



Pacific Gas and Electric Company
Gas Pipeline Facilities Strength Test Pressure Report
 (For Pipeline Facilities Designed to Operate over 100 PSIG)

62-4921 (Rev. 2/04)
 California Gas Transmission
 (Use in Accordance with Gas Standard A-31 and GO 112-0)

Sheet 1 of 2

PART I - DESIGN DATA (TO BE PREPARED BY PROJECT ENGINEER)														
Feeder Main Number, Line Number, or Station Name L-300A			Area 3		Division/District San Jose			Job Number 41497327		Date Job Authorized August 31, 2011				
Description of Job -- Include Reference Drawing Numbers, and Pipeline Mileposts Test 3 - Tie-in pieces, hydrostatic test piping and existing 34" L-300A. Existing pipeline material listed; ie. pipe, elbows, sleeves, are from the "Material of Record" (refer to Dwg 41497327, sheet 7 of 7)														
Hydrotest L-300A from MP 475.26 - 475.77 Morgan Hill, CA (Test section 67B)														
Location Class 3		Design Factor (F) .5		MAOP to be Established for this Piping by this Test 631 PSIG				Future Design Pressure 631 PSIG						
STATIC HEAD DUE TO ELEVATION DIFFERENCE (WHERE APPLICABLE)			Max. Elevation 400 Ft.		Static Head Calculation			Min. Elevation 389 Ft.		For Water 0.433 X Elev. Diff. = 4.8 PSIG				
			Elev. Diff. 11 Ft.		Other (Specify)			X Elev. Diff. =		PSIG				
Pipe Specification														
Size		API or ASTM Grade			Footage to Be Tested		Pipe Spec. and Footage Verified In Field		% of SMYS			Pressure to Give 90% SMYS		
O.D.	W.T.	Long Seam (ERW, DSAW, Seamless, Etc.)							At MAOP	At Min. Test Press.	At Max. Test Press.			
34.00	.375	API 5L, X-65, DSAW (Item #100)			48'		37.0 RLC		44.01	66.05	72.18	1291		
34.00	.505	Elbow, Y-60 (Item #118)			4 ea.		MOR RLC		35.40	53.13	58.07	1604		
34.00	.505	API 5L, X-60, DSAW (Item #1)			42'		MOR RLC		35.40	53.13	58.07	1604		
34.00	.500	API 5L, X-60, DSAW (Item #2)			20'		MOR RLC		35.76	53.66	58.65	1588		
34.00	.380	API 5L, X-60, DSAW (Item #3)			6'		MOR RLC		47.05	70.61	77.17	1207		
34.00	.344	API 5L, X-52, DSAW (Item #4)			2551'		2592.0 RLC		59.97	90.00	98.36	947		
34.00	.500	API 5L, X-65 DSAW			-		46.1 RLC		33.01	49.54	54.14	1721		
Minimum Test Pressure @ Max. Elevation				947 PSIG				Test Fluid To Be Used WATER		MINIMUM TEST DURATION - UNDER 30% SMYS (1 HR. MINIMUM) - 30% SMYS & OVER (8 HRS. MINIMUM) - PREINSTALLATION TEST (SEE ATTACHMENT 'A', GAS STD. A-34)			8 HOURS	
Maximum Test Pressure @ Min. Elevation				1035 PSIG				Redacted		9/1/2011			For Information or Changes, Call: Mark Cabral (925) 588-3640	
Redacted				Date:				Approved By:		Date:			Mark Cabral 9-1-11	

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		Elevation at Test Point		393 FT		Min. Required Test Press. At Test Point (1)		950 PSIG		Max. Allowable Test Press at Test Point (4)		1033 PSIG	
Time and Date Test Ended		Max. Elevation in Test Section		400 FT		Min. Indicated Test Pressure (2)		960 PSIG		Max. Indicated Test Pressure (5)		1026 PSIG	
Actual Duration of Test		Min. Elevation in Test Section		389 FT		Min. Test Pressure at Max. Elevation (3)		957 PSIG		Max. Test Pressure at Min. Elevation (6)		1028 PSIG	
Test Fluid Used Water				Pipe Specification and Footage Verified (See Part I) RLC A429									
Make, Range, and Serial No. of Pressure Recording Gauge Barton, 0-3000, 202A-175572				Date Last Calibrated 6-7-11		Make, Range, and Serial No. of Dead Weight Tester (See Note 7) Chandler, 50-3000, 16393				Date Last Calibrated 5-19-11			
Redacted				Date: 10-22-11		Approved Redacted				Date: 11-2-11			

PUT SCHEMATIC PIPING SKETCH ON BACK OF THIS SHEET
 SHOW LOCATION OF FACILITY TESTED, MINIMUM AND MAXIMUM ELEVATION IN FEET, MILE POINTS, VALVE NUMBERS AND INCORPORATED AREAS. USE AN ADDITIONAL SHEET IF NECESSARY (SHOW REFERENCE NUMBERS ON FACE OF ALL DRAWINGS AND ATTACHMENTS). FOR STATION PIPING, FABRICATED UNITS AND SHORT SECTIONS OF PIPE, ALSO SHOW A DETAILED SKETCH OF EACH ASSEMBLY TESTED.

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| <p>NOTES:</p> <ol style="list-style-type: none"> (1) Add the static head due to elevation difference (between test point and maximum elevation) to "minimum test pressure at maximum elevation" from PART I. (2) Use lowest pressure on test gauge at any time during test. (3) Subtract static head due to elevation difference (between test point and maximum elevation) from minimum indicated test pressure. (4) Subtract static head due to elevation difference (between test point and minimum elevation) from "maximum test pressure at minimum elevation" from PART I. (5) Highest pressure on test gauge at any time during test. (6) Add static head due to elevation difference (between test point and minimum elevation) to maximum indicated test pressure. (7) A dead weight tester is only required when testing to a pressure which produces a stress level of 90% of SMYS or greater. However, if a dead weight tester is used on any test, enter the information in the space provided above. | <p>DISTRIBUTION</p> <p>JOB FILE (AT SPONSORING ORGANIZATION)</p> <p>GSM&TS RESPONSIBLE DISTRICT SUPERINTENDENT</p> <p>PROJECT MANAGER/PROJECT ENGINEER</p> <p>TECHNICAL & CONSTRUCTION SERVICES - ASSIGNED JOBS ONLY</p> <p>CAPITAL ACCOUNTING (FOREMAN'S COPY OF JOB)</p> <p>RECORDS SECTION (WC), GSM&TS</p> <p>REPORT FAILURES UNDER TEST TO GAS ENGINEERING & PLANNING</p> |
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Pacific Gas and Electric Company
Gas Pipeline Facilities Strength Test Pressure Report
 (For Pipeline Facilities Designed to Operate over 100 PSIG)

62-4921 (Rev. 2/04)
 California Gas Transmission
 (Use in Accordance with Gas Standard A-34 and GO 112-0)

Sheet 2 of 2

PART I - DESIGN DATA (TO BE PREPARED BY PROJECT ENGINEER)										
Feeder Main Number, Line Number, or Station Name L-300A		Area 3	Division/District San Jose			Job Number 41497327	Date Job Authorized August 31, 2011			
Description of Job -- Include Reference Drawing Numbers, and Pipeline Mileposts Test 3 - Tie-in pieces, hydrostatic test piping and existing 34" L-300A. Existing pipeline material listed; ie. pipe, elbows, sleeves, are from the "Material of Record" (refer to Dwg 41497327, sheet 7 of 7)										
Hydrotest L-300A from MP 475.26 - 475.77 Morgan Hill, CA (Test section 67B)										
Location Class 3	Design Factor (F) .5	MAOP to be Established for this Piping by this Test 631 PSIG			Future Design Pressure 631 PSIG					
STATIC HEAD DUE TO ELEVATION DIFFERENCE (WHERE APPLICABLE)		Max. Elevation 400 Ft.	Slatic Head Calculation		For Water 0.433 X Elev. Diff. = 4.8 PSIG					
		Min. Elevation 389 Ft.	Other (Specify)		X Elev. Diff. = PSIG					
		Elev. Diff. 11 Ft.								
Pipe Specification				Footage to Be Tested	Pipe Spec. and Footage Verified in Field	% of SMYS			Pressure to Give 90% SMYS	
O.D.	W.T.	API or ASTM Grade Long Seam (ERW, DSAW, Seamless, Etc.)	At MAOP			At Min. Test Press.	At Max. Test Press.			
34.00	.505	Tee, 34"x34"x12", Y-60 (Item #6)	1 ea.	2 MOR RLC	35.40	53.13	58.07	1604		
12.75	.375	API 5L, GR B, SMLS (Item #6)	33'	MOR RLC	30.65	46.00	50.27	1853		
2.375	.154	API 5L, GR B, SMLS (Item #7)	70'	MOR RLC	13.90	20.86	22.80	4085		
1.050	.113	API 5L, GR B, SMLS (Item #8)	5'	MOR RLC	8.38	12.57	13.74	6780		
34.00	UNK	VALVE, BALL, ANSI 400 (Item #9)	1 ea.	MOR RLC	-	-	-	-		
2.375	UNK	VALVE, BALL, ANSI 300	1 ea.	RLC	-	-	-	-		
Minimum Test Pressure @ Max. Elevation		947 PSIG		Test Fluid To Be Used WATER	MINIMUM TEST DURATION - UNDER 30% SMYS (1 HR. MINIMUM) - 30% SMYS & OVER (8 HRS. MINIMUM) - PREINSTALLATION TEST (SEE ATTACHMENT 'A', GAS STD. A-34)			8 HOURS		
Maximum Test Pressure @ Min. Elevation		1035 PSIG								
Redacted		9/1/2011		For Information or Changes, Call: Mark Cabral (925) 588-3640		Approved By: <i>Mark Cabral</i>		Date: 9-1-11		
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	11:00AM 10/20/11	Elevation at Test Point	393 FT	Min. Required Test Press. At Test Point (1)	950 PSIG	Max. Allowable Test Press at Test Point (4)	1033 PSIG			
Time and Date Test Ended	7:15PM 10/20/11	Max. Elevation in Test Section	400 FT	Min. Indicated Test Pressure (2)	960 PSIG	Max. Indicated Test Pressure (5)	1026 PSIG			
Actual Duration of Test	8hrs. 15min	Min. Elevation in Test Section	389 FT	Min. Test Pressure at Max. Elevation (3)	957 PSIG	Max. Test Pressure at Min. Elevation (6)	1028 PSIG			
Test Fluid Used Water		Pipe Specification and Footage Verified (See Part I) RLC A429								
Make, Range, and Serial No. of Pressure Recording Gauge Barton 0-3000, 202A-115572		Date Last Calibrated 6-7-11		Make, Range, and Serial No. of Dead Weight Tester (See Note 7) Chandler 50-3000, 16393			Date Last Calibrated 5-18-11			
Redacted		Date: 10-22-11		Approved By: Redacted			Date: 11-2-11			
PUT SCHEMATIC PIPING SKETCH ON BACK OF THIS SHEET										
SHOW LOCATION OF FACILITY TESTED, MINIMUM AND MAXIMUM ELEVATION IN FEET, MILE POINTS, VALVE NUMBERS AND INCORPORATED AREAS. USE AN ADDITIONAL SHEET IF NECESSARY (SHOW REFERENCE NUMBERS ON FACE OF ALL DRAWINGS AND ATTACHMENTS). FOR STATION PIPING, FABRICATED UNITS AND SHORT SECTIONS OF PIPE, ALSO SHOW A DETAILED SKETCH OF EACH ASSEMBLY TESTED.										
NOTES:					DISTRIBUTION					
(1) Add the static head due to elevation difference (between test point and maximum elevation) to "minimum test pressure at maximum elevation" from PART I.					JOB FILE (AT SPONSORING ORGANIZATION)					
(2) Use lowest pressure on test gauge at any time during test.					GSM&TS RESPONSIBLE DISTRICT SUPERINTENDENT					
(3) Subtract static head due to elevation difference (between test point and maximum elevation) from minimum indicated test pressure.					PROJECT MANAGER/PROJECT ENGINEER					
(4) Subtract static head due to elevation difference (between test point and minimum elevation) from "maximum test pressure at minimum elevation" from PART I.					TECHNICAL & CONSTRUCTION SERVICES - ASSIGNED JOBS ONLY					
(5) Highest pressure on test gauge at any time during test.					CAPITAL ACCOUNTING (FOREMAN'S COPY OF JOB)					
(6) Add static head due to elevation difference (between test point and minimum elevation) to maximum indicated test pressure.					RECORDS SECTION (WC), GSM&TS					
(7) A dead weight tester is only required when testing to a pressure which produces a stress level of 90% of SMYS or greater. However, if a dead weight tester is used on any test, enter the information in the space provided above.					REPORT FAILURES UNDER TEST TO GAS ENGINEERING & PLANNING					

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