

32 SJ 32-7 Unit 203
ARI# 30-04S-274S8

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	San Juan 32-7 Unit 203
Well Location	T32N, R7W, Sec 22
Field and Pool	Fruitland Coal
Status (Oil, Gas, Water, Injection)	Observation
Perforated Intervals	3205-3240
Mid-point of Perforated Intervals (MPP)	
Drilling Rig Number	
Elevations	
Kelly Bushing (KB)	13
Casing Flange (CF)	
KB-CF	
Ground Level	6624
Plug Back Total Depth	3305
Total Depth	3349
Production Casing	7 to 3349
Production Tubing	2 7/8 to 3288

TEST INFORMATION

Type of Test	POOH Static Gradient
Date(s) of Test	5/20/2016
Dead-weight Gauge Tubing Pressure	20
Dead-weight Gauge Casing Pressure	0
Shut-in Date (Duration)	
Date / Time on Bottom	5/20/16@0859
Date / Time off Bottom	5/20/16@0959
Probe Serial Number	W1036
Probe Offset from End of Tool String	0-6000
Run Depth at Probe Pressure Port	3223

PRESSURE TEST RESULTS

Maximum Recorded Probe Pressure	89.3 psig
Maximum Recorded Probe Temperature	116.7 deg F
Final Buildup Pressure	
Gradient Survey Information	
Extrapolated Pressure to MPP	
Final Gradient at Depth	
Job Number	

ConocoPhillips
San Juan 32-7 Unit 203
POOH Static Gradient
5/20/2016



PROBE INFORMATION

Probe Serial Number

W1036

Model

Pressure

Calibrated Pressure Range

Accuracy

0.000

Resolution

0

Temperature

Calibrated Temperature Range

Accuracy

Resolution

Calibration File Used for Reports

PROGRAMMING DETAILS

Step	Sample Mode	Period	Duration	Comment
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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 32-7 Unit 203
Type of Test	POOH Static Gradient
Date(s) of Test	5/20/2016



COMMENTS

Reported By

Expert Downhole Services, Inc.

RIH with 1.75 IB and tagged fill @ 3310 WLM. RIH with memory gauge to 3223 for 1 hour, then POOH making 5 minute gradient stops as requested.

Company Name ConocoPhillips
 Well Name San Juan 32-7 Unit 203
 Type of Test POOH Static Gradient
 Date(s) of Test 5/20/2016



Pressure vs. Depth

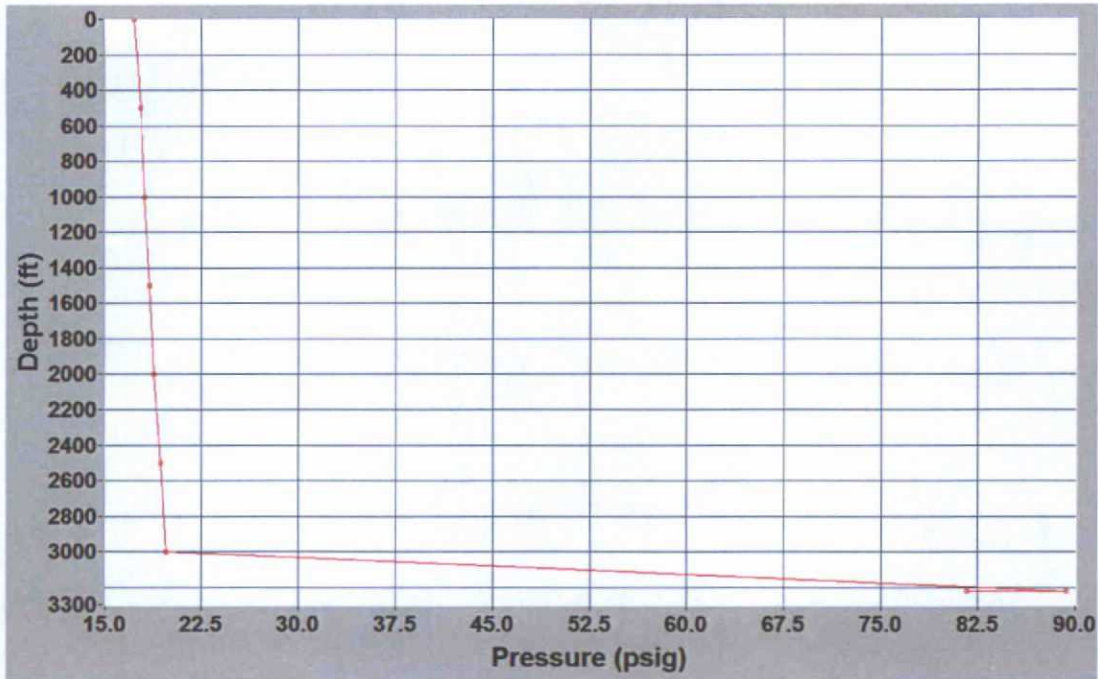
Probe Serial Number W1036

		(ft)	(psig)	(psi/ft)	(deg F)	(deg F/ft)
		3223.000	81.625	-	116.663	-
0859	0959	3223.000	89.319	-	98.289	-
1000	1005	3000.000	19.826	0.3116	115.140	-0.0756
1006	1011	2500.000	19.376	0.0009	111.951	0.0064
1012	1017	2000.000	18.860	0.0010	106.938	0.0100
1017	1022	1500.000	18.524	0.0007	102.538	0.0088
1023	1028	1000.000	18.140	0.0008	96.456	0.0122
1029	1034	500.000	17.760	0.0008	90.304	0.0123
1035	1041	0.000	17.330	0.0009	84.211	0.0122

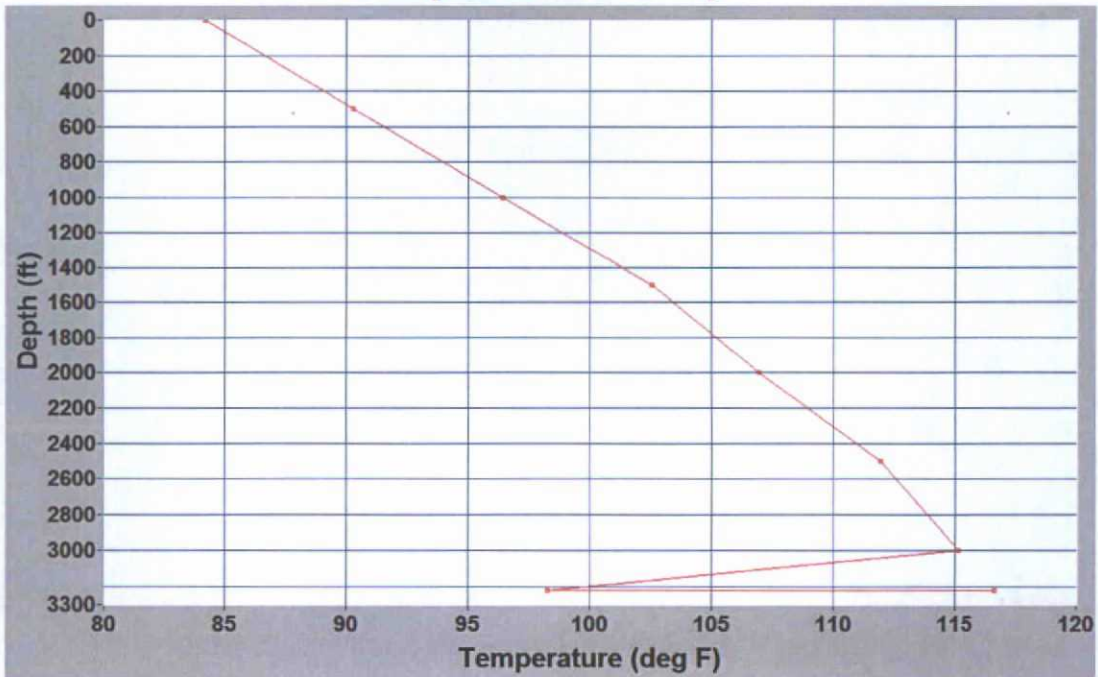
Extrapolated to MPP:

(ft)	(psig)	(deg F)
0.000		

W1036 Depth vs. Pressure



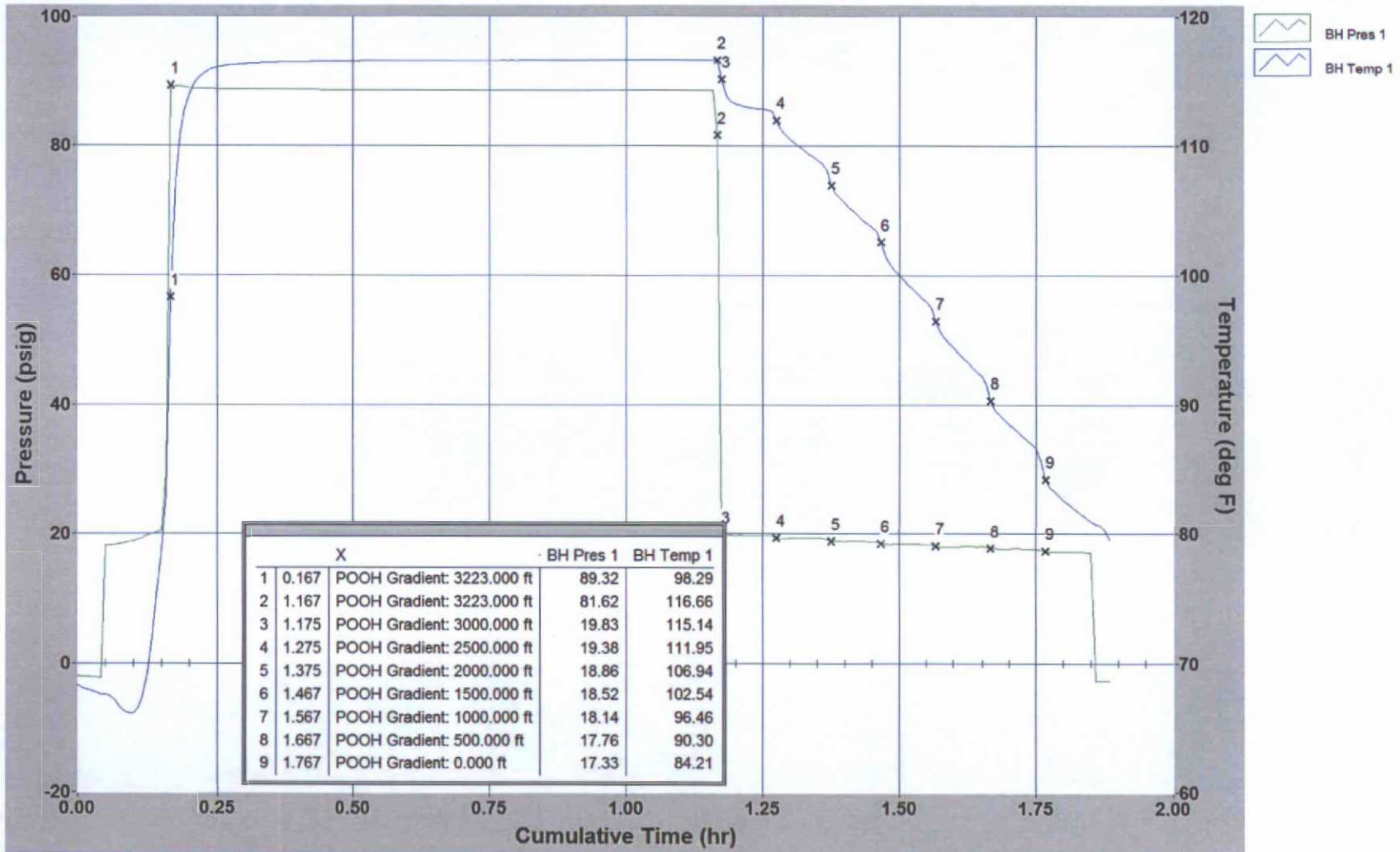
W1036 Depth vs. Temperature



Company Name ConocoPhillips
 Well Name San Juan 32-7 Unit 203
 Type of Test POOH Static Gradient
 Date(s) of Test 5/20/2016



San Juan 32-7 Unit #203



Company Name ConocoPhillips
Well Name San Juan 32-7 Unit 203
Type of Test POOH Static Gradient
Date(s) of Test 5/20/2016



Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2016/05/20	08:49:35	0.0000	-1.935	68.322
2016/05/20	08:50:05	0.0083	-1.964	68.140
2016/05/20	08:50:35	0.0167	-2.012	67.982
2016/05/20	08:51:05	0.0250	-2.066	67.908
2016/05/20	08:51:35	0.0333	-2.075	67.755
2016/05/20	08:52:05	0.0417	-2.185	67.615
2016/05/20	08:52:35	0.0500	18.234	67.591
2016/05/20	08:53:05	0.0583	18.289	67.507
2016/05/20	08:53:35	0.0667	18.397	67.131
2016/05/20	08:54:05	0.0750	18.505	66.681
2016/05/20	08:54:35	0.0833	18.616	66.333
2016/05/20	08:55:05	0.0917	18.804	66.144
2016/05/20	08:55:35	0.1000	18.973	66.175
2016/05/20	08:56:05	0.1083	19.103	66.540
2016/05/20	08:56:35	0.1167	19.360	67.433
2016/05/20	08:57:05	0.1250	19.775	69.300
2016/05/20	08:57:35	0.1333	20.090	71.973
2016/05/20	08:58:05	0.1417	20.312	75.330
2016/05/20	08:58:35	0.1500	20.484	78.859
2016/05/20	08:59:05	0.1583	29.455	83.016
POOH Gradient: 3223.000 ft				
2016/05/20	08:59:35	0.1667	89.319	98.289
2016/05/20	09:00:05	0.1750	89.187	107.260
2016/05/20	09:00:35	0.1833	89.172	110.784
2016/05/20	09:01:05	0.1917	89.030	112.784
2016/05/20	09:01:35	0.2000	88.943	114.017
2016/05/20	09:02:05	0.2083	88.856	114.780
2016/05/20	09:02:35	0.2167	88.820	115.257
2016/05/20	09:03:05	0.2250	88.795	115.578
2016/05/20	09:03:35	0.2333	88.777	115.797
2016/05/20	09:04:05	0.2417	88.764	115.950
2016/05/20	09:04:35	0.2500	88.754	116.058
2016/05/20	09:05:05	0.2583	88.745	116.150
2016/05/20	09:05:35	0.2667	88.739	116.202
2016/05/20	09:06:05	0.2750	88.732	116.254
2016/05/20	09:06:35	0.2833	88.728	116.274
2016/05/20	09:07:05	0.2917	88.724	116.301
2016/05/20	09:07:35	0.3000	88.719	116.326
2016/05/20	09:08:05	0.3083	88.715	116.343
2016/05/20	09:08:35	0.3167	88.711	116.361
2016/05/20	09:09:05	0.3250	88.707	116.386
2016/05/20	09:09:35	0.3333	88.703	116.400
2016/05/20	09:10:05	0.3417	88.702	116.411
2016/05/20	09:10:35	0.3500	88.676	116.422
2016/05/20	09:11:05	0.3583	88.669	116.438
2016/05/20	09:11:35	0.3667	88.668	116.451
2016/05/20	09:12:05	0.3750	88.665	116.465
2016/05/20	09:12:35	0.3833	88.665	116.465
2016/05/20	09:13:05	0.3917	88.663	116.483
2016/05/20	09:13:35	0.4000	88.660	116.485
2016/05/20	09:14:05	0.4083	88.657	116.494
2016/05/20	09:14:35	0.4167	88.657	116.499
2016/05/20	09:15:05	0.4250	88.653	116.510
2016/05/20	09:15:35	0.4333	88.650	116.515

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2016/05/20	09:16:05	0.4417	88.646	116.526
2016/05/20	09:16:35	0.4500	88.643	116.535
2016/05/20	09:17:05	0.4583	88.640	116.532
2016/05/20	09:17:35	0.4667	88.637	116.541
2016/05/20	09:18:05	0.4750	88.636	116.548
2016/05/20	09:18:35	0.4833	88.636	116.550
2016/05/20	09:19:05	0.4917	88.633	116.551
2016/05/20	09:19:35	0.5000	88.633	116.553
2016/05/20	09:20:05	0.5083	88.630	116.560
2016/05/20	09:20:35	0.5167	88.627	116.568
2016/05/20	09:21:05	0.5250	88.624	116.562
2016/05/20	09:21:35	0.5333	88.621	116.566
2016/05/20	09:22:05	0.5417	88.618	116.571
2016/05/20	09:22:35	0.5500	88.618	116.569
2016/05/20	09:23:05	0.5583	88.618	116.569
2016/05/20	09:23:35	0.5667	88.614	116.580
2016/05/20	09:24:05	0.5750	88.611	116.586
2016/05/20	09:24:35	0.5833	88.609	116.577
2016/05/20	09:25:05	0.5917	88.606	116.580
2016/05/20	09:25:35	0.6000	88.606	116.586
2016/05/20	09:26:05	0.6083	88.603	116.587
2016/05/20	09:26:35	0.6167	88.603	116.586
2016/05/20	09:27:05	0.6250	88.602	116.595
2016/05/20	09:27:35	0.6333	88.599	116.595
2016/05/20	09:28:05	0.6417	88.596	116.602
2016/05/20	09:28:35	0.6500	88.593	116.600
2016/05/20	09:29:05	0.6583	88.593	116.604
2016/05/20	09:29:35	0.6667	88.590	116.607
2016/05/20	09:30:05	0.6750	88.593	116.607
2016/05/20	09:30:35	0.6833	88.593	116.602
2016/05/20	09:31:05	0.6917	88.593	116.602
2016/05/20	09:31:35	0.7000	88.590	116.607
2016/05/20	09:32:05	0.7083	88.588	116.602
2016/05/20	09:32:35	0.7167	88.584	116.611
2016/05/20	09:33:05	0.7250	88.581	116.611
2016/05/20	09:33:35	0.7333	88.581	116.614
2016/05/20	09:34:05	0.7417	88.578	116.613
2016/05/20	09:34:35	0.7500	88.576	116.607
2016/05/20	09:35:05	0.7583	88.576	116.609
2016/05/20	09:35:35	0.7667	88.576	116.611
2016/05/20	09:36:05	0.7750	88.572	116.622
2016/05/20	09:36:35	0.7833	88.572	116.616
2016/05/20	09:37:05	0.7917	88.575	116.620
2016/05/20	09:37:35	0.8000	88.575	116.614
2016/05/20	09:38:05	0.8083	88.572	116.618
2016/05/20	09:38:35	0.8167	88.569	116.620
2016/05/20	09:39:05	0.8250	88.569	116.627
2016/05/20	09:39:35	0.8333	88.572	116.623
2016/05/20	09:40:05	0.8417	88.572	116.627
2016/05/20	09:40:35	0.8500	88.572	116.627
2016/05/20	09:41:05	0.8583	88.569	116.627
2016/05/20	09:41:35	0.8667	88.568	116.634
2016/05/20	09:42:05	0.8750	88.568	116.632
2016/05/20	09:42:35	0.8833	88.569	116.629

Company Name ConocoPhillips
Well Name San Juan 32-7 Unit 203
Type of Test POOH Static Gradient
Date(s) of Test 5/20/2016



Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2016/05/20	09:43:05	0.8917	88.566	116.632
2016/05/20	09:43:35	0.9000	88.565	116.640
2016/05/20	09:44:05	0.9083	88.562	116.643
2016/05/20	09:44:35	0.9167	88.565	116.636
2016/05/20	09:45:05	0.9250	88.565	116.638
2016/05/20	09:45:35	0.9333	88.568	116.638
2016/05/20	09:46:05	0.9417	88.565	116.641
2016/05/20	09:46:35	0.9500	88.568	116.645
2016/05/20	09:47:05	0.9583	88.565	116.649
2016/05/20	09:47:35	0.9667	88.567	116.656
2016/05/20	09:48:05	0.9750	88.567	116.649
2016/05/20	09:48:35	0.9833	88.570	116.649
2016/05/20	09:49:05	0.9917	88.570	116.654
2016/05/20	09:49:35	1.0000	88.567	116.654
2016/05/20	09:50:05	1.0083	88.570	116.652
2016/05/20	09:50:35	1.0167	88.573	116.647
2016/05/20	09:51:05	1.0250	88.553	116.656
2016/05/20	09:51:35	1.0333	88.550	116.661
2016/05/20	09:52:05	1.0417	88.546	116.667
2016/05/20	09:52:35	1.0500	88.544	116.656
2016/05/20	09:53:05	1.0583	88.544	116.659
2016/05/20	09:53:35	1.0667	88.547	116.661
2016/05/20	09:54:05	1.0750	88.544	116.661
2016/05/20	09:54:35	1.0833	88.541	116.667
2016/05/20	09:55:05	1.0917	88.541	116.661
2016/05/20	09:55:35	1.1000	88.541	116.665
2016/05/20	09:56:05	1.1083	88.544	116.659
2016/05/20	09:56:35	1.1167	88.544	116.665
2016/05/20	09:57:05	1.1250	88.544	116.663
2016/05/20	09:57:35	1.1333	88.543	116.668
2016/05/20	09:58:05	1.1417	88.543	116.668
2016/05/20	09:58:35	1.1500	88.544	116.668
2016/05/20	09:59:05	1.1583	88.546	116.668
POOH Gradient: 3223.000 ft				
2016/05/20	09:59:35	1.1667	81.625	116.663
POOH Gradient: 3000.000 ft				
2016/05/20	10:00:05	1.1750	19.826	115.140
2016/05/20	10:00:35	1.1833	19.712	113.779
2016/05/20	10:01:05	1.1917	19.767	113.400
2016/05/20	10:01:35	1.2000	19.749	113.223
2016/05/20	10:02:05	1.2083	19.763	113.119
2016/05/20	10:02:35	1.2167	19.747	113.038
2016/05/20	10:03:05	1.2250	19.757	112.971
2016/05/20	10:03:35	1.2333	19.709	112.921
2016/05/20	10:04:05	1.2417	19.717	112.867
2016/05/20	10:04:35	1.2500	19.718	112.822
2016/05/20	10:05:05	1.2583	19.722	112.779
2016/05/20	10:05:35	1.2667	19.671	112.654
POOH Gradient: 2500.000 ft				
2016/05/20	10:06:05	1.2750	19.376	111.951
2016/05/20	10:06:35	1.2833	19.266	111.254
2016/05/20	10:07:05	1.2917	19.278	110.854
2016/05/20	10:07:35	1.3000	19.329	110.512
2016/05/20	10:08:05	1.3083	19.325	110.203

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2016/05/20	10:08:35	1.3167	19.326	109.913
2016/05/20	10:09:05	1.3250	19.368	109.634
2016/05/20	10:09:35	1.3333	19.351	109.375
2016/05/20	10:10:05	1.3417	19.362	109.125
2016/05/20	10:10:35	1.3500	19.341	108.894
2016/05/20	10:11:05	1.3583	19.366	108.664
2016/05/20	10:11:35	1.3667	19.108	108.111
POOH Gradient: 2000.000 ft				
2016/05/20	10:12:05	1.3750	18.860	106.938
2016/05/20	10:12:35	1.3833	18.891	106.306
2016/05/20	10:13:05	1.3917	18.873	105.910
2016/05/20	10:13:35	1.4000	18.831	105.557
2016/05/20	10:14:05	1.4083	18.875	105.208
2016/05/20	10:14:35	1.4167	18.893	104.882
2016/05/20	10:15:05	1.4250	18.877	104.562
2016/05/20	10:15:35	1.4333	18.889	104.252
2016/05/20	10:16:05	1.4417	18.837	103.950
2016/05/20	10:16:35	1.4500	18.855	103.662
2016/05/20	10:17:05	1.4583	18.828	103.372
POOH Gradient: 1500.000 ft				
2016/05/20	10:17:35	1.4667	18.524	102.538
2016/05/20	10:18:05	1.4750	18.443	101.390
2016/05/20	10:18:35	1.4833	18.407	100.825
2016/05/20	10:19:05	1.4917	18.479	100.395
2016/05/20	10:19:35	1.5000	18.456	99.999
2016/05/20	10:20:05	1.5083	18.472	99.622
2016/05/20	10:20:35	1.5167	18.439	99.255
2016/05/20	10:21:05	1.5250	18.431	98.901
2016/05/20	10:21:35	1.5333	18.419	98.564
2016/05/20	10:22:05	1.5417	18.357	98.220
2016/05/20	10:22:35	1.5500	18.414	97.900
2016/05/20	10:23:05	1.5583	18.364	97.511
POOH Gradient: 1000.000 ft				
2016/05/20	10:23:35	1.5667	18.140	96.456
2016/05/20	10:24:05	1.5750	18.028	95.574
2016/05/20	10:24:35	1.5833	18.061	95.104
2016/05/20	10:25:05	1.5917	18.007	94.714
2016/05/20	10:25:35	1.6000	18.073	94.336
2016/05/20	10:26:05	1.6083	18.027	93.969
2016/05/20	10:26:35	1.6167	18.084	93.609
2016/05/20	10:27:05	1.6250	18.113	93.259
2016/05/20	10:27:35	1.6333	18.140	92.901
2016/05/20	10:28:05	1.6417	18.051	92.561
2016/05/20	10:28:35	1.6500	18.105	92.223
2016/05/20	10:29:05	1.6583	17.970	91.620
POOH Gradient: 500.000 ft				
2016/05/20	10:29:35	1.6667	17.760	90.304
2016/05/20	10:30:05	1.6750	17.759	89.596
2016/05/20	10:30:35	1.6833	17.691	89.199
2016/05/20	10:31:05	1.6917	17.722	88.849
2016/05/20	10:31:35	1.7000	17.733	88.516
2016/05/20	10:32:05	1.7083	17.771	88.201
2016/05/20	10:32:35	1.7167	17.765	87.876
2016/05/20	10:33:05	1.7250	17.720	87.568

Company Name ConocoPhillips
 Well Name San Juan 32-7 Unit 203
 Type of Test POOH Static Gradient
 Date(s) of Test 5/20/2016



Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2016/05/20	10:33:35	1.7333	17.721	87.260
2016/05/20	10:34:05	1.7417	17.725	86.952
2016/05/20	10:34:35	1.7500	17.654	86.643
2016/05/20	10:35:05	1.7583	17.432	85.563
POOH Gradient: 0.000 ft				
2016/05/20	10:35:35	1.7667	17.330	84.211
2016/05/20	10:36:05	1.7750	17.224	83.599
2016/05/20	10:36:35	1.7833	17.292	83.237
2016/05/20	10:37:05	1.7917	17.252	82.918
2016/05/20	10:37:35	1.8000	17.222	82.616
2016/05/20	10:38:05	1.8083	17.229	82.323
2016/05/20	10:38:35	1.8167	17.233	82.029
2016/05/20	10:39:05	1.8250	17.219	81.743
2016/05/20	10:39:35	1.8333	17.219	81.466
2016/05/20	10:40:05	1.8417	17.146	81.180
2016/05/20	10:40:35	1.8500	17.099	80.915
2016/05/20	10:41:05	1.8583	-2.697	80.773
2016/05/20	10:41:35	1.8667	-2.695	80.620
2016/05/20	10:42:05	1.8750	-2.626	80.303