

BP Quinn #1
API #30-045-29003

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	Quinn #1
Well Location	T31N, R8W, Sec. 17
Field and Pool	Basin Fruitland Coal
Status (Oil, Gas, Water, Injection)	Observation
Perforated Intervals	
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 1/2 to 3240

OIL CONS. DIV DIST. 3

MAY 23 2017

TEST INFORMATION

Type of Test	POOH Static Gradient
Date(s) of Test	05/19/17
Dead-weight Gauge Tubing Pressure	40
Dead-weight Gauge Casing Pressure	0
Shut-in Date (Duration)	
Date / Time on Bottom	5/19/17 @ 1040
Date / Time off Bottom	5/19/17 @ 1140
Probe Serial Number	W1036
Probe Offset from End of Tool String	0-6000
Run Depth at Probe Pressure Port	3269

PRESSURE TEST RESULTS

Maximum Recorded Probe Pressure	44.0 psig
Maximum Recorded Probe Temperature	119.0 deg F
Final Buildup Pressure	
Gradient Survey Information	
Extrapolated Pressure to MPP	
Final Gradient at Depth	
Job Number	

AV

NWOC TA Expires
7-3-18

Company Name ConocoPhillips
Well Name Quinn #1
Type of Test POOH Static Gradient
Date(s) of Test 05/19/17



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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COMMENTS

Reported By

Expert Downhole Services, Inc.

RIH with 1.25 Impression Block and tagged fill @3547 WLM. RIH with BHP gauge to 3269 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)
		3269.000	41.853	-	119.025	-
1040	1140	3269.000	44.015	-	91.135	-
1141	1146	3000.000	35.475	0.0317	118.353	-0.1012
1147	1152	2500.000	34.903	0.0011	113.414	0.0099
1152	1157	2000.000	34.498	0.0008	104.144	0.0185
1158	1203	1500.000	34.046	0.0009	96.724	0.0148
1204	1209	1000.000	33.729	0.0006	88.122	0.0172
1210	1215	500.000	33.390	0.0007	79.063	0.0181
1216	1221	0.000	32.964	0.0009	72.266	0.0136

Extrapolated to MPP:

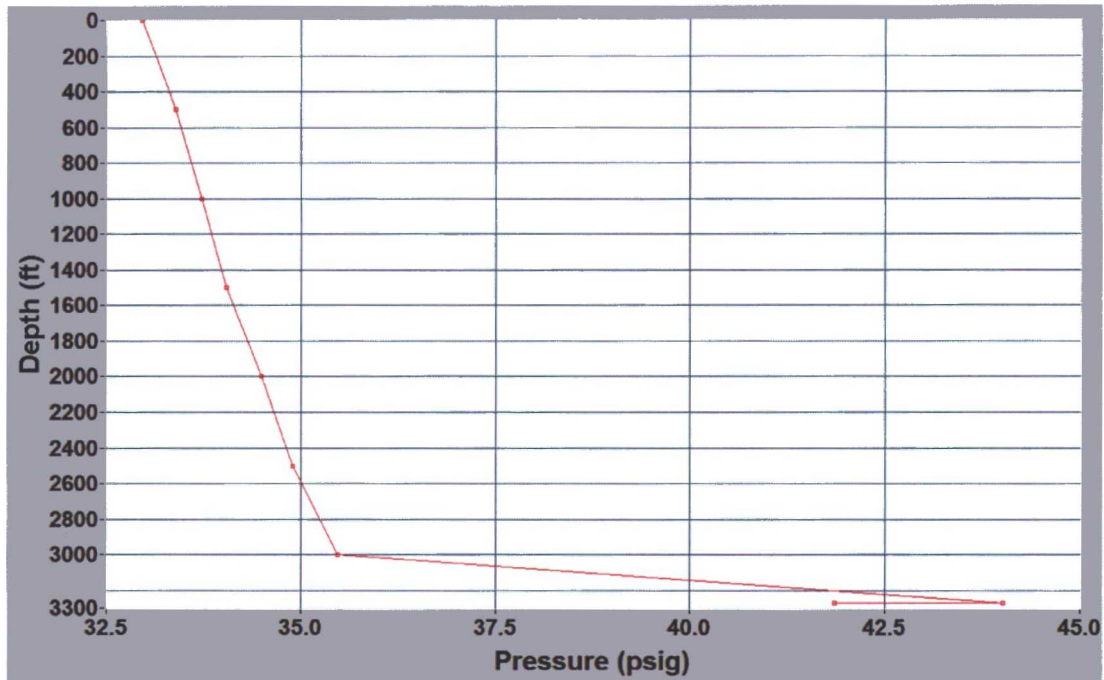
(ft)	(psig)	(deg F)
0.000		

Company Name ConocoPhillips
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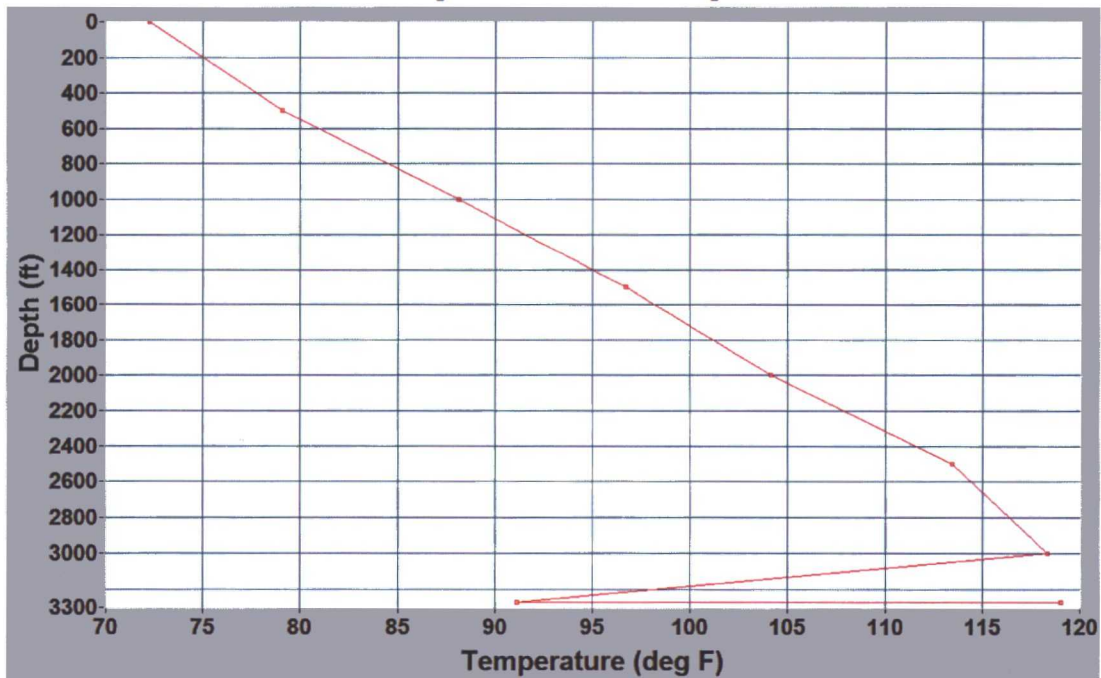


Probe Serial Number W1036

W1036 Depth vs. Pressure



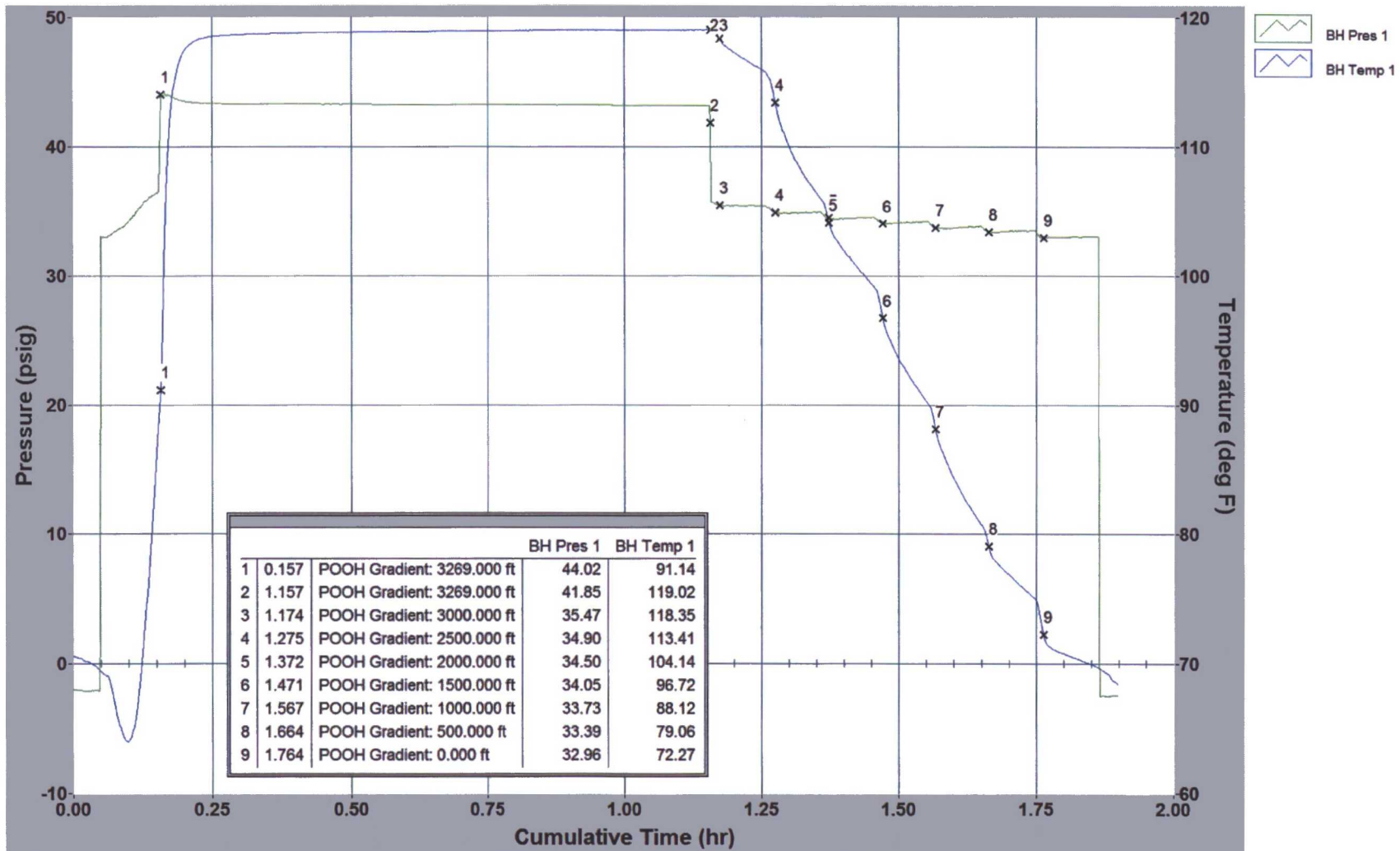
W1036 Depth vs. Temperature



Company Name ConocoPhillips
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Quinn #1



Company Name ConocoPhillips
Well Name Quinn #1
Type of Test POOH Static Gradient
Date(s) of Test 05/19/17



Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2017/05/19	10:30:35	0.0000	-2.018	70.596
2017/05/19	10:31:05	0.0083	-2.062	70.452
2017/05/19	10:31:35	0.0167	-2.134	70.302
2017/05/19	10:32:05	0.0250	-2.104	70.153
2017/05/19	10:32:35	0.0333	-2.081	69.984
2017/05/19	10:33:05	0.0417	-2.072	69.719
2017/05/19	10:33:35	0.0500	33.066	69.390
2017/05/19	10:34:05	0.0583	33.007	69.114
2017/05/19	10:34:35	0.0667	33.165	68.479
2017/05/19	10:35:05	0.0750	33.439	66.920
2017/05/19	10:35:35	0.0833	33.638	65.383
2017/05/19	10:36:05	0.0917	33.858	64.299
2017/05/19	10:36:35	0.1000	34.216	64.006
2017/05/19	10:37:05	0.1083	34.673	64.881
2017/05/19	10:37:35	0.1167	35.127	67.253
2017/05/19	10:38:05	0.1250	35.535	70.794
2017/05/19	10:38:35	0.1333	35.910	75.348
2017/05/19	10:39:05	0.1417	36.227	80.548
2017/05/19	10:39:35	0.1500	36.401	86.252
POOH Gradient: 3269.000 ft				
2017/05/19	10:40:00	0.1569	44.015	91.135
2017/05/19	10:40:05	0.1583	43.969	93.477
2017/05/19	10:40:35	0.1667	44.016	106.473
2017/05/19	10:41:05	0.1750	43.896	112.536
2017/05/19	10:41:35	0.1833	43.709	115.286
2017/05/19	10:42:05	0.1917	43.575	116.668
2017/05/19	10:42:35	0.2000	43.496	117.419
2017/05/19	10:43:05	0.2083	43.449	117.856
2017/05/19	10:43:35	0.2167	43.410	118.114
2017/05/19	10:44:05	0.2250	43.382	118.278
2017/05/19	10:44:35	0.2333	43.356	118.395
2017/05/19	10:45:05	0.2417	43.351	118.465
2017/05/19	10:45:35	0.2500	43.342	118.517
2017/05/19	10:46:05	0.2583	43.325	118.560
2017/05/19	10:46:35	0.2667	43.317	118.585
2017/05/19	10:47:05	0.2750	43.305	118.609
2017/05/19	10:47:35	0.2833	43.303	118.630
2017/05/19	10:48:05	0.2917	43.300	118.650
2017/05/19	10:48:35	0.3000	43.295	118.670
2017/05/19	10:49:05	0.3083	43.296	118.688
2017/05/19	10:49:35	0.3167	43.296	118.692
2017/05/19	10:50:05	0.3250	43.294	118.708
2017/05/19	10:50:35	0.3333	43.289	118.722
2017/05/19	10:51:05	0.3417	43.285	118.733
2017/05/19	10:51:35	0.3500	43.282	118.731
2017/05/19	10:52:05	0.3583	43.286	118.751
2017/05/19	10:52:35	0.3667	43.279	118.760
2017/05/19	10:53:05	0.3750	43.284	118.767
2017/05/19	10:53:35	0.3833	43.282	118.778
2017/05/19	10:54:05	0.3917	43.282	118.780
2017/05/19	10:54:35	0.4000	43.278	118.791
2017/05/19	10:55:05	0.4083	43.278	118.792
2017/05/19	10:55:35	0.4167	43.274	118.803
2017/05/19	10:56:05	0.4250	43.279	118.805

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2017/05/19	10:56:35	0.4333	43.269	118.819
2017/05/19	10:57:05	0.4417	43.266	118.821
2017/05/19	10:57:35	0.4500	43.262	118.832
2017/05/19	10:58:05	0.4583	43.264	118.836
2017/05/19	10:58:35	0.4667	43.270	118.832
2017/05/19	10:59:05	0.4750	43.267	118.837
2017/05/19	10:59:35	0.4833	43.260	118.848
2017/05/19	11:00:05	0.4917	43.269	118.846
2017/05/19	11:00:35	0.5000	43.271	118.852
2017/05/19	11:01:05	0.5083	43.271	118.854
2017/05/19	11:01:35	0.5167	43.270	118.857
2017/05/19	11:02:05	0.5250	43.270	118.861
2017/05/19	11:02:35	0.5333	43.270	118.861
2017/05/19	11:03:05	0.5417	43.258	118.866
2017/05/19	11:03:35	0.5500	43.249	118.870
2017/05/19	11:04:05	0.5583	43.251	118.875
2017/05/19	11:04:35	0.5667	43.248	118.881
2017/05/19	11:05:05	0.5750	43.250	118.884
2017/05/19	11:05:35	0.5833	43.254	118.895
2017/05/19	11:06:05	0.5917	43.252	118.893
2017/05/19	11:06:35	0.6000	43.249	118.890
2017/05/19	11:07:05	0.6083	43.248	118.899
2017/05/19	11:07:35	0.6167	43.243	118.899
2017/05/19	11:08:05	0.6250	43.247	118.906
2017/05/19	11:08:35	0.6333	43.250	118.906
2017/05/19	11:09:05	0.6417	43.251	118.902
2017/05/19	11:09:35	0.6500	43.258	118.913
2017/05/19	11:10:05	0.6583	43.244	118.915
2017/05/19	11:10:35	0.6667	43.249	118.918
2017/05/19	11:11:05	0.6750	43.246	118.920
2017/05/19	11:11:35	0.6833	43.238	118.915
2017/05/19	11:12:05	0.6917	43.231	118.924
2017/05/19	11:12:35	0.7000	43.231	118.926
2017/05/19	11:13:05	0.7083	43.230	118.933
2017/05/19	11:13:35	0.7167	43.233	118.935
2017/05/19	11:14:05	0.7250	43.233	118.935
2017/05/19	11:14:35	0.7333	43.237	118.942
2017/05/19	11:15:05	0.7417	43.234	118.945
2017/05/19	11:15:35	0.7500	43.237	118.945
2017/05/19	11:16:05	0.7583	43.236	118.956
2017/05/19	11:16:35	0.7667	43.234	118.947
2017/05/19	11:17:05	0.7750	43.232	118.945
2017/05/19	11:17:35	0.7833	43.231	118.945
2017/05/19	11:18:05	0.7917	43.234	118.951
2017/05/19	11:18:35	0.8000	43.239	118.958
2017/05/19	11:19:05	0.8083	43.236	118.958
2017/05/19	11:19:35	0.8167	43.229	118.969
2017/05/19	11:20:05	0.8250	43.221	118.965
2017/05/19	11:20:35	0.8333	43.223	118.971
2017/05/19	11:21:05	0.8417	43.220	118.967
2017/05/19	11:21:35	0.8500	43.223	118.967
2017/05/19	11:22:05	0.8583	43.217	118.974
2017/05/19	11:22:35	0.8667	43.217	118.974
2017/05/19	11:23:05	0.8750	43.208	118.974

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Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2017/05/19	11:23:35	0.8833	43.211	118.976
2017/05/19	11:24:05	0.8917	43.207	118.981
2017/05/19	11:24:35	0.9000	43.216	118.976
2017/05/19	11:25:05	0.9083	43.216	118.980
2017/05/19	11:25:35	0.9167	43.216	118.978
2017/05/19	11:26:05	0.9250	43.216	118.983
2017/05/19	11:26:35	0.9333	43.209	118.989
2017/05/19	11:27:05	0.9417	43.209	118.987
2017/05/19	11:27:35	0.9500	43.209	118.990
2017/05/19	11:28:05	0.9583	43.209	118.989
2017/05/19	11:28:35	0.9667	43.216	119.001
2017/05/19	11:29:05	0.9750	43.208	118.996
2017/05/19	11:29:35	0.9833	43.202	119.003
2017/05/19	11:30:05	0.9917	43.199	118.999
2017/05/19	11:30:35	1.0000	43.202	119.003
2017/05/19	11:31:05	1.0083	43.199	119.003
2017/05/19	11:31:35	1.0167	43.196	119.005
2017/05/19	11:32:05	1.0250	43.194	119.001
2017/05/19	11:32:35	1.0333	43.202	119.005
2017/05/19	11:33:05	1.0417	43.204	119.007
2017/05/19	11:33:35	1.0500	43.196	119.007
2017/05/19	11:34:05	1.0583	43.202	119.007
2017/05/19	11:34:35	1.0667	43.192	119.012
2017/05/19	11:35:05	1.0750	43.198	119.010
2017/05/19	11:35:35	1.0833	43.204	119.008
2017/05/19	11:36:05	1.0917	43.200	119.017
2017/05/19	11:36:35	1.1000	43.195	119.016
2017/05/19	11:37:05	1.1083	43.187	119.012
2017/05/19	11:37:35	1.1167	43.179	119.025
2017/05/19	11:38:05	1.1250	43.186	119.021
2017/05/19	11:38:35	1.1333	43.183	119.023
2017/05/19	11:39:05	1.1417	43.188	119.023
2017/05/19	11:39:35	1.1500	43.196	119.026
POOH Gradient: 3269.000 ft				
2017/05/19	11:40:00	1.1569	41.853	119.025
2017/05/19	11:40:05	1.1583	35.749	119.025
2017/05/19	11:40:35	1.1667	35.567	118.809
POOH Gradient: 3000.000 ft				
2017/05/19	11:41:00	1.1736	35.475	118.353
2017/05/19	11:41:05	1.1750	35.440	118.252
2017/05/19	11:41:35	1.1833	35.427	117.846
2017/05/19	11:42:05	1.1917	35.425	117.558
2017/05/19	11:42:35	1.2000	35.434	117.306
2017/05/19	11:43:05	1.2083	35.427	117.061
2017/05/19	11:43:35	1.2167	35.412	116.829
2017/05/19	11:44:05	1.2250	35.430	116.600
2017/05/19	11:44:35	1.2333	35.444	116.388
2017/05/19	11:45:05	1.2417	35.424	116.172
2017/05/19	11:45:35	1.2500	35.418	115.963
2017/05/19	11:46:05	1.2583	35.402	115.758
2017/05/19	11:46:35	1.2667	35.138	114.982
POOH Gradient: 2500.000 ft				
2017/05/19	11:47:05	1.2750	34.903	113.414
2017/05/19	11:47:35	1.2833	34.886	111.974

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2017/05/19	11:48:05	1.2917	34.897	110.921
2017/05/19	11:48:35	1.3000	34.858	110.053
2017/05/19	11:49:05	1.3083	34.891	109.299
2017/05/19	11:49:35	1.3167	34.862	108.612
2017/05/19	11:50:05	1.3250	34.906	107.992
2017/05/19	11:50:35	1.3333	34.915	107.418
2017/05/19	11:51:05	1.3417	34.923	106.900
2017/05/19	11:51:35	1.3500	34.915	106.410
2017/05/19	11:52:05	1.3583	34.961	105.966
2017/05/19	11:52:35	1.3667	34.527	105.098
POOH Gradient: 2000.000 ft				
2017/05/19	11:52:55	1.3722	34.498	104.144
2017/05/19	11:53:05	1.3750	34.445	103.786
2017/05/19	11:53:35	1.3833	34.400	103.006
2017/05/19	11:54:05	1.3917	34.430	102.438
2017/05/19	11:54:35	1.4000	34.431	101.935
2017/05/19	11:55:05	1.4083	34.434	101.476
2017/05/19	11:55:35	1.4167	34.479	101.035
2017/05/19	11:56:05	1.4250	34.505	100.609
2017/05/19	11:56:35	1.4333	34.483	100.193
2017/05/19	11:57:05	1.4417	34.529	99.788
2017/05/19	11:57:35	1.4500	34.529	99.392
2017/05/19	11:58:05	1.4583	34.400	98.924
2017/05/19	11:58:35	1.4667	34.123	97.581
POOH Gradient: 1500.000 ft				
2017/05/19	11:58:50	1.4708	34.046	96.724
2017/05/19	11:59:05	1.4750	34.048	96.039
2017/05/19	11:59:35	1.4833	34.102	95.043
2017/05/19	12:00:05	1.4917	34.129	94.267
2017/05/19	12:00:35	1.5000	34.159	93.589
2017/05/19	12:01:05	1.5083	34.148	92.962
2017/05/19	12:01:35	1.5167	34.155	92.385
2017/05/19	12:02:05	1.5250	34.154	91.825
2017/05/19	12:02:35	1.5333	34.181	91.296
2017/05/19	12:03:05	1.5417	34.201	90.793
2017/05/19	12:03:35	1.5500	34.247	90.304
2017/05/19	12:04:05	1.5583	33.998	89.717
POOH Gradient: 1000.000 ft				
2017/05/19	12:04:35	1.5667	33.729	88.122
2017/05/19	12:05:05	1.5750	33.730	86.819
2017/05/19	12:05:35	1.5833	33.692	85.901
2017/05/19	12:06:05	1.5917	33.656	85.098
2017/05/19	12:06:35	1.6000	33.720	84.357
2017/05/19	12:07:05	1.6083	33.772	83.658
2017/05/19	12:07:35	1.6167	33.759	83.021
2017/05/19	12:08:05	1.6250	33.783	82.405
2017/05/19	12:08:35	1.6333	33.806	81.833
2017/05/19	12:09:05	1.6417	33.837	81.288
2017/05/19	12:09:35	1.6500	33.871	80.767
2017/05/19	12:10:05	1.6583	33.557	79.983
POOH Gradient: 500.000 ft				
2017/05/19	12:10:25	1.6639	33.390	79.063
2017/05/19	12:10:35	1.6667	33.354	78.636
2017/05/19	12:11:05	1.6750	33.385	77.974

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Date(s) of Test 05/19/17



Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2017/05/19	12:11:35	1.6833	33.416	77.587
2017/05/19	12:12:05	1.6917	33.439	77.236
2017/05/19	12:12:35	1.7000	33.469	76.892
2017/05/19	12:13:05	1.7083	33.468	76.559
2017/05/19	12:13:35	1.7167	33.481	76.224
2017/05/19	12:14:05	1.7250	33.528	75.897
2017/05/19	12:14:35	1.7333	33.459	75.569
2017/05/19	12:15:05	1.7417	33.505	75.245
2017/05/19	12:15:35	1.7500	33.359	74.890
2017/05/19	12:16:05	1.7583	32.970	73.317
POOH Gradient: 0.000 ft				
2017/05/19	12:16:25	1.7639	32.964	72.266
2017/05/19	12:16:35	1.7667	32.946	71.816
2017/05/19	12:17:05	1.7750	32.991	71.271
2017/05/19	12:17:35	1.7833	32.979	71.062
2017/05/19	12:18:05	1.7917	32.994	70.909
2017/05/19	12:18:35	1.8000	33.007	70.774
2017/05/19	12:19:05	1.8083	33.021	70.642
2017/05/19	12:19:35	1.8167	33.034	70.502
2017/05/19	12:20:05	1.8250	33.042	70.362
2017/05/19	12:20:35	1.8333	33.028	70.225
2017/05/19	12:21:05	1.8417	33.039	70.081
2017/05/19	12:21:35	1.8500	33.035	69.948
2017/05/19	12:22:05	1.8583	33.042	69.796
2017/05/19	12:22:35	1.8667	-2.494	69.633
2017/05/19	12:23:05	1.8750	-2.486	69.339
2017/05/19	12:23:35	1.8833	-2.486	69.112
2017/05/19	12:24:05	1.8917	-2.470	68.628