

San Juan 30-5 Unit #213
API # 30-039-24826

Pressure Test Report

COMPANY INFORMATION

Company Name
Representative
Phone
Fax
Address

ConocoPhillips
Priscilla Shorty

OIL CONS. DIV DIST. 3

JUN 01 2017

E-Mail Address
Service Company

Expert Downhole Services, Inc.

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 30-5 Unit #213
T30N, R5W, Sec. 5
Basin Fruitland Coal
Observation
3172-3292

6492
3295
2 3/8 to 3022

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
5/31/17
225
0
5/31/17 @ 0753
5/31/17 @ 0853

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

W1035
0-6000
3201

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

223.2 psig
112.2 deg F

AV

Company Name ConocoPhillips
Well Name San Juan 30-5 Unit #213
Type of Test POOH Static Gradient
Date(s) of Test 5/31/17



PROBE INFORMATION

Probe Serial Number W1035
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	5/31/17



COMMENTS

Reported By

Expert Downhole Services, Inc.

RIH with 1.50 Impression Block and tagged fill @ 3206 WLM. RIH with BHP gauge to 3201 for 1 hour, then POOH making 5 minute gradient stops as requested.

Company Name ConocoPhillips
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Pressure vs. Depth

Probe Serial Number W1035

		(ft)	(psig)	(psi/ft)	(deg F)	(deg F/ft)
		3201.000	223.206	-	112.226	-
0753	0853	3201.000	222.067	-	98.542	-
0854	0859	3000.000	222.267	-0.0010	112.032	-0.0671
0900	0905	2500.000	219.788	0.0050	108.453	0.0072
0906	0911	2000.000	217.350	0.0049	101.365	0.0142
0912	0917	1500.000	214.938	0.0048	93.402	0.0159
0918	0923	1000.000	212.457	0.0050	84.668	0.0175
0924	0929	500.000	209.959	0.0050	76.480	0.0164
0930	0935	0.000	207.374	0.0052	66.560	0.0198

Extrapolated to MPP:

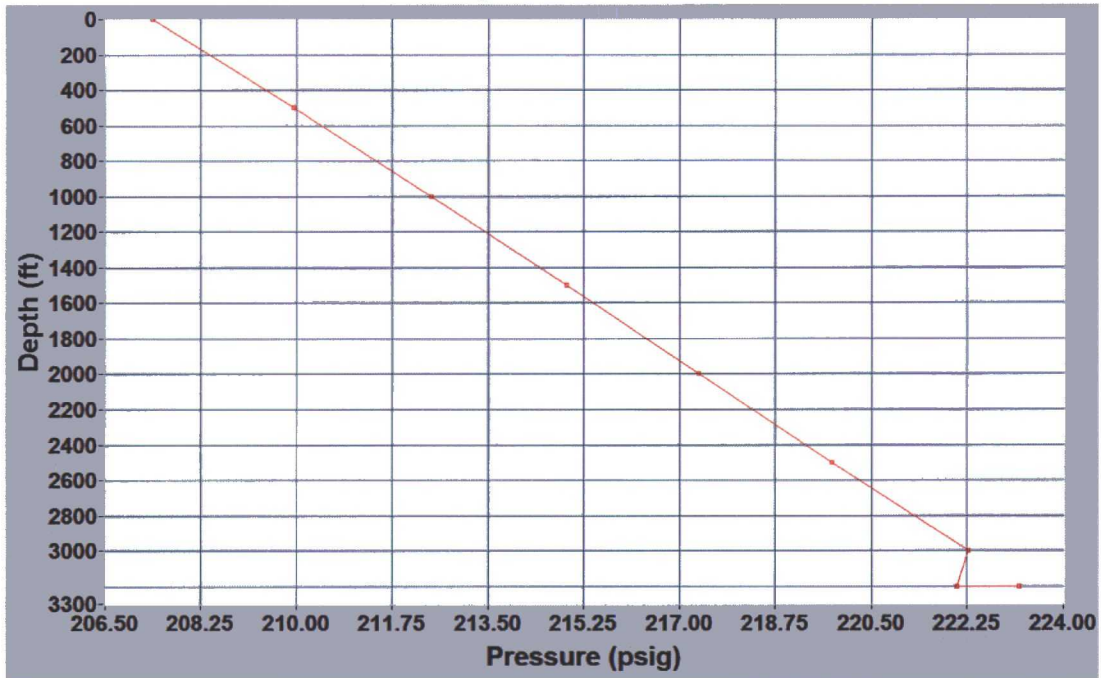
(ft)	(psig)	(deg F)
0.000		

Company Name ConocoPhillips
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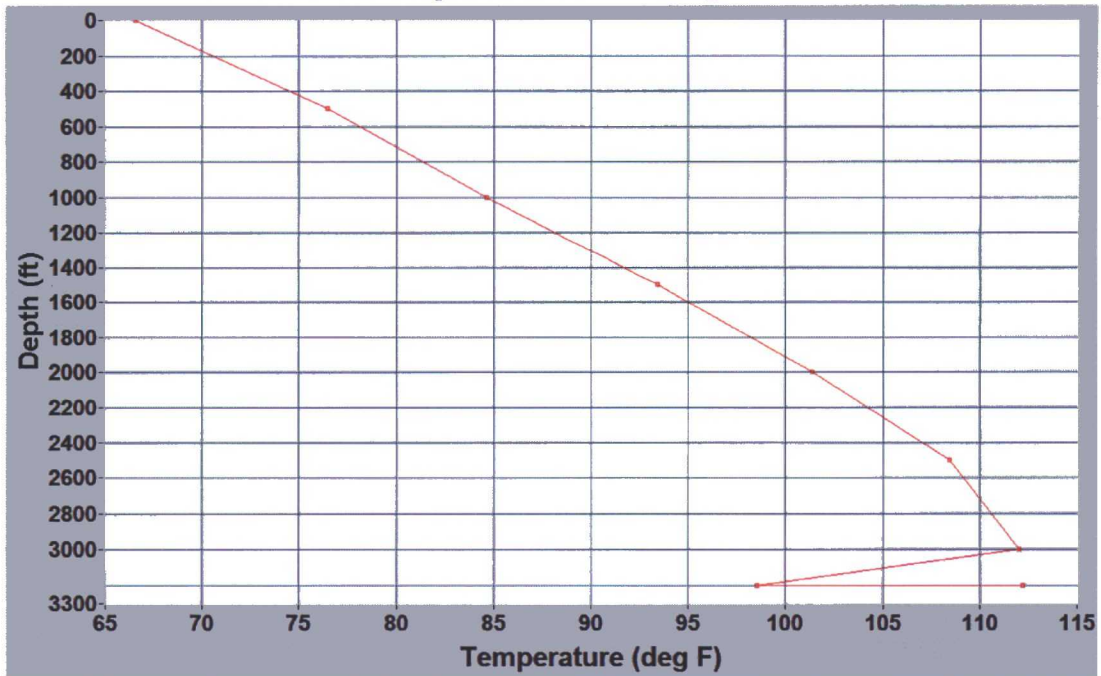


Probe Serial Number W1035

W1035 Depth vs. Pressure



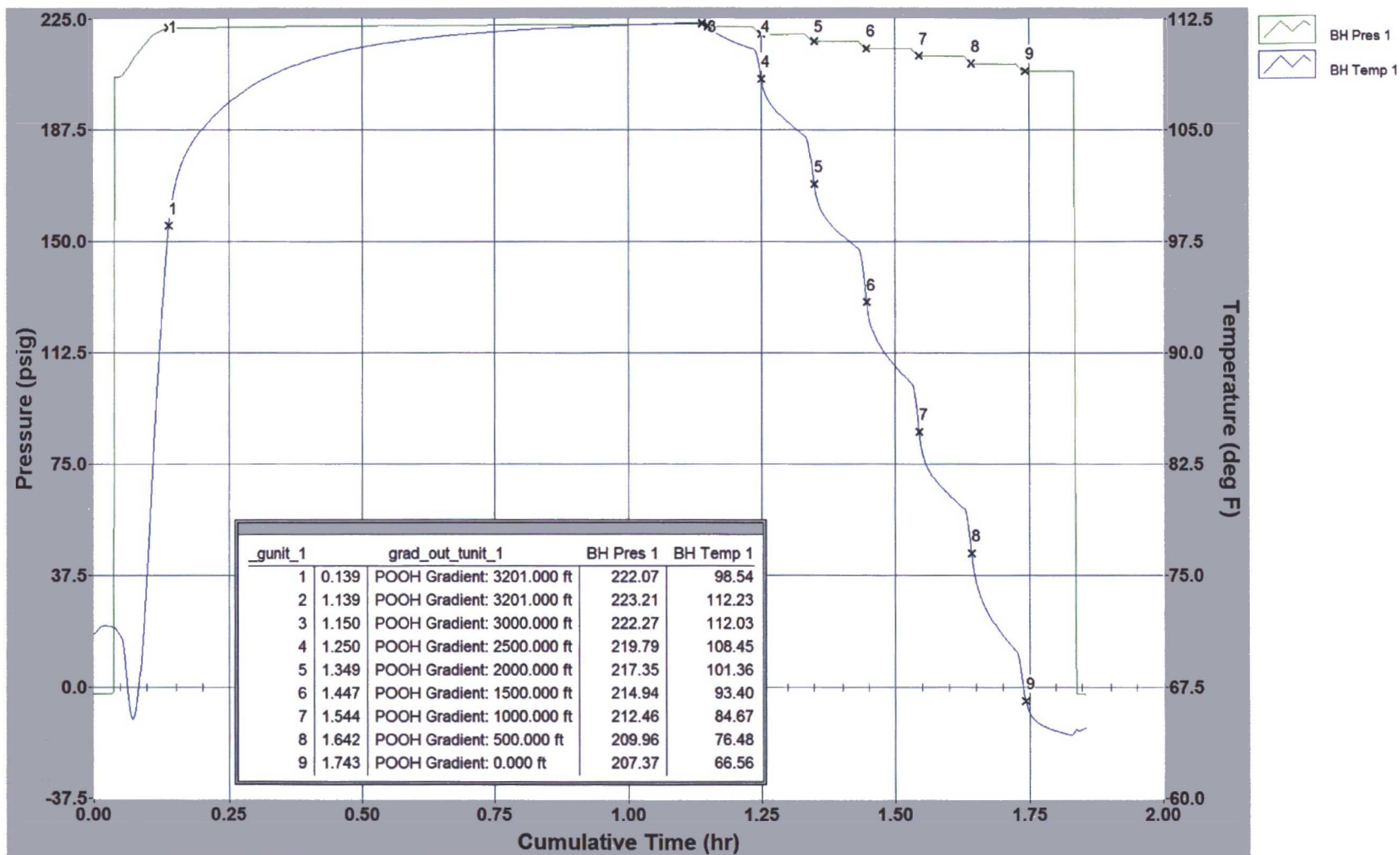
W1035 Depth vs. Temperature



Company Name ConocoPhillips
 Well Name San Juan 30-5 Unit #213
 Type of Test POOH Static Gradient
 Date(s) of Test 5/31/17



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 5/31/17



Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2017/05/31	07:45:35	0.0000	-2.236	71.103
2017/05/31	07:46:05	0.0083	-2.309	71.379
2017/05/31	07:46:35	0.0167	-2.265	71.614
2017/05/31	07:47:05	0.0250	-2.265	71.627
2017/05/31	07:47:35	0.0333	-2.005	71.562
2017/05/31	07:48:05	0.0417	205.427	71.357
2017/05/31	07:48:35	0.0500	205.614	70.925
2017/05/31	07:49:05	0.0583	207.279	69.021
2017/05/31	07:49:35	0.0667	209.322	66.022
2017/05/31	07:50:05	0.0750	211.788	65.500
2017/05/31	07:50:35	0.0833	213.856	67.588
2017/05/31	07:51:05	0.0917	215.897	71.377
2017/05/31	07:51:35	0.1000	217.769	76.302
2017/05/31	07:52:05	0.1083	219.358	81.934
2017/05/31	07:52:35	0.1167	220.388	87.359
2017/05/31	07:53:05	0.1250	221.151	91.958
2017/05/31	07:53:35	0.1333	221.735	96.121
POOH Gradient: 3201.000 ft				
2017/05/31	07:53:55	0.1389	222.067	98.542
2017/05/31	07:54:05	0.1417	222.109	99.487
2017/05/31	07:54:35	0.1500	222.081	101.266
2017/05/31	07:55:05	0.1583	222.045	102.340
2017/05/31	07:55:35	0.1667	222.084	103.111
2017/05/31	07:56:05	0.1750	222.096	103.701
2017/05/31	07:56:35	0.1833	222.101	104.200
2017/05/31	07:57:05	0.1917	222.115	104.644
2017/05/31	07:57:35	0.2000	222.132	105.044
2017/05/31	07:58:05	0.2083	222.145	105.399
2017/05/31	07:58:35	0.2167	222.160	105.728
2017/05/31	07:59:05	0.2250	222.186	106.043
2017/05/31	07:59:35	0.2333	222.189	106.344
2017/05/31	08:00:05	0.2417	222.209	106.614
2017/05/31	08:00:35	0.2500	222.221	106.864
2017/05/31	08:01:05	0.2583	222.248	107.103
2017/05/31	08:01:35	0.2667	222.268	107.328
2017/05/31	08:02:05	0.2750	222.281	107.548
2017/05/31	08:02:35	0.2833	222.300	107.766
2017/05/31	08:03:05	0.2917	222.312	107.965
2017/05/31	08:03:35	0.3000	222.334	108.138
2017/05/31	08:04:05	0.3083	222.373	108.306
2017/05/31	08:04:35	0.3167	222.376	108.466
2017/05/31	08:05:05	0.3250	222.385	108.621
2017/05/31	08:05:35	0.3333	222.390	108.770
2017/05/31	08:06:05	0.3417	222.406	108.903
2017/05/31	08:06:35	0.3500	222.419	109.042
2017/05/31	08:07:05	0.3583	222.435	109.162
2017/05/31	08:07:35	0.3667	222.444	109.285
2017/05/31	08:08:05	0.3750	222.454	109.386
2017/05/31	08:08:35	0.3833	222.471	109.490
2017/05/31	08:09:05	0.3917	222.483	109.602
2017/05/31	08:09:35	0.4000	222.497	109.704
2017/05/31	08:10:05	0.4083	222.507	109.800
2017/05/31	08:10:35	0.4167	222.520	109.886
2017/05/31	08:11:05	0.4250	222.532	109.969

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2017/05/31	08:11:35	0.4333	222.544	110.055
2017/05/31	08:12:05	0.4417	222.554	110.142
2017/05/31	08:12:35	0.4500	222.566	110.214
2017/05/31	08:13:05	0.4583	222.586	110.287
2017/05/31	08:13:35	0.4667	222.603	110.352
2017/05/31	08:14:05	0.4750	222.618	110.422
2017/05/31	08:14:35	0.4833	222.626	110.484
2017/05/31	08:15:05	0.4917	222.642	110.541
2017/05/31	08:15:35	0.5000	222.647	110.601
2017/05/31	08:16:05	0.5083	222.665	110.649
2017/05/31	08:16:35	0.5167	222.670	110.705
2017/05/31	08:17:05	0.5250	222.674	110.759
2017/05/31	08:17:35	0.5333	222.684	110.809
2017/05/31	08:18:05	0.5417	222.691	110.863
2017/05/31	08:18:35	0.5500	222.700	110.907
2017/05/31	08:19:05	0.5583	222.715	110.941
2017/05/31	08:19:35	0.5667	222.731	110.989
2017/05/31	08:20:05	0.5750	222.737	111.025
2017/05/31	08:20:35	0.5833	222.743	111.067
2017/05/31	08:21:05	0.5917	222.758	111.108
2017/05/31	08:21:35	0.6000	222.764	111.141
2017/05/31	08:22:05	0.6083	222.770	111.182
2017/05/31	08:22:35	0.6167	222.770	111.218
2017/05/31	08:23:05	0.6250	222.785	111.252
2017/05/31	08:23:35	0.6333	222.796	111.285
2017/05/31	08:24:05	0.6417	222.817	111.319
2017/05/31	08:24:35	0.6500	222.825	111.346
2017/05/31	08:25:05	0.6583	222.833	111.369
2017/05/31	08:25:35	0.6667	222.842	111.407
2017/05/31	08:26:05	0.6750	222.855	111.425
2017/05/31	08:26:35	0.6833	222.855	111.459
2017/05/31	08:27:05	0.6917	222.859	111.477
2017/05/31	08:27:35	0.7000	222.874	111.504
2017/05/31	08:28:05	0.7083	222.884	111.519
2017/05/31	08:28:35	0.7167	222.904	111.549
2017/05/31	08:29:05	0.7250	222.903	111.571
2017/05/31	08:29:35	0.7333	222.917	111.592
2017/05/31	08:30:05	0.7417	222.922	111.616
2017/05/31	08:30:35	0.7500	222.923	111.639
2017/05/31	08:31:05	0.7583	222.931	111.657
2017/05/31	08:31:35	0.7667	222.938	111.672
2017/05/31	08:32:05	0.7750	222.940	111.695
2017/05/31	08:32:35	0.7833	222.953	111.711
2017/05/31	08:33:05	0.7917	222.955	111.731
2017/05/31	08:33:35	0.8000	222.969	111.751
2017/05/31	08:34:05	0.8083	222.976	111.771
2017/05/31	08:34:35	0.8167	222.974	111.787
2017/05/31	08:35:05	0.8250	222.982	111.807
2017/05/31	08:35:35	0.8333	222.986	111.823
2017/05/31	08:36:05	0.8417	223.009	111.839
2017/05/31	08:36:35	0.8500	223.010	111.853
2017/05/31	08:37:05	0.8583	223.023	111.868
2017/05/31	08:37:35	0.8667	223.018	111.886
2017/05/31	08:38:05	0.8750	223.017	111.902

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Date(s) of Test 5/31/17



Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2017/05/31	08:38:35	0.8833	223.033	111.916
2017/05/31	08:39:05	0.8917	223.034	111.934
2017/05/31	08:39:35	0.9000	223.044	111.938
2017/05/31	08:40:05	0.9083	223.048	111.951
2017/05/31	08:40:35	0.9167	223.061	111.960
2017/05/31	08:41:05	0.9250	223.065	111.978
2017/05/31	08:41:35	0.9333	223.066	111.992
2017/05/31	08:42:05	0.9417	223.076	111.999
2017/05/31	08:42:35	0.9500	223.074	112.012
2017/05/31	08:43:05	0.9583	223.090	112.023
2017/05/31	08:43:35	0.9667	223.091	112.041
2017/05/31	08:44:05	0.9750	223.095	112.050
2017/05/31	08:44:35	0.9833	223.099	112.062
2017/05/31	08:45:05	0.9917	223.112	112.073
2017/05/31	08:45:35	1.0000	223.113	112.082
2017/05/31	08:46:05	1.0083	223.123	112.095
2017/05/31	08:46:35	1.0167	223.123	112.104
2017/05/31	08:47:05	1.0250	223.140	112.118
2017/05/31	08:47:35	1.0333	223.146	112.120
2017/05/31	08:48:05	1.0417	223.150	112.129
2017/05/31	08:48:35	1.0500	223.160	112.141
2017/05/31	08:49:05	1.0583	223.169	112.145
2017/05/31	08:49:35	1.0667	223.176	112.163
2017/05/31	08:50:05	1.0750	223.186	112.165
2017/05/31	08:50:35	1.0833	223.190	112.177
2017/05/31	08:51:05	1.0917	223.193	112.177
2017/05/31	08:51:35	1.1000	223.191	112.190
2017/05/31	08:52:05	1.1083	223.198	112.201
2017/05/31	08:52:35	1.1167	223.198	112.204
2017/05/31	08:53:05	1.1250	223.211	112.215
2017/05/31	08:53:35	1.1333	223.206	112.228
POOH Gradient: 3201.000 ft				
2017/05/31	08:53:55	1.1389	223.206	112.226
2017/05/31	08:54:05	1.1417	223.012	112.226
POOH Gradient: 3000.000 ft				
2017/05/31	08:54:35	1.1500	222.267	112.032
2017/05/31	08:55:05	1.1583	222.236	111.711
2017/05/31	08:55:35	1.1667	222.223	111.506
2017/05/31	08:56:05	1.1750	222.219	111.340
2017/05/31	08:56:35	1.1833	222.217	111.187
2017/05/31	08:57:05	1.1917	222.221	111.049
2017/05/31	08:57:35	1.2000	222.224	110.923
2017/05/31	08:58:05	1.2083	222.227	110.806
2017/05/31	08:58:35	1.2167	222.231	110.700
2017/05/31	08:59:05	1.2250	222.238	110.592
2017/05/31	08:59:35	1.2333	222.240	110.496
2017/05/31	09:00:05	1.2417	220.841	110.064
POOH Gradient: 2500.000 ft				
2017/05/31	09:00:35	1.2500	219.788	108.453
2017/05/31	09:01:05	1.2583	219.720	107.370
2017/05/31	09:01:35	1.2667	219.709	106.831
2017/05/31	09:02:05	1.2750	219.735	106.430
2017/05/31	09:02:35	1.2833	219.733	106.099
2017/05/31	09:03:05	1.2917	219.748	105.800

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2017/05/31	09:03:35	1.3000	219.739	105.530
2017/05/31	09:04:05	1.3083	219.751	105.269
2017/05/31	09:04:35	1.3167	219.782	105.021
2017/05/31	09:05:05	1.3250	219.774	104.778
2017/05/31	09:05:35	1.3333	219.690	104.560
2017/05/31	09:06:05	1.3417	218.111	103.329
POOH Gradient: 2000.000 ft				
2017/05/31	09:06:30	1.3486	217.350	101.365
2017/05/31	09:06:35	1.3500	217.331	101.008
2017/05/31	09:07:05	1.3583	217.322	99.856
2017/05/31	09:07:35	1.3667	217.300	99.273
2017/05/31	09:08:05	1.3750	217.335	98.863
2017/05/31	09:08:35	1.3833	217.320	98.523
2017/05/31	09:09:05	1.3917	217.319	98.211
2017/05/31	09:09:35	1.4000	217.314	97.936
2017/05/31	09:10:05	1.4083	217.337	97.677
2017/05/31	09:10:35	1.4167	217.340	97.426
2017/05/31	09:11:05	1.4250	217.343	97.182
2017/05/31	09:11:35	1.4333	217.057	96.924
2017/05/31	09:12:05	1.4417	215.481	95.239
POOH Gradient: 1500.000 ft				
2017/05/31	09:12:25	1.4472	214.938	93.402
2017/05/31	09:12:35	1.4500	214.897	92.644
2017/05/31	09:13:05	1.4583	214.870	91.468
2017/05/31	09:13:35	1.4667	214.879	90.799
2017/05/31	09:14:05	1.4750	214.885	90.280
2017/05/31	09:14:35	1.4833	214.915	89.843
2017/05/31	09:15:05	1.4917	214.904	89.461
2017/05/31	09:15:35	1.5000	214.903	89.098
2017/05/31	09:16:05	1.5083	214.904	88.752
2017/05/31	09:16:35	1.5167	214.946	88.425
2017/05/31	09:17:05	1.5250	214.947	88.108
2017/05/31	09:17:35	1.5333	214.297	87.676
2017/05/31	09:18:05	1.5417	212.699	85.609
POOH Gradient: 1000.000 ft				
2017/05/31	09:18:15	1.5444	212.457	84.668
2017/05/31	09:18:35	1.5500	212.409	83.336
2017/05/31	09:19:05	1.5583	212.404	82.414
2017/05/31	09:19:35	1.5667	212.435	81.849
2017/05/31	09:20:05	1.5750	212.434	81.414
2017/05/31	09:20:35	1.5833	212.450	81.052
2017/05/31	09:21:05	1.5917	212.460	80.730
2017/05/31	09:21:35	1.6000	212.456	80.429
2017/05/31	09:22:05	1.6083	212.464	80.136
2017/05/31	09:22:35	1.6167	212.479	79.866
2017/05/31	09:23:05	1.6250	212.479	79.594
2017/05/31	09:23:35	1.6333	211.375	78.892
POOH Gradient: 500.000 ft				
2017/05/31	09:24:05	1.6417	209.959	76.480
2017/05/31	09:24:35	1.6500	209.897	74.601
2017/05/31	09:25:05	1.6583	209.868	73.621
2017/05/31	09:25:35	1.6667	209.861	72.919
2017/05/31	09:26:05	1.6750	209.858	72.349
2017/05/31	09:26:35	1.6833	209.859	71.850

Company Name ConocoPhillips
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Date(s) of Test 5/31/17



Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2017/05/31	09:27:05	1.6917	209.901	71.404
2017/05/31	09:27:35	1.7000	209.902	71.002
2017/05/31	09:28:05	1.7083	209.918	70.621
2017/05/31	09:28:35	1.7167	209.923	70.272
2017/05/31	09:29:05	1.7250	209.935	69.942
2017/05/31	09:29:35	1.7333	208.316	68.938
2017/05/31	09:30:05	1.7417	207.385	66.837
POOH Gradient: 0.000 ft				
2017/05/31	09:30:10	1.7431	207.374	66.560
2017/05/31	09:30:35	1.7500	207.340	65.761
2017/05/31	09:31:05	1.7583	207.337	65.334
2017/05/31	09:31:35	1.7667	207.338	65.071
2017/05/31	09:32:05	1.7750	207.339	64.893
2017/05/31	09:32:35	1.7833	207.335	64.762
2017/05/31	09:33:05	1.7917	207.332	64.645
2017/05/31	09:33:35	1.8000	207.335	64.551
2017/05/31	09:34:05	1.8083	207.332	64.463
2017/05/31	09:34:35	1.8167	207.336	64.375
2017/05/31	09:35:05	1.8250	207.333	64.297
2017/05/31	09:35:35	1.8333	207.291	64.422
2017/05/31	09:36:05	1.8417	-2.269	64.562
2017/05/31	09:36:35	1.8500	-2.377	64.654