

MAY 11 2017

SS 27-5 Unit 916
30-039-30300
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 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	5/8/17
Dead-weight Gauge Tubing Pressure	140
Dead-weight Gauge Casing Pressure	NA
Shut-in Date (Duration)	
Date / Time on Bottom	5/8/17 @ 1052
Date / Time off Bottom	5/8/17 @ 1152
Probe Serial Number	W1035
Probe Offset from End of Tool String	0-6000
Run Depth at Probe Pressure Port	6137

PRESSURE TEST RESULTS

Maximum Recorded Probe Pressure	151.5 psig
Maximum Recorded Probe Temperature	164.8 deg F
Final Buildup Pressure	
Gradient Survey Information	
Extrapolated Pressure to MPP	
Final Gradient at Depth	
Job Number	

NMOED TA Expires
6-3-18

AV

8



Probe Serial Number

W1035

Model

Pressure

Calibrated Pressure Range

Accuracy

0.000

Resolution

0.00

Temperature

Calibrated Temperature Range

Accuracy

Resolution

Calibration File Used for Reports

Step	Sample Mode	Period	Duration	Comment
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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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Type of Test	POOH Static Gradient
Date(s) of Test	5/8/17



COMMENTS

Reported By

Expert Downhole Services, Inc

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

Company Name ConocoPhillips
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 Type of Test POOH Static Gradient
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Pressure vs. Depth

Probe Serial Number W1035

		(ft)	(psig)	(psi/ft)	(deg F)	(deg F/ft)
		6137.000	151.333	-	164.826	-
1052	1152	6137.000	151.280	-	148.597	-
1153	1158	5937.000	150.693	0.0029	164.671	-0.0804
1159	1204	5737.000	150.009	0.0034	163.233	0.0072
1204	1209	5500.000	149.065	0.0040	160.486	0.0116
1211	1216	5000.000	147.253	0.0036	154.603	0.0118
1217	1222	4500.000	145.429	0.0036	147.933	0.0133
1223	1228	4000.000	143.553	0.0038	141.640	0.0126
1229	1234	3500.000	141.715	0.0037	134.348	0.0146
1235	1240	3000.000	139.858	0.0037	124.542	0.0196
1241	1246	2500.000	138.129	0.0035	112.543	0.0240
1247	1252	2000.000	136.473	0.0033	102.058	0.0210
1253	1258	1500.000	134.837	0.0033	92.404	0.0193
1259	1304	1000.000	133.163	0.0033	84.153	0.0165
1305	1310	500.000	131.306	0.0037	76.278	0.0158

Extrapolated to MPP:

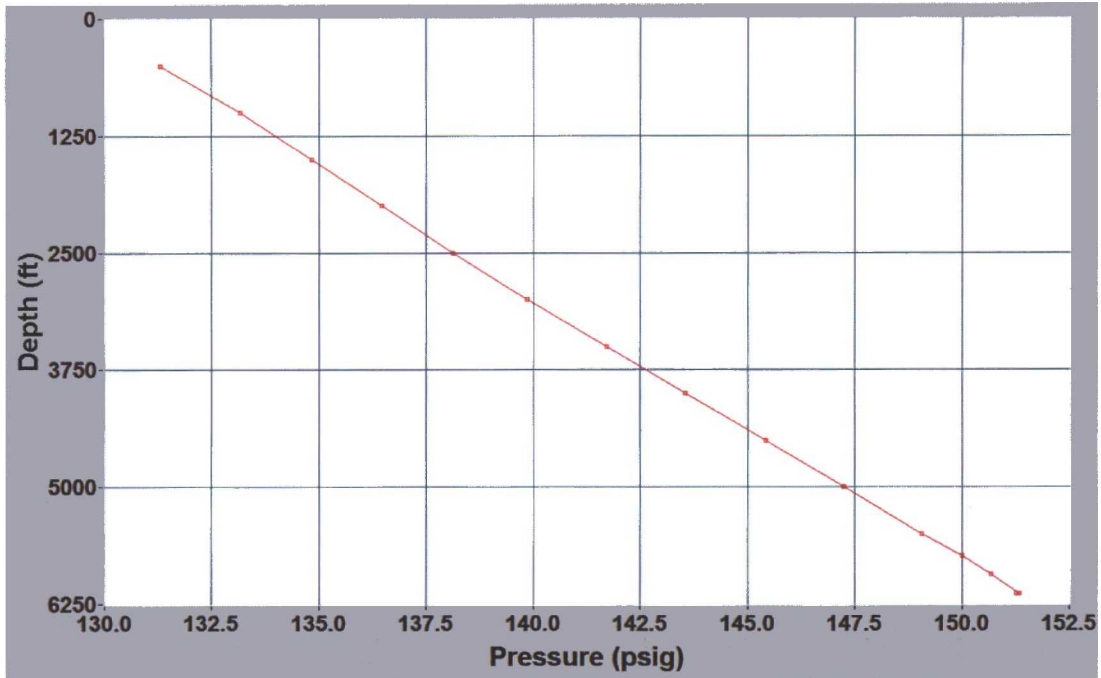
(ft)	(psig)	(deg F)
0.000		

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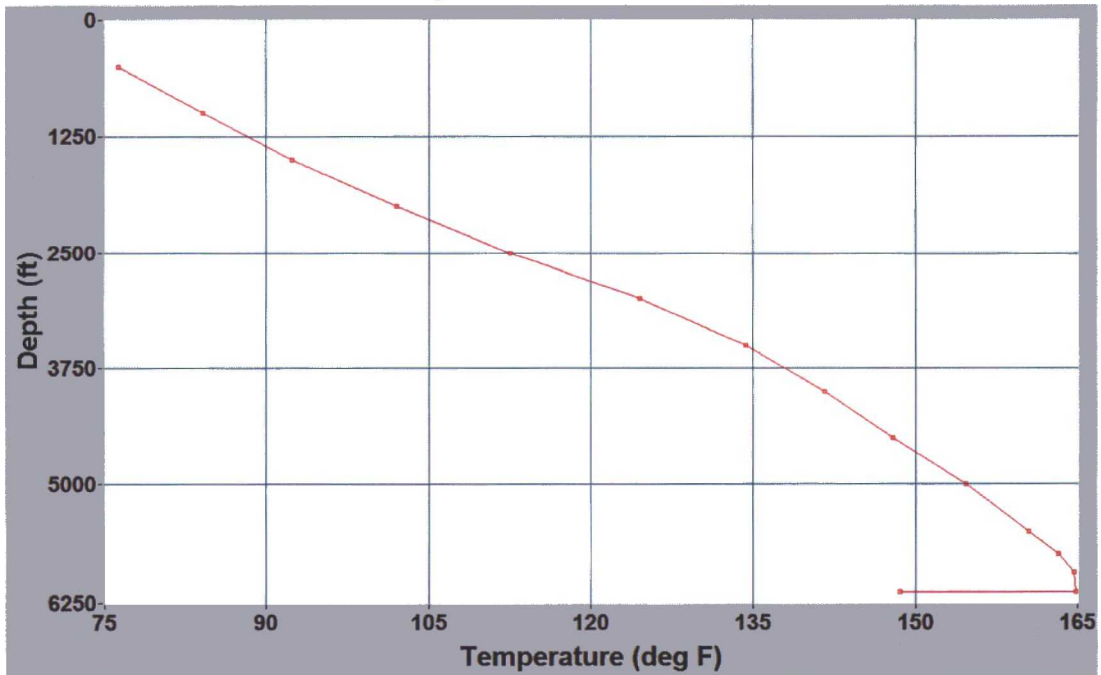


Probe Serial Number W1035

W1035 Depth vs. Pressure



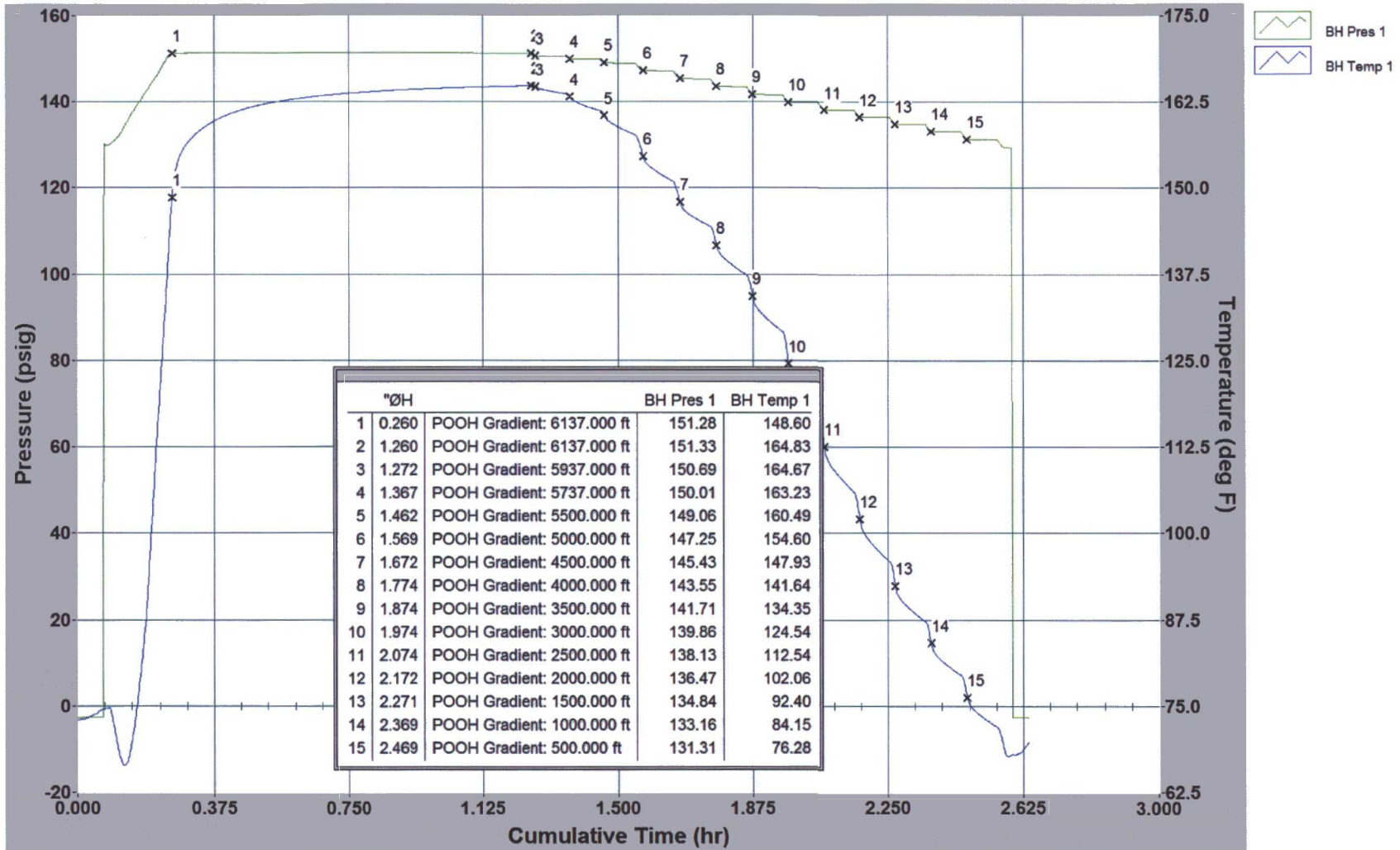
W1035 Depth vs. Temperature



Company Name ConocoPhillips
 Well Name San Juan 27-5 Unit POW 916
 Type of Test POOH Static Gradient
 Date(s) of Test 5/8/17



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 5/8/17



Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2017/05/09	10:37:05	0.0000	-2.737	72.934
2017/05/09	10:38:05	0.0167	-2.528	73.119
2017/05/09	10:39:05	0.0333	-2.585	73.420
2017/05/09	10:40:05	0.0500	-2.544	73.875
2017/05/09	10:41:05	0.0667	-2.550	74.503
2017/05/09	10:42:05	0.0833	129.961	74.701
2017/05/09	10:43:05	0.1000	130.877	72.120
2017/05/09	10:44:05	0.1167	132.371	67.671
2017/05/09	10:45:05	0.1333	134.843	66.546
2017/05/09	10:46:05	0.1500	137.352	70.160
2017/05/09	10:47:05	0.1667	139.561	76.752
2017/05/09	10:48:05	0.1833	141.657	85.176
2017/05/09	10:49:05	0.2000	143.826	98.058
2017/05/09	10:50:05	0.2167	145.901	113.185
2017/05/09	10:51:05	0.2333	148.370	126.761
2017/05/09	10:52:05	0.2500	150.761	141.087
POOH Gradient: 6137.000 ft				
2017/05/09	10:52:40	0.2597	151.280	148.597
2017/05/09	10:53:05	0.2667	151.357	151.812
2017/05/09	10:54:05	0.2833	151.338	154.931
2017/05/09	10:55:05	0.3000	151.356	156.416
2017/05/09	10:56:05	0.3167	151.397	157.435
2017/05/09	10:57:05	0.3333	151.425	158.234
2017/05/09	10:58:05	0.3500	151.436	158.907
2017/05/09	10:59:05	0.3667	151.441	159.462
2017/05/09	11:00:05	0.3833	151.466	159.937
2017/05/09	11:01:05	0.4000	151.464	160.356
2017/05/09	11:02:05	0.4167	151.457	160.723
2017/05/09	11:03:05	0.4333	151.458	161.029
2017/05/09	11:04:05	0.4500	151.461	161.310
2017/05/09	11:05:05	0.4667	151.450	161.568
2017/05/09	11:06:05	0.4833	151.461	161.796
2017/05/09	11:07:05	0.5000	151.465	162.005
2017/05/09	11:08:05	0.5167	151.458	162.185
2017/05/09	11:09:05	0.5333	151.461	162.358
2017/05/09	11:10:05	0.5500	151.460	162.518
2017/05/09	11:11:05	0.5667	151.452	162.662
2017/05/09	11:12:05	0.5833	151.454	162.790
2017/05/09	11:13:05	0.6000	151.448	162.912
2017/05/09	11:14:05	0.6167	151.452	163.027
2017/05/09	11:15:05	0.6333	151.430	163.130
2017/05/09	11:16:05	0.6500	151.440	163.224
2017/05/09	11:17:05	0.6667	151.443	163.328
2017/05/09	11:18:05	0.6833	151.443	163.416
2017/05/09	11:19:05	0.7000	151.424	163.501
2017/05/09	11:20:05	0.7167	151.423	163.571
2017/05/09	11:21:05	0.7333	151.416	163.650
2017/05/09	11:22:05	0.7500	151.419	163.720
2017/05/09	11:23:05	0.7667	151.405	163.785
2017/05/09	11:24:05	0.7833	151.407	163.848
2017/05/09	11:25:05	0.8000	151.403	163.908
2017/05/09	11:26:05	0.8167	151.405	163.967
2017/05/09	11:27:05	0.8333	151.407	164.017
2017/05/09	11:28:05	0.8500	151.415	164.070

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2017/05/09	11:29:05	0.8667	151.401	164.113
2017/05/09	11:30:05	0.8833	151.409	164.169
2017/05/09	11:31:05	0.9000	151.394	164.208
2017/05/09	11:32:05	0.9167	151.389	164.251
2017/05/09	11:33:05	0.9333	151.391	164.295
2017/05/09	11:34:05	0.9500	151.392	164.331
2017/05/09	11:35:05	0.9667	151.384	164.367
2017/05/09	11:36:05	0.9833	151.379	164.404
2017/05/09	11:37:05	1.0000	151.377	164.437
2017/05/09	11:38:05	1.0167	151.368	164.471
2017/05/09	11:39:05	1.0333	151.372	164.494
2017/05/09	11:40:05	1.0500	151.374	164.527
2017/05/09	11:41:05	1.0667	151.365	164.557
2017/05/09	11:42:05	1.0833	151.366	164.583
2017/05/09	11:43:05	1.1000	151.361	164.611
2017/05/09	11:44:05	1.1167	151.355	164.638
2017/05/09	11:45:05	1.1333	151.353	164.660
2017/05/09	11:46:05	1.1500	151.347	164.683
2017/05/09	11:47:05	1.1667	151.348	164.709
2017/05/09	11:48:05	1.1833	151.339	164.732
2017/05/09	11:49:05	1.2000	151.340	164.750
2017/05/09	11:50:05	1.2167	151.347	164.773
2017/05/09	11:51:05	1.2333	151.341	164.791
2017/05/09	11:52:05	1.2500	151.322	164.806
POOH Gradient: 6137.000 ft				
2017/05/09	11:52:40	1.2597	151.333	164.826
2017/05/09	11:53:05	1.2667	150.990	164.799
POOH Gradient: 5937.000 ft				
2017/05/09	11:53:25	1.2722	150.693	164.671
2017/05/09	11:54:05	1.2833	150.622	164.390
2017/05/09	11:55:05	1.3000	150.611	164.178
2017/05/09	11:56:05	1.3167	150.602	163.996
2017/05/09	11:57:05	1.3333	150.593	163.839
2017/05/09	11:58:05	1.3500	150.594	163.695
POOH Gradient: 5737.000 ft				
2017/05/09	11:59:05	1.3667	150.009	163.233
2017/05/09	12:00:05	1.3833	149.914	162.489
2017/05/09	12:01:05	1.4000	149.891	162.091
2017/05/09	12:02:05	1.4167	149.871	161.762
2017/05/09	12:03:05	1.4333	149.862	161.467
2017/05/09	12:04:05	1.4500	149.857	161.217
POOH Gradient: 5500.000 ft				
2017/05/09	12:04:50	1.4625	149.065	160.486
2017/05/09	12:05:05	1.4667	149.043	160.084
2017/05/09	12:06:05	1.4833	149.021	159.359
2017/05/09	12:07:05	1.5000	149.000	158.857
2017/05/09	12:08:05	1.5167	148.990	158.409
2017/05/09	12:09:05	1.5333	148.989	158.014
2017/05/09	12:10:05	1.5500	148.741	157.613
2017/05/09	12:11:05	1.5667	147.303	155.199
POOH Gradient: 5000.000 ft				
2017/05/09	12:11:15	1.5694	147.253	154.603
2017/05/09	12:12:05	1.5833	147.205	153.333
2017/05/09	12:13:05	1.6000	147.176	152.616

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Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2017/05/09	12:14:05	1.6167	147.154	152.031
2017/05/09	12:15:05	1.6333	147.139	151.502
2017/05/09	12:16:05	1.6500	147.126	151.016
2017/05/09	12:17:05	1.6667	145.800	149.104
POOH Gradient: 4500.000 ft				
2017/05/09	12:17:25	1.6722	145.429	147.933
2017/05/09	12:18:05	1.6833	145.361	146.795
2017/05/09	12:19:05	1.7000	145.328	146.097
2017/05/09	12:20:05	1.7167	145.314	145.548
2017/05/09	12:21:05	1.7333	145.307	145.058
2017/05/09	12:22:05	1.7500	145.295	144.608
2017/05/09	12:23:05	1.7667	144.111	143.179
POOH Gradient: 4000.000 ft				
2017/05/09	12:23:30	1.7736	143.553	141.640
2017/05/09	12:24:05	1.7833	143.521	140.468
2017/05/09	12:25:05	1.8000	143.496	139.586
2017/05/09	12:26:05	1.8167	143.469	138.882
2017/05/09	12:27:05	1.8333	143.459	138.232
2017/05/09	12:28:05	1.8500	143.453	137.633
2017/05/09	12:29:05	1.8667	142.346	136.222
POOH Gradient: 3500.000 ft				
2017/05/09	12:29:30	1.8736	141.715	134.348
2017/05/09	12:30:05	1.8833	141.672	132.858
2017/05/09	12:31:05	1.9000	141.643	131.783
2017/05/09	12:32:05	1.9167	141.621	130.955
2017/05/09	12:33:05	1.9333	141.599	130.195
2017/05/09	12:34:05	1.9500	141.586	129.481
2017/05/09	12:35:05	1.9667	140.419	127.458
POOH Gradient: 3000.000 ft				
2017/05/09	12:35:30	1.9736	139.858	124.542
2017/05/09	12:36:05	1.9833	139.857	122.412
2017/05/09	12:37:05	2.0000	139.835	120.871
2017/05/09	12:38:05	2.0167	139.810	119.692
2017/05/09	12:39:05	2.0333	139.807	118.609
2017/05/09	12:40:05	2.0500	139.809	117.586
2017/05/09	12:41:05	2.0667	138.729	115.218
POOH Gradient: 2500.000 ft				
2017/05/09	12:41:30	2.0736	138.129	112.543
2017/05/09	12:42:05	2.0833	138.146	110.595
2017/05/09	12:43:05	2.1000	138.135	109.204
2017/05/09	12:44:05	2.1167	138.144	108.151
2017/05/09	12:45:05	2.1333	138.145	107.188
2017/05/09	12:46:05	2.1500	138.164	106.281
2017/05/09	12:47:05	2.1667	136.935	104.063
POOH Gradient: 2000.000 ft				
2017/05/09	12:47:25	2.1722	136.473	102.058
2017/05/09	12:48:05	2.1833	136.500	100.135
2017/05/09	12:49:05	2.2000	136.511	98.866
2017/05/09	12:50:05	2.2167	136.519	97.851
2017/05/09	12:51:05	2.2333	136.528	96.967
2017/05/09	12:52:05	2.2500	136.538	96.152
2017/05/09	12:53:05	2.2667	135.072	93.706
POOH Gradient: 1500.000 ft				
2017/05/09	12:53:20	2.2708	134.837	92.404

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2017/05/09	12:54:05	2.2833	134.817	90.599
2017/05/09	12:55:05	2.3000	134.823	89.586
2017/05/09	12:56:05	2.3167	134.849	88.783
2017/05/09	12:57:05	2.3333	134.859	88.061
2017/05/09	12:58:05	2.3500	134.873	87.384
2017/05/09	12:59:05	2.3667	133.200	84.965
POOH Gradient: 1000.000 ft				
2017/05/09	12:59:15	2.3694	133.163	84.153
2017/05/09	13:00:05	2.3833	133.141	82.393
2017/05/09	13:01:05	2.4000	133.148	81.520
2017/05/09	13:02:05	2.4167	133.143	80.807
2017/05/09	13:03:05	2.4333	133.118	80.155
2017/05/09	13:04:05	2.4500	133.122	79.543
2017/05/09	13:05:05	2.4667	131.380	76.989
POOH Gradient: 500.000 ft				
2017/05/09	13:05:15	2.4694	131.306	76.278
2017/05/09	13:06:05	2.4833	131.330	74.714
2017/05/09	13:07:05	2.5000	131.306	73.897
2017/05/09	13:08:05	2.5167	131.320	73.240
2017/05/09	13:09:05	2.5333	131.329	72.639
2017/05/09	13:10:05	2.5500	131.304	72.061
2017/05/09	13:11:05	2.5667	129.798	69.831
2017/05/09	13:12:05	2.5833	129.412	67.761
2017/05/09	13:13:05	2.6000	-2.563	67.946
2017/05/09	13:14:05	2.6167	-2.628	68.272
2017/05/09	13:15:05	2.6333	-2.614	69.325