

San Juan 31-6 Unit #205
API # 30-039-24486
BP

Pressure Test Report

COMPANY INFORMATION

Company Name	ConocoPhillips
Representative	Priscilla Shorty
Phone	
Fax	
Address	

E-Mail Address	
Service Company	Expert Downhole Services, Inc.

WELL INFORMATION

Well Name	San Juan 31-6 Unit #205
Well Location	T30N, R6W, Sec. 4
Field and Pool	Basin Fruitland Coal
Status (Oil, Gas, Water, Injection)	Observation
Perforated Intervals	2148-3208
Mid-point of Perforated Intervals (MPP)	
Drilling Rig Number	
Elevations	
Kelly Bushing (KB)	13
Casing Flange (CF)	
KB-CF	
Ground Level	6441
Plug Back Total Depth	3282
Total Depth	3282
Production Casing	5 1/2 to 3282
Production Tubing	2 3/8 to 3198

OIL CONS. DIV DIST. 3
MAY 18 2017

TEST INFORMATION

Type of Test	POOH Static Gradient
Date(s) of Test	5/16/2017
Dead-weight Gauge Tubing Pressure	100
Dead-weight Gauge Casing Pressure	
Shut-in Date (Duration)	
Date / Time on Bottom	5/16/17 @1052
Date / Time off Bottom	5/16/17 @1152
Probe Serial Number	W1036
Probe Offset from End of Tool String	0-6000
Run Depth at Probe Pressure Port	3262

PRESSURE TEST RESULTS

Maximum Recorded Probe Pressure	105.1 psig
Maximum Recorded Probe Temperature	113.8 deg F
Final Buildup Pressure	
Gradient Survey Information	
Extrapolated Pressure to MPP	
Final Gradient at Depth	
Job Number	

AV NMCD TA Expires
4-1-2020

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Company Name ConocoPhillips
Well Name San Juan 31-6 Unit #205
Type of Test POOH Static Gradient
Date(s) of Test 5/16/2017



PROBE INFORMATION

Probe Serial Number W1036
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
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Date(s) of Test	5/16/2017



COMMENTS

Reported By

Expert Downhole Services, Inc.

RIH with 1.50 Impression Block and tagged fill @ 3262 WLM. RIH with BHP gauge to 3260 WLM for 1 hour, then POOH making 5 minute gradient stops per request.

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Pressure vs. Depth

Probe Serial Number W1036

		(ft)	(psig)	(psi/ft)	(deg F)	(deg F/ft)
		3260.000	93.873	-	113.828	-
1052	1152	3260.000	105.062	-	94.584	-
1153	1158	3000.000	92.904	0.0468	113.400	-0.0724
1159	1204	2500.000	91.856	0.0021	109.252	0.0083
1205	1210	2000.000	90.804	0.0021	102.094	0.0143
1210	1215	1500.000	89.760	0.0021	94.732	0.0147
1216	1221	1000.000	88.714	0.0021	85.354	0.0188
1222	1227	500.000	87.647	0.0021	78.726	0.0133
1228	1233	0.000	86.587	0.0021	70.414	0.0166

Extrapolated to MPP:

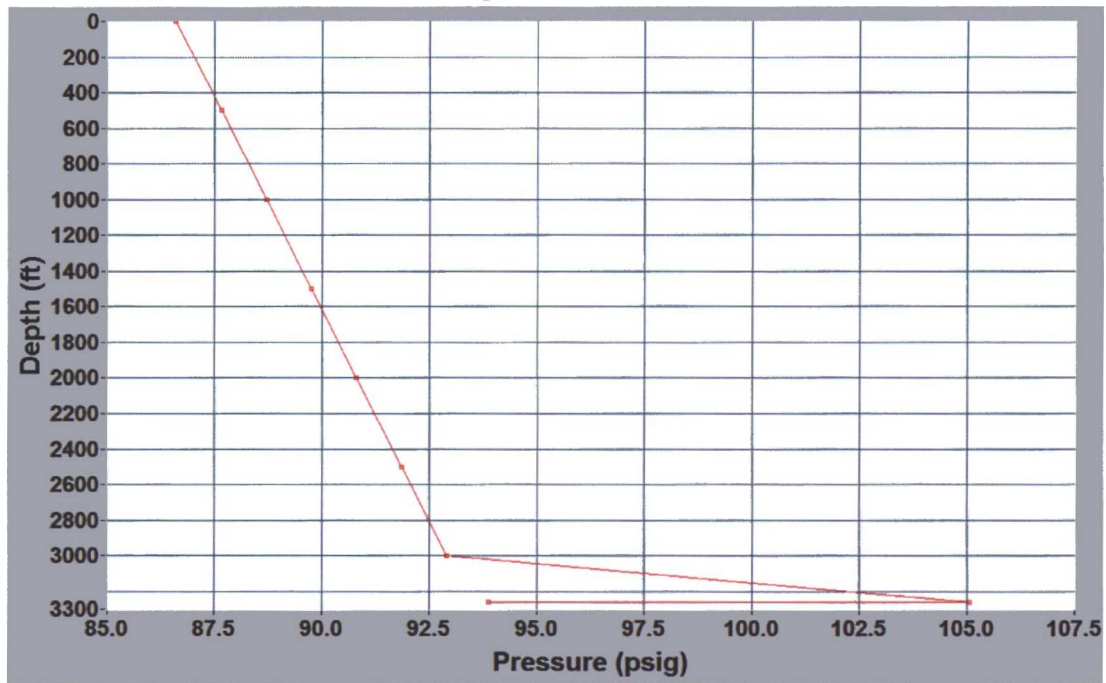
(ft)	(psig)	(deg F)
0.000		

Company Name ConocoPhillips
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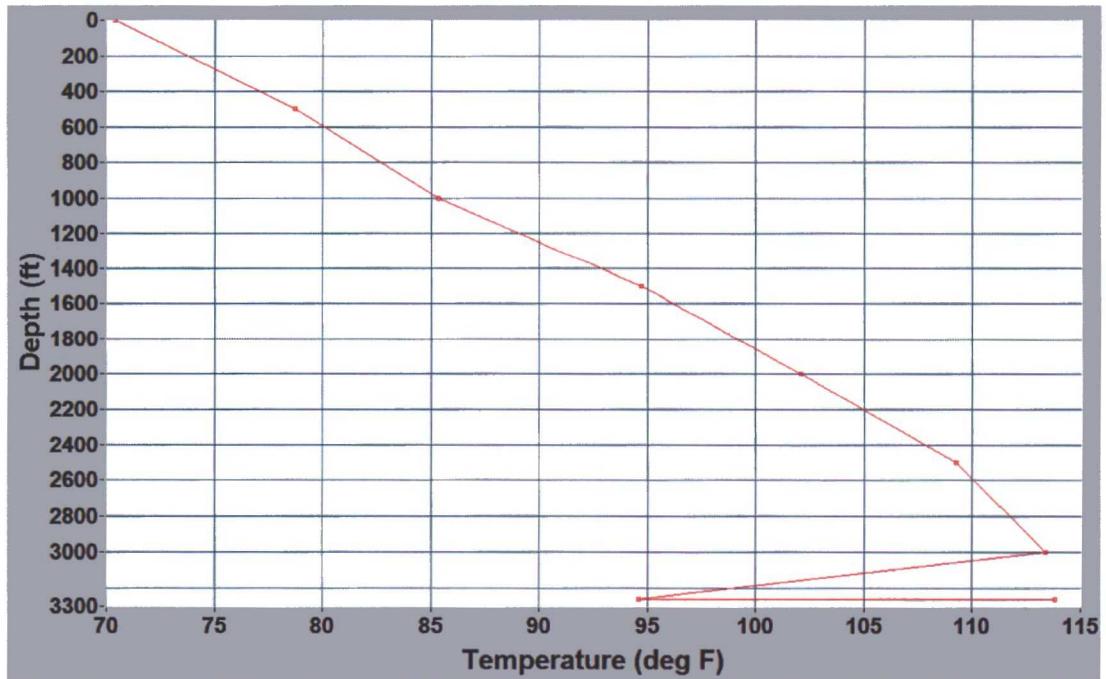


Probe Serial Number W1036

W1036 Depth vs. Pressure



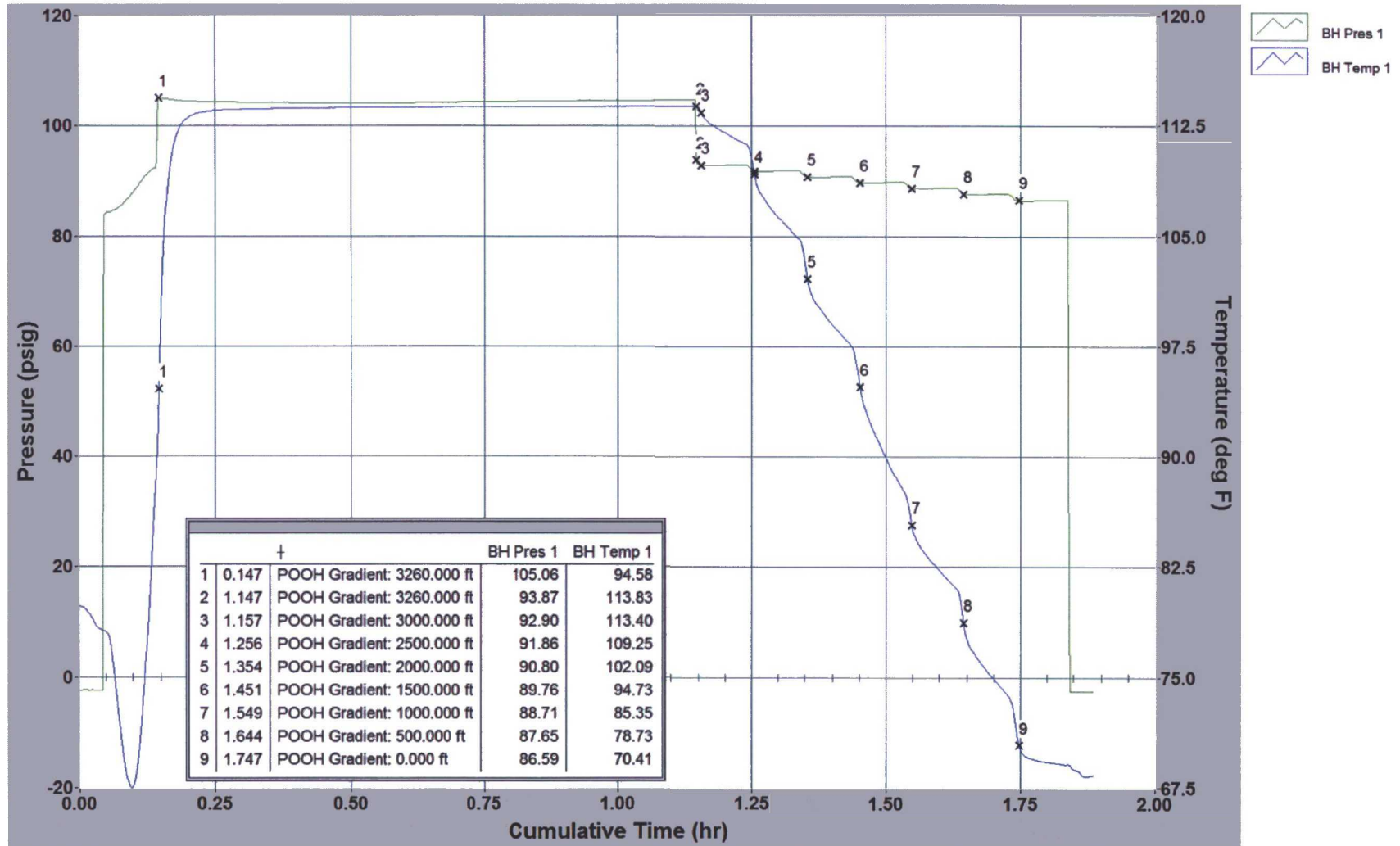
W1036 Depth vs. Temperature



Company Name ConocoPhillips
 Well Name San Juan 31-6 Unit #205
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 Date(s) of Test 5/16/2017



San Juan 31-6 Unit #205



Company Name ConocoPhillips
Well Name San Juan 31-6 Unit #205
Type of Test POOH Static Gradient
Date(s) of Test 5/16/2017



Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2017/05/16	10:43:50	0.0000	-2.332	79.822
2017/05/16	10:44:20	0.0083	-2.320	79.711
2017/05/16	10:44:50	0.0167	-2.349	79.385
2017/05/16	10:45:20	0.0250	-2.328	78.883
2017/05/16	10:45:50	0.0333	-2.387	78.408
2017/05/16	10:46:20	0.0417	-2.383	78.211
2017/05/16	10:46:50	0.0500	84.217	78.066
2017/05/16	10:47:20	0.0583	84.461	77.040
2017/05/16	10:47:50	0.0667	84.882	74.491
2017/05/16	10:48:20	0.0750	85.391	71.839
2017/05/16	10:48:50	0.0833	86.175	69.345
2017/05/16	10:49:20	0.0917	87.040	67.775
2017/05/16	10:49:50	0.1000	88.048	67.669
2017/05/16	10:50:20	0.1083	89.134	69.301
2017/05/16	10:50:50	0.1167	90.180	72.667
2017/05/16	10:51:20	0.1250	91.219	77.364
2017/05/16	10:51:50	0.1333	92.051	83.061
2017/05/16	10:52:20	0.1417	92.375	88.776
POOH Gradient: 3260.000 ft				
2017/05/16	10:52:40	0.1472	105.062	94.584
2017/05/16	10:52:50	0.1500	105.001	98.533
2017/05/16	10:53:20	0.1583	104.902	106.039
2017/05/16	10:53:50	0.1667	104.756	109.555
2017/05/16	10:54:20	0.1750	104.671	111.295
2017/05/16	10:54:50	0.1833	104.602	112.213
2017/05/16	10:55:20	0.1917	104.515	112.732
2017/05/16	10:55:50	0.2000	104.477	113.036
2017/05/16	10:56:20	0.2083	104.447	113.221
2017/05/16	10:56:50	0.2167	104.410	113.338
2017/05/16	10:57:20	0.2250	104.392	113.410
2017/05/16	10:57:50	0.2333	104.364	113.461
2017/05/16	10:58:20	0.2417	104.345	113.502
2017/05/16	10:58:50	0.2500	104.327	113.533
2017/05/16	10:59:20	0.2583	104.323	113.551
2017/05/16	10:59:50	0.2667	104.311	113.572
2017/05/16	11:00:20	0.2750	104.293	113.585
2017/05/16	11:00:50	0.2833	104.284	113.598
2017/05/16	11:01:20	0.2917	104.272	113.608
2017/05/16	11:01:50	0.3000	104.255	113.617
2017/05/16	11:02:20	0.3083	104.248	113.630
2017/05/16	11:02:50	0.3167	104.237	113.637
2017/05/16	11:03:20	0.3250	104.225	113.643
2017/05/16	11:03:50	0.3333	104.216	113.652
2017/05/16	11:04:20	0.3417	104.197	113.652
2017/05/16	11:04:50	0.3500	104.182	113.661
2017/05/16	11:05:20	0.3583	104.176	113.664
2017/05/16	11:05:50	0.3667	104.170	113.670
2017/05/16	11:06:20	0.3750	104.162	113.675
2017/05/16	11:06:50	0.3833	104.150	113.675
2017/05/16	11:07:20	0.3917	104.136	113.686
2017/05/16	11:07:50	0.4000	104.124	113.686
2017/05/16	11:08:20	0.4083	104.110	113.689
2017/05/16	11:08:50	0.4167	104.107	113.691
2017/05/16	11:09:20	0.4250	104.104	113.700

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2017/05/16	11:09:50	0.4333	104.092	113.704
2017/05/16	11:10:20	0.4417	104.084	113.706
2017/05/16	11:10:50	0.4500	104.078	113.707
2017/05/16	11:11:20	0.4583	104.064	113.709
2017/05/16	11:11:50	0.4667	104.061	113.707
2017/05/16	11:12:20	0.4750	104.052	113.715
2017/05/16	11:12:50	0.4833	104.052	113.716
2017/05/16	11:13:20	0.4917	104.041	113.724
2017/05/16	11:13:50	0.5000	104.041	113.722
2017/05/16	11:14:20	0.5083	104.029	113.724
2017/05/16	11:14:50	0.5167	104.032	113.725
2017/05/16	11:15:20	0.5250	104.029	113.731
2017/05/16	11:15:50	0.5333	104.026	113.729
2017/05/16	11:16:20	0.5417	104.037	113.733
2017/05/16	11:16:50	0.5500	104.065	113.740
2017/05/16	11:17:20	0.5583	104.082	113.742
2017/05/16	11:17:50	0.5667	104.079	113.742
2017/05/16	11:18:20	0.5750	104.087	113.747
2017/05/16	11:18:50	0.5833	104.099	113.742
2017/05/16	11:19:20	0.5917	104.107	113.745
2017/05/16	11:19:50	0.6000	104.121	113.747
2017/05/16	11:20:20	0.6083	104.135	113.745
2017/05/16	11:20:50	0.6167	104.146	113.752
2017/05/16	11:21:20	0.6250	104.152	113.754
2017/05/16	11:21:50	0.6333	104.189	113.752
2017/05/16	11:22:20	0.6417	104.197	113.760
2017/05/16	11:22:50	0.6500	104.208	113.758
2017/05/16	11:23:20	0.6583	104.213	113.761
2017/05/16	11:23:50	0.6667	104.225	113.756
2017/05/16	11:24:20	0.6750	104.242	113.763
2017/05/16	11:24:50	0.6833	104.250	113.767
2017/05/16	11:25:20	0.6917	104.261	113.769
2017/05/16	11:25:50	0.7000	104.275	113.763
2017/05/16	11:26:20	0.7083	104.281	113.772
2017/05/16	11:26:50	0.7167	104.295	113.767
2017/05/16	11:27:20	0.7250	104.300	113.774
2017/05/16	11:27:50	0.7333	104.320	113.767
2017/05/16	11:28:20	0.7417	104.328	113.776
2017/05/16	11:28:50	0.7500	104.337	113.776
2017/05/16	11:29:20	0.7583	104.348	113.774
2017/05/16	11:29:50	0.7667	104.351	113.779
2017/05/16	11:30:20	0.7750	104.368	113.776
2017/05/16	11:30:50	0.7833	104.376	113.778
2017/05/16	11:31:20	0.7917	104.390	113.779
2017/05/16	11:31:50	0.8000	104.398	113.781
2017/05/16	11:32:20	0.8083	104.401	113.785
2017/05/16	11:32:50	0.8167	104.409	113.787
2017/05/16	11:33:20	0.8250	104.446	113.790
2017/05/16	11:33:50	0.8333	104.454	113.790
2017/05/16	11:34:20	0.8417	104.454	113.796
2017/05/16	11:34:50	0.8500	104.463	113.788
2017/05/16	11:35:20	0.8583	104.471	113.799
2017/05/16	11:35:50	0.8667	104.488	113.794
2017/05/16	11:36:20	0.8750	104.494	113.794

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Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2017/05/16	11:36:50	0.8833	104.496	113.796
2017/05/16	11:37:20	0.8917	104.499	113.792
2017/05/16	11:37:50	0.9000	104.527	113.799
2017/05/16	11:38:20	0.9083	104.527	113.799
2017/05/16	11:38:50	0.9167	104.535	113.803
2017/05/16	11:39:20	0.9250	104.541	113.797
2017/05/16	11:39:50	0.9333	104.547	113.803
2017/05/16	11:40:20	0.9417	104.558	113.797
2017/05/16	11:40:50	0.9500	104.564	113.801
2017/05/16	11:41:20	0.9583	104.563	113.808
2017/05/16	11:41:50	0.9667	104.575	113.808
2017/05/16	11:42:20	0.9750	104.577	113.812
2017/05/16	11:42:50	0.9833	104.586	113.812
2017/05/16	11:43:20	0.9917	104.594	113.808
2017/05/16	11:43:50	1.0000	104.605	113.814
2017/05/16	11:44:20	1.0083	104.619	113.810
2017/05/16	11:44:50	1.0167	104.630	113.819
2017/05/16	11:45:20	1.0250	104.639	113.819
2017/05/16	11:45:50	1.0333	104.639	113.819
2017/05/16	11:46:20	1.0417	104.645	113.817
2017/05/16	11:46:50	1.0500	104.639	113.819
2017/05/16	11:47:20	1.0583	104.653	113.819
2017/05/16	11:47:50	1.0667	104.670	113.817
2017/05/16	11:48:20	1.0750	104.673	113.819
2017/05/16	11:48:50	1.0833	104.707	113.814
2017/05/16	11:49:20	1.0917	104.707	113.815
2017/05/16	11:49:50	1.1000	104.712	113.824
2017/05/16	11:50:20	1.1083	104.714	113.828
2017/05/16	11:50:50	1.1167	104.718	113.821
2017/05/16	11:51:20	1.1250	104.720	113.823
2017/05/16	11:51:50	1.1333	104.723	113.828
2017/05/16	11:52:20	1.1417	104.731	113.824
POOH Gradient: 3260.000 ft				
2017/05/16	11:52:40	1.1472	93.873	113.828
2017/05/16	11:52:50	1.1500	93.277	113.815
POOH Gradient: 3000.000 ft				
2017/05/16	11:53:15	1.1569	92.904	113.400
2017/05/16	11:53:20	1.1583	92.889	113.275
2017/05/16	11:53:50	1.1667	92.898	112.847
2017/05/16	11:54:20	1.1750	92.883	112.613
2017/05/16	11:54:50	1.1833	92.884	112.420
2017/05/16	11:55:20	1.1917	92.908	112.237
2017/05/16	11:55:50	1.2000	92.926	112.057
2017/05/16	11:56:20	1.2083	92.952	111.880
2017/05/16	11:56:50	1.2167	92.974	111.715
2017/05/16	11:57:20	1.2250	93.003	111.540
2017/05/16	11:57:50	1.2333	93.035	111.400
2017/05/16	11:58:20	1.2417	92.975	111.247
2017/05/16	11:58:50	1.2500	92.184	110.395
POOH Gradient: 2500.000 ft				
2017/05/16	11:59:10	1.2556	91.856	109.252
2017/05/16	11:59:20	1.2583	91.881	108.754
2017/05/16	11:59:50	1.2667	91.857	107.967
2017/05/16	12:00:20	1.2750	91.852	107.474

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2017/05/16	12:00:50	1.2833	91.868	107.064
2017/05/16	12:01:20	1.2917	91.885	106.689
2017/05/16	12:01:50	1.3000	91.896	106.333
2017/05/16	12:02:20	1.3083	91.905	105.989
2017/05/16	12:02:50	1.3167	91.919	105.663
2017/05/16	12:03:20	1.3250	91.938	105.341
2017/05/16	12:03:50	1.3333	91.942	105.037
2017/05/16	12:04:20	1.3417	91.652	104.707
2017/05/16	12:04:50	1.3500	90.931	103.136
POOH Gradient: 2000.000 ft				
2017/05/16	12:05:05	1.3542	90.804	102.094
2017/05/16	12:05:20	1.3583	90.797	101.408
2017/05/16	12:05:50	1.3667	90.768	100.692
2017/05/16	12:06:20	1.3750	90.784	100.206
2017/05/16	12:06:50	1.3833	90.794	99.790
2017/05/16	12:07:20	1.3917	90.828	99.397
2017/05/16	12:07:50	1.4000	90.843	99.025
2017/05/16	12:08:20	1.4083	90.863	98.672
2017/05/16	12:08:50	1.4167	90.868	98.325
2017/05/16	12:09:20	1.4250	90.875	97.986
2017/05/16	12:09:50	1.4333	90.889	97.666
2017/05/16	12:10:20	1.4417	90.419	97.077
2017/05/16	12:10:50	1.4500	89.761	95.079
POOH Gradient: 1500.000 ft				
2017/05/16	12:10:55	1.4514	89.760	94.732
2017/05/16	12:11:20	1.4583	89.728	93.594
2017/05/16	12:11:50	1.4667	89.689	92.721
2017/05/16	12:12:20	1.4750	89.709	91.963
2017/05/16	12:12:50	1.4833	89.731	91.254
2017/05/16	12:13:20	1.4917	89.772	90.574
2017/05/16	12:13:50	1.5000	89.788	89.935
2017/05/16	12:14:20	1.5083	89.827	89.334
2017/05/16	12:14:50	1.5167	89.800	88.752
2017/05/16	12:15:20	1.5250	89.810	88.209
2017/05/16	12:15:50	1.5333	89.845	87.694
2017/05/16	12:16:20	1.5417	89.119	86.806
POOH Gradient: 1000.000 ft				
2017/05/16	12:16:45	1.5486	88.714	85.354
2017/05/16	12:16:50	1.5500	88.651	85.089
2017/05/16	12:17:20	1.5583	88.694	84.220
2017/05/16	12:17:50	1.5667	88.711	83.745
2017/05/16	12:18:20	1.5750	88.714	83.336
2017/05/16	12:18:50	1.5833	88.736	82.972
2017/05/16	12:19:20	1.5917	88.761	82.611
2017/05/16	12:19:50	1.6000	88.776	82.267
2017/05/16	12:20:20	1.6083	88.796	81.930
2017/05/16	12:20:50	1.6167	88.802	81.601
2017/05/16	12:21:20	1.6250	88.824	81.271
2017/05/16	12:21:50	1.6333	88.657	80.940
2017/05/16	12:22:20	1.6417	87.730	79.462
POOH Gradient: 500.000 ft				
2017/05/16	12:22:30	1.6444	87.647	78.726
2017/05/16	12:22:50	1.6500	87.640	77.716
2017/05/16	12:23:20	1.6583	87.608	76.995

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Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2017/05/16	12:23:50	1.6667	87.652	76.498
2017/05/16	12:24:20	1.6750	87.690	76.068
2017/05/16	12:24:50	1.6833	87.686	75.681
2017/05/16	12:25:20	1.6917	87.714	75.301
2017/05/16	12:25:50	1.7000	87.710	74.937
2017/05/16	12:26:20	1.7083	87.724	74.583
2017/05/16	12:26:50	1.7167	87.748	74.239
2017/05/16	12:27:20	1.7250	87.741	73.902
2017/05/16	12:27:50	1.7333	87.396	73.328
2017/05/16	12:28:20	1.7417	86.629	71.488
POOH Gradient: 0.000 ft				
2017/05/16	12:28:40	1.7472	86.587	70.414
2017/05/16	12:28:50	1.7500	86.538	70.110
2017/05/16	12:29:20	1.7583	86.523	69.705
2017/05/16	12:29:50	1.7667	86.522	69.534
2017/05/16	12:30:20	1.7750	86.536	69.440
2017/05/16	12:30:50	1.7833	86.545	69.372
2017/05/16	12:31:20	1.7917	86.562	69.319
2017/05/16	12:31:50	1.8000	86.568	69.269
2017/05/16	12:32:20	1.8083	86.576	69.222
2017/05/16	12:32:50	1.8167	86.587	69.181
2017/05/16	12:33:20	1.8250	86.598	69.130
2017/05/16	12:33:50	1.8333	86.590	69.089
2017/05/16	12:34:20	1.8417	-2.482	69.060
2017/05/16	12:34:50	1.8500	-2.517	68.736
2017/05/16	12:35:20	1.8583	-2.533	68.648
2017/05/16	12:35:50	1.8667	-2.518	68.311
2017/05/16	12:36:20	1.8750	-2.523	68.290
2017/05/16	12:36:50	1.8833	-2.538	68.353