

OIL CONS. DIV DIST. 3

MAY 14 2015

Pressure Test Report

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 31-6 UNIT 220
T31N, R6W, SEC. 33
FRUITLAND COAL
OBSERVATION
2148-3280

5 1/2 TO 3282
2 3/8 TO 3198

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
5/7/15
120
0
5/7/15 @ 1134 HRS
5/7/15 @ 1234 HRS

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

W1151
0-6000
3214

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

158.5 psig
110.5 deg F

34967WP

Company Name	CONOCOPHILLIPS
Well Name	SAN JUAN 31-6 UNIT 220
Type of Test	POOH STATIC GRADIENT
Date(s) of Test	5/7/15

PROBE INFORMATION

Probe Serial Number W1151

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 31-6 UNIT 220
Type of Test	POOH STATIC GRADIENT
Date(s) of Test	5/7/15

COMMENTS

Reported By

PHOENIX SERVICES

RAN 1.75 GR TO 3200'-POOH-RAN TANDEM BHP GAUGES TO 3214'-SET 1 HR-POOH MAKING GRADIENT STOPS.

Company Name	CONOCOPHILLIPS
Well Name	SAN JUAN 31-6 UNIT 220
Type of Test	POOH STATIC GRADIENT
Date(s) of Test	5/7/15

Pressure vs. Depth

Probe Serial Number W1151

		(ft)	(psig)	(psi/ft)	(deg F)	(deg F/ft)
1134	1234	3214.000	158.134	-	110.496	-
1234	1239	3000.000	157.679	0.0021	109.674	0.0038
1239	1244	2500.000	155.825	0.0037	104.684	0.0100
1244	1249	2000.000	154.017	0.0036	98.600	0.0122
1249	1254	1500.000	152.199	0.0036	88.322	0.0206
1254	1259	1000.000	150.419	0.0036	82.047	0.0125
1259	1304	500.000	148.489	0.0039	73.922	0.0163
1304	1309	0.000	146.702	0.0036	68.443	0.0110

Extrapolated to MPP:

(ft)	(psig)	(deg F)
0.000		

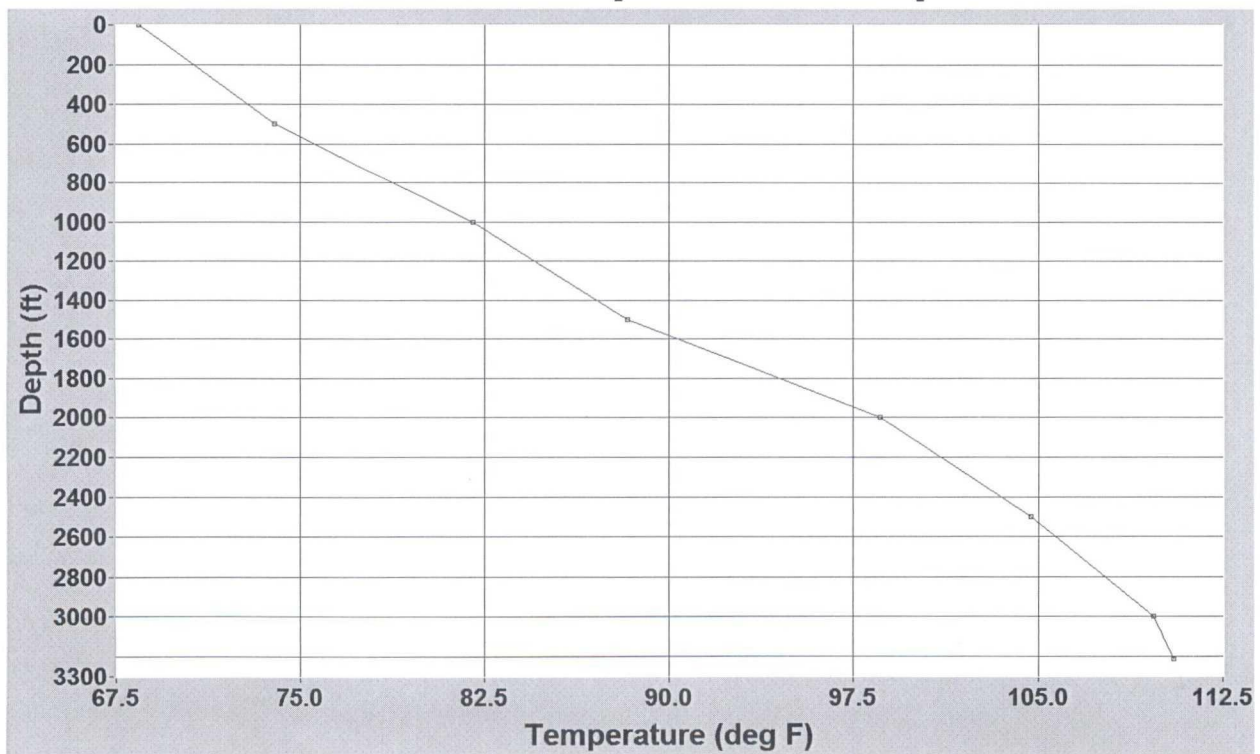
Company Name CONOCOPHILLIPS
Well Name SAN JUAN 31-6 UNIT 220
Type of Test POOH STATIC GRADIENT
Date(s) of Test 5/7/15

Probe Serial Number W1151

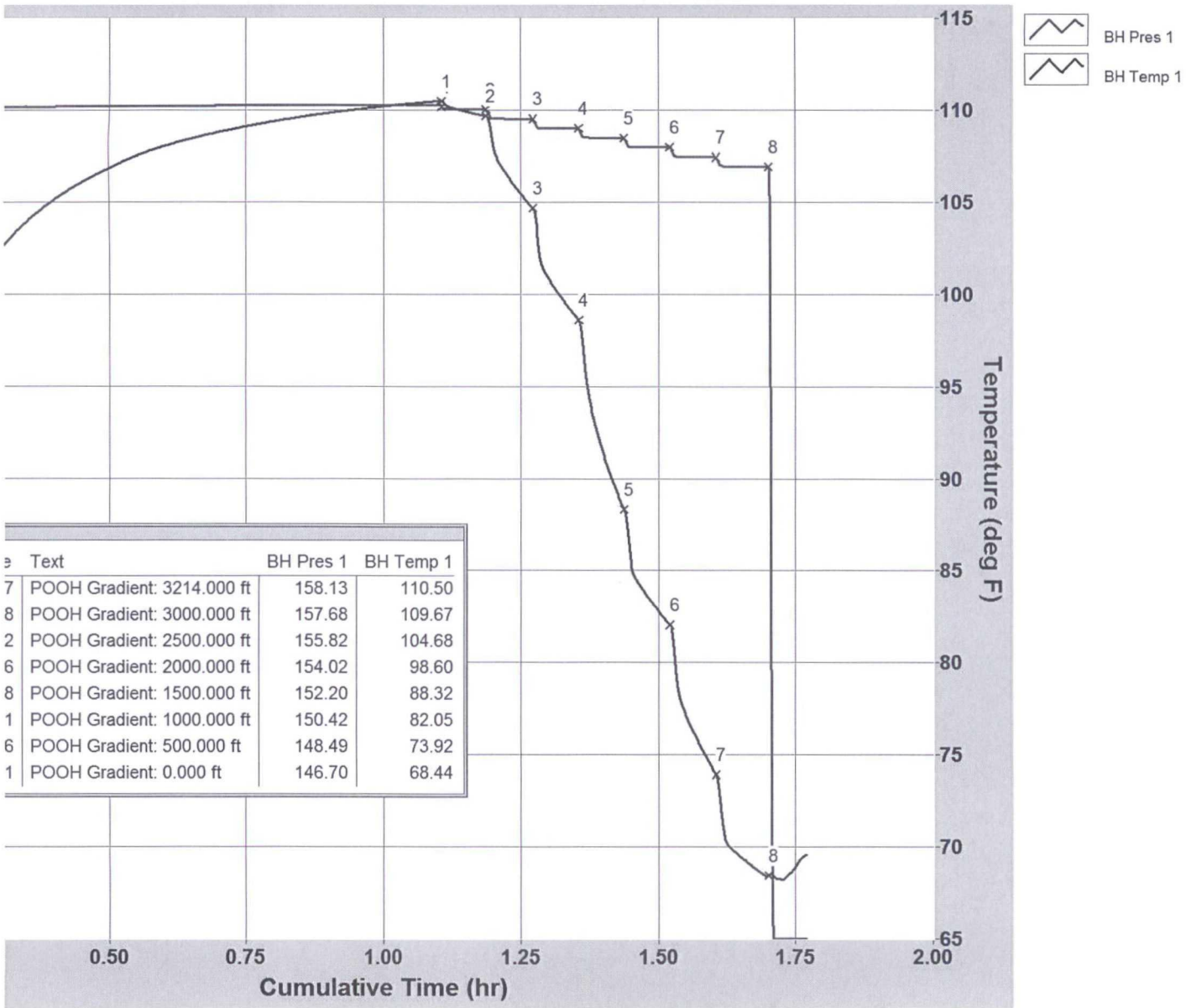
POOH Gradient Depth vs. Pressure



POOH Gradient Depth vs. Temperature



San Juan 31-6 unit #220



Company Name CONOCOPHILLIPS
Well Name SAN JUAN 31-6 UNIT 220
Type of Test POOH STATIC GRADIENT
Date(s) of Test 5/7/15

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2015/05/07	11:26:05	0.0000	0.000	76.084
2015/05/07	11:26:35	0.0083	0.000	76.408
2015/05/07	11:27:05	0.0167	0.000	76.926
2015/05/07	11:27:35	0.0250	0.000	77.220
2015/05/07	11:28:05	0.0333	0.000	77.401
2015/05/07	11:28:35	0.0417	145.575	77.526
2015/05/07	11:29:05	0.0500	146.441	76.271
2015/05/07	11:29:35	0.0583	147.202	73.117
2015/05/07	11:30:05	0.0667	148.126	70.302
2015/05/07	11:30:35	0.0750	149.217	68.592
2015/05/07	11:31:05	0.0833	150.504	68.094
2015/05/07	11:31:35	0.0917	151.912	69.107
2015/05/07	11:32:05	0.1000	153.510	71.949
2015/05/07	11:32:35	0.1083	155.120	76.534
2015/05/07	11:33:05	0.1167	156.766	82.270
2015/05/07	11:33:35	0.1250	157.706	88.633
2015/05/07	11:34:05	0.1333	157.884	92.210
2015/05/07	11:34:35	0.1417	157.945	93.380
2015/05/07	11:35:05	0.1500	157.992	94.132
2015/05/07	11:35:35	0.1583	158.022	94.779
2015/05/07	11:36:05	0.1667	158.053	95.373
2015/05/07	11:36:35	0.1750	158.079	95.949
2015/05/07	11:37:05	0.1833	158.089	96.498
2015/05/07	11:37:35	0.1917	158.097	97.032
2015/05/07	11:38:05	0.2000	158.111	97.538
2015/05/07	11:38:35	0.2083	158.117	98.029
2015/05/07	11:39:05	0.2167	158.123	98.506
2015/05/07	11:39:35	0.2250	158.133	98.942
2015/05/07	11:40:05	0.2333	158.075	99.372
2015/05/07	11:40:35	0.2417	158.105	99.799
2015/05/07	11:41:05	0.2500	158.127	100.231
2015/05/07	11:41:35	0.2583	158.136	100.638
2015/05/07	11:42:05	0.2667	158.140	101.016
2015/05/07	11:42:35	0.2750	158.140	101.358
2015/05/07	11:43:05	0.2833	158.155	101.698
2015/05/07	11:43:35	0.2917	158.154	102.015
2015/05/07	11:44:05	0.3000	158.158	102.322
2015/05/07	11:44:35	0.3083	158.168	102.609
2015/05/07	11:45:05	0.3167	158.174	102.891
2015/05/07	11:45:35	0.3250	158.170	103.159
2015/05/07	11:46:05	0.3333	158.178	103.417
2015/05/07	11:46:35	0.3417	158.176	103.651
2015/05/07	11:47:05	0.3500	158.186	103.883
2015/05/07	11:47:35	0.3583	158.184	104.115
2015/05/07	11:48:05	0.3667	158.180	104.322
2015/05/07	11:48:35	0.3750	158.177	104.526
2015/05/07	11:49:05	0.3833	158.172	104.718
2015/05/07	11:49:35	0.3917	158.174	104.904
2015/05/07	11:50:05	0.4000	158.186	105.085
2015/05/07	11:50:35	0.4083	158.200	105.256

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2015/05/07	11:51:05	0.4167	158.204	105.418
2015/05/07	11:51:35	0.4250	158.208	105.582
2015/05/07	11:52:05	0.4333	158.212	105.735
2015/05/07	11:52:35	0.4417	158.222	105.879
2015/05/07	11:53:05	0.4500	158.218	106.025
2015/05/07	11:53:35	0.4583	158.225	106.165
2015/05/07	11:54:05	0.4667	158.227	106.299
2015/05/07	11:54:35	0.4750	158.233	106.426
2015/05/07	11:55:05	0.4833	158.229	106.552
2015/05/07	11:55:35	0.4917	158.228	106.671
2015/05/07	11:56:05	0.5000	158.230	106.785
2015/05/07	11:56:35	0.5083	158.239	106.907
2015/05/07	11:57:05	0.5167	158.241	107.026
2015/05/07	11:57:35	0.5250	158.246	107.145
2015/05/07	11:58:05	0.5333	158.261	107.262
2015/05/07	11:58:35	0.5417	158.260	107.373
2015/05/07	11:59:05	0.5500	158.262	107.483
2015/05/07	11:59:35	0.5583	158.266	107.582
2015/05/07	12:00:05	0.5667	158.277	107.676
2015/05/07	12:00:35	0.5750	158.294	107.766
2015/05/07	12:01:05	0.5833	158.285	107.861
2015/05/07	12:01:35	0.5917	158.285	107.935
2015/05/07	12:02:05	0.6000	158.286	108.016
2015/05/07	12:02:35	0.6083	158.289	108.088
2015/05/07	12:03:05	0.6167	158.286	108.165
2015/05/07	12:03:35	0.6250	158.296	108.235
2015/05/07	12:04:05	0.6333	158.295	108.300
2015/05/07	12:04:35	0.6417	158.302	108.370
2015/05/07	12:05:05	0.6500	158.308	108.437
2015/05/07	12:05:35	0.6583	158.311	108.498
2015/05/07	12:06:05	0.6667	158.320	108.559
2015/05/07	12:06:35	0.6750	158.333	108.622
2015/05/07	12:07:05	0.6833	158.329	108.680
2015/05/07	12:07:35	0.6917	158.331	108.738
2015/05/07	12:08:05	0.7000	158.347	108.795
2015/05/07	12:08:35	0.7083	158.353	108.849
2015/05/07	12:09:05	0.7167	158.355	108.900
2015/05/07	12:09:35	0.7250	158.351	108.945
2015/05/07	12:10:05	0.7333	158.353	109.006
2015/05/07	12:10:35	0.7417	158.352	109.058
2015/05/07	12:11:05	0.7500	158.358	109.103
2015/05/07	12:11:35	0.7583	158.373	109.146
2015/05/07	12:12:05	0.7667	158.365	109.200
2015/05/07	12:12:35	0.7750	158.364	109.242
2015/05/07	12:13:05	0.7833	158.379	109.288
2015/05/07	12:13:35	0.7917	158.384	109.330
2015/05/07	12:14:05	0.8000	158.387	109.380
2015/05/07	12:14:35	0.8083	158.392	109.420
2015/05/07	12:15:05	0.8167	158.397	109.458
2015/05/07	12:15:35	0.8250	158.399	109.497

Company Name CONOCOPHILLIPS
Well Name SAN JUAN 31-6 UNIT 220
Type of Test POOH STATIC GRADIENT
Date(s) of Test 5/7/15

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2015/05/07	12:16:05	0.8333	158.407	109.537
2015/05/07	12:16:35	0.8417	158.412	109.582
2015/05/07	12:17:05	0.8500	158.424	109.620
2015/05/07	12:17:35	0.8583	158.428	109.652
2015/05/07	12:18:05	0.8667	158.427	109.692
2015/05/07	12:18:35	0.8750	158.435	109.728
2015/05/07	12:19:05	0.8833	158.440	109.764
2015/05/07	12:19:35	0.8917	158.435	109.800
2015/05/07	12:20:05	0.9000	158.436	109.828
2015/05/07	12:20:35	0.9083	158.445	109.864
2015/05/07	12:21:05	0.9167	158.449	109.899
2015/05/07	12:21:35	0.9250	158.461	109.931
2015/05/07	12:22:05	0.9333	158.469	109.967
2015/05/07	12:22:35	0.9417	158.477	109.994
2015/05/07	12:23:05	0.9500	158.471	110.025
2015/05/07	12:23:35	0.9583	158.473	110.061
2015/05/07	12:24:05	0.9667	158.474	110.088
2015/05/07	12:24:35	0.9750	158.476	110.116
2015/05/07	12:25:05	0.9833	158.487	110.147
2015/05/07	12:25:35	0.9917	158.485	110.176
2015/05/07	12:26:05	1.0000	158.486	110.201
2015/05/07	12:26:35	1.0083	158.487	110.224
2015/05/07	12:27:05	1.0167	158.498	110.251
2015/05/07	12:27:35	1.0250	158.499	110.277
2015/05/07	12:28:05	1.0333	158.501	110.305
2015/05/07	12:28:35	1.0417	158.501	110.322
2015/05/07	12:29:05	1.0500	158.496	110.350
2015/05/07	12:29:35	1.0583	158.497	110.368
2015/05/07	12:30:05	1.0667	158.495	110.397
2015/05/07	12:30:35	1.0750	158.496	110.421
2015/05/07	12:31:05	1.0833	158.477	110.440
2015/05/07	12:31:35	1.0917	158.482	110.462
2015/05/07	12:32:05	1.1000	158.479	110.484
POOH Gradient: 3214.000 ft				
2015/05/07	12:32:30	1.1069	158.134	110.496
2015/05/07	12:32:35	1.1083	157.954	110.496
2015/05/07	12:33:05	1.1167	157.738	110.244
2015/05/07	12:33:35	1.1250	157.704	110.142
2015/05/07	12:34:05	1.1333	157.680	110.061
2015/05/07	12:34:35	1.1417	157.674	109.996
2015/05/07	12:35:05	1.1500	157.675	109.935
2015/05/07	12:35:35	1.1583	157.682	109.873
2015/05/07	12:36:05	1.1667	157.672	109.807
2015/05/07	12:36:35	1.1750	157.670	109.753
2015/05/07	12:37:05	1.1833	157.681	109.699
POOH Gradient: 3000.000 ft				
2015/05/07	12:37:20	1.1875	157.679	109.674
2015/05/07	12:37:35	1.1917	156.876	109.567
2015/05/07	12:38:05	1.2000	155.961	108.127
2015/05/07	12:38:35	1.2083	155.880	107.301

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2015/05/07	12:39:05	1.2167	155.853	106.878
2015/05/07	12:39:35	1.2250	155.833	106.502
2015/05/07	12:40:05	1.2333	155.831	106.147
2015/05/07	12:40:35	1.2417	155.833	105.807
2015/05/07	12:41:05	1.2500	155.826	105.478
2015/05/07	12:41:35	1.2583	155.826	105.170
2015/05/07	12:42:05	1.2667	155.826	104.871
POOH Gradient: 2500.000 ft				
2015/05/07	12:42:25	1.2722	155.825	104.684
2015/05/07	12:42:35	1.2750	155.215	104.508
2015/05/07	12:43:05	1.2833	154.104	102.427
2015/05/07	12:43:35	1.2917	154.057	101.343
2015/05/07	12:44:05	1.3000	154.025	100.875
2015/05/07	12:44:35	1.3083	154.013	100.490
2015/05/07	12:45:05	1.3167	154.002	100.130
2015/05/07	12:45:35	1.3250	153.997	99.779
2015/05/07	12:46:05	1.3333	154.010	99.446
2015/05/07	12:46:35	1.3417	154.013	99.124
2015/05/07	12:47:05	1.3500	154.013	98.809
POOH Gradient: 2000.000 ft				
2015/05/07	12:47:25	1.3556	154.017	98.600
2015/05/07	12:47:35	1.3583	153.496	98.425
2015/05/07	12:48:05	1.3667	152.329	96.030
2015/05/07	12:48:35	1.3750	152.240	94.235
2015/05/07	12:49:05	1.3833	152.210	93.133
2015/05/07	12:49:35	1.3917	152.186	92.199
2015/05/07	12:50:05	1.4000	152.203	91.360
2015/05/07	12:50:35	1.4083	152.201	90.594
2015/05/07	12:51:05	1.4167	152.192	89.886
2015/05/07	12:51:35	1.4250	152.198	89.235
2015/05/07	12:52:05	1.4333	152.198	88.614
POOH Gradient: 1500.000 ft				
2015/05/07	12:52:20	1.4375	152.199	88.322
2015/05/07	12:52:35	1.4417	151.318	87.795
2015/05/07	12:53:05	1.4500	150.421	85.465
2015/05/07	12:53:35	1.4583	150.392	84.587
2015/05/07	12:54:05	1.4667	150.385	84.178
2015/05/07	12:54:35	1.4750	150.387	83.818
2015/05/07	12:55:05	1.4833	150.380	83.484
2015/05/07	12:55:35	1.4917	150.379	83.149
2015/05/07	12:56:05	1.5000	150.384	82.823
2015/05/07	12:56:35	1.5083	150.384	82.512
2015/05/07	12:57:05	1.5167	150.406	82.202
POOH Gradient: 1000.000 ft				
2015/05/07	12:57:20	1.5208	150.419	82.047
2015/05/07	12:57:35	1.5250	149.831	81.770
2015/05/07	12:58:05	1.5333	148.649	79.180
2015/05/07	12:58:35	1.5417	148.578	77.819
2015/05/07	12:59:05	1.5500	148.557	77.151
2015/05/07	12:59:35	1.5583	148.537	76.593

Company Name CONOCOPHILLIPS
Well Name SAN JUAN 31-6 UNIT 220
Type of Test POOH STATIC GRADIENT
Date(s) of Test 5/7/15

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2015/05/07	13:00:05	1.5667	148.552	76.068
2015/05/07	13:00:35	1.5750	148.588	75.573
2015/05/07	13:01:05	1.5833	148.577	75.103
2015/05/07	13:01:35	1.5917	148.563	74.642
2015/05/07	13:02:05	1.6000	148.579	74.205
POOH Gradient: 500.000 ft				
2015/05/07	13:02:25	1.6056	148.489	73.922
2015/05/07	13:02:35	1.6083	147.914	73.614
2015/05/07	13:03:05	1.6167	146.850	71.364
2015/05/07	13:03:35	1.6250	146.732	70.218
2015/05/07	13:04:05	1.6333	146.721	69.903
2015/05/07	13:04:35	1.6417	146.714	69.674
2015/05/07	13:05:05	1.6500	146.711	69.469
2015/05/07	13:05:35	1.6583	146.705	69.271
2015/05/07	13:06:05	1.6667	146.709	69.071
2015/05/07	13:06:35	1.6750	146.706	68.875
2015/05/07	13:07:05	1.6833	146.713	68.680
2015/05/07	13:07:35	1.6917	146.720	68.504
2015/05/07	13:08:05	1.7000	146.704	68.421
POOH Gradient: 0.000 ft				
2015/05/07	13:08:10	1.7014	146.702	68.443
2015/05/07	13:08:35	1.7083	5.081	68.499
2015/05/07	13:09:05	1.7167	0.000	68.266
2015/05/07	13:09:35	1.7250	0.000	68.232
2015/05/07	13:10:05	1.7333	0.000	68.342
2015/05/07	13:10:35	1.7417	0.000	68.592
2015/05/07	13:11:05	1.7500	0.000	68.880
2015/05/07	13:11:35	1.7583	0.000	69.301
2015/05/07	13:12:05	1.7667	0.000	69.535