



RCP, Inc

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June 13, 2011

Pacific Gas and Electric Company
3600 Adobe Rd
Petaluma, Ca 94954
Attention: Joel Mannie
Attention:

Test Contractor:	Akri Corporation -- 13-100	41449602
Asset Owner:	Pacific Gas and Electric Company --	41474079
Construction Contractor:	ARB -- 0629-53-3500-96	
Test Section:	PG&E T-11 Line 105N	
Test Date:	June 5, 2011	
Certificate Number:	RCP 61362 - T-11, L-105N	

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 Akri Corporation met the requirements of the Code of Federal Regulations, Title 49, Part 192, Subpart J (Class 3).

Upon initiation of the hydrostatic test period, the test segment was subjected to a spike pressure of 833 psig for 30 minutes, without observed leakage or yielding of the pipe segment.

This hydrostatic test was completed successfully. Pressure was maintained on the test facilities in excess of 8 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 772 psig and the established MAOP is 515 psig.

Pressure decreased 53 psi during the test. 3,456.00 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 121.50 ounces, loss, which is equivalent to a 0.1 °F change in pipe temperature and within the error attributed to the temperature measurement instrumentation utilized.

Test pressure did not remain steady even though no leaks were observed. The volumetric loss is attributed to the error characteristic of the temperature measurement instrumentation utilized.

Sincerely,

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Test 11.xlsm
Letter



Hydrostatic Test Certification

44414079

Company	Pacific Gas and Electric Company	Job Number	44414079
Construction Co.	ARRB	Job Member	0629-03-3500-86
Hydro. Test Co.	ARRB Corporation	Project No.	43-100
Test Section	PG&E T-11 Lins 103N		
File Name	RCP 81302 - F-11, L-105N		

APPLICABLE CODE FOR CERTIFICATION: **Hydrostatic Test Pressure** Test Date: 5-Jun-11

Code of Federal Regulations, Title 49, Part 192, Subpart J (Class 3)

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-11 Lins 103N From: 48+03 To: 50+00

Segment	Length	Diameter	Wall Thickness	Specification	100% SMYS
1	4,691.00 ft	24,000 in.	0.375 in.	API 5L X60, DSAW, Arc Weld, Steel	1,825 psi
2	15,00 ft	24,000 in.	0.250 in.	API 5L X60, DSAW, Arc Weld, Steel	1,083 psi
3	50,00 ft	24,000 in.	0.375 in.	API 5L X60, DSAW, Arc Weld, Steel	1,675 psi
4	22 ft	24,000 in.	0.500 in.	API 5L X60, SM, Arc Weld, Steel	2,550 psi

Initial Test Conditions		Date/Time	Pipe Temperature
Pressure at Test Point:	833 psig	05/11 8:50 AM	Unrestrained: 81.0 °F
Ambient Temperature:	83.0 °F		Restrained: 64.0 °F
Pressure @ High Point (Cal/Measure):	826 psig	Elevation @ Test Point:	Location:
Pressure @ Low Point (Cal/Measure):	833 psig	Elevation @ High Point:	48+03
		Elevation @ Low Point:	0+00
		Flow from @ Low Point:	Location:
			45+00

Final Test Conditions		Date/Time	Pipe Temperature
Pressure at Test Point:	780 psig	05/11 9:05 PM	Unrestrained: 86.0 °F
Ambient Temperature:	85.0 °F		Restrained: 64.0 °F
Pressure @ High Point (Cal/Measure):	773 psig	Elevation @ Test Point:	Location:
Pressure @ Low Point (Cal/Measure):	789 psig	Elevation @ High Point:	48+03
		Elevation @ Low Point:	0+00
		Flow from @ Low Point:	Location:
			158.26
			Volume loss
			(0.0083)%

Not Change in Volume of the Test Section ± 1% Gain, - Loss):

Test Duration:	8 hours
Maximum Test Pressure:	833 psig
% SMYS @:	76.9% Test Point
	76.2% High Point
	76.9% Low Point
	77.3 psig
	51.5 psig

Minimum Test Pressure (Calculated/Measured): DOT Part 192 Test Factor: 1.50

When leaks observed? **No** Explain: Upon initiation of the hydrostatic test period, the test segment was subjected to a spike pressure of 833 psig for 30 minutes, without observed leakage or yielding of the pipe segment.

Acceptable Hydrostatic Test? **Yes** No leaks were observed during the test period. The test section included 4,698 feet of initial and 80 feet of exposed pipe. Pressure lost 53 psi during the test. The burst pipe segment fluid temperature remained steady and the exposed pipe segment gained 5°F. 3,456.60 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 121.59 ounces, loss, which is equivalent to a 0.1 °F change in pipe temperature and within the error attributed to the temperature measurement instrumentation utilized.

Remarks: Test pressure did not remain steady even though no leaks were observed. The volumetric loss is attributed to the error characteristic of the temperature measurement instrumentation utilized.

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Dead Weight Log Sheet

Owner Company	Pacific Gas and Electric Company	Job Number	41474079
Construction Co.	ARR	Job Number	0629-53-3500-96
Testing Co.	Akri Corporation	Project No.	13-100
Test Section	PG&E T-11 Lino 105N		
File Name	RCP 61362 - T-11, 1-105N		

Date	5-Jun-11	Test Log
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Log No.	Test Period		Test Pressure	Temperature °F			Remarks		
	Date	Time		Ambient	Pipe		Comment	Blood	Inject
					Unrestrained	Restrained			
1	6/5/11	8:36 AM	583 psig	63 °F	61 °F	64 °F	Start Spike		
2	6/5/11	8:36 AM	573 psig	64 °F	61 °F	64 °F			797 oz.
3	6/5/11	8:36 AM	583 psig	65 °F	61 °F	64 °F			797 oz.
4	6/5/11	8:37 AM	593 psig	63 °F	62 °F	64 °F			779 oz.
5	6/5/11	8:37 AM	603 psig	65 °F	62 °F	64 °F			756 oz.
6	6/5/11	8:38 AM	613 psig	64 °F	63 °F	64 °F			573 oz.
7	6/5/11	8:38 AM	623 psig	64 °F	63 °F	64 °F			852 oz.
8	6/5/11	8:39 AM	633 psig	67 °F	64 °F	64 °F			591 oz.
9	6/5/11	8:39 AM	643 psig	67 °F	65 °F	64 °F			733 oz.
10	6/5/11	8:40 AM	653 psig	68 °F	65 °F	64 °F			696 oz.
11	6/5/11	8:40 AM	663 psig	68 °F	65 °F	63 °F			664 oz.
12	6/5/11	8:41 AM	673 psig	69 °F	65 °F	63 °F			683 oz.
13	6/5/11	8:41 AM	683 psig	68 °F	63 °F	66 °F			673 oz.
14	6/5/11	8:42 AM	693 psig	70 °F	66 °F	63 °F			641 oz.
15	6/5/11	8:42 AM	703 psig	71 °F	67 °F	63 °F			605 oz.
16	6/5/11	8:43 AM	713 psig	71 °F	67 °F	63 °F			651 oz.
17	6/5/11	8:43 AM	723 psig	71 °F	67 °F	63 °F			669 oz.
18	6/5/11	8:44 AM	733 psig	70 °F	67 °F	67 °F			618 oz.
19	6/5/11	8:44 AM	743 psig	71 °F	67 °F	63 °F			591 oz.
20	6/5/11	8:45 AM	753 psig	70 °F	67 °F	63 °F			683 oz.
21	6/5/11	8:45 AM	763 psig	67 °F	67 °F	63 °F			550 oz.
22	6/5/11	8:46 AM	773 psig	66 °F	67 °F	63 °F			577 oz.
23	6/5/11	8:46 AM	783 psig	67 °F	67 °F	63 °F			600 oz.
24	6/5/11	8:47 AM	793 psig	66 °F	61 °F	67 °F			591 oz.
25	6/5/11	8:47 AM	803 psig	67 °F	61 °F	64 °F			628 oz.
26	6/5/11	8:48 AM	813 psig	66 °F	61 °F	64 °F			495 oz.
27	6/5/11	8:48 AM	823 psig	63 °F	61 °F	64 °F			541 oz.
28	6/5/11	8:49 AM	833 psig	63 °F	61 °F	64 °F			573 oz.
29	6/5/11	8:50 AM	833 psig	63 °F	61 °F	64 °F	On Test		
30	6/5/11	9:00 AM	833 psig	64 °F	61 °F	64 °F			
31	6/5/11	9:10 AM	833 psig	65 °F	61 °F	64 °F			
32	6/5/11	9:20 AM	833 psig	63 °F	62 °F	64 °F	End Spike		
33	6/5/11	9:35 AM	780 psig	65 °F	62 °F	64 °F		3,456.00 oz.	
34	6/5/11	9:50 AM	780 psig	64 °F	63 °F	64 °F			
35	6/5/11	10:05 AM	780 psig	64 °F	64 °F	64 °F			
36	6/5/11	10:20 AM	781 psig	67 °F	64 °F	64 °F			
37	6/5/11	10:35 AM	781 psig	67 °F	65 °F	64 °F			
38	6/5/11	10:50 AM	781 psig	68 °F	65 °F	64 °F			
39	6/5/11	11:05 AM	781 psig	68 °F	65 °F	63 °F			
40	6/5/11	11:20 AM	781 psig	68 °F	65 °F	63 °F			
41	6/5/11	11:35 AM	781 psig	68 °F	65 °F	63 °F			
42	6/5/11	11:50 AM	781 psig	70 °F	65 °F	63 °F			
43	6/5/11	12:05 PM	781 psig	70 °F	65 °F	63 °F			



Dead Weight Log Sheet

Owner Company	Pacific Gas and Electric Company	Job Number	44490662 41474079
Construction Co.	ARB	Job Number	0629-53-3500-96
Testing Co.	Akri Corporation	Project No.	13-100
Test Section	PG&E T-11 Line 105N		
File Name	RCP 61362 - T-11, L-105N		

Date		5-Jun-11		Test Log					
Log No.	Test Period		Test Pressure	Temperature °F			Remarks		
	Date	Time		Ambient	Pipe		Comment	Bleed	Inject
				Unrestrained	Restrained				
44	6/5/11	12:20 PM	781 psig	71 °F	65 °F	63 °F			
45	6/5/11	12:35 PM	781 psig	71 °F	65 °F	63 °F			
46	6/5/11	12:50 PM	781 psig	70 °F	65 °F	63 °F			
47	6/5/11	1:05 PM	781 psig	71 °F	65 °F	63 °F			
48	6/5/11	1:20 PM	781 psig	70 °F	65 °F	63 °F			
49	6/5/11	1:35 PM	781 psig	70 °F	65 °F	63 °F			
50	6/5/11	1:50 PM	781 psig	67 °F	65 °F	63 °F			
51	6/5/11	2:05 PM	781 psig	67 °F	65 °F	63 °F			
52	6/5/11	2:20 PM	781 psig	67 °F	65 °F	63 °F			
53	6/5/11	2:35 PM	781 psig	66 °F	67 °F	63 °F			
54	6/5/11	2:50 PM	781 psig	67 °F	67 °F	63 °F			
55	6/5/11	3:05 PM	781 psig	66 °F	67 °F	63 °F			
56	6/5/11	3:20 PM	781 psig	66 °F	67 °F	63 °F			
57	6/5/11	3:35 PM	781 psig	65 °F	67 °F	63 °F			
58	6/5/11	3:50 PM	781 psig	65 °F	67 °F	63 °F			
59	6/5/11	4:05 PM	780 psig	65 °F	67 °F	63 °F			
60	6/5/11	4:20 PM	780 psig	64 °F	67 °F	63 °F			
61	6/5/11	4:35 PM	780 psig	63 °F	66 °F	63 °F			
62	6/5/11	4:50 PM	780 psig	63 °F	66 °F	63 °F			
63	6/5/11	5:05 PM	780 psig	63 °F	66 °F	64 °F	End of Test		
							Spike Test		17,606.0 oz.
							Hydrostatic Test	3,456.0 oz.	
Were leaks observed during the test period?			Exposed and buried pipe, no leaks observed.			High Test Pressure:		833 psig	
						Low Test Pressure:		780 psig	



Pipe Segment Volume Calculations

Company	Pacific Gas and Electric Company	Job Number	1111111111 - 41474079
Construction Co.	ARB	Job Number	0029-53-3504-95
Hydro. Test Co.	Akri Corporation	Project No.	13-100
Test Section	PG&E T-11 Line 105N	WATER	
File Name	RCP 61362 - I-11, L-105N		

General Pipe Data

Description	Segment			
	1	2	3	4
Restrained or Unrestrained?	Restrained	Restrained	Unrestrained	Unrestrained
Outside Diameter	24.000 in.	24.000 in.	24.000 in.	24.000 in.
Wall Thickness	0.375 in.	0.350 in.	0.375 in.	0.500 in.
Inside Diameter	23.250 in.	23.300 in.	23.250 in.	23.000 in.
Spec/Grade	API5L-X62	API5L-X62	API5L-X60	API5L-X60
Length Unrestrained			58 ft	22 ft
Length Restrained	4,581 ft	15 ft		
Temperature -- On Test	64 °F	64 °F	61.0 °F	61.0 °F
Temperature -- End of Test	64 °F	64 °F	66.0 °F	66.0 °F
Pressure -- On Test	833 psig	833 psig	833 psig	833 psig
Pressure -- End of Test	780 psig	780 psig	780 psig	780 psig

Unrestrained Pipe

Sum:	Vo	Vip1	Vip2
	1,754.01 gal 224,514 oz.		1,781.90 gal 225,523 oz.
Vo Unrestrained		1,279 gal	475 gal
Fwp 1		1.002551	1.002551
Fpp 1		1.002152	1.001592
Fpl 1		1.003018	1.003018
Fwt 1		1.000060	1.000090
Fpwt 1 = Fpp/Fwt		0.999939	0.999938
Vip 1 = Vo(Fwp)(Fpp)(Fpwt)		1,285.13 gal	478.77 gal
Fwp 2		1.002389	1.002389
Fpp 2		1.002015	1.001495
Fpl 2		1.003109	1.003109
Fwt 2		1.000362	1.000532
Fpwt = Fpp/Fwt		0.999527	0.999527
Vip 2 = Vo(Fwp)(Fpp)(Fpwt)		1,294.32 gal	476.45 gal

Restrained Pipe

Sum:	Vo	Vip1	Vip2
	101,592.01 gal 13,003,778 oz.		101,979.24 gal 13,053,343 oz.
Vo Restrained	101,254 gal	338 gal	
Fwp 1	1.002551	1.002551	
Fpp 1	1.001591	1.002389	
Fpl 1	1.003048	1.003048	
Fwt 1	1.000375	1.000375	
Fpwt 1 = Fpp/Fwt	0.999674	0.999674	
Vip 1 = Vo(Fwp)(Fpp)(Fpwt)	101,640 gal	340 gal	
Fwp 2	1.002389	1.002389	
Fpp 2	1.001481	1.002238	
Fpl 2	1.003048	1.003048	
Fwt 2	1.000375	1.000375	
Fpwt = Fpp/Fwt	0.999674	0.999674	
Vip 2 = Vo(Fwp)(Fpp)(Fpwt)	101,613 gal	339 gal	

Combined Pipe

Sum:	Vo	Vip1	Vip2
	103,345.03 gal 13,228,292 oz.		103,741.14 gal 13,270,866 oz.



Pipe Segment Volume Allowance Calculations

Company	Pacific Gas and Electric Company	Job Number	-41474079-411149062
Construction Co.	AMS	Job Number	0620-53-3500-95
Hydro. Test Co.	Akri Corporation	Project No.	13-100
Test Section	PG&E T-11 Line 105N		
File Name	RCP 81362 - T-11, L-105N		WATER

General Pipe Data

Description	Segment			
	1	2	3	4
Restrained or Unrestrained?	Restrained	Restrained	Unrestrained	Unrestrained
Outside Diameter	24.000 in.	24.000 in.	24.000 in.	24.000 in.
Wall Thickness	0.375 in.	0.250 in.	0.375 in.	0.500 in.
Inside Diameter	23.250 in.	23.500 in.	23.250 in.	23.000 in.
Spec. Grade	API5L-X62	API5L-X62	API5L-X60	API5L-X60
Length Unrestrained			58.00 ft	72 ft
Length Restrained	4.591 ft	15 ft		
Temperature -- On Test	63 °F	63 °F	63 °F	63 °F
Temperature -- End of Test	64 °F	64 °F	64 °F	64 °F
Pressure -- On Test				
Pressure -- End of Test				

Unrestrained Pipe

Sum	Vo	Vip1	Vip2
	1,754.01 gal 224,514 oz.		1,753.64 gal 224,466 oz.
Vo Unrestrained		1,279 gal 475 gal	
Fvp 1		1.000000	1.000000
Fpp 1		1.000000	1.000000
Fpl 1		1.000055	1.000055
Fwl 1		1.000267	1.000267
Fpwt 1 = Fpl/Fwl		0.999766	0.999786
Vip 1 = Vo(Fvp)(Fpp)(Fpwt)		1,278.91 gal 474.73 gal	
Fvp 2		1.000000	1.000000
Fpp 2		1.000000	1.000000
Fpl 2		1.000073	1.000073
Fwl 2		1.000375	1.000375
Fpwt = Fpl/Fwl		0.999696	0.999696
Vip 2 = Vo(Fvp)(Fpp)(Fpwt)		1,278.80 gal 474.69 gal	

Restrained Pipe

Sum	Vo	Vip1	Vip2
	101,592.01 gal 13,053,778 oz.		101,589.67 gal 13,053,918 oz.
Vo Restrained	101,254 gal 338 gal		
Fvp 1	1.000000	1.000000	
Fpp 1	1.000011	1.000011	
Fpl 1	1.000036	1.000036	
Fwl 1	1.000267	1.000267	
Fpwt 1 = Fpl/Fwl	0.999766	0.999766	
Vip 1 = Vo(Fvp)(Fpp)(Fpwt)	101,232 gal 338 gal		
Fvp 2	1.000000	1.000000	
Fpp 2	1.000014	1.000014	
Fpl 2	1.000046	1.000046	
Fwl 2	1.000375	1.000375	
Fpwt = Fpl/Fwl	0.999674	0.999674	
Vip 2 = Vo(Fvp)(Fpp)(Fpwt)	101,222 gal 338 gal		

Combined Pipe

Sum	Vo	Vip1	Vip2
	103,346.03 gal 13,228,292 oz.		103,313.83 gal 13,224,171 oz.
1 °F Change	9.48 gal		1,213.02 oz.



Hydrostatic Test Pipe Data Table

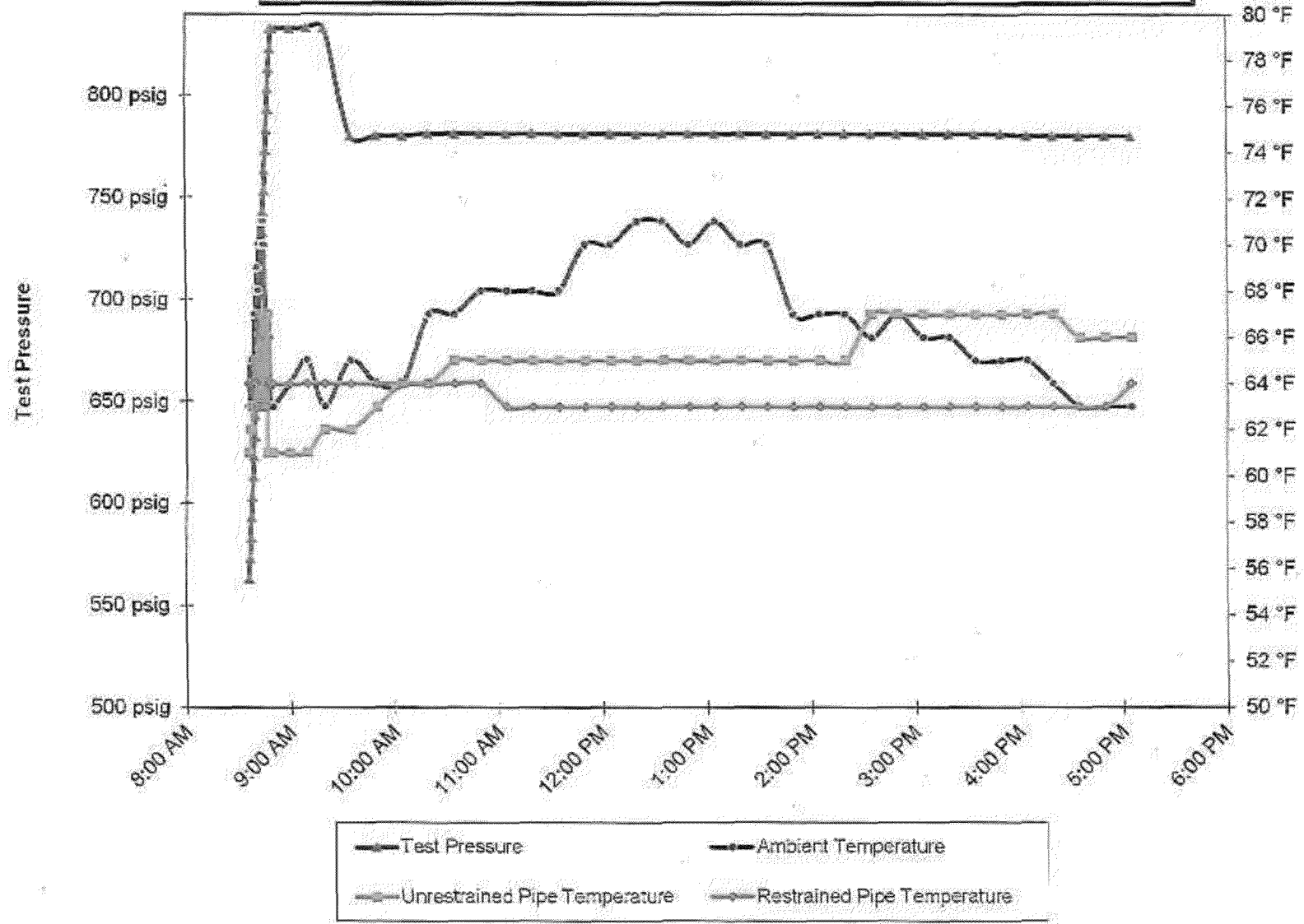
Pipe Type	Length	Restrained / Unrestrained	Outside Diameter	Wall Thickness	Specification & Grade	Pipe Yield Pressure	Material	Joint Type	Seam Type
1	4,591 ft	Restrained	24.000 in.	0.3750 in.	API5L-X52	1,625 psig	Steel	Arc Weld	DSAW
2	15 ft	Restrained	24.000 in.	0.2500 in.	API5L-X52	1,083 psig	Steel	Arc Weld	DSAW
3	58 ft	Unrestrained	24.000 in.	0.3750 in.	API6L-X60	1,875 psig	Steel	Arc Weld	DSAW
4	22 ft	Unrestrained	24.000 in.	0.5000 in.	API5L-X60	2,500 psig	Steel	Arc Weld	SM

Hydrostatic Test Project Owner & Participants

Owner Company	Pacific Gas and Electric Company	Job Number
Address	3600 Adobe Rd Potluma, Ca 94954 Attention: Joel Mannie	41474079
Construction Company	ARB	Job Number
Address	1875 Loveridge Road Pittsburg, CA 94565 Attention: Redacted	0629-53-3500-96
Hydrostatic Test Co.	Akri Corporation	Project No.
Address	1414 Valhalla Drive Bakersfield, California 93309 Attention: Redacted	13-100
Test Section	PG&E T-11 Line 105N From: 46+03 To: 0+00	
File Name	RCP 61362 - T-11, L-105N	

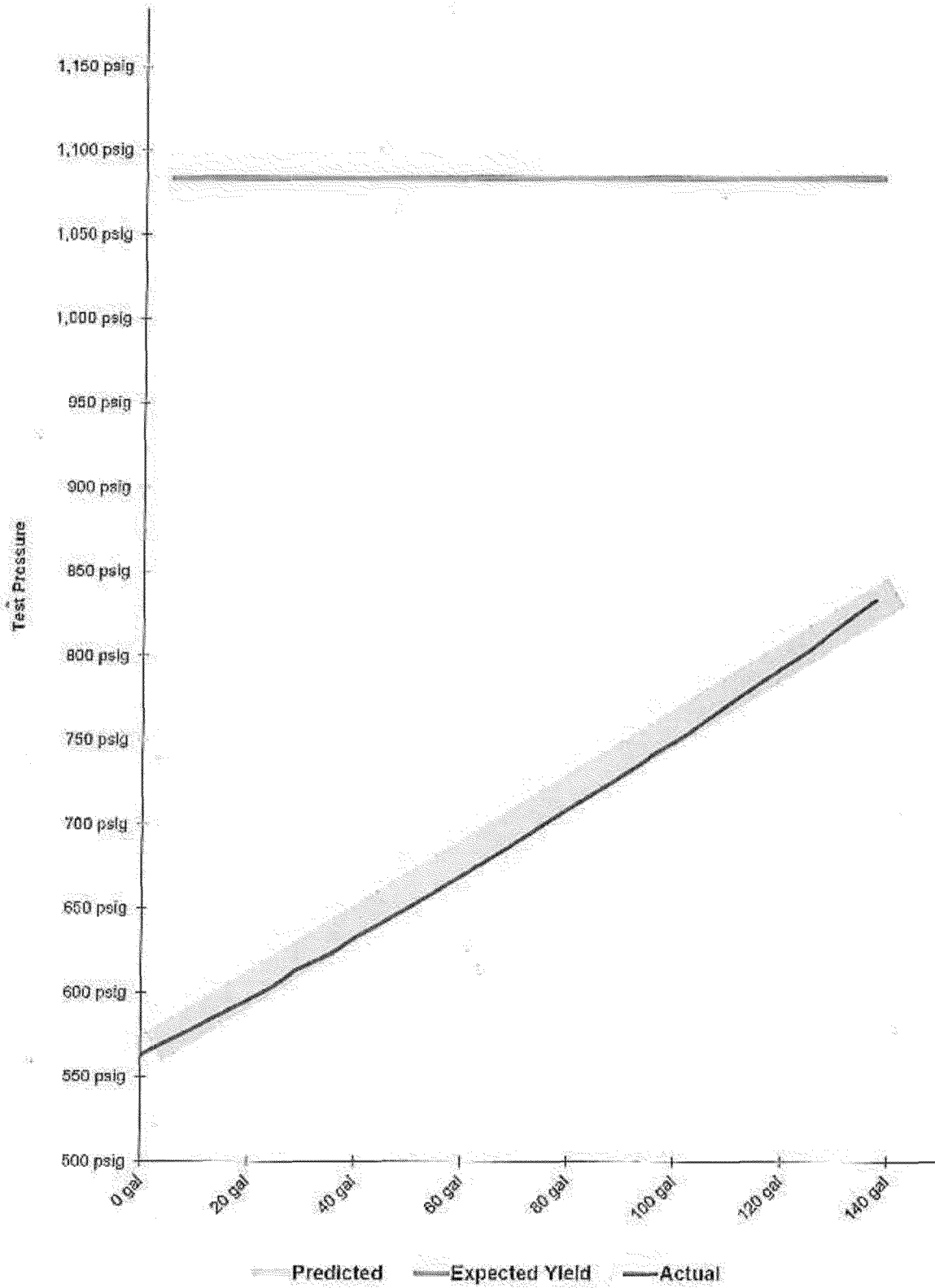
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PG&E T-11 Line 105N



SB_GT&S_0502515

Spike Pressure Test
Stress Strain Curve -- PG&E T-11 Line 105N





Actual Pressure Volume Plot Data			Predicted Pressure Volume Plot Data	Slope		Spika Pressure Test Stress Strain Curve -- PG&E T-11 Line 105N	
Pressure	Strokes	Gallons	Gallons	Actual	Predicted		
563 psig	0	0.00 gal		0	0.00 gal	Pump gal per stroke	0.056 gal/stroke
573 psig	174	6.23 gal	5.13 gal	0.623	0.513	Pump Piston Diameter	1.250 in
583 psig	348	12.46 gal	10.26 gal	0.623	0.513	Pump Piston Stroke	3.50 in
593 psig	518	18.54 gal	15.39 gal	0.608	0.513	Pump Cylinders	3 ea
603 psig	683	24.45 gal	20.52 gal	0.591	0.513	Volume check gal per stroke	0.036 gal/stroke
613 psig	808	28.92 gal	25.66 gal	0.447	0.513	Volume Released (gallons)	27.00 gal
623 psig	904	35.58 gal	30.79 gal	0.606	0.513	Pressure Reduced (psi)	53 psi
633 psig	1123	40.19 gal	35.92 gal	0.462	0.513	Maximum2	150 gal
643 psig	1283	45.92 gal	41.05 gal	0.573	0.513	Minimum2	0 gal
653 psig	1435	51.36 gal	46.19 gal	0.544	0.513	Maximum1	1,184 psig
663 psig	1580	56.55 gal	51.32 gal	0.519	0.513	Minimum1	500 psig
673 psig	1729	61.68 gal	56.45 gal	0.533	0.513	Gallons/Stroke Used	0.036 gal/stroke
683 psig	1876	67.15 gal	61.59 gal	0.526	0.513	Predicted Gallons/Stroke	0.036 gal/stroke
693 psig	2016	72.16 gal	66.72 gal	0.501	0.513	Pressure Increment	10 psi
703 psig	2148	76.88 gal	71.86 gal	0.472	0.513	Max Pressure	833 psig
713 psig	2280	81.98 gal	76.99 gal	0.508	0.514	Ground Temperature	64 °F
723 psig	2436	87.19 gal	82.13 gal	0.523	0.514	Ambient Temperature	61 °F
733 psig	2571	92.02 gal	87.28 gal	0.483	0.514	ASME B31.8 Appendix N-5	
743 psig	2700	96.64 gal	92.40 gal	0.462	0.514		
753 psig	2849	101.97 gal	97.54 gal	0.533	0.514	Average Actual Elastic Slope	0.509
763 psig	2989	106.27 gal	102.67 gal	0.429	0.514	Average Predicted Elastic Slope	0.513
773 psig	3095	110.78 gal	107.81 gal	0.451	0.514	Code Prescribed Minimum Yield Slope (less 10% B31.8 N-5 (c)(2))	0.968
783 psig	3226	115.46 gal	112.95 gal	0.469	0.514	Established Minimum Yield Pressure B31.8 N-5 (c)(2)	833 psig
793 psig	3355	120.08 gal	118.09 gal	0.482	0.514	Maximum Allowed Volume (After Slope Deviation) B31.8 N-5 (c)(2)	418 gal
803 psig	3492	124.88 gal	123.22 gal	0.490	0.514	Volume (After Slope Deviation) B31.8 N-5 (c)(2)	0 gal
813 psig	3600	128.85 gal	128.36 gal	0.387	0.514	<div style="border: 1px solid black; width: 100%; height: 100%; display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; width: 80%; height: 80%; margin-bottom: 5px;">Redacted</div> <div style="margin-left: 20px;">6/14/2011</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> Redacted P. E. Date </div>	
823 psig	3718	133.07 gal	133.50 gal	0.422	0.514		
833 psig	3843	137.55 gal	138.64 gal	0.447	0.514		
833 psig		137.55 gal	138.64 gal	0.000	0.000		
833 psig		137.55 gal	138.64 gal	0.000	0.000		
833 psig		137.55 gal	138.64 gal	0.000	0.000		
833 psig		137.55 gal	138.64 gal	0.000	0.000		
833 psig		137.55 gal	138.64 gal	0.000	0.000		
833 psig		137.55 gal	138.64 gal	0.000	0.000		
833 psig		137.55 gal	138.64 gal	0.000	0.000		
833 psig		137.55 gal	138.64 gal	0.000	0.000		
833 psig		137.55 gal	138.64 gal	0.000	0.000		
833 psig		137.55 gal	138.64 gal	0.000	0.000		
833 psig		137.55 gal	138.64 gal	0.000	0.000		
833 psig		137.55 gal	138.64 gal	0.000	0.000		

Redacted

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