

OIL CONS. DIV DIST. 3
MAY 29 2014

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 32-7 UNIT 211 -- API # 30-045-28238
Well Location T32N, R7W, SEC. 35
Field and Pool FRUITLAND COAL
Status (Oil, Gas, Water, Injection) OBSERVATION
Perforated Intervals 3212-3336
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

OIL CONS. DIV DIST. 3

JUN 2 2014

TEST INFORMATION

Type of Test POOH STATIC GRADIENT
Date(s) of Test MAY 20, 2014
Dead-weight Gauge Tubing Pressure 0
Dead-weight Gauge Casing Pressure 0
Shut-in Date (Duration)
Date / Time on Bottom 5/20/14 @ 0917 HRS
Date / Time off Bottom 5/20/14 @ 1017 HRS
Probe Serial Number 9736
Probe Offset from End of Tool String 0-6000
Run Depth at Probe Pressure Port 3144

PRESSURE TEST RESULTS

Maximum Recorded Probe Pressure 480.6 psig
Maximum Recorded Probe Temperature 111.3 deg F
Final Buildup Pressure
Gradient Survey Information
 Extrapolated Pressure to MPP
 Final Gradient at Depth
Job Number 31923WP

Company Name	CONOCOPHILLIPS
Well Name	SAN JUAN 32-7 UNIT 211
Type of Test	POOH STATIC GRADIENT
Date(s) of Test	MAY 20, 2014

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 32-7 UNIT 211
Type of Test	POOH STATIC GRADIENT
Date(s) of Test	MAY 20, 2014

COMMENTS

Reported By

PHOENIX SERVICES

RAN 1.657 GR TO 3145'-SET DOWN-RAN TANDEM BHP GAUGES TO 3144'-SET 1 HR-POOH
MAKING GRADIENT STOPS.

Company Name	CONOCOPHILLIPS
Well Name	SAN JUAN 32-7 UNIT 211
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)
0917	1017	3144.000	480.634	-	111.290	-
1018	1023	3000.000	417.515	0.4383	108.954	0.0162
1024	1029	2500.000	200.255	0.4345	98.094	0.0217
1032	1037	2000.000	0.000	0.4005	89.510	0.0172
1039	1044	1500.000	0.000	0.0000	87.215	0.0046
1046	1051	1000.000	0.000	0.0000	83.919	0.0066
1053	1058	500.000	0.000	0.0000	79.921	0.0080
1059	1104	0.000	0.000	0.0000	76.831	0.0062

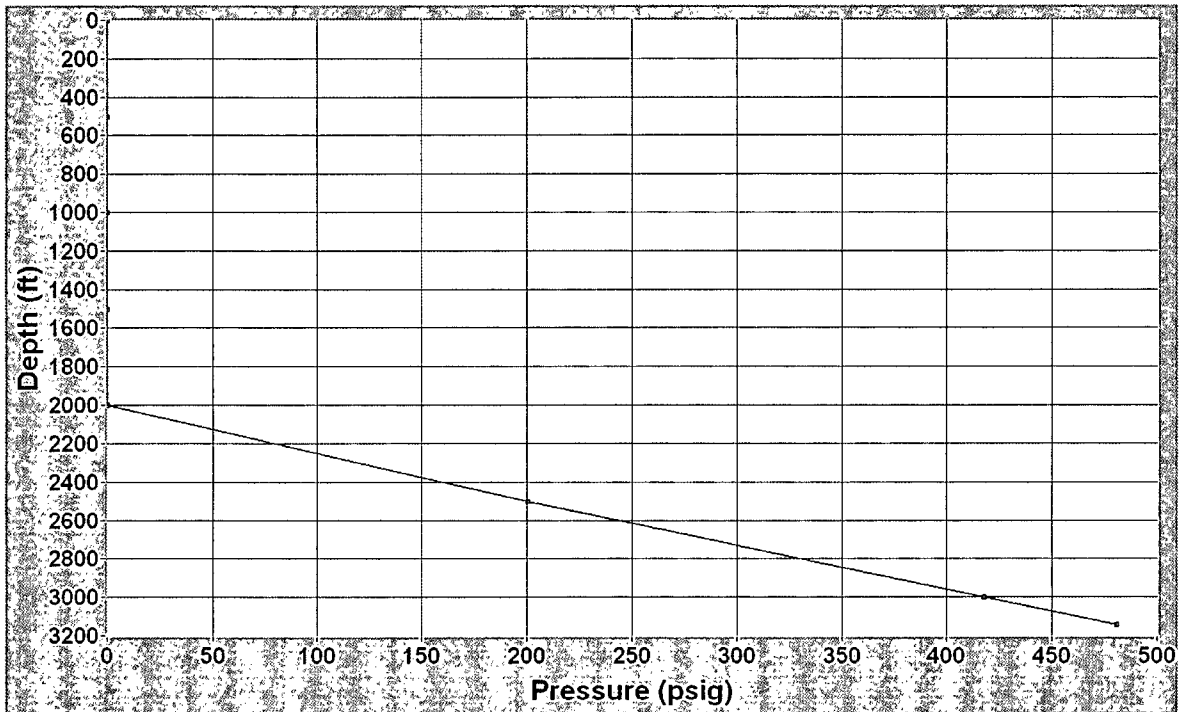
Extrapolated to MPP:

(ft)	(psig)	(deg F)
0.000		

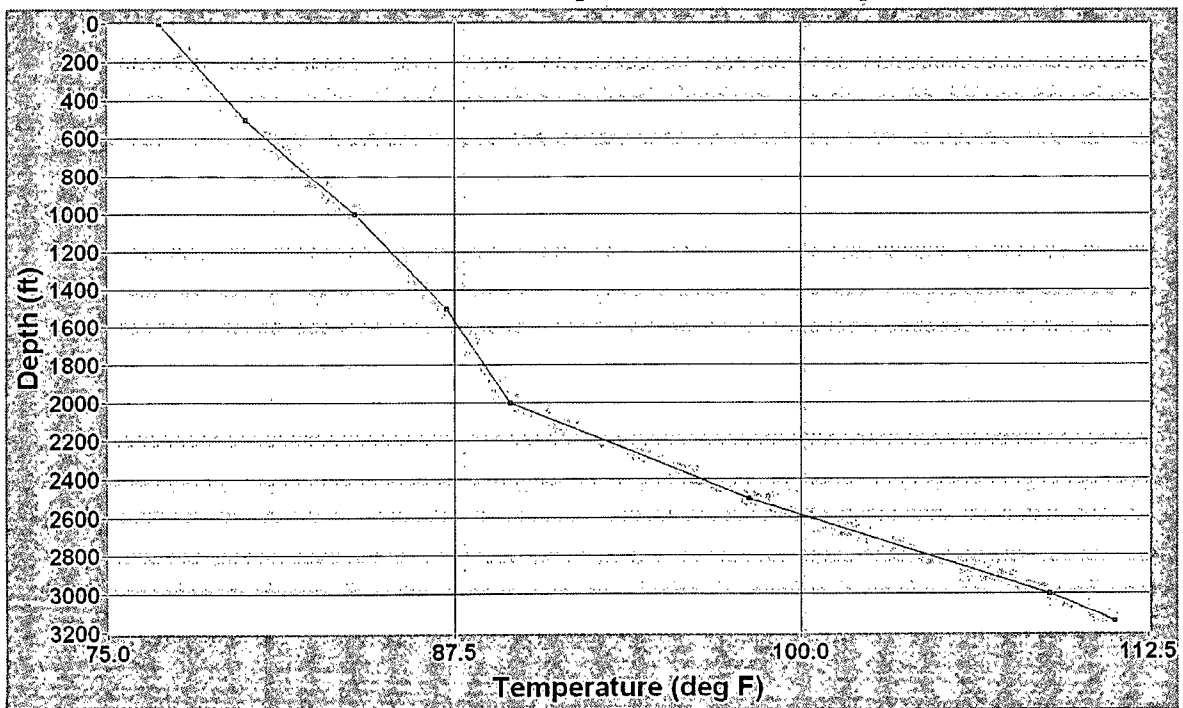
Company Name CONOCOPHILLIPS
Well Name SAN JUAN 32-7 UNIT 211
Type of Test POOH STATIC GRADIENT
Date(s) of Test MAY 20, 2014

Probe Serial Number 9736

POOH Gradient Depth vs. Pressure

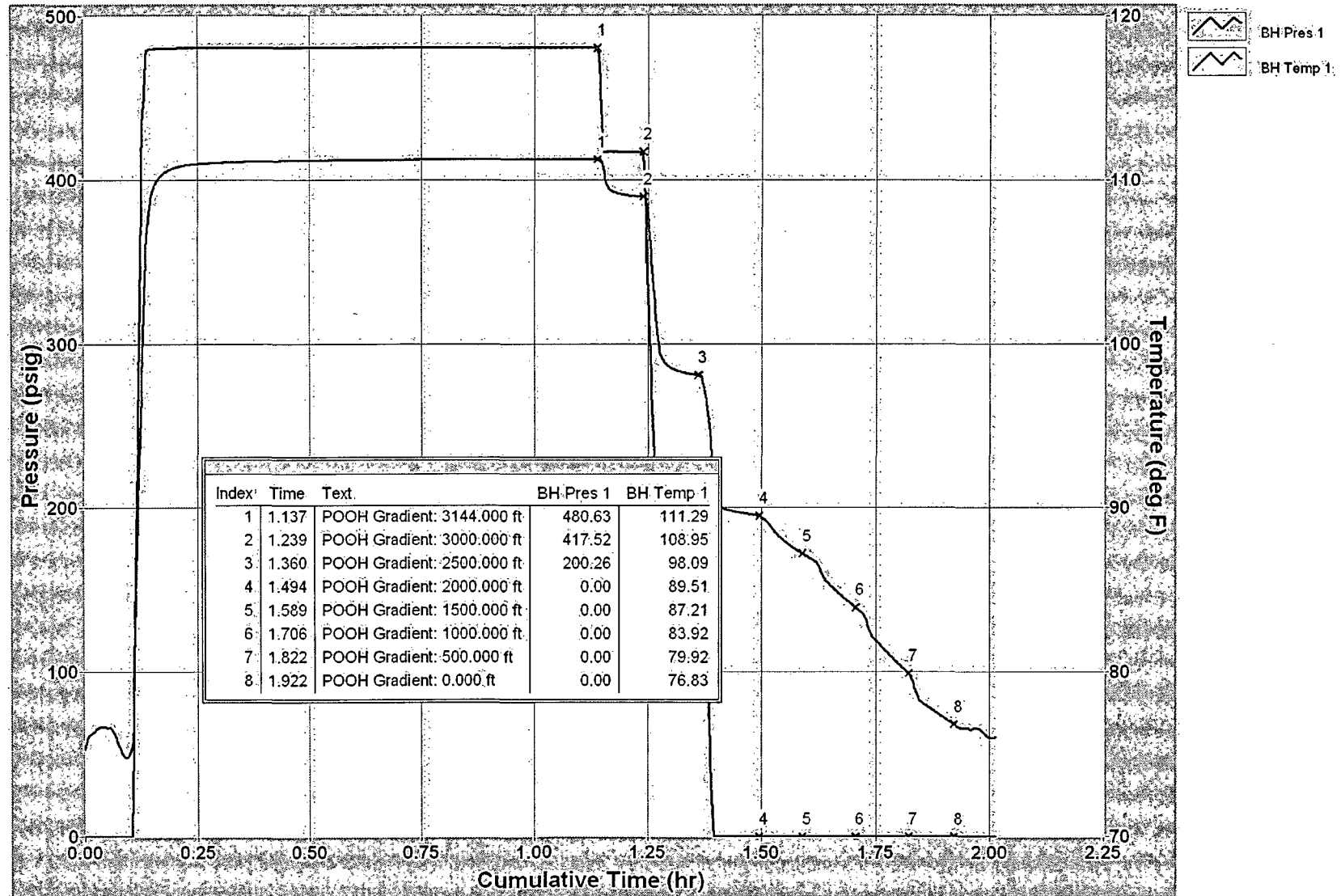


POOH Gradient Depth vs. Temperature



Company Name CONOCOPHILLIPS
 Well Name SAN JUAN 32-7 UNIT 211
 Type of Test POOH STATIC GRADIENT
 Date(s) of Test MAY 20, 2014

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 MAY 20, 2014

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2014/05/20	09:08:05	0.0000	0.000	75.301
2014/05/20	09:08:35	0.0083	0.000	76.055
2014/05/20	09:09:05	0.0167	0.000	76.266
2014/05/20	09:09:35	0.0250	0.000	76.458
2014/05/20	09:10:05	0.0333	0.000	76.638
2014/05/20	09:10:35	0.0417	0.000	76.658
2014/05/20	09:11:05	0.0500	0.000	76.633
2014/05/20	09:11:35	0.0583	0.000	76.572
2014/05/20	09:12:05	0.0667	0.000	76.172
2014/05/20	09:12:35	0.0750	0.000	75.562
2014/05/20	09:13:05	0.0833	0.000	75.043
2014/05/20	09:13:35	0.0917	0.000	74.815
2014/05/20	09:14:05	0.1000	0.000	75.085
2014/05/20	09:14:35	0.1083	75.724	78.645
2014/05/20	09:15:05	0.1167	228.775	89.069
2014/05/20	09:15:35	0.1250	379.838	96.787
2014/05/20	09:16:05	0.1333	464.179	104.014
2014/05/20	09:16:35	0.1417	479.575	107.991
2014/05/20	09:17:05	0.1500	479.997	109.308
2014/05/20	09:17:35	0.1583	480.172	109.850
2014/05/20	09:18:05	0.1667	480.319	110.172
2014/05/20	09:18:35	0.1750	480.421	110.399
2014/05/20	09:19:05	0.1833	480.488	110.557
2014/05/20	09:19:35	0.1917	480.527	110.671
2014/05/20	09:20:05	0.2000	480.562	110.766
2014/05/20	09:20:35	0.2083	480.574	110.829
2014/05/20	09:21:05	0.2167	480.584	110.889
2014/05/20	09:21:35	0.2250	480.589	110.925
2014/05/20	09:22:05	0.2333	480.586	110.948
2014/05/20	09:22:35	0.2417	480.585	110.975
2014/05/20	09:23:05	0.2500	480.593	110.993
2014/05/20	09:23:35	0.2583	480.605	111.011
2014/05/20	09:24:05	0.2667	480.602	111.029
2014/05/20	09:24:35	0.2750	480.607	111.040
2014/05/20	09:25:05	0.2833	480.602	111.051
2014/05/20	09:25:35	0.2917	480.608	111.074
2014/05/20	09:26:05	0.3000	480.606	111.081
2014/05/20	09:26:35	0.3083	480.605	111.094
2014/05/20	09:27:05	0.3167	480.608	111.103
2014/05/20	09:27:35	0.3250	480.607	111.108
2014/05/20	09:28:05	0.3333	480.607	111.114
2014/05/20	09:28:35	0.3417	480.614	111.123
2014/05/20	09:29:05	0.3500	480.610	111.130
2014/05/20	09:29:35	0.3583	480.619	111.135
2014/05/20	09:30:05	0.3667	480.614	111.137
2014/05/20	09:30:35	0.3750	480.615	111.142
2014/05/20	09:31:05	0.3833	480.611	111.146
2014/05/20	09:31:35	0.3917	480.610	111.144
2014/05/20	09:32:05	0.4000	480.619	111.164
2014/05/20	09:32:35	0.4083	480.617	111.166

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2014/05/20	09:33:05	0.4167	480.614	111.168
2014/05/20	09:33:35	0.4250	480.613	111.173
2014/05/20	09:34:05	0.4333	480.614	111.175
2014/05/20	09:34:35	0.4417	480.610	111.180
2014/05/20	09:35:05	0.4500	480.622	111.187
2014/05/20	09:35:35	0.4583	480.614	111.184
2014/05/20	09:36:05	0.4667	480.616	111.196
2014/05/20	09:36:35	0.4750	480.611	111.191
2014/05/20	09:37:05	0.4833	480.608	111.198
2014/05/20	09:37:35	0.4917	480.613	111.211
2014/05/20	09:38:05	0.5000	480.616	111.204
2014/05/20	09:38:35	0.5083	480.620	111.211
2014/05/20	09:39:05	0.5167	480.616	111.211
2014/05/20	09:39:35	0.5250	480.619	111.223
2014/05/20	09:40:05	0.5333	480.613	111.218
2014/05/20	09:40:35	0.5417	480.606	111.218
2014/05/20	09:41:05	0.5500	480.606	111.223
2014/05/20	09:41:35	0.5583	480.598	111.222
2014/05/20	09:42:05	0.5667	480.600	111.227
2014/05/20	09:42:35	0.5750	480.595	111.231
2014/05/20	09:43:05	0.5833	480.597	111.234
2014/05/20	09:43:35	0.5917	480.627	111.234
2014/05/20	09:44:05	0.6000	480.619	111.238
2014/05/20	09:44:35	0.6083	480.616	111.240
2014/05/20	09:45:05	0.6167	480.623	111.249
2014/05/20	09:45:35	0.6250	480.615	111.247
2014/05/20	09:46:05	0.6333	480.606	111.247
2014/05/20	09:46:35	0.6417	480.610	111.249
2014/05/20	09:47:05	0.6500	480.613	111.247
2014/05/20	09:47:35	0.6583	480.612	111.252
2014/05/20	09:48:05	0.6667	480.607	111.250
2014/05/20	09:48:35	0.6750	480.613	111.249
2014/05/20	09:49:05	0.6833	480.615	111.254
2014/05/20	09:49:35	0.6917	480.616	111.256
2014/05/20	09:50:05	0.7000	480.619	111.254
2014/05/20	09:50:35	0.7083	480.615	111.261
2014/05/20	09:51:05	0.7167	480.615	111.261
2014/05/20	09:51:35	0.7250	480.617	111.265
2014/05/20	09:52:05	0.7333	480.616	111.261
2014/05/20	09:52:35	0.7417	480.616	111.263
2014/05/20	09:53:05	0.7500	480.617	111.265
2014/05/20	09:53:35	0.7583	480.629	111.268
2014/05/20	09:54:05	0.7667	480.622	111.261
2014/05/20	09:54:35	0.7750	480.633	111.270
2014/05/20	09:55:05	0.7833	480.628	111.276
2014/05/20	09:55:35	0.7917	480.630	111.272
2014/05/20	09:56:05	0.8000	480.631	111.274
2014/05/20	09:56:35	0.8083	480.624	111.274
2014/05/20	09:57:05	0.8167	480.626	111.270
2014/05/20	09:57:35	0.8250	480.623	111.279

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Type of Test POOH STATIC GRADIENT
Date(s) of Test MAY 20, 2014

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2014/05/20	09:58:05	0.8333	480.629	111.277
2014/05/20	09:58:35	0.8417	480.627	111.274
2014/05/20	09:59:05	0.8500	480.624	111.281
2014/05/20	09:59:35	0.8583	480.622	111.276
2014/05/20	10:00:05	0.8667	480.622	111.277
2014/05/20	10:00:35	0.8750	480.622	111.285
2014/05/20	10:01:05	0.8833	480.615	111.276
2014/05/20	10:01:35	0.8917	480.627	111.286
2014/05/20	10:02:05	0.9000	480.628	111.283
2014/05/20	10:02:35	0.9083	480.632	111.283
2014/05/20	10:03:05	0.9167	480.628	111.283
2014/05/20	10:03:35	0.9250	480.627	111.286
2014/05/20	10:04:05	0.9333	480.623	111.285
2014/05/20	10:04:35	0.9417	480.626	111.286
2014/05/20	10:05:05	0.9500	480.634	111.290
2014/05/20	10:05:35	0.9583	480.629	111.285
2014/05/20	10:06:05	0.9667	480.615	111.281
2014/05/20	10:06:35	0.9750	480.623	111.286
2014/05/20	10:07:05	0.9833	480.622	111.290
2014/05/20	10:07:35	0.9917	480.627	111.288
2014/05/20	10:08:05	1.0000	480.623	111.294
2014/05/20	10:08:35	1.0083	480.618	111.290
2014/05/20	10:09:05	1.0167	480.626	111.299
2014/05/20	10:09:35	1.0250	480.619	111.283
2014/05/20	10:10:05	1.0333	480.624	111.288
2014/05/20	10:10:35	1.0417	480.609	111.299
2014/05/20	10:11:05	1.0500	480.619	111.292
2014/05/20	10:11:35	1.0583	480.626	111.294
2014/05/20	10:12:05	1.0667	480.632	111.292
2014/05/20	10:12:35	1.0750	480.632	111.292
2014/05/20	10:13:05	1.0833	480.626	111.294
2014/05/20	10:13:35	1.0917	480.635	111.299
2014/05/20	10:14:05	1.1000	480.627	111.295
2014/05/20	10:14:35	1.1083	480.630	111.295
2014/05/20	10:15:05	1.1167	480.633	111.294
2014/05/20	10:15:35	1.1250	480.633	111.294
2014/05/20	10:16:05	1.1333	480.643	111.301
POOH Gradient: 3144.000 ft				
2014/05/20	10:16:20	1.1375	480.634	111.290
2014/05/20	10:16:35	1.1417	469.040	111.299
2014/05/20	10:17:05	1.1500	419.428	110.739
2014/05/20	10:17:35	1.1583	417.452	109.677
2014/05/20	10:18:05	1.1667	417.572	109.373
2014/05/20	10:18:35	1.1750	417.544	109.243
2014/05/20	10:19:05	1.1833	417.555	109.162
2014/05/20	10:19:35	1.1917	417.538	109.099
2014/05/20	10:20:05	1.2000	417.528	109.062
2014/05/20	10:20:35	1.2083	417.520	109.022
2014/05/20	10:21:05	1.2167	417.517	108.995
2014/05/20	10:21:35	1.2250	417.517	108.975

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2014/05/20	10:22:05	1.2333	417.519	108.955
POOH Gradient: 3000.000 ft				
2014/05/20	10:22:25	1.2389	417.515	108.954
2014/05/20	10:22:35	1.2417	397.907	108.916
2014/05/20	10:23:05	1.2500	330.261	107.418
2014/05/20	10:23:35	1.2583	261.594	104.522
2014/05/20	10:24:05	1.2667	209.460	101.611
2014/05/20	10:24:35	1.2750	200.481	99.550
2014/05/20	10:25:05	1.2833	200.429	98.965
2014/05/20	10:25:35	1.2917	200.374	98.708
2014/05/20	10:26:05	1.3000	200.343	98.546
2014/05/20	10:26:35	1.3083	200.306	98.418
2014/05/20	10:27:05	1.3167	200.289	98.337
2014/05/20	10:27:35	1.3250	200.277	98.263
2014/05/20	10:28:05	1.3333	200.256	98.211
2014/05/20	10:28:35	1.3417	200.252	98.170
2014/05/20	10:29:05	1.3500	200.242	98.127
2014/05/20	10:29:35	1.3583	200.239	98.096
POOH Gradient: 2500.000 ft				
2014/05/20	10:29:40	1.3597	200.255	98.094
2014/05/20	10:30:05	1.3667	180.724	97.954
2014/05/20	10:30:35	1.3750	132.827	96.868
2014/05/20	10:31:05	1.3833	76.805	95.031
2014/05/20	10:31:35	1.3917	15.727	92.503
2014/05/20	10:32:05	1.4000	0.000	90.545
2014/05/20	10:32:35	1.4083	0.000	90.099
2014/05/20	10:33:05	1.4167	0.000	89.951
2014/05/20	10:33:35	1.4250	0.000	89.879
2014/05/20	10:34:05	1.4333	0.000	89.829
2014/05/20	10:34:35	1.4417	0.000	89.784
2014/05/20	10:35:05	1.4500	0.000	89.737
2014/05/20	10:35:35	1.4583	0.000	89.697
2014/05/20	10:36:05	1.4667	0.000	89.656
2014/05/20	10:36:35	1.4750	0.000	89.613
2014/05/20	10:37:05	1.4833	0.000	89.577
2014/05/20	10:37:35	1.4917	0.000	89.537
POOH Gradient: 2000.000 ft				
2014/05/20	10:37:45	1.4944	0.000	89.510
2014/05/20	10:38:05	1.5000	0.000	89.433
2014/05/20	10:38:35	1.5083	0.000	89.262
2014/05/20	10:39:05	1.5167	0.000	88.984
2014/05/20	10:39:35	1.5250	0.000	88.673
2014/05/20	10:40:05	1.5333	0.000	88.389
2014/05/20	10:40:35	1.5417	0.000	88.167
2014/05/20	10:41:05	1.5500	0.000	87.976
2014/05/20	10:41:35	1.5583	0.000	87.789
2014/05/20	10:42:05	1.5667	0.000	87.618
2014/05/20	10:42:35	1.5750	0.000	87.453
2014/05/20	10:43:05	1.5833	0.000	87.307
POOH Gradient: 1500.000 ft				

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Well Name SAN JUAN 32-7 UNIT 211
Type of Test POOH STATIC GRADIENT
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Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2014/05/20	10:43:25	1.5889	0.000	87.215
2014/05/20	10:43:35	1.5917	0.000	87.157
2014/05/20	10:44:05	1.6000	0.000	87.019
2014/05/20	10:44:35	1.6083	0.000	86.884
2014/05/20	10:45:05	1.6167	0.000	86.729
2014/05/20	10:45:35	1.6250	0.000	86.400
2014/05/20	10:46:05	1.6333	0.000	85.860
2014/05/20	10:46:35	1.6417	0.000	85.525
2014/05/20	10:47:05	1.6500	0.000	85.285
2014/05/20	10:47:35	1.6583	0.000	85.062
2014/05/20	10:48:05	1.6667	0.000	84.841
2014/05/20	10:48:35	1.6750	0.000	84.641
2014/05/20	10:49:05	1.6833	0.000	84.436
2014/05/20	10:49:35	1.6917	0.000	84.238
2014/05/20	10:50:05	1.7000	0.000	84.042
POOH Gradient: 1000.000 ft				
2014/05/20	10:50:25	1.7056	0.000	83.919
2014/05/20	10:50:35	1.7083	0.000	83.865
2014/05/20	10:51:05	1.7167	0.000	83.673
2014/05/20	10:51:35	1.7250	0.000	83.426
2014/05/20	10:52:05	1.7333	0.000	82.765
2014/05/20	10:52:35	1.7417	0.000	82.215
2014/05/20	10:53:05	1.7500	0.000	81.946
2014/05/20	10:53:35	1.7583	0.000	81.700
2014/05/20	10:54:05	1.7667	0.000	81.444
2014/05/20	10:54:35	1.7750	0.000	81.201
2014/05/20	10:55:05	1.7833	0.000	80.967
2014/05/20	10:55:35	1.7917	0.000	80.730
2014/05/20	10:56:05	1.8000	0.000	80.508
2014/05/20	10:56:35	1.8083	0.000	80.287
2014/05/20	10:57:05	1.8167	0.000	80.065
POOH Gradient: 500.000 ft				
2014/05/20	10:57:25	1.8222	0.000	79.921
2014/05/20	10:57:35	1.8250	0.000	79.826
2014/05/20	10:58:05	1.8333	0.000	79.252
2014/05/20	10:58:35	1.8417	0.000	78.557
2014/05/20	10:59:05	1.8500	0.000	78.206
2014/05/20	10:59:35	1.8583	0.000	78.039
2014/05/20	11:00:05	1.8667	0.000	77.880
2014/05/20	11:00:35	1.8750	0.000	77.722
2014/05/20	11:01:05	1.8833	0.000	77.562
2014/05/20	11:01:35	1.8917	0.000	77.407
2014/05/20	11:02:05	1.9000	0.000	77.241
2014/05/20	11:02:35	1.9083	0.000	77.081
2014/05/20	11:03:05	1.9167	0.000	76.935
POOH Gradient: 0.000 ft				
2014/05/20	11:03:25	1.9222	0.000	76.831
2014/05/20	11:03:35	1.9250	0.000	76.773
2014/05/20	11:04:05	1.9333	0.000	76.613
2014/05/20	11:04:35	1.9417	0.000	76.552

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2014/05/20	11:05:05	1.9500	0.000	76.573
2014/05/20	11:05:35	1.9583	0.000	76.476
2014/05/20	11:06:05	1.9667	0.000	76.559
2014/05/20	11:06:35	1.9750	0.000	76.541
2014/05/20	11:07:05	1.9833	0.000	76.406
2014/05/20	11:07:35	1.9917	0.000	76.181
2014/05/20	11:08:05	2.0000	0.000	76.005
2014/05/20	11:08:35	2.0083	0.000	75.988