

Pressure Test Report

COMPANY INFORMATION

Company Name	CONOCOPHILLIPS
Representative	PRISCILLA SHORTY
Phone	
Fax	
Address	

OIL CONS. DIV DIST. 3

MAY 05 2015

E-Mail Address	
Service Company	PHOENIX SERVICES

WELL INFORMATION

Well Name	SAN JUAN 30-5 UNIT 213
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	
Production Tubing	2 3/8 TO 3022

TEST INFORMATION

Type of Test	POOH STATIC GRADIENT
Date(s) of Test	4/30/15
Dead-weight Gauge Tubing Pressure	240
Dead-weight Gauge Casing Pressure	30
Shut-in Date (Duration)	
Date / Time on Bottom	4/30/15 @ 1307 HRS
Date / Time off Bottom	4/30/15 @ 1407 HRS
Probe Serial Number	9736
Probe Offset from End of Tool String	0-6000
Run Depth at Probe Pressure Port	3208

PRESSURE TEST RESULTS

Maximum Recorded Probe Pressure	248.7 psig
Maximum Recorded Probe Temperature	112.5 deg F
Final Buildup Pressure	
Gradient Survey Information	
Extrapolated Pressure to MPP	
Final Gradient at Depth	
Job Number	34912WP

Company Name	CONOCOPHILLIPS
Well Name	SAN JUAN 30-5 UNIT 213
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 213
Type of Test	POOH STATIC GRADIENT
Date(s) of Test	4/30/15

COMMENTS

Reported By

PHOENIX SERVICES

RAN 1.657 GR TO 3208'-SET DOWN-TD-RAN TANDEM BHP GAUGES TO 3208'-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)
1307	1407	3208.000	248.687	-	112.458	-
1407	1412	3000.000	247.590	0.0053	111.457	0.0048
1412	1417	2500.000	244.721	0.0057	105.874	0.0112
1417	1422	2000.000	241.783	0.0059	98.532	0.0147
1422	1427	1500.000	238.866	0.0058	90.212	0.0166
1427	1432	1000.000	235.933	0.0059	81.565	0.0173
1432	1437	500.000	232.881	0.0061	73.060	0.0170
1437	1442	0.000	230.033	0.0057	67.359	0.0114

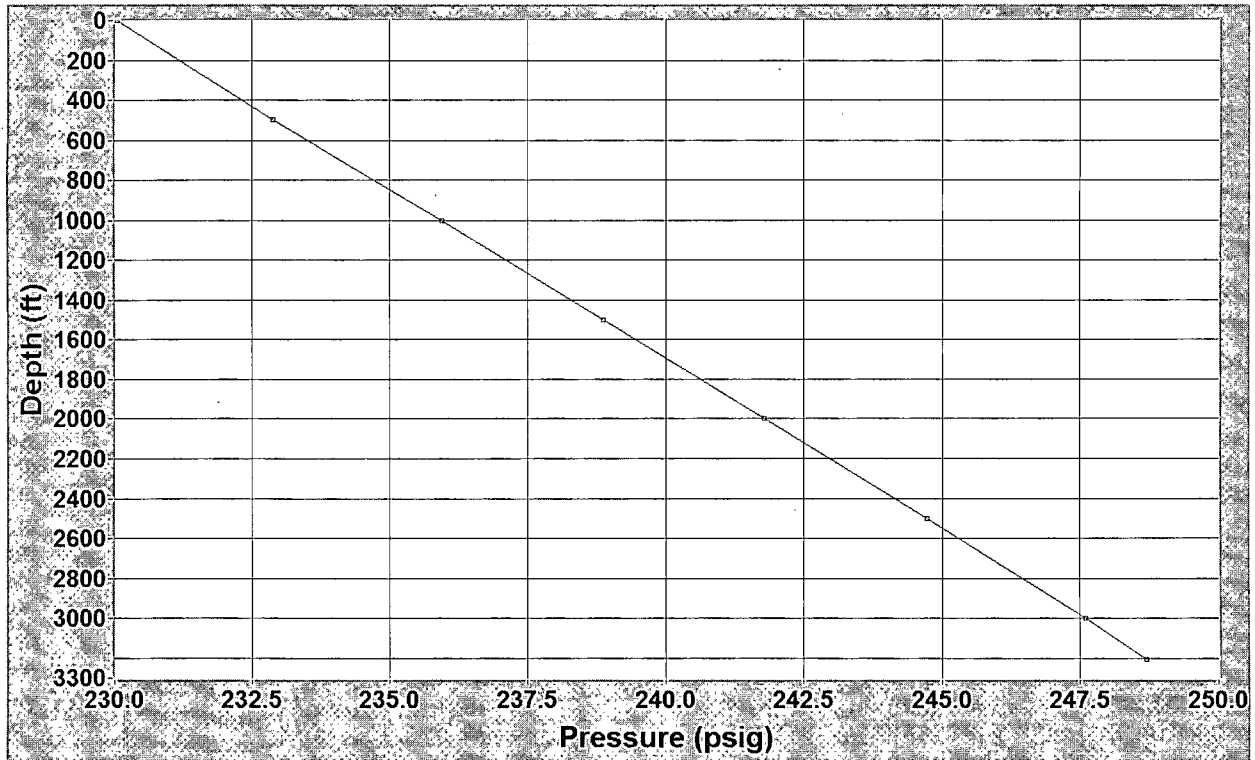
Extrapolated to MPP:

(ft)	(psig)	(deg F)
0.000		

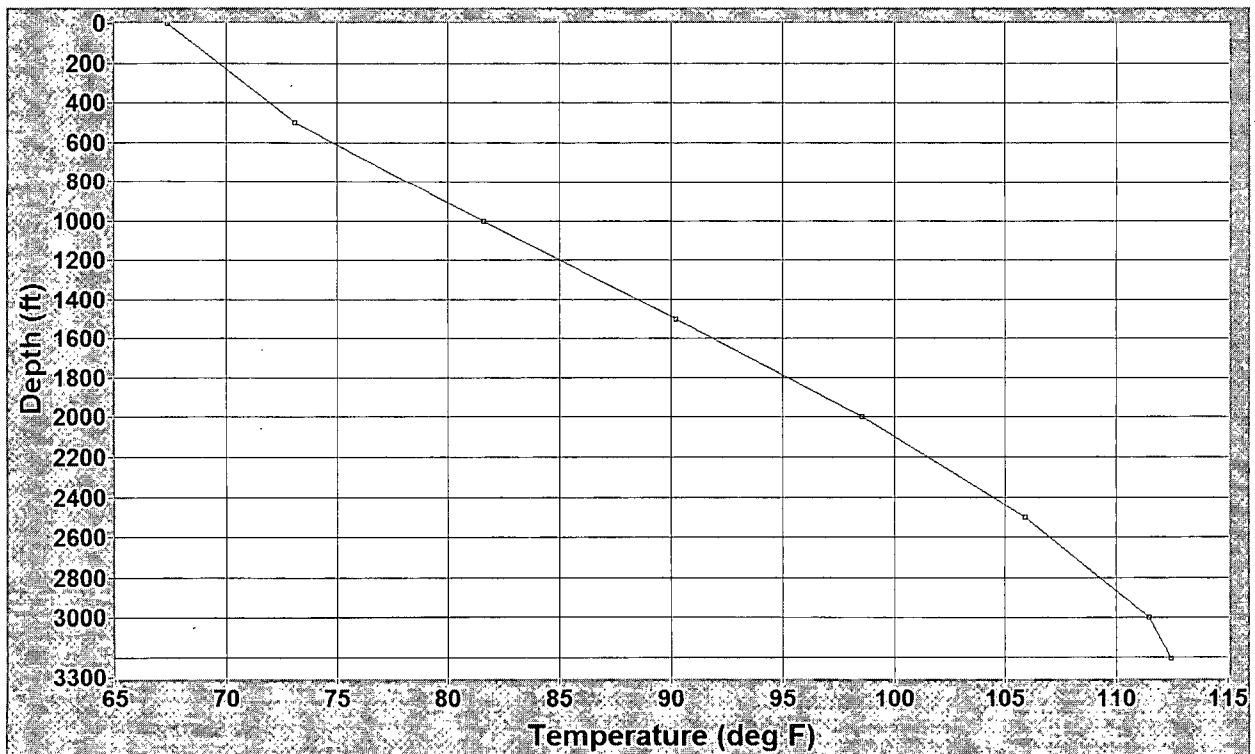
Company Name CONOCOPHILLIPS
Well Name SAN JUAN 30-5 UNIT 213
Type of Test POOH STATIC GRADIENT
Date(s) of Test 4/30/15

Probe Serial Number 9736

POOH Gradient Depth vs. Pressure

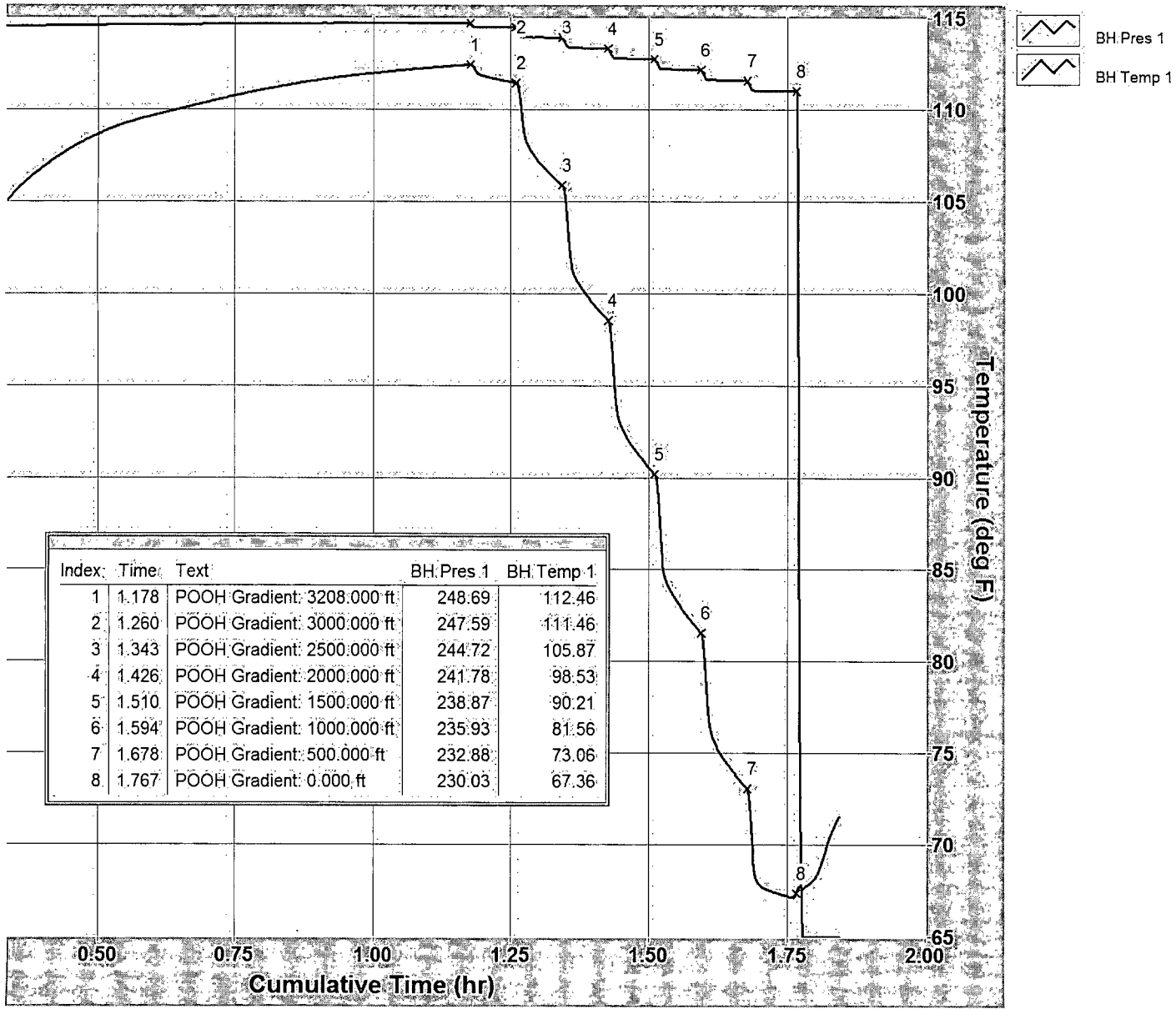


POOH Gradient Depth vs. Temperature



ly Name CONOCOPHILLIPS
 me SAN JUAN 30-5 UNIT 213
 Test POOH STATIC GRADIENT
 of Test 4/30/15

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 4/30/15

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2015/04/30	12:56:05	0.0000	0.000	86.171
2015/04/30	12:56:35	0.0083	0.000	86.193
2015/04/30	12:57:05	0.0167	0.000	86.216
2015/04/30	12:57:35	0.0250	0.000	86.517
2015/04/30	12:58:05	0.0333	0.000	86.841
2015/04/30	12:58:35	0.0417	0.000	86.846
2015/04/30	12:59:05	0.0500	0.000	86.810
2015/04/30	12:59:35	0.0583	228.913	86.808
2015/04/30	13:00:05	0.0667	190.106	86.947
2015/04/30	13:00:35	0.0750	0.000	86.130
2015/04/30	13:01:05	0.0833	0.000	85.739
2015/04/30	13:01:35	0.0917	0.000	85.672
2015/04/30	13:02:05	0.1000	0.000	85.644
2015/04/30	13:02:35	0.1083	0.000	85.620
2015/04/30	13:03:05	0.1167	0.000	85.604
2015/04/30	13:03:35	0.1250	0.000	85.597
2015/04/30	13:04:05	0.1333	164.532	85.582
2015/04/30	13:04:35	0.1417	228.331	85.528
2015/04/30	13:05:05	0.1500	230.699	81.597
2015/04/30	13:05:35	0.1583	235.155	74.575
2015/04/30	13:06:05	0.1667	241.077	74.055
2015/04/30	13:06:35	0.1750	244.825	80.953
2015/04/30	13:07:05	0.1833	246.700	90.905
2015/04/30	13:07:35	0.1917	246.742	95.947
2015/04/30	13:08:05	0.2000	246.933	97.468
2015/04/30	13:08:35	0.2083	247.078	98.335
2015/04/30	13:09:05	0.2167	247.192	99.003
2015/04/30	13:09:35	0.2250	247.285	99.594
2015/04/30	13:10:05	0.2333	247.367	100.150
2015/04/30	13:10:35	0.2417	247.436	100.677
2015/04/30	13:11:05	0.2500	247.497	101.181
2015/04/30	13:11:35	0.2583	247.535	101.655
2015/04/30	13:12:05	0.2667	247.558	102.110
2015/04/30	13:12:35	0.2750	247.570	102.540
2015/04/30	13:13:05	0.2833	247.591	102.947
2015/04/30	13:13:35	0.2917	247.630	103.332
2015/04/30	13:14:05	0.3000	247.666	103.705
2015/04/30	13:14:35	0.3083	247.654	104.056
2015/04/30	13:15:05	0.3167	247.680	104.383
2015/04/30	13:15:35	0.3250	247.707	104.693
2015/04/30	13:16:05	0.3333	247.700	104.986
2015/04/30	13:16:35	0.3417	247.730	105.271
2015/04/30	13:17:05	0.3500	247.757	105.539
2015/04/30	13:17:35	0.3583	247.779	105.791
2015/04/30	13:18:05	0.3667	247.778	106.020
2015/04/30	13:18:35	0.3750	247.799	106.245
2015/04/30	13:19:05	0.3833	247.814	106.450
2015/04/30	13:19:35	0.3917	247.837	106.650
2015/04/30	13:20:05	0.4000	247.865	106.849
2015/04/30	13:20:35	0.4083	247.880	107.033

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2015/04/30	13:21:05	0.4167	247.893	107.206
2015/04/30	13:21:35	0.4250	247.910	107.382
2015/04/30	13:22:05	0.4333	247.912	107.544
2015/04/30	13:22:35	0.4417	247.927	107.708
2015/04/30	13:23:05	0.4500	247.947	107.859
2015/04/30	13:23:35	0.4583	247.967	108.010
2015/04/30	13:24:05	0.4667	247.981	108.149
2015/04/30	13:24:35	0.4750	247.988	108.280
2015/04/30	13:25:05	0.4833	248.008	108.408
2015/04/30	13:25:35	0.4917	248.020	108.531
2015/04/30	13:26:05	0.5000	248.042	108.648
2015/04/30	13:26:35	0.5083	248.072	108.763
2015/04/30	13:27:05	0.5167	248.101	108.865
2015/04/30	13:27:35	0.5250	248.114	108.970
2015/04/30	13:28:05	0.5333	248.125	109.063
2015/04/30	13:28:35	0.5417	248.138	109.148
2015/04/30	13:29:05	0.5500	248.148	109.231
2015/04/30	13:29:35	0.5583	248.153	109.306
2015/04/30	13:30:05	0.5667	248.174	109.384
2015/04/30	13:30:35	0.5750	248.189	109.459
2015/04/30	13:31:05	0.5833	248.200	109.530
2015/04/30	13:31:35	0.5917	248.206	109.589
2015/04/30	13:32:05	0.6000	248.212	109.650
2015/04/30	13:32:35	0.6083	248.231	109.711
2015/04/30	13:33:05	0.6167	248.244	109.776
2015/04/30	13:33:35	0.6250	248.245	109.841
2015/04/30	13:34:05	0.6333	248.257	109.902
2015/04/30	13:34:35	0.6417	248.259	109.958
2015/04/30	13:35:05	0.6500	248.276	110.021
2015/04/30	13:35:35	0.6583	248.286	110.089
2015/04/30	13:36:05	0.6667	248.305	110.149
2015/04/30	13:36:35	0.6750	248.311	110.210
2015/04/30	13:37:05	0.6833	248.312	110.275
2015/04/30	13:37:35	0.6917	248.327	110.334
2015/04/30	13:38:05	0.7000	248.340	110.395
2015/04/30	13:38:35	0.7083	248.342	110.449
2015/04/30	13:39:05	0.7167	248.348	110.512
2015/04/30	13:39:35	0.7250	248.348	110.575
2015/04/30	13:40:05	0.7333	248.371	110.635
2015/04/30	13:40:35	0.7417	248.383	110.691
2015/04/30	13:41:05	0.7500	248.395	110.748
2015/04/30	13:41:35	0.7583	248.399	110.800
2015/04/30	13:42:05	0.7667	248.403	110.862
2015/04/30	13:42:35	0.7750	248.417	110.912
2015/04/30	13:43:05	0.7833	248.425	110.962
2015/04/30	13:43:35	0.7917	248.429	111.013
2015/04/30	13:44:05	0.8000	248.427	111.061
2015/04/30	13:44:35	0.8083	248.437	111.108
2015/04/30	13:45:05	0.8167	248.452	111.157
2015/04/30	13:45:35	0.8250	248.446	111.204

Company Name CONOCOPHILLIPS
Well Name SAN JUAN 30-5 UNIT 213
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	13:46:05	0.8333	248.459	111.249
2015/04/30	13:46:35	0.8417	248.470	111.299
2015/04/30	13:47:05	0.8500	248.482	111.331
2015/04/30	13:47:35	0.8583	248.489	111.376
2015/04/30	13:48:05	0.8667	248.510	111.425
2015/04/30	13:48:35	0.8750	248.510	111.466
2015/04/30	13:49:05	0.8833	248.519	111.510
2015/04/30	13:49:35	0.8917	248.522	111.547
2015/04/30	13:50:05	0.9000	248.532	111.587
2015/04/30	13:50:35	0.9083	248.547	111.625
2015/04/30	13:51:05	0.9167	248.550	111.663
2015/04/30	13:51:35	0.9250	248.545	111.691
2015/04/30	13:52:05	0.9333	248.554	111.733
2015/04/30	13:52:35	0.9417	248.557	111.771
2015/04/30	13:53:05	0.9500	248.562	111.801
2015/04/30	13:53:35	0.9583	248.569	111.830
2015/04/30	13:54:05	0.9667	248.575	111.862
2015/04/30	13:54:35	0.9750	248.573	111.893
2015/04/30	13:55:05	0.9833	248.584	111.924
2015/04/30	13:55:35	0.9917	248.594	111.947
2015/04/30	13:56:05	1.0000	248.613	111.983
2015/04/30	13:56:35	1.0083	248.621	112.012
2015/04/30	13:57:05	1.0167	248.618	112.037
2015/04/30	13:57:35	1.0250	248.622	112.064
2015/04/30	13:58:05	1.0333	248.626	112.091
2015/04/30	13:58:35	1.0417	248.633	112.114
2015/04/30	13:59:05	1.0500	248.644	112.140
2015/04/30	13:59:35	1.0583	248.654	112.159
2015/04/30	14:00:05	1.0667	248.664	112.186
2015/04/30	14:00:35	1.0750	248.664	112.206
2015/04/30	14:01:05	1.0833	248.671	112.231
2015/04/30	14:01:35	1.0917	248.674	112.251
2015/04/30	14:02:05	1.1000	248.694	112.275
2015/04/30	14:02:35	1.1083	248.694	112.293
2015/04/30	14:03:05	1.1167	248.697	112.312
2015/04/30	14:03:35	1.1250	248.704	112.338
2015/04/30	14:04:05	1.1333	248.697	112.354
2015/04/30	14:04:35	1.1417	248.707	112.377
2015/04/30	14:05:05	1.1500	248.723	112.397
2015/04/30	14:05:35	1.1583	248.735	112.410
2015/04/30	14:06:05	1.1667	248.728	112.426
2015/04/30	14:06:35	1.1750	248.733	112.456
POOH Gradient: 3208.000 ft				
2015/04/30	14:06:45	1.1778	248.687	112.458
2015/04/30	14:07:05	1.1833	247.646	112.348
2015/04/30	14:07:35	1.1917	247.578	111.952
2015/04/30	14:08:05	1.2000	247.569	111.853
2015/04/30	14:08:35	1.2083	247.561	111.778
2015/04/30	14:09:05	1.2167	247.559	111.726
2015/04/30	14:09:35	1.2250	247.558	111.670

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2015/04/30	14:10:05	1.2333	247.556	111.616
2015/04/30	14:10:35	1.2417	247.565	111.567
2015/04/30	14:11:05	1.2500	247.573	111.515
2015/04/30	14:11:35	1.2583	247.588	111.465
POOH Gradient: 3000.000 ft				
2015/04/30	14:11:40	1.2597	247.590	111.457
2015/04/30	14:12:05	1.2667	245.614	110.811
2015/04/30	14:12:35	1.2750	244.750	108.595
2015/04/30	14:13:05	1.2833	244.775	107.888
2015/04/30	14:13:35	1.2917	244.746	107.510
2015/04/30	14:14:05	1.3000	244.799	107.193
2015/04/30	14:14:35	1.3083	244.758	106.912
2015/04/30	14:15:05	1.3167	244.730	106.637
2015/04/30	14:15:35	1.3250	244.715	106.385
2015/04/30	14:16:05	1.3333	244.697	106.149
2015/04/30	14:16:35	1.3417	244.688	105.913
POOH Gradient: 2500.000 ft				
2015/04/30	14:16:40	1.3431	244.721	105.874
2015/04/30	14:17:05	1.3500	242.838	104.740
2015/04/30	14:17:35	1.3583	241.951	101.766
2015/04/30	14:18:05	1.3667	241.917	100.884
2015/04/30	14:18:35	1.3750	241.869	100.431
2015/04/30	14:19:05	1.3833	241.831	100.071
2015/04/30	14:19:35	1.3917	241.820	99.738
2015/04/30	14:20:05	1.4000	241.826	99.437
2015/04/30	14:20:35	1.4083	241.794	99.136
2015/04/30	14:21:05	1.4167	241.779	98.848
2015/04/30	14:21:35	1.4250	241.787	98.580
POOH Gradient: 2000.000 ft				
2015/04/30	14:21:40	1.4264	241.783	98.532
2015/04/30	14:22:05	1.4333	239.887	97.151
2015/04/30	14:22:35	1.4417	239.013	93.713
2015/04/30	14:23:05	1.4500	239.013	92.746
2015/04/30	14:23:35	1.4583	238.959	92.266
2015/04/30	14:24:05	1.4667	238.917	91.872
2015/04/30	14:24:35	1.4750	238.883	91.519
2015/04/30	14:25:05	1.4833	238.877	91.179
2015/04/30	14:25:35	1.4917	238.887	90.864
2015/04/30	14:26:05	1.5000	238.891	90.554
2015/04/30	14:26:35	1.5083	238.869	90.259
POOH Gradient: 1500.000 ft				
2015/04/30	14:26:40	1.5097	238.866	90.212
2015/04/30	14:27:05	1.5167	237.101	88.898
2015/04/30	14:27:35	1.5250	236.065	85.258
2015/04/30	14:28:05	1.5333	236.081	84.225
2015/04/30	14:28:35	1.5417	236.027	83.716
2015/04/30	14:29:05	1.5500	235.989	83.302
2015/04/30	14:29:35	1.5583	235.965	82.944
2015/04/30	14:30:05	1.5667	235.977	82.603
2015/04/30	14:30:35	1.5750	235.946	82.272

Company Name CONOCOPHILLIPS
Well Name SAN JUAN 30-5 UNIT 213
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	14:31:05	1.5833	235.944	81.968
2015/04/30	14:31:35	1.5917	235.929	81.660
POOH Gradient: 1000.000 ft				
2015/04/30	14:31:45	1.5944	235.933	81.565
2015/04/30	14:32:05	1.6000	234.269	80.505
2015/04/30	14:32:35	1.6083	233.146	76.836
2015/04/30	14:33:05	1.6167	233.166	75.717
2015/04/30	14:33:35	1.6250	233.107	75.204
2015/04/30	14:34:05	1.6333	233.070	74.791
2015/04/30	14:34:35	1.6417	233.042	74.433
2015/04/30	14:35:05	1.6500	233.012	74.084
2015/04/30	14:35:35	1.6583	233.007	73.765
2015/04/30	14:36:05	1.6667	233.025	73.454
2015/04/30	14:36:35	1.6750	233.039	73.159
POOH Gradient: 500.000 ft				
2015/04/30	14:36:45	1.6778	232.881	73.060
2015/04/30	14:37:05	1.6833	230.933	71.616
2015/04/30	14:37:35	1.6917	230.199	68.461
2015/04/30	14:38:05	1.7000	230.174	67.845
2015/04/30	14:38:35	1.7083	230.126	67.651
2015/04/30	14:39:05	1.7167	230.089	67.532
2015/04/30	14:39:35	1.7250	230.064	67.444
2015/04/30	14:40:05	1.7333	230.061	67.361
2015/04/30	14:40:35	1.7417	230.054	67.293
2015/04/30	14:41:05	1.7500	230.037	67.215
2015/04/30	14:41:35	1.7583	230.039	67.149
POOH Gradient: 0.000 ft				
2015/04/30	14:42:05	1.7667	230.033	67.359
2015/04/30	14:42:35	1.7750	19.213	67.689
2015/04/30	14:43:05	1.7833	0.000	67.714
2015/04/30	14:43:35	1.7917	0.000	67.867
2015/04/30	14:44:05	1.8000	0.000	68.133
2015/04/30	14:44:35	1.8083	0.000	68.664
2015/04/30	14:45:05	1.8167	0.000	69.427
2015/04/30	14:45:35	1.8250	0.000	70.187
2015/04/30	14:46:05	1.8333	0.000	70.849
2015/04/30	14:46:35	1.8417	0.000	71.438