



RCP, Inc

801 Louisiana, Ste.200
Houston, Texas 77002
(713)655-8080

Redacted

October 17, 2011

Pacific Gas and Electric Company
350 N. Wiget
Walnut Creek, CA 94598
Attention: Redacted

Test Contractor: Milbar hydro-test inc. -- FY12-112
Asset Owner: Pacific Gas and Electric Company – 41497341-T79B
Construction Contractor: Snelson – 41474005 -T79B
Test Section: PG&E T-79B L-300B, Redacted
Test Date: October 17, 2011
Certificate Number: RCP 61362 - T-79B, L-300B, Redacted

To whom it may concern,

This letter is to certify that the hydrostatic test performed on pipe owned by Pacific Gas and Electric Company and tested by Milbar hydro-test inc. met the requirements of the Code of Federal Regulations, Title 49, Part 192, Subpart J (Class 2).

The test segment was subjected to a spike pressure test of 1135 psig for 30 minutes, without observed leakage or yielding of the pipe segment. The 30 minute spike test and subsequent pressure reduction with volume bleed was included and is part of the 8.08 hour test duration period.

This hydrostatic test was completed successfully. Pressure was maintained on the test facilities in excess of 8.08 continuous hours without evidence of a leak failure. Water was the test medium. At the highest elevation point in the test section, the calculated test pressure was 1059 psig and the established MAOP is 847 psig.

Pressure decreased 76 psi during the test. 4,826.88 ounces of fluid was intentionally released from the test section. Net corrected volumetric change from beginning of the test to the end of the test is calculated to be 3,119.51 ounces, gain, which is equivalent to a 2.46 °F change in pipe temperature and larger than the anticipated error attributed to the temperature measurement instrumentation utilized.

Test pressure did not remain steady even though no leaks were observed. The volumetric gain is attributed to the inherent error associated with physically attempting to measure the average temperature of 1,471 feet of buried and 154 feet of exposed pipe from a single point on the line.

Sincerely,

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Test 79B.xlsxm
Letter

RCP

Hydrostatic Test Certification

Company	Pacific Gas and Electric Company			Job Number	41497341-T79B
Construction Co.	Snelson			Job Number	41474005 -T79B
Hydro. Test Co.	Milbar hydro-test inc.			Project No.	FY12-112
Test Section	Redacted				
File Name	RCP 61362 - T-79B, L-300B, N Redacted				
e Hydrostatic Test Pressure					
APPLICABLE CODE FOR CERTIFICATION: d			Test Date: 17-Oct-11		
Code of Federal Regulations, Title 49, Part 192, Subpart J (Class 2)					
This is to certify that the pipeline or pipeline section(s) described below was hydrostatically pressure tested in accordance with the following procedure:					
Pipeline:	PG&E T-79B L-300B, MP 16057 - 160.88				
From:	15+58	e	To:	0+00	
d Pipe Data					
Segment	Length	Diameter	Wall Thickness	Specification	100% SMYS
1	60 ft	34.000 in.	0.500 in.	API5L-X65, DSAW, Arc Weld, Steel	1,912 psi
2	1,471 ft	34.000 in.	0.505 in.	API5L-X46, DSAW, Arc Weld, Steel	1,366 psi
3	32 ft	34.000 in.	0.375 in.	API5L-X65, DSAW, Arc Weld, Steel	1,434 psi
4	22 ft	34.000 in.	0.505 in.	API5L-X60, DSAW, Arc Weld, Steel	1,782 psi
5	40 ft	34.000 in.	0.500 in.	API5L-X65, DSAW, Arc Weld, Steel	1,912 psi
Initial Test Conditions					
Pressure at Test Point:	1,135 psig	Date/Time:	10/17/11 11:40 AM	Pipe Temperature	
Ambient Temperature:	81.0 °F			Unrestrained:	80.0 °F
Pressure @ High Point (Cal/Measure):	1,135 psig	Elevation @ Test Point:	2,208.0 ft	Location:	15+58
Pressure @ Low Point (Cal/Measure):	1,137 psig	Elevation @ High Point:	2,208.0 ft	Location:	15+58
		Elevation @ Low Point:	2,204.0 ft	Location:	0+00
Final Test Conditions					
Pressure at Test Point:	1,059 psig	Date/Time:	10/17/11 7:45 PM	Pipe Temperature	
Ambient Temperature:	76.0 °F			Unrestrained:	73.0 °F
Pressure @ High Point (Cal/Measure):	1,059 psig	Elevation @ Test Point:	2,208.0 ft	Location:	15+58
Pressure @ Low Point (Cal/Measure):	1,061 psig	Elevation @ High Point:	2,208.0 ft	Location:	15+58
Total Fluid Injected:		Elevation @ Low Point:	2,204.0 ft	Location:	0+00
Total Fluid Withdrawn:	4826.88 fluid ounces			Volume gain	
Net Change in Volume of the Test Section + (+ Gain, - Loss):	3,119.51 oz	gain	0.0336%	2.464 °F equivalent	
Test Duration:	8.08 hours				
Minimum Test Pressure:	1,055 psig	Max Elevation	1,055 psig	Min Elevation	1,057 psig
Maximum Test Pressure:	1,138 psig		1,138 psig		1,140 psig
% SMYS :			59.5%		
Test Segment Checked w/ CAVCO				Maximum	83.4%
Minimum Test Pressure (Calculated/Measured): 1,059 psig					
Maximum Allowable Operating Pressure:			DOT Part 192	Test Factor= 1.25	847 psig
Were leaks observed?	No	Explain:			
Acceptable Hydrostatic Test?	Yes	The test segment was subjected to a spike pressure test of 1135 psig for 30 minutes, without observed leakage or yielding of the pipe segment. The 30 minute spike test and subsequent pressure reduction with volume bleed was included and is part of the 8.08 hour test duration period.			
		No leaks were observed during the test period. The test section included 1,471 feet of buried and 154 feet of exposed pipe. Pressure lost 76 psi during the test. The buried pipe segment lost 1°F fluid temperature and the exposed pipe segment lost 7°F. 4,826.88 ounces of fluid was intentionally released from the test section. Net corrected volumetric change from beginning of the test to the end of the test is calculated to be 3,119.51 ounces, gain, which is equivalent to a 2.46 °F change in pipe temperature and larger than the anticipated error attributed to the temperature measurement instrumentation utilized. Test pressure did not remain steady even though no leaks were observed. The volumetric gain is attributed to the inherent error associated with the ability to measure the minimum temperature of 4.274 feet of buried and 4.24 feet of exposed pipe at a single point on the line.			
Remarks					
Redacted					
17-Oct-11					

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RCP**Dead Weight Log Sheet**

Owner Company	Pacific Gas and Electric Company	Job Number	41497341-T79B
Construction Co.	Snelson	Job Number	41474005 - T79B
Testing Co.	Milbar hydro-test inc.	Project No.	FY12-112
Test Section	PG&E T-79B L-300B, Redacted		
File Name	RCP 61362 - T-79B, L-300B, Redacted		

Date 17-Oct-11

Test Log

Log No.	Test Period		Test Pressure	Temperature °F			Remarks			
	Date	Time		Ambient	Pipe					
				Unrestrained	Restrained	Comment	Bleed	Inject		
1	10/17/11	11:10 AM	779 psig	81 °F	78 °F	77 °F	Start Spike			
2	10/17/11	11:11 AM	789 psig	81 °F	78 °F	77 °F	Inject		560 oz.	
3	10/17/11	11:12 AM	799 psig	81 °F	78 °F	77 °F	Inject		436 oz.	
4	10/17/11	11:13 AM	809 psig	81 °F	78 °F	77 °F	Inject		498 oz.	
5	10/17/11	11:14 AM	819 psig	81 °F	78 °F	77 °F	Inject		436 oz.	
6	10/17/11	11:15 AM	829 psig	81 °F	78 °F	77 °F	Inject		498 oz.	
7	10/17/11	11:16 AM	839 psig	81 °F	78 °F	77 °F	Inject		498 oz.	
8	10/17/11	11:17 AM	849 psig	81 °F	78 °F	77 °F	Inject		436 oz.	
9	10/17/11	11:18 AM	859 psig	81 °F	78 °F	77 °F	Inject		498 oz.	
10	10/17/11	11:19 AM	869 psig	81 °F	78 °F	77 °F	Inject		436 oz.	
11	10/17/11	11:20 AM	879 psig	81 °F	78 °F	77 °F	Inject		498 oz.	
12	10/17/11	11:21 AM	889 psig	81 °F	78 °F	77 °F	Inject		436 oz.	
13	10/17/11	11:22 AM	899 psig	81 °F	78 °F	77 °F	Inject		498 oz.	
14	10/17/11	11:23 AM	909 psig	81 °F	78 °F	77 °F	Inject		498 oz.	
15	10/17/11	11:24 AM	919 psig	81 °F	78 °F	77 °F	Inject		436 oz.	
16	10/17/11	11:25 AM	929 psig	81 °F	78 °F	77 °F	Inject		498 oz.	
17	10/17/11	11:26 AM	939 psig	81 °F	78 °F	77 °F	Inject		436 oz.	
18	10/17/11	11:27 AM	949 psig	81 °F	78 °F	77 °F	Inject		498 oz.	
19	10/17/11	11:28 AM	959 psig	81 °F	78 °F	77 °F	Inject		436 oz.	
20	10/17/11	11:29 AM	969 psig	81 °F	78 °F	77 °F	Inject		498 oz.	
21	10/17/11	11:30 AM	979 psig	81 °F	78 °F	77 °F	Inject		436 oz.	
22	10/17/11	11:31 AM	989 psig	81 °F	78 °F	77 °F	Inject		498 oz.	
23	10/17/11	11:32 AM	999 psig	81 °F	78 °F	77 °F	Inject		498 oz.	
24	10/17/11	11:33 AM	1,009 psig	81 °F	78 °F	77 °F	Inject		436 oz.	
25	10/17/11	11:34 AM	1,019 psig	81 °F	78 °F	77 °F	Inject		498 oz.	
26	10/17/11	11:35 AM	1,029 psig	81 °F	78 °F	77 °F	Inject		436 oz.	
27	10/17/11	11:36 AM	1,039 psig	81 °F	78 °F	77 °F	Inject		498 oz.	
28	10/17/11	11:36 AM	1,049 psig	81 °F	78 °F	77 °F	Inject		498 oz.	
29	10/17/11	11:36 AM	1,059 psig	81 °F	78 °F	77 °F	Inject		436 oz.	
30	10/17/11	11:37 AM	1,069 psig	81 °F	78 °F	77 °F	Inject		498 oz.	
31	10/17/11	11:37 AM	1,079 psig	81 °F	78 °F	77 °F	Inject		498 oz.	
32	10/17/11	11:38 AM	1,089 psig	81 °F	78 °F	77 °F	Inject		436 oz.	
33	10/17/11	11:38 AM	1,099 psig	81 °F	78 °F	77 °F	Inject		498 oz.	
34	10/17/11	11:39 AM	1,109 psig	81 °F	78 °F	77 °F	Inject		436 oz.	
35	10/17/11	11:39 AM	1,119 psig	81 °F	78 °F	77 °F	Inject		498 oz.	
36	10/17/11	11:39 AM	1,129 psig	81 °F	78 °F	77 °F	Inject		436 oz.	
37	10/17/11	11:40 AM	1,135 psig	81 °F	80 °F	77 °F	Inject		311 oz.	
38	10/17/11	11:40 AM	1,135 psig	81 °F	80 °F	77 °F	On Test			
39	10/17/11	11:50 AM	1,136 psig	82 °F	81 °F	77 °F				
40	10/17/11	12:00 PM	1,137 psig	83 °F	81 °F	77 °F				
41	10/17/11	12:10 PM	1,138 psig	84 °F	82 °F	77 °F	End Spike			
42	10/17/11	12:11 PM	1,128 psig	84 °F	82 °F	77 °F	Bleed	474 oz.		
43	10/17/11	12:12 PM	1,118 psig	84 °F	82 °F	77 °F	Bleed	474 oz.		
44	10/17/11	12:13 PM	1,108 psig	84 °F	82 °F	77 °F	Bleed	474 oz.		
45	10/17/11	12:14 PM	1,098 psig	84 °F	82 °F	77 °F	Bleed	474 oz.		

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Dead Weight Sheet**PG & E**



Dead Weight Log Sheet

Owner Company	Pacific Gas and Electric Company	Job Number	41497341-T79B
Construction Co.	Snelson	Job Number	41474005 - T79B
Testing Co.	Milbar hydro-test inc.	Project No.	FY12-112
Test Section	PG&E T-79B L-300B, Redacted		
File Name	RCP 61362 - T-79B, L-300B, Redacted		

Date

17-Oct-11

Test Log

Log No.	Test Period		Test Pressure	Temperature °F			Remarks			
	Date	Time		Ambient	Pipe					
					Unrestrained	Restrained	Comment	Bleed	Inject	
46	10/17/11	12:15 PM	1,088 psig	84 °F	82 °F	77 °F	Bleed	474 oz.		
47	10/17/11	12:16 PM	1,078 psig	84 °F	82 °F	77 °F	Bleed	474 oz.		
48	10/17/11	12:17 PM	1,068 psig	84 °F	82 °F	77 °F	Bleed	474 oz.		
49	10/17/11	12:18 PM	1,055 psig	84 °F	82 °F	77 °F	Bleed	616 oz.		
50	10/17/11	12:22 PM	1,055 psig	84 °F	83 °F	77 °F				
51	10/17/11	12:30 PM	1,056 psig	85 °F	83 °F	77 °F				
52	10/17/11	12:45 PM	1,058 psig	86 °F	84 °F	77 °F				
53	10/17/11	1:00 PM	1,060 psig	87 °F	85 °F	77 °F				
54	10/17/11	1:15 PM	1,061 psig	88 °F	85 °F	77 °F	Clear			
55	10/17/11	1:30 PM	1,062 psig	88 °F	86 °F	77 °F				
56	10/17/11	1:45 PM	1,064 psig	89 °F	86 °F	77 °F				
57	10/17/11	2:00 PM	1,066 psig	89 °F	86 °F	77 °F	Warm			
58	10/17/11	2:15 PM	1,067 psig	89 °F	86 °F	77 °F				
59	10/17/11	2:30 PM	1,069 psig	90 °F	86 °F	77 °F				
60	10/17/11	2:45 PM	1,070 psig	91 °F	86 °F	77 °F	Sun Shine			
61	10/17/11	3:00 PM	1,072 psig	92 °F	86 °F	77 °F				
62	10/17/11	3:15 PM	1,073 psig	91 °F	86 °F	77 °F				
63	10/17/11	3:30 PM	1,075 psig	91 °F	86 °F	77 °F				
64	10/17/11	3:37 PM	1,055 psig	91 °F	86 °F	77 °F	Bleed	896.00 oz.		
65	10/17/11	3:45 PM	1,056 psig	91 °F	85 °F	77 °F				
66	10/17/11	4:00 PM	1,057 psig	91 °F	85 °F	77 °F				
67	10/17/11	4:15 PM	1,058 psig	91 °F	85 °F	77 °F				
68	10/17/11	4:30 PM	1,059 psig	90 °F	84 °F	77 °F				
69	10/17/11	4:45 PM	1,060 psig	90 °F	82 °F	77 °F				
70	10/17/11	5:00 PM	1,061 psig	88 °F	81 °F	77 °F				
71	10/17/11	5:15 PM	1,061 psig	87 °F	80 °F	77 °F				
72	10/17/11	5:30 PM	1,062 psig	85 °F	79 °F	77 °F				
73	10/17/11	5:45 PM	1,062 psig	84 °F	78 °F	76 °F				
74	10/17/11	6:00 PM	1,062 psig	84 °F	77 °F	76 °F				
75	10/17/11	6:15 PM	1,061 psig	84 °F	76 °F	76 °F				
76	10/17/11	6:30 PM	1,061 psig	84 °F	75 °F	76 °F				
77	10/17/11	6:45 PM	1,061 psig	81 °F	75 °F	76 °F				
78	10/17/11	7:00 PM	1,060 psig	80 °F	74 °F	76 °F				
79	10/17/11	7:15 PM	1,060 psig	78 °F	73 °F	76 °F				
80	10/17/11	7:30 PM	1,059 psig	76 °F	73 °F	76 °F				
81	10/17/11	7:45 PM	1,059 psig	76 °F	73 °F	76 °F	End of Test			
								Spike Test	16,860.2 oz.	
								Hydrostatic Test	4,826.9 oz.	
Were leaks observed during the test period?			Exposed and buried pipe, no leaks observed.			High Test Pressure: 1,138 psig Low Test Pressure: 1,055 psig				

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Test 79B.xlsx
Dead Weight Sheet

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Pipe Segment Volume Calculations

Company	Pacific Gas and Electric Company					Job Number	41497341-T79B				
Construction Co.	Snelson					Job Number	41474005 -T79B				
Hydro. Test Co.	Milbar hydro-test inc.					Project No.	FY12-112				
Test Section	PG&E Redacted						WATER				
File Name	RCP 61362 - T-79B, L-300B, Redacted										
General Pipe Data											
Description	Segment										
1	2	3	4	5							
Restrained or Unrestrained?	Unrestrained	Restrained	Unrestrained	Unrestrained	Unrestrained						
Outside Diameter	34.000 in.	34.000 in.	34.000 in.	34.000 in.	34.000 in.						
Wall Thickness	0.500 in.	0.505 in.	0.375 in.	0.505 in.	0.500 in.						
Inside Diameter	33.000 in.	32.990 in.	33.250 in.	32.990 in.	33.000 in.						
Spec./Grade	API5L-X65	API5L-X46	API5L-X65	API5L-X60	API5L-X65						
Length Unrestrained	60 ft		32 ft	22 ft	40 ft						
Length Restrained		1,471 ft									
Temperature - On Test	80 °F	77 °F	80.0 °F	80.0 °F	80.0 °F						
Temperature - End of Test	73 °F	76 °F	73.0 °F	73.0 °F	73.0 °F						
Pressure - On Test	1,135 psig	1,135 psig	1,135 psig	1,135 psig	1,135 psig						
Pressure - End of Test	1,059 psig	1,059 psig	1,059 psig	1,059 psig	1,059 psig						
Unrestrained Pipe											
Sum:	Vo	6,863.42 gal			Vtp1	6,896.16 gal			Vtp2	6,898.99 gal	
		878,518 oz.				882,709 oz.				883,070 oz.	
Vo Unrestrained	2,666 gal		1,443 gal	977 gal	1,777 gal						
Fwp 1	1.003479		1.003479	1.003479	1.003479						
Fpp 1	1.003121		1.004193	1.003089	1.003121						
Fpt 1	1.000364		1.000364	1.000364	1.000364						
Fwt 1	1.002418		1.002418	1.002418	1.002418						
Fpwt 1 = Fpt/Fwt	0.997951		0.997951	0.997951	0.997951						
Vtp 1 = Vo(Fwp)(Fpp)(Fpwt)	2,677.99 gal		1,451.53 gal	981.30 gal	1,785.33 gal						
Fwp 2	1.003246		1.003246	1.003246	1.003246						
Fpp 2	1.002912		1.003912	1.002883	1.002912						
Fpt 2	1.000237		1.000237	1.000237	1.000237						
Fwt 2	1.001423		1.001423	1.001423	1.001423						
Fpwt 2 = Fpt/Fwt	0.998815		0.998815	0.998815	0.998815						
Vtp 2 = Vo(Fwp)(Fpp)(Fpwt)	2,679.13 gal		1,452.05 gal	981.72 gal	1,786.09 gal						
Restrained Pipe											
Sum:	Vo	65,318.54 gal			Vtp1	65,581.84 gal			Vtp2	65,565.69 gal	
		8,360,773 oz.				8,394,476 oz.				8,392,407 oz.	
Vo Unrestrained		65,319 gal									
Fwp 1		1.003479									
Fpp 1		1.002310									
Fpt 1		1.000206									
Fwt 1		1.001966									
Fpwt 1 = Fpt/Fwt		0.998243									
Vtp 1 = Vo(Fwp)(Fpp)(Fpwt)		65,582 gal									
Fwp 2		1.003246									
Fpp 2		1.002156									
Fpt 2		1.000194									
Fwt 2		1.001813									
Fpwt 2 = Fpt/Fwt		0.998384									
Vtp 2 = Vo(Fwp)(Fpp)(Fpwt)		65,566 gal									
Combined Pipe											
Sum:	Vo	72,181.96 gal			Vtp1	72,478.00 gal			Vtp2	72,464.66 gal	
		9,239,291 oz.				9,277,184 oz.				9,275,477 oz.	

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Test 79B.xls

Water Calculations



Pipe Segment Volume Allowance Calculations

Company	Pacific Gas and Electric Company					Job Number	41497341-T79B		
Construction Co.	Snelson					Job Number	41474005 -T79B		
Hydro. Test Co.	Milbar hydro-test inc.					Project No.	FY12-112		
Test Section	PG&E T-79B L-300B,								
File Name	RCP 61362 - T-79B, L-300B, Redacted						WATER		
General Pipe Data									
Description	Segment								
	1	2	3	4	5				
Restrained or Unrestrained?	Unrestrained	Restrained	Unrestrained	Unrestrained	Unrestrained				
Outside Diameter	34.000 in.	34.000 in.	34.000 in.	34.000 in.	34.000 in.				
Wall Thickness	0.500 in.	0.505 in.	0.375 in.	0.505 in.	0.500 in.				
Inside Diameter	33.000 in.	32.990 in.	33.250 in.	32.990 in.	33.000 in.				
Spec./Grade	API5L-X65	API5L-X46	API5L-X65	API5L-X60	API5L-X65				
Length Unstrained	60.00 ft		32.00 ft	22 ft	40 ft				
Length Restrained		1,471 ft							
Temperature - On Test	76 °F	76 °F	76 °F	76 °F	76 °F				
Temperature - End of Test	77 °F	77 °F	77 °F	77 °F	77 °F				
Pressure - On Test	1,097 psig	1,097 psig	1,097 psig	1,097 psig	1,097 psig				
Pressure - End of Test	1,097 psig	1,097 psig	1,097 psig	1,097 psig	1,097 psig				
Unrestrained Pipe									
Sum:	Vo	6,863.42 gal		Vtp1	6,898.25 gal		Vtp2	6,897.32 gal	
		878,518 oz.			882,976 oz.			882,857 oz.	
Vo Unrestrained	2,666 gal	1,443 gal	977 gal	1,777 gal					
Fwp 1	1.003363		1.003363	1.003363	1.003363				
Fpp 1	1.003017		1.004053	1.002986	1.003017				
Fpt 1	1.000291		1.000291	1.000291	1.000291				
Fwt 1	1.001813		1.001813	1.001813	1.001813				
Fpwt 1 = Fpt/Fwt	0.998481		0.998481	0.998481	0.998481				
Vtp 1 = Vo(Fwp)(Fpp)(Fpwt)	2,678.82 gal		1,451.93 gal	981.61 gal	#####				
Fwp 2	1.003363		1.003363	1.003363	1.003363				
Fpp 2	1.003017		1.004053	1.002986	1.003017				
Fpt 2	1.000309		1.000309	1.000309	1.000309				
Fwt 2	1.001966		1.001966	1.001966	1.001966				
Fpwt 2 = Fpt/Fwt	0.998347		0.998347	0.998347	0.998347				
Vtp = Vo(Fwp)(Fpp)(Fpwt)	2,678.46 gal		1,451.74 gal	981.48 gal	#####				
Restrained Pipe									
Sum:	Vo	65,318.54 gal		Vtp1	65,578.24 gal		Vtp2	65,569.28 gal	
		8,360,773 oz.			8,394,015 oz.			8,392,887 oz.	
Vo Restrained		65,319 gal							
Fwp 1		1.003363							
Fpp 1		1.002231							
Fpt 1		1.000194							
Fwt 1		1.001813							
Fpwt 1 = Fpt/Fwt		0.998384							
Vtp 1 = Vo(Fwp)(Fpp)(Fpwt)		65,578 gal							
Fwp 2		1.003363							
Fpp 2		1.002235							
Fpt 2		1.000206							
Fwt 2		1.001966							
Fpwt 2 = Fpt/Fwt		0.998243							
Vtp = Vo(Fwp)(Fpp)(Fpwt)		65,569 gal							
Combined Pipe									
Sum:	Vo	72,181.96 gal		Vtp1	72,476.49 gal		Vtp2	72,466.60 gal	
		9,239,291 oz.			9,276,991 oz.			9,275,725 oz.	
1 °F Change	9.89 gal		1,286.07 oz.						

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Test 79B.xlsx
Allowance



Hydrostatic Test Pipe Data Table

Hydrostatic Test Project Owner & Participants

Owner Company	Pacific Gas and Electric Company	Job Number
Address	350 N. Wiget Walnut Creek, CA 94598	41497341-T79B
	Attention: Redacted	
Construction Company	Snelson	Job Number
Address	601 West State Street Sedro-Wooley, WA 98284	41474005 -T79B
	Attention: Redacted	
Hydrostatic Test Co.	Milbar hydro-test inc.	Project No.
Address	P O Box 7701 Shreveport, La. 71137-7701	FY12-112
	PG&E T-79B L-300B	Redacted
Test Section	From:	15+58
	To:	0+00
File Name	RCP 61362 - T-79B, L-300B	Redacted

Part II – Test Data (TO BE PREPARED BY PERSON SUPERVISING TEST AT TIME OF TEST)

Note: Minimum test pressure and duration are not to be changed without written approval.

Time and Date Test Pressure Reached	10/17/11 11:40 AM	Elevation at Test Point	2,208 ft	Min. Required Test Press At Test Point (1)	1,032.00 psig	Max. Allowable Test Press at Test Point (4)	1,138.27 psig
Time and Date Test Ended	10/17/11 7:45 PM	Max. Elevation in Test Section	2,208 ft	Min. Indicated Test Pressure (2)	1,055.00 psig	Max. Indicated Test Pressure (5)	1,138.00 psig
Actual Duration of Test	8 hours 5 minutes	Min. Elevation in Test Section	2,204 ft	Min. Test Pressure at Max. Elevation (3)	1,055.00 psig	Max. Test Pressure at Min. Elevation (6)	1,139.73 psig

COPY

OCT 17 2011

[Redacted]

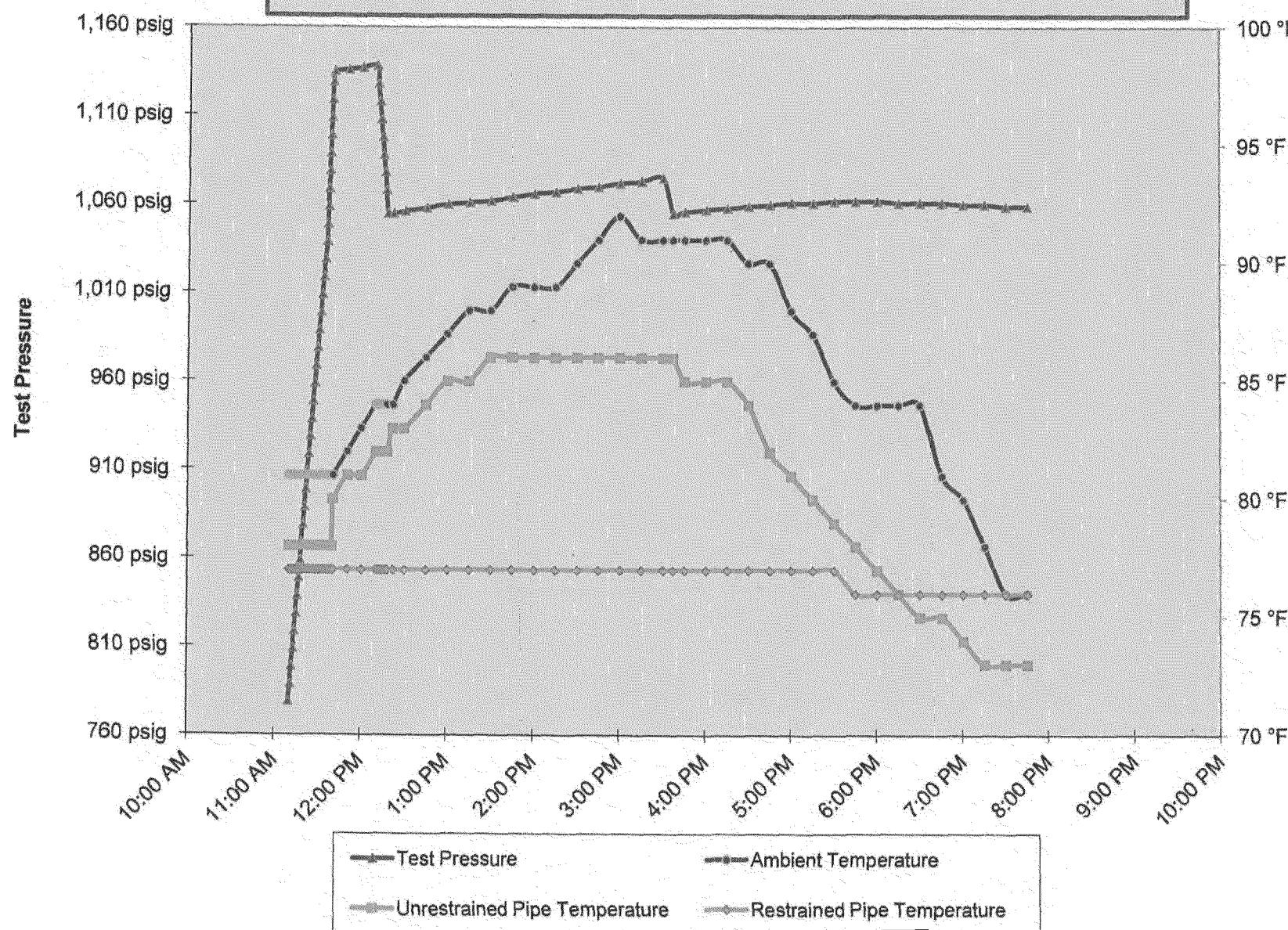
Test 79B.xlsm

RCP

PG&E T-79B L-300B,

Redacted

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06/17/2011
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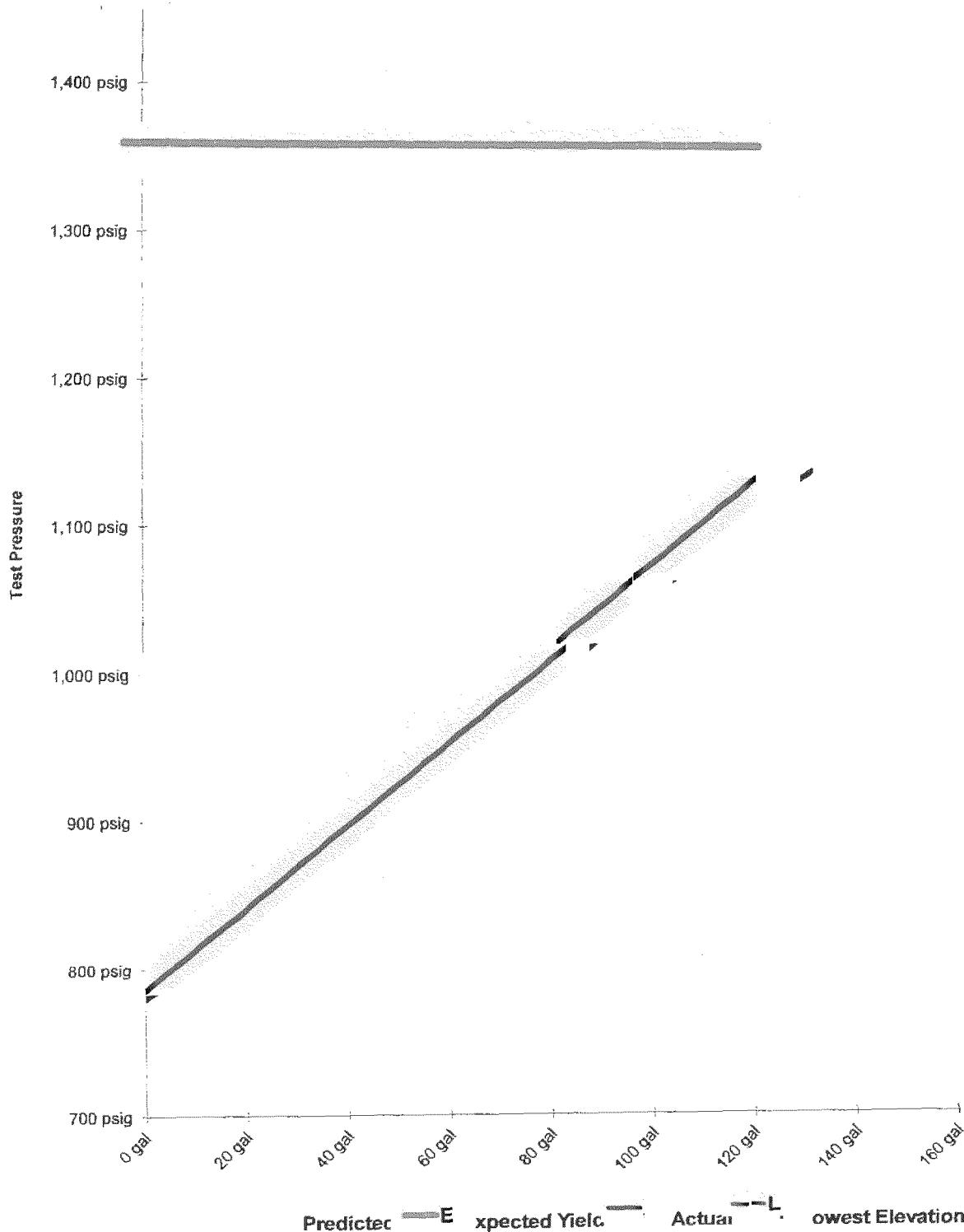


Redacted

PlotT

Spike Pressure Test
Stress Strain Curve -- PG&E T-79B L-300B,

Redacted



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PG & E

10/17/2011

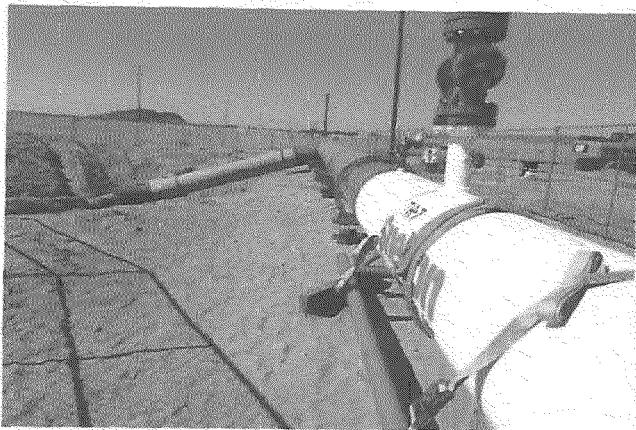
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10-17-11 Date

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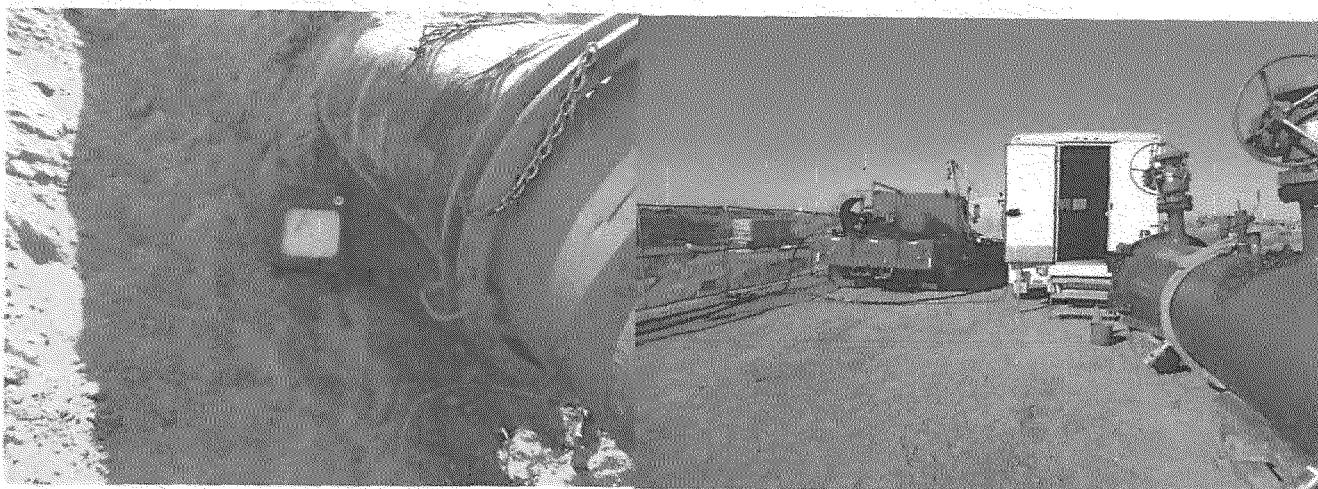
PG & E



Test 79B test head



Test 79B test head & Tie In

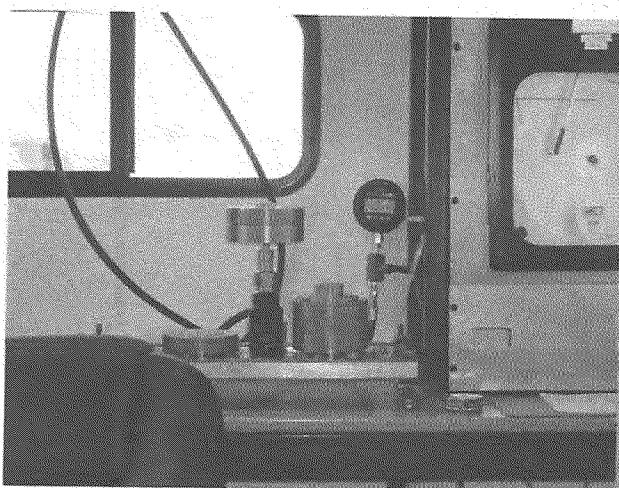


Test 79B Unrestrained & Alternate
Temp. Recorder

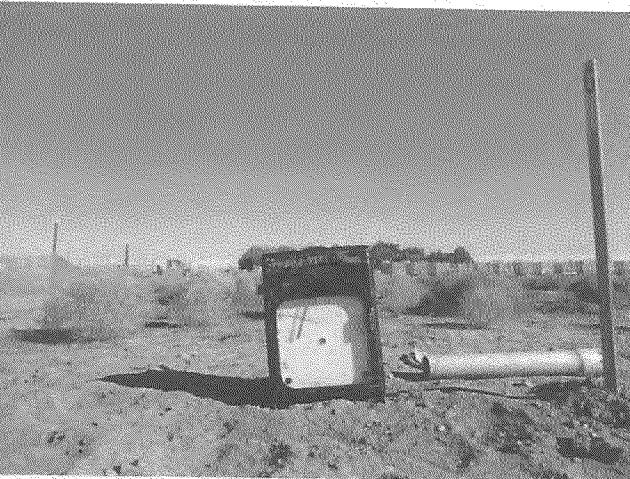
Test 79B Pump Truck

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OCT 17 2011
PG & E

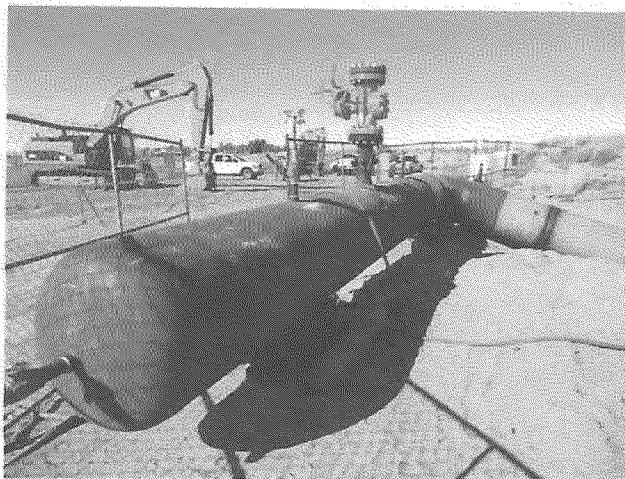
RCP



Test T-79B Deadweight



Test T-79B Restrained Temp Rec



Test T-79B Test End



Test T-79B Test End

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OCT 17 2011
PG & E