

San Juan 31-6 Unit #225
API # 30-039-24522
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 #225
Well Location	T31N, R6W, Sec. 31
Field and Pool	Basin Fruitland Coal
Status (Oil, Gas, Water, Injection)	Observation
Perforated Intervals	2957-3007
Mid-point of Perforated Intervals (MPP)	
Drilling Rig Number	
Elevations	
Kelly Bushing (KB)	13
Casing Flange (CF)	
KB-CF	
Ground Level	6207
Plug Back Total Depth	3053
Total Depth	3053
Production Casing	5 1/2 to 3052
Production Tubing	2 3/8 to 2926

TEST INFORMATION

Type of Test	POOH Static Gradient
Date(s) of Test	5/16/17
Dead-weight Gauge Tubing Pressure	100
Dead-weight Gauge Casing Pressure	
Shut-in Date (Duration)	
Date / Time on Bottom	5/16/17 @0811
Date / Time off Bottom	5/16/17 @0911
Probe Serial Number	W1035
Probe Offset from End of Tool String	0-6000
Run Depth at Probe Pressure Port	3021

PRESSURE TEST RESULTS

Maximum Recorded Probe Pressure	123.1 psig
Maximum Recorded Probe Temperature	113.4 deg F
Final Buildup Pressure	
Gradient Survey Information	
Extrapolated Pressure to MPP	
Final Gradient at Depth	
Job Number	

OIL CONS. DIV DIST. 3
MAY 18 2017

NMOC TA Expires
6-6-2022

AV

Company Name ConocoPhillips
Well Name San Juan 31-6 Unit #225
Type of Test POOH Static Gradient
Date(s) of Test 5/16/17



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 Impression Block and tagged fill @ 3024 WLM. RIH with BHP gauge to 3021 for 1 hour, then POOH making 5 minute gradient stops per request.

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Pressure vs. Depth

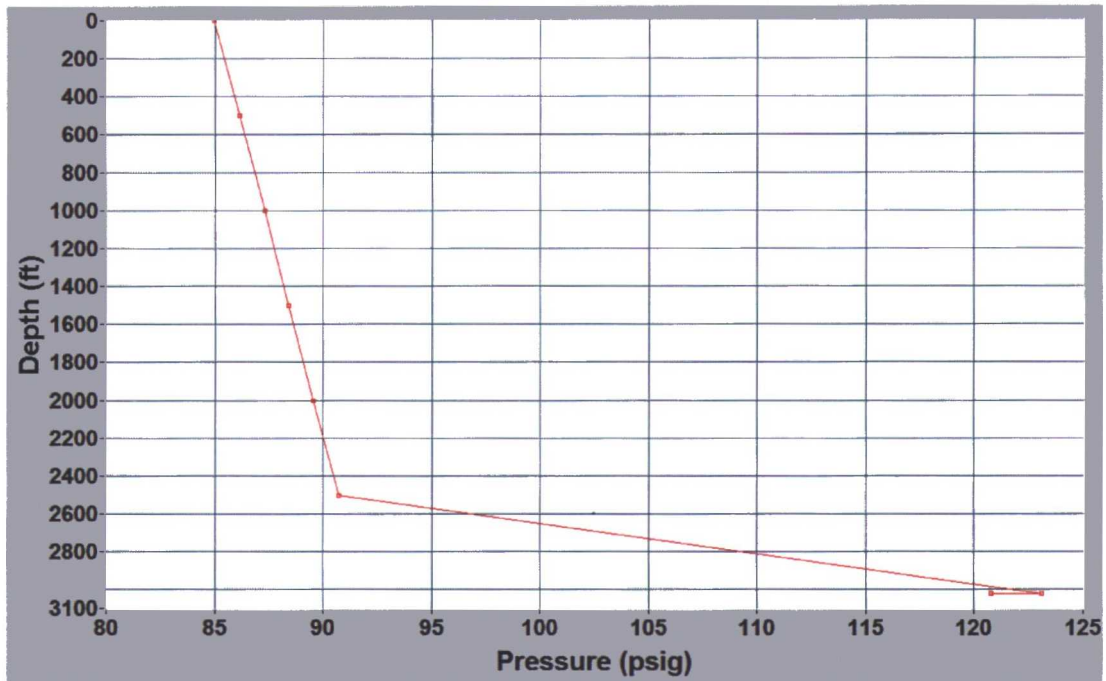
Probe Serial Number W1035

		(ft)	(psig)	(psi/ft)	(deg F)	(deg F/ft)
		3021.000	123.103	-	91.492	-
0811	0911	3021.000	120.778	-	113.403	-
0912	0917	2500.000	90.718	0.0577	111.265	0.0041
0918	0923	2000.000	89.547	0.0023	105.525	0.0115
0924	0929	1500.000	88.433	0.0022	97.938	0.0152
0930	0935	1000.000	87.330	0.0022	90.253	0.0154
0936	0941	500.000	86.167	0.0023	82.350	0.0158
0942	0947	0.000	84.992	0.0023	72.783	0.0191

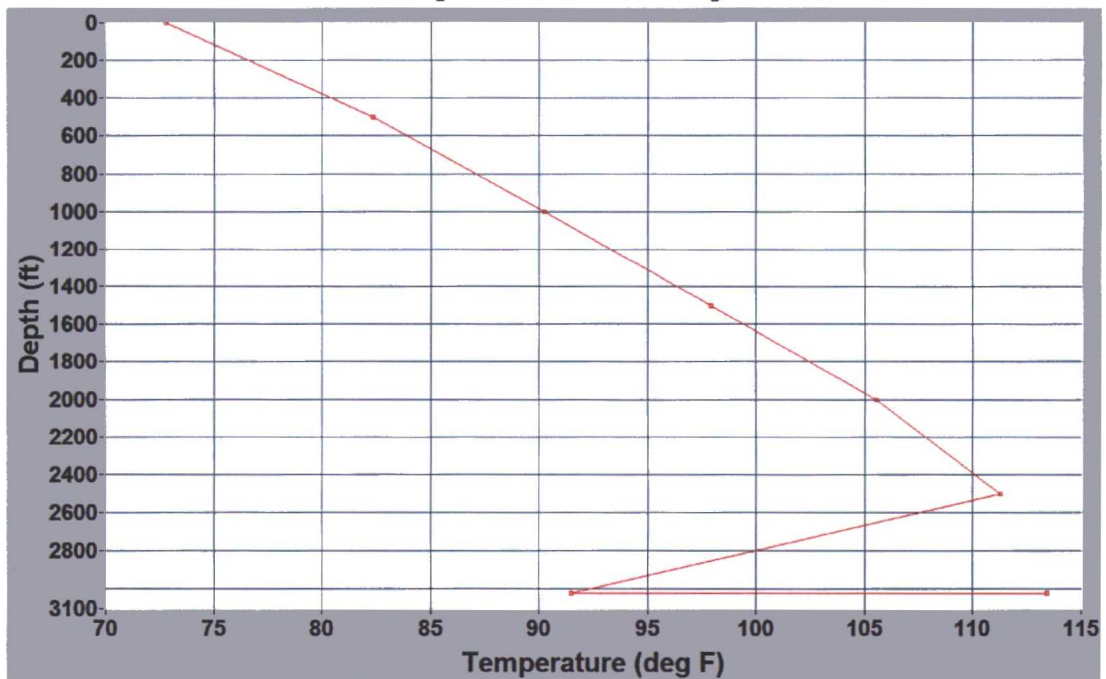
Extrapolated to MPP:

(ft)	(psig)	(deg F)
0.000		

W1035 Depth vs. Pressure



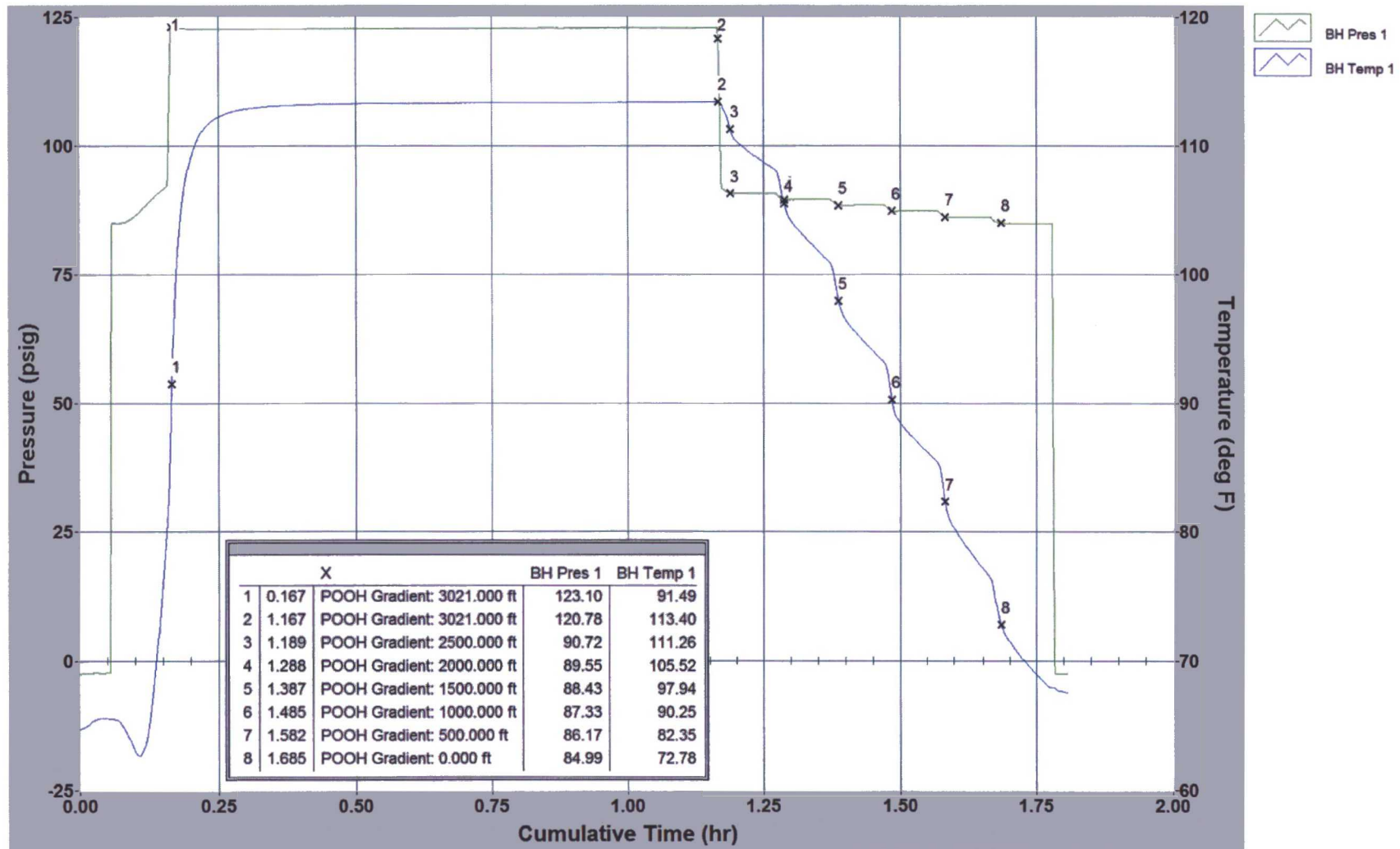
W1035 Depth vs. Temperature



Company Name ConocoPhillips
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 Type of Test POOH Static Gradient
 Date(s) of Test 5/16/17



San Juan 31-6 Unit #225



Company Name ConocoPhillips
Well Name San Juan 31-6 Unit #225
Type of Test POOH Static Gradient
Date(s) of Test 5/16/17



Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2017/05/16	08:01:35	0.0000	-2.432	64.760
2017/05/16	08:02:05	0.0083	-2.417	64.875
2017/05/16	08:02:35	0.0167	-2.306	65.131
2017/05/16	08:03:05	0.0250	-2.265	65.421
2017/05/16	08:03:35	0.0333	-2.282	65.536
2017/05/16	08:04:05	0.0417	-2.285	65.606
2017/05/16	08:04:35	0.0500	-2.278	65.577
2017/05/16	08:05:05	0.0583	84.568	65.529
2017/05/16	08:05:35	0.0667	84.948	65.466
2017/05/16	08:06:05	0.0750	85.066	65.169
2017/05/16	08:06:35	0.0833	85.228	64.564
2017/05/16	08:07:05	0.0917	85.728	63.858
2017/05/16	08:07:35	0.1000	86.451	63.023
2017/05/16	08:08:05	0.1083	87.125	62.692
2017/05/16	08:08:35	0.1167	88.098	63.250
2017/05/16	08:09:05	0.1250	89.065	65.021
2017/05/16	08:09:35	0.1333	89.948	67.896
2017/05/16	08:10:05	0.1417	90.777	71.587
2017/05/16	08:10:35	0.1500	91.467	75.963
2017/05/16	08:11:05	0.1583	92.225	80.755
POOH Gradient: 3021.000 ft				
2017/05/16	08:11:35	0.1667	123.103	91.492
2017/05/16	08:12:05	0.1750	122.862	100.933
2017/05/16	08:12:35	0.1833	122.758	104.950
2017/05/16	08:13:05	0.1917	122.700	107.393
2017/05/16	08:13:35	0.2000	122.674	109.009
2017/05/16	08:14:05	0.2083	122.640	110.062
2017/05/16	08:14:35	0.2167	122.610	110.840
2017/05/16	08:15:05	0.2250	122.599	111.358
2017/05/16	08:15:35	0.2333	122.600	111.736
2017/05/16	08:16:05	0.2417	122.603	112.015
2017/05/16	08:16:35	0.2500	122.612	112.224
2017/05/16	08:17:05	0.2583	122.617	112.392
2017/05/16	08:17:35	0.2667	122.626	112.532
2017/05/16	08:18:05	0.2750	122.624	112.636
2017/05/16	08:18:35	0.2833	122.636	112.723
2017/05/16	08:19:05	0.2917	122.636	112.786
2017/05/16	08:19:35	0.3000	122.652	112.849
2017/05/16	08:20:05	0.3083	122.656	112.899
2017/05/16	08:20:35	0.3167	122.663	112.946
2017/05/16	08:21:05	0.3250	122.658	112.982
2017/05/16	08:21:35	0.3333	122.662	113.018
2017/05/16	08:22:05	0.3417	122.667	113.047
2017/05/16	08:22:35	0.3500	122.669	113.070
2017/05/16	08:23:05	0.3583	122.668	113.094
2017/05/16	08:23:35	0.3667	122.683	113.113
2017/05/16	08:24:05	0.3750	122.676	113.131
2017/05/16	08:24:35	0.3833	122.681	113.144
2017/05/16	08:25:05	0.3917	122.681	113.162
2017/05/16	08:25:35	0.4000	122.686	113.176
2017/05/16	08:26:05	0.4083	122.689	113.187
2017/05/16	08:26:35	0.4167	122.694	113.198
2017/05/16	08:27:05	0.4250	122.694	113.211
2017/05/16	08:27:35	0.4333	122.693	113.216

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2017/05/16	08:28:05	0.4417	122.705	113.223
2017/05/16	08:28:35	0.4500	122.702	113.229
2017/05/16	08:29:05	0.4583	122.711	113.230
2017/05/16	08:29:35	0.4667	122.708	113.239
2017/05/16	08:30:05	0.4750	122.710	113.254
2017/05/16	08:30:35	0.4833	122.710	113.252
2017/05/16	08:31:05	0.4917	122.707	113.259
2017/05/16	08:31:35	0.5000	122.713	113.257
2017/05/16	08:32:05	0.5083	122.716	113.263
2017/05/16	08:32:35	0.5167	122.719	113.265
2017/05/16	08:33:05	0.5250	122.721	113.277
2017/05/16	08:33:35	0.5333	122.754	113.277
2017/05/16	08:34:05	0.5417	122.755	113.275
2017/05/16	08:34:35	0.5500	122.751	113.286
2017/05/16	08:35:05	0.5583	122.751	113.283
2017/05/16	08:35:35	0.5667	122.754	113.284
2017/05/16	08:36:05	0.5750	122.751	113.292
2017/05/16	08:36:35	0.5833	122.751	113.293
2017/05/16	08:37:05	0.5917	122.760	113.297
2017/05/16	08:37:35	0.6000	122.763	113.297
2017/05/16	08:38:05	0.6083	122.757	113.295
2017/05/16	08:38:35	0.6167	122.759	113.302
2017/05/16	08:39:05	0.6250	122.762	113.304
2017/05/16	08:39:35	0.6333	122.771	113.310
2017/05/16	08:40:05	0.6417	122.778	113.302
2017/05/16	08:40:35	0.6500	122.774	113.306
2017/05/16	08:41:05	0.6583	122.771	113.308
2017/05/16	08:41:35	0.6667	122.784	113.306
2017/05/16	08:42:05	0.6750	122.780	113.310
2017/05/16	08:42:35	0.6833	122.789	113.315
2017/05/16	08:43:05	0.6917	122.789	113.319
2017/05/16	08:43:35	0.7000	122.795	113.319
2017/05/16	08:44:05	0.7083	122.801	113.328
2017/05/16	08:44:35	0.7167	122.801	113.320
2017/05/16	08:45:05	0.7250	122.804	113.329
2017/05/16	08:45:35	0.7333	122.804	113.326
2017/05/16	08:46:05	0.7417	122.813	113.329
2017/05/16	08:46:35	0.7500	122.813	113.331
2017/05/16	08:47:05	0.7583	122.810	113.329
2017/05/16	08:47:35	0.7667	122.815	113.340
2017/05/16	08:48:05	0.7750	122.825	113.333
2017/05/16	08:48:35	0.7833	122.816	113.337
2017/05/16	08:49:05	0.7917	122.819	113.337
2017/05/16	08:49:35	0.8000	122.822	113.338
2017/05/16	08:50:05	0.8083	122.819	113.338
2017/05/16	08:50:35	0.8167	122.818	113.342
2017/05/16	08:51:05	0.8250	122.827	113.349
2017/05/16	08:51:35	0.8333	122.830	113.346
2017/05/16	08:52:05	0.8417	122.834	113.344
2017/05/16	08:52:35	0.8500	122.839	113.347
2017/05/16	08:53:05	0.8583	122.836	113.356
2017/05/16	08:53:35	0.8667	122.837	113.346
2017/05/16	08:54:05	0.8750	122.827	113.349
2017/05/16	08:54:35	0.8833	122.833	113.356

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Date(s) of Test 5/16/17



Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2017/05/16	08:55:05	0.8917	122.842	113.353
2017/05/16	08:55:35	0.9000	122.845	113.358
2017/05/16	08:56:05	0.9083	122.845	113.355
2017/05/16	08:56:35	0.9167	122.845	113.356
2017/05/16	08:57:05	0.9250	122.842	113.362
2017/05/16	08:57:35	0.9333	122.845	113.360
2017/05/16	08:58:05	0.9417	122.860	113.362
2017/05/16	08:58:35	0.9500	122.857	113.365
2017/05/16	08:59:05	0.9583	122.863	113.364
2017/05/16	08:59:35	0.9667	122.863	113.364
2017/05/16	09:00:05	0.9750	122.869	113.371
2017/05/16	09:00:35	0.9833	122.869	113.374
2017/05/16	09:01:05	0.9917	122.878	113.373
2017/05/16	09:01:35	1.0000	122.872	113.374
2017/05/16	09:02:05	1.0083	122.869	113.376
2017/05/16	09:02:35	1.0167	122.871	113.378
2017/05/16	09:03:05	1.0250	122.880	113.383
2017/05/16	09:03:35	1.0333	122.871	113.378
2017/05/16	09:04:05	1.0417	122.874	113.385
2017/05/16	09:04:35	1.0500	122.874	113.382
2017/05/16	09:05:05	1.0583	122.883	113.385
2017/05/16	09:05:35	1.0667	122.892	113.389
2017/05/16	09:06:05	1.0750	122.901	113.385
2017/05/16	09:06:35	1.0833	122.898	113.385
2017/05/16	09:07:05	1.0917	122.895	113.387
2017/05/16	09:07:35	1.1000	122.892	113.392
2017/05/16	09:08:05	1.1083	122.886	113.392
2017/05/16	09:08:35	1.1167	122.889	113.392
2017/05/16	09:09:05	1.1250	122.889	113.394
2017/05/16	09:09:35	1.1333	122.898	113.391
2017/05/16	09:10:05	1.1417	122.901	113.398
2017/05/16	09:10:35	1.1500	122.913	113.400
2017/05/16	09:11:05	1.1583	122.910	113.396
POOH Gradient: 3021.000 ft				
2017/05/16	09:11:35	1.1667	120.778	113.403
2017/05/16	09:12:05	1.1750	91.623	113.034
2017/05/16	09:12:35	1.1833	91.012	112.131
POOH Gradient: 2500.000 ft				
2017/05/16	09:12:55	1.1889	90.718	111.265
2017/05/16	09:13:05	1.1917	90.744	110.919
2017/05/16	09:13:35	1.2000	90.699	110.383
2017/05/16	09:14:05	1.2083	90.713	110.037
2017/05/16	09:14:35	1.2167	90.719	109.751
2017/05/16	09:15:05	1.2250	90.720	109.488
2017/05/16	09:15:35	1.2333	90.710	109.229
2017/05/16	09:16:05	1.2417	90.704	108.981
2017/05/16	09:16:35	1.2500	90.728	108.734
2017/05/16	09:17:05	1.2583	90.728	108.495
2017/05/16	09:17:35	1.2667	90.733	108.255
2017/05/16	09:18:05	1.2750	90.467	107.955
2017/05/16	09:18:35	1.2833	89.683	106.480
POOH Gradient: 2000.000 ft				
2017/05/16	09:18:50	1.2875	89.547	105.525
2017/05/16	09:19:05	1.2917	89.550	104.877

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2017/05/16	09:19:35	1.3000	89.566	104.214
2017/05/16	09:20:05	1.3083	89.568	103.743
2017/05/16	09:20:35	1.3167	89.576	103.330
2017/05/16	09:21:05	1.3250	89.598	102.934
2017/05/16	09:21:35	1.3333	89.601	102.560
2017/05/16	09:22:05	1.3417	89.611	102.193
2017/05/16	09:22:35	1.3500	89.616	101.829
2017/05/16	09:23:05	1.3583	89.615	101.464
2017/05/16	09:23:35	1.3667	89.634	101.109
2017/05/16	09:24:05	1.3750	89.320	100.647
2017/05/16	09:24:35	1.3833	88.611	98.989
POOH Gradient: 1500.000 ft				
2017/05/16	09:24:50	1.3875	88.433	97.938
2017/05/16	09:25:05	1.3917	88.450	97.212
2017/05/16	09:25:35	1.4000	88.413	96.496
2017/05/16	09:26:05	1.4083	88.407	95.997
2017/05/16	09:26:35	1.4167	88.451	95.572
2017/05/16	09:27:05	1.4250	88.474	95.175
2017/05/16	09:27:35	1.4333	88.499	94.788
2017/05/16	09:28:05	1.4417	88.488	94.410
2017/05/16	09:28:35	1.4500	88.518	94.041
2017/05/16	09:29:05	1.4583	88.529	93.673
2017/05/16	09:29:35	1.4667	88.540	93.317
2017/05/16	09:30:05	1.4750	88.134	92.737
2017/05/16	09:30:35	1.4833	87.334	90.644
POOH Gradient: 1000.000 ft				
2017/05/16	09:30:40	1.4847	87.330	90.253
2017/05/16	09:31:05	1.4917	87.301	89.065
2017/05/16	09:31:35	1.5000	87.347	88.441
2017/05/16	09:32:05	1.5083	87.382	87.991
2017/05/16	09:32:35	1.5167	87.358	87.600
2017/05/16	09:33:05	1.5250	87.386	87.228
2017/05/16	09:33:35	1.5333	87.406	86.859
2017/05/16	09:34:05	1.5417	87.402	86.508
2017/05/16	09:34:35	1.5500	87.432	86.162
2017/05/16	09:35:05	1.5583	87.420	85.824
2017/05/16	09:35:35	1.5667	87.418	85.485
2017/05/16	09:36:05	1.5750	86.729	84.445
POOH Gradient: 500.000 ft				
2017/05/16	09:36:30	1.5819	86.167	82.350
2017/05/16	09:36:35	1.5833	86.178	82.013
2017/05/16	09:37:05	1.5917	86.112	80.872
2017/05/16	09:37:35	1.6000	86.084	80.208
2017/05/16	09:38:05	1.6083	86.124	79.651
2017/05/16	09:38:35	1.6167	86.161	79.128
2017/05/16	09:39:05	1.6250	86.150	78.638
2017/05/16	09:39:35	1.6333	86.135	78.165
2017/05/16	09:40:05	1.6417	86.165	77.706
2017/05/16	09:40:35	1.6500	86.168	77.248
2017/05/16	09:41:05	1.6583	86.182	76.804
2017/05/16	09:41:35	1.6667	86.068	76.338
2017/05/16	09:42:05	1.6750	85.276	74.611
2017/05/16	09:42:35	1.6833	85.017	72.972
POOH Gradient: 0.000 ft				

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Date(s) of Test 5/16/17



Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2017/05/16	09:42:40	1.6847	84.992	72.783
2017/05/16	09:43:05	1.6917	84.963	72.079
2017/05/16	09:43:35	1.7000	84.951	71.497
2017/05/16	09:44:05	1.7083	84.879	71.004
2017/05/16	09:44:35	1.7167	84.897	70.551
2017/05/16	09:45:05	1.7250	84.909	70.119
2017/05/16	09:45:35	1.7333	84.916	69.708
2017/05/16	09:46:05	1.7417	84.909	69.314
2017/05/16	09:46:35	1.7500	84.927	68.932
2017/05/16	09:47:05	1.7583	84.911	68.567
2017/05/16	09:47:35	1.7667	84.885	68.211
2017/05/16	09:48:05	1.7750	84.921	67.955
2017/05/16	09:48:35	1.7833	-2.466	67.890
2017/05/16	09:49:05	1.7917	-2.549	67.665
2017/05/16	09:49:35	1.8000	-2.524	67.620