

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 216 - API# 30-039-24828
Well Location T30N, R5W, SEC. 20
Field and Pool BASIN FRUITLAND COAL
Status (Oil, Gas, Water, Injection) OBSERVATION
Perforated Intervals 2984-3118
Mid-point of Perforated Intervals (MPP)
Drilling Rig Number
Elevations
 Kelly Bushing (KB) 13
 Casing Flange (CF)
 KB-CF
 Ground Level
Plug Back Total Depth 3124
Total Depth 3124
Production Casing 5 1/2 TO 2962
Production Tubing 2 3/8 TO 2960

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 50
Dead-weight Gauge Casing Pressure 0
Shut-in Date (Duration)
Date / Time on Bottom 5/1/14 @ 0938 HRS
Date / Time off Bottom 5/1/14 @ 1038 HRS

Probe Serial Number 9736
Probe Offset from End of Tool String 0-6000
Run Depth at Probe Pressure Port 3009

PRESSURE TEST RESULTS

Maximum Recorded Probe Pressure 54.9 psig
Maximum Recorded Probe Temperature 109.2 deg F
Final Buildup Pressure
Gradient Survey Information
 Extrapolated Pressure to MPP
 Final Gradient at Depth
Job Number 31767WP

Company Name	CONOCOPHILLIPS
Well Name	SAN JUAN 30-5 UNIT 216
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 216
Type of Test	POOH STATIC GRADIENT
Date(s) of Test	5/1/14

COMMENTS

Reported By

PHOENIX SERVICES

RAN 1.657 GR TO 3010'-SET DOWN-RAN TANDEM BHP GAUGES (9736, 9737) TO 3009'-SET 1
HR-POOH MAKING GRADIENT STOPS.

Company Name	CONOCOPHILLIPS
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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)
0938	1038	3009.000	54.819	-	109.171	-
1040	1045	2500.000	53.942	0.0017	104.173	0.0098
1047	1052	2000.000	53.199	0.0015	97.759	0.0128
1053	1058	1500.000	52.488	0.0014	92.095	0.0113
1059	1104	1000.000	51.767	0.0014	86.056	0.0121
1106	1111	500.000	50.913	0.0017	78.654	0.0148
1113	1118	0.000	50.191	0.0014	73.792	0.0097

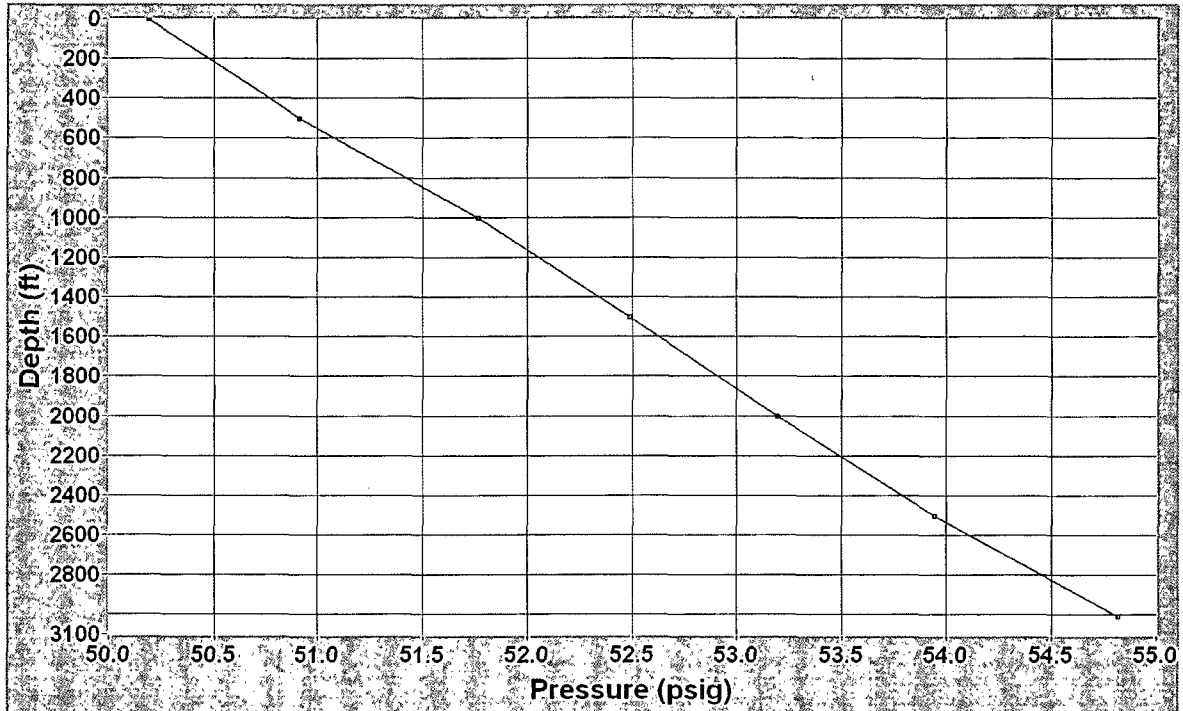
Extrapolated to MPP:

(ft)	(psig)	(deg F)
0.000		

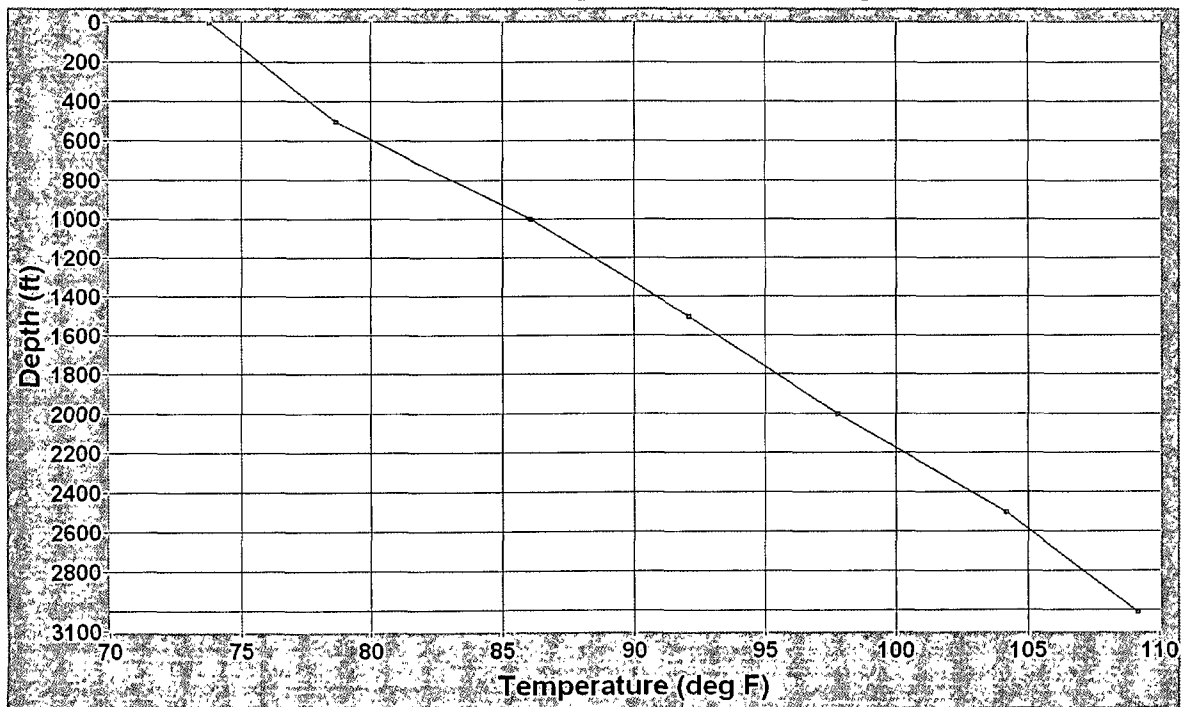
Company Name CONOCOPHILLIPS
Well Name SAN JUAN 30-5 UNIT 216
Type of Test POOH STATIC GRADIENT
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Probe Serial Number 9736

POOH Gradient Depth vs. Pressure

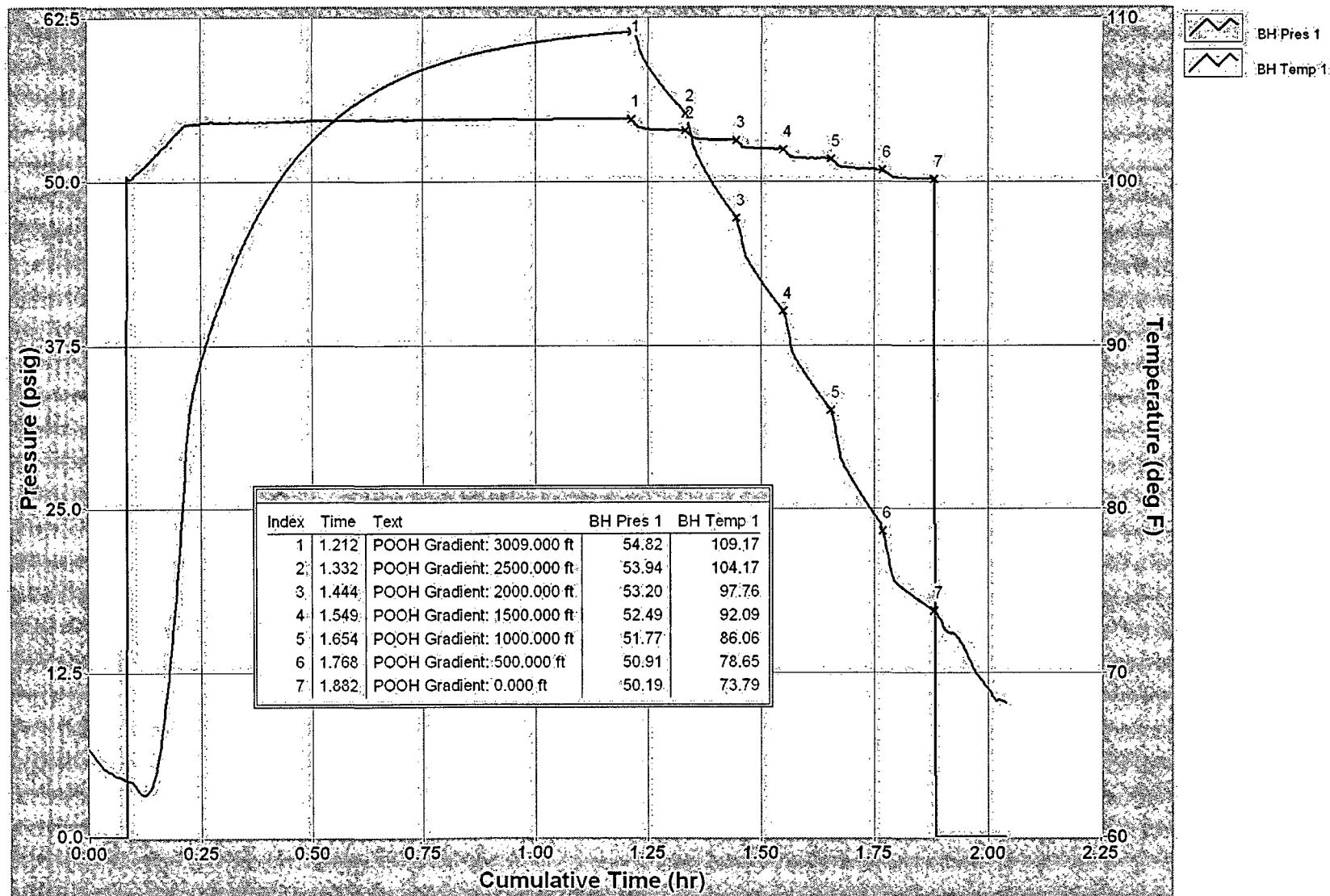


POOH Gradient Depth vs. Temperature



Company Name CONOCOPHILLIPS
 Well Name SAN JUAN 30-5 UNIT 216
 Type of Test POOH STATIC GRADIENT
 Date(s) of Test 5/1/14

San Juan 30-5 Unit 216



Company Name CONOCOPHILLIPS
Well Name SAN JUAN 30-5 UNIT 216
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	09:25:05	0.0000	0.000	65.345
2014/05/01	09:25:35	0.0083	0.000	65.075
2014/05/01	09:26:05	0.0167	0.000	64.740
2014/05/01	09:26:35	0.0250	0.000	64.465
2014/05/01	09:27:05	0.0333	0.000	64.191
2014/05/01	09:27:35	0.0417	0.000	64.045
2014/05/01	09:28:05	0.0500	0.000	63.952
2014/05/01	09:28:35	0.0583	0.000	63.734
2014/05/01	09:29:05	0.0667	0.000	63.691
2014/05/01	09:29:35	0.0750	0.000	63.579
2014/05/01	09:30:05	0.0833	0.000	63.477
2014/05/01	09:30:35	0.0917	50.150	63.406
2014/05/01	09:31:05	0.1000	50.288	63.221
2014/05/01	09:31:35	0.1083	50.596	62.868
2014/05/01	09:32:05	0.1167	50.859	62.641
2014/05/01	09:32:35	0.1250	51.105	62.591
2014/05/01	09:33:05	0.1333	51.420	62.809
2014/05/01	09:33:35	0.1417	51.681	63.334
2014/05/01	09:34:05	0.1500	52.046	64.242
2014/05/01	09:34:35	0.1583	52.363	65.592
2014/05/01	09:35:05	0.1667	52.635	67.361
2014/05/01	09:35:35	0.1750	52.848	69.310
2014/05/01	09:36:05	0.1833	53.239	71.604
2014/05/01	09:36:35	0.1917	53.545	74.104
2014/05/01	09:37:05	0.2000	53.879	76.946
2014/05/01	09:37:35	0.2083	54.144	80.164
2014/05/01	09:38:05	0.2167	54.405	83.885
2014/05/01	09:38:35	0.2250	54.396	86.040
2014/05/01	09:39:05	0.2333	54.417	87.233
2014/05/01	09:39:35	0.2417	54.472	88.153
2014/05/01	09:40:05	0.2500	54.511	88.986
2014/05/01	09:40:35	0.2583	54.564	89.749
2014/05/01	09:41:05	0.2667	54.563	90.486
2014/05/01	09:41:35	0.2750	54.631	91.180
2014/05/01	09:42:05	0.2833	54.567	91.852
2014/05/01	09:42:35	0.2917	54.574	92.493
2014/05/01	09:43:05	0.3000	54.570	93.117
2014/05/01	09:43:35	0.3083	54.562	93.727
2014/05/01	09:44:05	0.3167	54.616	94.294
2014/05/01	09:44:35	0.3250	54.576	94.847
2014/05/01	09:45:05	0.3333	54.586	95.378
2014/05/01	09:45:35	0.3417	54.589	95.880
2014/05/01	09:46:05	0.3500	54.588	96.366
2014/05/01	09:46:35	0.3583	54.599	96.831
2014/05/01	09:47:05	0.3667	54.576	97.273
2014/05/01	09:47:35	0.3750	54.564	97.711
2014/05/01	09:48:05	0.3833	54.615	98.134
2014/05/01	09:48:35	0.3917	54.595	98.523
2014/05/01	09:49:05	0.4000	54.602	98.904
2014/05/01	09:49:35	0.4083	54.638	99.277

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2014/05/01	09:50:05	0.4167	54.625	99.639
2014/05/01	09:50:35	0.4250	54.642	99.973
2014/05/01	09:51:05	0.4333	54.626	100.296
2014/05/01	09:51:35	0.4417	54.606	100.620
2014/05/01	09:52:05	0.4500	54.656	100.927
2014/05/01	09:52:35	0.4583	54.653	101.217
2014/05/01	09:53:05	0.4667	54.657	101.491
2014/05/01	09:53:35	0.4750	54.669	101.759
2014/05/01	09:54:05	0.4833	54.704	102.015
2014/05/01	09:54:35	0.4917	54.753	102.263
2014/05/01	09:55:05	0.5000	54.732	102.497
2014/05/01	09:55:35	0.5083	54.715	102.726
2014/05/01	09:56:05	0.5167	54.709	102.943
2014/05/01	09:56:35	0.5250	54.758	103.161
2014/05/01	09:57:05	0.5333	54.740	103.363
2014/05/01	09:57:35	0.5417	54.746	103.557
2014/05/01	09:58:05	0.5500	54.729	103.750
2014/05/01	09:58:35	0.5583	54.732	103.941
2014/05/01	09:59:05	0.5667	54.745	104.124
2014/05/01	09:59:35	0.5750	54.746	104.299
2014/05/01	10:00:05	0.5833	54.748	104.463
2014/05/01	10:00:35	0.5917	54.724	104.625
2014/05/01	10:01:05	0.6000	54.723	104.785
2014/05/01	10:01:35	0.6083	54.730	104.936
2014/05/01	10:02:05	0.6167	54.769	105.087
2014/05/01	10:02:35	0.6250	54.773	105.231
2014/05/01	10:03:05	0.6333	54.784	105.364
2014/05/01	10:03:35	0.6417	54.773	105.494
2014/05/01	10:04:05	0.6500	54.758	105.624
2014/05/01	10:04:35	0.6583	54.757	105.748
2014/05/01	10:05:05	0.6667	54.755	105.859
2014/05/01	10:05:35	0.6750	54.756	105.991
2014/05/01	10:06:05	0.6833	54.758	106.088
2014/05/01	10:06:35	0.6917	54.810	106.205
2014/05/01	10:07:05	0.7000	54.814	106.308
2014/05/01	10:07:35	0.7083	54.753	106.412
2014/05/01	10:08:05	0.7167	54.751	106.507
2014/05/01	10:08:35	0.7250	54.756	106.605
2014/05/01	10:09:05	0.7333	54.768	106.693
2014/05/01	10:09:35	0.7417	54.770	106.783
2014/05/01	10:10:05	0.7500	54.776	106.867
2014/05/01	10:10:35	0.7583	54.789	106.947
2014/05/01	10:11:05	0.7667	54.795	107.033
2014/05/01	10:11:35	0.7750	54.801	107.112
2014/05/01	10:12:05	0.7833	54.805	107.188
2014/05/01	10:12:35	0.7917	54.812	107.256
2014/05/01	10:13:05	0.8000	54.812	107.335
2014/05/01	10:13:35	0.8083	54.790	107.404
2014/05/01	10:14:05	0.8167	54.784	107.478
2014/05/01	10:14:35	0.8250	54.785	107.541

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 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	10:15:05	0.8333	54.786	107.602
2014/05/01	10:15:35	0.8417	54.784	107.663
2014/05/01	10:16:05	0.8500	54.789	107.722
2014/05/01	10:16:35	0.8583	54.794	107.776
2014/05/01	10:17:05	0.8667	54.796	107.834
2014/05/01	10:17:35	0.8750	54.805	107.886
2014/05/01	10:18:05	0.8833	54.800	107.937
2014/05/01	10:18:35	0.8917	54.806	107.991
2014/05/01	10:19:05	0.9000	54.819	108.030
2014/05/01	10:19:35	0.9083	54.827	108.090
2014/05/01	10:20:05	0.9167	54.839	108.133
2014/05/01	10:20:35	0.9250	54.845	108.181
2014/05/01	10:21:05	0.9333	54.842	108.225
2014/05/01	10:21:35	0.9417	54.844	108.271
2014/05/01	10:22:05	0.9500	54.841	108.313
2014/05/01	10:22:35	0.9583	54.834	108.351
2014/05/01	10:23:05	0.9667	54.801	108.392
2014/05/01	10:23:35	0.9750	54.799	108.423
2014/05/01	10:24:05	0.9833	54.802	108.468
2014/05/01	10:24:35	0.9917	54.802	108.507
2014/05/01	10:25:05	1.0000	54.806	108.534
2014/05/01	10:25:35	1.0083	54.810	108.570
2014/05/01	10:26:05	1.0167	54.813	108.606
2014/05/01	10:26:35	1.0250	54.814	108.640
2014/05/01	10:27:05	1.0333	54.818	108.671
2014/05/01	10:27:35	1.0417	54.835	108.694
2014/05/01	10:28:05	1.0500	54.833	108.727
2014/05/01	10:28:35	1.0583	54.834	108.756
2014/05/01	10:29:05	1.0667	54.831	108.786
2014/05/01	10:29:35	1.0750	54.829	108.810
2014/05/01	10:30:05	1.0833	54.836	108.842
2014/05/01	10:30:35	1.0917	54.831	108.871
2014/05/01	10:31:05	1.1000	54.838	108.894
2014/05/01	10:31:35	1.1083	54.847	108.912
2014/05/01	10:32:05	1.1167	54.864	108.943
2014/05/01	10:32:35	1.1250	54.865	108.964
2014/05/01	10:33:05	1.1333	54.857	108.990
2014/05/01	10:33:35	1.1417	54.852	109.011
2014/05/01	10:34:05	1.1500	54.853	109.033
2014/05/01	10:34:35	1.1583	54.854	109.056
2014/05/01	10:35:05	1.1667	54.856	109.076
2014/05/01	10:35:35	1.1750	54.855	109.092
2014/05/01	10:36:05	1.1833	54.856	109.112
2014/05/01	10:36:35	1.1917	54.855	109.134
2014/05/01	10:37:05	1.2000	54.863	109.150
2014/05/01	10:37:35	1.2083	54.865	109.166
POOH Gradient: 3009.000 ft				
2014/05/01	10:37:50	1.2125	54.819	109.171
2014/05/01	10:38:05	1.2167	54.677	109.141
2014/05/01	10:38:35	1.2250	54.425	108.682

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2014/05/01	10:39:05	1.2333	54.181	107.924
2014/05/01	10:39:35	1.2417	54.096	107.431
2014/05/01	10:40:05	1.2500	54.062	107.062
2014/05/01	10:40:35	1.2583	54.026	106.716
2014/05/01	10:41:05	1.2667	53.993	106.387
2014/05/01	10:41:35	1.2750	54.009	106.077
2014/05/01	10:42:05	1.2833	54.012	105.780
2014/05/01	10:42:35	1.2917	53.969	105.498
2014/05/01	10:43:05	1.3000	53.996	105.220
2014/05/01	10:43:35	1.3083	53.999	104.958
2014/05/01	10:44:05	1.3167	54.001	104.716
2014/05/01	10:44:35	1.3250	53.964	104.472
POOH Gradient: 2500.000 ft				
2014/05/01	10:45:00	1.3319	53.942	104.173
2014/05/01	10:45:05	1.3333	53.889	104.070
2014/05/01	10:45:35	1.3417	53.605	103.210
2014/05/01	10:46:05	1.3500	53.399	102.214
2014/05/01	10:46:35	1.3583	53.354	101.642
2014/05/01	10:47:05	1.3667	53.261	101.143
2014/05/01	10:47:35	1.3750	53.286	100.699
2014/05/01	10:48:05	1.3833	53.249	100.290
2014/05/01	10:48:35	1.3917	53.243	99.900
2014/05/01	10:49:05	1.4000	53.223	99.531
2014/05/01	10:49:35	1.4083	53.230	99.172
2014/05/01	10:50:05	1.4167	53.238	98.847
2014/05/01	10:50:35	1.4250	53.227	98.523
2014/05/01	10:51:05	1.4333	53.240	98.218
2014/05/01	10:51:35	1.4417	53.226	97.916
POOH Gradient: 2000.000 ft				
2014/05/01	10:51:45	1.4444	53.199	97.759
2014/05/01	10:52:05	1.4500	53.057	97.225
2014/05/01	10:52:35	1.4583	52.664	96.197
2014/05/01	10:53:05	1.4667	52.598	95.364
2014/05/01	10:53:35	1.4750	52.605	94.964
2014/05/01	10:54:05	1.4833	52.591	94.586
2014/05/01	10:54:35	1.4917	52.535	94.239
2014/05/01	10:55:05	1.5000	52.554	93.893
2014/05/01	10:55:35	1.5083	52.535	93.565
2014/05/01	10:56:05	1.5167	52.551	93.245
2014/05/01	10:56:35	1.5250	52.538	92.935
2014/05/01	10:57:05	1.5333	52.510	92.633
2014/05/01	10:57:35	1.5417	52.534	92.340
POOH Gradient: 1500.000 ft				
2014/05/01	10:58:00	1.5486	52.488	92.095
2014/05/01	10:58:05	1.5500	52.467	92.025
2014/05/01	10:58:35	1.5583	52.117	91.189
2014/05/01	10:59:05	1.5667	51.894	89.953
2014/05/01	10:59:35	1.5750	51.839	89.262
2014/05/01	11:00:05	1.5833	51.844	88.880
2014/05/01	11:00:35	1.5917	51.795	88.522

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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	11:01:05	1.6000	51.779	88.167
2014/05/01	11:01:35	1.6083	51.806	87.822
2014/05/01	11:02:05	1.6167	51.782	87.485
2014/05/01	11:02:35	1.6250	51.805	87.150
2014/05/01	11:03:05	1.6333	51.807	86.837
2014/05/01	11:03:35	1.6417	51.812	86.520
2014/05/01	11:04:05	1.6500	51.788	86.214
POOH Gradient: 1000.000 ft				
2014/05/01	11:04:20	1.6542	51.767	86.056
2014/05/01	11:04:35	1.6583	51.627	85.681
2014/05/01	11:05:05	1.6667	51.343	84.504
2014/05/01	11:05:35	1.6750	51.130	83.206
2014/05/01	11:06:05	1.6833	51.096	82.630
2014/05/01	11:06:35	1.6917	51.051	82.215
2014/05/01	11:07:05	1.7000	51.061	81.824
2014/05/01	11:07:35	1.7083	50.977	81.442
2014/05/01	11:08:05	1.7167	50.960	81.068
2014/05/01	11:08:35	1.7250	50.986	80.697
2014/05/01	11:09:05	1.7333	50.998	80.346
2014/05/01	11:09:35	1.7417	50.965	80.002
2014/05/01	11:10:05	1.7500	50.985	79.666
2014/05/01	11:10:35	1.7583	50.881	79.335
2014/05/01	11:11:05	1.7667	50.899	78.807
POOH Gradient: 500.000 ft				
2014/05/01	11:11:10	1.7681	50.913	78.654
2014/05/01	11:11:35	1.7750	50.742	77.799
2014/05/01	11:12:05	1.7833	50.508	76.665
2014/05/01	11:12:35	1.7917	50.314	75.717
2014/05/01	11:13:05	1.8000	50.312	75.416
2014/05/01	11:13:35	1.8083	50.263	75.225
2014/05/01	11:14:05	1.8167	50.245	75.054
2014/05/01	11:14:35	1.8250	50.206	74.885
2014/05/01	11:15:05	1.8333	50.196	74.707
2014/05/01	11:15:35	1.8417	50.210	74.543
2014/05/01	11:16:05	1.8500	50.232	74.385
2014/05/01	11:16:35	1.8583	50.235	74.232
2014/05/01	11:17:05	1.8667	50.217	74.071
2014/05/01	11:17:35	1.8750	50.192	73.918
POOH Gradient: 0.000 ft				
2014/05/01	11:18:00	1.8819	50.191	73.792
2014/05/01	11:18:05	1.8833	38.438	73.769
2014/05/01	11:18:35	1.8917	0.000	73.414
2014/05/01	11:19:05	1.9000	0.000	73.011
2014/05/01	11:19:35	1.9083	0.000	72.576
2014/05/01	11:20:05	1.9167	0.000	72.405
2014/05/01	11:20:35	1.9250	0.000	72.387
2014/05/01	11:21:05	1.9333	0.000	72.147
2014/05/01	11:21:35	1.9417	0.000	71.832
2014/05/01	11:22:05	1.9500	0.000	71.398
2014/05/01	11:22:35	1.9583	0.000	70.876

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2014/05/01	11:23:05	1.9667	0.000	70.365
2014/05/01	11:23:35	1.9750	0.000	69.969
2014/05/01	11:24:05	1.9833	0.000	69.674
2014/05/01	11:24:35	1.9917	0.000	69.368
2014/05/01	11:25:05	2.0000	0.000	69.085
2014/05/01	11:25:35	2.0083	0.000	68.713
2014/05/01	11:26:05	2.0167	0.000	68.331
2014/05/01	11:26:35	2.0250	0.000	68.340
2014/05/01	11:27:05	2.0333	0.000	68.284