

JS 27-S Unit 916
API# 30-039-30300

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 27-5 Unit POW 916
Well Location	T27N, R5W, Sec. 8
Field and Pool	MV/DK
Status (Oil, Gas, Water, Injection)	Observation
Perforated Intervals	4564-7876
Mid-point of Perforated Intervals (MPP)	
Drilling Rig Number	
Elevations	
Kelly Bushing (KB)	15
Casing Flange (CF)	
KB-CF	
Ground Level	6599
Plug Back Total Depth	7968
Total Depth	8040
Production Casing	
Production Tubing	2 3/8

TEST INFORMATION

Type of Test	POOH Static Gradient
Date(s) of Test	5/16/16
Dead-weight Gauge Tubing Pressure	140
Dead-weight Gauge Casing Pressure	80
Shut-in Date (Duration)	
Date / Time on Bottom	5/16/16 @0948
Date / Time off Bottom	5/16/16 @1048
Probe Serial Number	W1036
Probe Offset from End of Tool String	0-6000
Run Depth at Probe Pressure Port	6137

PRESSURE TEST RESULTS

Maximum Recorded Probe Pressure	154.0 psig
Maximum Recorded Probe Temperature	164.5 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 27-5 Unit POW 916
Type of Test POOH Static Gradient
Date(s) of Test 5/16/16



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>
-------------	--------------------	---------------	-----------------	----------------

Program Start Time
Program End Time
Total Samples Taken
Usage for this Test
Generic Data File Name

Company Name	ConocoPhillips
Well Name	San Juan 27-5 Unit POW 916
Type of Test	POOH Static Gradient
Date(s) of Test	5/16/16



COMMENTS

Reported By

Expert Downhole Services, Inc.

RIH with 1.50 IB to 6140 WLM. RIH with BHP gauge to 6137 for 1 hour, then POOH making 5 minute gradient stops as requested.

Company Name ConocoPhillips
 Well Name San Juan 27-5 Unit POW 916
 Type of Test POOH Static Gradient
 Date(s) of Test 5/16/16



Pressure vs. Depth

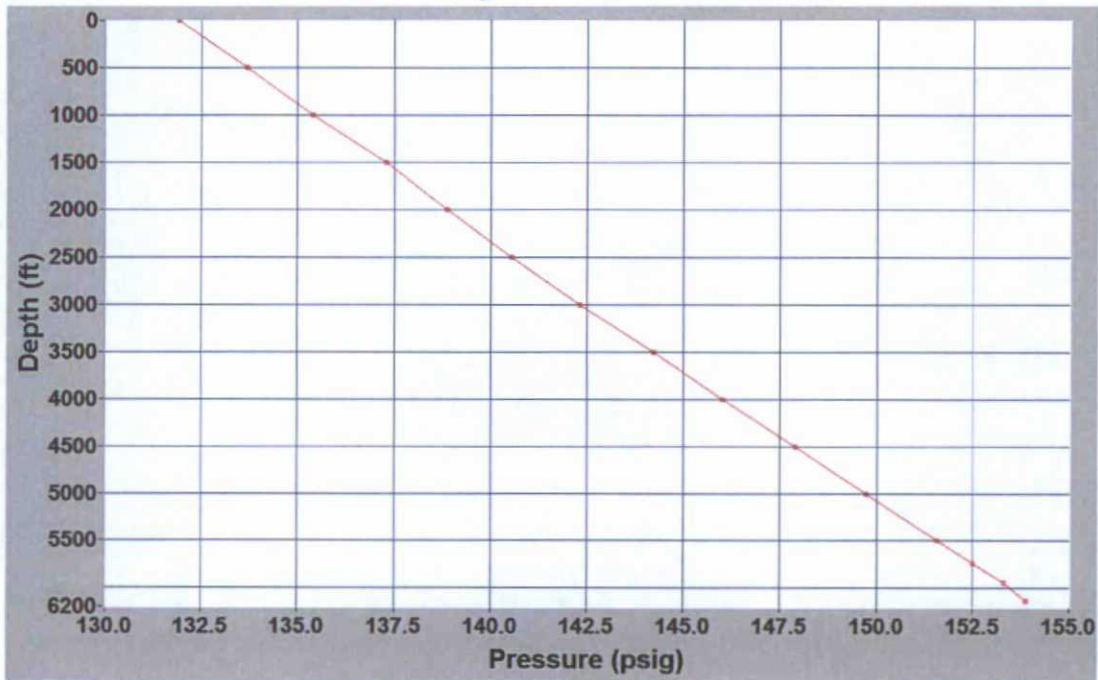
Probe Serial Number W1036

		(ft)	(psig)	(psi/ft)	(deg F)	(deg F/ft)
		6137.000	153.897	-	164.520	-
0948	1048	6137.000	153.887	-	148.861	-
1048	1053	5937.000	153.312	0.0029	164.172	-0.0766
1054	1059	5737.000	152.513	0.0040	162.703	0.0073
1100	1105	5500.000	151.571	0.0040	159.895	0.0118
1105	1110	5000.000	149.735	0.0037	154.533	0.0107
1111	1116	4500.000	147.903	0.0037	147.412	0.0142
1117	1122	4000.000	146.015	0.0038	140.941	0.0129
1123	1128	3500.000	144.234	0.0036	134.913	0.0121
1129	1134	3000.000	142.327	0.0038	124.684	0.0205
1135	1140	2500.000	140.550	0.0036	111.648	0.0261
1141	1146	2000.000	138.877	0.0033	100.481	0.0223
1147	1152	1500.000	137.300	0.0032	92.736	0.0155
1153	1158	1000.000	135.407	0.0038	83.566	0.0183
1158	1203	500.000	133.688	0.0034	75.839	0.0155
		0.000	131.937	0.0035	68.455	0.0148

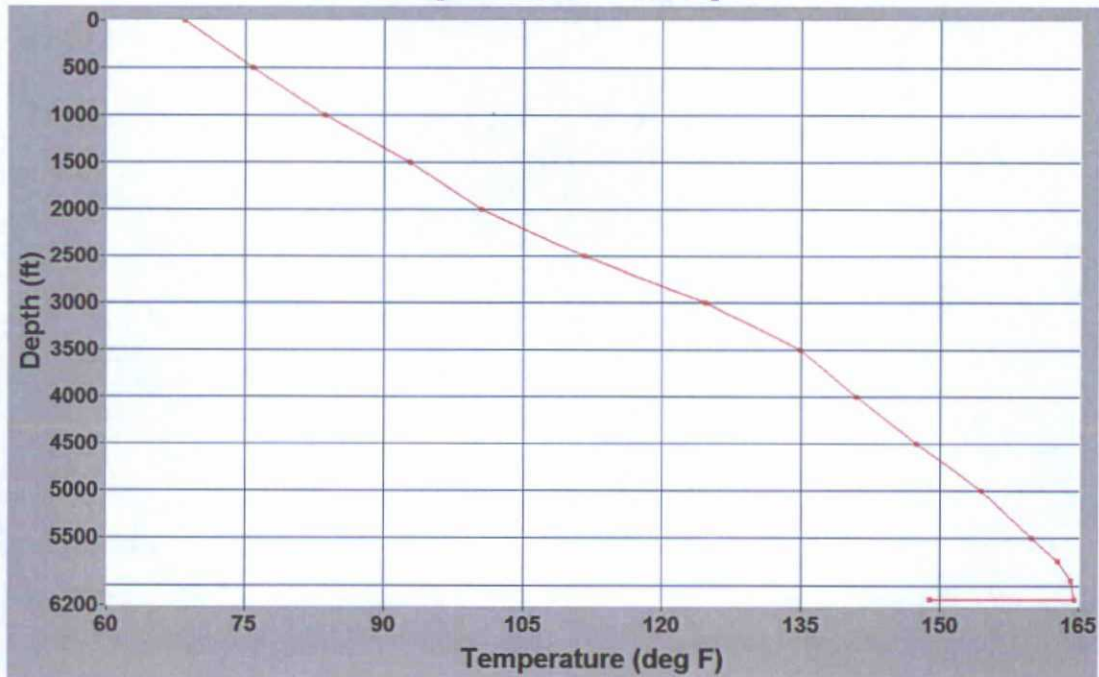
Extrapolated to MPP:

(ft)	(psig)	(deg F)
0.000		

W1036 Depth vs. Pressure



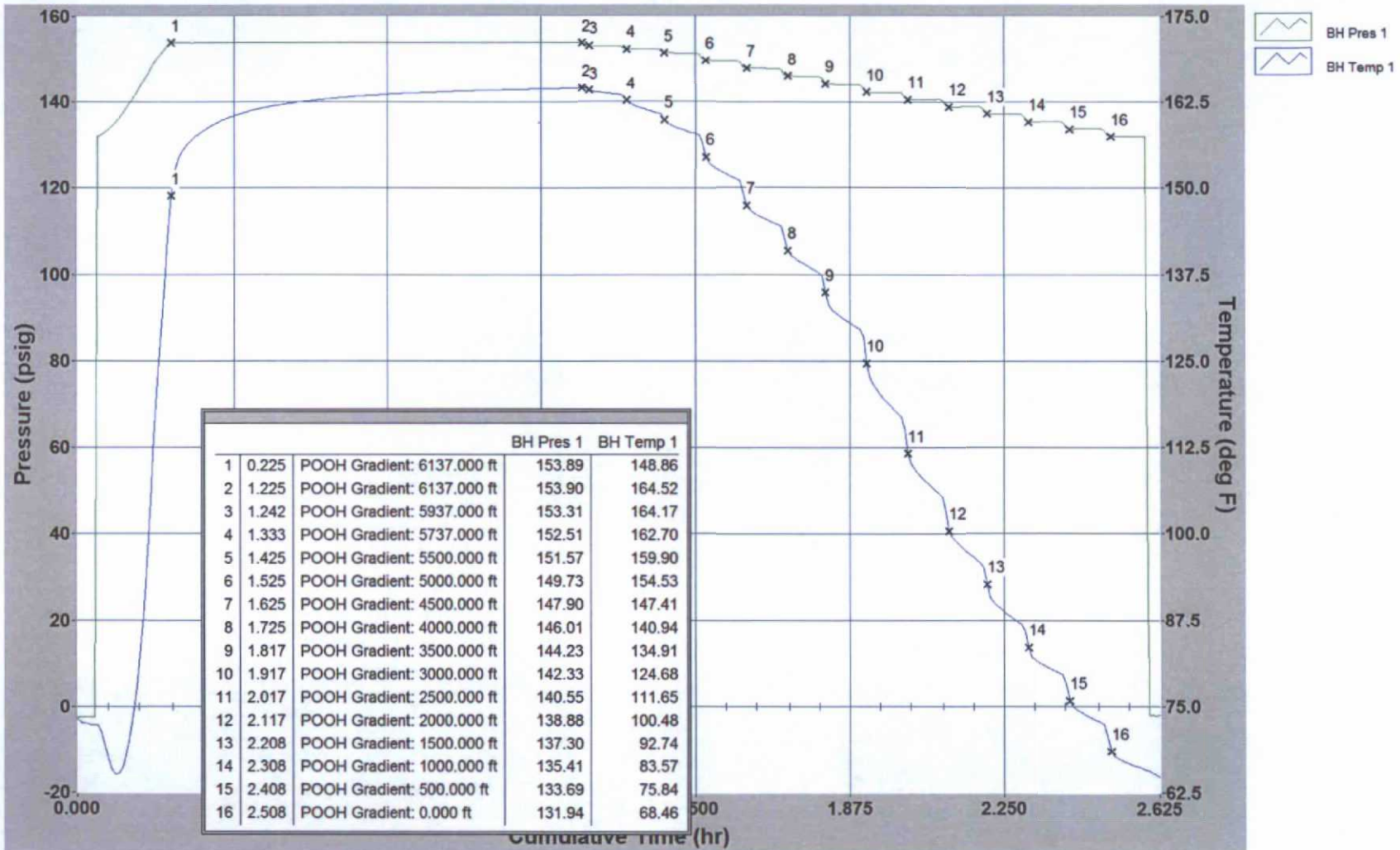
W1036 Depth vs. Temperature



Company Name ConocoPhillips
 Well Name San Juan 27-5 Unit POW 916
 Type of Test POOH Static Gradient
 Date(s) of Test 5/16/16



San Juan 27-5 Unit POW 916



Company Name ConocoPhillips
Well Name San Juan 27-5 Unit POW 916
Type of Test POOH Static Gradient
Date(s) of Test 5/16/16



Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2016/05/16	09:34:35	0.0000	-2.548	73.198
2016/05/16	09:35:35	0.0167	-2.352	72.631
2016/05/16	09:36:35	0.0333	-2.347	72.392
2016/05/16	09:37:35	0.0500	132.069	72.381
2016/05/16	09:38:35	0.0667	132.932	69.244
2016/05/16	09:39:35	0.0833	134.368	65.822
2016/05/16	09:40:35	0.1000	136.178	65.291
2016/05/16	09:41:35	0.1167	138.430	67.991
2016/05/16	09:42:35	0.1333	140.814	73.823
2016/05/16	09:43:35	0.1500	143.360	82.420
2016/05/16	09:44:35	0.1667	146.123	95.850
2016/05/16	09:45:35	0.1833	148.878	113.886
2016/05/16	09:46:35	0.2000	151.255	129.065
2016/05/16	09:47:35	0.2167	153.228	142.842
POOH Gradient: 6137.000 ft				
2016/05/16	09:48:05	0.2250	153.887	148.861
2016/05/16	09:48:35	0.2333	153.923	152.564
2016/05/16	09:49:35	0.2500	153.941	155.214
2016/05/16	09:50:35	0.2667	153.901	156.538
2016/05/16	09:51:35	0.2833	153.886	157.476
2016/05/16	09:52:35	0.3000	153.918	158.207
2016/05/16	09:53:35	0.3167	153.901	158.855
2016/05/16	09:54:35	0.3333	153.912	159.413
2016/05/16	09:55:35	0.3500	153.931	159.885
2016/05/16	09:56:35	0.3667	153.938	160.279
2016/05/16	09:57:35	0.3833	153.951	160.637
2016/05/16	09:58:35	0.4000	153.961	160.936
2016/05/16	09:59:35	0.4167	153.938	161.220
2016/05/16	10:00:35	0.4333	153.945	161.456
2016/05/16	10:01:35	0.4500	153.950	161.674
2016/05/16	10:02:35	0.4667	153.955	161.866
2016/05/16	10:03:35	0.4833	153.961	162.039
2016/05/16	10:04:35	0.5000	153.932	162.203
2016/05/16	10:05:35	0.5167	153.898	162.354
2016/05/16	10:06:35	0.5333	153.909	162.486
2016/05/16	10:07:35	0.5500	153.912	162.610
2016/05/16	10:08:35	0.5667	153.925	162.725
2016/05/16	10:09:35	0.5833	153.925	162.835
2016/05/16	10:10:35	0.6000	153.927	162.930
2016/05/16	10:11:35	0.6167	153.927	163.026
2016/05/16	10:12:35	0.6333	153.926	163.125
2016/05/16	10:13:35	0.6500	153.930	163.198
2016/05/16	10:14:35	0.6667	153.929	163.278
2016/05/16	10:15:35	0.6833	153.927	163.348
2016/05/16	10:16:35	0.7000	153.931	163.420
2016/05/16	10:17:35	0.7167	153.928	163.488
2016/05/16	10:18:35	0.7333	153.925	163.540
2016/05/16	10:19:35	0.7500	153.929	163.605
2016/05/16	10:20:35	0.7667	153.926	163.659
2016/05/16	10:21:35	0.7833	153.926	163.708
2016/05/16	10:22:35	0.8000	153.925	163.753
2016/05/16	10:23:35	0.8167	153.916	163.805
2016/05/16	10:24:35	0.8333	153.916	163.854
2016/05/16	10:25:35	0.8500	153.915	163.888

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2016/05/16	10:26:35	0.8667	153.912	163.933
2016/05/16	10:27:35	0.8833	153.911	163.974
2016/05/16	10:28:35	0.9000	153.910	164.005
2016/05/16	10:29:35	0.9167	153.915	164.050
2016/05/16	10:30:35	0.9333	153.917	164.080
2016/05/16	10:31:35	0.9500	153.913	164.113
2016/05/16	10:32:35	0.9667	153.912	164.149
2016/05/16	10:33:35	0.9833	153.908	164.178
2016/05/16	10:34:35	1.0000	153.903	164.210
2016/05/16	10:35:35	1.0167	153.905	164.233
2016/05/16	10:36:35	1.0333	153.906	164.264
2016/05/16	10:37:35	1.0500	153.905	164.298
2016/05/16	10:38:35	1.0667	153.900	164.314
2016/05/16	10:39:35	1.0833	153.899	164.340
2016/05/16	10:40:35	1.1000	153.894	164.365
2016/05/16	10:41:35	1.1167	153.895	164.388
2016/05/16	10:42:35	1.1333	153.900	164.410
2016/05/16	10:43:35	1.1500	153.898	164.430
2016/05/16	10:44:35	1.1667	153.899	164.458
2016/05/16	10:45:35	1.1833	153.897	164.467
2016/05/16	10:46:35	1.2000	153.895	164.493
2016/05/16	10:47:35	1.2167	153.896	164.509
POOH Gradient: 6137.000 ft				
2016/05/16	10:48:05	1.2250	153.897	164.520
2016/05/16	10:48:35	1.2333	153.436	164.464
POOH Gradient: 5937.000 ft				
2016/05/16	10:49:05	1.2417	153.312	164.172
2016/05/16	10:49:35	1.2500	153.191	164.034
2016/05/16	10:50:35	1.2667	153.176	163.859
2016/05/16	10:51:35	1.2833	153.165	163.717
2016/05/16	10:52:35	1.3000	153.158	163.596
2016/05/16	10:53:35	1.3167	153.149	163.481
POOH Gradient: 5737.000 ft				
2016/05/16	10:54:35	1.3333	152.513	162.703
2016/05/16	10:55:35	1.3500	152.444	162.037
2016/05/16	10:56:35	1.3667	152.416	161.618
2016/05/16	10:57:35	1.3833	152.398	161.267
2016/05/16	10:58:35	1.4000	152.382	160.975
2016/05/16	10:59:35	1.4167	152.058	160.693
POOH Gradient: 5500.000 ft				
2016/05/16	11:00:05	1.4250	151.571	159.895
2016/05/16	11:00:35	1.4333	151.547	159.366
2016/05/16	11:01:35	1.4500	151.523	158.880
2016/05/16	11:02:35	1.4667	151.510	158.504
2016/05/16	11:03:35	1.4833	151.500	158.166
2016/05/16	11:04:35	1.5000	151.491	157.861
2016/05/16	11:05:35	1.5167	150.222	156.614
POOH Gradient: 5000.000 ft				
2016/05/16	11:06:05	1.5250	149.735	154.533
2016/05/16	11:06:35	1.5333	149.693	153.639
2016/05/16	11:07:35	1.5500	149.660	152.883
2016/05/16	11:08:35	1.5667	149.647	152.292
2016/05/16	11:09:35	1.5833	149.631	151.765
2016/05/16	11:10:35	1.6000	149.623	151.272

Company Name ConocoPhillips
Well Name San Juan 27-5 Unit POW 916
Type of Test POOH Static Gradient
Date(s) of Test 5/16/16



Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2016/05/16	11:11:35	1.6167	148.170	149.338
POOH Gradient: 4500.000 ft				
2016/05/16	11:12:05	1.6250	147.903	147.412
2016/05/16	11:12:35	1.6333	147.877	146.750
2016/05/16	11:13:35	1.6500	147.852	146.113
2016/05/16	11:14:35	1.6667	147.840	145.603
2016/05/16	11:15:35	1.6833	147.824	145.132
2016/05/16	11:16:35	1.7000	147.813	144.689
2016/05/16	11:17:35	1.7167	146.323	142.889
POOH Gradient: 4000.000 ft				
2016/05/16	11:18:05	1.7250	146.015	140.941
2016/05/16	11:18:35	1.7333	145.993	140.243
2016/05/16	11:19:35	1.7500	145.974	139.507
2016/05/16	11:20:35	1.7667	145.964	138.904
2016/05/16	11:21:35	1.7833	145.950	138.328
2016/05/16	11:22:35	1.8000	145.943	137.791
POOH Gradient: 3500.000 ft				
2016/05/16	11:23:35	1.8167	144.234	134.913
2016/05/16	11:24:35	1.8333	144.154	132.366
2016/05/16	11:25:35	1.8500	144.141	131.565
2016/05/16	11:26:35	1.8667	144.108	130.865
2016/05/16	11:27:35	1.8833	144.098	130.222
2016/05/16	11:28:35	1.9000	144.087	129.600
POOH Gradient: 3000.000 ft				
2016/05/16	11:29:35	1.9167	142.327	124.684
2016/05/16	11:30:35	1.9333	142.283	121.518
2016/05/16	11:31:35	1.9500	142.275	120.171
2016/05/16	11:32:35	1.9667	142.272	119.014
2016/05/16	11:33:35	1.9833	142.278	117.928
2016/05/16	11:34:35	2.0000	142.275	116.901
POOH Gradient: 2500.000 ft				
2016/05/16	11:35:35	2.0167	140.550	111.648
2016/05/16	11:36:35	2.0333	140.580	109.357
2016/05/16	11:37:35	2.0500	140.593	108.212
2016/05/16	11:38:35	2.0667	140.608	107.224
2016/05/16	11:39:35	2.0833	140.620	106.306
2016/05/16	11:40:35	2.1000	140.326	105.406
POOH Gradient: 2000.000 ft				
2016/05/16	11:41:35	2.1167	138.877	100.481
2016/05/16	11:42:35	2.1333	138.923	98.859
2016/05/16	11:43:35	2.1500	138.949	97.891
2016/05/16	11:44:35	2.1667	138.976	97.041
2016/05/16	11:45:35	2.1833	138.994	96.247
2016/05/16	11:46:35	2.2000	138.370	95.173
POOH Gradient: 1500.000 ft				
2016/05/16	11:47:05	2.2083	137.300	92.736
2016/05/16	11:47:35	2.2167	137.174	90.763
2016/05/16	11:48:35	2.2333	137.187	89.517
2016/05/16	11:49:35	2.2500	137.165	88.686
2016/05/16	11:50:35	2.2667	137.189	87.944
2016/05/16	11:51:35	2.2833	137.212	87.256
2016/05/16	11:52:35	2.3000	136.292	86.000
POOH Gradient: 1000.000 ft				
2016/05/16	11:53:05	2.3083	135.407	83.566

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2016/05/16	11:53:35	2.3167	135.376	82.229
2016/05/16	11:54:35	2.3333	135.411	81.399
2016/05/16	11:55:35	2.3500	135.442	80.827
2016/05/16	11:56:35	2.3667	135.468	80.307
2016/05/16	11:57:35	2.3833	135.493	79.815
2016/05/16	11:58:35	2.4000	134.301	78.168
POOH Gradient: 500.000 ft				
2016/05/16	11:59:05	2.4083	133.688	75.839
2016/05/16	11:59:35	2.4167	133.736	74.941
2016/05/16	12:00:35	2.4333	133.754	74.201
2016/05/16	12:01:35	2.4500	133.781	73.647
2016/05/16	12:02:35	2.4667	133.805	73.128
2016/05/16	12:03:35	2.4833	133.832	72.633
2016/05/16	12:04:35	2.5000	132.336	70.462
POOH Gradient: 0.000 ft				
2016/05/16	12:05:05	2.5083	131.937	68.455
2016/05/16	12:05:35	2.5167	131.968	67.721
2016/05/16	12:06:35	2.5333	131.970	67.145
2016/05/16	12:07:35	2.5500	131.953	66.713
2016/05/16	12:08:35	2.5667	131.979	66.304
2016/05/16	12:09:35	2.5833	131.993	65.930
2016/05/16	12:10:35	2.6000	-2.079	65.682
2016/05/16	12:11:35	2.6167	-2.157	65.071