

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 219
Well Location	T30N, R5W, SEC. 16
Field and Pool	BASIN FRUITLAND COAL
Status (Oil, Gas, Water, Injection)	OBSERVATION
Perforated Intervals	3044-3080
Mid-point of Perforated Intervals (MPP)	
Drilling Rig Number	
Elevations	
Kelly Bushing (KB)	13
Casing Flange (CF)	
KB-CF	
Ground Level	6344
Plug Back Total Depth	3096
Total Depth	3096
Production Casing	5 1/2 TO 3096
Production Tubing	2 3/8 TO 2864

TEST INFORMATION

Type of Test	POOH STATIC GRADIENT
Date(s) of Test	4/30/15
Dead-weight Gauge Tubing Pressure	68
Dead-weight Gauge Casing Pressure	160
Shut-in Date (Duration)	
Date / Time on Bottom	4/30/15 @ 1044 HRS
Date / Time off Bottom	4/30/15 @ 1144 HRS
Probe Serial Number	9736
Probe Offset from End of Tool String	0-6000
Run Depth at Probe Pressure Port	3070

PRESSURE TEST RESULTS

Maximum Recorded Probe Pressure	68.6 psig
Maximum Recorded Probe Temperature	113.5 deg F
Final Buildup Pressure	
Gradient Survey Information	
Extrapolated Pressure to MPP	
Final Gradient at Depth	
Job Number	34911WP

Company Name	CONOCOPHILLIPS
Well Name	SAN JUAN 30-5 UNIT 219
Type of Test	POOH STATIC GRADIENT
Date(s) of Test	4/30/15

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 219
Type of Test	POOH STATIC GRADIENT
Date(s) of Test	4/30/15

COMMENTS

Reported By

PHOENIX SERVICES

RAN 1.657 GR TO 3070'-SET DOWN-TD-RAN TANDEM BHP GAUGES TO 3070'-SET 1 HR-POOH
MAKING GRADIENT STOPS.

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Pressure vs. Depth

Probe Serial Number 9736

		(ft)	(psig)	(psi/ft)	(deg F)	(deg F/ft)
1044	1144	3070.000	68.630	-	113.506	-
1144	1149	2500.000	58.794	0.0173	109.384	0.0072
1149	1154	2000.000	57.873	0.0018	104.216	0.0103
1154	1159	1500.000	56.939	0.0019	97.572	0.0133
1159	1204	1000.000	56.026	0.0018	90.813	0.0135
1204	1209	500.000	55.153	0.0017	83.203	0.0152
1209	1214	0.000	54.220	0.0019	75.855	0.0147

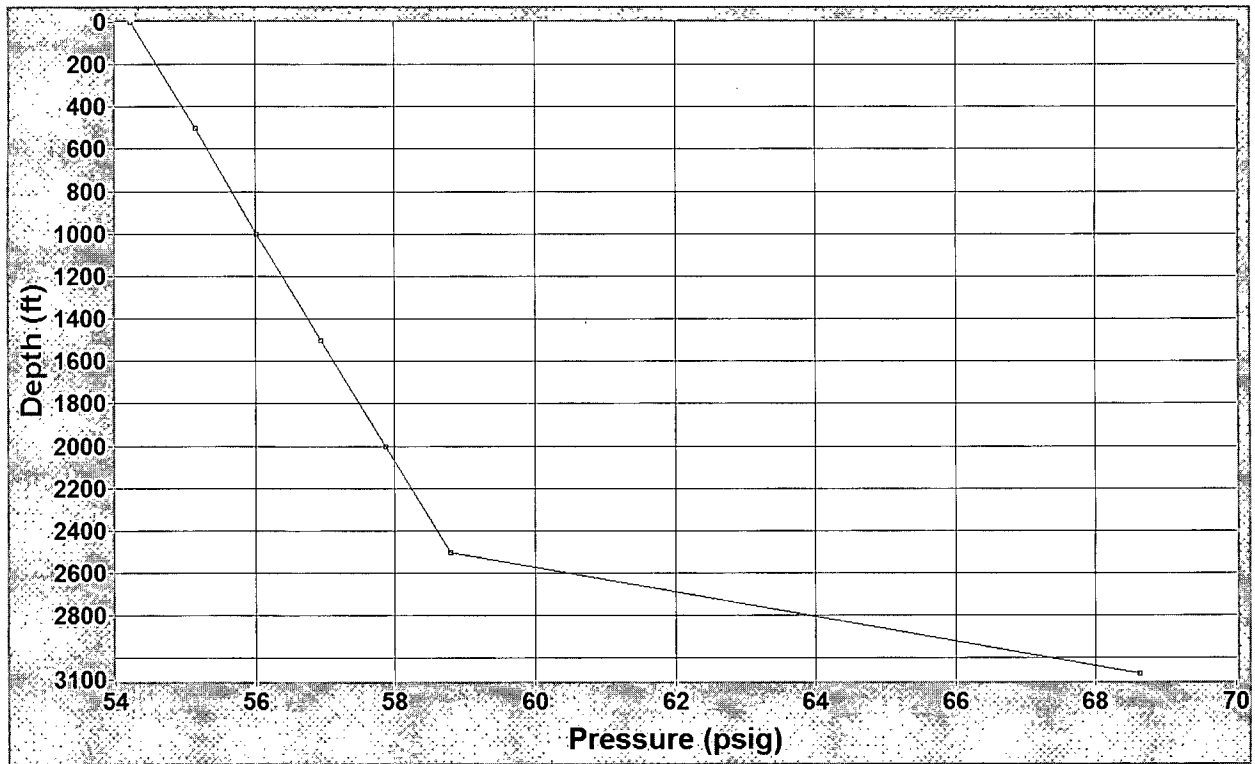
Extrapolated to MPP:

	(ft)	(psig)	(deg F)
	0.000		

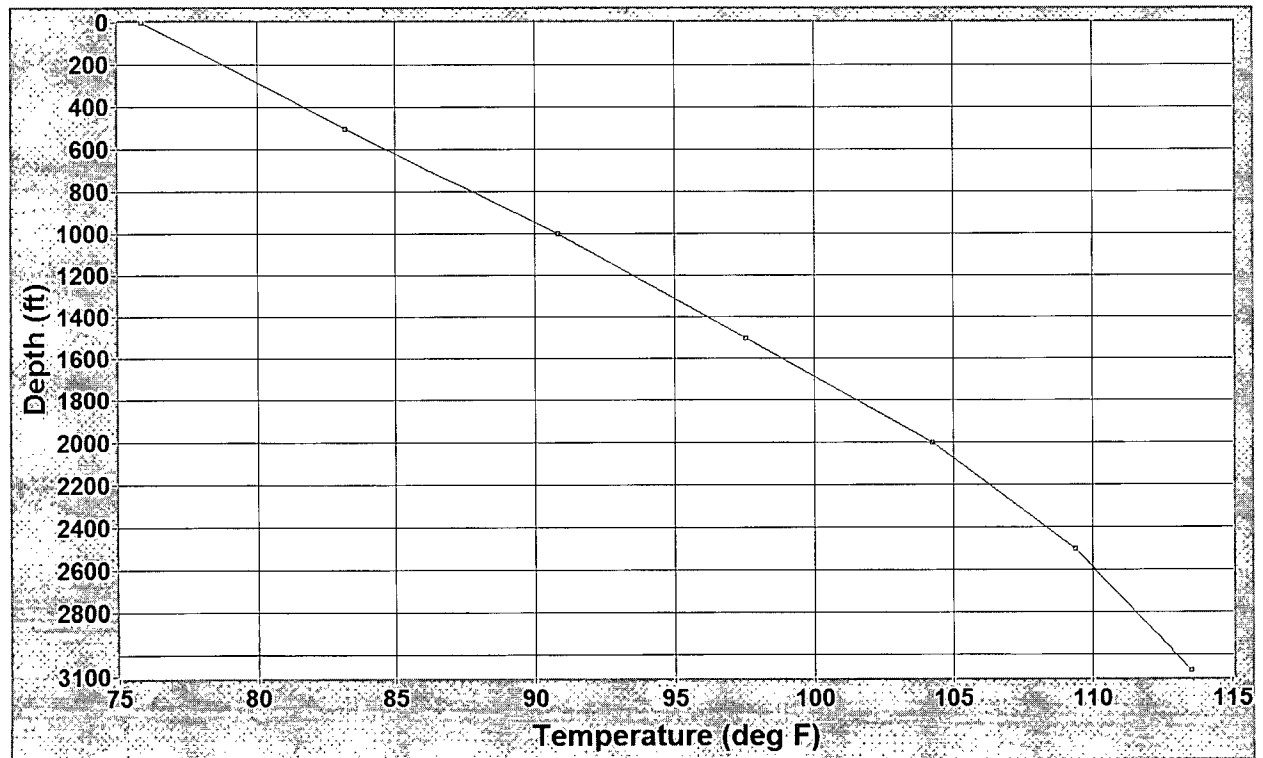
Company Name CONOCOPHILLIPS
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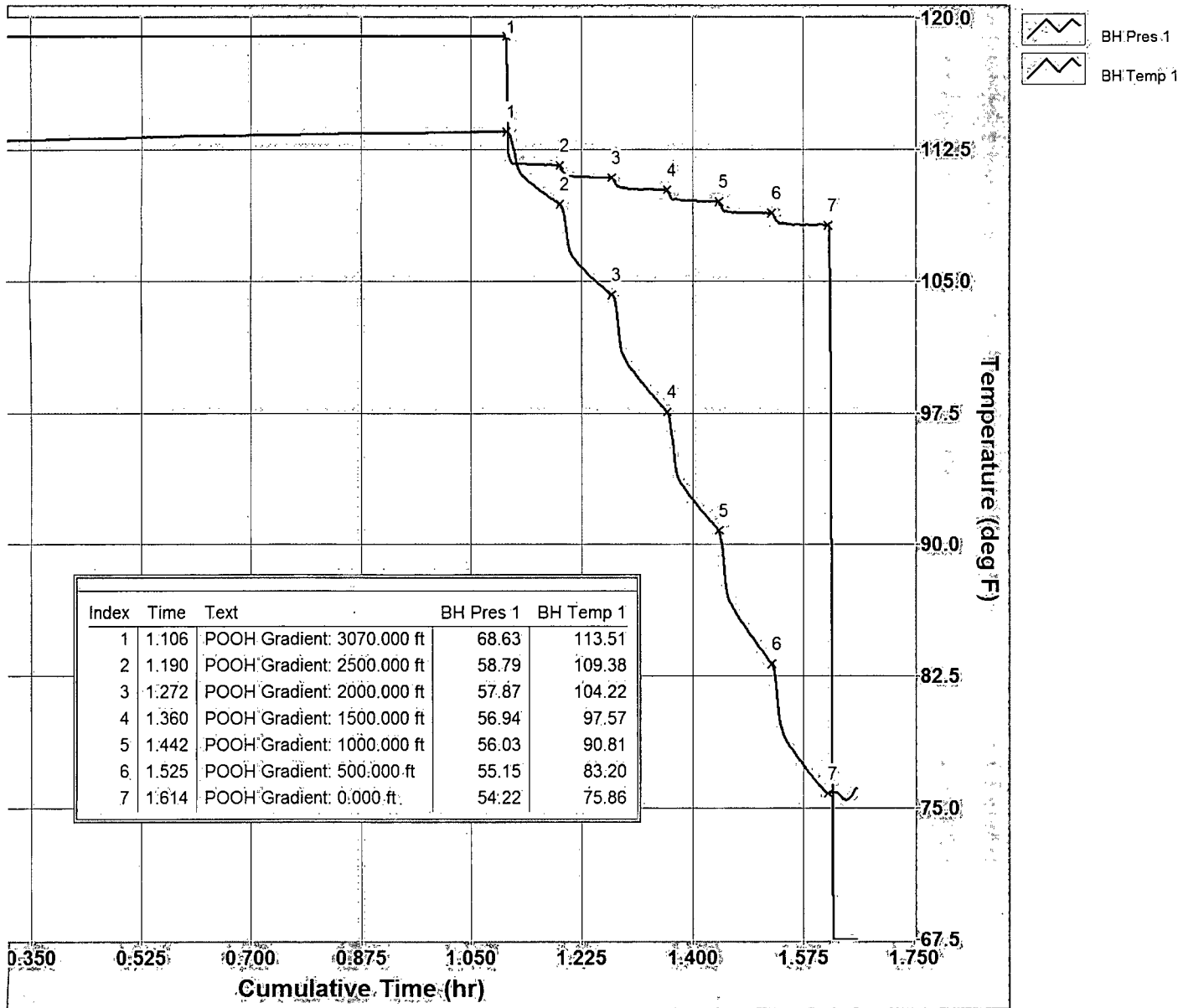
POOH Gradient Depth vs. Pressure



POOH Gradient Depth vs. Temperature



San Juan 30-5 Unit 219



Company Name CONOCOPHILLIPS
Well Name SAN JUAN 30-5 UNIT 219
Type of Test POOH STATIC GRADIENT
Date(s) of Test 4/30/15

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2015/04/30	10:37:05	0.0000	0.000	74.736
2015/04/30	10:37:35	0.0083	0.000	74.757
2015/04/30	10:38:05	0.0167	0.000	74.703
2015/04/30	10:38:35	0.0250	0.000	74.626
2015/04/30	10:39:05	0.0333	0.000	74.602
2015/04/30	10:39:35	0.0417	0.000	74.750
2015/04/30	10:40:05	0.0500	0.000	74.901
2015/04/30	10:40:35	0.0583	0.000	75.056
2015/04/30	10:41:05	0.0667	54.349	75.214
2015/04/30	10:41:35	0.0750	54.890	74.347
2015/04/30	10:42:05	0.0833	55.970	72.210
2015/04/30	10:42:35	0.0917	57.358	71.314
2015/04/30	10:43:05	0.1000	60.265	74.480
2015/04/30	10:43:35	0.1083	66.314	82.751
2015/04/30	10:44:05	0.1167	67.880	97.623
2015/04/30	10:44:35	0.1250	67.979	103.752
2015/04/30	10:45:05	0.1333	68.121	106.799
2015/04/30	10:45:35	0.1417	68.268	108.689
2015/04/30	10:46:05	0.1500	68.381	109.951
2015/04/30	10:46:35	0.1583	68.444	110.734
2015/04/30	10:47:05	0.1667	68.491	111.279
2015/04/30	10:47:35	0.1750	68.532	111.670
2015/04/30	10:48:05	0.1833	68.560	111.960
2015/04/30	10:48:35	0.1917	68.550	112.170
2015/04/30	10:49:05	0.2000	68.555	112.338
2015/04/30	10:49:35	0.2083	68.566	112.478
2015/04/30	10:50:05	0.2167	68.577	112.575
2015/04/30	10:50:35	0.2250	68.585	112.649
2015/04/30	10:51:05	0.2333	68.591	112.717
2015/04/30	10:51:35	0.2417	68.597	112.777
2015/04/30	10:52:05	0.2500	68.603	112.833
2015/04/30	10:52:35	0.2583	68.604	112.867
2015/04/30	10:53:05	0.2667	68.600	112.888
2015/04/30	10:53:35	0.2750	68.634	112.923
2015/04/30	10:54:05	0.2833	68.625	112.953
2015/04/30	10:54:35	0.2917	68.624	112.980
2015/04/30	10:55:05	0.3000	68.616	112.996
2015/04/30	10:55:35	0.3083	68.611	113.018
2015/04/30	10:56:05	0.3167	68.614	113.032
2015/04/30	10:56:35	0.3250	68.623	113.040
2015/04/30	10:57:05	0.3333	68.623	113.041
2015/04/30	10:57:35	0.3417	68.622	113.052
2015/04/30	10:58:05	0.3500	68.625	113.068
2015/04/30	10:58:35	0.3583	68.631	113.068
2015/04/30	10:59:05	0.3667	68.628	113.067
2015/04/30	10:59:35	0.3750	68.630	113.086
2015/04/30	11:00:05	0.3833	68.626	113.090
2015/04/30	11:00:35	0.3917	68.629	113.110
2015/04/30	11:01:05	0.4000	68.628	113.115
2015/04/30	11:01:35	0.4083	68.622	113.119

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2015/04/30	11:02:05	0.4167	68.630	113.135
2015/04/30	11:02:35	0.4250	68.630	113.148
2015/04/30	11:03:05	0.4333	68.633	113.142
2015/04/30	11:03:35	0.4417	68.633	113.139
2015/04/30	11:04:05	0.4500	68.636	113.140
2015/04/30	11:04:35	0.4583	68.634	113.130
2015/04/30	11:05:05	0.4667	68.633	113.146
2015/04/30	11:05:35	0.4750	68.639	113.148
2015/04/30	11:06:05	0.4833	68.635	113.162
2015/04/30	11:06:35	0.4917	68.629	113.164
2015/04/30	11:07:05	0.5000	68.631	113.173
2015/04/30	11:07:35	0.5083	68.627	113.184
2015/04/30	11:08:05	0.5167	68.626	113.207
2015/04/30	11:08:35	0.5250	68.629	113.212
2015/04/30	11:09:05	0.5333	68.635	113.220
2015/04/30	11:09:35	0.5417	68.632	113.220
2015/04/30	11:10:05	0.5500	68.634	113.230
2015/04/30	11:10:35	0.5583	68.637	113.239
2015/04/30	11:11:05	0.5667	68.634	113.234
2015/04/30	11:11:35	0.5750	68.630	113.241
2015/04/30	11:12:05	0.5833	68.620	113.254
2015/04/30	11:12:35	0.5917	68.625	113.266
2015/04/30	11:13:05	0.6000	68.615	113.281
2015/04/30	11:13:35	0.6083	68.610	113.299
2015/04/30	11:14:05	0.6167	68.617	113.301
2015/04/30	11:14:35	0.6250	68.627	113.297
2015/04/30	11:15:05	0.6333	68.630	113.301
2015/04/30	11:15:35	0.6417	68.626	113.304
2015/04/30	11:16:05	0.6500	68.629	113.311
2015/04/30	11:16:35	0.6583	68.632	113.315
2015/04/30	11:17:05	0.6667	68.639	113.310
2015/04/30	11:17:35	0.6750	68.646	113.308
2015/04/30	11:18:05	0.6833	68.636	113.302
2015/04/30	11:18:35	0.6917	68.642	113.310
2015/04/30	11:19:05	0.7000	68.635	113.319
2015/04/30	11:19:35	0.7083	68.625	113.320
2015/04/30	11:20:05	0.7167	68.628	113.326
2015/04/30	11:20:35	0.7250	68.637	113.340
2015/04/30	11:21:05	0.7333	68.631	113.344
2015/04/30	11:21:35	0.7417	68.634	113.335
2015/04/30	11:22:05	0.7500	68.634	113.342
2015/04/30	11:22:35	0.7583	68.633	113.349
2015/04/30	11:23:05	0.7667	68.637	113.347
2015/04/30	11:23:35	0.7750	68.626	113.356
2015/04/30	11:24:05	0.7833	68.635	113.371
2015/04/30	11:24:35	0.7917	68.638	113.378
2015/04/30	11:25:05	0.8000	68.634	113.391
2015/04/30	11:25:35	0.8083	68.634	113.385
2015/04/30	11:26:05	0.8167	68.638	113.389
2015/04/30	11:26:35	0.8250	68.631	113.398

Company Name CONOCOPHILLIPS
Well Name SAN JUAN 30-5 UNIT 219
Type of Test POOH STATIC GRADIENT
Date(s) of Test 4/30/15

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2015/04/30	11:27:05	0.8333	68.627	113.405
2015/04/30	11:27:35	0.8417	68.630	113.409
2015/04/30	11:28:05	0.8500	68.633	113.416
2015/04/30	11:28:35	0.8583	68.629	113.418
2015/04/30	11:29:05	0.8667	68.635	113.423
2015/04/30	11:29:35	0.8750	68.645	113.419
2015/04/30	11:30:05	0.8833	68.642	113.419
2015/04/30	11:30:35	0.8917	68.632	113.421
2015/04/30	11:31:05	0.9000	68.632	113.434
2015/04/30	11:31:35	0.9083	68.629	113.430
2015/04/30	11:32:05	0.9167	68.622	113.430
2015/04/30	11:32:35	0.9250	68.628	113.430
2015/04/30	11:33:05	0.9333	68.629	113.428
2015/04/30	11:33:35	0.9417	68.622	113.434
2015/04/30	11:34:05	0.9500	68.622	113.434
2015/04/30	11:34:35	0.9583	68.628	113.437
2015/04/30	11:35:05	0.9667	68.631	113.437
2015/04/30	11:35:35	0.9750	68.624	113.448
2015/04/30	11:36:05	0.9833	68.633	113.461
2015/04/30	11:36:35	0.9917	68.626	113.472
2015/04/30	11:37:05	1.0000	68.626	113.468
2015/04/30	11:37:35	1.0083	68.623	113.472
2015/04/30	11:38:05	1.0167	68.623	113.466
2015/04/30	11:38:35	1.0250	68.625	113.477
2015/04/30	11:39:05	1.0333	68.619	113.479
2015/04/30	11:39:35	1.0417	68.625	113.481
2015/04/30	11:40:05	1.0500	68.631	113.493
2015/04/30	11:40:35	1.0583	68.631	113.500
2015/04/30	11:41:05	1.0667	68.627	113.509
2015/04/30	11:41:35	1.0750	68.627	113.509
2015/04/30	11:42:05	1.0833	68.627	113.506
2015/04/30	11:42:35	1.0917	68.631	113.500
2015/04/30	11:43:05	1.1000	68.634	113.508
POOH Gradient: 3070.000 ft				
2015/04/30	11:43:25	1.1056	68.630	113.506
2015/04/30	11:43:35	1.1083	59.932	113.493
2015/04/30	11:44:05	1.1167	58.911	112.671
2015/04/30	11:44:35	1.1250	58.931	111.364
2015/04/30	11:45:05	1.1333	58.900	110.943
2015/04/30	11:45:35	1.1417	58.895	110.673
2015/04/30	11:46:05	1.1500	58.864	110.431
2015/04/30	11:46:35	1.1583	58.863	110.190
2015/04/30	11:47:05	1.1667	58.834	109.974
2015/04/30	11:47:35	1.1750	58.840	109.764
2015/04/30	11:48:05	1.1833	58.817	109.551
POOH Gradient: 2500.000 ft				
2015/04/30	11:48:30	1.1903	58.794	109.384
2015/04/30	11:48:35	1.1917	58.526	109.344
2015/04/30	11:49:05	1.2000	58.045	107.933
2015/04/30	11:49:35	1.2083	57.986	106.524

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2015/04/30	11:50:05	1.2167	57.933	106.095
2015/04/30	11:50:35	1.2250	57.911	105.766
2015/04/30	11:51:05	1.2333	57.912	105.472
2015/04/30	11:51:35	1.2417	57.877	105.183
2015/04/30	11:52:05	1.2500	57.841	104.909
2015/04/30	11:52:35	1.2583	57.853	104.643
2015/04/30	11:53:05	1.2667	57.869	104.382
POOH Gradient: 2000.000 ft				
2015/04/30	11:53:25	1.2722	57.873	104.216
2015/04/30	11:53:35	1.2750	57.676	104.119
2015/04/30	11:54:05	1.2833	57.188	102.182
2015/04/30	11:54:35	1.2917	57.083	100.666
2015/04/30	11:55:05	1.3000	57.007	100.170
2015/04/30	11:55:35	1.3083	56.991	99.766
2015/04/30	11:56:05	1.3167	56.944	99.390
2015/04/30	11:56:35	1.3250	56.964	99.021
2015/04/30	11:57:05	1.3333	56.970	98.661
2015/04/30	11:57:35	1.3417	56.954	98.308
2015/04/30	11:58:05	1.3500	56.939	97.968
2015/04/30	11:58:35	1.3583	56.938	97.624
POOH Gradient: 1500.000 ft				
2015/04/30	11:58:40	1.3597	56.939	97.572
2015/04/30	11:59:05	1.3667	56.329	96.402
2015/04/30	11:59:35	1.3750	56.212	94.051
2015/04/30	12:00:05	1.3833	56.116	93.414
2015/04/30	12:00:35	1.3917	56.131	92.988
2015/04/30	12:01:05	1.4000	56.111	92.595
2015/04/30	12:01:35	1.4083	56.063	92.228
2015/04/30	12:02:05	1.4167	56.049	91.848
2015/04/30	12:02:35	1.4250	56.070	91.506
2015/04/30	12:03:05	1.4333	56.053	91.157
POOH Gradient: 1000.000 ft				
2015/04/30	12:03:35	1.4417	56.026	90.813
2015/04/30	12:04:05	1.4500	55.265	88.527
2015/04/30	12:04:35	1.4583	55.221	86.778
2015/04/30	12:05:05	1.4667	55.211	86.207
2015/04/30	12:05:35	1.4750	55.187	85.728
2015/04/30	12:06:05	1.4833	55.190	85.280
2015/04/30	12:06:35	1.4917	55.168	84.853
2015/04/30	12:07:05	1.5000	55.144	84.421
2015/04/30	12:07:35	1.5083	55.165	84.009
2015/04/30	12:08:05	1.5167	55.149	83.597
POOH Gradient: 500.000 ft				
2015/04/30	12:08:35	1.5250	55.153	83.203
2015/04/30	12:09:05	1.5333	54.542	81.480
2015/04/30	12:09:35	1.5417	54.390	79.367
2015/04/30	12:10:05	1.5500	54.305	78.744
2015/04/30	12:10:35	1.5583	54.250	78.305
2015/04/30	12:11:05	1.5667	54.285	77.880
2015/04/30	12:11:35	1.5750	54.251	77.461

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Type of Test POOH STATIC GRADIENT
Date(s) of Test 4/30/15

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2015/04/30	12:12:05	1.5833	54.283	77.068
2015/04/30	12:12:35	1.5917	54.244	76.689
2015/04/30	12:13:05	1.6000	54.268	76.338
2015/04/30	12:13:35	1.6083	54.246	75.983
POOH Gradient: 0.000 ft				
2015/04/30	12:13:55	1.6139	54.220	75.855
2015/04/30	12:14:05	1.6167	54.186	75.873
2015/04/30	12:14:35	1.6250	0.000	75.879
2015/04/30	12:15:05	1.6333	0.000	75.726
2015/04/30	12:15:35	1.6417	0.000	75.497
2015/04/30	12:16:05	1.6500	0.000	75.681