

MAY 20 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	REESE MESA 8
Well Location	T32N, R8W, SEC. 12
Field and Pool	BASIN FRUITLAND COAL
Status (Oil, Gas, Water, Injection)	OBSERVATION
Perforated Intervals	3670-3966
Mid-point of Perforated Intervals (MPP)	
Drilling Rig Number	
Elevations	
Kelly Bushing (KB)	12
Casing Flange (CF)	
KB-CF	
Ground Level	7040
Plug Back Total Depth	4050
Total Depth	4050
Production Casing	8 5/8 TO 4040
Production Tubing	2 7/8 TO 3685

TEST INFORMATION

Type of Test	POOH STATIC GRADIENT
Date(s) of Test	5/8/15
Dead-weight Gauge Tubing Pressure	580
Dead-weight Gauge Casing Pressure	0
Shut-in Date (Duration)	
Date / Time on Bottom	5/8/15 @ 1212 HRS
Date / Time off Bottom	5/8/15 @ 1312 HRS
Probe Serial Number	5433
Probe Offset from End of Tool String	0-6000
Run Depth at Probe Pressure Port	3684

PRESSURE TEST RESULTS

Maximum Recorded Probe Pressure	627.0 psig
Maximum Recorded Probe Temperature	122.9 deg F
Final Buildup Pressure	
Gradient Survey Information	
Extrapolated Pressure to MPP	
Final Gradient at Depth	
Job Number	34988WP

Company Name	CONOCOPHILLIPS
Well Name	REESE MESA 8
Type of Test	POOH STATIC GRADIENT
Date(s) of Test	5/8/15

PROBE INFORMATION

Probe Serial Number 5433

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	REESE MESA 8
Type of Test	POOH STATIC GRADIENT
Date(s) of Test	5/8/15

COMMENTS

Reported By

PHOENIX SERVICES

RAN 1.75 GR TO 3690'-SET DOWN-RAN TANDEM BHP GAUGES TO 3684'-SET 1 HR-POOH MAKING GRADIENT STOPS.

Company Name	CONOCOPHILLIPS
Well Name	REESE MESA 8
Type of Test	POOH STATIC GRADIENT
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Pressure vs. Depth

Probe Serial Number 5433

		(ft)	(psig)	(psi/ft)	(deg F)	(deg F/ft)
1212	1312	3684.000	626.949	-	122.853	-
1312	1317	3500.000	624.389	0.0139	120.589	0.0123
1317	1322	3000.000	617.518	0.0137	111.364	0.0184
1322	1327	2500.000	609.898	0.0152	100.062	0.0226
1327	1332	2000.000	603.286	0.0132	90.694	0.0187
1332	1337	1500.000	595.837	0.0149	80.155	0.0211
1337	1342	1000.000	589.446	0.0128	72.302	0.0157
1342	1347	500.000	581.946	0.0150	64.089	0.0164
1347	1352	0.000	574.657	0.0146	68.464	-0.0088

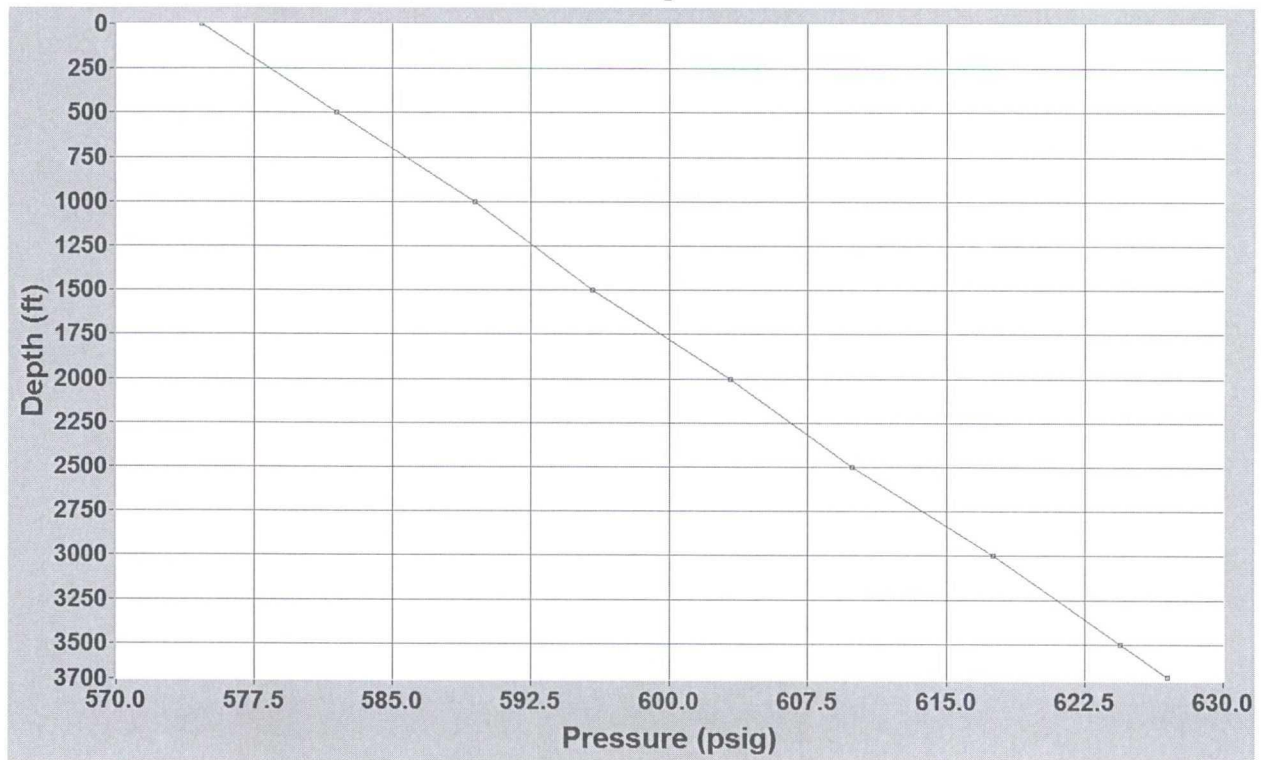
Extrapolated to MPP:

	(ft)	(psig)	(deg F)
	0.000		

Company Name CONOCOPHILLIPS
Well Name REESE MESA 8
Type of Test POOH STATIC GRADIENT
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Probe Serial Number 5433

POOH Gradient Depth vs. Pressure

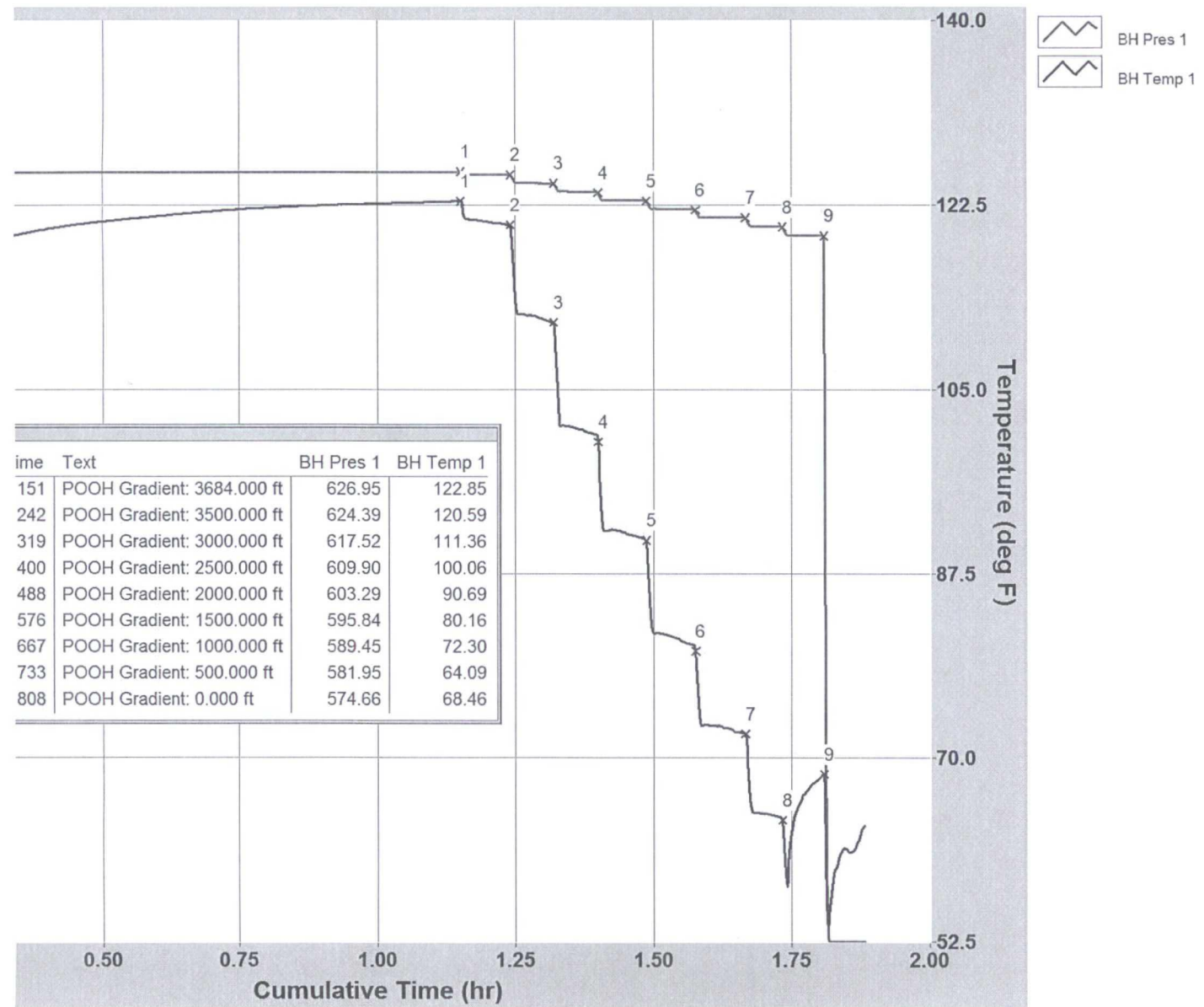


POOH Gradient Depth vs. Temperature



y Name CONOCOPHILLIPS
 me REESE MESA 8
 Test POOH STATIC GRADIENT
 of Test 5/8/15

Reese Mesa 8



Company Name CONOCOPHILLIPS
Well Name REESE MESA 8
Type of Test POOH STATIC GRADIENT
Date(s) of Test 5/8/15

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2015/05/08	12:03:05	0.0000	0.000	75.087
2015/05/08	12:03:35	0.0083	0.000	74.255
2015/05/08	12:04:05	0.0167	0.000	72.401
2015/05/08	12:04:35	0.0250	0.000	71.229
2015/05/08	12:05:05	0.0333	0.000	70.318
2015/05/08	12:05:35	0.0417	0.000	71.701
2015/05/08	12:06:05	0.0500	572.932	79.621
2015/05/08	12:06:35	0.0583	573.709	76.924
2015/05/08	12:07:05	0.0667	574.911	66.916
2015/05/08	12:07:35	0.0750	577.319	60.192
2015/05/08	12:08:05	0.0833	579.951	59.065
2015/05/08	12:08:35	0.0917	582.618	59.922
2015/05/08	12:09:05	0.1000	585.614	62.382
2015/05/08	12:09:35	0.1083	588.767	65.667
2015/05/08	12:10:05	0.1167	591.678	68.734
2015/05/08	12:10:35	0.1250	594.912	72.399
2015/05/08	12:11:05	0.1333	598.382	76.813
2015/05/08	12:11:35	0.1417	602.427	82.323
2015/05/08	12:12:05	0.1500	606.900	88.567
2015/05/08	12:12:35	0.1583	611.553	95.437
2015/05/08	12:13:05	0.1667	615.953	103.359
2015/05/08	12:13:35	0.1750	620.690	111.009
2015/05/08	12:14:05	0.1833	624.644	119.638
2015/05/08	12:14:35	0.1917	624.750	119.325
2015/05/08	12:15:05	0.2000	625.288	118.402
2015/05/08	12:15:35	0.2083	625.573	118.173
2015/05/08	12:16:05	0.2167	625.868	118.141
2015/05/08	12:16:35	0.2250	626.017	118.240
2015/05/08	12:17:05	0.2333	626.189	118.339
2015/05/08	12:17:35	0.2417	626.257	118.542
2015/05/08	12:18:05	0.2500	626.313	118.652
2015/05/08	12:18:35	0.2583	626.434	118.686
2015/05/08	12:19:05	0.2667	626.492	118.783
2015/05/08	12:19:35	0.2750	626.516	118.906
2015/05/08	12:20:05	0.2833	626.550	118.976
2015/05/08	12:20:35	0.2917	626.556	119.043
2015/05/08	12:21:05	0.3000	626.623	119.172
2015/05/08	12:21:35	0.3083	626.631	119.260
2015/05/08	12:22:05	0.3167	626.648	119.390
2015/05/08	12:22:35	0.3250	626.692	119.507
2015/05/08	12:23:05	0.3333	626.674	119.565
2015/05/08	12:23:35	0.3417	626.708	119.631
2015/05/08	12:24:05	0.3500	626.704	119.721
2015/05/08	12:24:35	0.3583	626.699	119.808
2015/05/08	12:25:05	0.3667	626.756	119.901
2015/05/08	12:25:35	0.3750	626.731	119.984
2015/05/08	12:26:05	0.3833	626.736	120.054
2015/05/08	12:26:35	0.3917	626.776	120.121
2015/05/08	12:27:05	0.4000	626.774	120.209
2015/05/08	12:27:35	0.4083	626.782	120.288

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2015/05/08	12:28:05	0.4167	626.770	120.357
2015/05/08	12:28:35	0.4250	626.745	120.423
2015/05/08	12:29:05	0.4333	626.757	120.484
2015/05/08	12:29:35	0.4417	626.793	120.553
2015/05/08	12:30:05	0.4500	626.791	120.603
2015/05/08	12:30:35	0.4583	626.801	120.668
2015/05/08	12:31:05	0.4667	626.787	120.713
2015/05/08	12:31:35	0.4750	626.822	120.772
2015/05/08	12:32:05	0.4833	626.771	120.832
2015/05/08	12:32:35	0.4917	626.789	120.879
2015/05/08	12:33:05	0.5000	626.790	120.911
2015/05/08	12:33:35	0.5083	626.813	120.945
2015/05/08	12:34:05	0.5167	626.832	121.014
2015/05/08	12:34:35	0.5250	626.782	121.055
2015/05/08	12:35:05	0.5333	626.780	121.095
2015/05/08	12:35:35	0.5417	626.805	121.143
2015/05/08	12:36:05	0.5500	626.822	121.195
2015/05/08	12:36:35	0.5583	626.830	121.224
2015/05/08	12:37:05	0.5667	626.826	121.262
2015/05/08	12:37:35	0.5750	626.829	121.293
2015/05/08	12:38:05	0.5833	626.841	121.339
2015/05/08	12:38:35	0.5917	626.858	121.392
2015/05/08	12:39:05	0.6000	626.852	121.422
2015/05/08	12:39:35	0.6083	626.831	121.483
2015/05/08	12:40:05	0.6167	626.843	121.507
2015/05/08	12:40:35	0.6250	626.852	121.552
2015/05/08	12:41:05	0.6333	626.867	121.608
2015/05/08	12:41:35	0.6417	626.832	121.645
2015/05/08	12:42:05	0.6500	626.844	121.672
2015/05/08	12:42:35	0.6583	626.832	121.710
2015/05/08	12:43:05	0.6667	626.839	121.746
2015/05/08	12:43:35	0.6750	626.851	121.789
2015/05/08	12:44:05	0.6833	626.856	121.833
2015/05/08	12:44:35	0.6917	626.852	121.861
2015/05/08	12:45:05	0.7000	626.856	121.894
2015/05/08	12:45:35	0.7083	626.864	121.919
2015/05/08	12:46:05	0.7167	626.871	121.957
2015/05/08	12:46:35	0.7250	626.883	121.996
2015/05/08	12:47:05	0.7333	626.887	122.023
2015/05/08	12:47:35	0.7417	626.898	122.038
2015/05/08	12:48:05	0.7500	626.883	122.063
2015/05/08	12:48:35	0.7583	626.872	122.094
2015/05/08	12:49:05	0.7667	626.865	122.148
2015/05/08	12:49:35	0.7750	626.875	122.149
2015/05/08	12:50:05	0.7833	626.875	122.171
2015/05/08	12:50:35	0.7917	626.889	122.189
2015/05/08	12:51:05	0.8000	626.891	122.214
2015/05/08	12:51:35	0.8083	626.872	122.248
2015/05/08	12:52:05	0.8167	626.870	122.263
2015/05/08	12:52:35	0.8250	626.873	122.290

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Date(s) of Test 5/8/15

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2015/05/08	12:53:05	0.8333	626.879	122.293
2015/05/08	12:53:35	0.8417	626.888	122.329
2015/05/08	12:54:05	0.8500	626.892	122.346
2015/05/08	12:54:35	0.8583	626.891	122.367
2015/05/08	12:55:05	0.8667	626.898	122.382
2015/05/08	12:55:35	0.8750	626.901	122.396
2015/05/08	12:56:05	0.8833	626.899	122.414
2015/05/08	12:56:35	0.8917	626.897	122.430
2015/05/08	12:57:05	0.9000	626.898	122.448
2015/05/08	12:57:35	0.9083	626.900	122.472
2015/05/08	12:58:05	0.9167	626.896	122.488
2015/05/08	12:58:35	0.9250	626.908	122.500
2015/05/08	12:59:05	0.9333	626.906	122.524
2015/05/08	12:59:35	0.9417	626.904	122.540
2015/05/08	13:00:05	0.9500	626.911	122.549
2015/05/08	13:00:35	0.9583	626.893	122.569
2015/05/08	13:01:05	0.9667	626.911	122.576
2015/05/08	13:01:35	0.9750	626.920	122.601
2015/05/08	13:02:05	0.9833	626.921	122.614
2015/05/08	13:02:35	0.9917	626.922	122.626
2015/05/08	13:03:05	1.0000	626.923	122.635
2015/05/08	13:03:35	1.0083	626.923	122.646
2015/05/08	13:04:05	1.0167	626.916	122.653
2015/05/08	13:04:35	1.0250	626.917	122.677
2015/05/08	13:05:05	1.0333	626.930	122.697
2015/05/08	13:05:35	1.0417	626.934	122.707
2015/05/08	13:06:05	1.0500	626.937	122.716
2015/05/08	13:06:35	1.0583	626.936	122.727
2015/05/08	13:07:05	1.0667	626.938	122.733
2015/05/08	13:07:35	1.0750	626.939	122.747
2015/05/08	13:08:05	1.0833	626.944	122.751
2015/05/08	13:08:35	1.0917	626.938	122.770
2015/05/08	13:09:05	1.1000	626.937	122.790
2015/05/08	13:09:35	1.1083	626.931	122.787
2015/05/08	13:10:05	1.1167	626.931	122.806
2015/05/08	13:10:35	1.1250	626.942	122.817
2015/05/08	13:11:05	1.1333	626.949	122.819
2015/05/08	13:11:35	1.1417	626.948	122.841
2015/05/08	13:12:05	1.1500	626.952	122.853
POOH Gradient: 3684.000 ft				
2015/05/08	13:12:10	1.1514	626.949	122.853
2015/05/08	13:12:35	1.1583	624.549	121.282
2015/05/08	13:13:05	1.1667	624.476	121.111
2015/05/08	13:13:35	1.1750	624.452	121.087
2015/05/08	13:14:05	1.1833	624.432	121.030
2015/05/08	13:14:35	1.1917	624.440	120.972
2015/05/08	13:15:05	1.2000	624.409	120.900
2015/05/08	13:15:35	1.2083	624.405	120.817
2015/05/08	13:16:05	1.2167	624.393	120.753
2015/05/08	13:16:35	1.2250	624.395	120.735

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2015/05/08	13:17:05	1.2333	624.389	120.645
POOH Gradient: 3500.000 ft				
2015/05/08	13:17:35	1.2417	624.389	120.589
2015/05/08	13:18:05	1.2500	618.533	113.659
2015/05/08	13:18:35	1.2583	617.943	112.174
2015/05/08	13:19:05	1.2667	617.837	112.143
2015/05/08	13:19:35	1.2750	617.731	112.053
2015/05/08	13:20:05	1.2833	617.688	112.041
2015/05/08	13:20:35	1.2917	617.624	111.848
2015/05/08	13:21:05	1.3000	617.580	111.713
2015/05/08	13:21:35	1.3083	617.619	111.560
2015/05/08	13:22:05	1.3167	617.576	111.385
POOH Gradient: 3000.000 ft				
2015/05/08	13:22:15	1.3194	617.518	111.364
2015/05/08	13:22:35	1.3250	613.566	106.473
2015/05/08	13:23:05	1.3333	611.034	101.532
2015/05/08	13:23:35	1.3417	611.039	101.541
2015/05/08	13:24:05	1.3500	610.880	101.473
2015/05/08	13:24:35	1.3583	610.771	101.338
2015/05/08	13:25:05	1.3667	610.719	101.226
2015/05/08	13:25:35	1.3750	610.706	101.064
2015/05/08	13:26:05	1.3833	610.621	100.897
2015/05/08	13:26:35	1.3917	610.575	100.787
POOH Gradient: 2500.000 ft				
2015/05/08	13:27:05	1.4000	609.898	100.062
2015/05/08	13:27:35	1.4083	604.110	92.052
2015/05/08	13:28:05	1.4167	604.063	91.603
2015/05/08	13:28:35	1.4250	603.833	91.715
2015/05/08	13:29:05	1.4333	603.732	91.641
2015/05/08	13:29:35	1.4417	603.660	91.555
2015/05/08	13:30:05	1.4500	603.597	91.364
2015/05/08	13:30:35	1.4583	603.620	91.207
2015/05/08	13:31:05	1.4667	603.638	91.117
2015/05/08	13:31:35	1.4750	603.571	90.993
2015/05/08	13:32:05	1.4833	603.558	90.869
POOH Gradient: 2000.000 ft				
2015/05/08	13:32:20	1.4875	603.286	90.694
2015/05/08	13:32:35	1.4917	599.867	86.410
2015/05/08	13:33:05	1.5000	596.796	81.889
2015/05/08	13:33:35	1.5083	596.801	81.898
2015/05/08	13:34:05	1.5167	596.726	81.837
2015/05/08	13:34:35	1.5250	596.599	81.667
2015/05/08	13:35:05	1.5333	596.604	81.581
2015/05/08	13:35:35	1.5417	596.583	81.417
2015/05/08	13:36:05	1.5500	596.599	81.135
2015/05/08	13:36:35	1.5583	596.535	80.983
2015/05/08	13:37:05	1.5667	596.588	80.838
2015/05/08	13:37:35	1.5750	596.535	80.692
POOH Gradient: 1500.000 ft				
2015/05/08	13:37:40	1.5764	595.837	80.155

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Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2015/05/08	13:38:05	1.5833	590.099	74.026
2015/05/08	13:38:35	1.5917	589.733	73.114
2015/05/08	13:39:05	1.6000	589.646	73.110
2015/05/08	13:39:35	1.6083	589.555	73.040
2015/05/08	13:40:05	1.6167	589.549	73.024
2015/05/08	13:40:35	1.6250	589.539	72.954
2015/05/08	13:41:05	1.6333	589.497	72.804
2015/05/08	13:41:35	1.6417	589.529	72.696
2015/05/08	13:42:05	1.6500	589.532	72.459
2015/05/08	13:42:35	1.6583	589.511	72.406
POOH Gradient: 1000.000 ft				
2015/05/08	13:43:05	1.6667	589.446	72.302
2015/05/08	13:43:35	1.6750	583.439	66.211
2015/05/08	13:44:05	1.6833	582.612	64.796
2015/05/08	13:44:35	1.6917	582.568	64.751
2015/05/08	13:45:05	1.7000	582.447	64.683
2015/05/08	13:45:35	1.7083	582.431	64.641
2015/05/08	13:46:05	1.7167	582.414	64.540
2015/05/08	13:46:35	1.7250	582.406	64.425
POOH Gradient: 500.000 ft				
2015/05/08	13:47:05	1.7333	581.946	64.089
2015/05/08	13:47:35	1.7417	575.421	57.776
2015/05/08	13:48:05	1.7500	575.321	62.843
2015/05/08	13:48:35	1.7583	575.261	64.927
2015/05/08	13:49:05	1.7667	575.205	65.937
2015/05/08	13:49:35	1.7750	575.140	66.623
2015/05/08	13:50:05	1.7833	575.127	67.302
2015/05/08	13:50:35	1.7917	575.076	67.656
2015/05/08	13:51:05	1.8000	575.068	67.964
POOH Gradient: 0.000 ft				
2015/05/08	13:51:35	1.8083	574.657	68.464
2015/05/08	13:52:05	1.8167	0.000	54.253
2015/05/08	13:52:35	1.8250	0.000	58.332
2015/05/08	13:53:05	1.8333	0.000	59.999
2015/05/08	13:53:35	1.8417	0.000	61.174
2015/05/08	13:54:05	1.8500	0.000	61.308
2015/05/08	13:54:35	1.8583	0.000	61.027
2015/05/08	13:55:05	1.8667	0.000	61.572
2015/05/08	13:55:35	1.8750	0.000	62.818