/09	15:22:05	1.7000	34.598	76.249
2015/05/09	15:22:35	1.7083	34.594	75.799
2015/05/09	15:23:05	1.7167	34.621	75.349
2015/05/09	15:23:35	1.7250	34.622	74.912
2015/05/09	15:24:05	1.7333	34.602	74.489
POOH Gradient: 0.000 ft				
2015/05/09	15:24:15	1.7361	34.619	74.336
2015/05/09	15:24:35	1.7417	0.000	73.974
2015/05/09	15:25:05	1.7500	0.000	73.382
2015/05/09	15:25:35	1.7583	0.000	72.480
2015/05/09	15:26:05	1.7667	0.000	71.647
2015/05/09	15:26:35	1.7750	0.000	70.801