

OIL CONS. DIV DIST. 3

MAY 14 2015

Pressure Test Report

COMPANY INFORMATION

Company Name	CONOCOPHILLIPS
Representative	PRISCILLA SHORTY
Phone	
Fax	
Address	

E-Mail Address	
Service Company	PHOENIX SERVICES

WELL INFORMATION

Well Name	SAN JUAN 31-6 UNIT 231
Well Location	T31N, R6W, SEC. 27
Field and Pool	FRUITLAND COAL
Status (Oil, Gas, Water, Injection)	OBSERVATION
Perforated Intervals	3176-3326
Mid-point of Perforated Intervals (MPP)	
Drilling Rig Number	
Elevations	
Kelly Bushing (KB)	
Casing Flange (CF)	
KB-CF	
Ground Level	6448
Plug Back Total Depth	3327
Total Depth	3327
Production Casing	5 1/2 TO 3327
Production Tubing	2 3/8 TO 3264

TEST INFORMATION

Type of Test	POOH STATIC GRADIENT
Date(s) of Test	5/7/15
Dead-weight Gauge Tubing Pressure	0
Dead-weight Gauge Casing Pressure	0
Shut-in Date (Duration)	
Date / Time on Bottom	5/7/15 @ 0927 HRS
Date / Time off Bottom	5/7/15 @ 1027 HRS

Probe Serial Number	W1151
Probe Offset from End of Tool String	0-6000
Run Depth at Probe Pressure Port	3251

PRESSURE TEST RESULTS

Maximum Recorded Probe Pressure	766.0 psig
Maximum Recorded Probe Temperature	115.2 deg F
Final Buildup Pressure	
Gradient Survey Information	
Extrapolated Pressure to MPP	
Final Gradient at Depth	
Job Number	34966WP

Company Name	CONOCOPHILLIPS
Well Name	SAN JUAN 31-6 UNIT 231
Type of Test	POOH STATIC GRADIENT
Date(s) of Test	5/7/15

PROBE INFORMATION

Probe Serial Number	W1151
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
Well Name	SAN JUAN 31-6 UNIT 231
Type of Test	POOH STATIC GRADIENT
Date(s) of Test	5/7/15

COMMENTS

Reported By

PHOENIX SERVICES

RAN 1.75 GR TO 3260'-POOH-RAN TANDEM BHP GAUGES TO 3251'-SET 1 HR-POOH MAKING GRADIENT STOPS

Company Name	CONOCOPHILLIPS
Well Name	SAN JUAN 31-6 UNIT 231
Type of Test	POOH STATIC GRADIENT
Date(s) of Test	5/7/15

Pressure vs. Depth

Probe Serial Number W1151

		(ft)	(psig)	(psi/ft)	(deg F)	(deg F/ft)
0927	1027	3251.000	765.959	-	115.207	-
1027	1032	3000.000	656.074	0.4378	107.751	0.0297
1032	1037	2500.000	440.021	0.4321	97.102	0.0213
1037	1042	2000.000	223.101	0.4338	87.595	0.0190
1042	1047	1500.000	5.925	0.4344	78.485	0.0182
1047	1052	1000.000	0.000	0.0118	76.039	0.0049
1052	1057	500.000	0.000	0.0000	71.505	0.0091
1057	1102	0.000	0.000	0.0000	69.508	0.0040

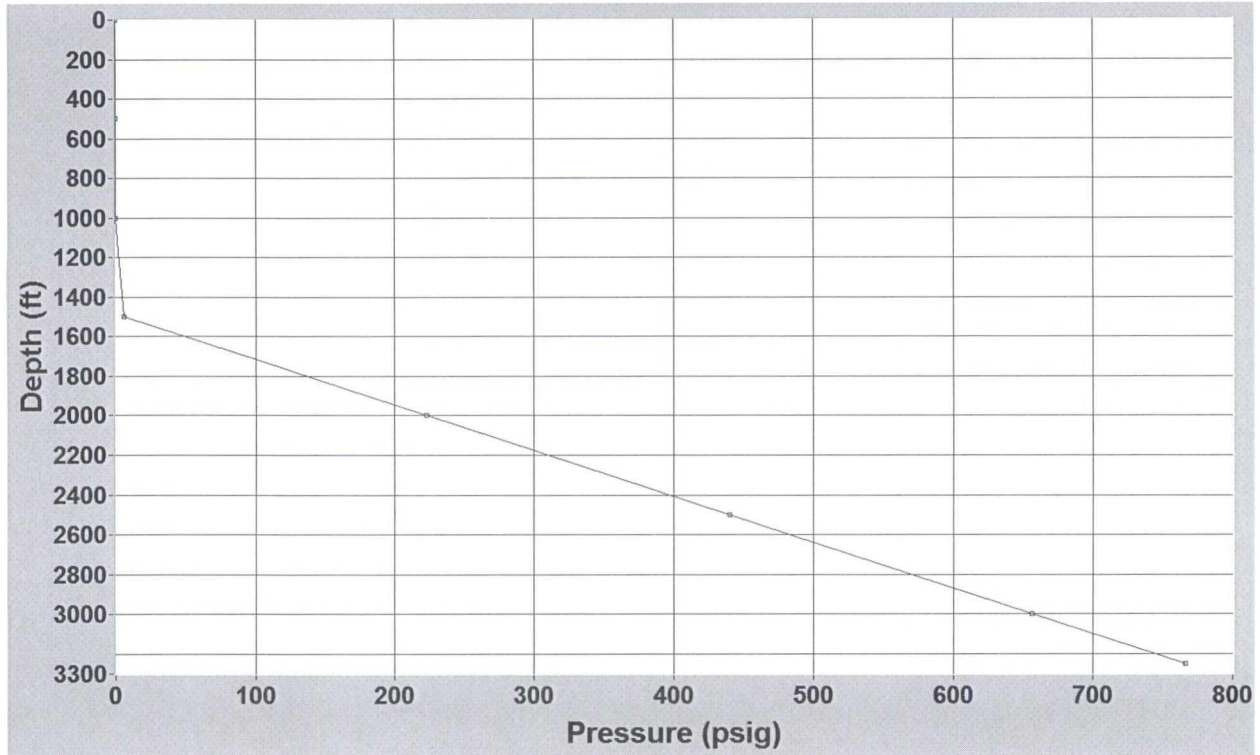
Extrapolated to MPP:

(ft)	(psig)	(deg F)
0.000		

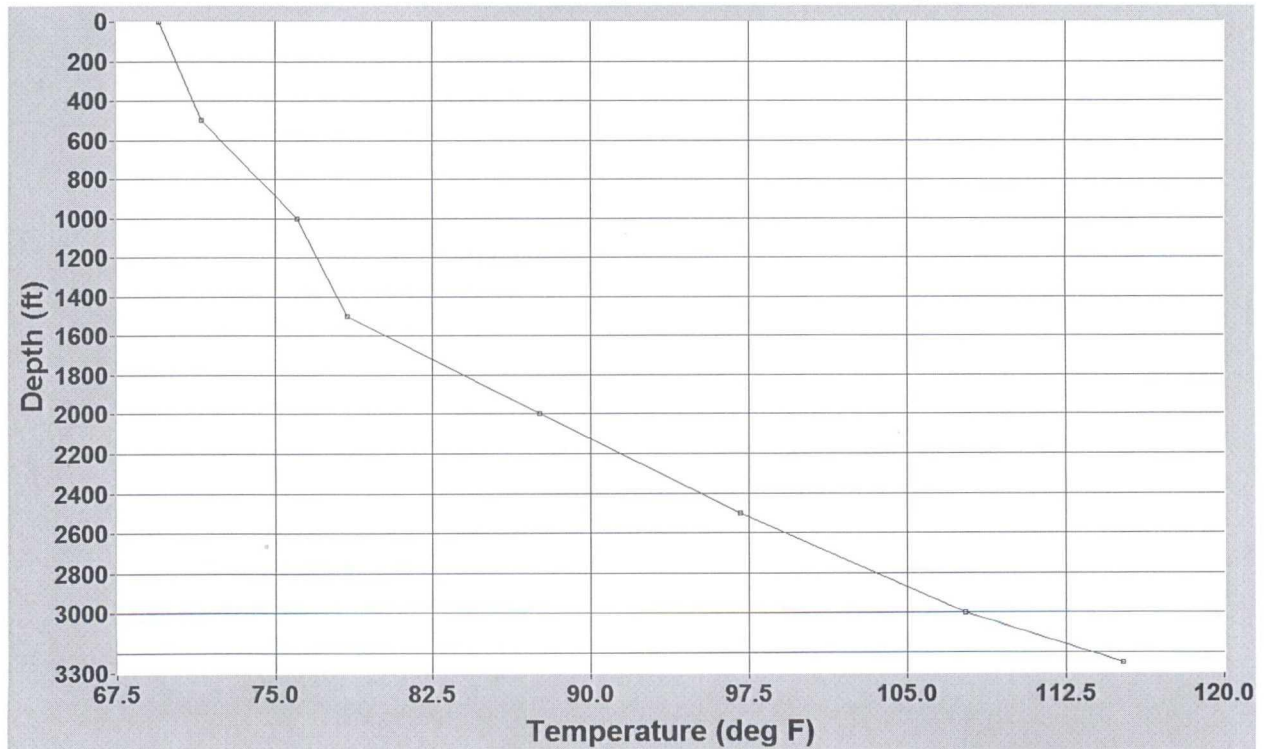
Company Name CONOCOPHILLIPS
Well Name SAN JUAN 31-6 UNIT 231
Type of Test POOH STATIC GRADIENT
Date(s) of Test 5/7/15

Probe Serial Number W1151

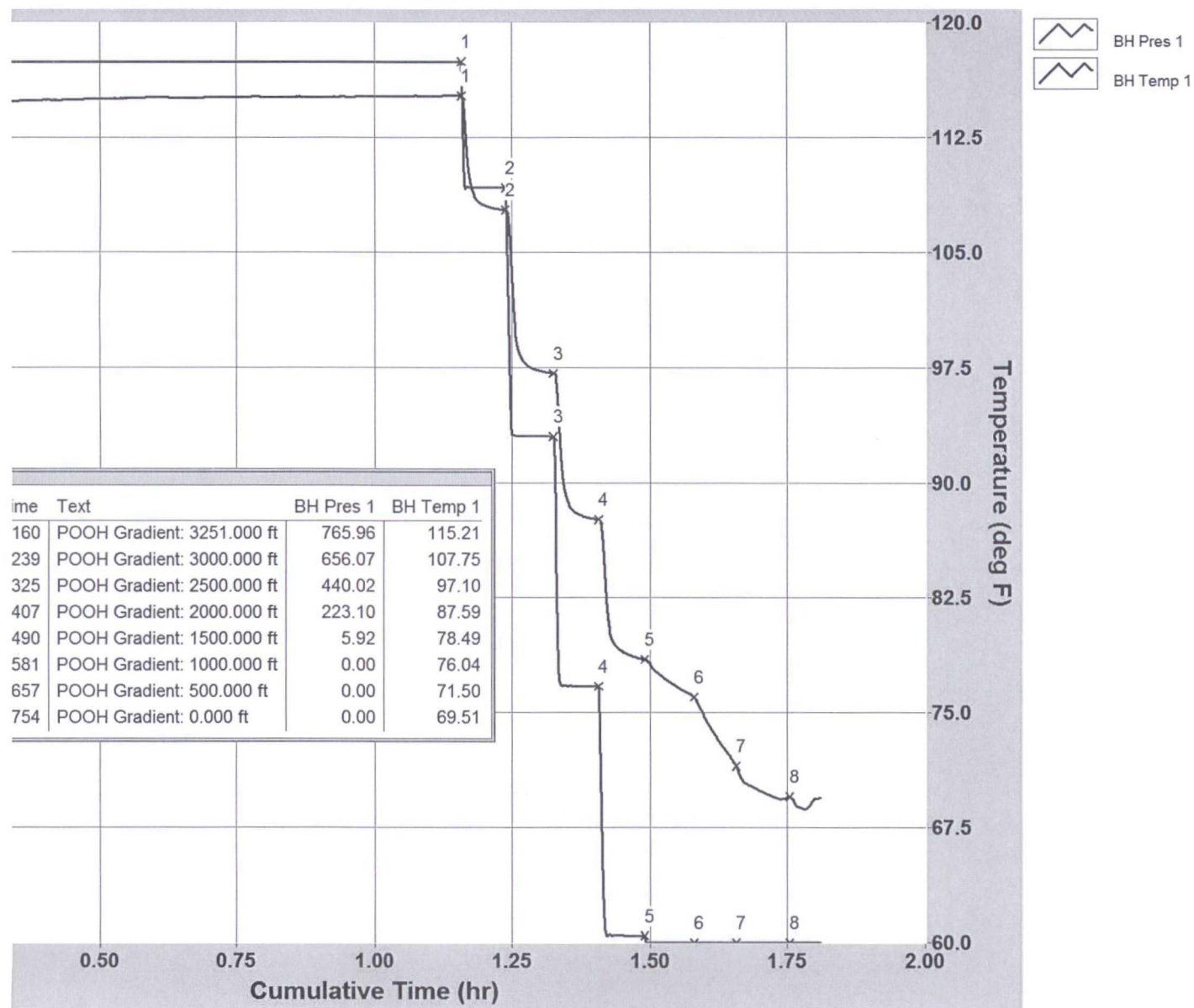
POOH Gradient Depth vs. Pressure



POOH Gradient Depth vs. Temperature



San Juan 31-6 Unit #231



Company Name CONOCOPHILLIPS
Well Name SAN JUAN 31-6 UNIT 231
Type of Test POOH STATIC GRADIENT
Date(s) of Test 5/7/15

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2015/05/07	09:17:05	0.0000	0.000	65.676
2015/05/07	09:17:35	0.0083	0.000	65.759
2015/05/07	09:18:05	0.0167	0.000	65.917
2015/05/07	09:18:35	0.0250	0.000	65.979
2015/05/07	09:19:05	0.0333	0.000	66.052
2015/05/07	09:19:35	0.0417	0.000	66.108
2015/05/07	09:20:05	0.0500	0.000	66.097
2015/05/07	09:20:35	0.0583	0.000	66.015
2015/05/07	09:21:05	0.0667	0.000	65.628
2015/05/07	09:21:35	0.0750	0.000	65.134
2015/05/07	09:22:05	0.0833	0.000	64.728
2015/05/07	09:22:35	0.0917	0.000	64.575
2015/05/07	09:23:05	0.1000	0.000	64.762
2015/05/07	09:23:35	0.1083	45.441	66.562
2015/05/07	09:24:05	0.1167	147.371	75.150
2015/05/07	09:24:35	0.1250	256.025	81.781
2015/05/07	09:25:05	0.1333	369.213	86.923
2015/05/07	09:25:35	0.1417	489.613	92.203
2015/05/07	09:26:05	0.1500	616.863	97.693
2015/05/07	09:26:35	0.1583	741.136	104.099
2015/05/07	09:27:05	0.1667	764.213	110.066
2015/05/07	09:27:35	0.1750	764.886	112.066
2015/05/07	09:28:05	0.1833	765.335	112.863
2015/05/07	09:28:35	0.1917	765.496	113.293
2015/05/07	09:29:05	0.2000	765.571	113.574
2015/05/07	09:29:35	0.2083	765.637	113.765
2015/05/07	09:30:05	0.2167	765.672	113.931
2015/05/07	09:30:35	0.2250	765.687	114.069
2015/05/07	09:31:05	0.2333	765.711	114.192
2015/05/07	09:31:35	0.2417	765.705	114.312
2015/05/07	09:32:05	0.2500	765.719	114.406
2015/05/07	09:32:35	0.2583	765.704	114.472
2015/05/07	09:33:05	0.2667	765.669	114.512
2015/05/07	09:33:35	0.2750	765.698	114.570
2015/05/07	09:34:05	0.2833	765.622	114.643
2015/05/07	09:34:35	0.2917	765.648	114.694
2015/05/07	09:35:05	0.3000	765.648	114.739
2015/05/07	09:35:35	0.3083	765.617	114.746
2015/05/07	09:36:05	0.3167	765.625	114.771
2015/05/07	09:36:35	0.3250	765.641	114.805
2015/05/07	09:37:05	0.3333	765.632	114.818
2015/05/07	09:37:35	0.3417	765.630	114.841
2015/05/07	09:38:05	0.3500	765.623	114.865
2015/05/07	09:38:35	0.3583	765.613	114.890
2015/05/07	09:39:05	0.3667	765.605	114.901
2015/05/07	09:39:35	0.3750	765.594	114.895
2015/05/07	09:40:05	0.3833	765.603	114.915
2015/05/07	09:40:35	0.3917	765.595	114.924
2015/05/07	09:41:05	0.4000	765.561	114.937
2015/05/07	09:41:35	0.4083	765.558	114.940

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2015/05/07	09:42:05	0.4167	765.556	114.935
2015/05/07	09:42:35	0.4250	765.563	114.931
2015/05/07	09:43:05	0.4333	765.555	114.933
2015/05/07	09:43:35	0.4417	765.553	114.939
2015/05/07	09:44:05	0.4500	765.559	114.942
2015/05/07	09:44:35	0.4583	765.558	114.966
2015/05/07	09:45:05	0.4667	765.565	114.978
2015/05/07	09:45:35	0.4750	765.579	115.005
2015/05/07	09:46:05	0.4833	765.568	115.007
2015/05/07	09:46:35	0.4917	765.565	115.021
2015/05/07	09:47:05	0.5000	765.561	115.032
2015/05/07	09:47:35	0.5083	765.535	115.020
2015/05/07	09:48:05	0.5167	765.536	115.027
2015/05/07	09:48:35	0.5250	765.524	115.027
2015/05/07	09:49:05	0.5333	765.522	115.032
2015/05/07	09:49:35	0.5417	765.515	115.032
2015/05/07	09:50:05	0.5500	765.517	115.038
2015/05/07	09:50:35	0.5583	765.531	115.061
2015/05/07	09:51:05	0.5667	765.540	115.072
2015/05/07	09:51:35	0.5750	765.537	115.077
2015/05/07	09:52:05	0.5833	765.535	115.090
2015/05/07	09:52:35	0.5917	765.523	115.101
2015/05/07	09:53:05	0.6000	765.519	115.104
2015/05/07	09:53:35	0.6083	765.517	115.106
2015/05/07	09:54:05	0.6167	765.512	115.102
2015/05/07	09:54:35	0.6250	765.513	115.099
2015/05/07	09:55:05	0.6333	765.502	115.086
2015/05/07	09:55:35	0.6417	765.499	115.077
2015/05/07	09:56:05	0.6500	765.504	115.081
2015/05/07	09:56:35	0.6583	765.495	115.070
2015/05/07	09:57:05	0.6667	765.495	115.061
2015/05/07	09:57:35	0.6750	765.507	115.068
2015/05/07	09:58:05	0.6833	765.508	115.074
2015/05/07	09:58:35	0.6917	765.514	115.097
2015/05/07	09:59:05	0.7000	765.511	115.110
2015/05/07	09:59:35	0.7083	765.507	115.110
2015/05/07	10:00:05	0.7167	765.508	115.111
2015/05/07	10:00:35	0.7250	765.503	115.122
2015/05/07	10:01:05	0.7333	765.511	115.122
2015/05/07	10:01:35	0.7417	765.505	115.120
2015/05/07	10:02:05	0.7500	765.495	115.115
2015/05/07	10:02:35	0.7583	765.493	115.129
2015/05/07	10:03:05	0.7667	765.495	115.128
2015/05/07	10:03:35	0.7750	765.499	115.146
2015/05/07	10:04:05	0.7833	765.499	115.153
2015/05/07	10:04:35	0.7917	765.493	115.149
2015/05/07	10:05:05	0.8000	765.487	115.142
2015/05/07	10:05:35	0.8083	765.475	115.126
2015/05/07	10:06:05	0.8167	765.473	115.115
2015/05/07	10:06:35	0.8250	765.477	115.108

Company Name CONOCOPHILLIPS
Well Name SAN JUAN 31-6 UNIT 231
Type of Test POOH STATIC GRADIENT
Date(s) of Test 5/7/15

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2015/05/07	10:07:05	0.8333	765.483	115.115
2015/05/07	10:07:35	0.8417	765.485	115.119
2015/05/07	10:08:05	0.8500	765.487	115.120
2015/05/07	10:08:35	0.8583	765.494	115.138
2015/05/07	10:09:05	0.8667	765.499	115.149
2015/05/07	10:09:35	0.8750	765.481	115.138
2015/05/07	10:10:05	0.8833	765.474	115.131
2015/05/07	10:10:35	0.8917	765.470	115.142
2015/05/07	10:11:05	0.9000	765.460	115.133
2015/05/07	10:11:35	0.9083	765.465	115.122
2015/05/07	10:12:05	0.9167	765.469	115.128
2015/05/07	10:12:35	0.9250	765.472	115.135
2015/05/07	10:13:05	0.9333	765.484	115.146
2015/05/07	10:13:35	0.9417	765.489	115.156
2015/05/07	10:14:05	0.9500	765.466	115.140
2015/05/07	10:14:35	0.9583	765.465	115.138
2015/05/07	10:15:05	0.9667	765.484	115.155
2015/05/07	10:15:35	0.9750	765.491	115.164
2015/05/07	10:16:05	0.9833	765.485	115.164
2015/05/07	10:16:35	0.9917	765.475	115.160
2015/05/07	10:17:05	1.0000	765.479	115.162
2015/05/07	10:17:35	1.0083	765.472	115.165
2015/05/07	10:18:05	1.0167	765.473	115.162
2015/05/07	10:18:35	1.0250	765.473	115.158
2015/05/07	10:19:05	1.0333	765.476	115.165
2015/05/07	10:19:35	1.0417	765.480	115.171
2015/05/07	10:20:05	1.0500	765.482	115.182
2015/05/07	10:20:35	1.0583	765.475	115.194
2015/05/07	10:21:05	1.0667	765.476	115.196
2015/05/07	10:21:35	1.0750	765.486	115.203
2015/05/07	10:22:05	1.0833	765.476	115.191
2015/05/07	10:22:35	1.0917	765.482	115.200
2015/05/07	10:23:05	1.1000	765.469	115.191
2015/05/07	10:23:35	1.1083	765.473	115.187
2015/05/07	10:24:05	1.1167	765.474	115.192
2015/05/07	10:24:35	1.1250	765.476	115.200
2015/05/07	10:25:05	1.1333	765.477	115.209
2015/05/07	10:25:35	1.1417	765.459	115.210
2015/05/07	10:26:05	1.1500	765.457	115.209
2015/05/07	10:26:35	1.1583	765.462	115.207
POOH Gradient: 3251.000 ft				
2015/05/07	10:26:40	1.1597	765.959	115.207
2015/05/07	10:27:05	1.1667	655.051	113.158
2015/05/07	10:27:35	1.1750	655.979	109.647
2015/05/07	10:28:05	1.1833	656.378	108.651
2015/05/07	10:28:35	1.1917	656.216	108.262
2015/05/07	10:29:05	1.2000	656.109	108.070
2015/05/07	10:29:35	1.2083	656.115	107.951
2015/05/07	10:30:05	1.2167	656.075	107.872
2015/05/07	10:30:35	1.2250	656.099	107.812

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2015/05/07	10:31:05	1.2333	656.084	107.771
POOH Gradient: 3000.000 ft				
2015/05/07	10:31:25	1.2389	656.074	107.751
2015/05/07	10:31:35	1.2417	615.727	107.722
2015/05/07	10:32:05	1.2500	441.969	103.561
2015/05/07	10:32:35	1.2583	440.735	99.295
2015/05/07	10:33:05	1.2667	440.385	98.159
2015/05/07	10:33:35	1.2750	440.272	97.729
2015/05/07	10:34:05	1.2833	440.190	97.507
2015/05/07	10:34:35	1.2917	440.124	97.374
2015/05/07	10:35:05	1.3000	440.088	97.277
2015/05/07	10:35:35	1.3083	440.062	97.212
2015/05/07	10:36:05	1.3167	440.042	97.153
POOH Gradient: 2500.000 ft				
2015/05/07	10:36:35	1.3250	440.021	97.102
2015/05/07	10:37:05	1.3333	269.882	95.504
2015/05/07	10:37:35	1.3417	223.354	90.491
2015/05/07	10:38:05	1.3500	223.377	88.878
2015/05/07	10:38:35	1.3583	223.434	88.295
2015/05/07	10:39:05	1.3667	223.263	88.029
2015/05/07	10:39:35	1.3750	223.217	87.870
2015/05/07	10:40:05	1.3833	223.184	87.768
2015/05/07	10:40:35	1.3917	223.139	87.690
2015/05/07	10:41:05	1.4000	223.122	87.636
POOH Gradient: 2000.000 ft				
2015/05/07	10:41:30	1.4069	223.101	87.595
2015/05/07	10:41:35	1.4083	219.130	87.591
2015/05/07	10:42:05	1.4167	30.137	85.149
2015/05/07	10:42:35	1.4250	6.438	80.800
2015/05/07	10:43:05	1.4333	5.921	79.637
2015/05/07	10:43:35	1.4417	6.116	79.239
2015/05/07	10:44:05	1.4500	6.091	79.014
2015/05/07	10:44:35	1.4583	6.010	78.858
2015/05/07	10:45:05	1.4667	5.981	78.730
2015/05/07	10:45:35	1.4750	5.949	78.618
2015/05/07	10:46:05	1.4833	5.947	78.544
POOH Gradient: 1500.000 ft				
2015/05/07	10:46:30	1.4903	5.925	78.485
2015/05/07	10:46:35	1.4917	1.216	78.469
2015/05/07	10:47:05	1.5000	0.000	78.204
2015/05/07	10:47:35	1.5083	0.000	77.799
2015/05/07	10:48:05	1.5167	0.000	77.522
2015/05/07	10:48:35	1.5250	0.000	77.295
2015/05/07	10:49:05	1.5333	0.000	77.085
2015/05/07	10:49:35	1.5417	0.000	76.879
2015/05/07	10:50:05	1.5500	0.000	76.690
2015/05/07	10:50:35	1.5583	0.000	76.509
2015/05/07	10:51:05	1.5667	0.000	76.334
2015/05/07	10:51:35	1.5750	0.000	76.170
POOH Gradient: 1000.000 ft				

Company Name CONOCOPHILLIPS
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 Type of Test POOH STATIC GRADIENT
 Date(s) of Test 5/7/15

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2015/05/07	10:51:55	1.5806	0.000	76.039
2015/05/07	10:52:05	1.5833	0.000	75.888
2015/05/07	10:52:35	1.5917	0.000	75.250
2015/05/07	10:53:05	1.6000	0.000	74.665
2015/05/07	10:53:35	1.6083	0.000	74.134
2015/05/07	10:54:05	1.6167	0.000	73.645
2015/05/07	10:54:35	1.6250	0.000	73.186
2015/05/07	10:55:05	1.6333	0.000	72.752
2015/05/07	10:55:35	1.6417	0.000	72.338
2015/05/07	10:56:05	1.6500	0.000	71.931
POOH Gradient: 500.000 ft				
2015/05/07	10:56:30	1.6569	0.000	71.505
2015/05/07	10:56:35	1.6583	0.000	71.382
2015/05/07	10:57:05	1.6667	0.000	70.648
2015/05/07	10:57:35	1.6750	0.000	70.383
2015/05/07	10:58:05	1.6833	0.000	70.216
2015/05/07	10:58:35	1.6917	0.000	70.061
2015/05/07	10:59:05	1.7000	0.000	69.910
2015/05/07	10:59:35	1.7083	0.000	69.771
2015/05/07	11:00:05	1.7167	0.000	69.640
2015/05/07	11:00:35	1.7250	0.000	69.516
2015/05/07	11:01:05	1.7333	0.000	69.393
2015/05/07	11:01:35	1.7417	0.000	69.370
2015/05/07	11:02:05	1.7500	0.000	69.447
POOH Gradient: 0.000 ft				
2015/05/07	11:02:20	1.7542	0.000	69.508
2015/05/07	11:02:35	1.7583	0.000	69.409
2015/05/07	11:03:05	1.7667	0.000	68.891
2015/05/07	11:03:35	1.7750	0.000	68.787
2015/05/07	11:04:05	1.7833	0.000	68.698
2015/05/07	11:04:35	1.7917	0.000	68.976
2015/05/07	11:05:05	1.8000	0.000	69.364