

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 203 - *API# 30-045-27458*
Well Location T32N, R7W, SEC. 22
Field and Pool FRUITLAND COAL
Status (Oil, Gas, Water, Injection) OBSERVATION
Perforated Intervals 3205-3240
Mid-point of Perforated Intervals (MPP)
Drilling Rig Number
Elevations
 Kelly Bushing (KB) 13
 Casing Flange (CF)
 KB-CF
 Ground Level 6624
Plug Back Total Depth 3305
Total Depth 3349
Production Casing 7 TO 3349
Production Tubing 2 7/8 TO 3288

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 12
Dead-weight Gauge Casing Pressure 0
Shut-in Date (Duration)
Date / Time on Bottom 5/20/14 @ 1223 HRS
Date / Time off Bottom 5/20/14 @ 1323 HRS

Probe Serial Number 9736
Probe Offset from End of Tool String 0-6000
Run Depth at Probe Pressure Port 3223

PRESSURE TEST RESULTS

Maximum Recorded Probe Pressure 104.9 psig
Maximum Recorded Probe Temperature 117.5 deg F
Final Buildup Pressure
Gradient Survey Information
 Extrapolated Pressure to MPP
 Final Gradient at Depth
Job Number 31924WP

Company Name CONOCOPHILLIPS
Well Name SAN JUAN 32-7 UNIT 203
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 203
Type of Test	POOH STATIC GRADIENT
Date(s) of Test	MAY 20, 2014

COMMENTS

Reported By

PHOENIX SERVICES

RAN 1.657 GR TO 3302'-SET DOWN-RAN TANDEM BHP GAUGES TO 3223'-SET 1 HR-POOH
MAKING GRADIENT STOPS.

Company Name	CONOCOPHILLIPS
Well Name	SAN JUAN 32-7 UNIT 203
Type of Test	POOH STATIC GRADIENT
Date(s) of Test	MAY 20, 2014

Pressure vs. Depth

Probe Serial Number 9736

		(ft)	(psig)	(psi/ft)	(deg F)	(deg F/ft)
1223	1323	3223.000	104.846	-	117.446	-
1324	1329	3000.000	10.913	0.4212	112.453	0.0224
1331	1336	2500.000	10.642	0.0005	108.118	0.0087
1337	1342	2000.000	10.316	0.0007	103.384	0.0095
1344	1349	1500.000	10.020	0.0006	97.801	0.0112
1350	1355	1000.000	9.713	0.0006	92.376	0.0109
1356	1401	500.000	9.443	0.0005	85.174	0.0144
1403	1408	0.000	9.150	0.0006	81.664	0.0070

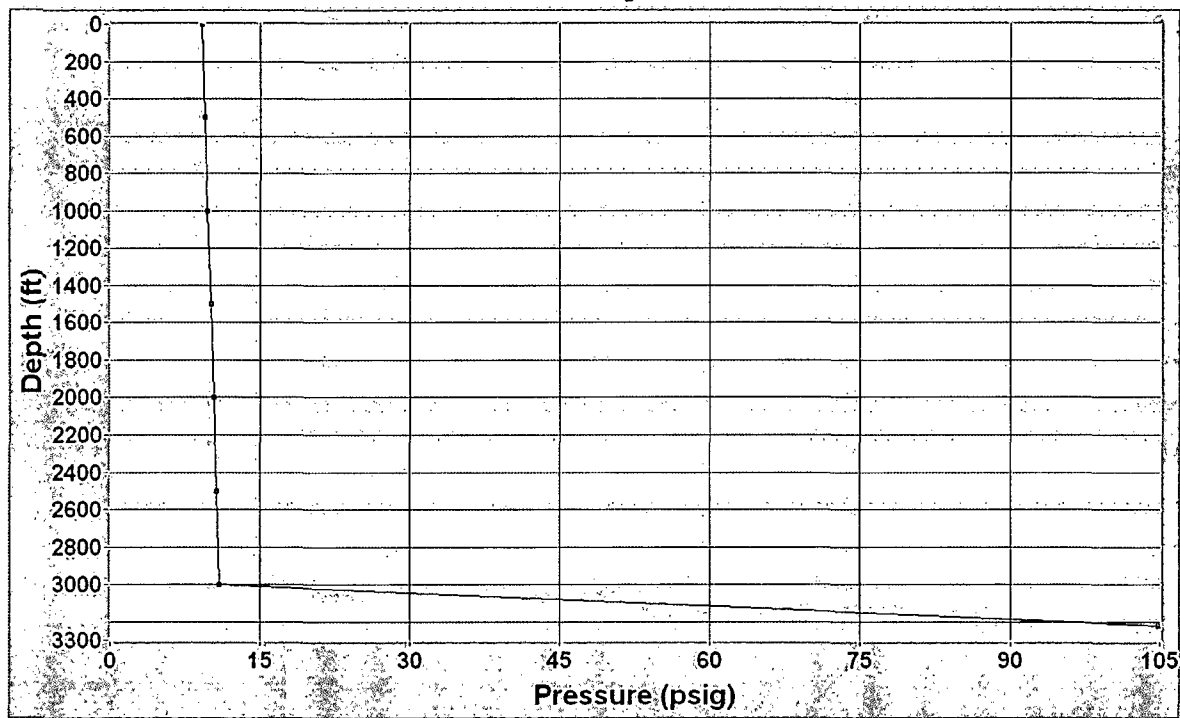
Extrapolated to MPP:

(ft)	(psig)	(deg F)
0.000		

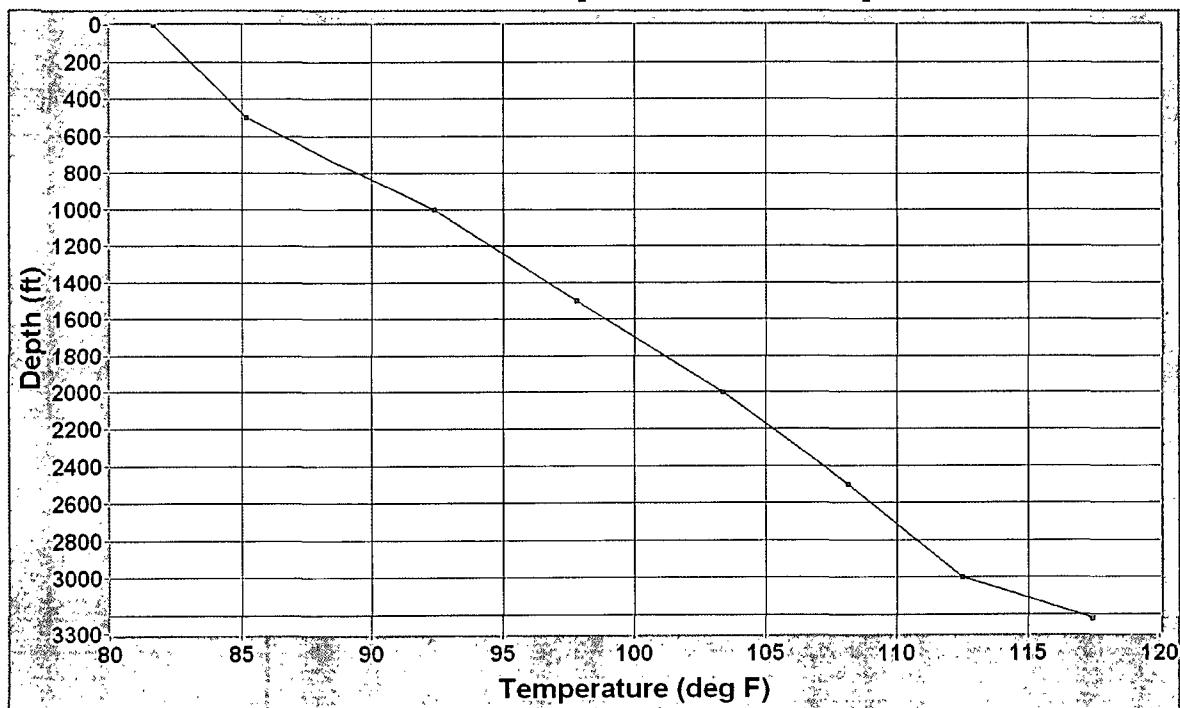
Company Name CONOCOPHILLIPS
Well Name SAN JUAN 32-7 UNIT 203
Type of Test POOH STATIC GRADIENT
Date(s) of Test MAY 20, 2014

Probe Serial Number 9736

POOH Gradient Depth vs. Pressure

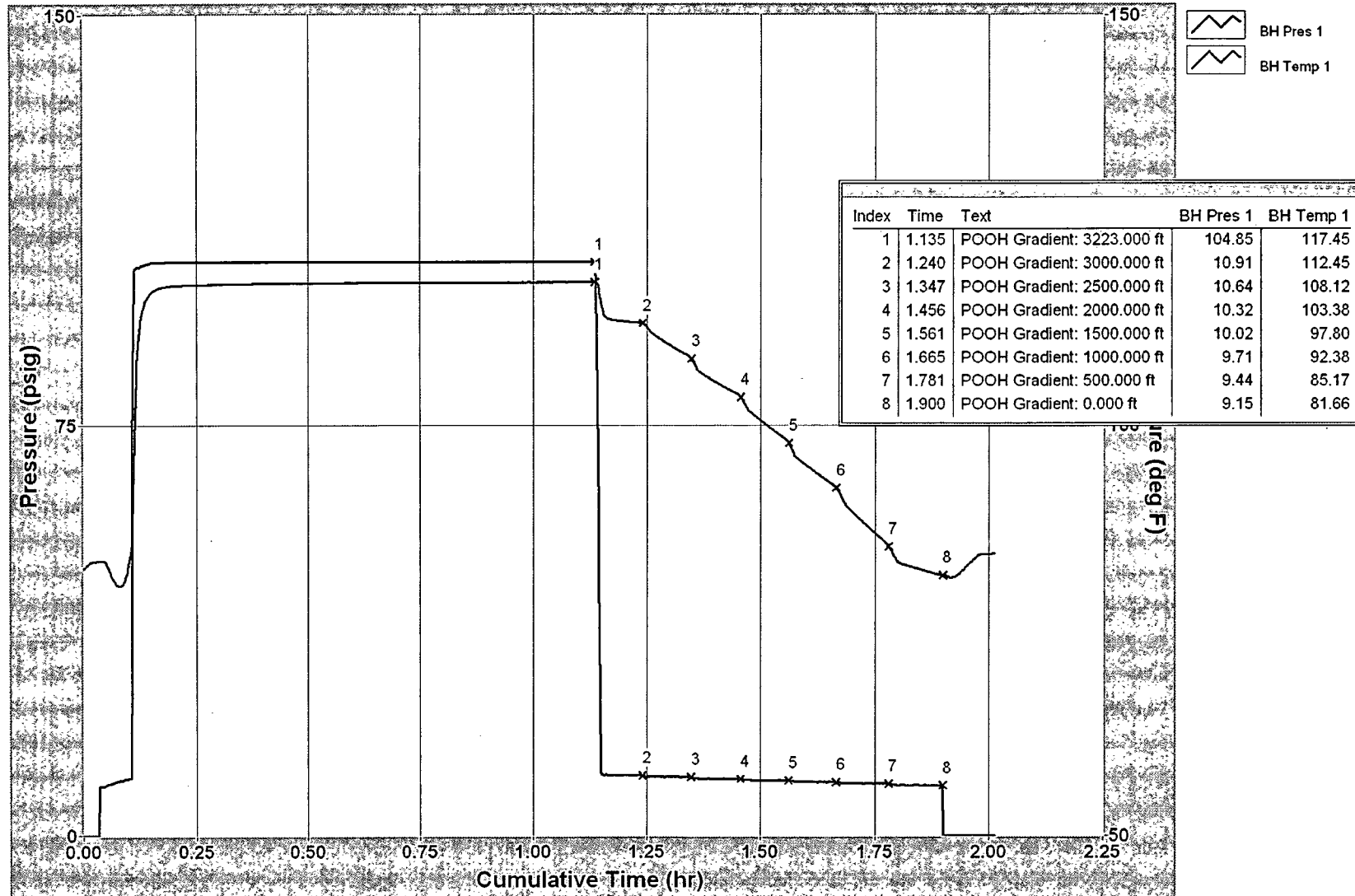


POOH Gradient Depth vs. Temperature



Company Name CONOCOPHILLIPS
 Well Name SAN JUAN 32-7 UNIT 203
 Type of Test POOH STATIC GRADIENT
 Date(s) of Test MAY 20, 2014

San Juan 32-7 Unit #203



Company Name CONOCOPHILLIPS
Well Name SAN JUAN 32-7 UNIT 203
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	12:15:05	0.0000	0.000	82.425
2014/05/20	12:15:35	0.0083	0.000	82.848
2014/05/20	12:16:05	0.0167	0.000	83.232
2014/05/20	12:16:35	0.0250	0.000	83.329
2014/05/20	12:17:05	0.0333	0.000	83.374
2014/05/20	12:17:35	0.0417	8.936	83.390
2014/05/20	12:18:05	0.0500	9.092	83.217
2014/05/20	12:18:35	0.0583	9.402	82.107
2014/05/20	12:19:05	0.0667	9.590	81.106
2014/05/20	12:19:35	0.0750	9.857	80.492
2014/05/20	12:20:05	0.0833	10.050	80.391
2014/05/20	12:20:35	0.0917	10.174	81.050
2014/05/20	12:21:05	0.1000	10.342	82.886
2014/05/20	12:21:35	0.1083	66.369	87.454
2014/05/20	12:22:05	0.1167	103.907	105.580
2014/05/20	12:22:35	0.1250	103.980	112.132
2014/05/20	12:23:05	0.1333	104.304	114.471
2014/05/20	12:23:35	0.1417	104.453	115.561
2014/05/20	12:24:05	0.1500	104.645	116.139
2014/05/20	12:24:35	0.1583	104.662	116.496
2014/05/20	12:25:05	0.1667	104.695	116.699
2014/05/20	12:25:35	0.1750	104.753	116.829
2014/05/20	12:26:05	0.1833	104.775	116.901
2014/05/20	12:26:35	0.1917	104.797	116.967
2014/05/20	12:27:05	0.2000	104.809	117.012
2014/05/20	12:27:35	0.2083	104.819	117.043
2014/05/20	12:28:05	0.2167	104.838	117.057
2014/05/20	12:28:35	0.2250	104.838	117.081
2014/05/20	12:29:05	0.2333	104.834	117.093
2014/05/20	12:29:35	0.2417	104.844	117.104
2014/05/20	12:30:05	0.2500	104.851	117.122
2014/05/20	12:30:35	0.2583	104.854	117.133
2014/05/20	12:31:05	0.2667	104.853	117.151
2014/05/20	12:31:35	0.2750	104.853	117.158
2014/05/20	12:32:05	0.2833	104.850	117.156
2014/05/20	12:32:35	0.2917	104.863	117.174
2014/05/20	12:33:05	0.3000	104.859	117.185
2014/05/20	12:33:35	0.3083	104.850	117.183
2014/05/20	12:34:05	0.3167	104.853	117.198
2014/05/20	12:34:35	0.3250	104.856	117.205
2014/05/20	12:35:05	0.3333	104.859	117.208
2014/05/20	12:35:35	0.3417	104.852	117.219
2014/05/20	12:36:05	0.3500	104.852	117.228
2014/05/20	12:36:35	0.3583	104.862	117.235
2014/05/20	12:37:05	0.3667	104.865	117.243
2014/05/20	12:37:35	0.3750	104.865	117.252
2014/05/20	12:38:05	0.3833	104.862	117.253
2014/05/20	12:38:35	0.3917	104.852	117.259
2014/05/20	12:39:05	0.4000	104.855	117.261
2014/05/20	12:39:35	0.4083	104.851	117.277

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2014/05/20	12:40:05	0.4167	104.848	117.268
2014/05/20	12:40:35	0.4250	104.841	117.279
2014/05/20	12:41:05	0.4333	104.842	117.279
2014/05/20	12:41:35	0.4417	104.835	117.279
2014/05/20	12:42:05	0.4500	104.838	117.282
2014/05/20	12:42:35	0.4583	104.841	117.289
2014/05/20	12:43:05	0.4667	104.871	117.288
2014/05/20	12:43:35	0.4750	104.861	117.297
2014/05/20	12:44:05	0.4833	104.858	117.306
2014/05/20	12:44:35	0.4917	104.854	117.298
2014/05/20	12:45:05	0.5000	104.851	117.304
2014/05/20	12:45:35	0.5083	104.854	117.307
2014/05/20	12:46:05	0.5167	104.851	117.318
2014/05/20	12:46:35	0.5250	104.854	117.316
2014/05/20	12:47:05	0.5333	104.851	117.318
2014/05/20	12:47:35	0.5417	104.857	117.331
2014/05/20	12:48:05	0.5500	104.857	117.327
2014/05/20	12:48:35	0.5583	104.851	117.329
2014/05/20	12:49:05	0.5667	104.851	117.329
2014/05/20	12:49:35	0.5750	104.851	117.331
2014/05/20	12:50:05	0.5833	104.851	117.333
2014/05/20	12:50:35	0.5917	104.847	117.340
2014/05/20	12:51:05	0.6000	104.847	117.331
2014/05/20	12:51:35	0.6083	104.847	117.338
2014/05/20	12:52:05	0.6167	104.850	117.349
2014/05/20	12:52:35	0.6250	104.850	117.343
2014/05/20	12:53:05	0.6333	104.847	117.342
2014/05/20	12:53:35	0.6417	104.847	117.351
2014/05/20	12:54:05	0.6500	104.834	117.352
2014/05/20	12:54:35	0.6583	104.837	117.343
2014/05/20	12:55:05	0.6667	104.844	117.358
2014/05/20	12:55:35	0.6750	104.837	117.354
2014/05/20	12:56:05	0.6833	104.844	117.358
2014/05/20	12:56:35	0.6917	104.840	117.365
2014/05/20	12:57:05	0.7000	104.847	117.369
2014/05/20	12:57:35	0.7083	104.837	117.365
2014/05/20	12:58:05	0.7167	104.840	117.370
2014/05/20	12:58:35	0.7250	104.850	117.374
2014/05/20	12:59:05	0.7333	104.853	117.379
2014/05/20	12:59:35	0.7417	104.853	117.381
2014/05/20	13:00:05	0.7500	104.863	117.381
2014/05/20	13:00:35	0.7583	104.856	117.394
2014/05/20	13:01:05	0.7667	104.853	117.396
2014/05/20	13:01:35	0.7750	104.856	117.394
2014/05/20	13:02:05	0.7833	104.850	117.390
2014/05/20	13:02:35	0.7917	104.850	117.387
2014/05/20	13:03:05	0.8000	104.860	117.392
2014/05/20	13:03:35	0.8083	104.853	117.392
2014/05/20	13:04:05	0.8167	104.856	117.397
2014/05/20	13:04:35	0.8250	104.856	117.394

Company Name CONOCOPHILLIPS
Well Name SAN JUAN 32-7 UNIT 203
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	13:05:05	0.8333	104.846	117.399
2014/05/20	13:05:35	0.8417	104.850	117.399
2014/05/20	13:06:05	0.8500	104.850	117.396
2014/05/20	13:06:35	0.8583	104.843	117.399
2014/05/20	13:07:05	0.8667	104.843	117.405
2014/05/20	13:07:35	0.8750	104.836	117.410
2014/05/20	13:08:05	0.8833	104.849	117.414
2014/05/20	13:08:35	0.8917	104.840	117.412
2014/05/20	13:09:05	0.9000	104.840	117.406
2014/05/20	13:09:35	0.9083	104.843	117.415
2014/05/20	13:10:05	0.9167	104.839	117.414
2014/05/20	13:10:35	0.9250	104.846	117.415
2014/05/20	13:11:05	0.9333	104.843	117.419
2014/05/20	13:11:35	0.9417	104.836	117.419
2014/05/20	13:12:05	0.9500	104.839	117.426
2014/05/20	13:12:35	0.9583	104.839	117.421
2014/05/20	13:13:05	0.9667	104.849	117.419
2014/05/20	13:13:35	0.9750	104.849	117.421
2014/05/20	13:14:05	0.9833	104.852	117.424
2014/05/20	13:14:35	0.9917	104.856	117.426
2014/05/20	13:15:05	1.0000	104.856	117.426
2014/05/20	13:15:35	1.0083	104.843	117.423
2014/05/20	13:16:05	1.0167	104.846	117.424
2014/05/20	13:16:35	1.0250	104.843	117.426
2014/05/20	13:17:05	1.0333	104.843	117.428
2014/05/20	13:17:35	1.0417	104.846	117.424
2014/05/20	13:18:05	1.0500	104.839	117.439
2014/05/20	13:18:35	1.0583	104.836	117.430
2014/05/20	13:19:05	1.0667	104.843	117.428
2014/05/20	13:19:35	1.0750	104.839	117.424
2014/05/20	13:20:05	1.0833	104.842	117.435
2014/05/20	13:20:35	1.0917	104.839	117.435
2014/05/20	13:21:05	1.1000	104.832	117.448
2014/05/20	13:21:35	1.1083	104.836	117.450
2014/05/20	13:22:05	1.1167	104.849	117.448
2014/05/20	13:22:35	1.1250	104.842	117.444
2014/05/20	13:23:05	1.1333	104.849	117.442
POOH Gradient: 3223.000 ft				
2014/05/20	13:23:10	1.1347	104.846	117.446
2014/05/20	13:23:35	1.1417	69.152	116.996
2014/05/20	13:24:05	1.1500	11.102	114.458
2014/05/20	13:24:35	1.1583	11.057	113.227
2014/05/20	13:25:05	1.1667	11.016	112.964
2014/05/20	13:25:35	1.1750	11.011	112.851
2014/05/20	13:26:05	1.1833	11.008	112.780
2014/05/20	13:26:35	1.1917	10.943	112.721
2014/05/20	13:27:05	1.2000	10.940	112.672
2014/05/20	13:27:35	1.2083	10.936	112.627
2014/05/20	13:28:05	1.2167	10.945	112.586
2014/05/20	13:28:35	1.2250	10.953	112.550

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2014/05/20	13:29:05	1.2333	10.959	112.500
POOH Gradient: 3000.000 ft				
2014/05/20	13:29:30	1.2403	10.913	112.453
2014/05/20	13:29:35	1.2417	10.880	112.429
2014/05/20	13:30:05	1.2500	10.738	111.967
2014/05/20	13:30:35	1.2583	10.733	111.369
2014/05/20	13:31:05	1.2667	10.711	111.000
2014/05/20	13:31:35	1.2750	10.715	110.674
2014/05/20	13:32:05	1.2833	10.687	110.372
2014/05/20	13:32:35	1.2917	10.660	110.088
2014/05/20	13:33:05	1.3000	10.681	109.794
2014/05/20	13:33:35	1.3083	10.682	109.517
2014/05/20	13:34:05	1.3167	10.696	109.227
2014/05/20	13:34:35	1.3250	10.654	108.959
2014/05/20	13:35:05	1.3333	10.671	108.718
2014/05/20	13:35:35	1.3417	10.665	108.444
POOH Gradient: 2500.000 ft				
2014/05/20	13:35:55	1.3472	10.642	108.118
2014/05/20	13:36:05	1.3500	10.569	107.890
2014/05/20	13:36:35	1.3583	10.433	106.965
2014/05/20	13:37:05	1.3667	10.350	106.461
2014/05/20	13:37:35	1.3750	10.354	106.126
2014/05/20	13:38:05	1.3833	10.384	105.818
2014/05/20	13:38:35	1.3917	10.364	105.523
2014/05/20	13:39:05	1.4000	10.347	105.246
2014/05/20	13:39:35	1.4083	10.367	104.968
2014/05/20	13:40:05	1.4167	10.385	104.706
2014/05/20	13:40:35	1.4250	10.346	104.452
2014/05/20	13:41:05	1.4333	10.351	104.203
2014/05/20	13:41:35	1.4417	10.317	103.964
2014/05/20	13:42:05	1.4500	10.339	103.717
POOH Gradient: 2000.000 ft				
2014/05/20	13:42:25	1.4556	10.316	103.384
2014/05/20	13:42:35	1.4583	10.284	103.150
2014/05/20	13:43:05	1.4667	10.183	102.319
2014/05/20	13:43:35	1.4750	10.149	101.678
2014/05/20	13:44:05	1.4833	10.088	101.296
2014/05/20	13:44:35	1.4917	10.111	100.917
2014/05/20	13:45:05	1.5000	10.064	100.544
2014/05/20	13:45:35	1.5083	10.035	100.170
2014/05/20	13:46:05	1.5167	10.049	99.810
2014/05/20	13:46:35	1.5250	10.063	99.455
2014/05/20	13:47:05	1.5333	10.020	99.109
2014/05/20	13:47:35	1.5417	10.054	98.769
2014/05/20	13:48:05	1.5500	10.070	98.440
2014/05/20	13:48:35	1.5583	10.002	98.055
POOH Gradient: 1500.000 ft				
2014/05/20	13:48:45	1.5611	10.020	97.801
2014/05/20	13:49:05	1.5667	9.935	97.165
2014/05/20	13:49:35	1.5750	9.813	96.197

Company Name CONOCOPHILLIPS
Well Name SAN JUAN 32-7 UNIT 203
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	13:50:05	1.5833	9.824	95.783
2014/05/20	13:50:35	1.5917	9.809	95.434
2014/05/20	13:51:05	1.6000	9.782	95.085
2014/05/20	13:51:35	1.6083	9.752	94.730
2014/05/20	13:52:05	1.6167	9.770	94.386
2014/05/20	13:52:35	1.6250	9.711	94.033
2014/05/20	13:53:05	1.6333	9.747	93.695
2014/05/20	13:53:35	1.6417	9.728	93.360
2014/05/20	13:54:05	1.6500	9.727	93.036
2014/05/20	13:54:35	1.6583	9.758	92.709
POOH Gradient: 1000.000 ft				
2014/05/20	13:55:00	1.6653	9.713	92.376
2014/05/20	13:55:05	1.6667	9.695	92.269
2014/05/20	13:55:35	1.6750	9.582	91.431
2014/05/20	13:56:05	1.6833	9.584	90.441
2014/05/20	13:56:35	1.6917	9.490	89.879
2014/05/20	13:57:05	1.7000	9.464	89.418
2014/05/20	13:57:35	1.7083	9.467	88.959
2014/05/20	13:58:05	1.7167	9.467	88.520
2014/05/20	13:58:35	1.7250	9.441	88.081
2014/05/20	13:59:05	1.7333	9.474	87.654
2014/05/20	13:59:35	1.7417	9.459	87.233
2014/05/20	14:00:05	1.7500	9.452	86.823
2014/05/20	14:00:35	1.7583	9.492	86.416
2014/05/20	14:01:05	1.7667	9.477	86.016
2014/05/20	14:01:35	1.7750	9.485	85.595
POOH Gradient: 500.000 ft				
2014/05/20	14:01:55	1.7806	9.443	85.174
2014/05/20	14:02:05	1.7833	9.387	84.929
2014/05/20	14:02:35	1.7917	9.264	84.090
2014/05/20	14:03:05	1.8000	9.141	83.361
2014/05/20	14:03:35	1.8083	9.185	83.073
2014/05/20	14:04:05	1.8167	9.177	82.927
2014/05/20	14:04:35	1.8250	9.166	82.789
2014/05/20	14:05:05	1.8333	9.177	82.659
2014/05/20	14:05:35	1.8417	9.184	82.526
2014/05/20	14:06:05	1.8500	9.178	82.387
2014/05/20	14:06:35	1.8583	9.181	82.258
2014/05/20	14:07:05	1.8667	9.161	82.108
2014/05/20	14:07:35	1.8750	9.164	81.981
2014/05/20	14:08:05	1.8833	9.129	81.849
2014/05/20	14:08:35	1.8917	9.150	81.720
POOH Gradient: 0.000 ft				
2014/05/20	14:09:05	1.9000	9.150	81.664
2014/05/20	14:09:35	1.9083	0.000	81.586
2014/05/20	14:10:05	1.9167	0.000	81.378
2014/05/20	14:10:35	1.9250	0.000	81.473
2014/05/20	14:11:05	1.9333	0.000	81.711
2014/05/20	14:11:35	1.9417	0.000	82.141
2014/05/20	14:12:05	1.9500	0.000	82.625

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2014/05/20	14:12:35	1.9583	0.000	83.079
2014/05/20	14:13:05	1.9667	0.000	83.489
2014/05/20	14:13:35	1.9750	0.000	83.943
2014/05/20	14:14:05	1.9833	0.000	84.187
2014/05/20	14:14:35	1.9917	0.000	84.195
2014/05/20	14:15:05	2.0000	0.000	84.211
2014/05/20	14:15:35	2.0083	0.000	84.272