

OIL CONS. DIV DIST. 3

MAY 18 2016

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 30-5 Unit 219
Well Location	T30, 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 3096
Production Tubing	2 3/8 to 2864

TEST INFORMATION

Type of Test	POOH Static Gradient
Date(s) of Test	5/11/2016
Dead-weight Gauge Tubing Pressure	45
Dead-weight Gauge Casing Pressure	0
Shut-in Date (Duration)	
Date / Time on Bottom	5/11/2016 @ 1213
Date / Time off Bottom	5/11/2016 @ 1313
Probe Serial Number	W1035
Probe Offset from End of Tool String	0-6000
Run Depth at Probe Pressure Port	3070

PRESSURE TEST RESULTS

Maximum Recorded Probe Pressure	64.7 psig
Maximum Recorded Probe Temperature	113.1 deg F
Final Buildup Pressure	
Gradient Survey Information	
Extrapolated Pressure to MPP	
Final Gradient at Depth	
Job Number	

Company Name ConocoPhillips
Well Name San Juan 30-5 Unit 219
Type of Test POOH Static Gradient
Date(s) of Test 5/11/2016



PROBE INFORMATION

Probe Serial Number W1035
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 1.50 IB and tagged fill @ 3075 WLM. RIH with BHP memory gauge to 3070 WLM for 1 hour, then POOH making gradient stops per request.

Company Name ConocoPhillips
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Pressure vs. Depth

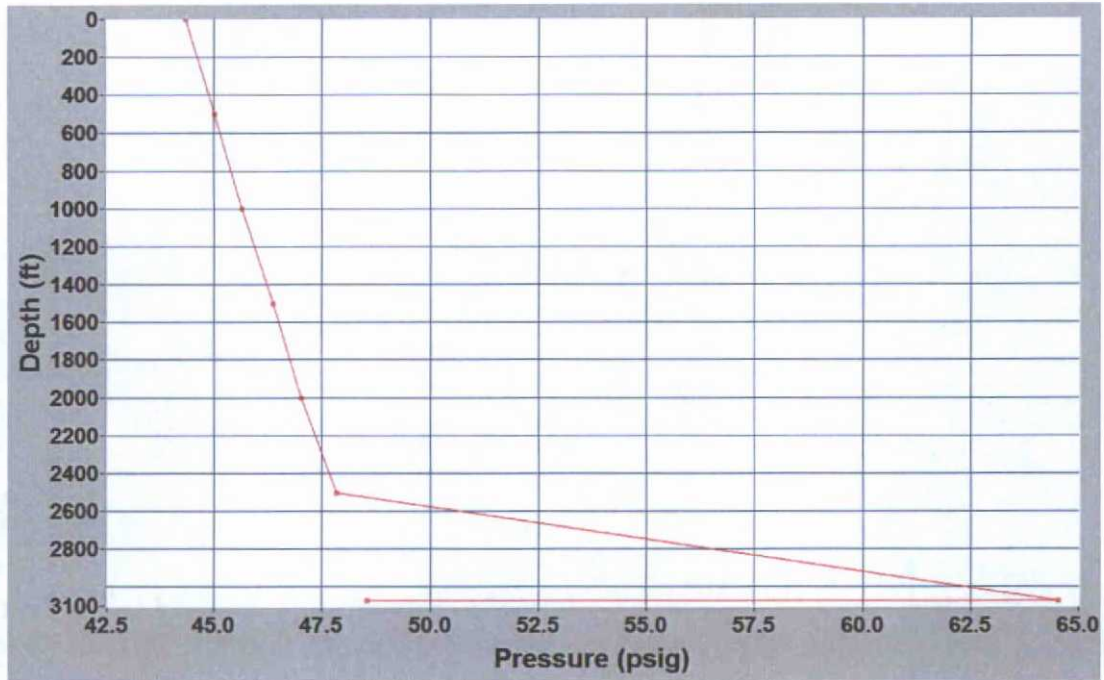
Probe Serial Number W1035

		(ft)	(psig)	(psi/ft)	(deg F)	(deg F/ft)
		3070.000	64.540	-	94.478	-
1213	1313	3070.000	48.539	-	112.789	-
1314	1319	2500.000	47.829	0.0012	110.651	0.0038
1320	1325	2000.000	47.029	0.0016	105.242	0.0108
1325	1330	1500.000	46.377	0.0013	100.735	0.0090
1331	1336	1000.000	45.642	0.0015	93.783	0.0139
1337	1342	500.000	45.020	0.0012	85.622	0.0163
1343	1349	0.000	44.337	0.0014	78.159	0.0149

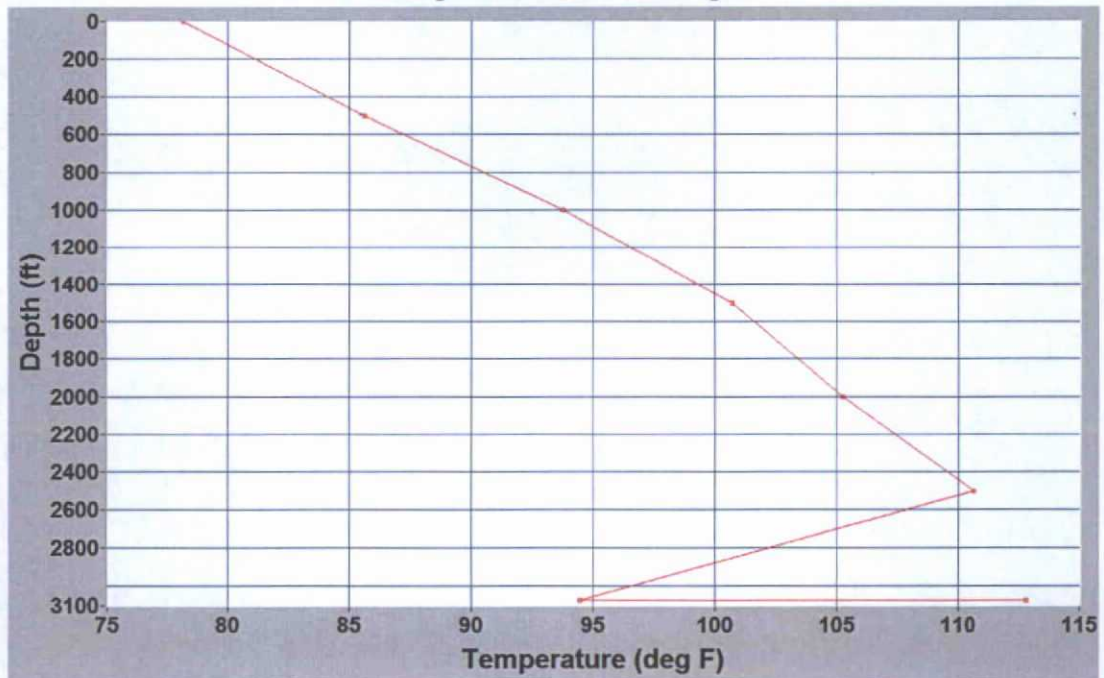
Extrapolated to MPP:

(ft)	(psig)	(deg F)
0.000		

W1035 Depth vs. Pressure



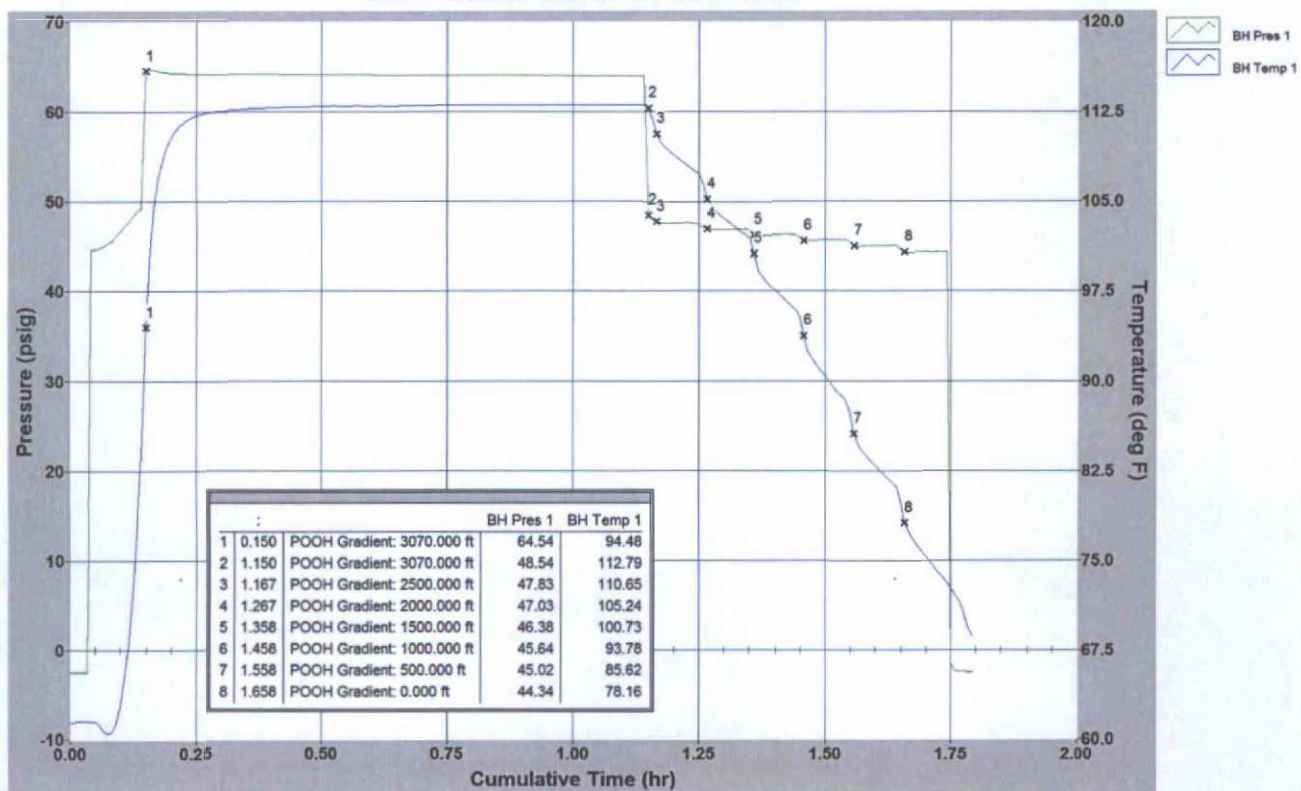
W1035 Depth vs. Temperature



Company Name ConocoPhillips
 Well Name San Juan 30-5 Unit 219
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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 5/11/2016



Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2016/05/11	12:04:15	0.0000	-2.462	61.369
2016/05/11	12:04:45	0.0083	-2.474	61.430
2016/05/11	12:05:15	0.0167	-2.472	61.515
2016/05/11	12:05:45	0.0250	-2.471	61.520
2016/05/11	12:06:15	0.0333	-2.465	61.495
2016/05/11	12:06:45	0.0417	44.647	61.468
2016/05/11	12:07:15	0.0500	44.666	61.473
2016/05/11	12:07:45	0.0583	44.812	61.111
2016/05/11	12:08:15	0.0667	45.049	60.688
2016/05/11	12:08:45	0.0750	45.349	60.442
2016/05/11	12:09:15	0.0833	45.643	60.604
2016/05/11	12:09:45	0.0917	46.226	61.336
2016/05/11	12:10:15	0.1000	46.683	62.884
2016/05/11	12:10:45	0.1083	47.235	65.226
2016/05/11	12:11:15	0.1167	47.749	68.414
2016/05/11	12:11:45	0.1250	48.348	72.720
2016/05/11	12:12:15	0.1333	48.918	78.006
2016/05/11	12:12:45	0.1417	49.164	83.835
POOH Gradient: 3070.000 ft				
2016/05/11	12:13:15	0.1500	64.540	94.478
2016/05/11	12:13:45	0.1583	64.670	100.909
2016/05/11	12:14:15	0.1667	64.618	104.515
2016/05/11	12:14:45	0.1750	64.483	106.848
2016/05/11	12:15:15	0.1833	64.396	108.430
2016/05/11	12:15:45	0.1917	64.308	109.549
2016/05/11	12:16:15	0.2000	64.268	110.352
2016/05/11	12:16:45	0.2083	64.274	110.901
2016/05/11	12:17:15	0.2167	64.260	111.306
2016/05/11	12:17:45	0.2250	64.235	111.603
2016/05/11	12:18:15	0.2333	64.210	111.843
2016/05/11	12:18:45	0.2417	64.211	112.046
2016/05/11	12:19:15	0.2500	64.211	112.201
2016/05/11	12:19:45	0.2583	64.202	112.303
2016/05/11	12:20:15	0.2667	64.217	112.388
2016/05/11	12:20:45	0.2750	64.213	112.446
2016/05/11	12:21:15	0.2833	64.210	112.501
2016/05/11	12:21:45	0.2917	64.207	112.554
2016/05/11	12:22:15	0.3000	64.206	112.588
2016/05/11	12:22:45	0.3083	64.202	112.624
2016/05/11	12:23:15	0.3167	64.195	112.656
2016/05/11	12:23:45	0.3250	64.193	112.678
2016/05/11	12:24:15	0.3333	64.187	112.701
2016/05/11	12:24:45	0.3417	64.181	112.730
2016/05/11	12:25:15	0.3500	64.176	112.743
2016/05/11	12:25:45	0.3583	64.170	112.766
2016/05/11	12:26:15	0.3667	64.166	112.782
2016/05/11	12:26:45	0.3750	64.165	112.791
2016/05/11	12:27:15	0.3833	64.160	112.802
2016/05/11	12:27:45	0.3917	64.158	112.820
2016/05/11	12:28:15	0.4000	64.157	112.834
2016/05/11	12:28:45	0.4083	64.151	112.852
2016/05/11	12:29:15	0.4167	64.147	112.863
2016/05/11	12:29:45	0.4250	64.142	112.879
2016/05/11	12:30:15	0.4333	64.139	112.885

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2016/05/11	12:30:45	0.4417	64.134	112.897
2016/05/11	12:31:15	0.4500	64.130	112.903
2016/05/11	12:31:45	0.4583	64.127	112.906
2016/05/11	12:32:15	0.4667	64.123	112.912
2016/05/11	12:32:45	0.4750	64.120	112.919
2016/05/11	12:33:15	0.4833	64.115	112.937
2016/05/11	12:33:45	0.4917	64.111	112.944
2016/05/11	12:34:15	0.5000	64.107	112.948
2016/05/11	12:34:45	0.5083	64.103	112.957
2016/05/11	12:35:15	0.5167	64.099	112.968
2016/05/11	12:35:45	0.5250	64.094	112.986
2016/05/11	12:36:15	0.5333	64.091	112.980
2016/05/11	12:36:45	0.5417	64.088	112.980
2016/05/11	12:37:15	0.5500	64.085	112.980
2016/05/11	12:37:45	0.5583	64.082	112.982
2016/05/11	12:38:15	0.5667	64.082	112.987
2016/05/11	12:38:45	0.5750	64.078	112.993
2016/05/11	12:39:15	0.5833	64.080	112.977
2016/05/11	12:39:45	0.5917	64.077	112.977
2016/05/11	12:40:15	0.6000	64.073	112.980
2016/05/11	12:40:45	0.6083	64.070	112.977
2016/05/11	12:41:15	0.6167	64.067	112.984
2016/05/11	12:41:45	0.6250	64.065	112.973
2016/05/11	12:42:15	0.6333	64.065	112.977
2016/05/11	12:42:45	0.6417	64.061	112.978
2016/05/11	12:43:15	0.6500	64.061	112.978
2016/05/11	12:43:45	0.6583	64.058	112.984
2016/05/11	12:44:15	0.6667	64.055	112.984
2016/05/11	12:44:45	0.6750	64.053	112.993
2016/05/11	12:45:15	0.6833	64.051	112.991
2016/05/11	12:45:45	0.6917	64.047	112.996
2016/05/11	12:46:15	0.7000	64.044	112.998
2016/05/11	12:46:45	0.7083	64.044	113.020
2016/05/11	12:47:15	0.7167	64.041	113.022
2016/05/11	12:47:45	0.7250	64.040	113.031
2016/05/11	12:48:15	0.7333	64.035	113.045
2016/05/11	12:48:45	0.7417	64.035	113.049
2016/05/11	12:49:15	0.7500	64.031	113.058
2016/05/11	12:49:45	0.7583	64.032	113.047
2016/05/11	12:50:15	0.7667	64.028	113.058
2016/05/11	12:50:45	0.7750	64.029	113.050
2016/05/11	12:51:15	0.7833	64.026	113.049
2016/05/11	12:51:45	0.7917	64.023	113.050
2016/05/11	12:52:15	0.8000	64.020	113.045
2016/05/11	12:52:45	0.8083	64.016	113.052
2016/05/11	12:53:15	0.8167	64.017	113.050
2016/05/11	12:53:45	0.8250	64.014	113.050
2016/05/11	12:54:15	0.8333	64.010	113.052
2016/05/11	12:54:45	0.8417	64.007	113.054
2016/05/11	12:55:15	0.8500	64.007	113.054
2016/05/11	12:55:45	0.8583	64.008	113.050
2016/05/11	12:56:15	0.8667	64.004	113.054
2016/05/11	12:56:45	0.8750	64.004	113.058
2016/05/11	12:57:15	0.8833	64.004	113.054

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Date(s) of Test 5/11/2016



Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2016/05/11	12:57:45	0.8917	64.008	113.049
2016/05/11	12:58:15	0.9000	64.005	113.043
2016/05/11	12:58:45	0.9083	64.002	113.047
2016/05/11	12:59:15	0.9167	64.002	113.045
2016/05/11	12:59:45	0.9250	64.005	113.047
2016/05/11	13:00:15	0.9333	64.000	113.059
2016/05/11	13:00:45	0.9417	63.996	113.070
2016/05/11	13:01:15	0.9500	63.995	113.079
2016/05/11	13:01:45	0.9583	63.998	113.079
2016/05/11	13:02:15	0.9667	63.995	113.081
2016/05/11	13:02:45	0.9750	63.998	113.076
2016/05/11	13:03:15	0.9833	63.995	113.077
2016/05/11	13:03:45	0.9917	63.996	113.076
2016/05/11	13:04:15	1.0000	63.995	113.079
2016/05/11	13:04:45	1.0083	63.992	113.079
2016/05/11	13:05:15	1.0167	63.994	113.085
2016/05/11	13:05:45	1.0250	63.992	113.085
2016/05/11	13:06:15	1.0333	63.989	113.079
2016/05/11	13:06:45	1.0417	63.990	113.076
2016/05/11	13:07:15	1.0500	63.993	113.076
2016/05/11	13:07:45	1.0583	63.990	113.070
2016/05/11	13:08:15	1.0667	63.986	113.076
2016/05/11	13:08:45	1.0750	63.986	113.079
2016/05/11	13:09:15	1.0833	63.983	113.081
2016/05/11	13:09:45	1.0917	63.983	113.081
2016/05/11	13:10:15	1.1000	63.983	113.076
2016/05/11	13:10:45	1.1083	63.981	113.072
2016/05/11	13:11:15	1.1167	63.981	113.074
2016/05/11	13:11:45	1.1250	63.978	113.068
2016/05/11	13:12:15	1.1333	63.975	113.070
2016/05/11	13:12:45	1.1417	63.971	113.081
POOH Gradient: 3070.000 ft				
2016/05/11	13:13:15	1.1500	48.539	112.789
2016/05/11	13:13:45	1.1583	48.026	111.787
POOH Gradient: 2500.000 ft				
2016/05/11	13:14:15	1.1667	47.829	110.651
2016/05/11	13:14:45	1.1750	47.672	109.947
2016/05/11	13:15:45	1.1917	47.668	109.215
2016/05/11	13:16:15	1.2000	47.706	108.919
2016/05/11	13:16:45	1.2083	47.706	108.635
2016/05/11	13:17:15	1.2167	47.741	108.361
2016/05/11	13:17:45	1.2250	47.748	108.099
2016/05/11	13:18:15	1.2333	47.674	107.854
2016/05/11	13:18:45	1.2417	47.667	107.605
2016/05/11	13:19:15	1.2500	47.559	107.364
2016/05/11	13:19:45	1.2583	47.139	106.533
POOH Gradient: 2000.000 ft				
2016/05/11	13:20:15	1.2667	47.029	105.242
2016/05/11	13:20:45	1.2750	46.984	104.601
2016/05/11	13:21:15	1.2833	46.972	104.227
2016/05/11	13:21:45	1.2917	46.996	103.917
2016/05/11	13:22:15	1.3000	46.988	103.624
2016/05/11	13:22:45	1.3083	46.976	103.338
2016/05/11	13:23:15	1.3167	46.978	103.057

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2016/05/11	13:23:45	1.3250	47.018	102.780
2016/05/11	13:24:15	1.3333	46.998	102.511
2016/05/11	13:24:45	1.3417	47.031	102.247
2016/05/11	13:25:15	1.3500	46.866	101.946
POOH Gradient: 1500.000 ft				
2016/05/11	13:25:45	1.3583	46.377	100.735
2016/05/11	13:26:15	1.3667	46.286	99.322
2016/05/11	13:26:45	1.3750	46.262	98.733
2016/05/11	13:27:15	1.3833	46.319	98.325
2016/05/11	13:27:45	1.3917	46.303	97.963
2016/05/11	13:28:15	1.4000	46.316	97.619
2016/05/11	13:28:45	1.4083	46.316	97.275
2016/05/11	13:29:15	1.4167	46.365	96.937
2016/05/11	13:29:45	1.4250	46.347	96.611
2016/05/11	13:30:15	1.4333	46.287	96.285
2016/05/11	13:30:45	1.4417	46.310	95.967
2016/05/11	13:31:15	1.4500	46.027	95.423
POOH Gradient: 1000.000 ft				
2016/05/11	13:31:45	1.4583	45.642	93.783
2016/05/11	13:32:15	1.4667	45.620	92.457
2016/05/11	13:32:45	1.4750	45.633	91.839
2016/05/11	13:33:15	1.4833	45.642	91.339
2016/05/11	13:33:45	1.4917	45.666	90.882
2016/05/11	13:34:15	1.5000	45.736	90.428
2016/05/11	13:34:45	1.5083	45.659	89.994
2016/05/11	13:35:15	1.5167	45.692	89.559
2016/05/11	13:35:45	1.5250	45.725	89.139
2016/05/11	13:36:15	1.5333	45.715	88.729
2016/05/11	13:36:45	1.5417	45.679	88.324
2016/05/11	13:37:15	1.5500	45.307	87.404
POOH Gradient: 500.000 ft				
2016/05/11	13:37:45	1.5583	45.020	85.622
2016/05/11	13:38:15	1.5667	44.944	84.628
2016/05/11	13:38:45	1.5750	44.993	84.112
2016/05/11	13:39:15	1.5833	45.023	83.696
2016/05/11	13:39:45	1.5917	44.987	83.302
2016/05/11	13:40:15	1.6000	45.025	82.926
2016/05/11	13:40:45	1.6083	45.035	82.560
2016/05/11	13:41:15	1.6167	45.055	82.202
2016/05/11	13:41:45	1.6250	45.024	81.838
2016/05/11	13:42:15	1.6333	45.041	81.484
2016/05/11	13:42:45	1.6417	45.067	81.142
2016/05/11	13:43:15	1.6500	44.571	79.988
POOH Gradient: 0.000 ft				
2016/05/11	13:43:45	1.6583	44.337	78.159
2016/05/11	13:44:15	1.6667	44.302	77.252
2016/05/11	13:44:45	1.6750	44.315	76.701
2016/05/11	13:45:15	1.6833	44.398	76.217
2016/05/11	13:45:45	1.6917	44.379	75.751
2016/05/11	13:46:15	1.7000	44.395	75.297
2016/05/11	13:46:45	1.7083	44.374	74.849
2016/05/11	13:47:15	1.7167	44.355	74.417
2016/05/11	13:47:45	1.7250	44.429	73.985
2016/05/11	13:48:15	1.7333	44.352	73.560

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Date(s) of Test 5/11/2016



Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2016/05/11	13:48:45	1.7417	44.401	73.141
2016/05/11	13:49:15	1.7500	-1.504	72.624
2016/05/11	13:49:45	1.7583	-2.425	72.045
2016/05/11	13:50:15	1.7667	-2.394	71.568
2016/05/11	13:50:45	1.7750	-2.418	70.615
2016/05/11	13:51:15	1.7833	-2.459	69.469