



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

# FINAL

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

Sheet 1 of 1

PART I - DESIGN DATA (TO BE PREPARED BY PROJECT ENGINEER)										
Feeder Main Number, Line Number, or Station Name <b>L-400</b>		Area <b>2 &amp; 6</b>		Division/District <b>Diablo/Los Medanos</b>			Job Number <b>41474058</b>		Date Job Authorized <b>9/28/11</b>	
Description of Job -- Include Reference Drawing Numbers, and Pipeline Mileposts <b>Test 4 - Hydrostatically test tie-in pieces, hydrostatic test piping and existing 26" L-400. Existing pipeline material listed; ie. pipe, elbows, sleeves, are from the "Material of Record" (refer to Dwg 41474058, sheet 7 of 7)</b>										
Hydrotest L-400 from <b>Redacted</b> Antioch, CA (Test section 93B)										
Location Class <b>1</b>		Design Factor (F) <b>.50</b>		MAOP to be Established for this Piping by this Test <b>975 PSIG</b>			Future Design Pressure <b>975 PSIG</b>			
STATIC HEAD DUE TO ELEVATION DIFFERENCE (WHERE APPLICABLE)		Max. Elevation <b>20</b> Ft.		Static Head Calculation			For Water 0.433 X Elev. Diff. = <b>70.8 29 21</b> PSIG			
		Min. Elevation <b>-47.42</b> Ft.		Other (Specify)			X Elev. Diff. = <b>PSIG</b>			
		Elev. Diff. <b>67.42</b> Ft.								
Pipe Specification				Pipe Spec. and Footage Verified		% of SMYS			Pressure to Give 90% SMYS	
Size	API or ASTM Grade			Footage to Be Tested	Footage Verified	At MAOP	At Min. Test Press.	At Max. Test Press.		
O.D.	W.T.	Long Seam (ERW, DSAW, Seamless, Etc.)								
26.00	0.500	Pipe, API-5L X-52, DSAW (item#1)			23457'	<del>23457</del> AT	48.75	73.15	82.00	1800
26.00	0.500	Pipe, API-5L X-65, DSAW (item#104)			48'	72.1 AT	39.00	58.52	65.60	2250
26.00	0.500	Elbow, Y-52, LR (item#2)			17 Ea.	MOR	48.75	73.15	82.00	1800
26.00	0.500	Elbow, Y-60, LR (item#125)			4 Ea.	4	42.25	63.40	71.07	2077
Minimum Test Pressure @ Max. Elevation				<b>1463 PSIG</b>		Test Fluid To Be Used <b>WATER</b>		MINIMUM TEST DURATION - UNDER 30% SMYS (1 HR. MINIMUM) - 30% SMYS & OVER (8 HRS. MINIMUM)		<b>8 HOURS</b>
Maximum Test Pressure @ Min. Elevation				<b>1640 PSIG</b>				- PREINSTALLATION TEST (SEE ATTACHMENT 'A', GAS STD. A-34)		
Prepared By: <b>Mark Cabral</b>		Date: <b>10-19-11</b>		For Information or Changes, Call: <b>Redacted</b>			Appr: <b>Redacted</b>		Date: <b>10/19/11</b>	
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	<b>1:45 PM</b>	Elevation at Test Point	<b>7</b> FT	Min. Required Test Press. at Test Point (1)	<b>1,468.63</b> PSIG	Max. Allowable Test Press at Test Point (4)	<b>1,616.60</b> PSIG			
Time and Date Test Ended	<b>10:00 PM</b>	Max. Elevation in Test Section	<b>20</b> FT	Min. Indicated Test Pressure (2)	<b>1,499.00</b> PSIG	Max. Indicated Test Pressure (5)	<b>1,501.00</b> PSIG			
Actual Duration of Test	<b>8-Hours 15-minutes</b>	Min. Elevation in Test Section	<b>-47</b> FT	Min. Test Pressure at Max. Elevation (3)	<b>1,493.37</b> PSIG	Max. Test Pressure at Min. Elevation (6)	<b>1,524.40</b> PSIG			
Test Fluid Used <b>water</b>				Pipe Specification and Footage Verified (See Part I) <b>72.8 AS91</b>						
Make, Range, and Serial No. of Pressure Recording Gauge <b>Barton 9-2000, 242E-4001</b>			Date Last Calibrated <b>10-21-11</b>		Make, Range, and Serial No. of Dead Weight Tester (See Note 7) <b>AMETEK 125-3000 111-4321</b>			Date Last Calibrated <b>10-16-11</b>		
Redacted		Date: <b>11-2-11</b>		Approved By: <b>Redacted</b>			Date: <b>11-3-11</b>			
<b>PUT SCHEMATIC/PIPING SKETCH ON BACK OF THIS SHEET</b>										
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.										
<b>NOTES:</b>					<b>DISTRIBUTION</b>					
(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					