

62 Allison Unit 1 POW

API # 30-045-11411

OIL CONS. DIV DIST. 3

MAY 25 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	Allison Unit #1 POW
Well Location	T32N, R6W, Sec. 17
Field and Pool	Basin Fruitland Coal
Status (Oil, Gas, Water, Injection)	Observation
Perforated Intervals	3064-3114
Mid-point of Perforated Intervals (MPP)	
Drilling Rig Number	
Elevations	
Kelly Bushing (KB)	
Casing Flange (CF)	
KB-CF	
Ground Level	6547
Plug Back Total Depth	8082
Total Depth	8660
Production Casing	7 to 3240
Production Tubing	2 3/8 to 2989

TEST INFORMATION

Type of Test	POOH Static Gradient
Date(s) of Test	5/19/16
Dead-weight Gauge Tubing Pressure	190
Dead-weight Gauge Casing Pressure	190
Shut-in Date (Duration)	
Date / Time on Bottom	5/19/16@1249
Date / Time off Bottom	5/19/16@1349
Probe Serial Number	W1035
Probe Offset from End of Tool String	0-6000
Run Depth at Probe Pressure Port	3089

PRESSURE TEST RESULTS

Maximum Recorded Probe Pressure	213.5 psig
Maximum Recorded Probe Temperature	116.5 deg F
Final Buildup Pressure	
Gradient Survey Information	
Extrapolated Pressure to MPP	
Final Gradient at Depth	
Job Number	

Company Name ConocoPhillips
Well Name Allison Unit #1 POW
Type of Test POOH Static Gradient
Date(s) of Test 5/19/16



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 1.50 IB and tagged fill @ 3093 WLM. RIH with memory gauge to 3089 for 1 hour, then POOH making 5 minute gradient stops as requested.

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Pressure vs. Depth

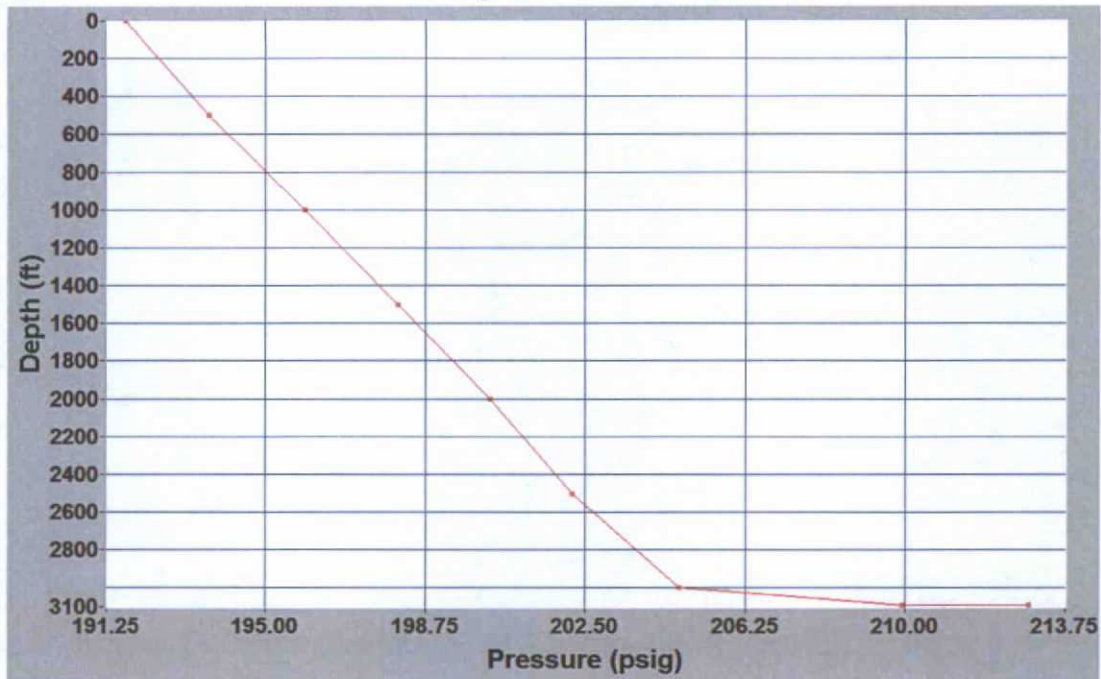
Probe Serial Number W1035

		(ft)	(psig)	(psi/ft)	(deg F)	(deg F/ft)
		3089.000	212.915	-	116.449	-
1249	1349	3089.000	209.926	-	95.634	-
1349	1354	3000.000	204.706	0.0587	116.344	-0.2327
1355	1400	2500.000	202.192	0.0050	112.951	0.0068
1401	1406	2000.000	200.276	0.0038	107.791	0.0103
1407	1412	1500.000	198.114	0.0043	98.137	0.0193
1412	1417	1000.000	195.926	0.0044	88.007	0.0203
1418	1423	500.000	193.665	0.0045	78.424	0.0192
1424	1430	0.000	191.697	0.0039	70.943	0.0150

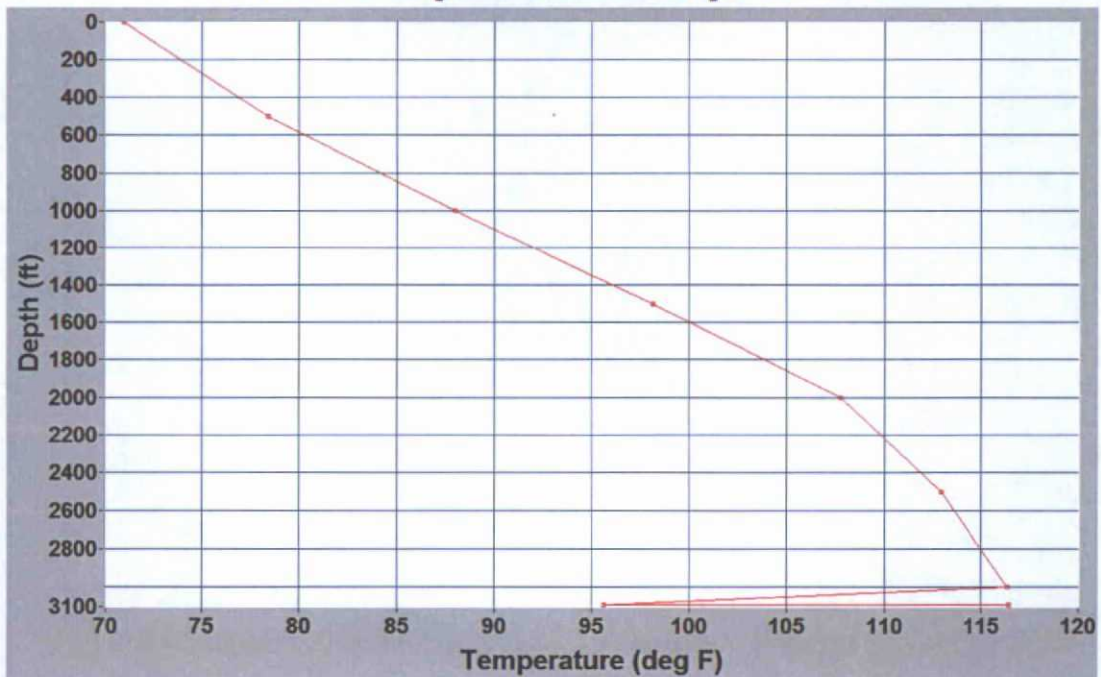
Extrapolated to MPP:

(ft)	(psig)	(deg F)
0.000		

W1035 Depth vs. Pressure



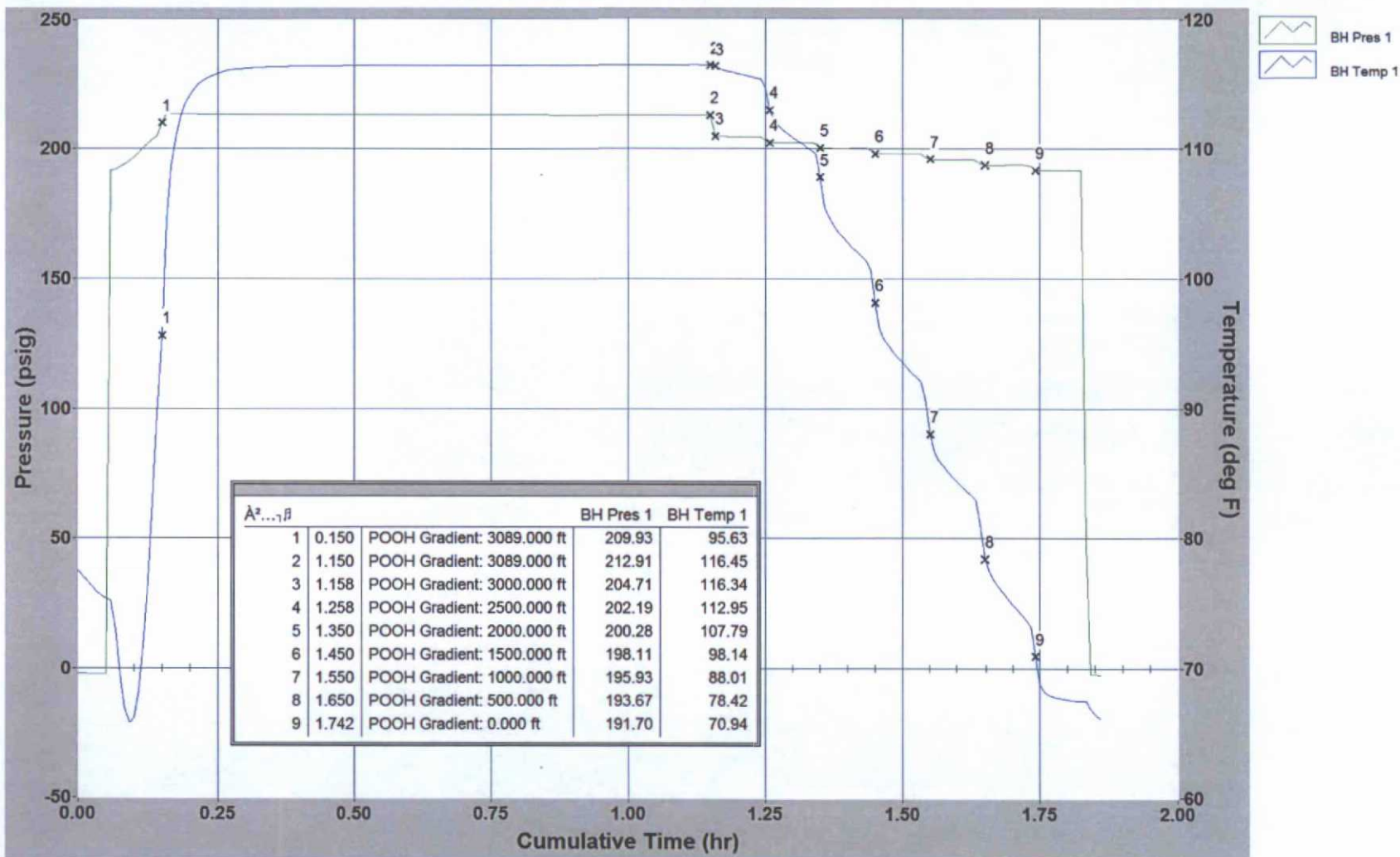
W1035 Depth vs. Temperature



Company Name ConocoPhillips
 Well Name Allison Unit #1 POW
 Type of Test POOH Static Gradient
 Date(s) of Test 5/19/16



Allison Unit #1 POW



Company Name ConocoPhillips
Well Name Allison Unit #1 POW
Type of Test POOH Static Gradient
Date(s) of Test 5/19/16



Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2016/05/19	12:40:00	0.0000	-2.045	77.515
2016/05/19	12:40:30	0.0083	-1.990	77.119
2016/05/19	12:41:00	0.0167	-2.079	76.689
2016/05/19	12:41:30	0.0250	-2.078	76.276
2016/05/19	12:42:00	0.0333	-2.139	75.900
2016/05/19	12:42:30	0.0417	-2.166	75.540
2016/05/19	12:43:00	0.0500	-2.131	75.344
2016/05/19	12:43:30	0.0583	191.454	75.220
2016/05/19	12:44:00	0.0667	191.976	72.995
2016/05/19	12:44:30	0.0750	192.923	69.523
2016/05/19	12:45:00	0.0833	193.923	66.940
2016/05/19	12:45:30	0.0917	195.311	65.809
2016/05/19	12:46:00	0.1000	196.505	66.196
2016/05/19	12:46:30	0.1083	198.303	68.212
2016/05/19	12:47:00	0.1167	200.256	71.735
2016/05/19	12:47:30	0.1250	202.003	76.735
2016/05/19	12:48:00	0.1333	203.574	82.863
2016/05/19	12:48:30	0.1417	204.753	89.627
POOH Gradient: 3089.000 ft				
2016/05/19	12:49:00	0.1500	209.926	95.634
2016/05/19	12:49:30	0.1583	213.493	104.428
2016/05/19	12:50:00	0.1667	213.513	108.649
2016/05/19	12:50:30	0.1750	213.478	110.957
2016/05/19	12:51:00	0.1833	213.469	112.455
2016/05/19	12:51:30	0.1917	213.327	113.452
2016/05/19	12:52:00	0.2000	213.277	114.147
2016/05/19	12:52:30	0.2083	213.295	114.638
2016/05/19	12:53:00	0.2167	213.162	115.007
2016/05/19	12:53:30	0.2250	213.142	115.281
2016/05/19	12:54:00	0.2333	213.153	115.486
2016/05/19	12:54:30	0.2417	213.083	115.666
2016/05/19	12:55:00	0.2500	213.091	115.824
2016/05/19	12:55:30	0.2583	213.063	115.943
2016/05/19	12:56:00	0.2667	213.065	116.015
2016/05/19	12:56:30	0.2750	213.066	116.076
2016/05/19	12:57:00	0.2833	213.041	116.119
2016/05/19	12:57:30	0.2917	213.025	116.152
2016/05/19	12:58:00	0.3000	213.024	116.182
2016/05/19	12:58:30	0.3083	213.023	116.209
2016/05/19	12:59:00	0.3167	213.022	116.240
2016/05/19	12:59:30	0.3250	212.996	116.260
2016/05/19	13:00:00	0.3333	212.994	116.274
2016/05/19	13:00:30	0.3417	212.992	116.290
2016/05/19	13:01:00	0.3500	212.991	116.310
2016/05/19	13:01:30	0.3583	212.988	116.314
2016/05/19	13:02:00	0.3667	212.986	116.325
2016/05/19	13:02:30	0.3750	212.983	116.326
2016/05/19	13:03:00	0.3833	212.987	116.339
2016/05/19	13:03:30	0.3917	212.990	116.348
2016/05/19	13:04:00	0.4000	212.988	116.361
2016/05/19	13:04:30	0.4083	212.985	116.361
2016/05/19	13:05:00	0.4167	212.988	116.362
2016/05/19	13:05:30	0.4250	212.989	116.370
2016/05/19	13:06:00	0.4333	212.989	116.377

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2016/05/19	13:06:30	0.4417	212.986	116.375
2016/05/19	13:07:00	0.4500	212.986	116.380
2016/05/19	13:07:30	0.4583	212.986	116.379
2016/05/19	13:08:00	0.4667	212.987	116.388
2016/05/19	13:08:30	0.4750	213.014	116.389
2016/05/19	13:09:00	0.4833	213.012	116.395
2016/05/19	13:09:30	0.4917	213.009	116.395
2016/05/19	13:10:00	0.5000	213.006	116.400
2016/05/19	13:10:30	0.5083	213.003	116.400
2016/05/19	13:11:00	0.5167	213.000	116.402
2016/05/19	13:11:30	0.5250	213.000	116.404
2016/05/19	13:12:00	0.5333	213.000	116.404
2016/05/19	13:12:30	0.5417	213.003	116.404
2016/05/19	13:13:00	0.5500	213.007	116.409
2016/05/19	13:13:30	0.5583	213.003	116.404
2016/05/19	13:14:00	0.5667	213.003	116.402
2016/05/19	13:14:30	0.5750	213.006	116.406
2016/05/19	13:15:00	0.5833	213.003	116.407
2016/05/19	13:15:30	0.5917	213.007	116.409
2016/05/19	13:16:00	0.6000	213.004	116.407
2016/05/19	13:16:30	0.6083	213.001	116.415
2016/05/19	13:17:00	0.6167	213.004	116.418
2016/05/19	13:17:30	0.6250	213.001	116.416
2016/05/19	13:18:00	0.6333	212.999	116.422
2016/05/19	13:18:30	0.6417	212.998	116.420
2016/05/19	13:19:00	0.6500	212.998	116.418
2016/05/19	13:19:30	0.6583	213.001	116.418
2016/05/19	13:20:00	0.6667	213.004	116.418
2016/05/19	13:20:30	0.6750	213.001	116.416
2016/05/19	13:21:00	0.6833	212.998	116.415
2016/05/19	13:21:30	0.6917	212.998	116.415
2016/05/19	13:22:00	0.7000	212.995	116.422
2016/05/19	13:22:30	0.7083	212.992	116.420
2016/05/19	13:23:00	0.7167	212.981	116.429
2016/05/19	13:23:30	0.7250	212.984	116.429
2016/05/19	13:24:00	0.7333	212.982	116.442
2016/05/19	13:24:30	0.7417	212.978	116.429
2016/05/19	13:25:00	0.7500	212.978	116.436
2016/05/19	13:25:30	0.7583	212.975	116.433
2016/05/19	13:26:00	0.7667	212.972	116.434
2016/05/19	13:26:30	0.7750	212.969	116.442
2016/05/19	13:27:00	0.7833	212.966	116.440
2016/05/19	13:27:30	0.7917	212.963	116.438
2016/05/19	13:28:00	0.8000	212.960	116.436
2016/05/19	13:28:30	0.8083	212.963	116.436
2016/05/19	13:29:00	0.8167	212.963	116.434
2016/05/19	13:29:30	0.8250	212.960	116.440
2016/05/19	13:30:00	0.8333	212.957	116.438
2016/05/19	13:30:30	0.8417	212.960	116.440
2016/05/19	13:31:00	0.8500	212.957	116.436
2016/05/19	13:31:30	0.8583	212.954	116.440
2016/05/19	13:32:00	0.8667	212.954	116.433
2016/05/19	13:32:30	0.8750	212.950	116.433
2016/05/19	13:33:00	0.8833	212.947	116.429

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Date(s) of Test 5/19/16



Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2016/05/19	13:33:30	0.8917	212.944	116.422
2016/05/19	13:34:00	0.9000	212.947	116.420
2016/05/19	13:34:30	0.9083	212.941	116.424
2016/05/19	13:35:00	0.9167	212.941	116.425
2016/05/19	13:35:30	0.9250	212.944	116.429
2016/05/19	13:36:00	0.9333	212.941	116.427
2016/05/19	13:36:30	0.9417	212.935	116.431
2016/05/19	13:37:00	0.9500	212.932	116.427
2016/05/19	13:37:30	0.9583	212.929	116.438
2016/05/19	13:38:00	0.9667	212.932	116.436
2016/05/19	13:38:30	0.9750	212.929	116.433
2016/05/19	13:39:00	0.9833	212.929	116.436
2016/05/19	13:39:30	0.9917	212.926	116.438
2016/05/19	13:40:00	1.0000	212.927	116.440
2016/05/19	13:40:30	1.0083	212.926	116.434
2016/05/19	13:41:00	1.0167	212.924	116.443
2016/05/19	13:41:30	1.0250	212.923	116.438
2016/05/19	13:42:00	1.0333	212.927	116.445
2016/05/19	13:42:30	1.0417	212.924	116.440
2016/05/19	13:43:00	1.0500	212.920	116.436
2016/05/19	13:43:30	1.0583	212.924	116.440
2016/05/19	13:44:00	1.0667	212.923	116.436
2016/05/19	13:44:30	1.0750	212.926	116.433
2016/05/19	13:45:00	1.0833	212.927	116.440
2016/05/19	13:45:30	1.0917	212.930	116.440
2016/05/19	13:46:00	1.1000	212.927	116.445
2016/05/19	13:46:30	1.1083	212.924	116.443
2016/05/19	13:47:00	1.1167	212.921	116.451
2016/05/19	13:47:30	1.1250	212.922	116.458
2016/05/19	13:48:00	1.1333	212.918	116.447
2016/05/19	13:48:30	1.1417	212.918	116.449
POOH Gradient: 3089.000 ft				
2016/05/19	13:49:00	1.1500	212.915	116.449
POOH Gradient: 3000.000 ft				
2016/05/19	13:49:30	1.1583	204.706	116.344
2016/05/19	13:50:00	1.1667	204.609	116.157
2016/05/19	13:50:30	1.1750	204.599	116.031
2016/05/19	13:51:00	1.1833	204.542	115.938
2016/05/19	13:51:30	1.1917	204.533	115.849
2016/05/19	13:52:00	1.2000	204.528	115.759
2016/05/19	13:52:30	1.2083	204.523	115.682
2016/05/19	13:53:00	1.2167	204.518	115.594
2016/05/19	13:53:30	1.2250	204.511	115.518
2016/05/19	13:54:00	1.2333	204.503	115.443
2016/05/19	13:54:30	1.2417	204.359	115.365
2016/05/19	13:55:00	1.2500	202.959	114.649
POOH Gradient: 2500.000 ft				
2016/05/19	13:55:30	1.2583	202.192	112.951
2016/05/19	13:56:00	1.2667	202.149	112.131
2016/05/19	13:56:30	1.2750	202.130	111.722
2016/05/19	13:57:00	1.2833	202.111	111.407
2016/05/19	13:57:30	1.2917	202.099	111.124
2016/05/19	13:58:00	1.3000	202.088	110.853
2016/05/19	13:58:30	1.3083	202.081	110.608

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2016/05/19	13:59:00	1.3167	202.099	110.363
2016/05/19	13:59:30	1.3250	202.089	110.125
2016/05/19	14:00:00	1.3333	202.105	109.902
2016/05/19	14:00:30	1.3417	201.782	109.611
POOH Gradient: 2000.000 ft				
2016/05/19	14:01:00	1.3500	200.276	107.791
2016/05/19	14:01:30	1.3583	200.141	105.512
2016/05/19	14:02:00	1.3667	200.097	104.601
2016/05/19	14:02:30	1.3750	200.075	104.036
2016/05/19	14:03:00	1.3833	200.058	103.564
2016/05/19	14:03:30	1.3917	200.064	103.152
2016/05/19	14:04:00	1.4000	200.050	102.754
2016/05/19	14:04:30	1.4083	200.136	102.378
2016/05/19	14:05:00	1.4167	200.121	102.029
2016/05/19	14:05:30	1.4250	200.136	101.689
2016/05/19	14:06:00	1.4333	200.120	101.365
2016/05/19	14:06:30	1.4417	199.363	100.675
POOH Gradient: 1500.000 ft				
2016/05/19	14:07:00	1.4500	198.114	98.137
2016/05/19	14:07:30	1.4583	198.036	96.139
2016/05/19	14:08:00	1.4667	198.012	95.362
2016/05/19	14:08:30	1.4750	197.997	94.824
2016/05/19	14:09:00	1.4833	197.978	94.354
2016/05/19	14:09:30	1.4917	197.967	93.927
2016/05/19	14:10:00	1.5000	197.954	93.529
2016/05/19	14:10:30	1.5083	197.944	93.146
2016/05/19	14:11:00	1.5167	197.959	92.777
2016/05/19	14:11:30	1.5250	197.950	92.433
2016/05/19	14:12:00	1.5333	197.943	92.100
2016/05/19	14:12:30	1.5417	196.722	90.802
POOH Gradient: 1000.000 ft				
2016/05/19	14:13:00	1.5500	195.926	88.007
2016/05/19	14:13:30	1.5583	195.829	86.646
2016/05/19	14:14:00	1.5667	195.816	86.013
2016/05/19	14:14:30	1.5750	195.807	85.530
2016/05/19	14:15:00	1.5833	195.794	85.109
2016/05/19	14:15:30	1.5917	195.788	84.718
2016/05/19	14:16:00	1.6000	195.779	84.342
2016/05/19	14:16:30	1.6083	195.768	83.997
2016/05/19	14:17:00	1.6167	195.757	83.656
2016/05/19	14:17:30	1.6250	195.758	83.336
2016/05/19	14:18:00	1.6333	195.576	83.007
2016/05/19	14:18:30	1.6417	194.132	81.059
POOH Gradient: 500.000 ft				
2016/05/19	14:19:00	1.6500	193.665	78.424
2016/05/19	14:19:30	1.6583	193.645	77.378
2016/05/19	14:20:00	1.6667	193.635	76.771
2016/05/19	14:20:30	1.6750	193.630	76.264
2016/05/19	14:21:00	1.6833	193.626	75.799
2016/05/19	14:21:30	1.6917	193.683	75.364
2016/05/19	14:22:00	1.7000	193.679	74.939
2016/05/19	14:22:30	1.7083	193.673	74.536
2016/05/19	14:23:00	1.7167	193.670	74.138
2016/05/19	14:23:30	1.7250	193.616	73.753

Company Name ConocoPhillips
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Type of Test POOH Static Gradient
Date(s) of Test 5/19/16



Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2016/05/19	14:24:00	1.7333	193.152	73.180
POOH Gradient: 0.000 ft				
2016/05/19	14:24:30	1.7417	191.697	70.943
2016/05/19	14:25:00	1.7500	191.630	68.754
2016/05/19	14:25:30	1.7583	191.522	68.162
2016/05/19	14:26:00	1.7667	191.442	67.941
2016/05/19	14:26:30	1.7750	191.438	67.818
2016/05/19	14:27:00	1.7833	191.435	67.734
2016/05/19	14:27:30	1.7917	191.431	67.662
2016/05/19	14:28:00	1.8000	191.434	67.611
2016/05/19	14:28:30	1.8083	191.436	67.563
2016/05/19	14:29:00	1.8167	191.439	67.518
2016/05/19	14:29:30	1.8250	191.441	67.485
2016/05/19	14:30:00	1.8333	48.228	67.491
2016/05/19	14:30:30	1.8417	-2.246	66.877
2016/05/19	14:31:00	1.8500	-2.260	66.511