

San Juan 30-6 Unit 402 POW
API # 30-039-24015

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

San Juan 30-6 Unit 402 POW
T30N, R7W, Sec. 15
Fruitland Coal
Observation
3030-3135

Kelly Bushing (KB)
Casing Flange (CF)
KB-CF

12

Ground Level
Plug Back Total Depth
Total Depth
Production Casing
Production Tubing

6250
3155
3160
5 1/2 to 3156
2 3/8 to 3041

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
5/31/2017
38

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

W1036
0-6000
3130

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

67.5 psig
108.2 deg F

AV

NWCD TA Expires
5-3-18

Company Name ConocoPhillips
Well Name San Juan 30-6 Unit 402 POW
Type of Test POOH Static Gradient
Date(s) of Test 5/31/2017



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
Well Name	San Juan 30-6 Unit 402 POW
Type of Test	POOH Static Gradient
Date(s) of Test	5/31/2017



COMMENTS

Reported By

Expert Downhole Services, Inc.

RIH with 1.50 Impression Block and tagged fill @ 3134 WLM. RIH with BHP gauge to 3130 for 1 hour, then POOH making 5 minute stops as requested.

Company Name ConocoPhillips
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 Date(s) of Test 5/31/2017



Pressure vs. Depth

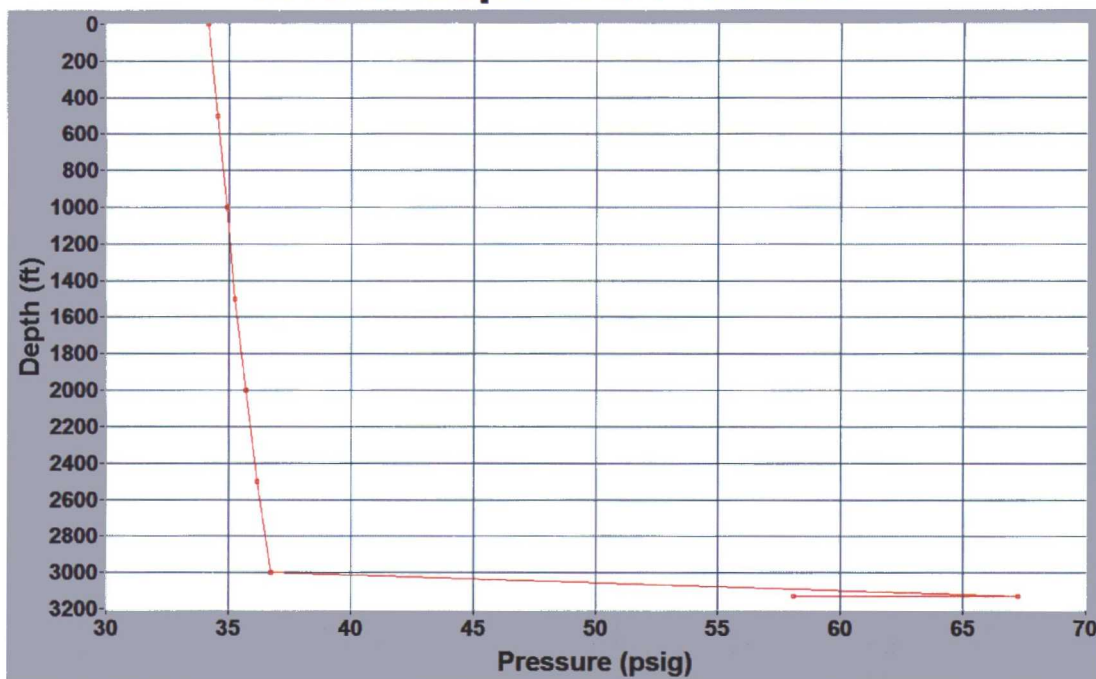
Probe Serial Number W1036

		(ft)	(psig)	(psi/ft)	(deg F)	(deg F/ft)
		3130.000	58.106	-	108.180	-
1116	1216	3130.000	67.236	-	89.967	-
1217	1222	3000.000	36.765	0.2344	107.386	-0.1340
1223	1228	2500.000	36.183	0.0012	105.022	0.0047
1229	1234	2000.000	35.724	0.0009	99.615	0.0108
1235	1240	1500.000	35.253	0.0009	94.343	0.0105
1240	1245	1000.000	34.948	0.0006	86.695	0.0153
1246	1251	500.000	34.557	0.0008	80.591	0.0122
1252	1257	0.000	34.168	0.0008	70.475	0.0202

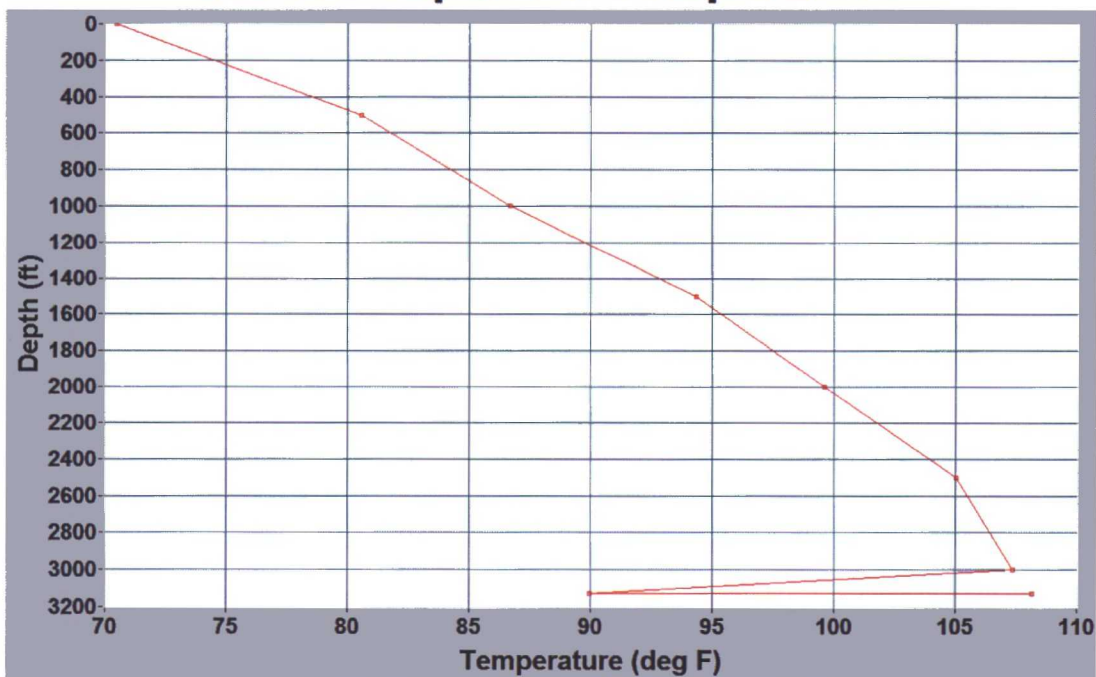
Extrapolated to MPP:

(ft)	(psig)	(deg F)
0.000		

W1036 Depth vs. Pressure



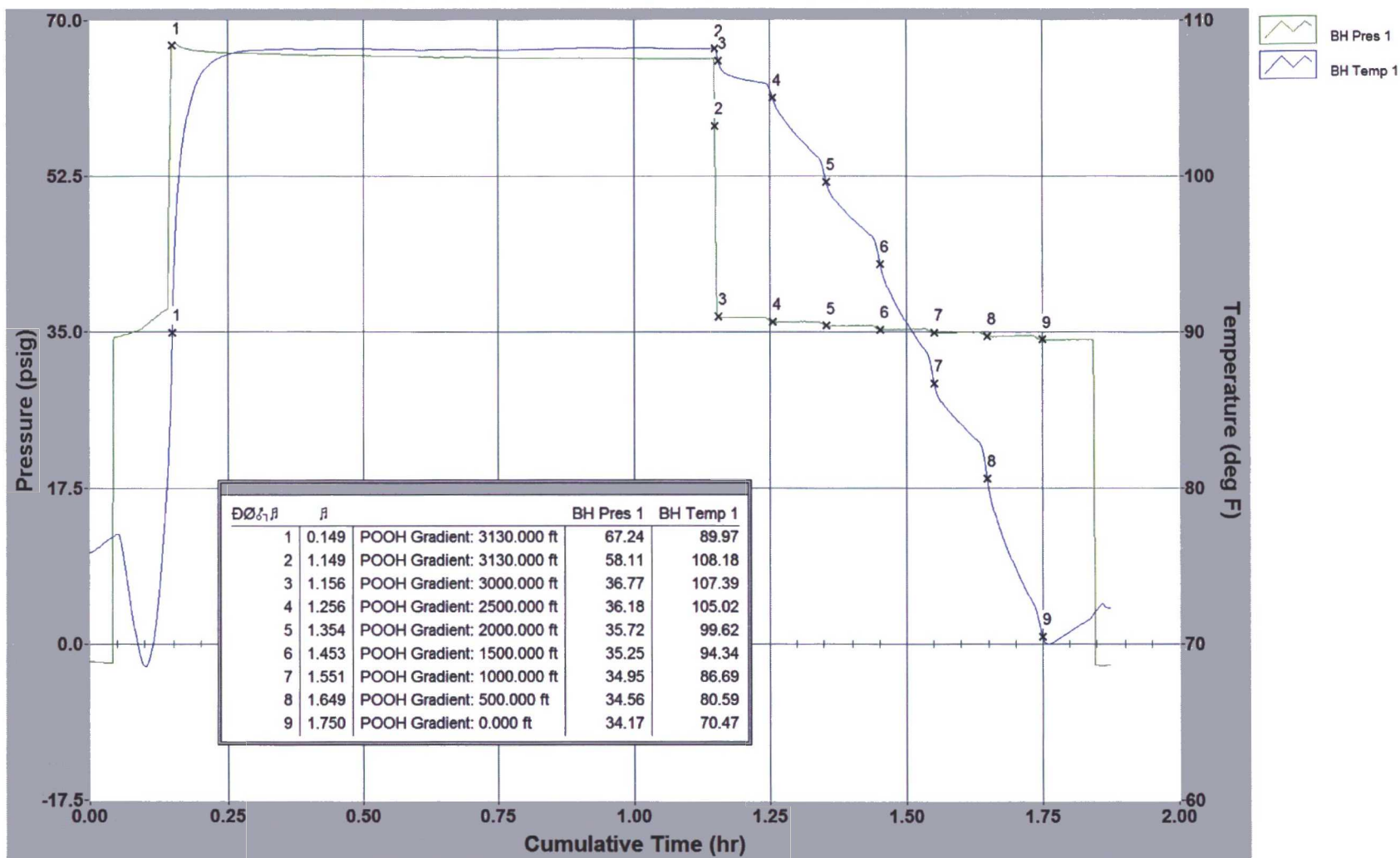
W1036 Depth vs. Temperature



Company Name ConocoPhillips
 Well Name San Juan 30-6 Unit 402 POW
 Type of Test POOH Static Gradient
 Date(s) of Test 5/31/2017



San Juan 30-6 Unit 402 POW



Company Name ConocoPhillips
Well Name San Juan 30-6 Unit 402 POW
Type of Test POOH Static Gradient
Date(s) of Test 5/31/2017



Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2017/05/31	11:07:50	0.0000	-1.909	75.870
2017/05/31	11:08:20	0.0083	-1.956	76.005
2017/05/31	11:08:50	0.0167	-1.981	76.221
2017/05/31	11:09:20	0.0250	-2.047	76.489
2017/05/31	11:09:50	0.0333	-2.089	76.696
2017/05/31	11:10:20	0.0417	-2.115	76.867
2017/05/31	11:10:50	0.0500	34.463	77.070
2017/05/31	11:11:20	0.0583	34.626	76.111
2017/05/31	11:11:50	0.0667	34.726	74.257
2017/05/31	11:12:20	0.0750	34.882	72.309
2017/05/31	11:12:50	0.0833	35.114	70.545
2017/05/31	11:13:20	0.0917	35.326	69.183
2017/05/31	11:13:50	0.1000	35.722	68.574
2017/05/31	11:14:20	0.1083	36.098	69.044
2017/05/31	11:14:50	0.1167	36.562	70.651
2017/05/31	11:15:20	0.1250	36.965	73.287
2017/05/31	11:15:50	0.1333	37.344	76.734
2017/05/31	11:16:20	0.1417	37.634	81.014
POOH Gradient: 3130.000 ft				
2017/05/31	11:16:45	0.1486	67.236	89.967
2017/05/31	11:16:50	0.1500	67.362	91.909
2017/05/31	11:17:20	0.1583	67.307	98.573
2017/05/31	11:17:50	0.1667	66.994	101.615
2017/05/31	11:18:20	0.1750	66.855	103.496
2017/05/31	11:18:50	0.1833	66.727	104.803
2017/05/31	11:19:20	0.1917	66.631	105.741
2017/05/31	11:19:50	0.2000	66.596	106.380
2017/05/31	11:20:20	0.2083	66.538	106.848
2017/05/31	11:20:50	0.2167	66.504	107.173
2017/05/31	11:21:20	0.2250	66.474	107.404
2017/05/31	11:21:50	0.2333	66.411	107.575
2017/05/31	11:22:20	0.2417	66.397	107.713
2017/05/31	11:22:50	0.2500	66.376	107.827
2017/05/31	11:23:20	0.2583	66.357	107.902
2017/05/31	11:23:50	0.2667	66.368	107.960
2017/05/31	11:24:20	0.2750	66.312	108.009
2017/05/31	11:24:50	0.2833	66.305	108.050
2017/05/31	11:25:20	0.2917	66.301	108.070
2017/05/31	11:25:50	0.3000	66.299	108.088
2017/05/31	11:26:20	0.3083	66.266	108.108
2017/05/31	11:26:50	0.3167	66.263	108.111
2017/05/31	11:27:20	0.3250	66.253	108.120
2017/05/31	11:27:50	0.3333	66.241	108.133
2017/05/31	11:28:20	0.3417	66.228	108.149
2017/05/31	11:28:50	0.3500	66.196	108.158
2017/05/31	11:29:20	0.3583	66.156	108.171
2017/05/31	11:29:50	0.3667	66.150	108.171
2017/05/31	11:30:20	0.3750	66.144	108.151
2017/05/31	11:30:50	0.3833	66.136	108.147
2017/05/31	11:31:20	0.3917	66.125	108.147
2017/05/31	11:31:50	0.4000	66.119	108.145
2017/05/31	11:32:20	0.4083	66.105	108.142
2017/05/31	11:32:50	0.4167	66.084	108.163
2017/05/31	11:33:20	0.4250	66.063	108.178

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2017/05/31	11:33:50	0.4333	66.066	108.172
2017/05/31	11:34:20	0.4417	66.072	108.163
2017/05/31	11:34:50	0.4500	66.078	108.167
2017/05/31	11:35:20	0.4583	66.075	108.167
2017/05/31	11:35:50	0.4667	66.076	108.178
2017/05/31	11:36:20	0.4750	66.073	108.190
2017/05/31	11:36:50	0.4833	66.077	108.198
2017/05/31	11:37:20	0.4917	66.069	108.199
2017/05/31	11:37:50	0.5000	66.058	108.190
2017/05/31	11:38:20	0.5083	66.043	108.174
2017/05/31	11:38:50	0.5167	66.042	108.160
2017/05/31	11:39:20	0.5250	66.026	108.151
2017/05/31	11:39:50	0.5333	66.013	108.147
2017/05/31	11:40:20	0.5417	66.019	108.144
2017/05/31	11:40:50	0.5500	66.001	108.154
2017/05/31	11:41:20	0.5583	65.981	108.156
2017/05/31	11:41:50	0.5667	65.984	108.153
2017/05/31	11:42:20	0.5750	65.973	108.147
2017/05/31	11:42:50	0.5833	65.964	108.135
2017/05/31	11:43:20	0.5917	65.970	108.122
2017/05/31	11:43:50	0.6000	65.966	108.108
2017/05/31	11:44:20	0.6083	65.950	108.102
2017/05/31	11:44:50	0.6167	65.935	108.113
2017/05/31	11:45:20	0.6250	65.937	108.122
2017/05/31	11:45:50	0.6333	65.876	108.118
2017/05/31	11:46:20	0.6417	65.878	108.118
2017/05/31	11:46:50	0.6500	65.887	108.117
2017/05/31	11:47:20	0.6583	65.878	108.127
2017/05/31	11:47:50	0.6667	65.856	108.147
2017/05/31	11:48:20	0.6750	65.859	108.144
2017/05/31	11:48:50	0.6833	65.856	108.149
2017/05/31	11:49:20	0.6917	65.892	108.145
2017/05/31	11:49:50	0.7000	65.883	108.131
2017/05/31	11:50:20	0.7083	65.842	108.117
2017/05/31	11:50:50	0.7167	65.841	108.100
2017/05/31	11:51:20	0.7250	65.838	108.106
2017/05/31	11:51:50	0.7333	65.821	108.108
2017/05/31	11:52:20	0.7417	65.825	108.099
2017/05/31	11:52:50	0.7500	65.825	108.093
2017/05/31	11:53:20	0.7583	65.782	108.109
2017/05/31	11:53:50	0.7667	65.788	108.102
2017/05/31	11:54:20	0.7750	65.794	108.093
2017/05/31	11:54:50	0.7833	65.799	108.099
2017/05/31	11:55:20	0.7917	65.793	108.108
2017/05/31	11:55:50	0.8000	65.786	108.117
2017/05/31	11:56:20	0.8083	65.791	108.124
2017/05/31	11:56:50	0.8167	65.788	108.126
2017/05/31	11:57:20	0.8250	65.786	108.118
2017/05/31	11:57:50	0.8333	65.782	108.135
2017/05/31	11:58:20	0.8417	65.755	108.145
2017/05/31	11:58:50	0.8500	65.760	108.153
2017/05/31	11:59:20	0.8583	65.765	108.160
2017/05/31	11:59:50	0.8667	65.741	108.171
2017/05/31	12:00:20	0.8750	65.747	108.171

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Date(s) of Test 5/31/2017



Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2017/05/31	12:00:50	0.8833	65.754	108.185
2017/05/31	12:01:20	0.8917	65.731	108.187
2017/05/31	12:01:50	0.9000	65.725	108.217
2017/05/31	12:02:20	0.9083	65.724	108.226
2017/05/31	12:02:50	0.9167	65.733	108.225
2017/05/31	12:03:20	0.9250	65.738	108.226
2017/05/31	12:03:50	0.9333	65.743	108.214
2017/05/31	12:04:20	0.9417	65.756	108.214
2017/05/31	12:04:50	0.9500	65.745	108.212
2017/05/31	12:05:20	0.9583	65.726	108.210
2017/05/31	12:05:50	0.9667	65.722	108.198
2017/05/31	12:06:20	0.9750	65.725	108.196
2017/05/31	12:06:50	0.9833	65.721	108.201
2017/05/31	12:07:20	0.9917	65.722	108.225
2017/05/31	12:07:50	1.0000	65.721	108.234
2017/05/31	12:08:20	1.0083	65.718	108.232
2017/05/31	12:08:50	1.0167	65.708	108.225
2017/05/31	12:09:20	1.0250	65.697	108.217
2017/05/31	12:09:50	1.0333	65.698	108.208
2017/05/31	12:10:20	1.0417	65.702	108.199
2017/05/31	12:10:50	1.0500	65.703	108.194
2017/05/31	12:11:20	1.0583	65.695	108.187
2017/05/31	12:11:50	1.0667	65.696	108.176
2017/05/31	12:12:20	1.0750	65.690	108.178
2017/05/31	12:12:50	1.0833	65.693	108.183
2017/05/31	12:13:20	1.0917	65.678	108.187
2017/05/31	12:13:50	1.1000	65.671	108.174
2017/05/31	12:14:20	1.1083	65.670	108.181
2017/05/31	12:14:50	1.1167	65.667	108.190
2017/05/31	12:15:20	1.1250	65.657	108.199
2017/05/31	12:15:50	1.1333	65.675	108.189
2017/05/31	12:16:20	1.1417	65.678	108.187
POOH Gradient: 3130.000 ft				
2017/05/31	12:16:45	1.1486	58.106	108.180
2017/05/31	12:16:50	1.1500	48.973	108.149
POOH Gradient: 3000.000 ft				
2017/05/31	12:17:10	1.1556	36.765	107.386
2017/05/31	12:17:20	1.1583	36.658	107.078
2017/05/31	12:17:50	1.1667	36.642	106.659
2017/05/31	12:18:20	1.1750	36.640	106.479
2017/05/31	12:18:50	1.1833	36.620	106.363
2017/05/31	12:19:20	1.1917	36.621	106.275
2017/05/31	12:19:50	1.2000	36.620	106.210
2017/05/31	12:20:20	1.2083	36.623	106.144
2017/05/31	12:20:50	1.2167	36.630	106.099
2017/05/31	12:21:20	1.2250	36.633	106.038
2017/05/31	12:21:50	1.2333	36.633	105.996
2017/05/31	12:22:20	1.2417	36.608	105.940
2017/05/31	12:22:50	1.2500	36.265	105.586
POOH Gradient: 2500.000 ft				
2017/05/31	12:23:10	1.2556	36.183	105.022
2017/05/31	12:23:20	1.2583	36.165	104.743
2017/05/31	12:23:50	1.2667	36.137	104.153
2017/05/31	12:24:20	1.2750	36.171	103.708

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2017/05/31	12:24:50	1.2833	36.182	103.312
2017/05/31	12:25:20	1.2917	36.159	102.943
2017/05/31	12:25:50	1.3000	36.190	102.603
2017/05/31	12:26:20	1.3083	36.185	102.277
2017/05/31	12:26:50	1.3167	36.181	101.971
2017/05/31	12:27:20	1.3250	36.184	101.673
2017/05/31	12:27:50	1.3333	36.162	101.390
2017/05/31	12:28:20	1.3417	36.116	101.093
2017/05/31	12:28:50	1.3500	35.795	100.225
POOH Gradient: 2000.000 ft				
2017/05/31	12:29:05	1.3542	35.724	99.615
2017/05/31	12:29:20	1.3583	35.677	99.147
2017/05/31	12:29:50	1.3667	35.729	98.627
2017/05/31	12:30:20	1.3750	35.702	98.251
2017/05/31	12:30:50	1.3833	35.722	97.927
2017/05/31	12:31:20	1.3917	35.705	97.624
2017/05/31	12:31:50	1.4000	35.733	97.338
2017/05/31	12:32:20	1.4083	35.763	97.057
2017/05/31	12:32:50	1.4167	35.755	96.787
2017/05/31	12:33:20	1.4250	35.728	96.525
2017/05/31	12:33:50	1.4333	35.765	96.273
2017/05/31	12:34:20	1.4417	35.620	95.943
2017/05/31	12:34:50	1.4500	35.336	94.834
POOH Gradient: 1500.000 ft				
2017/05/31	12:35:00	1.4528	35.253	94.343
2017/05/31	12:35:20	1.4583	35.289	93.587
2017/05/31	12:35:50	1.4667	35.290	92.833
2017/05/31	12:36:20	1.4750	35.286	92.214
2017/05/31	12:36:50	1.4833	35.303	91.656
2017/05/31	12:37:20	1.4917	35.289	91.141
2017/05/31	12:37:50	1.5000	35.330	90.658
2017/05/31	12:38:20	1.5083	35.358	90.192
2017/05/31	12:38:50	1.5167	35.391	89.740
2017/05/31	12:39:20	1.5250	35.350	89.317
2017/05/31	12:39:50	1.5333	35.395	88.898
2017/05/31	12:40:20	1.5417	35.183	88.318
2017/05/31	12:40:50	1.5500	34.984	86.949
POOH Gradient: 1000.000 ft				
2017/05/31	12:40:55	1.5514	34.948	86.695
2017/05/31	12:41:20	1.5583	34.896	85.897
2017/05/31	12:41:50	1.5667	34.923	85.422
2017/05/31	12:42:20	1.5750	34.951	85.051
2017/05/31	12:42:50	1.5833	34.967	84.722
2017/05/31	12:43:20	1.5917	34.972	84.407
2017/05/31	12:43:50	1.6000	34.985	84.097
2017/05/31	12:44:20	1.6083	35.012	83.786
2017/05/31	12:44:50	1.6167	34.999	83.485
2017/05/31	12:45:20	1.6250	34.978	83.203
2017/05/31	12:45:50	1.6333	34.988	82.908
2017/05/31	12:46:20	1.6417	34.808	82.157
POOH Gradient: 500.000 ft				
2017/05/31	12:46:45	1.6486	34.557	80.591
2017/05/31	12:46:50	1.6500	34.519	80.269
2017/05/31	12:47:20	1.6583	34.472	78.858

Company Name ConocoPhillips
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Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2017/05/31	12:47:50	1.6667	34.534	77.866
2017/05/31	12:48:20	1.6750	34.541	77.022
2017/05/31	12:48:50	1.6833	34.527	76.258
2017/05/31	12:49:20	1.6917	34.574	75.556
2017/05/31	12:49:50	1.7000	34.580	74.894
2017/05/31	12:50:20	1.7083	34.587	74.269
2017/05/31	12:50:50	1.7167	34.587	73.674
2017/05/31	12:51:20	1.7250	34.622	73.094
2017/05/31	12:51:50	1.7333	34.570	72.549
2017/05/31	12:52:20	1.7417	34.263	71.656
POOH Gradient: 0.000 ft				
2017/05/31	12:52:50	1.7500	34.168	70.475
2017/05/31	12:53:20	1.7583	34.143	70.030
2017/05/31	12:53:50	1.7667	34.124	70.088
2017/05/31	12:54:20	1.7750	34.129	70.245
2017/05/31	12:54:50	1.7833	34.117	70.437
2017/05/31	12:55:20	1.7917	34.133	70.633
2017/05/31	12:55:50	1.8000	34.149	70.819
2017/05/31	12:56:20	1.8083	34.170	71.006
2017/05/31	12:56:50	1.8167	34.143	71.193
2017/05/31	12:57:20	1.8250	34.172	71.370
2017/05/31	12:57:50	1.8333	34.157	71.546
2017/05/31	12:58:20	1.8417	34.141	71.848
2017/05/31	12:58:50	1.8500	-2.329	72.198
2017/05/31	12:59:20	1.8583	-2.423	72.567
2017/05/31	12:59:50	1.8667	-2.366	72.334