

Allison Unit #1 POW
API # 30-045-11411

MIT expires 8/2/17

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	Allison Unit #1 POW
Well Location	T32N, R6W, Sec.17
Field and Pool	Basin Fruitland Coal
Status (Oil, Gas, Water, Injection)	Observation
Perforated Intervals	3064-3114
Mid-point of Perforated Intervals (MPP)	
Drilling Rig Number	
Elevations	
Kelly Bushing (KB)	
Casing Flange (CF)	
KB-CF	
Ground Level	6547
Plug Back Total Depth	8082
Total Depth	8660
Production Casing	7 to 3240
Production Tubing	2 3/8 to 2989

TEST INFORMATION

Type of Test	POOH Static Gradient
Date(s) of Test	5/24/17
Dead-weight Gauge Tubing Pressure	200
Dead-weight Gauge Casing Pressure	
Shut-in Date (Duration)	
Date / Time on Bottom	5/24/17 @ 1029
Date / Time off Bottom	5/24/17 @ 1129
Probe Serial Number	W1036
Probe Offset from End of Tool String	0-6000
Run Depth at Probe Pressure Port	3085

PRESSURE TEST RESULTS

Maximum Recorded Probe Pressure	203.0 psig
Maximum Recorded Probe Temperature	116.6 deg F
Final Buildup Pressure	
Gradient Survey Information	
Extrapolated Pressure to MPP	
Final Gradient at Depth	
Job Number	

OIL CONS. DIV DIST. 3
MAY 26 2017

Company Name ConocoPhillips
Well Name Allison Unit #1 POW
Type of Test POOH Static Gradient
Date(s) of Test 5/24/17



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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Date(s) of Test	5/24/17



COMMENTS

Reported By

Expert Downhole Services, Inc.

RIH with 1.50 Impression Block and tagged fill @ 3205 WLM. RIH with BHP gauge to 3085 for 1 hour, then POOH making 5 minute gradient stops as requested.

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Pressure vs. Depth

Probe Serial Number W1036

		(ft)	(psig)	(psi/ft)	(deg F)	(deg F/ft)
		3080.000	197.756	-	116.631	-
1029	1129	3080.000	201.405	-	104.391	-
1129	1134	3000.000	190.649	0.1344	116.559	-0.1521
1135	1140	2500.000	188.651	0.0040	113.364	0.0064
1141	1146	2000.000	186.709	0.0039	106.234	0.0143
1147	1152	1500.000	184.856	0.0037	96.908	0.0187
1153	1158	1000.000	182.974	0.0038	87.280	0.0193
1159	1204	500.000	181.086	0.0038	78.514	0.0175
1205	1210	0.000	179.113	0.0039	68.848	0.0193

Extrapolated to MPP:

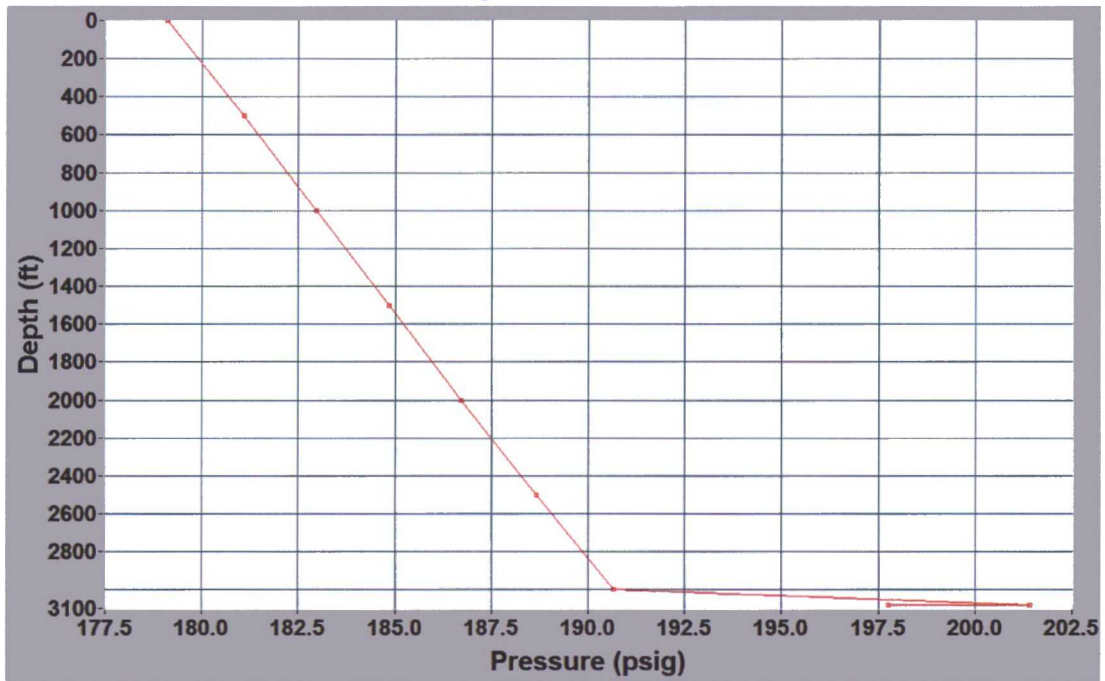
(ft)	(psig)	(deg F)
0.000		

Company Name ConocoPhillips
Well Name Allison Unit #1 POW
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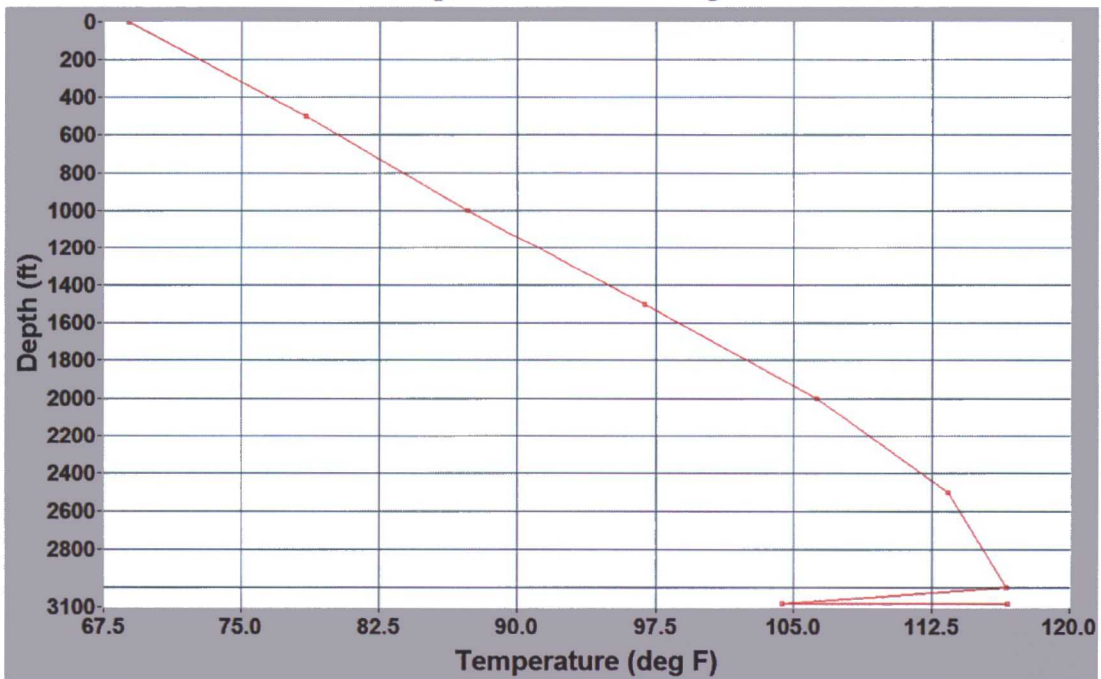


Probe Serial Number W1036

W1036 Depth vs. Pressure



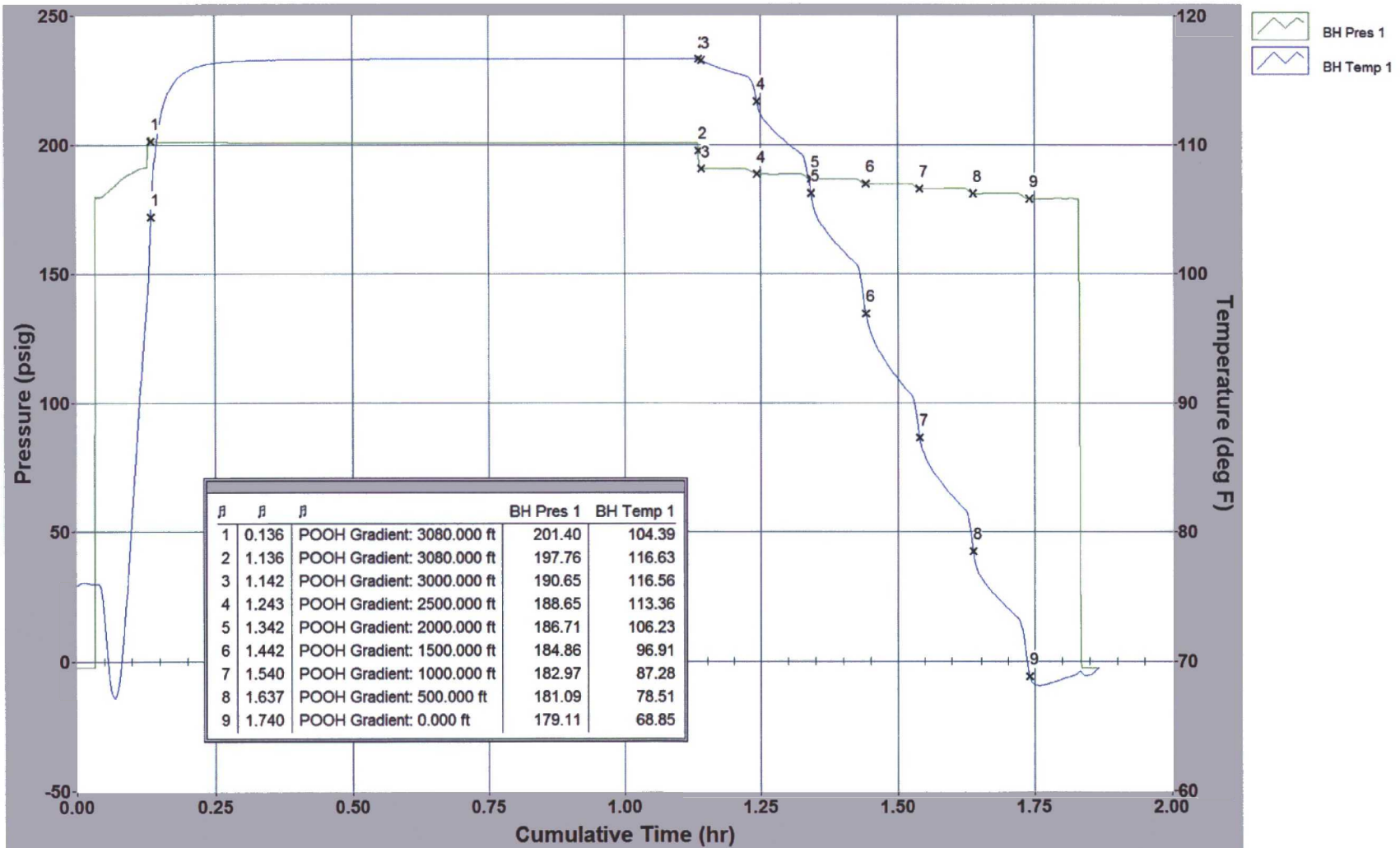
W1036 Depth vs. Temperature



Company Name ConocoPhillips
 Well Name Allison Unit #1 POW
 Type of Test POOH Static Gradient
 Date(s) of Test 5/24/17



Allison Unit #1 POW



Company Name ConocoPhillips
Well Name Allison Unit #1 POW
Type of Test POOH Static Gradient
Date(s) of Test 5/24/17



Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2017/05/24	10:21:20	0.0000	-2.067	75.810
2017/05/24	10:21:50	0.0083	-2.124	76.001
2017/05/24	10:22:20	0.0167	-2.175	76.024
2017/05/24	10:22:50	0.0250	-2.177	75.951
2017/05/24	10:23:20	0.0333	-2.171	75.925
2017/05/24	10:23:50	0.0417	179.534	75.852
2017/05/24	10:24:20	0.0500	180.501	73.366
2017/05/24	10:24:50	0.0583	181.913	69.386
2017/05/24	10:25:20	0.0667	183.487	67.293
2017/05/24	10:25:50	0.0750	185.054	67.962
2017/05/24	10:26:20	0.0833	186.683	70.952
2017/05/24	10:26:50	0.0917	188.081	75.403
2017/05/24	10:27:20	0.1000	189.044	80.658
2017/05/24	10:27:50	0.1083	189.804	85.658
2017/05/24	10:28:20	0.1167	190.751	91.051
2017/05/24	10:28:50	0.1250	191.288	95.970
2017/05/24	10:29:20	0.1333	202.993	101.444
POOH Gradient: 3080.000 ft				
2017/05/24	10:29:30	0.1361	201.405	104.391
2017/05/24	10:29:50	0.1417	201.262	108.489
2017/05/24	10:30:20	0.1500	201.131	111.416
2017/05/24	10:30:50	0.1583	201.108	112.978
2017/05/24	10:31:20	0.1667	201.061	113.947
2017/05/24	10:31:50	0.1750	201.033	114.615
2017/05/24	10:32:20	0.1833	200.995	115.102
2017/05/24	10:32:50	0.1917	200.999	115.428
2017/05/24	10:33:20	0.2000	201.001	115.669
2017/05/24	10:33:50	0.2083	200.997	115.866
2017/05/24	10:34:20	0.2167	200.992	116.002
2017/05/24	10:34:50	0.2250	200.989	116.125
2017/05/24	10:35:20	0.2333	200.980	116.197
2017/05/24	10:35:50	0.2417	200.967	116.271
2017/05/24	10:36:20	0.2500	200.956	116.317
2017/05/24	10:36:50	0.2583	200.948	116.361
2017/05/24	10:37:20	0.2667	200.939	116.400
2017/05/24	10:37:50	0.2750	200.930	116.436
2017/05/24	10:38:20	0.2833	200.926	116.447
2017/05/24	10:38:50	0.2917	200.921	116.469
2017/05/24	10:39:20	0.3000	200.918	116.497
2017/05/24	10:39:50	0.3083	200.905	116.515
2017/05/24	10:40:20	0.3167	200.897	116.528
2017/05/24	10:40:50	0.3250	200.889	116.539
2017/05/24	10:41:20	0.3333	200.907	116.550
2017/05/24	10:41:50	0.3417	200.901	116.553
2017/05/24	10:42:20	0.3500	200.899	116.564
2017/05/24	10:42:50	0.3583	200.885	116.560
2017/05/24	10:43:20	0.3667	200.883	116.569
2017/05/24	10:43:50	0.3750	200.885	116.566
2017/05/24	10:44:20	0.3833	200.883	116.580
2017/05/24	10:44:50	0.3917	200.890	116.596
2017/05/24	10:45:20	0.4000	200.890	116.600
2017/05/24	10:45:50	0.4083	200.879	116.600
2017/05/24	10:46:20	0.4167	200.865	116.605
2017/05/24	10:46:50	0.4250	200.871	116.609

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2017/05/24	10:47:20	0.4333	200.868	116.605
2017/05/24	10:47:50	0.4417	200.869	116.613
2017/05/24	10:48:20	0.4500	200.863	116.613
2017/05/24	10:48:50	0.4583	200.854	116.604
2017/05/24	10:49:20	0.4667	200.854	116.611
2017/05/24	10:49:50	0.4750	200.855	116.614
2017/05/24	10:50:20	0.4833	200.860	116.609
2017/05/24	10:50:50	0.4917	200.863	116.609
2017/05/24	10:51:20	0.5000	200.857	116.607
2017/05/24	10:51:50	0.5083	200.849	116.611
2017/05/24	10:52:20	0.5167	200.852	116.620
2017/05/24	10:52:50	0.5250	200.852	116.616
2017/05/24	10:53:20	0.5333	200.855	116.618
2017/05/24	10:53:50	0.5417	200.852	116.622
2017/05/24	10:54:20	0.5500	200.841	116.620
2017/05/24	10:54:50	0.5583	200.830	116.629
2017/05/24	10:55:20	0.5667	200.836	116.636
2017/05/24	10:55:50	0.5750	200.830	116.629
2017/05/24	10:56:20	0.5833	200.825	116.632
2017/05/24	10:56:50	0.5917	200.822	116.631
2017/05/24	10:57:20	0.6000	200.825	116.631
2017/05/24	10:57:50	0.6083	200.819	116.634
2017/05/24	10:58:20	0.6167	200.822	116.629
2017/05/24	10:58:50	0.6250	200.824	116.623
2017/05/24	10:59:20	0.6333	200.822	116.631
2017/05/24	10:59:50	0.6417	200.819	116.634
2017/05/24	11:00:20	0.6500	200.811	116.641
2017/05/24	11:00:50	0.6583	200.805	116.640
2017/05/24	11:01:20	0.6667	200.808	116.631
2017/05/24	11:01:50	0.6750	200.811	116.636
2017/05/24	11:02:20	0.6833	200.808	116.640
2017/05/24	11:02:50	0.6917	200.809	116.645
2017/05/24	11:03:20	0.7000	200.800	116.638
2017/05/24	11:03:50	0.7083	200.791	116.634
2017/05/24	11:04:20	0.7167	200.796	116.627
2017/05/24	11:04:50	0.7250	200.799	116.631
2017/05/24	11:05:20	0.7333	200.797	116.636
2017/05/24	11:05:50	0.7417	200.794	116.636
2017/05/24	11:06:20	0.7500	200.794	116.634
2017/05/24	11:06:50	0.7583	200.789	116.647
2017/05/24	11:07:20	0.7667	200.797	116.636
2017/05/24	11:07:50	0.7750	200.800	116.638
2017/05/24	11:08:20	0.7833	200.794	116.636
2017/05/24	11:08:50	0.7917	200.797	116.638
2017/05/24	11:09:20	0.8000	200.791	116.627
2017/05/24	11:09:50	0.8083	200.794	116.632
2017/05/24	11:10:20	0.8167	200.794	116.632
2017/05/24	11:10:50	0.8250	200.776	116.629
2017/05/24	11:11:20	0.8333	200.771	116.623
2017/05/24	11:11:50	0.8417	200.771	116.631
2017/05/24	11:12:20	0.8500	200.779	116.631
2017/05/24	11:12:50	0.8583	200.779	116.625
2017/05/24	11:13:20	0.8667	200.782	116.625
2017/05/24	11:13:50	0.8750	200.776	116.627

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Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2017/05/24	11:14:20	0.8833	200.768	116.629
2017/05/24	11:14:50	0.8917	200.773	116.623
2017/05/24	11:15:20	0.9000	200.770	116.622
2017/05/24	11:15:50	0.9083	200.765	116.623
2017/05/24	11:16:20	0.9167	200.762	116.631
2017/05/24	11:16:50	0.9250	200.757	116.629
2017/05/24	11:17:20	0.9333	200.760	116.632
2017/05/24	11:17:50	0.9417	200.762	116.622
2017/05/24	11:18:20	0.9500	200.751	116.623
2017/05/24	11:18:50	0.9583	200.754	116.631
2017/05/24	11:19:20	0.9667	200.754	116.627
2017/05/24	11:19:50	0.9750	200.745	116.625
2017/05/24	11:20:20	0.9833	200.748	116.629
2017/05/24	11:20:50	0.9917	200.748	116.629
2017/05/24	11:21:20	1.0000	200.751	116.627
2017/05/24	11:21:50	1.0083	200.751	116.631
2017/05/24	11:22:20	1.0167	200.745	116.631
2017/05/24	11:22:50	1.0250	200.751	116.627
2017/05/24	11:23:20	1.0333	200.752	116.636
2017/05/24	11:23:50	1.0417	200.748	116.632
2017/05/24	11:24:20	1.0500	200.742	116.623
2017/05/24	11:24:50	1.0583	200.734	116.623
2017/05/24	11:25:20	1.0667	200.737	116.631
2017/05/24	11:25:50	1.0750	200.737	116.627
2017/05/24	11:26:20	1.0833	200.726	116.636
2017/05/24	11:26:50	1.0917	200.720	116.636
2017/05/24	11:27:20	1.1000	200.723	116.627
2017/05/24	11:27:50	1.1083	200.729	116.632
2017/05/24	11:28:20	1.1167	200.728	116.629
2017/05/24	11:28:50	1.1250	200.728	116.631
2017/05/24	11:29:20	1.1333	200.720	116.631
POOH Gradient: 3080.000 ft				
2017/05/24	11:29:30	1.1361	197.756	116.631
POOH Gradient: 3000.000 ft				
2017/05/24	11:29:50	1.1417	190.649	116.559
2017/05/24	11:30:20	1.1500	190.627	116.359
2017/05/24	11:30:50	1.1583	190.613	116.215
2017/05/24	11:31:20	1.1667	190.611	116.073
2017/05/24	11:31:50	1.1750	190.604	115.941
2017/05/24	11:32:20	1.1833	190.598	115.821
2017/05/24	11:32:50	1.1917	190.595	115.709
2017/05/24	11:33:20	1.2000	190.594	115.594
2017/05/24	11:33:50	1.2083	190.592	115.498
2017/05/24	11:34:20	1.2167	190.592	115.401
2017/05/24	11:34:50	1.2250	190.587	115.302
2017/05/24	11:35:20	1.2333	189.739	114.955
2017/05/24	11:35:50	1.2417	188.669	113.662
POOH Gradient: 2500.000 ft				
2017/05/24	11:35:55	1.2431	188.651	113.364
2017/05/24	11:36:20	1.2500	188.611	112.420
2017/05/24	11:36:50	1.2583	188.635	111.853
2017/05/24	11:37:20	1.2667	188.629	111.432
2017/05/24	11:37:50	1.2750	188.617	111.063
2017/05/24	11:38:20	1.2833	188.627	110.723

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2017/05/24	11:38:50	1.2917	188.649	110.412
2017/05/24	11:39:20	1.3000	188.647	110.115
2017/05/24	11:39:50	1.3083	188.645	109.836
2017/05/24	11:40:20	1.3167	188.649	109.560
2017/05/24	11:40:50	1.3250	188.654	109.296
2017/05/24	11:41:20	1.3333	187.642	108.448
POOH Gradient: 2000.000 ft				
2017/05/24	11:41:50	1.3417	186.709	106.234
2017/05/24	11:42:20	1.3500	186.661	104.754
2017/05/24	11:42:50	1.3583	186.686	104.029
2017/05/24	11:43:20	1.3667	186.694	103.480
2017/05/24	11:43:50	1.3750	186.702	103.005
2017/05/24	11:44:20	1.3833	186.731	102.567
2017/05/24	11:44:50	1.3917	186.733	102.162
2017/05/24	11:45:20	1.4000	186.747	101.768
2017/05/24	11:45:50	1.4083	186.757	101.406
2017/05/24	11:46:20	1.4167	186.792	101.048
2017/05/24	11:46:50	1.4250	186.780	100.715
2017/05/24	11:47:20	1.4333	185.642	99.473
POOH Gradient: 1500.000 ft				
2017/05/24	11:47:50	1.4417	184.856	96.908
2017/05/24	11:48:20	1.4500	184.820	95.461
2017/05/24	11:48:50	1.4583	184.809	94.618
2017/05/24	11:49:20	1.4667	184.828	93.940
2017/05/24	11:49:50	1.4750	184.880	93.349
2017/05/24	11:50:20	1.4833	184.883	92.809
2017/05/24	11:50:50	1.4917	184.885	92.314
2017/05/24	11:51:20	1.5000	184.927	91.846
2017/05/24	11:51:50	1.5083	184.928	91.400
2017/05/24	11:52:20	1.5167	184.926	90.981
2017/05/24	11:52:50	1.5250	184.888	90.585
2017/05/24	11:53:20	1.5333	183.654	89.299
POOH Gradient: 1000.000 ft				
2017/05/24	11:53:45	1.5403	182.974	87.280
2017/05/24	11:53:50	1.5417	182.966	86.941
2017/05/24	11:54:20	1.5500	182.960	85.800
2017/05/24	11:54:50	1.5583	182.985	85.125
2017/05/24	11:55:20	1.5667	183.013	84.567
2017/05/24	11:55:50	1.5750	183.023	84.072
2017/05/24	11:56:20	1.5833	183.033	83.608
2017/05/24	11:56:50	1.5917	183.049	83.165
2017/05/24	11:57:20	1.6000	183.060	82.758
2017/05/24	11:57:50	1.6083	183.061	82.364
2017/05/24	11:58:20	1.6167	183.067	81.975
2017/05/24	11:58:50	1.6250	182.794	81.581
2017/05/24	11:59:20	1.6333	181.460	79.819
POOH Gradient: 500.000 ft				
2017/05/24	11:59:35	1.6375	181.086	78.514
2017/05/24	11:59:50	1.6417	181.075	77.535
2017/05/24	12:00:20	1.6500	181.076	76.617
2017/05/24	12:00:50	1.6583	181.087	76.069
2017/05/24	12:01:20	1.6667	181.093	75.616
2017/05/24	12:01:50	1.6750	181.105	75.209
2017/05/24	12:02:20	1.6833	181.108	74.829

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Date(s) of Test 5/24/17



Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2017/05/24	12:02:50	1.6917	181.115	74.467
2017/05/24	12:03:20	1.7000	181.120	74.116
2017/05/24	12:03:50	1.7083	181.124	73.774
2017/05/24	12:04:20	1.7167	181.131	73.441
2017/05/24	12:04:50	1.7250	180.524	72.889
2017/05/24	12:05:20	1.7333	179.350	70.623
POOH Gradient: 0.000 ft				
2017/05/24	12:05:45	1.7403	179.113	68.848
2017/05/24	12:05:50	1.7417	179.101	68.648
2017/05/24	12:06:20	1.7500	179.081	68.184
2017/05/24	12:06:50	1.7583	179.089	68.131
2017/05/24	12:07:20	1.7667	179.105	68.182
2017/05/24	12:07:50	1.7750	179.115	68.272
2017/05/24	12:08:20	1.7833	179.123	68.387
2017/05/24	12:08:50	1.7917	179.133	68.504
2017/05/24	12:09:20	1.8000	179.125	68.625
2017/05/24	12:09:50	1.8083	179.119	68.742
2017/05/24	12:10:20	1.8167	179.132	68.862
2017/05/24	12:10:50	1.8250	179.121	68.986
2017/05/24	12:11:20	1.8333	-0.024	69.228
2017/05/24	12:11:50	1.8417	-2.575	68.891
2017/05/24	12:12:20	1.8500	-2.594	68.958
2017/05/24	12:12:50	1.8583	-2.581	69.197