

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 30-5 UNIT 213 - API# 30-039-24826
Well Location T30N, R5W, SEC. 5
Field and Pool BASIN FRUITLAND COAL
Status (Oil, Gas, Water, Injection) OBSERVATION
Perforated Intervals 3172-3292
Mid-point of Perforated Intervals (MPP)
Drilling Rig Number
Elevations
 Kelly Bushing (KB)
 Casing Flange (CF)
 KB-CF
 Ground Level 6492
Plug Back Total Depth
Total Depth 3295
Production Casing 5 1/2
Production Tubing 2 3/8 TO 3022

OIL CONS. DIV DIST. 3

JUN 2 2014

TEST INFORMATION

Type of Test POOH STATIC GRADIENT
Date(s) of Test 5/1/14
Dead-weight Gauge Tubing Pressure 245
Dead-weight Gauge Casing Pressure 20
Shut-in Date (Duration)
Date / Time on Bottom 5/1/14 @ 1651 HRS
Date / Time off Bottom 5/1/14 @ 1751 HRS

Probe Serial Number 9736
Probe Offset from End of Tool String 0-6000
Run Depth at Probe Pressure Port 3000

PRESSURE TEST RESULTS

Maximum Recorded Probe Pressure 265.3 psig
Maximum Recorded Probe Temperature 107.8 deg F
Final Buildup Pressure
Gradient Survey Information
 Extrapolated Pressure to MPP
 Final Gradient at Depth
Job Number 31769WP

Company Name	CONOCOPHILLIPS
Well Name	SAN JUAN 30-5 UNIT 213
Type of Test	POOH STATIC GRADIENT
Date(s) of Test	5/1/14

PROBE INFORMATION

Probe Serial Number 9736

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 30-5 UNIT 213
Type of Test	POOH STATIC GRADIENT
Date(s) of Test	5/1/14

COMMENTS

Reported By

PHOENIX SERVICES

RAN 1.657 GR TO 3208'-SET DOWN-RAN TANDEM BHP GAUGES (9736, 9737) TO 3000' SET 1
HR-POOH MAKING GRADIENT STOPS.

Company Name	CONOCOPHILLIPS
Well Name	SAN JUAN 30-5 UNIT 213
Type of Test	POOH STATIC GRADIENT
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Pressure vs. Depth

Probe Serial Number 9736

		(ft)	(psig)	(psi/ft)	(deg F)	(deg F/ft)
1651	1751	3000.000	264.903	-	107.827	-
1753	1758	2500.000	262.017	0.0058	103.581	0.0085
1800	1805	2000.000	258.826	0.0064	96.597	0.0140
1807	1812	1500.000	255.591	0.0065	85.494	0.0222
1813	1818	1000.000	251.836	0.0075	77.306	0.0164
1820	1825	500.000	248.672	0.0063	69.652	0.0153
1827	1832	0.000	245.746	0.0059	66.475	0.0064

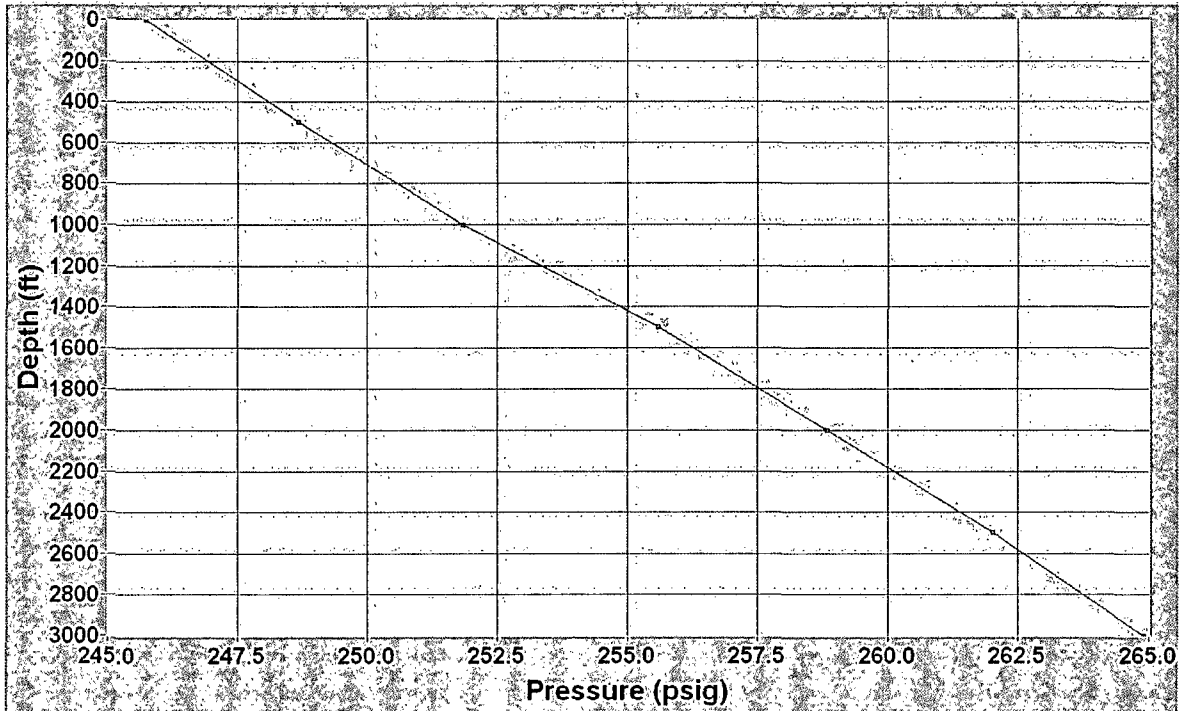
Extrapolated to MPP:

(ft)	(psig)	(deg F)
0.000		

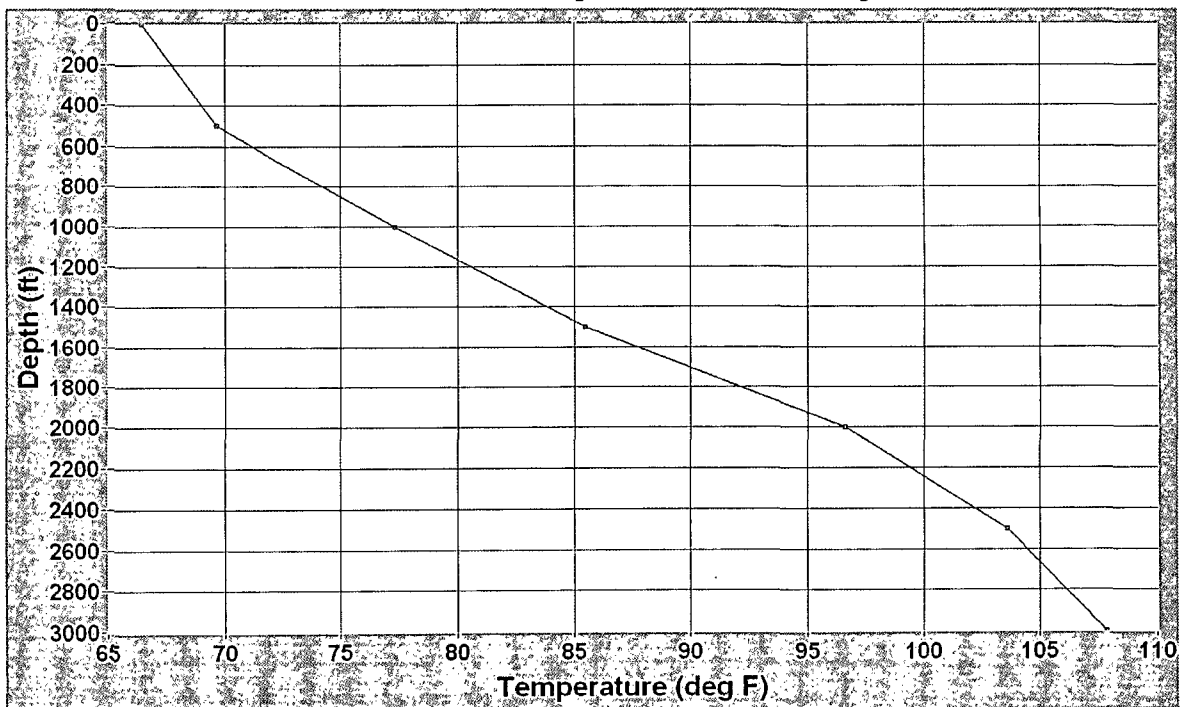
Company Name CONOCOPHILLIPS
Well Name SAN JUAN 30-5 UNIT 213
Type of Test POOH STATIC GRADIENT
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Probe Serial Number 9736

POOH Gradient Depth vs. Pressure

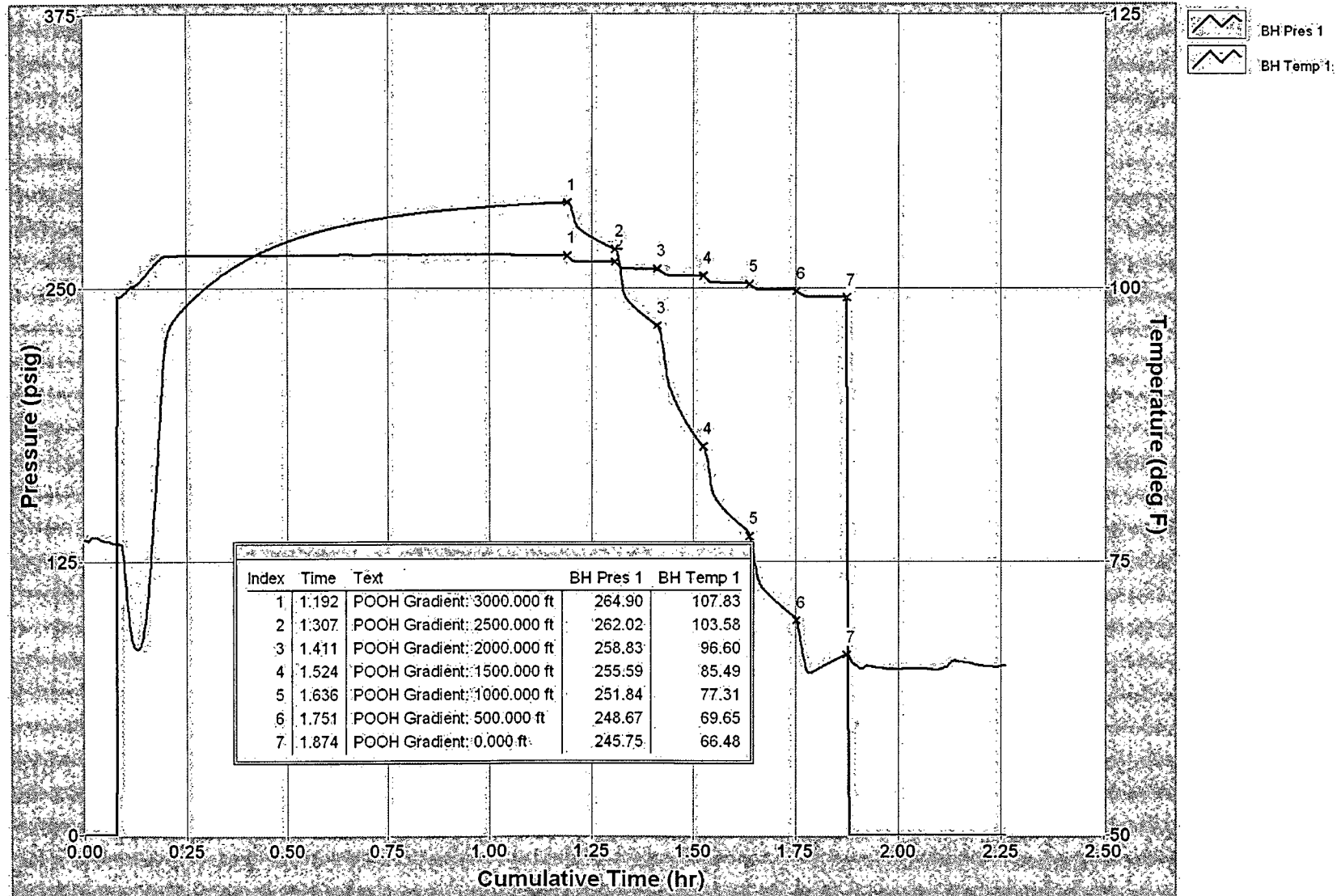


POOH Gradient Depth vs. Temperature



Company Name CONOCOPHILLIPS
Well Name SAN JUAN 30-5 UNIT 213
Type of Test POOH STATIC GRADIENT
Date(s) of Test 5/1/14

San Juan 30-5 Unit #213



Company Name CONOCOPHILLIPS
 Well Name SAN JUAN 30-5 UNIT 213
 Type of Test POOH STATIC GRADIENT
 Date(s) of Test 5/1/14

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2014/05/01	16:40:05	0.0000	0.000	77.000
2014/05/01	16:40:35	0.0083	0.000	76.915
2014/05/01	16:41:05	0.0167	0.000	77.171
2014/05/01	16:41:35	0.0250	0.000	77.232
2014/05/01	16:42:05	0.0333	0.000	77.167
2014/05/01	16:42:35	0.0417	0.000	77.000
2014/05/01	16:43:05	0.0500	0.000	76.897
2014/05/01	16:43:35	0.0583	0.000	76.899
2014/05/01	16:44:05	0.0667	0.000	76.755
2014/05/01	16:44:35	0.0750	0.000	76.654
2014/05/01	16:45:05	0.0833	245.952	76.635
2014/05/01	16:45:35	0.0917	246.311	76.525
2014/05/01	16:46:05	0.1000	247.601	73.729
2014/05/01	16:46:35	0.1083	249.259	70.237
2014/05/01	16:47:05	0.1167	250.937	67.950
2014/05/01	16:47:35	0.1250	251.269	67.174
2014/05/01	16:48:05	0.1333	252.361	67.037
2014/05/01	16:48:35	0.1417	254.015	67.707
2014/05/01	16:49:05	0.1500	255.761	69.598
2014/05/01	16:49:35	0.1583	257.667	72.716
2014/05/01	16:50:05	0.1667	259.547	76.978
2014/05/01	16:50:35	0.1750	261.184	81.756
2014/05/01	16:51:05	0.1833	262.766	86.630
2014/05/01	16:51:35	0.1917	264.254	91.407
2014/05/01	16:52:05	0.2000	264.623	95.149
2014/05/01	16:52:35	0.2083	264.680	96.301
2014/05/01	16:53:05	0.2167	264.793	96.904
2014/05/01	16:53:35	0.2250	264.876	97.344
2014/05/01	16:54:05	0.2333	264.947	97.729
2014/05/01	16:54:35	0.2417	264.988	98.073
2014/05/01	16:55:05	0.2500	265.020	98.393
2014/05/01	16:55:35	0.2583	265.063	98.708
2014/05/01	16:56:05	0.2667	265.050	99.014
2014/05/01	16:56:35	0.2750	265.073	99.304
2014/05/01	16:57:05	0.2833	265.063	99.588
2014/05/01	16:57:35	0.2917	265.092	99.855
2014/05/01	16:58:05	0.3000	265.110	100.110
2014/05/01	16:58:35	0.3083	265.134	100.366
2014/05/01	16:59:05	0.3167	265.117	100.614
2014/05/01	16:59:35	0.3250	265.098	100.841
2014/05/01	17:00:05	0.3333	265.118	101.057
2014/05/01	17:00:35	0.3417	265.141	101.284
2014/05/01	17:01:05	0.3500	265.140	101.487
2014/05/01	17:01:35	0.3583	265.159	101.694
2014/05/01	17:02:05	0.3667	265.173	101.890
2014/05/01	17:02:35	0.3750	265.130	102.079
2014/05/01	17:03:05	0.3833	265.142	102.261
2014/05/01	17:03:35	0.3917	265.159	102.438
2014/05/01	17:04:05	0.4000	265.136	102.607
2014/05/01	17:04:35	0.4083	265.149	102.774

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2014/05/01	17:05:05	0.4167	265.162	102.929
2014/05/01	17:05:35	0.4250	265.169	103.082
2014/05/01	17:06:05	0.4333	265.159	103.233
2014/05/01	17:06:35	0.4417	265.168	103.383
2014/05/01	17:07:05	0.4500	265.186	103.523
2014/05/01	17:07:35	0.4583	265.195	103.653
2014/05/01	17:08:05	0.4667	265.191	103.779
2014/05/01	17:08:35	0.4750	265.206	103.901
2014/05/01	17:09:05	0.4833	265.217	104.025
2014/05/01	17:09:35	0.4917	265.237	104.146
2014/05/01	17:10:05	0.5000	265.228	104.257
2014/05/01	17:10:35	0.5083	265.233	104.367
2014/05/01	17:11:05	0.5167	265.236	104.475
2014/05/01	17:11:35	0.5250	265.203	104.569
2014/05/01	17:12:05	0.5333	265.212	104.677
2014/05/01	17:12:35	0.5417	265.225	104.770
2014/05/01	17:13:05	0.5500	265.221	104.862
2014/05/01	17:13:35	0.5583	265.234	104.958
2014/05/01	17:14:05	0.5667	265.240	105.049
2014/05/01	17:14:35	0.5750	265.206	105.130
2014/05/01	17:15:05	0.5833	265.211	105.217
2014/05/01	17:15:35	0.5917	265.212	105.300
2014/05/01	17:16:05	0.6000	265.225	105.377
2014/05/01	17:16:35	0.6083	265.228	105.447
2014/05/01	17:17:05	0.6167	265.227	105.517
2014/05/01	17:17:35	0.6250	265.241	105.602
2014/05/01	17:18:05	0.6333	265.254	105.672
2014/05/01	17:18:35	0.6417	265.250	105.728
2014/05/01	17:19:05	0.6500	265.252	105.793
2014/05/01	17:19:35	0.6583	265.254	105.863
2014/05/01	17:20:05	0.6667	265.236	105.928
2014/05/01	17:20:35	0.6750	265.236	105.987
2014/05/01	17:21:05	0.6833	265.224	106.048
2014/05/01	17:21:35	0.6917	265.230	106.099
2014/05/01	17:22:05	0.7000	265.239	106.153
2014/05/01	17:22:35	0.7083	265.238	106.203
2014/05/01	17:23:05	0.7167	265.251	106.259
2014/05/01	17:23:35	0.7250	265.258	106.318
2014/05/01	17:24:05	0.7333	265.256	106.363
2014/05/01	17:24:35	0.7417	265.267	106.410
2014/05/01	17:25:05	0.7500	265.259	106.455
2014/05/01	17:25:35	0.7583	265.261	106.504
2014/05/01	17:26:05	0.7667	265.259	106.549
2014/05/01	17:26:35	0.7750	265.253	106.592
2014/05/01	17:27:05	0.7833	265.253	106.628
2014/05/01	17:27:35	0.7917	265.252	106.678
2014/05/01	17:28:05	0.8000	265.252	106.714
2014/05/01	17:28:35	0.8083	265.248	106.749
2014/05/01	17:29:05	0.8167	265.243	106.795
2014/05/01	17:29:35	0.8250	265.238	106.822

Company Name CONOCOPHILLIPS
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Type of Test POOH STATIC GRADIENT
Date(s) of Test 5/1/14

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2014/05/01	17:30:05	0.8333	265.241	106.860
2014/05/01	17:30:35	0.8417	265.254	106.898
2014/05/01	17:31:05	0.8500	265.247	106.932
2014/05/01	17:31:35	0.8583	265.256	106.963
2014/05/01	17:32:05	0.8667	265.258	106.995
2014/05/01	17:32:35	0.8750	265.264	107.029
2014/05/01	17:33:05	0.8833	265.264	107.067
2014/05/01	17:33:35	0.8917	265.262	107.096
2014/05/01	17:34:05	0.9000	265.265	107.128
2014/05/01	17:34:35	0.9083	265.273	107.155
2014/05/01	17:35:05	0.9167	265.264	107.182
2014/05/01	17:35:35	0.9250	265.260	107.211
2014/05/01	17:36:05	0.9333	265.261	107.236
2014/05/01	17:36:35	0.9417	265.265	107.260
2014/05/01	17:37:05	0.9500	265.263	107.285
2014/05/01	17:37:35	0.9583	265.264	107.312
2014/05/01	17:38:05	0.9667	265.271	107.335
2014/05/01	17:38:35	0.9750	265.269	107.361
2014/05/01	17:39:05	0.9833	265.264	107.384
2014/05/01	17:39:35	0.9917	265.257	107.406
2014/05/01	17:40:05	1.0000	265.265	107.433
2014/05/01	17:40:35	1.0083	265.259	107.454
2014/05/01	17:41:05	1.0167	265.256	107.474
2014/05/01	17:41:35	1.0250	265.254	107.497
2014/05/01	17:42:05	1.0333	265.258	107.521
2014/05/01	17:42:35	1.0417	265.257	107.535
2014/05/01	17:43:05	1.0500	265.254	107.557
2014/05/01	17:43:35	1.0583	265.244	107.571
2014/05/01	17:44:05	1.0667	265.245	107.600
2014/05/01	17:44:35	1.0750	265.241	107.611
2014/05/01	17:45:05	1.0833	265.235	107.631
2014/05/01	17:45:35	1.0917	265.233	107.643
2014/05/01	17:46:05	1.1000	265.238	107.667
2014/05/01	17:46:35	1.1083	265.234	107.683
2014/05/01	17:47:05	1.1167	265.242	107.694
2014/05/01	17:47:35	1.1250	265.238	107.708
2014/05/01	17:48:05	1.1333	265.239	107.730
2014/05/01	17:48:35	1.1417	265.235	107.744
2014/05/01	17:49:05	1.1500	265.241	107.760
2014/05/01	17:49:35	1.1583	265.240	107.773
2014/05/01	17:50:05	1.1667	265.242	107.789
2014/05/01	17:50:35	1.1750	265.238	107.802
2014/05/01	17:51:05	1.1833	265.241	107.818
POOH Gradient: 3000.000 ft				
2014/05/01	17:51:35	1.1917	264.903	107.827
2014/05/01	17:52:05	1.2000	263.389	107.526
2014/05/01	17:52:35	1.2083	262.271	106.320
2014/05/01	17:53:05	1.2167	262.124	105.568
2014/05/01	17:53:35	1.2250	262.077	105.287
2014/05/01	17:54:05	1.2333	262.045	105.064

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2014/05/01	17:54:35	1.2417	262.029	104.868
2014/05/01	17:55:05	1.2500	262.019	104.675
2014/05/01	17:55:35	1.2583	262.003	104.499
2014/05/01	17:56:05	1.2667	261.982	104.320
2014/05/01	17:56:35	1.2750	261.976	104.167
2014/05/01	17:57:05	1.2833	261.965	104.002
2014/05/01	17:57:35	1.2917	261.971	103.847
2014/05/01	17:58:05	1.3000	261.983	103.701
POOH Gradient: 2500.000 ft				
2014/05/01	17:58:30	1.3069	262.017	103.581
2014/05/01	17:58:35	1.3083	261.977	103.554
2014/05/01	17:59:05	1.3167	260.644	102.641
2014/05/01	17:59:35	1.3250	259.199	100.540
2014/05/01	18:00:05	1.3333	258.994	99.237
2014/05/01	18:00:35	1.3417	258.945	98.791
2014/05/01	18:01:05	1.3500	258.902	98.461
2014/05/01	18:01:35	1.3583	258.869	98.161
2014/05/01	18:02:05	1.3667	258.863	97.884
2014/05/01	18:02:35	1.3750	258.881	97.630
2014/05/01	18:03:05	1.3833	258.843	97.371
2014/05/01	18:03:35	1.3917	258.841	97.135
2014/05/01	18:04:05	1.4000	258.836	96.903
2014/05/01	18:04:35	1.4083	258.832	96.679
POOH Gradient: 2000.000 ft				
2014/05/01	18:04:45	1.4111	258.826	96.597
2014/05/01	18:05:05	1.4167	258.475	96.318
2014/05/01	18:05:35	1.4250	257.182	94.680
2014/05/01	18:06:05	1.4333	256.050	92.444
2014/05/01	18:06:35	1.4417	255.809	90.885
2014/05/01	18:07:05	1.4500	255.776	90.079
2014/05/01	18:07:35	1.4583	255.734	89.380
2014/05/01	18:08:05	1.4667	255.658	88.747
2014/05/01	18:08:35	1.4750	255.687	88.160
2014/05/01	18:09:05	1.4833	255.642	87.625
2014/05/01	18:09:35	1.4917	255.643	87.123
2014/05/01	18:10:05	1.5000	255.632	86.646
2014/05/01	18:10:35	1.5083	255.612	86.209
2014/05/01	18:11:05	1.5167	255.596	85.807
POOH Gradient: 1500.000 ft				
2014/05/01	18:11:30	1.5236	255.591	85.494
2014/05/01	18:11:35	1.5250	255.559	85.429
2014/05/01	18:12:05	1.5333	253.958	84.265
2014/05/01	18:12:35	1.5417	252.651	82.202
2014/05/01	18:13:05	1.5500	252.520	80.971
2014/05/01	18:13:35	1.5583	252.565	80.469
2014/05/01	18:14:05	1.5667	252.512	80.071
2014/05/01	18:14:35	1.5750	252.512	79.734
2014/05/01	18:15:05	1.5833	252.460	79.407
2014/05/01	18:15:35	1.5917	252.451	79.101
2014/05/01	18:16:05	1.6000	252.446	78.816

Company Name CONOCOPHILLIPS
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Type of Test POOH STATIC GRADIENT
Date(s) of Test 5/1/14

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2014/05/01	18:16:35	1.6083	252.414	78.544
2014/05/01	18:17:05	1.6167	252.414	78.273
2014/05/01	18:17:35	1.6250	252.415	78.015
2014/05/01	18:18:05	1.6333	252.122	77.623
POOH Gradient: 1000.000 ft				
2014/05/01	18:18:15	1.6361	251.836	77.306
2014/05/01	18:18:35	1.6417	250.967	76.444
2014/05/01	18:19:05	1.6500	249.865	74.752
2014/05/01	18:19:35	1.6583	249.366	73.243
2014/05/01	18:20:05	1.6667	249.306	72.675
2014/05/01	18:20:35	1.6750	249.315	72.320
2014/05/01	18:21:05	1.6833	249.273	72.001
2014/05/01	18:21:35	1.6917	249.242	71.695
2014/05/01	18:22:05	1.7000	249.241	71.407
2014/05/01	18:22:35	1.7083	249.223	71.127
2014/05/01	18:23:05	1.7167	249.203	70.853
2014/05/01	18:23:35	1.7250	249.206	70.597
2014/05/01	18:24:05	1.7333	249.202	70.349
2014/05/01	18:24:35	1.7417	249.180	70.108
2014/05/01	18:25:05	1.7500	248.893	69.800
POOH Gradient: 500.000 ft				
2014/05/01	18:25:10	1.7514	248.672	69.652
2014/05/01	18:25:35	1.7583	247.710	68.418
2014/05/01	18:26:05	1.7667	246.838	66.688
2014/05/01	18:26:35	1.7750	246.185	65.214
2014/05/01	18:27:05	1.7833	246.121	64.796
2014/05/01	18:27:35	1.7917	246.112	64.872
2014/05/01	18:28:05	1.8000	246.064	65.037
2014/05/01	18:28:35	1.8083	246.041	65.221
2014/05/01	18:29:05	1.8167	246.010	65.392
2014/05/01	18:29:35	1.8250	246.020	65.572
2014/05/01	18:30:05	1.8333	246.022	65.741
2014/05/01	18:30:35	1.8417	245.992	65.899
2014/05/01	18:31:05	1.8500	246.000	66.054
2014/05/01	18:31:35	1.8583	245.984	66.205
2014/05/01	18:32:05	1.8667	245.990	66.353
POOH Gradient: 0.000 ft				
2014/05/01	18:32:30	1.8736	245.746	66.475
2014/05/01	18:32:35	1.8750	164.329	66.490
2014/05/01	18:33:05	1.8833	0.000	65.959
2014/05/01	18:33:35	1.8917	0.000	65.610
2014/05/01	18:34:05	1.9000	0.000	65.392
2014/05/01	18:34:35	1.9083	0.000	65.192
2014/05/01	18:35:05	1.9167	0.000	65.316
2014/05/01	18:35:35	1.9250	0.000	65.437
2014/05/01	18:36:05	1.9333	0.000	65.392
2014/05/01	18:36:35	1.9417	0.000	65.325
2014/05/01	18:37:05	1.9500	0.000	65.286
2014/05/01	18:37:35	1.9583	0.000	65.266
2014/05/01	18:38:05	1.9667	0.000	65.210

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2014/05/01	18:38:35	1.9750	0.000	65.174
2014/05/01	18:39:05	1.9833	0.000	65.178
2014/05/01	18:39:35	1.9917	0.000	65.156
2014/05/01	18:40:05	2.0000	0.000	65.160
2014/05/01	18:40:35	2.0083	0.000	65.167
2014/05/01	18:41:05	2.0167	0.000	65.181
2014/05/01	18:41:35	2.0250	0.000	65.197
2014/05/01	18:42:05	2.0333	0.000	65.208
2014/05/01	18:42:35	2.0417	0.000	65.215
2014/05/01	18:43:05	2.0500	0.000	65.206
2014/05/01	18:43:35	2.0583	0.000	65.196
2014/05/01	18:44:05	2.0667	0.000	65.203
2014/05/01	18:44:35	2.0750	0.000	65.156
2014/05/01	18:45:05	2.0833	0.000	65.116
2014/05/01	18:45:35	2.0917	0.000	65.106
2014/05/01	18:46:05	2.1000	0.000	65.109
2014/05/01	18:46:35	2.1083	0.000	65.206
2014/05/01	18:47:05	2.1167	0.000	65.354
2014/05/01	18:47:35	2.1250	0.000	65.592
2014/05/01	18:48:05	2.1333	0.000	65.901
2014/05/01	18:48:35	2.1417	0.000	65.905
2014/05/01	18:49:05	2.1500	0.000	65.831
2014/05/01	18:49:35	2.1583	0.000	65.786
2014/05/01	18:50:05	2.1667	0.000	65.761
2014/05/01	18:50:35	2.1750	0.000	65.712
2014/05/01	18:51:05	2.1833	0.000	65.613
2014/05/01	18:51:35	2.1917	0.000	65.527
2014/05/01	18:52:05	2.2000	0.000	65.480
2014/05/01	18:52:35	2.2083	0.000	65.437
2014/05/01	18:53:05	2.2167	0.000	65.403
2014/05/01	18:53:35	2.2250	0.000	65.406
2014/05/01	18:54:05	2.2333	0.000	65.377
2014/05/01	18:54:35	2.2417	0.000	65.374
2014/05/01	18:55:05	2.2500	0.000	65.428