

San Juan 32-7 Unit #11
API # 30-045-28238

Pressure Test Report

COMPANY INFORMATION

Company Name	ConocoPhillips
Representative	Priscilla Shorty
Phone	
Fax	
Address	

OIL CONS. DIV DIST. 3
MAY 25 2017

E-Mail Address	
Service Company	Expert Downhole Services, Inc

WELL INFORMATION

Well Name	San Juan 32-7 Unit #211
Well Location	T32N, R7W, Sec. 35
Field and Pool	Fruitland Coal
Status (Oil, Gas, Water, Injection)	Observation
Perforated Intervals	3213-3336
Mid-point of Perforated Intervals (MPP)	
Drilling Rig Number	
Elevations	
Kelly Bushing (KB)	11
Casing Flange (CF)	
KB-CF	
Ground Level	6547
Plug Back Total Depth	3330
Total Depth	3331
Production Casing	7 to 3185
Production Tubing	2 3/8 to 3075

TEST INFORMATION

Type of Test	POOH Static Gradient
Date(s) of Test	5/22/17
Dead-weight Gauge Tubing Pressure	0
Dead-weight Gauge Casing Pressure	0
Shut-in Date (Duration)	
Date / Time on Bottom	5/22/17 @ 1006
Date / Time off Bottom	5/22/17 @ 1106
Probe Serial Number	W1036
Probe Offset from End of Tool String	0-6000
Run Depth at Probe Pressure Port	3142

PRESSURE TEST RESULTS

Maximum Recorded Probe Pressure	400.0 psig
Maximum Recorded Probe Temperature	110.9 deg F
Final Buildup Pressure	
Gradient Survey Information	
Extrapolated Pressure to MPP	
Final Gradient at Depth	
Job Number	

Company Name ConocoPhillips
Well Name San Juan 32-7 Unit #211
Type of Test POOH Static Gradient
Date(s) of Test 5/22/17



PROBE INFORMATION

Probe Serial Number W1036
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
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COMMENTS

Reported By

Expert Downhole Services, Inc.

RIH with 1.50 Impression Block and tagged fill @ 3145 WLM. RIH with BHP memory gauge to 3142 for 1 hour, then POOH making 5 minute gradient stops as requested.

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Pressure vs. Depth

Probe Serial Number W1036

		(ft)	(psig)	(psi/ft)	(deg F)	(deg F/ft)
		3142.000	396.045	-	110.905	-
1006	1106	3142.000	397.900	-	104.922	-
1106	1111	3000.000	338.245	0.4201	110.336	-0.0381
1112	1117	2500.000	119.375	0.4377	103.334	0.0140
1118	1123	2000.000	-2.171	0.2431	94.667	0.0173
1124	1129	1500.000	-2.270	0.0002	90.457	0.0084
1130	1135	1000.000	-2.418	0.0003	86.277	0.0084
1136	1141	500.000	-2.522	0.0002	81.430	0.0097
1142	1147	0.000	-2.706	0.0004	76.768	0.0093

Extrapolated to MPP:

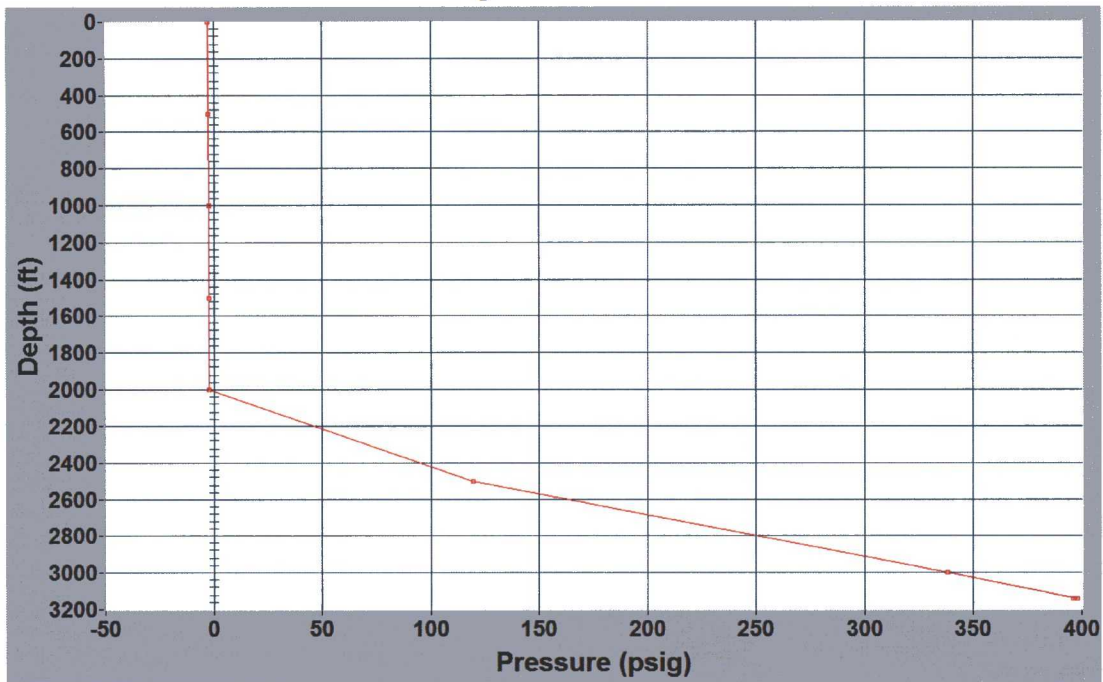
(ft)	(psig)	(deg F)
0.000		

Company Name ConocoPhillips
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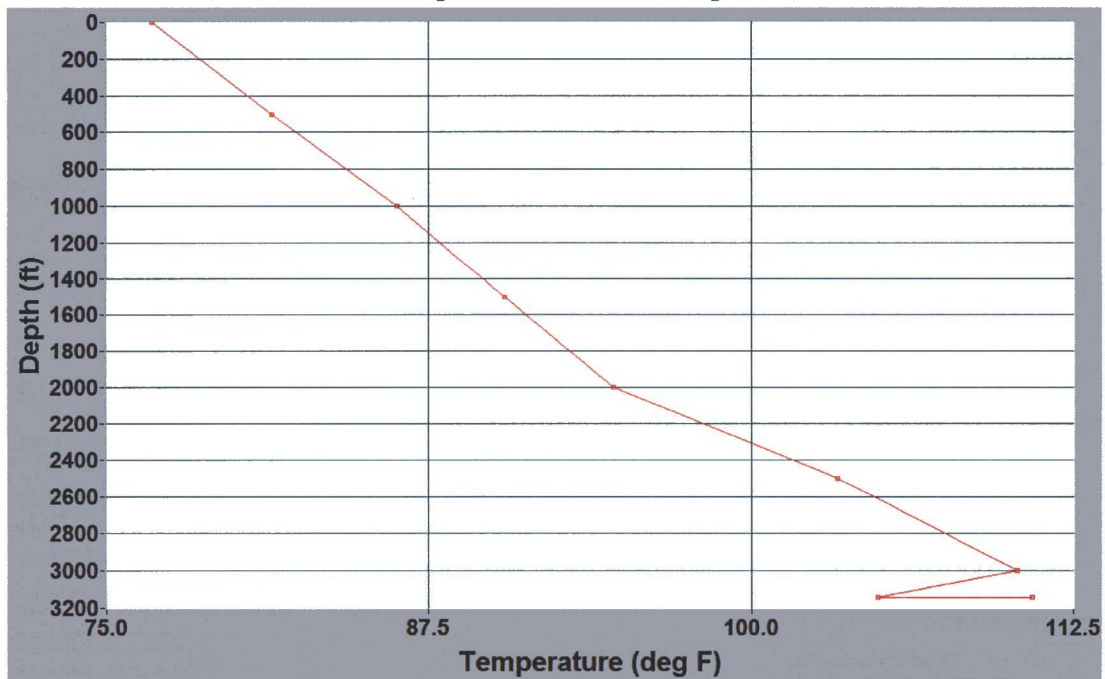


Probe Serial Number W1036

W1036 Depth vs. Pressure



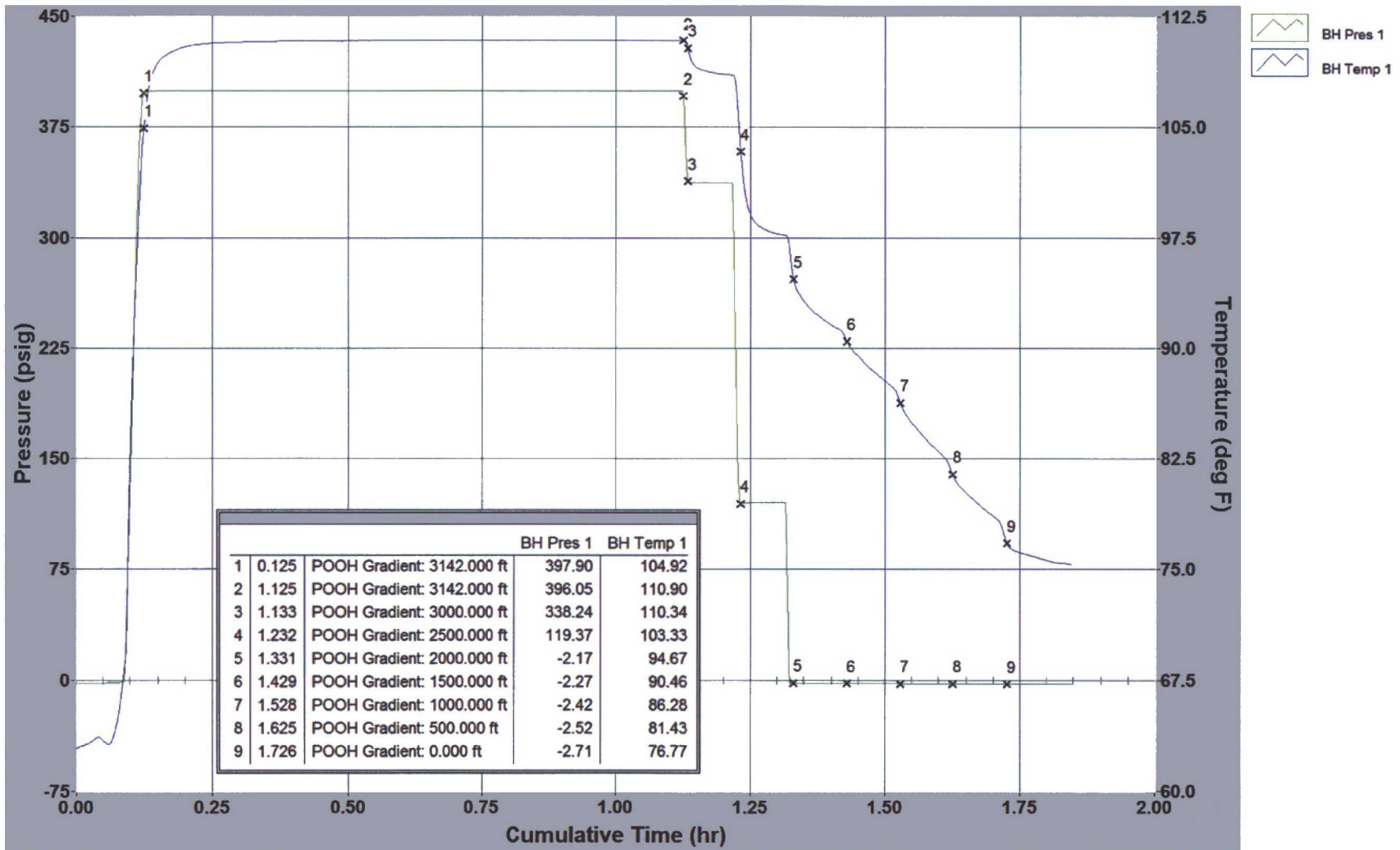
W1036 Depth vs. Temperature



Company Name ConocoPhillips
 Well Name San Juan 32-7 Unit #211
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 Date(s) of Test 5/22/17



San Juan 32-7 Unit #211



Company Name ConocoPhillips
Well Name San Juan 32-7 Unit #211
Type of Test POOH Static Gradient
Date(s) of Test 5/22/17



Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2017/05/22	09:58:35	0.0000	-2.115	62.928
2017/05/22	09:59:05	0.0083	-2.133	63.046
2017/05/22	09:59:35	0.0167	-2.074	63.145
2017/05/22	10:00:05	0.0250	-2.073	63.307
2017/05/22	10:00:35	0.0333	-2.078	63.513
2017/05/22	10:01:05	0.0417	-2.067	63.664
2017/05/22	10:01:35	0.0500	-1.917	63.414
2017/05/22	10:02:05	0.0583	-1.820	63.187
2017/05/22	10:02:35	0.0667	-1.633	63.478
2017/05/22	10:03:05	0.0750	-1.485	64.557
2017/05/22	10:03:35	0.0833	-1.351	66.402
2017/05/22	10:04:05	0.0917	31.884	69.746
2017/05/22	10:04:35	0.1000	141.826	83.782
2017/05/22	10:05:05	0.1083	255.444	92.725
2017/05/22	10:05:35	0.1167	362.467	99.522
POOH Gradient: 3142.000 ft				
2017/05/22	10:06:05	0.1250	397.900	104.922
2017/05/22	10:06:35	0.1333	399.623	107.541
2017/05/22	10:07:05	0.1417	399.286	108.666
2017/05/22	10:07:35	0.1500	399.420	109.278
2017/05/22	10:08:05	0.1583	399.443	109.666
2017/05/22	10:08:35	0.1667	399.502	109.908
2017/05/22	10:09:05	0.1750	399.504	110.084
2017/05/22	10:09:35	0.1833	399.527	110.215
2017/05/22	10:10:05	0.1917	399.547	110.338
2017/05/22	10:10:35	0.2000	399.546	110.439
2017/05/22	10:11:05	0.2083	399.496	110.505
2017/05/22	10:11:35	0.2167	399.509	110.559
2017/05/22	10:12:05	0.2250	399.516	110.601
2017/05/22	10:12:35	0.2333	399.512	110.633
2017/05/22	10:13:05	0.2417	399.514	110.651
2017/05/22	10:13:35	0.2500	399.512	110.673
2017/05/22	10:14:05	0.2583	399.512	110.692
2017/05/22	10:14:35	0.2667	399.512	110.709
2017/05/22	10:15:05	0.2750	399.502	110.723
2017/05/22	10:15:35	0.2833	399.512	110.736
2017/05/22	10:16:05	0.2917	399.509	110.746
2017/05/22	10:16:35	0.3000	399.507	110.757
2017/05/22	10:17:05	0.3083	399.503	110.773
2017/05/22	10:17:35	0.3167	399.498	110.773
2017/05/22	10:18:05	0.3250	399.499	110.779
2017/05/22	10:18:35	0.3333	399.496	110.788
2017/05/22	10:19:05	0.3417	399.498	110.795
2017/05/22	10:19:35	0.3500	399.499	110.806
2017/05/22	10:20:05	0.3583	399.490	110.806
2017/05/22	10:20:35	0.3667	399.477	110.808
2017/05/22	10:21:05	0.3750	399.480	110.817
2017/05/22	10:21:35	0.3833	399.487	110.822
2017/05/22	10:22:05	0.3917	399.491	110.826
2017/05/22	10:22:35	0.4000	399.486	110.826
2017/05/22	10:23:05	0.4083	399.492	110.838
2017/05/22	10:23:35	0.4167	399.481	110.842
2017/05/22	10:24:05	0.4250	399.490	110.842
2017/05/22	10:24:35	0.4333	399.493	110.844

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2017/05/22	10:25:05	0.4417	399.491	110.845
2017/05/22	10:25:35	0.4500	399.494	110.854
2017/05/22	10:26:05	0.4583	399.489	110.856
2017/05/22	10:26:35	0.4667	399.486	110.858
2017/05/22	10:27:05	0.4750	399.484	110.858
2017/05/22	10:27:35	0.4833	399.482	110.853
2017/05/22	10:28:05	0.4917	399.474	110.863
2017/05/22	10:28:35	0.5000	399.473	110.867
2017/05/22	10:29:05	0.5083	399.470	110.858
2017/05/22	10:29:35	0.5167	399.472	110.856
2017/05/22	10:30:05	0.5250	399.471	110.863
2017/05/22	10:30:35	0.5333	399.487	110.869
2017/05/22	10:31:05	0.5417	399.486	110.874
2017/05/22	10:31:35	0.5500	399.472	110.865
2017/05/22	10:32:05	0.5583	399.469	110.874
2017/05/22	10:32:35	0.5667	399.459	110.871
2017/05/22	10:33:05	0.5750	399.454	110.871
2017/05/22	10:33:35	0.5833	399.459	110.869
2017/05/22	10:34:05	0.5917	399.456	110.876
2017/05/22	10:34:35	0.6000	399.455	110.876
2017/05/22	10:35:05	0.6083	399.460	110.872
2017/05/22	10:35:35	0.6167	399.464	110.876
2017/05/22	10:36:05	0.6250	399.460	110.883
2017/05/22	10:36:35	0.6333	399.457	110.881
2017/05/22	10:37:05	0.6417	399.464	110.885
2017/05/22	10:37:35	0.6500	399.454	110.880
2017/05/22	10:38:05	0.6583	399.455	110.876
2017/05/22	10:38:35	0.6667	399.458	110.883
2017/05/22	10:39:05	0.6750	399.453	110.878
2017/05/22	10:39:35	0.6833	399.455	110.883
2017/05/22	10:40:05	0.6917	399.454	110.881
2017/05/22	10:40:35	0.7000	399.457	110.883
2017/05/22	10:41:05	0.7083	399.452	110.885
2017/05/22	10:41:35	0.7167	399.456	110.889
2017/05/22	10:42:05	0.7250	399.448	110.880
2017/05/22	10:42:35	0.7333	399.454	110.880
2017/05/22	10:43:05	0.7417	399.444	110.887
2017/05/22	10:43:35	0.7500	399.447	110.883
2017/05/22	10:44:05	0.7583	399.447	110.885
2017/05/22	10:44:35	0.7667	399.448	110.890
2017/05/22	10:45:05	0.7750	399.448	110.889
2017/05/22	10:45:35	0.7833	399.443	110.889
2017/05/22	10:46:05	0.7917	399.445	110.887
2017/05/22	10:46:35	0.8000	399.450	110.885
2017/05/22	10:47:05	0.8083	399.455	110.892
2017/05/22	10:47:35	0.8167	399.449	110.881
2017/05/22	10:48:05	0.8250	399.445	110.887
2017/05/22	10:48:35	0.8333	399.439	110.887
2017/05/22	10:49:05	0.8417	399.446	110.890
2017/05/22	10:49:35	0.8500	399.442	110.889
2017/05/22	10:50:05	0.8583	399.435	110.894
2017/05/22	10:50:35	0.8667	399.441	110.892
2017/05/22	10:51:05	0.8750	399.440	110.890
2017/05/22	10:51:35	0.8833	399.447	110.896

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Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2017/05/22	10:52:05	0.8917	399.441	110.892
2017/05/22	10:52:35	0.9000	399.435	110.892
2017/05/22	10:53:05	0.9083	399.436	110.896
2017/05/22	10:53:35	0.9167	399.428	110.896
2017/05/22	10:54:05	0.9250	399.426	110.898
2017/05/22	10:54:35	0.9333	399.424	110.892
2017/05/22	10:55:05	0.9417	399.430	110.896
2017/05/22	10:55:35	0.9500	399.421	110.894
2017/05/22	10:56:05	0.9583	399.421	110.892
2017/05/22	10:56:35	0.9667	399.424	110.901
2017/05/22	10:57:05	0.9750	399.428	110.898
2017/05/22	10:57:35	0.9833	399.428	110.898
2017/05/22	10:58:05	0.9917	399.434	110.899
2017/05/22	10:58:35	1.0000	399.426	110.899
2017/05/22	10:59:05	1.0083	399.426	110.890
2017/05/22	10:59:35	1.0167	399.425	110.896
2017/05/22	11:00:05	1.0250	399.426	110.899
2017/05/22	11:00:35	1.0333	399.422	110.905
2017/05/22	11:01:05	1.0417	399.419	110.903
2017/05/22	11:01:35	1.0500	399.423	110.899
2017/05/22	11:02:05	1.0583	399.421	110.901
2017/05/22	11:02:35	1.0667	399.423	110.898
2017/05/22	11:03:05	1.0750	399.421	110.894
2017/05/22	11:03:35	1.0833	399.420	110.898
2017/05/22	11:04:05	1.0917	399.415	110.899
2017/05/22	11:04:35	1.1000	399.415	110.901
2017/05/22	11:05:05	1.1083	399.418	110.901
2017/05/22	11:05:35	1.1167	399.423	110.898
POOH Gradient: 3142.000 ft				
2017/05/22	11:06:05	1.1250	396.045	110.905
POOH Gradient: 3000.000 ft				
2017/05/22	11:06:35	1.1333	338.245	110.336
2017/05/22	11:07:05	1.1417	337.414	109.380
2017/05/22	11:07:35	1.1500	337.331	109.047
2017/05/22	11:08:05	1.1583	337.362	108.900
2017/05/22	11:08:35	1.1667	337.348	108.811
2017/05/22	11:09:05	1.1750	337.348	108.734
2017/05/22	11:09:35	1.1833	337.350	108.682
2017/05/22	11:10:05	1.1917	337.351	108.637
2017/05/22	11:10:35	1.2000	337.357	108.601
2017/05/22	11:11:05	1.2083	337.353	108.570
2017/05/22	11:11:35	1.2167	336.163	108.550
2017/05/22	11:12:05	1.2250	184.646	107.166
POOH Gradient: 2500.000 ft				
2017/05/22	11:12:30	1.2319	119.375	103.334
2017/05/22	11:12:35	1.2333	120.182	102.582
2017/05/22	11:13:05	1.2417	119.825	100.051
2017/05/22	11:13:35	1.2500	120.135	99.054
2017/05/22	11:14:05	1.2583	120.132	98.553
2017/05/22	11:14:35	1.2667	120.151	98.278
2017/05/22	11:15:05	1.2750	120.175	98.091
2017/05/22	11:15:35	1.2833	120.190	97.952
2017/05/22	11:16:05	1.2917	120.201	97.855
2017/05/22	11:16:35	1.3000	120.208	97.772

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2017/05/22	11:17:05	1.3083	120.208	97.709
2017/05/22	11:17:35	1.3167	106.336	97.655
2017/05/22	11:18:05	1.3250	-2.143	96.116
POOH Gradient: 2000.000 ft				
2017/05/22	11:18:25	1.3306	-2.171	94.667
2017/05/22	11:18:35	1.3333	-2.155	94.282
2017/05/22	11:19:05	1.3417	-2.194	93.598
2017/05/22	11:19:35	1.3500	-2.118	93.142
2017/05/22	11:20:05	1.3583	-2.119	92.799
2017/05/22	11:20:35	1.3667	-2.136	92.503
2017/05/22	11:21:05	1.3750	-2.095	92.242
2017/05/22	11:21:35	1.3833	-2.097	91.999
2017/05/22	11:22:05	1.3917	-2.065	91.783
2017/05/22	11:22:35	1.4000	-2.089	91.587
2017/05/22	11:23:05	1.4083	-2.065	91.418
2017/05/22	11:23:35	1.4167	-2.112	91.240
2017/05/22	11:24:05	1.4250	-2.200	90.811
POOH Gradient: 1500.000 ft				
2017/05/22	11:24:20	1.4292	-2.270	90.457
2017/05/22	11:24:35	1.4333	-2.231	90.169
2017/05/22	11:25:05	1.4417	-2.241	89.776
2017/05/22	11:25:35	1.4500	-2.217	89.447
2017/05/22	11:26:05	1.4583	-2.244	89.139
2017/05/22	11:26:35	1.4667	-2.223	88.835
2017/05/22	11:27:05	1.4750	-2.228	88.551
2017/05/22	11:27:35	1.4833	-2.217	88.275
2017/05/22	11:28:05	1.4917	-2.213	88.012
2017/05/22	11:28:35	1.5000	-2.178	87.762
2017/05/22	11:29:05	1.5083	-2.217	87.525
2017/05/22	11:29:35	1.5167	-2.287	87.255
2017/05/22	11:30:05	1.5250	-2.357	86.562
POOH Gradient: 1000.000 ft				
2017/05/22	11:30:15	1.5278	-2.418	86.277
2017/05/22	11:30:35	1.5333	-2.394	85.816
2017/05/22	11:31:05	1.5417	-2.400	85.332
2017/05/22	11:31:35	1.5500	-2.387	84.927
2017/05/22	11:32:05	1.5583	-2.405	84.551
2017/05/22	11:32:35	1.5667	-2.382	84.198
2017/05/22	11:33:05	1.5750	-2.354	83.862
2017/05/22	11:33:35	1.5833	-2.400	83.539
2017/05/22	11:34:05	1.5917	-2.360	83.224
2017/05/22	11:34:35	1.6000	-2.336	82.933
2017/05/22	11:35:05	1.6083	-2.345	82.656
2017/05/22	11:35:35	1.6167	-2.420	82.269
POOH Gradient: 500.000 ft				
2017/05/22	11:36:05	1.6250	-2.522	81.430
2017/05/22	11:36:35	1.6333	-2.546	80.836
2017/05/22	11:37:05	1.6417	-2.506	80.499
2017/05/22	11:37:35	1.6500	-2.530	80.188
2017/05/22	11:38:05	1.6583	-2.534	79.903
2017/05/22	11:38:35	1.6667	-2.515	79.626
2017/05/22	11:39:05	1.6750	-2.522	79.360
2017/05/22	11:39:35	1.6833	-2.474	79.101
2017/05/22	11:40:05	1.6917	-2.447	78.849

Company Name ConocoPhillips
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Date(s) of Test 5/22/17



Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2017/05/22	11:40:35	1.7000	-2.446	78.607
2017/05/22	11:41:05	1.7083	-2.459	78.368
2017/05/22	11:41:35	1.7167	-2.625	77.826
2017/05/22	11:42:05	1.7250	-2.682	76.897
POOH Gradient: 0.000 ft				
2017/05/22	11:42:10	1.7264	-2.706	76.768
2017/05/22	11:42:35	1.7333	-2.699	76.386
2017/05/22	11:43:05	1.7417	-2.688	76.242
2017/05/22	11:43:35	1.7500	-2.671	76.145
2017/05/22	11:44:05	1.7583	-2.659	76.057
2017/05/22	11:44:35	1.7667	-2.641	75.970
2017/05/22	11:45:05	1.7750	-2.629	75.879
2017/05/22	11:45:35	1.7833	-2.623	75.787
2017/05/22	11:46:05	1.7917	-2.620	75.704
2017/05/22	11:46:35	1.8000	-2.625	75.609
2017/05/22	11:47:05	1.8083	-2.619	75.511
2017/05/22	11:47:35	1.8167	-2.617	75.445
2017/05/22	11:48:05	1.8250	-2.629	75.427
2017/05/22	11:48:35	1.8333	-2.632	75.425
2017/05/22	11:49:05	1.8417	-2.618	75.355