

OIL CONS. DIV DIST. 3

MAY 14 2015

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 31-6 UNIT 229
Well Location	T31N, R6W, SEC. 28
Field and Pool	FRUITLAND COAL
Status (Oil, Gas, Water, Injection)	OBSERVATION
Perforated Intervals	3218-3360
Mid-point of Perforated Intervals (MPP)	
Drilling Rig Number	
Elevations	
Kelly Bushing (KB)	13
Casing Flange (CF)	
KB-CF	
Ground Level	6501
Plug Back Total Depth	3365
Total Depth	3365
Production Casing	5 1/2 to 4670
Production Tubing	2 3/8 to 3315

TEST INFORMATION

Type of Test	POOH STATIC GRADIENT
Date(s) of Test	5/7/15
Dead-weight Gauge Tubing Pressure	180
Dead-weight Gauge Casing Pressure	
Shut-in Date (Duration)	
Date / Time on Bottom	5/7/15 @ 0713 HRS
Date / Time off Bottom	5/7/15 @ 0813 HRS
Probe Serial Number	W1151
Probe Offset from End of Tool String	0-6000
Run Depth at Probe Pressure Port	3244

PRESSURE TEST RESULTS

Maximum Recorded Probe Pressure	194.1 psig
Maximum Recorded Probe Temperature	110.2 deg F
Final Buildup Pressure	
Gradient Survey Information	
Extrapolated Pressure to MPP	
Final Gradient at Depth	
Job Number	34965WP

Company Name	CONOCOPHILLIPS
Well Name	SAN JUAN 31-6 UNIT 229
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>
-------------	--------------------	---------------	-----------------	----------------

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 229
Type of Test	POOH STATIC GRADIENT
Date(s) of Test	5/7/15

COMMENTS

Reported By

PHOENIX SERVICES

RAN 1.75 GR TO 3250'-POOH-RAN TANDEM BHP GAUGES TO 3244'-SET 1 HR-POOH MAKING GRADIENT STOPS.

Company Name	CONOCOPHILLIPS
Well Name	SAN JUAN 31-6 UNIT 229
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)
0713	0813	3244.000	193.751	-	110.223	-
0813	0818	3000.000	192.429	0.0054	108.691	0.0063
0818	0823	2500.000	190.338	0.0042	103.800	0.0098
0823	0828	2000.000	187.987	0.0047	95.590	0.0164
0828	0833	1500.000	185.600	0.0048	87.642	0.0159
0833	0838	1000.000	183.458	0.0043	79.840	0.0156
0838	0843	500.000	181.201	0.0045	72.131	0.0154
0843	0848	0.000	178.732	0.0049	64.623	0.0150

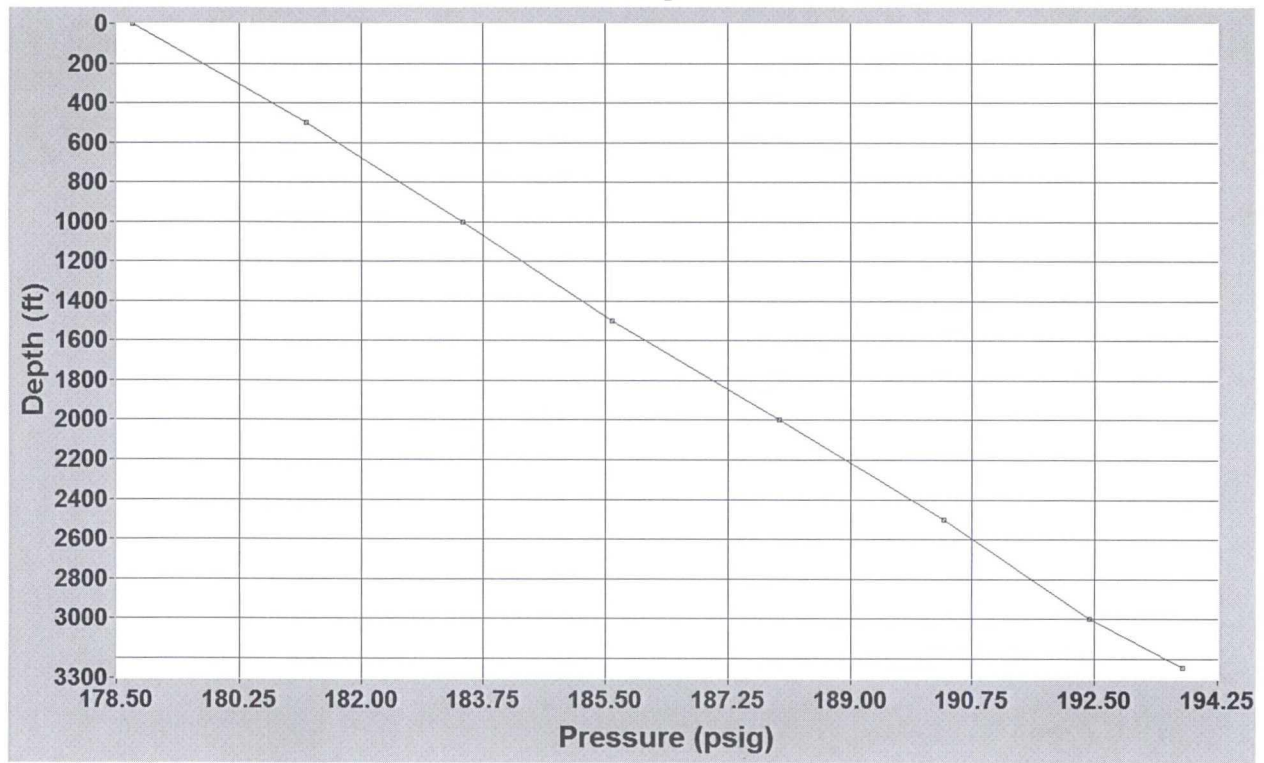
Extrapolated to MPP:

(ft)	(psig)	(deg F)
0.000		

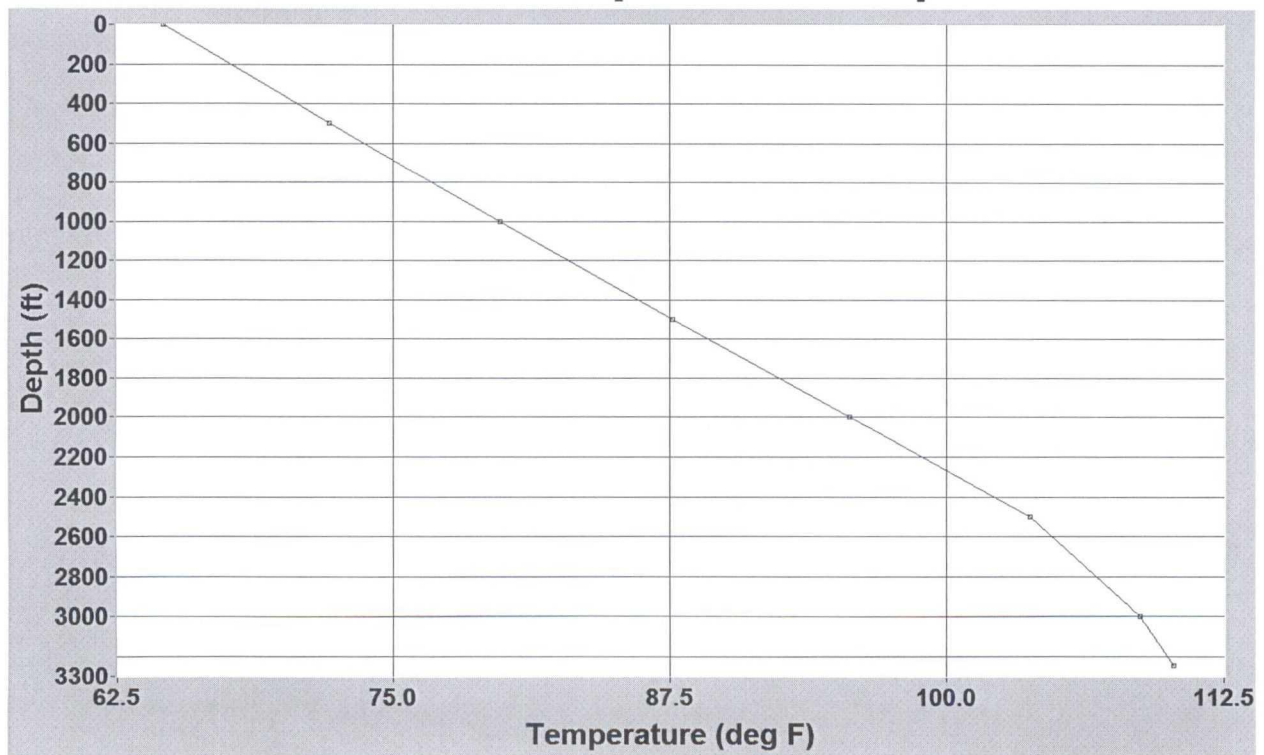
Company Name CONOCOPHILLIPS
Well Name SAN JUAN 31-6 UNIT 229
Type of Test POOH STATIC GRADIENT
Date(s) of Test 5/7/15

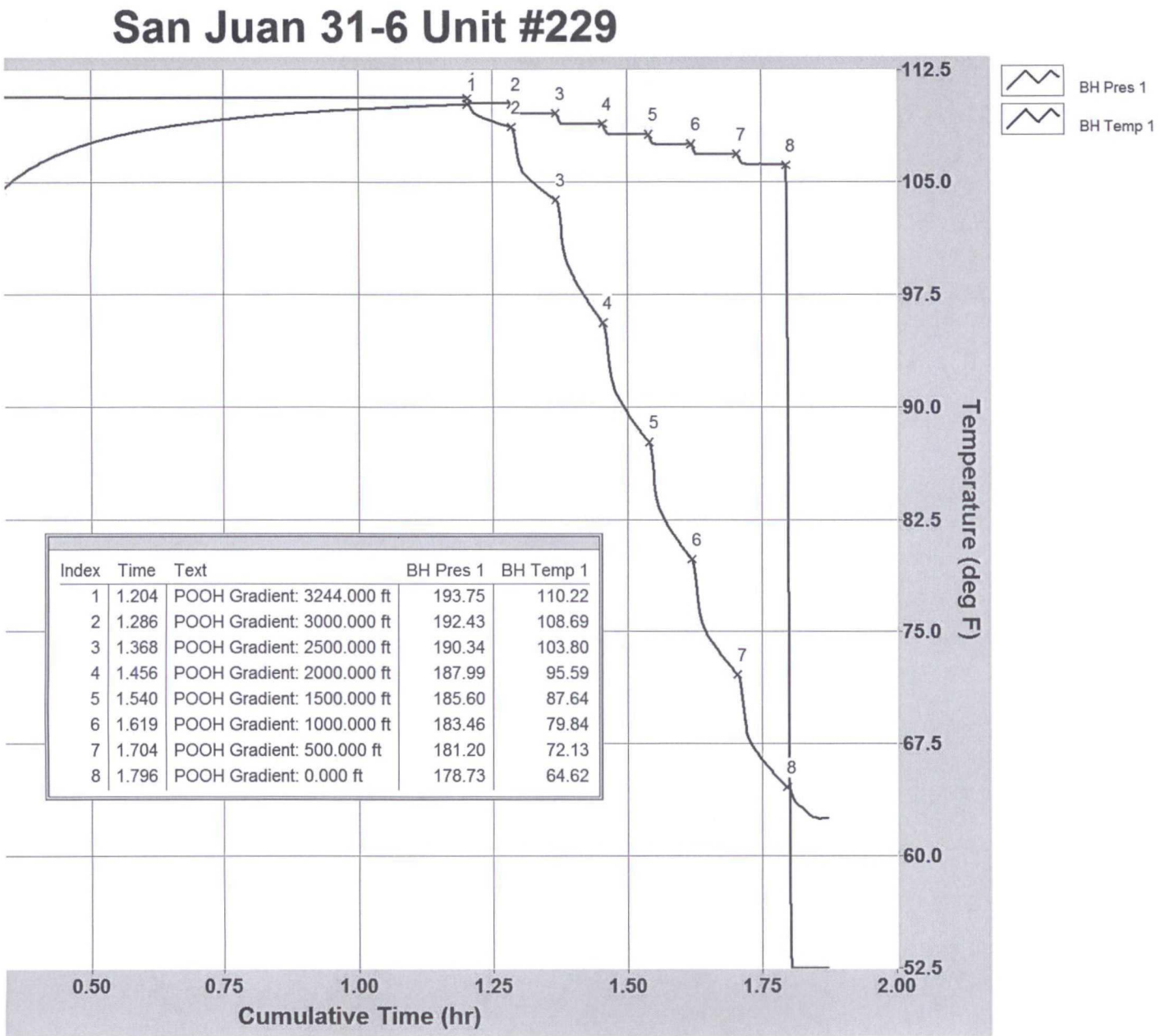
Probe Serial Number W1151

POOH Gradient Depth vs. Pressure



POOH Gradient Depth vs. Temperature





Company Name CONOCOPHILLIPS
Well Name SAN JUAN 31-6 UNIT 229
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	07:00:05	0.0000	0.000	67.152
2015/05/07	07:00:35	0.0083	0.000	66.619
2015/05/07	07:01:05	0.0167	0.000	66.097
2015/05/07	07:01:35	0.0250	0.000	65.813
2015/05/07	07:02:05	0.0333	0.000	65.817
2015/05/07	07:02:35	0.0417	0.000	65.473
2015/05/07	07:03:05	0.0500	0.000	65.035
2015/05/07	07:03:35	0.0583	0.000	64.632
2015/05/07	07:04:05	0.0667	0.000	64.198
2015/05/07	07:04:35	0.0750	0.000	63.671
2015/05/07	07:05:05	0.0833	0.000	63.264
2015/05/07	07:05:35	0.0917	179.230	62.899
2015/05/07	07:06:05	0.1000	179.447	62.283
2015/05/07	07:06:35	0.1083	179.869	61.545
2015/05/07	07:07:05	0.1167	180.285	60.769
2015/05/07	07:07:35	0.1250	181.131	60.046
2015/05/07	07:08:05	0.1333	182.131	59.844
2015/05/07	07:08:35	0.1417	183.391	60.535
2015/05/07	07:09:05	0.1500	184.353	62.087
2015/05/07	07:09:35	0.1583	185.214	63.950
2015/05/07	07:10:05	0.1667	186.252	66.225
2015/05/07	07:10:35	0.1750	187.195	69.085
2015/05/07	07:11:05	0.1833	188.420	72.532
2015/05/07	07:11:35	0.1917	189.759	76.579
2015/05/07	07:12:05	0.2000	191.251	81.518
2015/05/07	07:12:35	0.2083	193.055	87.404
2015/05/07	07:13:05	0.2167	194.049	94.017
2015/05/07	07:13:35	0.2250	194.048	97.061
2015/05/07	07:14:05	0.2333	194.084	98.411
2015/05/07	07:14:35	0.2417	194.127	99.307
2015/05/07	07:15:05	0.2500	194.115	100.027
2015/05/07	07:15:35	0.2583	194.110	100.650
2015/05/07	07:16:05	0.2667	194.086	101.205
2015/05/07	07:16:35	0.2750	194.115	101.710
2015/05/07	07:17:05	0.2833	194.109	102.180
2015/05/07	07:17:35	0.2917	194.116	102.619
2015/05/07	07:18:05	0.3000	194.105	103.035
2015/05/07	07:18:35	0.3083	194.101	103.419
2015/05/07	07:19:05	0.3167	194.096	103.766
2015/05/07	07:19:35	0.3250	194.090	104.088
2015/05/07	07:20:05	0.3333	194.102	104.401
2015/05/07	07:20:35	0.3417	194.091	104.677
2015/05/07	07:21:05	0.3500	194.088	104.934
2015/05/07	07:21:35	0.3583	194.094	105.183
2015/05/07	07:22:05	0.3667	194.075	105.409
2015/05/07	07:22:35	0.3750	194.071	105.616
2015/05/07	07:23:05	0.3833	194.070	105.822
2015/05/07	07:23:35	0.3917	194.060	106.000
2015/05/07	07:24:05	0.4000	194.043	106.174
2015/05/07	07:24:35	0.4083	194.041	106.335

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2015/05/07	07:25:05	0.4167	194.046	106.488
2015/05/07	07:25:35	0.4250	194.042	106.630
2015/05/07	07:26:05	0.4333	194.041	106.767
2015/05/07	07:26:35	0.4417	194.024	106.896
2015/05/07	07:27:05	0.4500	194.015	107.015
2015/05/07	07:27:35	0.4583	194.009	107.136
2015/05/07	07:28:05	0.4667	194.009	107.244
2015/05/07	07:28:35	0.4750	194.002	107.346
2015/05/07	07:29:05	0.4833	193.999	107.452
2015/05/07	07:29:35	0.4917	193.994	107.548
2015/05/07	07:30:05	0.5000	193.999	107.641
2015/05/07	07:30:35	0.5083	194.000	107.728
2015/05/07	07:31:05	0.5167	193.988	107.811
2015/05/07	07:31:35	0.5250	193.986	107.892
2015/05/07	07:32:05	0.5333	193.983	107.967
2015/05/07	07:32:35	0.5417	193.980	108.041
2015/05/07	07:33:05	0.5500	193.977	108.117
2015/05/07	07:33:35	0.5583	193.976	108.185
2015/05/07	07:34:05	0.5667	193.965	108.244
2015/05/07	07:34:35	0.5750	193.965	108.311
2015/05/07	07:35:05	0.5833	193.964	108.376
2015/05/07	07:35:35	0.5917	193.959	108.433
2015/05/07	07:36:05	0.6000	193.951	108.489
2015/05/07	07:36:35	0.6083	193.942	108.534
2015/05/07	07:37:05	0.6167	193.940	108.579
2015/05/07	07:37:35	0.6250	193.942	108.635
2015/05/07	07:38:05	0.6333	193.939	108.678
2015/05/07	07:38:35	0.6417	193.936	108.723
2015/05/07	07:39:05	0.6500	193.931	108.772
2015/05/07	07:39:35	0.6583	193.934	108.808
2015/05/07	07:40:05	0.6667	193.935	108.856
2015/05/07	07:40:35	0.6750	193.936	108.898
2015/05/07	07:41:05	0.6833	193.929	108.934
2015/05/07	07:41:35	0.6917	193.926	108.966
2015/05/07	07:42:05	0.7000	193.922	108.999
2015/05/07	07:42:35	0.7083	193.930	109.053
2015/05/07	07:43:05	0.7167	193.926	109.080
2015/05/07	07:43:35	0.7250	193.923	109.117
2015/05/07	07:44:05	0.7333	193.916	109.150
2015/05/07	07:44:35	0.7417	193.919	109.182
2015/05/07	07:45:05	0.7500	193.918	109.213
2015/05/07	07:45:35	0.7583	193.911	109.245
2015/05/07	07:46:05	0.7667	193.917	109.272
2015/05/07	07:46:35	0.7750	193.910	109.305
2015/05/07	07:47:05	0.7833	193.909	109.332
2015/05/07	07:47:35	0.7917	193.899	109.362
2015/05/07	07:48:05	0.8000	193.901	109.389
2015/05/07	07:48:35	0.8083	193.910	109.414
2015/05/07	07:49:05	0.8167	193.906	109.443
2015/05/07	07:49:35	0.8250	193.895	109.465

Company Name CONOCOPHILLIPS
Well Name SAN JUAN 31-6 UNIT 229
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	07:50:05	0.8333	193.897	109.490
2015/05/07	07:50:35	0.8417	193.890	109.521
2015/05/07	07:51:05	0.8500	193.883	109.544
2015/05/07	07:51:35	0.8583	193.878	109.562
2015/05/07	07:52:05	0.8667	193.880	109.585
2015/05/07	07:52:35	0.8750	193.878	109.602
2015/05/07	07:53:05	0.8833	193.874	109.632
2015/05/07	07:53:35	0.8917	193.879	109.650
2015/05/07	07:54:05	0.9000	193.877	109.668
2015/05/07	07:54:35	0.9083	193.869	109.690
2015/05/07	07:55:05	0.9167	193.878	109.708
2015/05/07	07:55:35	0.9250	193.876	109.731
2015/05/07	07:56:05	0.9333	193.878	109.751
2015/05/07	07:56:35	0.9417	193.889	109.767
2015/05/07	07:57:05	0.9500	193.892	109.792
2015/05/07	07:57:35	0.9583	193.883	109.803
2015/05/07	07:58:05	0.9667	193.879	109.830
2015/05/07	07:58:35	0.9750	193.870	109.843
2015/05/07	07:59:05	0.9833	193.865	109.857
2015/05/07	07:59:35	0.9917	193.867	109.877
2015/05/07	08:00:05	1.0000	193.862	109.897
2015/05/07	08:00:35	1.0083	193.863	109.911
2015/05/07	08:01:05	1.0167	193.867	109.920
2015/05/07	08:01:35	1.0250	193.869	109.942
2015/05/07	08:02:05	1.0333	193.867	109.954
2015/05/07	08:02:35	1.0417	193.863	109.976
2015/05/07	08:03:05	1.0500	193.864	109.990
2015/05/07	08:03:35	1.0583	193.858	110.001
2015/05/07	08:04:05	1.0667	193.863	110.019
2015/05/07	08:04:35	1.0750	193.861	110.032
2015/05/07	08:05:05	1.0833	193.858	110.039
2015/05/07	08:05:35	1.0917	193.856	110.050
2015/05/07	08:06:05	1.1000	193.858	110.070
2015/05/07	08:06:35	1.1083	193.849	110.080
2015/05/07	08:07:05	1.1167	193.850	110.093
2015/05/07	08:07:35	1.1250	193.848	110.102
2015/05/07	08:08:05	1.1333	193.852	110.115
2015/05/07	08:08:35	1.1417	193.854	110.136
2015/05/07	08:09:05	1.1500	193.848	110.143
2015/05/07	08:09:35	1.1583	193.843	110.160
2015/05/07	08:10:05	1.1667	193.853	110.165
2015/05/07	08:10:35	1.1750	193.848	110.181
2015/05/07	08:11:05	1.1833	193.842	110.190
2015/05/07	08:11:35	1.1917	193.844	110.203
2015/05/07	08:12:05	1.2000	193.841	110.214
POOH Gradient: 3244.000 ft				
2015/05/07	08:12:20	1.2042	193.751	110.223
2015/05/07	08:12:35	1.2083	192.958	110.147
2015/05/07	08:13:05	1.2167	192.707	109.675
2015/05/07	08:13:35	1.2250	192.695	109.465

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2015/05/07	08:14:05	1.2333	192.693	109.323
2015/05/07	08:14:35	1.2417	192.695	109.204
2015/05/07	08:15:05	1.2500	192.686	109.096
2015/05/07	08:15:35	1.2583	192.680	108.993
2015/05/07	08:16:05	1.2667	192.682	108.900
2015/05/07	08:16:35	1.2750	192.687	108.808
2015/05/07	08:17:05	1.2833	192.686	108.727
POOH Gradient: 3000.000 ft				
2015/05/07	08:17:15	1.2861	192.429	108.691
2015/05/07	08:17:35	1.2917	190.990	108.131
2015/05/07	08:18:05	1.3000	190.417	106.286
2015/05/07	08:18:35	1.3083	190.372	105.643
2015/05/07	08:19:05	1.3167	190.356	105.301
2015/05/07	08:19:35	1.3250	190.348	105.019
2015/05/07	08:20:05	1.3333	190.359	104.765
2015/05/07	08:20:35	1.3417	190.351	104.518
2015/05/07	08:21:05	1.3500	190.344	104.286
2015/05/07	08:21:35	1.3583	190.340	104.056
2015/05/07	08:22:05	1.3667	190.341	103.836
POOH Gradient: 2500.000 ft				
2015/05/07	08:22:10	1.3681	190.338	103.800
2015/05/07	08:22:35	1.3750	188.625	102.861
2015/05/07	08:23:05	1.3833	188.016	100.380
2015/05/07	08:23:35	1.3917	188.057	99.354
2015/05/07	08:24:05	1.4000	188.019	98.706
2015/05/07	08:24:35	1.4083	188.028	98.155
2015/05/07	08:25:05	1.4167	188.066	97.644
2015/05/07	08:25:35	1.4250	188.039	97.165
2015/05/07	08:26:05	1.4333	188.021	96.717
2015/05/07	08:26:35	1.4417	188.025	96.274
2015/05/07	08:27:05	1.4500	188.007	95.860
POOH Gradient: 2000.000 ft				
2015/05/07	08:27:25	1.4556	187.987	95.590
2015/05/07	08:27:35	1.4583	187.240	95.351
2015/05/07	08:28:05	1.4667	185.790	92.808
2015/05/07	08:28:35	1.4750	185.747	91.344
2015/05/07	08:29:05	1.4833	185.726	90.655
2015/05/07	08:29:35	1.4917	185.783	90.120
2015/05/07	08:30:05	1.5000	185.754	89.613
2015/05/07	08:30:35	1.5083	185.758	89.157
2015/05/07	08:31:05	1.5167	185.758	88.731
2015/05/07	08:31:35	1.5250	185.774	88.324
2015/05/07	08:32:05	1.5333	185.768	87.944
POOH Gradient: 1500.000 ft				
2015/05/07	08:32:30	1.5403	185.600	87.642
2015/05/07	08:32:35	1.5417	185.189	87.535
2015/05/07	08:33:05	1.5500	183.511	85.037
2015/05/07	08:33:35	1.5583	183.425	83.332
2015/05/07	08:34:05	1.5667	183.445	82.623
2015/05/07	08:34:35	1.5750	183.412	82.103

Company Name CONOCOPHILLIPS
 Well Name SAN JUAN 31-6 UNIT 229
 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	08:35:05	1.5833	183.448	81.630
2015/05/07	08:35:35	1.5917	183.449	81.187
2015/05/07	08:36:05	1.6000	183.439	80.767
2015/05/07	08:36:35	1.6083	183.458	80.359
2015/05/07	08:37:05	1.6167	183.469	79.966
POOH Gradient: 1000.000 ft				
2015/05/07	08:37:15	1.6194	183.458	79.840
2015/05/07	08:37:35	1.6250	182.161	79.113
2015/05/07	08:38:05	1.6333	181.186	76.363
2015/05/07	08:38:35	1.6417	181.221	75.254
2015/05/07	08:39:05	1.6500	181.226	74.683
2015/05/07	08:39:35	1.6583	181.225	74.226
2015/05/07	08:40:05	1.6667	181.236	73.809
2015/05/07	08:40:35	1.6750	181.209	73.413
2015/05/07	08:41:05	1.6833	181.219	73.026
2015/05/07	08:41:35	1.6917	181.203	72.660
2015/05/07	08:42:05	1.7000	181.207	72.306
POOH Gradient: 500.000 ft				
2015/05/07	08:42:20	1.7042	181.201	72.131
2015/05/07	08:42:35	1.7083	180.314	71.728
2015/05/07	08:43:05	1.7167	179.045	69.267
2015/05/07	08:43:35	1.7250	178.983	67.834
2015/05/07	08:44:05	1.7333	178.976	67.262
2015/05/07	08:44:35	1.7417	178.963	66.835
2015/05/07	08:45:05	1.7500	179.000	66.447
2015/05/07	08:45:35	1.7583	178.976	66.079
2015/05/07	08:46:05	1.7667	178.973	65.727
2015/05/07	08:46:35	1.7750	178.973	65.385
2015/05/07	08:47:05	1.7833	178.980	65.052
2015/05/07	08:47:35	1.7917	178.963	64.729
POOH Gradient: 0.000 ft				
2015/05/07	08:47:50	1.7958	178.732	64.623
2015/05/07	08:48:05	1.8000	58.344	64.521
2015/05/07	08:48:35	1.8083	0.000	63.763
2015/05/07	08:49:05	1.8167	0.000	63.410
2015/05/07	08:49:35	1.8250	0.000	63.223
2015/05/07	08:50:05	1.8333	0.000	62.906
2015/05/07	08:50:35	1.8417	0.000	62.636
2015/05/07	08:51:05	1.8500	0.000	62.564
2015/05/07	08:51:35	1.8583	0.000	62.479
2015/05/07	08:52:05	1.8667	0.000	62.532