

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 SAN JUAN 30-5 UNIT 219 - API# 30-039-24768
Well Location T30N, R5W, SEC. 16
Field and Pool BASIN FRUITLAND COAL
Status (Oil, Gas, Water, Injection) OBSERVATION
Perforated Intervals 3044-3080
Mid-point of Perforated Intervals (MPP)
Drilling Rig Number
Elevations
 Kelly Bushing (KB) 13
 Casing Flange (CF)
 KB-CF
 Ground Level 6344
Plug Back Total Depth 3096
Total Depth 3096
Production Casing 5 1/2 TO 2989
Production Tubing 2 3/8 TO 2864

OIL CONS. DIV DIST. 3

JUN 2 2014

TEST INFORMATION

Type of Test POOH STATIC GRADIENT
Date(s) of Test 5/1/14
Dead-weight Gauge Tubing Pressure 60
Dead-weight Gauge Casing Pressure 125
Shut-in Date (Duration)
Date / Time on Bottom 5/1/14 @ 1341 HRS
Date / Time off Bottom 5/1/14 @ 1441 HRS

Probe Serial Number 9736
Probe Offset from End of Tool String 0-6000
Run Depth at Probe Pressure Port 3070

PRESSURE TEST RESULTS

Maximum Recorded Probe Pressure 69.6 psig
Maximum Recorded Probe Temperature 112.9 deg F
Final Buildup Pressure
Gradient Survey Information
 Extrapolated Pressure to MPP
 Final Gradient at Depth
Job Number 31768WP

Company Name	CONOCOPHILLIPS
Well Name	SAN JUAN 30-5 UNIT 219
Type of Test	POOH STATIC GRADIENT
Date(s) of Test	5/1/14

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 219
Type of Test	POOH STATIC GRADIENT
Date(s) of Test	5/1/14

COMMENTS

Reported By

PHOENIX SERVICES

RAN 1.657 GR TO 3074'-SET DOWN-RAN TANDEM BHP GAUGES (9736, 9737) TO 3070'-SET 1
HR-POOH MAKING GRADIENT STOPS.

Company Name	CONOCOPHILLIPS
Well Name	SAN JUAN 30-5 UNIT 219
Type of Test	POOH STATIC GRADIENT
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Pressure vs. Depth

Probe Serial Number 9736

		(ft)	(psig)	(psi/ft)	(deg F)	(deg F/ft)
1341	1441	3070.000	69.571	-	112.901	-
1443	1448	2500.000	62.295	0.0128	105.571	0.0129
1450	1455	2000.000	61.144	0.0023	96.841	0.0175
1457	1502	1500.000	60.230	0.0018	91.479	0.0107
1503	1508	1000.000	59.292	0.0019	77.392	0.0282
1512	1517	500.000	58.485	0.0016	69.699	0.0154
1519	1524	0.000	57.489	0.0020	67.892	0.0036

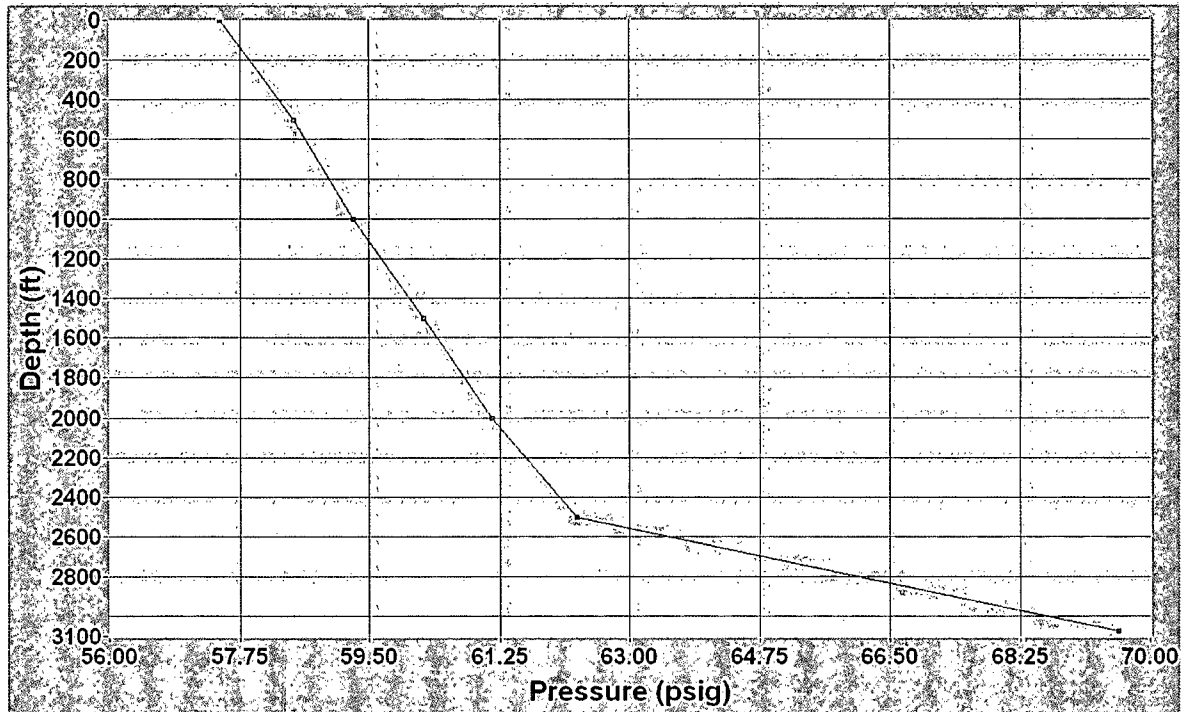
Extrapolated to MPP:

(ft)	(psig)	(deg F)
0.000		

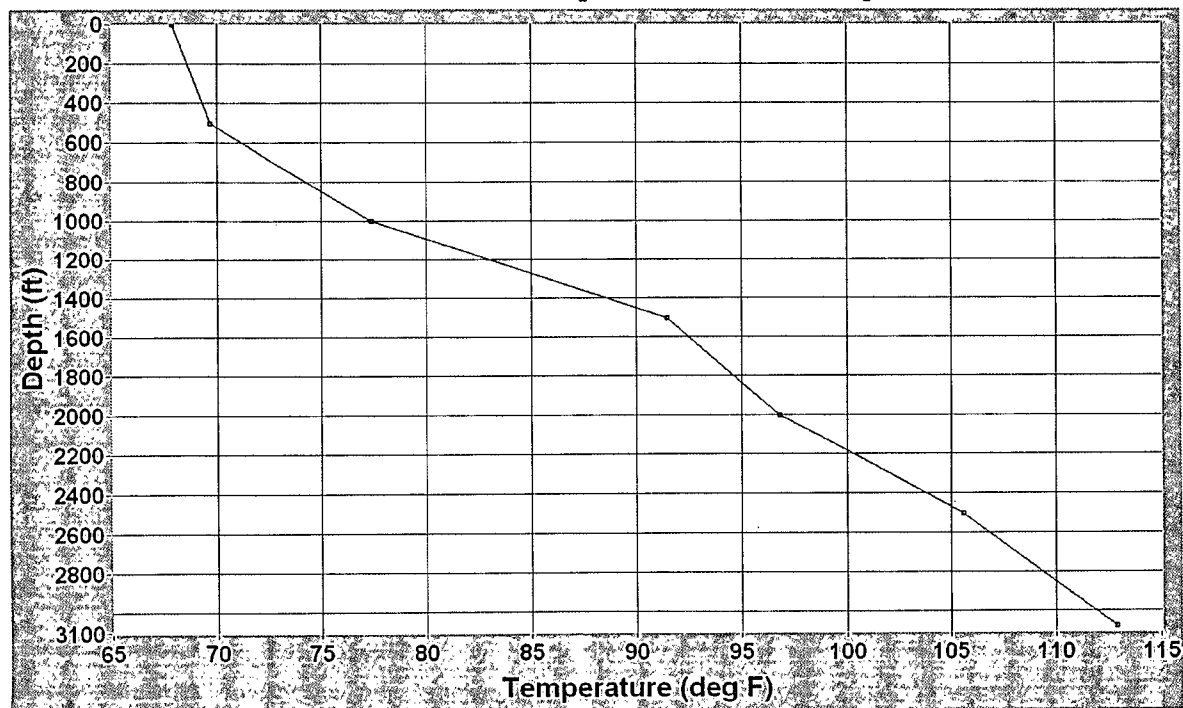
Company Name CONOCOPHILLIPS
Well Name SAN JUAN 30-5 UNIT 219
Type of Test POOH STATIC GRADIENT
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Probe Serial Number 9736

POOH Gradient Depth vs. Pressure

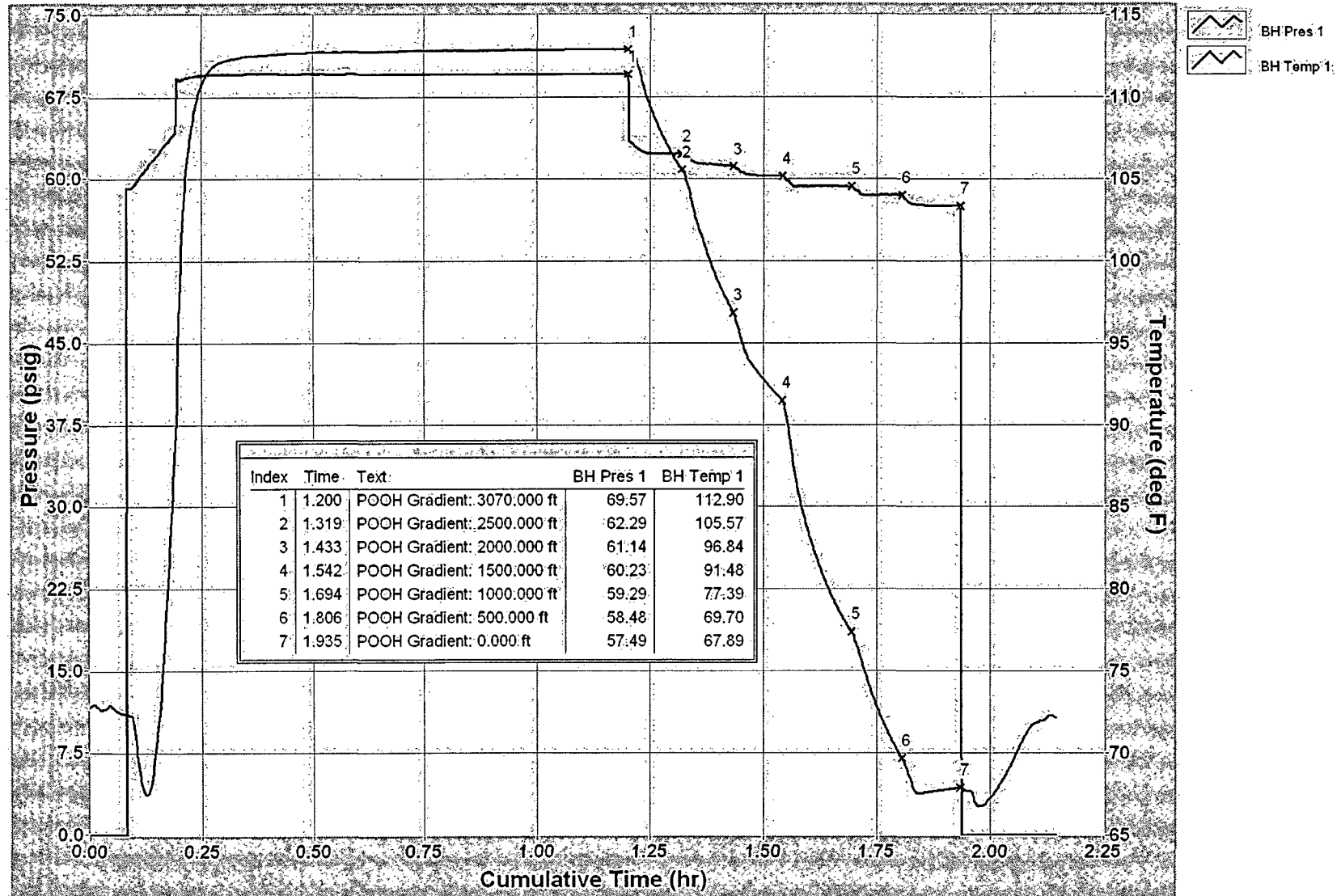


POOH Gradient Depth vs. Temperature



Company Name CONOCOPHILLIPS
 Well Name SAN JUAN 30-5 UNIT 219
 Type of Test POOH STATIC GRADIENT
 Date(s) of Test 5/1/14

San Juan 30-5 Unit #219



Company Name CONOCOPHILLIPS
Well Name SAN JUAN 30-5 UNIT 219
Type of Test POOH STATIC GRADIENT
Date(s) of Test 5/1/14

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2014/05/01	13:29:05	0.0000	0.000	72.793
2014/05/01	13:29:35	0.0083	0.000	72.939
2014/05/01	13:30:05	0.0167	0.000	72.840
2014/05/01	13:30:35	0.0250	0.000	72.635
2014/05/01	13:31:05	0.0333	0.000	72.669
2014/05/01	13:31:35	0.0417	0.000	72.829
2014/05/01	13:32:05	0.0500	0.000	72.833
2014/05/01	13:32:35	0.0583	0.000	72.612
2014/05/01	13:33:05	0.0667	0.000	72.471
2014/05/01	13:33:35	0.0750	0.000	72.401
2014/05/01	13:34:05	0.0833	59.091	72.385
2014/05/01	13:34:35	0.0917	59.089	72.288
2014/05/01	13:35:05	0.1000	59.317	71.352
2014/05/01	13:35:35	0.1083	59.790	69.319
2014/05/01	13:36:05	0.1167	60.354	67.978
2014/05/01	13:36:35	0.1250	60.753	67.456
2014/05/01	13:37:05	0.1333	61.190	67.741
2014/05/01	13:37:35	0.1417	61.641	69.114
2014/05/01	13:38:05	0.1500	62.055	71.146
2014/05/01	13:38:35	0.1583	62.472	73.413
2014/05/01	13:39:05	0.1667	62.981	77.108
2014/05/01	13:39:35	0.1750	63.418	80.980
2014/05/01	13:40:05	0.1833	63.831	85.012
2014/05/01	13:40:35	0.1917	64.241	89.526
2014/05/01	13:41:05	0.2000	69.124	97.588
2014/05/01	13:41:35	0.2083	69.129	102.781
2014/05/01	13:42:05	0.2167	69.278	105.778
2014/05/01	13:42:35	0.2250	69.351	107.665
2014/05/01	13:43:05	0.2333	69.401	109.141
2014/05/01	13:43:35	0.2417	69.444	110.107
2014/05/01	13:44:05	0.2500	69.455	110.759
2014/05/01	13:44:35	0.2583	69.523	111.238
2014/05/01	13:45:05	0.2667	69.551	111.578
2014/05/01	13:45:35	0.2750	69.539	111.823
2014/05/01	13:46:05	0.2833	69.557	112.015
2014/05/01	13:46:35	0.2917	69.564	112.109
2014/05/01	13:47:05	0.3000	69.602	112.186
2014/05/01	13:47:35	0.3083	69.604	112.251
2014/05/01	13:48:05	0.3167	69.598	112.298
2014/05/01	13:48:35	0.3250	69.596	112.332
2014/05/01	13:49:05	0.3333	69.586	112.383
2014/05/01	13:49:35	0.3417	69.596	112.444
2014/05/01	13:50:05	0.3500	69.607	112.473
2014/05/01	13:50:35	0.3583	69.606	112.489
2014/05/01	13:51:05	0.3667	69.609	112.500
2014/05/01	13:51:35	0.3750	69.621	112.509
2014/05/01	13:52:05	0.3833	69.620	112.527
2014/05/01	13:52:35	0.3917	69.616	112.548
2014/05/01	13:53:05	0.4000	69.615	112.566
2014/05/01	13:53:35	0.4083	69.613	112.582

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2014/05/01	13:54:05	0.4167	69.612	112.600
2014/05/01	13:54:35	0.4250	69.605	112.617
2014/05/01	13:55:05	0.4333	69.603	112.640
2014/05/01	13:55:35	0.4417	69.606	112.651
2014/05/01	13:56:05	0.4500	69.602	112.671
2014/05/01	13:56:35	0.4583	69.592	112.674
2014/05/01	13:57:05	0.4667	69.598	112.671
2014/05/01	13:57:35	0.4750	69.605	112.674
2014/05/01	13:58:05	0.4833	69.617	112.689
2014/05/01	13:58:35	0.4917	69.609	112.714
2014/05/01	13:59:05	0.5000	69.604	112.735
2014/05/01	13:59:35	0.5083	69.603	112.748
2014/05/01	14:00:05	0.5167	69.607	112.748
2014/05/01	14:00:35	0.5250	69.610	112.744
2014/05/01	14:01:05	0.5333	69.597	112.739
2014/05/01	14:01:35	0.5417	69.591	112.739
2014/05/01	14:02:05	0.5500	69.590	112.748
2014/05/01	14:02:35	0.5583	69.591	112.734
2014/05/01	14:03:05	0.5667	69.597	112.744
2014/05/01	14:03:35	0.5750	69.607	112.748
2014/05/01	14:04:05	0.5833	69.613	112.746
2014/05/01	14:04:35	0.5917	69.610	112.750
2014/05/01	14:05:05	0.6000	69.599	112.764
2014/05/01	14:05:35	0.6083	69.596	112.768
2014/05/01	14:06:05	0.6167	69.596	112.768
2014/05/01	14:06:35	0.6250	69.589	112.764
2014/05/01	14:07:05	0.6333	69.592	112.777
2014/05/01	14:07:35	0.6417	69.592	112.775
2014/05/01	14:08:05	0.6500	69.595	112.780
2014/05/01	14:08:35	0.6583	69.585	112.775
2014/05/01	14:09:05	0.6667	69.595	112.775
2014/05/01	14:09:35	0.6750	69.582	112.777
2014/05/01	14:10:05	0.6833	69.591	112.784
2014/05/01	14:10:35	0.6917	69.588	112.782
2014/05/01	14:11:05	0.7000	69.590	112.798
2014/05/01	14:11:35	0.7083	69.590	112.800
2014/05/01	14:12:05	0.7167	69.597	112.804
2014/05/01	14:12:35	0.7250	69.590	112.807
2014/05/01	14:13:05	0.7333	69.593	112.813
2014/05/01	14:13:35	0.7417	69.603	112.807
2014/05/01	14:14:05	0.7500	69.593	112.813
2014/05/01	14:14:35	0.7583	69.596	112.813
2014/05/01	14:15:05	0.7667	69.596	112.820
2014/05/01	14:15:35	0.7750	69.593	112.815
2014/05/01	14:16:05	0.7833	69.589	112.824
2014/05/01	14:16:35	0.7917	69.582	112.825
2014/05/01	14:17:05	0.8000	69.582	112.836
2014/05/01	14:17:35	0.8083	69.575	112.833
2014/05/01	14:18:05	0.8167	69.585	112.838
2014/05/01	14:18:35	0.8250	69.588	112.833

Company Name CONOCOPHILLIPS
Well Name SAN JUAN 30-5 UNIT 219
Type of Test POOH STATIC GRADIENT
Date(s) of Test 5/1/14

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2014/05/01	14:19:05	0.8333	69.588	112.838
2014/05/01	14:19:35	0.8417	69.588	112.833
2014/05/01	14:20:05	0.8500	69.592	112.827
2014/05/01	14:20:35	0.8583	69.595	112.825
2014/05/01	14:21:05	0.8667	69.595	112.831
2014/05/01	14:21:35	0.8750	69.585	112.834
2014/05/01	14:22:05	0.8833	69.588	112.834
2014/05/01	14:22:35	0.8917	69.588	112.834
2014/05/01	14:23:05	0.9000	69.604	112.842
2014/05/01	14:23:35	0.9083	69.603	112.854
2014/05/01	14:24:05	0.9167	69.583	112.861
2014/05/01	14:24:35	0.9250	69.593	112.867
2014/05/01	14:25:05	0.9333	69.592	112.881
2014/05/01	14:25:35	0.9417	69.586	112.874
2014/05/01	14:26:05	0.9500	69.586	112.867
2014/05/01	14:26:35	0.9583	69.586	112.872
2014/05/01	14:27:05	0.9667	69.593	112.869
2014/05/01	14:27:35	0.9750	69.586	112.870
2014/05/01	14:28:05	0.9833	69.586	112.878
2014/05/01	14:28:35	0.9917	69.593	112.865
2014/05/01	14:29:05	1.0000	69.590	112.865
2014/05/01	14:29:35	1.0083	69.577	112.856
2014/05/01	14:30:05	1.0167	69.584	112.856
2014/05/01	14:30:35	1.0250	69.577	112.860
2014/05/01	14:31:05	1.0333	69.577	112.858
2014/05/01	14:31:35	1.0417	69.580	112.860
2014/05/01	14:32:05	1.0500	69.577	112.860
2014/05/01	14:32:35	1.0583	69.577	112.865
2014/05/01	14:33:05	1.0667	69.588	112.887
2014/05/01	14:33:35	1.0750	69.584	112.897
2014/05/01	14:34:05	1.0833	69.591	112.892
2014/05/01	14:34:35	1.0917	69.588	112.894
2014/05/01	14:35:05	1.1000	69.585	112.892
2014/05/01	14:35:35	1.1083	69.579	112.883
2014/05/01	14:36:05	1.1167	69.575	112.881
2014/05/01	14:36:35	1.1250	69.572	112.887
2014/05/01	14:37:05	1.1333	69.572	112.887
2014/05/01	14:37:35	1.1417	69.571	112.897
2014/05/01	14:38:05	1.1500	69.575	112.888
2014/05/01	14:38:35	1.1583	69.575	112.888
2014/05/01	14:39:05	1.1667	69.582	112.888
2014/05/01	14:39:35	1.1750	69.582	112.885
2014/05/01	14:40:05	1.1833	69.576	112.881
2014/05/01	14:40:35	1.1917	69.572	112.894
POOH Gradient: 3070.000 ft				
2014/05/01	14:41:05	1.2000	69.571	112.901
2014/05/01	14:41:35	1.2083	63.285	112.806
2014/05/01	14:42:05	1.2167	63.023	112.377
2014/05/01	14:42:35	1.2250	62.767	111.673
2014/05/01	14:43:05	1.2333	62.555	110.788

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2014/05/01	14:43:35	1.2417	62.372	110.003
2014/05/01	14:44:05	1.2500	62.352	109.375
2014/05/01	14:44:35	1.2583	62.344	108.777
2014/05/01	14:45:05	1.2667	62.302	108.244
2014/05/01	14:45:35	1.2750	62.331	107.767
2014/05/01	14:46:05	1.2833	62.342	107.308
2014/05/01	14:46:35	1.2917	62.293	106.876
2014/05/01	14:47:05	1.3000	62.310	106.443
2014/05/01	14:47:35	1.3083	62.305	106.036
2014/05/01	14:48:05	1.3167	62.292	105.683
POOH Gradient: 2500.000 ft				
2014/05/01	14:48:15	1.3194	62.295	105.571
2014/05/01	14:48:35	1.3250	62.222	105.291
2014/05/01	14:49:05	1.3333	62.017	104.533
2014/05/01	14:49:35	1.3417	61.683	103.534
2014/05/01	14:50:05	1.3500	61.480	102.573
2014/05/01	14:50:35	1.3583	61.408	101.871
2014/05/01	14:51:05	1.3667	61.348	101.205
2014/05/01	14:51:35	1.3750	61.341	100.503
2014/05/01	14:52:05	1.3833	61.378	99.829
2014/05/01	14:52:35	1.3917	61.289	99.225
2014/05/01	14:53:05	1.4000	61.275	98.665
2014/05/01	14:53:35	1.4083	61.265	98.170
2014/05/01	14:54:05	1.4167	61.212	97.702
2014/05/01	14:54:35	1.4250	61.201	97.263
POOH Gradient: 2000.000 ft				
2014/05/01	14:55:05	1.4333	61.144	96.841
2014/05/01	14:55:35	1.4417	60.998	96.179
2014/05/01	14:56:05	1.4500	60.558	95.331
2014/05/01	14:56:35	1.4583	60.480	94.577
2014/05/01	14:57:05	1.4667	60.383	94.021
2014/05/01	14:57:35	1.4750	60.302	93.675
2014/05/01	14:58:05	1.4833	60.294	93.367
2014/05/01	14:58:35	1.4917	60.279	93.072
2014/05/01	14:59:05	1.5000	60.276	92.793
2014/05/01	14:59:35	1.5083	60.269	92.520
2014/05/01	15:00:05	1.5167	60.277	92.257
2014/05/01	15:00:35	1.5250	60.272	91.996
2014/05/01	15:01:05	1.5333	60.279	91.744
POOH Gradient: 1500.000 ft				
2014/05/01	15:01:35	1.5417	60.230	91.479
2014/05/01	15:02:05	1.5500	59.903	90.633
2014/05/01	15:02:35	1.5583	59.605	89.229
2014/05/01	15:03:05	1.5667	59.272	87.555
2014/05/01	15:03:35	1.5750	59.277	86.209
2014/05/01	15:04:05	1.5833	59.310	85.140
2014/05/01	15:04:35	1.5917	59.272	84.227
2014/05/01	15:05:05	1.6000	59.278	83.412
2014/05/01	15:05:35	1.6083	59.306	82.665
2014/05/01	15:06:05	1.6167	59.302	81.964

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 Date(s) of Test 5/1/14

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2014/05/01	15:06:35	1.6250	59.331	81.309
2014/05/01	15:07:05	1.6333	59.302	80.706
2014/05/01	15:07:35	1.6417	59.332	80.146
2014/05/01	15:08:05	1.6500	59.305	79.615
2014/05/01	15:08:35	1.6583	59.302	79.137
2014/05/01	15:09:05	1.6667	59.240	78.685
2014/05/01	15:09:35	1.6750	59.278	78.265
2014/05/01	15:10:05	1.6833	59.287	77.882
2014/05/01	15:10:35	1.6917	59.285	77.513
POOH Gradient: 1000.000 ft				
2014/05/01	15:10:45	1.6944	59.292	77.392
2014/05/01	15:11:05	1.7000	58.990	77.043
2014/05/01	15:11:35	1.7083	58.848	76.375
2014/05/01	15:12:05	1.7167	58.479	75.616
2014/05/01	15:12:35	1.7250	58.453	74.849
2014/05/01	15:13:05	1.7333	58.455	74.120
2014/05/01	15:13:35	1.7417	58.479	73.447
2014/05/01	15:14:05	1.7500	58.445	72.829
2014/05/01	15:14:35	1.7583	58.481	72.253
2014/05/01	15:15:05	1.7667	58.509	71.726
2014/05/01	15:15:35	1.7750	58.465	71.227
2014/05/01	15:16:05	1.7833	58.481	70.777
2014/05/01	15:16:35	1.7917	58.491	70.360
2014/05/01	15:17:05	1.8000	58.468	69.958
POOH Gradient: 500.000 ft				
2014/05/01	15:17:25	1.8056	58.485	69.699
2014/05/01	15:17:35	1.8083	58.317	69.562
2014/05/01	15:18:05	1.8167	58.007	69.008
2014/05/01	15:18:35	1.8250	57.715	68.382
2014/05/01	15:19:05	1.8333	57.626	67.726
2014/05/01	15:19:35	1.8417	57.578	67.554
2014/05/01	15:20:05	1.8500	57.559	67.554
2014/05/01	15:20:35	1.8583	57.519	67.586
2014/05/01	15:21:05	1.8667	57.515	67.618
2014/05/01	15:21:35	1.8750	57.514	67.653
2014/05/01	15:22:05	1.8833	57.510	67.685
2014/05/01	15:22:35	1.8917	57.509	67.721
2014/05/01	15:23:05	1.9000	57.505	67.753
2014/05/01	15:23:35	1.9083	57.502	67.782
2014/05/01	15:24:05	1.9167	57.499	67.804
2014/05/01	15:24:35	1.9250	57.486	67.842
2014/05/01	15:25:05	1.9333	57.490	67.887
POOH Gradient: 0.000 ft				
2014/05/01	15:25:10	1.9347	57.489	67.892
2014/05/01	15:25:35	1.9417	0.000	67.807
2014/05/01	15:26:05	1.9500	0.000	67.690
2014/05/01	15:26:35	1.9583	0.000	67.687
2014/05/01	15:27:05	1.9667	0.000	67.019
2014/05/01	15:27:35	1.9750	0.000	66.751
2014/05/01	15:28:05	1.9833	0.000	66.763

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2014/05/01	15:28:35	1.9917	0.000	66.925
2014/05/01	15:29:05	2.0000	0.000	67.248
2014/05/01	15:29:35	2.0083	0.000	67.467
2014/05/01	15:30:05	2.0167	0.000	67.833
2014/05/01	15:30:35	2.0250	0.000	68.196
2014/05/01	15:31:05	2.0333	0.000	68.587
2014/05/01	15:31:35	2.0417	0.000	69.019
2014/05/01	15:32:05	2.0500	0.000	69.469
2014/05/01	15:32:35	2.0583	0.000	69.957
2014/05/01	15:33:05	2.0667	0.000	70.446
2014/05/01	15:33:35	2.0750	0.000	70.900
2014/05/01	15:34:05	2.0833	0.000	71.299
2014/05/01	15:34:35	2.0917	0.000	71.650
2014/05/01	15:35:05	2.1000	0.000	71.807
2014/05/01	15:35:35	2.1083	0.000	71.881
2014/05/01	15:36:05	2.1167	0.000	71.955
2014/05/01	15:36:35	2.1250	0.000	72.120
2014/05/01	15:37:05	2.1333	0.000	72.270
2014/05/01	15:37:35	2.1417	0.000	72.243