

SS 32-7 Unit 211
API # 30-045-28238

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 32-7 Unit 211
Well Location	T32N, R7W, Sec 35
Field and Pool	Fruitland Coal
Status (Oil, Gas, Water, Injection)	Observation
Perforated Intervals	3213-3336
Mid-point of Perforated Intervals (MPP)	
Drilling Rig Number	
Elevations	
Kelly Bushing (KB)	11
Casing Flange (CF)	
KB-CF	
Ground Level	6547
Plug Back Total Depth	3330
Total Depth	3331
Production Casing	7 to 3185
Production Tubing	2 3/8 to 3075

TEST INFORMATION

Type of Test	POOH Static Gradient
Date(s) of Test	5/20/16
Dead-weight Gauge Tubing Pressure	0
Dead-weight Gauge Casing Pressure	0
Shut-in Date (Duration)	
Date / Time on Bottom	5/20/16@1149
Date / Time off Bottom	5/20/16@1249
Probe Serial Number	W1035
Probe Offset from End of Tool String	0-6000
Run Depth at Probe Pressure Port	3144

PRESSURE TEST RESULTS

Maximum Recorded Probe Pressure	422.0 psig
Maximum Recorded Probe Temperature	110.8 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 32-7 Unit 211
Type of Test POOH Static Gradient
Date(s) of Test 5/20/16



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 @3153 WLM. RIH with memory gauge to 3144 for 1 hour, then POOH making 5 minute gradient stops as requested.

Company Name ConocoPhillips
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Pressure vs. Depth

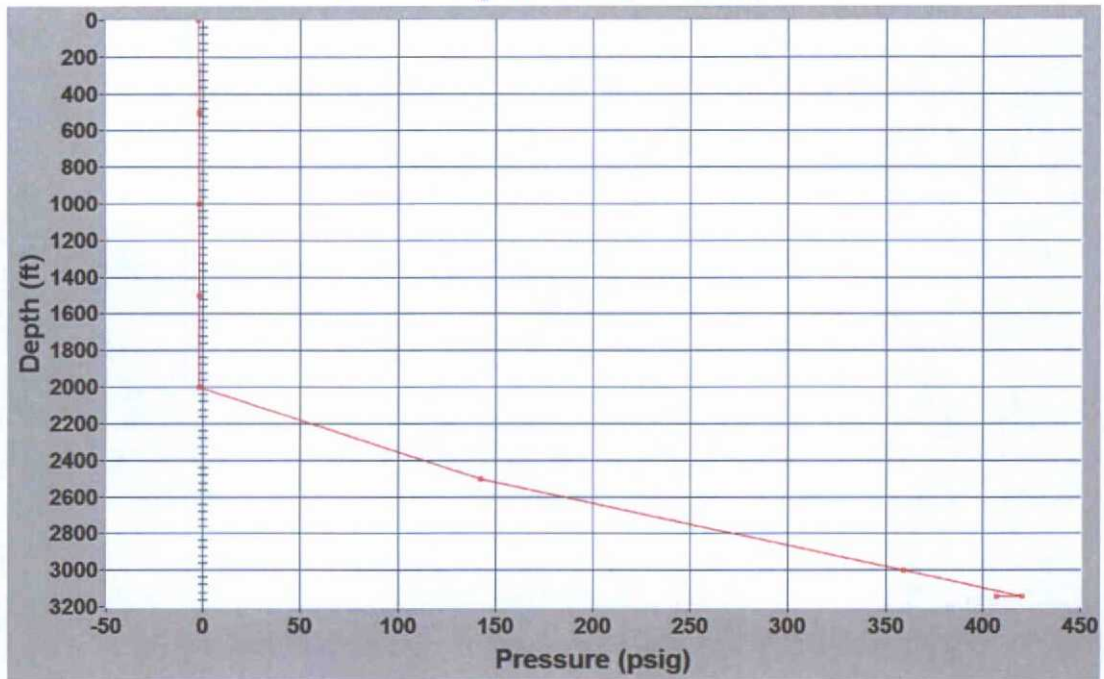
Probe Serial Number W1035

		(ft)	(psig)	(psi/ft)	(deg F)	(deg F/ft)
		3144.000	407.499	-	110.757	-
1149	1249	3144.000	420.315	-	104.113	-
1249	1254	3000.000	358.962	0.4261	110.199	-0.0423
1255	1300	2500.000	142.670	0.4326	102.492	0.0154
1301	1306	2000.000	-1.718	0.2888	94.896	0.0152
1307	1312	1500.000	-1.794	0.0002	90.714	0.0084
1312	1317	1000.000	-1.847	0.0001	86.619	0.0082
1318	1323	500.000	-2.051	0.0004	83.241	0.0068
1324	1330	0.000	-2.249	0.0004	78.989	0.0085

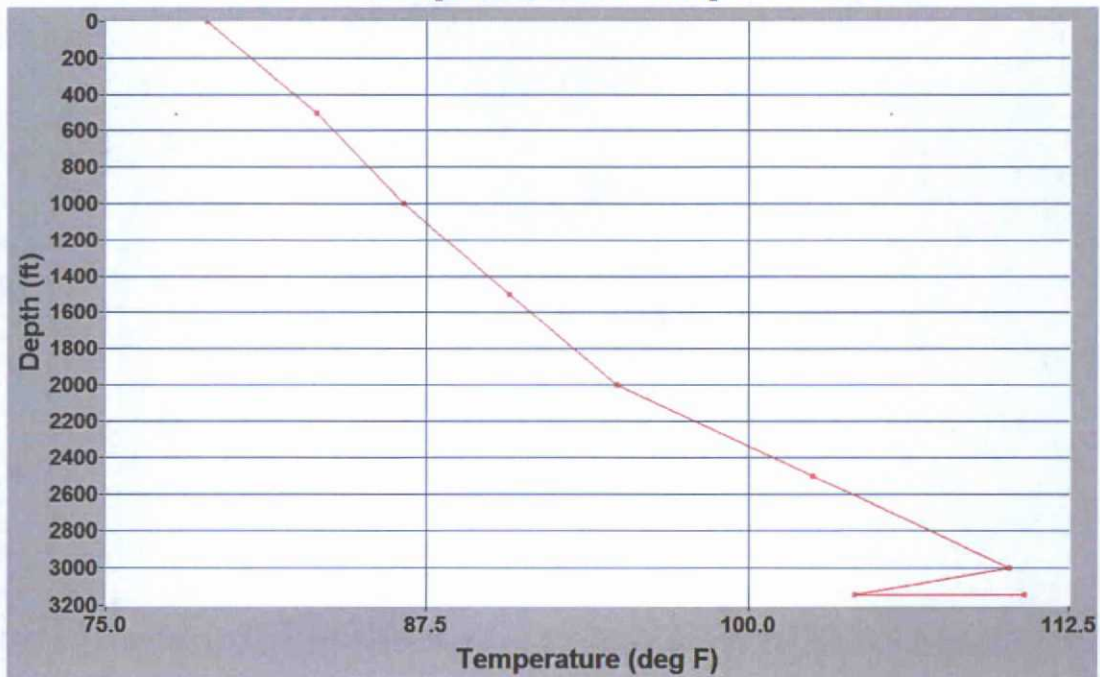
Extrapolated to MPP:

(ft)	(psig)	(deg F)
0.000		

W1035 Depth vs. Pressure



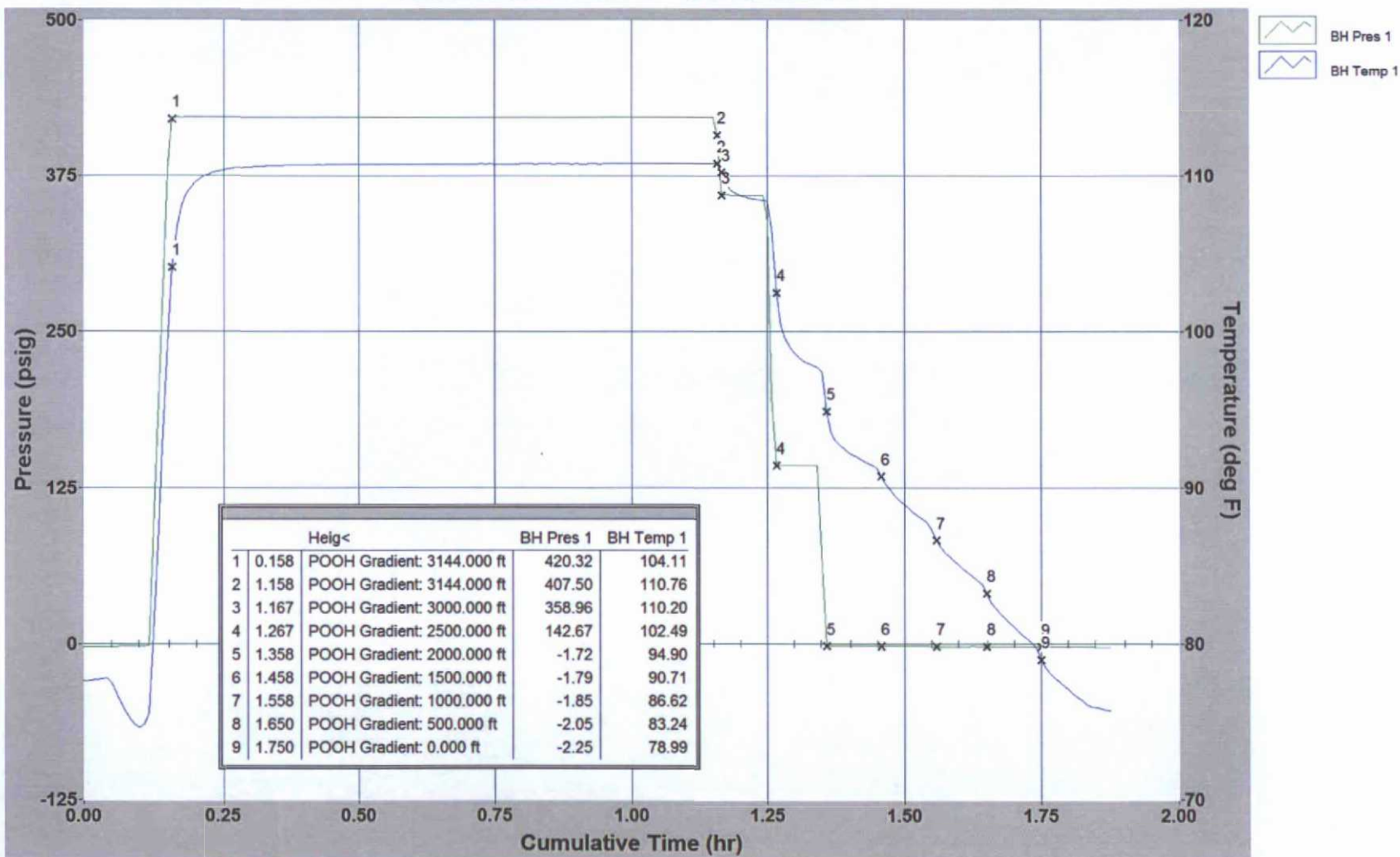
W1035 Depth vs. Temperature



Company Name ConocoPhillips
 Well Name San Juan 32-7 Unit 211
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 Date(s) of Test 5/20/16



San Juan 32-7 Unit #211



Company Name ConocoPhillips
Well Name San Juan 32-7 Unit 211
Type of Test POOH Static Gradient
Date(s) of Test 5/20/16



Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2016/05/20	11:39:35	0.0000	-2.061	77.666
2016/05/20	11:40:05	0.0083	-2.063	77.653
2016/05/20	11:40:35	0.0167	-2.069	77.713
2016/05/20	11:41:05	0.0250	-2.071	77.724
2016/05/20	11:41:35	0.0333	-2.086	77.774
2016/05/20	11:42:05	0.0417	-2.055	77.830
2016/05/20	11:42:35	0.0500	-1.975	77.497
2016/05/20	11:43:05	0.0583	-1.864	76.870
2016/05/20	11:43:35	0.0667	-1.797	76.226
2016/05/20	11:44:05	0.0750	-1.664	75.652
2016/05/20	11:44:35	0.0833	-1.573	75.168
2016/05/20	11:45:05	0.0917	-1.495	74.829
2016/05/20	11:45:35	0.1000	-1.449	74.671
2016/05/20	11:46:05	0.1083	-1.367	74.872
2016/05/20	11:46:35	0.1167	-1.150	75.607
2016/05/20	11:47:05	0.1250	92.812	80.686
2016/05/20	11:47:35	0.1333	193.931	87.444
2016/05/20	11:48:05	0.1417	284.317	93.594
2016/05/20	11:48:35	0.1500	378.249	99.113
POOH Gradient: 3144.000 ft				
2016/05/20	11:49:05	0.1583	420.315	104.113
2016/05/20	11:49:35	0.1667	421.760	106.776
2016/05/20	11:50:05	0.1750	421.546	108.036
2016/05/20	11:50:35	0.1833	421.779	108.774
2016/05/20	11:51:05	0.1917	421.922	109.242
2016/05/20	11:51:35	0.2000	421.877	109.555
2016/05/20	11:52:05	0.2083	421.907	109.791
2016/05/20	11:52:35	0.2167	421.959	109.962
2016/05/20	11:53:05	0.2250	421.986	110.095
2016/05/20	11:53:35	0.2333	421.933	110.194
2016/05/20	11:54:05	0.2417	421.917	110.277
2016/05/20	11:54:35	0.2500	421.933	110.334
2016/05/20	11:55:05	0.2583	421.949	110.395
2016/05/20	11:55:35	0.2667	421.959	110.435
2016/05/20	11:56:05	0.2750	421.968	110.473
2016/05/20	11:56:35	0.2833	421.973	110.500
2016/05/20	11:57:05	0.2917	421.945	110.525
2016/05/20	11:57:35	0.3000	421.949	110.547
2016/05/20	11:58:05	0.3083	421.953	110.568
2016/05/20	11:58:35	0.3167	421.952	110.584
2016/05/20	11:59:05	0.3250	421.955	110.602
2016/05/20	11:59:35	0.3333	421.946	110.613
2016/05/20	12:00:05	0.3417	421.949	110.622
2016/05/20	12:00:35	0.3500	421.952	110.640
2016/05/20	12:01:05	0.3583	421.952	110.649
2016/05/20	12:01:35	0.3667	421.947	110.662
2016/05/20	12:02:05	0.3750	421.942	110.667
2016/05/20	12:02:35	0.3833	421.941	110.671
2016/05/20	12:03:05	0.3917	421.942	110.685
2016/05/20	12:03:35	0.4000	421.940	110.689
2016/05/20	12:04:05	0.4083	421.938	110.692
2016/05/20	12:04:35	0.4167	421.937	110.700
2016/05/20	12:05:05	0.4250	421.918	110.705
2016/05/20	12:05:35	0.4333	421.920	110.701

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2016/05/20	12:06:05	0.4417	421.858	110.707
2016/05/20	12:06:35	0.4500	421.861	110.716
2016/05/20	12:07:05	0.4583	421.855	110.709
2016/05/20	12:07:35	0.4667	421.856	110.719
2016/05/20	12:08:05	0.4750	421.855	110.716
2016/05/20	12:08:35	0.4833	421.857	110.723
2016/05/20	12:09:05	0.4917	421.860	110.723
2016/05/20	12:09:35	0.5000	421.857	110.723
2016/05/20	12:10:05	0.5083	421.859	110.721
2016/05/20	12:10:35	0.5167	421.858	110.725
2016/05/20	12:11:05	0.5250	421.858	110.727
2016/05/20	12:11:35	0.5333	421.857	110.732
2016/05/20	12:12:05	0.5417	421.857	110.730
2016/05/20	12:12:35	0.5500	421.858	110.736
2016/05/20	12:13:05	0.5583	421.863	110.739
2016/05/20	12:13:35	0.5667	421.858	110.736
2016/05/20	12:14:05	0.5750	421.856	110.739
2016/05/20	12:14:35	0.5833	421.853	110.737
2016/05/20	12:15:05	0.5917	421.853	110.739
2016/05/20	12:15:35	0.6000	421.849	110.734
2016/05/20	12:16:05	0.6083	421.854	110.743
2016/05/20	12:16:35	0.6167	421.852	110.736
2016/05/20	12:17:05	0.6250	421.850	110.737
2016/05/20	12:17:35	0.6333	421.847	110.739
2016/05/20	12:18:05	0.6417	421.847	110.746
2016/05/20	12:18:35	0.6500	421.843	110.745
2016/05/20	12:19:05	0.6583	421.839	110.743
2016/05/20	12:19:35	0.6667	421.841	110.748
2016/05/20	12:20:05	0.6750	421.839	110.750
2016/05/20	12:20:35	0.6833	421.841	110.748
2016/05/20	12:21:05	0.6917	421.838	110.748
2016/05/20	12:21:35	0.7000	421.839	110.750
2016/05/20	12:22:05	0.7083	421.837	110.746
2016/05/20	12:22:35	0.7167	421.836	110.750
2016/05/20	12:23:05	0.7250	421.833	110.752
2016/05/20	12:23:35	0.7333	421.832	110.748
2016/05/20	12:24:05	0.7417	421.836	110.752
2016/05/20	12:24:35	0.7500	421.832	110.748
2016/05/20	12:25:05	0.7583	421.834	110.746
2016/05/20	12:25:35	0.7667	421.835	110.748
2016/05/20	12:26:05	0.7750	421.833	110.750
2016/05/20	12:26:35	0.7833	421.833	110.750
2016/05/20	12:27:05	0.7917	421.829	110.750
2016/05/20	12:27:35	0.8000	421.834	110.754
2016/05/20	12:28:05	0.8083	421.838	110.759
2016/05/20	12:28:35	0.8167	421.834	110.755
2016/05/20	12:29:05	0.8250	421.830	110.750
2016/05/20	12:29:35	0.8333	421.833	110.752
2016/05/20	12:30:05	0.8417	421.832	110.755
2016/05/20	12:30:35	0.8500	421.828	110.755
2016/05/20	12:31:05	0.8583	421.823	110.748
2016/05/20	12:31:35	0.8667	421.822	110.754
2016/05/20	12:32:05	0.8750	421.819	110.754
2016/05/20	12:32:35	0.8833	421.815	110.754

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Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2016/05/20	12:33:05	0.8917	421.811	110.750
2016/05/20	12:33:35	0.9000	421.813	110.754
2016/05/20	12:34:05	0.9083	421.814	110.750
2016/05/20	12:34:35	0.9167	421.815	110.750
2016/05/20	12:35:05	0.9250	421.814	110.757
2016/05/20	12:35:35	0.9333	421.816	110.754
2016/05/20	12:36:05	0.9417	421.810	110.746
2016/05/20	12:36:35	0.9500	421.818	110.763
2016/05/20	12:37:05	0.9583	421.819	110.754
2016/05/20	12:37:35	0.9667	421.818	110.759
2016/05/20	12:38:05	0.9750	421.813	110.755
2016/05/20	12:38:35	0.9833	421.813	110.764
2016/05/20	12:39:05	0.9917	421.812	110.763
2016/05/20	12:39:35	1.0000	421.808	110.757
2016/05/20	12:40:05	1.0083	421.810	110.764
2016/05/20	12:40:35	1.0167	421.812	110.763
2016/05/20	12:41:05	1.0250	421.813	110.755
2016/05/20	12:41:35	1.0333	421.810	110.755
2016/05/20	12:42:05	1.0417	421.808	110.759
2016/05/20	12:42:35	1.0500	421.810	110.757
2016/05/20	12:43:05	1.0583	421.808	110.759
2016/05/20	12:43:35	1.0667	421.804	110.757
2016/05/20	12:44:05	1.0750	421.804	110.755
2016/05/20	12:44:35	1.0833	421.807	110.755
2016/05/20	12:45:05	1.0917	421.810	110.757
2016/05/20	12:45:35	1.1000	421.808	110.759
2016/05/20	12:46:05	1.1083	421.810	110.755
2016/05/20	12:46:35	1.1167	421.812	110.759
2016/05/20	12:47:05	1.1250	421.808	110.759
2016/05/20	12:47:35	1.1333	421.808	110.757
2016/05/20	12:48:05	1.1417	421.801	110.766
2016/05/20	12:48:35	1.1500	421.795	110.755
POOH Gradient: 3144.000 ft				
2016/05/20	12:49:05	1.1583	407.499	110.757
POOH Gradient: 3000.000 ft				
2016/05/20	12:49:35	1.1667	358.962	110.199
2016/05/20	12:50:05	1.1750	359.403	109.380
2016/05/20	12:50:35	1.1833	359.324	109.053
2016/05/20	12:51:05	1.1917	359.284	108.878
2016/05/20	12:51:35	1.2000	359.254	108.741
2016/05/20	12:52:05	1.2083	359.232	108.639
2016/05/20	12:52:35	1.2167	359.260	108.554
2016/05/20	12:53:05	1.2250	359.263	108.489
2016/05/20	12:53:35	1.2333	359.252	108.433
2016/05/20	12:54:05	1.2417	359.283	108.388
2016/05/20	12:54:35	1.2500	338.798	108.354
2016/05/20	12:55:05	1.2583	197.936	106.653
POOH Gradient: 2500.000 ft				
2016/05/20	12:55:35	1.2667	142.670	102.492
2016/05/20	12:56:05	1.2750	142.730	100.368
2016/05/20	12:56:35	1.2833	142.717	99.522
2016/05/20	12:57:05	1.2917	142.731	98.983
2016/05/20	12:57:35	1.3000	142.716	98.613
2016/05/20	12:58:05	1.3083	142.713	98.328

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2016/05/20	12:58:35	1.3167	142.717	98.119
2016/05/20	12:59:05	1.3250	142.681	97.952
2016/05/20	12:59:35	1.3333	142.682	97.826
2016/05/20	13:00:05	1.3417	142.682	97.731
2016/05/20	13:00:35	1.3500	61.834	97.414
POOH Gradient: 2000.000 ft				
2016/05/20	13:01:05	1.3583	-1.718	94.896
2016/05/20	13:01:35	1.3667	-1.680	93.551
2016/05/20	13:02:05	1.3750	-1.706	93.020
2016/05/20	13:02:35	1.3833	-1.669	92.689
2016/05/20	13:03:05	1.3917	-1.618	92.442
2016/05/20	13:03:35	1.4000	-1.639	92.242
2016/05/20	13:04:05	1.4083	-1.650	92.052
2016/05/20	13:04:35	1.4167	-1.614	91.888
2016/05/20	13:05:05	1.4250	-1.583	91.731
2016/05/20	13:05:35	1.4333	-1.554	91.589
2016/05/20	13:06:05	1.4417	-1.574	91.440
2016/05/20	13:06:35	1.4500	-1.706	91.247
POOH Gradient: 1500.000 ft				
2016/05/20	13:07:05	1.4583	-1.794	90.714
2016/05/20	13:07:35	1.4667	-1.795	90.198
2016/05/20	13:08:05	1.4750	-1.713	89.830
2016/05/20	13:08:35	1.4833	-1.733	89.497
2016/05/20	13:09:05	1.4917	-1.746	89.215
2016/05/20	13:09:35	1.5000	-1.734	88.936
2016/05/20	13:10:05	1.5083	-1.717	88.677
2016/05/20	13:10:35	1.5167	-1.667	88.425
2016/05/20	13:11:05	1.5250	-1.644	88.191
2016/05/20	13:11:35	1.5333	-1.682	87.969
2016/05/20	13:12:05	1.5417	-1.670	87.746
2016/05/20	13:12:35	1.5500	-1.873	87.343
POOH Gradient: 1000.000 ft				
2016/05/20	13:13:05	1.5583	-1.847	86.619
2016/05/20	13:13:35	1.5667	-1.911	86.176
2016/05/20	13:14:05	1.5750	-1.898	85.860
2016/05/20	13:14:35	1.5833	-1.878	85.577
2016/05/20	13:15:05	1.5917	-1.879	85.302
2016/05/20	13:15:35	1.6000	-1.920	85.042
2016/05/20	13:16:05	1.6083	-1.865	84.789
2016/05/20	13:16:35	1.6167	-1.844	84.544
2016/05/20	13:17:05	1.6250	-1.804	84.304
2016/05/20	13:17:35	1.6333	-1.847	84.070
2016/05/20	13:18:05	1.6417	-1.899	83.824
POOH Gradient: 500.000 ft				
2016/05/20	13:18:35	1.6500	-2.051	83.241
2016/05/20	13:19:05	1.6583	-2.118	82.616
2016/05/20	13:19:35	1.6667	-2.142	82.256
2016/05/20	13:20:05	1.6750	-2.109	81.950
2016/05/20	13:20:35	1.6833	-2.059	81.657
2016/05/20	13:21:05	1.6917	-2.025	81.370
2016/05/20	13:21:35	1.7000	-2.021	81.093
2016/05/20	13:22:05	1.7083	-2.075	80.820
2016/05/20	13:22:35	1.7167	-2.027	80.553
2016/05/20	13:23:05	1.7250	-2.016	80.281

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Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2016/05/20	13:23:35	1.7333	-2.061	80.022
2016/05/20	13:24:05	1.7417	-2.112	79.671
POOH Gradient: 0.000 ft				
2016/05/20	13:24:35	1.7500	-2.249	78.989
2016/05/20	13:25:05	1.7583	-2.263	78.427
2016/05/20	13:25:35	1.7667	-2.258	78.100
2016/05/20	13:26:05	1.7750	-2.293	77.826
2016/05/20	13:26:35	1.7833	-2.234	77.567
2016/05/20	13:27:05	1.7917	-2.181	77.317
2016/05/20	13:27:35	1.8000	-2.212	77.065
2016/05/20	13:28:05	1.8083	-2.273	76.822
2016/05/20	13:28:35	1.8167	-2.221	76.591
2016/05/20	13:29:05	1.8250	-2.184	76.361
2016/05/20	13:29:35	1.8333	-2.236	76.127
2016/05/20	13:30:05	1.8417	-2.250	75.952
2016/05/20	13:30:35	1.8500	-2.487	75.906
2016/05/20	13:31:05	1.8583	-2.482	75.871
2016/05/20	13:31:35	1.8667	-2.463	75.780