

OIL CONS. DIV DIST. 3
MAY 27 2016

Pressure Test Report

COMPANY INFORMATION

Company Name	ConocoPhillips
Representative	Priscilla Shorty
Phone	
Fax	
Address	

E-Mail Address	
Service Company	Expert Downhole Services, Inc.

WELL INFORMATION

Well Name	Quinn #1
Well Location	T31N, R8W, Sec. 17
Field and Pool	Basin Fruitlan Coal
Status (Oil, Gas, Water, Injection)	Observation
Perforated Intervals	3013-3293
Mid-point of Perforated Intervals (MPP)	
Drilling Rig Number	
Elevations	
Kelly Bushing (KB)	12
Casing Flange (CF)	
KB-CF	
Ground Level	6438
Plug Back Total Depth	3571
Total Depth	3617
Production Casing	4 1/2 to 3615
Production Tubing	1 1/2 to 3240

TEST INFORMATION

Type of Test	POOH Static Gradient
Date(s) of Test	5/24/16
Dead-weight Gauge Tubing Pressure	35
Dead-weight Gauge Casing Pressure	0
Shut-in Date (Duration)	
Date / Time on Bottom	5/24/16 @ 1343
Date / Time off Bottom	5/24/16 @ 1443
Probe Serial Number	W1035
Probe Offset from End of Tool String	0-6000
Run Depth at Probe Pressure Port	3269

PRESSURE TEST RESULTS

Maximum Recorded Probe Pressure	43.0 psig
Maximum Recorded Probe Temperature	118.8 deg F
Final Buildup Pressure	
Gradient Survey Information	
Extrapolated Pressure to MPP	
Final Gradient at Depth	
Job Number	

Company Name ConocoPhillips
Well Name Quinn #1
Type of Test POOH Static Gradient
Date(s) of Test 5/24/16



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
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COMMENTS

Reported By

Expert Downhole Services, Inc.

RIH with 1.25 IB and tagged fill @ 3554 WLM. RIH with memory gauge to 3269 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)
		3269.000	37.990	-	118.758	-
1343	1443	3269.000	42.993	-	97.578	-
1443	1448	3000.000	37.853	0.0191	118.366	-0.0773
1449	1454	2500.000	37.266	0.0012	112.431	0.0119
1455	1500	2000.000	36.780	0.0010	105.285	0.0143
1501	1506	1500.000	36.407	0.0007	97.428	0.0157
1507	1512	1000.000	35.784	0.0012	87.771	0.0193
1513	1518	500.000	35.341	0.0009	78.442	0.0187
1519	1524	0.000	34.942	0.0008	69.384	0.0181

Extrapolated to MPP:

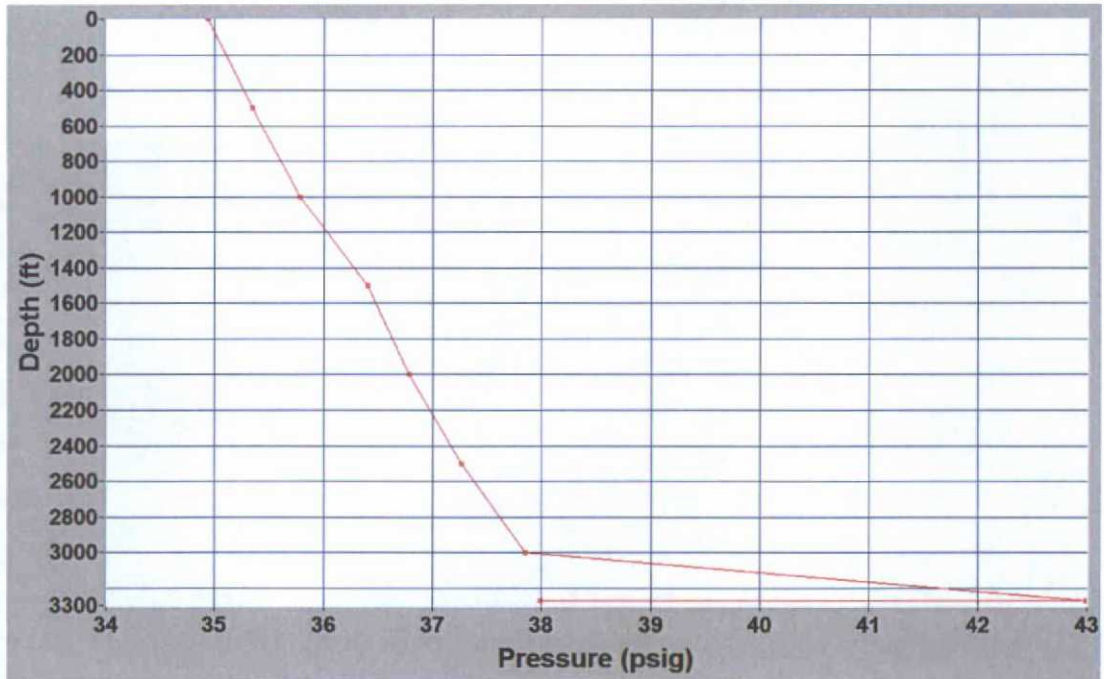
(ft)	(psig)	(deg F)
0.000		

Company Name ConocoPhillips
Well Name Quinn #1
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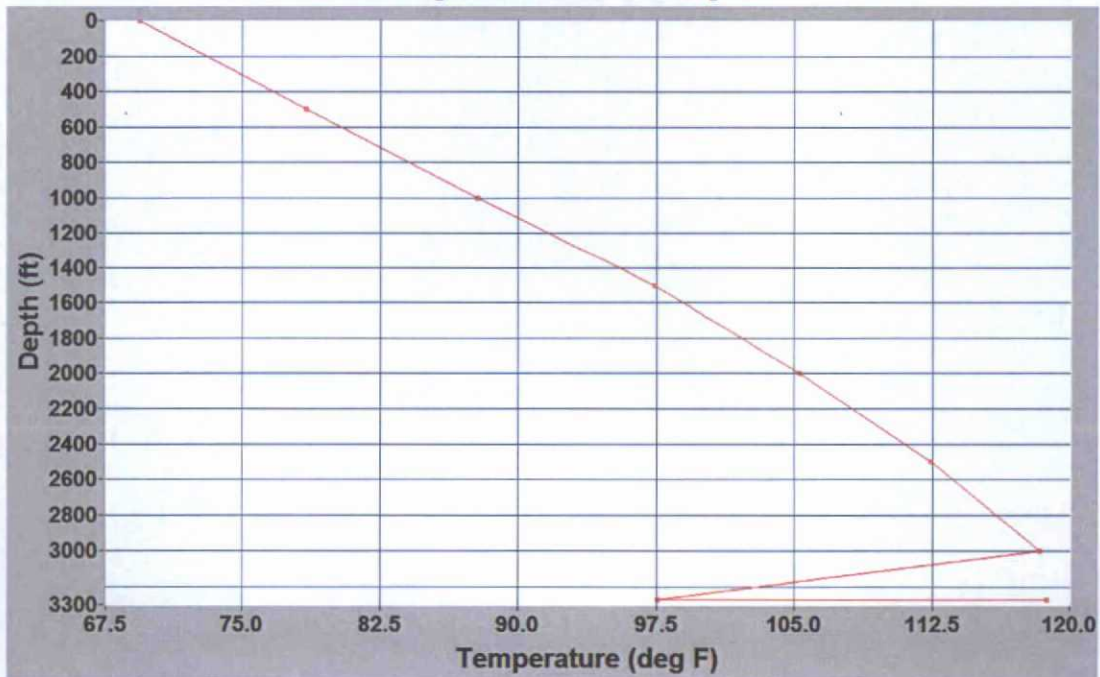


Probe Serial Number W1035

W1035 Depth vs. Pressure



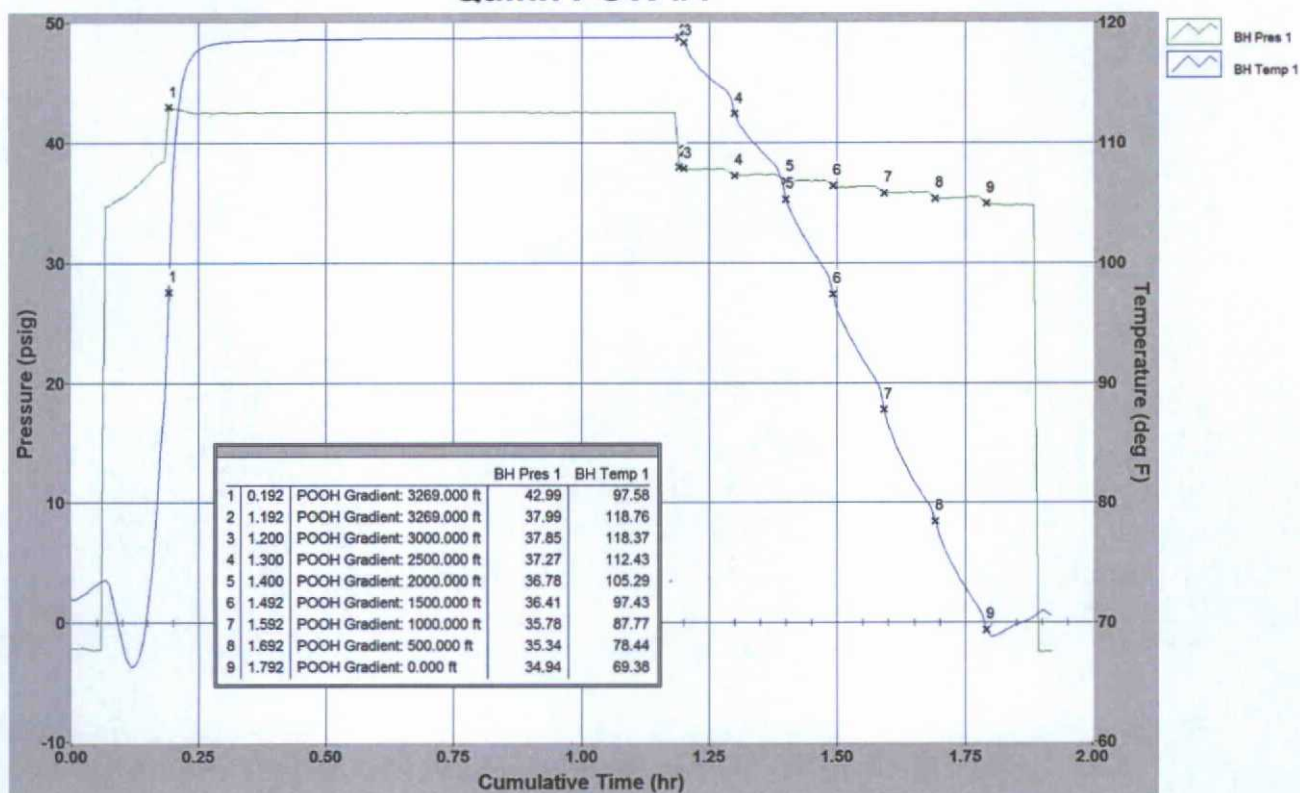
W1035 Depth vs. Temperature



Company Name ConocoPhillips
 Well Name Quinn #1
 Type of Test POOH Static Gradient
 Date(s) of Test 5/24/16



Quinn POW #1



Company Name ConocoPhillips
Well Name Quinn #1
Type of Test POOH Static Gradient
Date(s) of Test 5/24/16



Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2016/05/24	13:31:45	0.0000	-2.130	71.991
2016/05/24	13:32:15	0.0083	-2.130	71.964
2016/05/24	13:32:45	0.0167	-2.083	72.163
2016/05/24	13:33:15	0.0250	-2.133	72.363
2016/05/24	13:33:45	0.0333	-2.197	72.642
2016/05/24	13:34:15	0.0417	-2.268	72.950
2016/05/24	13:34:45	0.0500	-2.214	73.170
2016/05/24	13:35:15	0.0583	-2.204	73.393
2016/05/24	13:35:45	0.0667	34.727	73.598
2016/05/24	13:36:15	0.0750	34.812	73.170
2016/05/24	13:36:45	0.0833	35.080	71.578
2016/05/24	13:37:15	0.0917	35.266	69.831
2016/05/24	13:37:45	0.1000	35.463	68.263
2016/05/24	13:38:15	0.1083	35.708	66.996
2016/05/24	13:38:45	0.1167	35.987	66.310
2016/05/24	13:39:15	0.1250	36.282	66.407
2016/05/24	13:39:45	0.1333	36.590	67.199
2016/05/24	13:40:15	0.1417	36.945	68.720
2016/05/24	13:40:45	0.1500	37.319	71.112
2016/05/24	13:41:15	0.1583	37.735	74.419
2016/05/24	13:41:45	0.1667	38.118	79.012
2016/05/24	13:42:15	0.1750	38.361	84.126
2016/05/24	13:42:45	0.1833	38.575	88.867
POOH Gradient: 3269.000 ft				
2016/05/24	13:43:15	0.1917	42.993	97.578
2016/05/24	13:43:45	0.2000	42.886	107.600
2016/05/24	13:44:15	0.2083	42.811	112.411
2016/05/24	13:44:45	0.2167	42.771	114.874
2016/05/24	13:45:15	0.2250	42.675	116.233
2016/05/24	13:45:45	0.2333	42.567	117.046
2016/05/24	13:46:15	0.2417	42.520	117.527
2016/05/24	13:46:45	0.2500	42.512	117.838
2016/05/24	13:47:15	0.2583	42.553	118.033
2016/05/24	13:47:45	0.2667	42.537	118.173
2016/05/24	13:48:15	0.2750	42.528	118.263
2016/05/24	13:48:45	0.2833	42.535	118.323
2016/05/24	13:49:15	0.2917	42.537	118.373
2016/05/24	13:49:45	0.3000	42.535	118.411
2016/05/24	13:50:15	0.3083	42.531	118.445
2016/05/24	13:50:45	0.3167	42.531	118.467
2016/05/24	13:51:15	0.3250	42.530	118.494
2016/05/24	13:51:45	0.3333	42.532	118.506
2016/05/24	13:52:15	0.3417	42.538	118.526
2016/05/24	13:52:45	0.3500	42.540	118.537
2016/05/24	13:53:15	0.3583	42.538	118.549
2016/05/24	13:53:45	0.3667	42.533	118.562
2016/05/24	13:54:15	0.3750	42.535	118.573
2016/05/24	13:54:45	0.3833	42.537	118.584
2016/05/24	13:55:15	0.3917	42.538	118.594
2016/05/24	13:55:45	0.4000	42.540	118.603
2016/05/24	13:56:15	0.4083	42.543	118.607
2016/05/24	13:56:45	0.4167	42.541	118.614
2016/05/24	13:57:15	0.4250	42.544	118.621
2016/05/24	13:57:45	0.4333	42.547	118.621

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2016/05/24	13:58:15	0.4417	42.546	118.629
2016/05/24	13:58:45	0.4500	42.545	118.636
2016/05/24	13:59:15	0.4583	42.544	118.645
2016/05/24	13:59:45	0.4667	42.546	118.650
2016/05/24	14:00:15	0.4750	42.549	118.648
2016/05/24	14:00:45	0.4833	42.552	118.650
2016/05/24	14:01:15	0.4917	42.551	118.659
2016/05/24	14:01:45	0.5000	42.553	118.661
2016/05/24	14:02:15	0.5083	42.552	118.670
2016/05/24	14:02:45	0.5167	42.550	118.665
2016/05/24	14:03:15	0.5250	42.549	118.674
2016/05/24	14:03:45	0.5333	42.551	118.679
2016/05/24	14:04:15	0.5417	42.549	118.672
2016/05/24	14:04:45	0.5500	42.548	118.681
2016/05/24	14:05:15	0.5583	42.548	118.681
2016/05/24	14:05:45	0.5667	42.551	118.683
2016/05/24	14:06:15	0.5750	42.547	118.688
2016/05/24	14:06:45	0.5833	42.549	118.693
2016/05/24	14:07:15	0.5917	42.549	118.697
2016/05/24	14:07:45	0.6000	42.546	118.693
2016/05/24	14:08:15	0.6083	42.542	118.702
2016/05/24	14:08:45	0.6167	42.545	118.701
2016/05/24	14:09:15	0.6250	42.541	118.708
2016/05/24	14:09:45	0.6333	42.538	118.706
2016/05/24	14:10:15	0.6417	42.534	118.713
2016/05/24	14:10:45	0.6500	42.537	118.715
2016/05/24	14:11:15	0.6583	42.534	118.715
2016/05/24	14:11:45	0.6667	42.537	118.715
2016/05/24	14:12:15	0.6750	42.540	118.715
2016/05/24	14:12:45	0.6833	42.539	118.724
2016/05/24	14:13:15	0.6917	42.543	118.713
2016/05/24	14:13:45	0.7000	42.545	118.724
2016/05/24	14:14:15	0.7083	42.546	118.719
2016/05/24	14:14:45	0.7167	42.546	118.720
2016/05/24	14:15:15	0.7250	42.545	118.724
2016/05/24	14:15:45	0.7333	42.542	118.726
2016/05/24	14:16:15	0.7417	42.544	118.731
2016/05/24	14:16:45	0.7500	42.544	118.729
2016/05/24	14:17:15	0.7583	42.544	118.733
2016/05/24	14:17:45	0.7667	42.544	118.733
2016/05/24	14:18:15	0.7750	42.543	118.737
2016/05/24	14:18:45	0.7833	42.541	118.735
2016/05/24	14:19:15	0.7917	42.538	118.733
2016/05/24	14:19:45	0.8000	42.538	118.735
2016/05/24	14:20:15	0.8083	42.539	118.746
2016/05/24	14:20:45	0.8167	42.537	118.742
2016/05/24	14:21:15	0.8250	42.540	118.742
2016/05/24	14:21:45	0.8333	42.540	118.742
2016/05/24	14:22:15	0.8417	42.543	118.742
2016/05/24	14:22:45	0.8500	42.546	118.742
2016/05/24	14:23:15	0.8583	42.545	118.751
2016/05/24	14:23:45	0.8667	42.545	118.751
2016/05/24	14:24:15	0.8750	42.542	118.747
2016/05/24	14:24:45	0.8833	42.541	118.751

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Date(s) of Test 5/24/16



Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2016/05/24	14:25:15	0.8917	42.538	118.753
2016/05/24	14:25:45	0.9000	42.535	118.756
2016/05/24	14:26:15	0.9083	42.535	118.755
2016/05/24	14:26:45	0.9167	42.535	118.753
2016/05/24	14:27:15	0.9250	42.535	118.756
2016/05/24	14:27:45	0.9333	42.534	118.760
2016/05/24	14:28:15	0.9417	42.537	118.760
2016/05/24	14:28:45	0.9500	42.534	118.762
2016/05/24	14:29:15	0.9583	42.533	118.765
2016/05/24	14:29:45	0.9667	42.534	118.762
2016/05/24	14:30:15	0.9750	42.534	118.758
2016/05/24	14:30:45	0.9833	42.536	118.767
2016/05/24	14:31:15	0.9917	42.537	118.765
2016/05/24	14:31:45	1.0000	42.533	118.767
2016/05/24	14:32:15	1.0083	42.536	118.771
2016/05/24	14:32:45	1.0167	42.533	118.771
2016/05/24	14:33:15	1.0250	42.530	118.771
2016/05/24	14:33:45	1.0333	42.527	118.769
2016/05/24	14:34:15	1.0417	42.523	118.771
2016/05/24	14:34:45	1.0500	42.523	118.773
2016/05/24	14:35:15	1.0583	42.526	118.776
2016/05/24	14:35:45	1.0667	42.530	118.771
2016/05/24	14:36:15	1.0750	42.529	118.776
2016/05/24	14:36:45	1.0833	42.532	118.774
2016/05/24	14:37:15	1.0917	42.528	118.782
2016/05/24	14:37:45	1.1000	42.526	118.778
2016/05/24	14:38:15	1.1083	42.525	118.782
2016/05/24	14:38:45	1.1167	42.524	118.787
2016/05/24	14:39:15	1.1250	42.522	118.782
2016/05/24	14:39:45	1.1333	42.525	118.782
2016/05/24	14:40:15	1.1417	42.528	118.783
2016/05/24	14:40:45	1.1500	42.531	118.787
2016/05/24	14:41:15	1.1583	42.531	118.782
2016/05/24	14:41:45	1.1667	42.533	118.792
2016/05/24	14:42:15	1.1750	42.531	118.785
2016/05/24	14:42:45	1.1833	42.527	118.789
POOH Gradient: 3269.000 ft				
2016/05/24	14:43:15	1.1917	37.990	118.758
POOH Gradient: 3000.000 ft				
2016/05/24	14:43:45	1.2000	37.853	118.366
2016/05/24	14:44:15	1.2083	37.783	117.626
2016/05/24	14:44:45	1.2167	37.799	117.018
2016/05/24	14:45:15	1.2250	37.833	116.521
2016/05/24	14:45:45	1.2333	37.816	116.103
2016/05/24	14:46:15	1.2417	37.869	115.734
2016/05/24	14:46:45	1.2500	37.794	115.408
2016/05/24	14:47:15	1.2583	37.832	115.120
2016/05/24	14:47:45	1.2667	37.848	114.861
2016/05/24	14:48:15	1.2750	37.883	114.624
2016/05/24	14:48:45	1.2833	37.777	114.408
2016/05/24	14:49:15	1.2917	37.487	113.797
POOH Gradient: 2500.000 ft				
2016/05/24	14:49:45	1.3000	37.266	112.431
2016/05/24	14:50:15	1.3083	37.317	111.578

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2016/05/24	14:50:45	1.3167	37.334	111.056
2016/05/24	14:51:15	1.3250	37.302	110.604
2016/05/24	14:51:45	1.3333	37.362	110.183
2016/05/24	14:52:15	1.3417	37.407	109.780
2016/05/24	14:52:45	1.3500	37.439	109.391
2016/05/24	14:53:15	1.3583	37.330	109.017
2016/05/24	14:53:45	1.3667	37.347	108.646
2016/05/24	14:54:15	1.3750	37.399	108.286
2016/05/24	14:54:45	1.3833	37.325	107.919
2016/05/24	14:55:15	1.3917	36.956	106.817
POOH Gradient: 2000.000 ft				
2016/05/24	14:55:45	1.4000	36.780	105.285
2016/05/24	14:56:15	1.4083	36.793	104.382
2016/05/24	14:56:45	1.4167	36.796	103.642
2016/05/24	14:57:15	1.4250	36.854	102.956
2016/05/24	14:57:45	1.4333	36.852	102.310
2016/05/24	14:58:15	1.4417	36.855	101.692
2016/05/24	14:58:45	1.4500	36.824	101.107
2016/05/24	14:59:15	1.4583	36.837	100.549
2016/05/24	14:59:45	1.4667	36.823	100.006
2016/05/24	15:00:15	1.4750	36.881	99.486
2016/05/24	15:00:45	1.4833	36.671	98.859
POOH Gradient: 1500.000 ft				
2016/05/24	15:01:15	1.4917	36.407	97.428
2016/05/24	15:01:45	1.5000	36.268	96.093
2016/05/24	15:02:15	1.5083	36.301	95.241
2016/05/24	15:02:45	1.5167	36.270	94.512
2016/05/24	15:03:15	1.5250	36.275	93.823
2016/05/24	15:03:45	1.5333	36.309	93.171
2016/05/24	15:04:15	1.5417	36.353	92.554
2016/05/24	15:04:45	1.5500	36.332	91.954
2016/05/24	15:05:15	1.5583	36.333	91.382
2016/05/24	15:05:45	1.5667	36.348	90.831
2016/05/24	15:06:15	1.5750	36.340	90.304
2016/05/24	15:06:45	1.5833	36.016	89.443
POOH Gradient: 1000.000 ft				
2016/05/24	15:07:15	1.5917	35.784	87.771
2016/05/24	15:07:45	1.6000	35.786	86.441
2016/05/24	15:08:15	1.6083	35.794	85.478
2016/05/24	15:08:45	1.6167	35.812	84.630
2016/05/24	15:09:15	1.6250	35.804	83.863
2016/05/24	15:09:45	1.6333	35.812	83.143
2016/05/24	15:10:15	1.6417	35.888	82.467
2016/05/24	15:10:45	1.6500	35.796	81.822
2016/05/24	15:11:15	1.6583	35.835	81.223
2016/05/24	15:11:45	1.6667	35.859	80.650
2016/05/24	15:12:15	1.6750	35.894	80.100
2016/05/24	15:12:45	1.6833	35.688	79.560
POOH Gradient: 500.000 ft				
2016/05/24	15:13:15	1.6917	35.341	78.442
2016/05/24	15:13:45	1.7000	35.366	77.126
2016/05/24	15:14:15	1.7083	35.344	76.260
2016/05/24	15:14:45	1.7167	35.350	75.486
2016/05/24	15:15:15	1.7250	35.420	74.782

Company Name ConocoPhillips
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 Date(s) of Test 5/24/16



Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2016/05/24	15:15:45	1.7333	35.415	74.125
2016/05/24	15:16:15	1.7417	35.431	73.494
2016/05/24	15:16:45	1.7500	35.433	72.907
2016/05/24	15:17:15	1.7583	35.490	72.351
2016/05/24	15:17:45	1.7667	35.488	71.816
2016/05/24	15:18:15	1.7750	35.512	71.317
2016/05/24	15:18:45	1.7833	35.177	70.639
POOH Gradient: 0.000 ft				
2016/05/24	15:19:15	1.7917	34.942	69.384
2016/05/24	15:19:45	1.8000	34.875	68.841
2016/05/24	15:20:15	1.8083	34.857	68.918
2016/05/24	15:20:45	1.8167	34.829	69.078
2016/05/24	15:21:15	1.8250	34.803	69.273
2016/05/24	15:21:45	1.8333	34.768	69.469
2016/05/24	15:22:15	1.8417	34.776	69.652
2016/05/24	15:22:45	1.8500	34.839	69.816
2016/05/24	15:23:15	1.8583	34.813	69.962
2016/05/24	15:23:45	1.8667	34.837	70.090
2016/05/24	15:24:15	1.8750	34.813	70.230
2016/05/24	15:24:45	1.8833	34.797	70.446
2016/05/24	15:25:15	1.8917	-2.391	70.731
2016/05/24	15:25:45	1.9000	-2.447	71.011
2016/05/24	15:26:15	1.9083	-2.406	70.842