

Pressure Test Report

OIL CONS. DIV DIST. 3

MAY 14 2015

COMPANY INFORMATION

Company Name
Representative
Phone
Fax
Address

CONOCOPHILLIPS
PRISCILLA SHORTY

E-Mail Address
Service Company

PHOENIX SERVICES

WELL INFORMATION

Well Name
Well Location
Field and Pool
Status (Oil, Gas, Water, Injection)
Perforated Intervals
Mid-point of Perforated Intervals (MPP)
Drilling Rig Number
Elevations
 Kelly Bushing (KB)
 Casing Flange (CF)
 KB-CF
 Ground Level
Plug Back Total Depth
Total Depth
Production Casing
Production Tubing

SAN JUAN 32-7 UNIT 211
T32N, R7W, SEC. 35
FRUITLAND COAL
OBSERVATION
3212-3336

11

6547
3330
3331
7 TO 3185
2 3/8 TO 3075

TEST INFORMATION

Type of Test
Date(s) of Test
Dead-weight Gauge Tubing Pressure
Dead-weight Gauge Casing Pressure
Shut-in Date (Duration)
Date / Time on Bottom
Date / Time off Bottom

POOH STATIC GRADIENT
5/9/15
0
0

5/9/15 @ 0945 HRS
5/9/15 @ 1045 HRS

Probe Serial Number
Probe Offset from End of Tool String
Run Depth at Probe Pressure Port

W1037
0-6000
3144

PRESSURE TEST RESULTS

Maximum Recorded Probe Pressure
Maximum Recorded Probe Temperature
Final Buildup Pressure
Gradient Survey Information
 Extrapolated Pressure to MPP
 Final Gradient at Depth
Job Number

448.2 psig
111.0 deg F

35000WP

Company Name	CONOCOPHILLIPS
Well Name	SAN JUAN 32-7 UNIT 211
Type of Test	POOH STATIC GRADIENT
Date(s) of Test	5/9/15

PROBE INFORMATION

Probe Serial Number W1037

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	5/9/15

COMMENTS

Reported By

PHOENIX SERVICES

RAN 1.75 GR TO 3156'-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
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Pressure vs. Depth

Probe Serial Number W1037

		(ft)	(psig)	(psi/ft)	(deg F)	(deg F/ft)
0945	1045	3144.000	447.665	-	110.955	-
1045	1050	3000.000	383.908	0.4428	108.415	0.0176
1050	1055	2500.000	166.940	0.4339	97.968	0.0209
1055	1100	2000.000	0.000	0.3339	90.471	0.0150
1100	1105	1500.000	0.000	0.0000	87.242	0.0065
1105	1110	1000.000	0.000	0.0000	83.359	0.0078
1110	1115	500.000	0.000	0.0000	78.798	0.0091
1115	1120	0.000	0.000	0.0000	74.719	0.0082

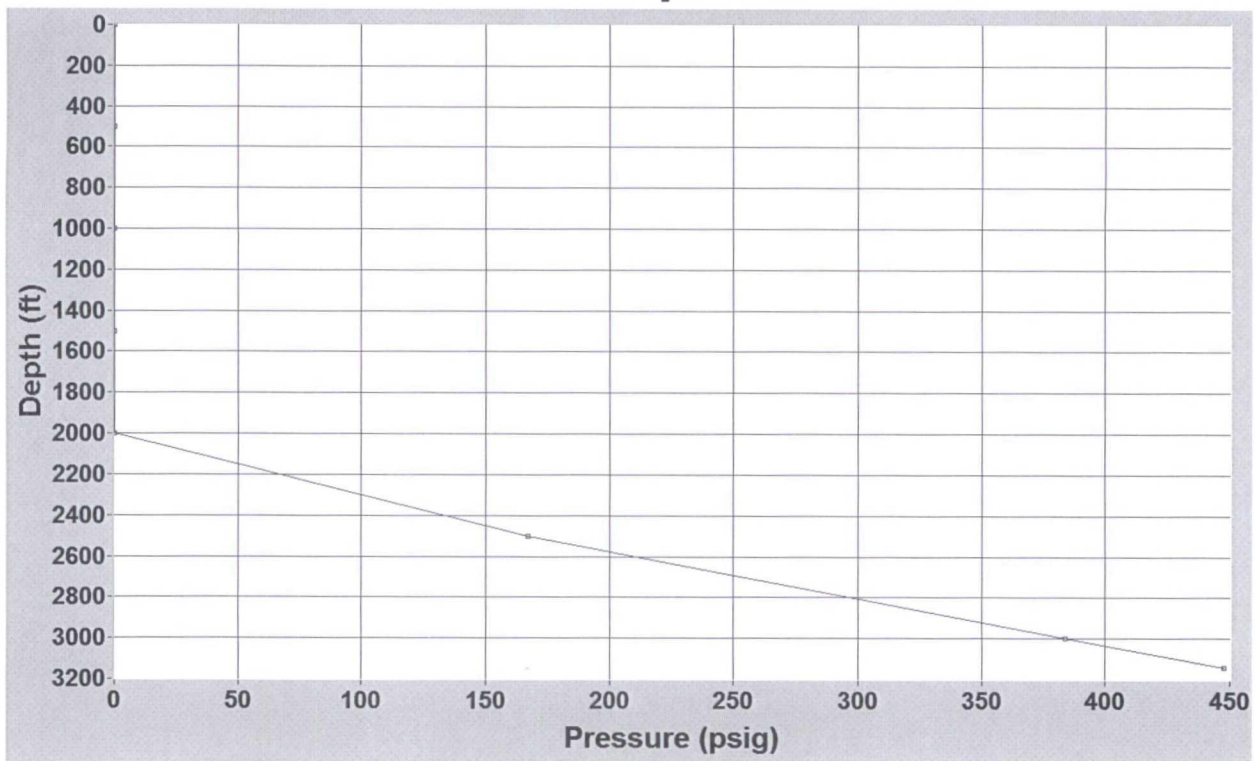
Extrapolated to MPP:

(ft)	(psig)	(deg F)
0.000		

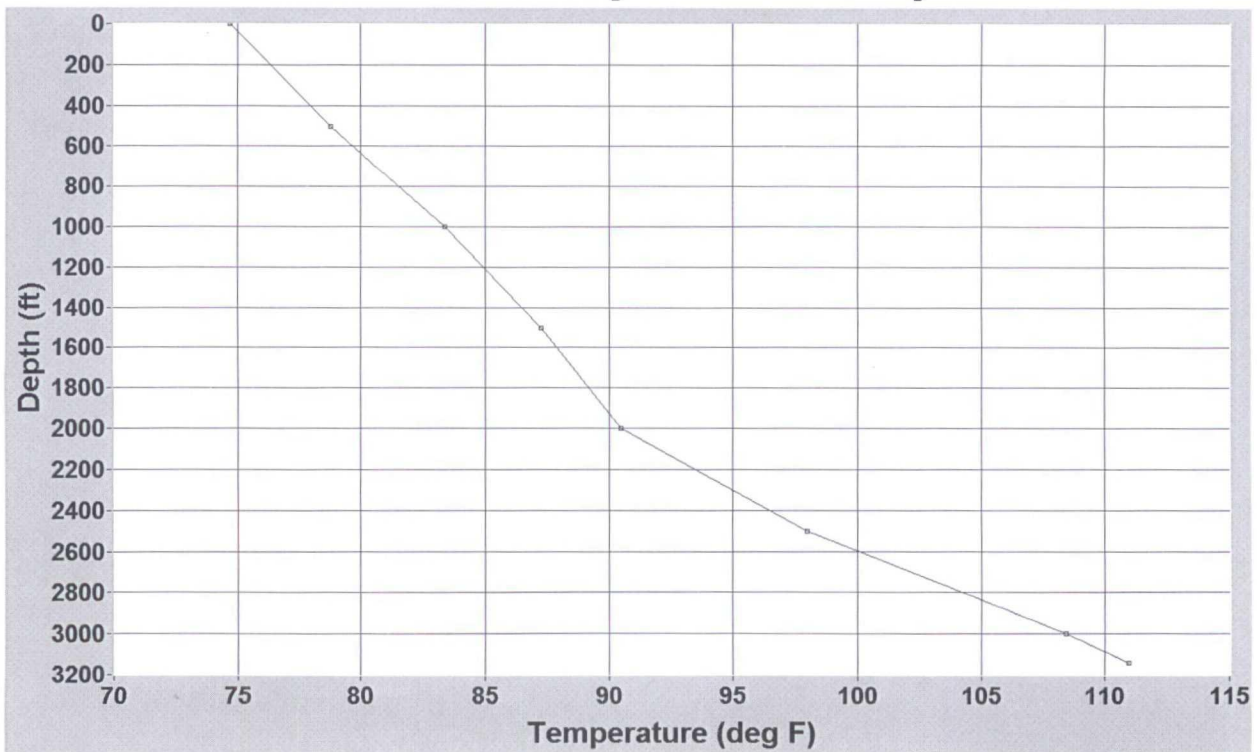
Company Name CONOCOPHILLIPS
Well Name SAN JUAN 32-7 UNIT 211
Type of Test POOH STATIC GRADIENT
Date(s) of Test 5/9/15

Probe Serial Number W1037

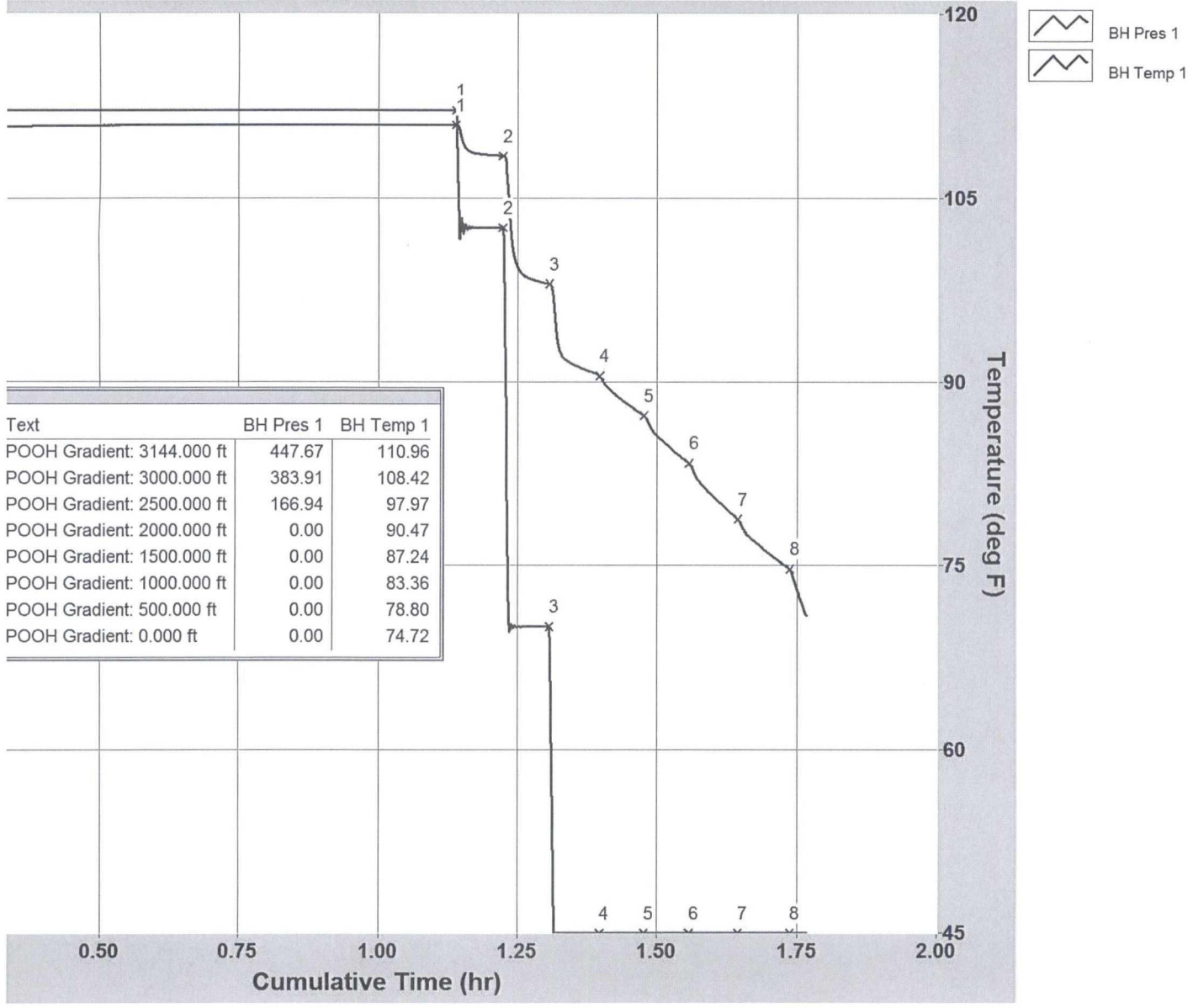
POOH Gradient Depth vs. Pressure



POOH Gradient Depth vs. Temperature



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 5/9/15

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2015/05/09	09:36:05	0.0000	0.000	58.467
2015/05/09	09:36:35	0.0083	0.000	58.255
2015/05/09	09:37:05	0.0167	0.000	57.895
2015/05/09	09:37:35	0.0250	0.000	57.461
2015/05/09	09:38:05	0.0333	0.000	56.970
2015/05/09	09:38:35	0.0417	0.000	56.451
2015/05/09	09:39:05	0.0500	0.000	56.230
2015/05/09	09:39:35	0.0583	0.000	56.127
2015/05/09	09:40:05	0.0667	0.000	56.070
2015/05/09	09:40:35	0.0750	0.000	56.197
2015/05/09	09:41:05	0.0833	0.000	56.626
2015/05/09	09:41:35	0.0917	0.000	57.445
2015/05/09	09:42:05	0.1000	0.000	58.678
2015/05/09	09:42:35	0.1083	0.000	60.379
2015/05/09	09:43:05	0.1167	50.140	65.268
2015/05/09	09:43:35	0.1250	182.566	84.637
2015/05/09	09:44:05	0.1333	316.866	94.701
2015/05/09	09:44:35	0.1417	416.237	102.178
2015/05/09	09:45:05	0.1500	447.939	107.078
2015/05/09	09:45:35	0.1583	447.823	108.482
2015/05/09	09:46:05	0.1667	447.536	109.063
2015/05/09	09:46:35	0.1750	447.632	109.416
2015/05/09	09:47:05	0.1833	447.725	109.665
2015/05/09	09:47:35	0.1917	447.710	109.873
2015/05/09	09:48:05	0.2000	447.731	110.035
2015/05/09	09:48:35	0.2083	447.767	110.172
2015/05/09	09:49:05	0.2167	447.757	110.280
2015/05/09	09:49:35	0.2250	447.766	110.374
2015/05/09	09:50:05	0.2333	447.784	110.449
2015/05/09	09:50:35	0.2417	447.790	110.507
2015/05/09	09:51:05	0.2500	447.791	110.559
2015/05/09	09:51:35	0.2583	447.802	110.606
2015/05/09	09:52:05	0.2667	447.791	110.633
2015/05/09	09:52:35	0.2750	447.772	110.660
2015/05/09	09:53:05	0.2833	447.783	110.689
2015/05/09	09:53:35	0.2917	447.780	110.709
2015/05/09	09:54:05	0.3000	447.778	110.723
2015/05/09	09:54:35	0.3083	447.785	110.745
2015/05/09	09:55:05	0.3167	447.785	110.763
2015/05/09	09:55:35	0.3250	447.780	110.782
2015/05/09	09:56:05	0.3333	447.779	110.793
2015/05/09	09:56:35	0.3417	447.772	110.808
2015/05/09	09:57:05	0.3500	447.779	110.817
2015/05/09	09:57:35	0.3583	447.778	110.827
2015/05/09	09:58:05	0.3667	447.777	110.840
2015/05/09	09:58:35	0.3750	447.777	110.845
2015/05/09	09:59:05	0.3833	447.764	110.853
2015/05/09	09:59:35	0.3917	447.760	110.856
2015/05/09	10:00:05	0.4000	447.760	110.871
2015/05/09	10:00:35	0.4083	447.755	110.871

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2015/05/09	10:01:05	0.4167	447.753	110.880
2015/05/09	10:01:35	0.4250	447.751	110.881
2015/05/09	10:02:05	0.4333	447.743	110.881
2015/05/09	10:02:35	0.4417	447.752	110.890
2015/05/09	10:03:05	0.4500	447.749	110.889
2015/05/09	10:03:35	0.4583	447.744	110.896
2015/05/09	10:04:05	0.4667	447.742	110.899
2015/05/09	10:04:35	0.4750	447.752	110.908
2015/05/09	10:05:05	0.4833	447.751	110.910
2015/05/09	10:05:35	0.4917	447.749	110.908
2015/05/09	10:06:05	0.5000	447.745	110.912
2015/05/09	10:06:35	0.5083	447.742	110.916
2015/05/09	10:07:05	0.5167	447.739	110.917
2015/05/09	10:07:35	0.5250	447.742	110.917
2015/05/09	10:08:05	0.5333	447.739	110.917
2015/05/09	10:08:35	0.5417	447.740	110.925
2015/05/09	10:09:05	0.5500	447.739	110.923
2015/05/09	10:09:35	0.5583	447.731	110.923
2015/05/09	10:10:05	0.5667	447.726	110.932
2015/05/09	10:10:35	0.5750	447.725	110.930
2015/05/09	10:11:05	0.5833	447.734	110.932
2015/05/09	10:11:35	0.5917	447.732	110.934
2015/05/09	10:12:05	0.6000	447.727	110.934
2015/05/09	10:12:35	0.6083	447.723	110.937
2015/05/09	10:13:05	0.6167	447.717	110.937
2015/05/09	10:13:35	0.6250	447.709	110.937
2015/05/09	10:14:05	0.6333	447.701	110.939
2015/05/09	10:14:35	0.6417	447.704	110.939
2015/05/09	10:15:05	0.6500	447.700	110.937
2015/05/09	10:15:35	0.6583	447.703	110.937
2015/05/09	10:16:05	0.6667	447.713	110.935
2015/05/09	10:16:35	0.6750	447.717	110.943
2015/05/09	10:17:05	0.6833	447.713	110.941
2015/05/09	10:17:35	0.6917	447.711	110.941
2015/05/09	10:18:05	0.7000	447.715	110.937
2015/05/09	10:18:35	0.7083	447.718	110.939
2015/05/09	10:19:05	0.7167	447.714	110.943
2015/05/09	10:19:35	0.7250	447.715	110.946
2015/05/09	10:20:05	0.7333	447.703	110.943
2015/05/09	10:20:35	0.7417	447.694	110.941
2015/05/09	10:21:05	0.7500	447.687	110.946
2015/05/09	10:21:35	0.7583	447.688	110.935
2015/05/09	10:22:05	0.7667	447.689	110.943
2015/05/09	10:22:35	0.7750	447.685	110.941
2015/05/09	10:23:05	0.7833	447.690	110.941
2015/05/09	10:23:35	0.7917	447.692	110.944
2015/05/09	10:24:05	0.8000	447.695	110.944
2015/05/09	10:24:35	0.8083	447.696	110.941
2015/05/09	10:25:05	0.8167	447.697	110.943
2015/05/09	10:25:35	0.8250	447.700	110.950

Company Name CONOCOPHILLIPS
Well Name SAN JUAN 32-7 UNIT 211
Type of Test POOH STATIC GRADIENT
Date(s) of Test 5/9/15

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2015/05/09	10:26:05	0.8333	447.700	110.944
2015/05/09	10:26:35	0.8417	447.695	110.944
2015/05/09	10:27:05	0.8500	447.696	110.939
2015/05/09	10:27:35	0.8583	447.690	110.944
2015/05/09	10:28:05	0.8667	447.682	110.948
2015/05/09	10:28:35	0.8750	447.681	110.952
2015/05/09	10:29:05	0.8833	447.679	110.948
2015/05/09	10:29:35	0.8917	447.678	110.946
2015/05/09	10:30:05	0.9000	447.683	110.944
2015/05/09	10:30:35	0.9083	447.683	110.943
2015/05/09	10:31:05	0.9167	447.689	110.950
2015/05/09	10:31:35	0.9250	447.693	110.952
2015/05/09	10:32:05	0.9333	447.693	110.952
2015/05/09	10:32:35	0.9417	447.697	110.950
2015/05/09	10:33:05	0.9500	447.697	110.948
2015/05/09	10:33:35	0.9583	447.701	110.952
2015/05/09	10:34:05	0.9667	447.707	110.953
2015/05/09	10:34:35	0.9750	447.704	110.952
2015/05/09	10:35:05	0.9833	447.695	110.957
2015/05/09	10:35:35	0.9917	447.692	110.955
2015/05/09	10:36:05	1.0000	447.692	110.955
2015/05/09	10:36:35	1.0083	447.689	110.957
2015/05/09	10:37:05	1.0167	447.685	110.953
2015/05/09	10:37:35	1.0250	447.691	110.953
2015/05/09	10:38:05	1.0333	447.685	110.953
2015/05/09	10:38:35	1.0417	447.692	110.957
2015/05/09	10:39:05	1.0500	447.694	110.953
2015/05/09	10:39:35	1.0583	447.694	110.950
2015/05/09	10:40:05	1.0667	447.695	110.955
2015/05/09	10:40:35	1.0750	447.699	110.953
2015/05/09	10:41:05	1.0833	447.689	110.950
2015/05/09	10:41:35	1.0917	447.687	110.959
2015/05/09	10:42:05	1.1000	447.677	110.961
2015/05/09	10:42:35	1.1083	447.665	110.948
2015/05/09	10:43:05	1.1167	447.673	110.957
2015/05/09	10:43:35	1.1250	447.671	110.959
2015/05/09	10:44:05	1.1333	447.667	110.957
POOH Gradient: 3144.000 ft				
2015/05/09	10:44:30	1.1403	447.665	110.955
2015/05/09	10:44:35	1.1417	445.674	110.955
2015/05/09	10:45:05	1.1500	389.148	109.828
2015/05/09	10:45:35	1.1583	383.299	109.002
2015/05/09	10:46:05	1.1667	383.508	108.736
2015/05/09	10:46:35	1.1750	384.013	108.624
2015/05/09	10:47:05	1.1833	383.942	108.567
2015/05/09	10:47:35	1.1917	383.928	108.522
2015/05/09	10:48:05	1.2000	383.931	108.491
2015/05/09	10:48:35	1.2083	383.919	108.460
2015/05/09	10:49:05	1.2167	383.911	108.430
POOH Gradient: 3000.000 ft				

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2015/05/09	10:49:30	1.2236	383.908	108.415
2015/05/09	10:49:35	1.2250	375.836	108.406
2015/05/09	10:50:05	1.2333	189.550	105.710
2015/05/09	10:50:35	1.2417	166.333	100.767
2015/05/09	10:51:05	1.2500	166.610	99.309
2015/05/09	10:51:35	1.2583	166.996	98.778
2015/05/09	10:52:05	1.2667	166.963	98.519
2015/05/09	10:52:35	1.2750	166.944	98.355
2015/05/09	10:53:05	1.2833	166.942	98.220
2015/05/09	10:53:35	1.2917	166.935	98.112
2015/05/09	10:54:05	1.3000	166.940	98.028
POOH Gradient: 2500.000 ft				
2015/05/09	10:54:30	1.3069	166.940	97.968
2015/05/09	10:54:35	1.3083	156.145	97.952
2015/05/09	10:55:05	1.3167	0.000	95.212
2015/05/09	10:55:35	1.3250	0.000	92.485
2015/05/09	10:56:05	1.3333	0.000	91.909
2015/05/09	10:56:35	1.3417	0.000	91.620
2015/05/09	10:57:05	1.3500	0.000	91.405
2015/05/09	10:57:35	1.3583	0.000	91.218
2015/05/09	10:58:05	1.3667	0.000	91.060
2015/05/09	10:58:35	1.3750	0.000	90.914
2015/05/09	10:59:05	1.3833	0.000	90.777
2015/05/09	10:59:35	1.3917	0.000	90.646
POOH Gradient: 2000.000 ft				
2015/05/09	10:59:55	1.3972	0.000	90.471
2015/05/09	11:00:05	1.4000	0.000	90.293
2015/05/09	11:00:35	1.4083	0.000	89.686
2015/05/09	11:01:05	1.4167	0.000	89.294
2015/05/09	11:01:35	1.4250	0.000	88.957
2015/05/09	11:02:05	1.4333	0.000	88.648
2015/05/09	11:02:35	1.4417	0.000	88.353
2015/05/09	11:03:05	1.4500	0.000	88.070
2015/05/09	11:03:35	1.4583	0.000	87.802
2015/05/09	11:04:05	1.4667	0.000	87.546
2015/05/09	11:04:35	1.4750	0.000	87.289
POOH Gradient: 1500.000 ft				
2015/05/09	11:04:40	1.4764	0.000	87.242
2015/05/09	11:05:05	1.4833	0.000	86.704
2015/05/09	11:05:35	1.4917	0.000	85.986
2015/05/09	11:06:05	1.5000	0.000	85.602
2015/05/09	11:06:35	1.5083	0.000	85.253
2015/05/09	11:07:05	1.5167	0.000	84.904
2015/05/09	11:07:35	1.5250	0.000	84.571
2015/05/09	11:08:05	1.5333	0.000	84.238
2015/05/09	11:08:35	1.5417	0.000	83.923
2015/05/09	11:09:05	1.5500	0.000	83.617
POOH Gradient: 1000.000 ft				
2015/05/09	11:09:30	1.5569	0.000	83.359
2015/05/09	11:09:35	1.5583	0.000	83.305

Company Name CONOCOPHILLIPS
Well Name SAN JUAN 32-7 UNIT 211
Type of Test POOH STATIC GRADIENT
Date(s) of Test 5/9/15

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2015/05/09	11:10:05	1.5667	0.000	82.557
2015/05/09	11:10:35	1.5750	0.000	81.910
2015/05/09	11:11:05	1.5833	0.000	81.480
2015/05/09	11:11:35	1.5917	0.000	81.086
2015/05/09	11:12:05	1.6000	0.000	80.710
2015/05/09	11:12:35	1.6083	0.000	80.335
2015/05/09	11:13:05	1.6167	0.000	79.968
2015/05/09	11:13:35	1.6250	0.000	79.621
2015/05/09	11:14:05	1.6333	0.000	79.275
2015/05/09	11:14:35	1.6417	0.000	78.937
POOH Gradient: 500.000 ft				
2015/05/09	11:14:45	1.6444	0.000	78.798
2015/05/09	11:15:05	1.6500	0.000	78.330
2015/05/09	11:15:35	1.6583	0.000	77.677
2015/05/09	11:16:05	1.6667	0.000	77.293
2015/05/09	11:16:35	1.6750	0.000	76.955
2015/05/09	11:17:05	1.6833	0.000	76.629
2015/05/09	11:17:35	1.6917	0.000	76.312
2015/05/09	11:18:05	1.7000	0.000	76.005
2015/05/09	11:18:35	1.7083	0.000	75.702
2015/05/09	11:19:05	1.7167	0.000	75.416
2015/05/09	11:19:35	1.7250	0.000	75.133
2015/05/09	11:20:05	1.7333	0.000	74.871
POOH Gradient: 0.000 ft				
2015/05/09	11:20:20	1.7375	0.000	74.719
2015/05/09	11:20:35	1.7417	0.000	74.242
2015/05/09	11:21:05	1.7500	0.000	73.004
2015/05/09	11:21:35	1.7583	0.000	72.030