



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

62-4921 (Rev. 7/98)  
 California Gas Transmission  
 (Use in Accordance with Gas Standard A-34 and 49CFR Part 192)

Sheet \_\_\_\_\_ of \_\_\_\_\_

**PART I - DESIGN DATA (TO BE PREPARED BY PROJECT ENGINEER)**

Feeder Main, Line Number, or Station		Area		Division/District		Job Number		Date Job Authorized		
Description of Job -- Include Reference Drawing Numbers										
Location Class		Design Factor (F)		MAOP of Existing Facilities PSIG		MAOP to be Established for this Section by this Test PSIG		Design Pressure -- This Section (Use Future Design Pressure Whenever Possible) PSIG		
STATIC HEAD DUE TO ELEVATION DIFFERENCE (WHERE APPLICABLE)		Max. Elevation _____ Ft. Min. Elevation _____ Ft. Elev. Diff. _____ Ft.		Static Head Calculation for Water Other (Specify) _____		0.433 X Elev. Diff. = _____ PSIG 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 Design Pressure	At Min. Test Press.	At Max. Test Press.	
Minimum Test Pressure @ Max. Elevation		PSIG		Test Fluid To Be Used		MINIMUM TEST DURATION - UNDER 30% SMYS (1 HR. MINIMUM) - 30% SMYS & OVER (3 HRS. MINIMUM) - PREINSTALLATION TEST (SEE APPENDIX "A", GAS STD. A-34)			HOURS	
Maximum Test Pressure @ Min. Elevation		PSIG								
Prepared By:		Date:		For Information or Changes, Call:			Approved By:		Date:	

**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		Min. Required Test Press. at Test Point (1)		Max. Allowable Test Press at Test Point (4)				
Time and Date Test Ended		Max. Elevation in Test Section		Min. Indicated Test Pressure (2)		Max. Indicated Test Pressure (5)				
Actual Duration of Test		Min. Elevation in Test Section		Min. Test Pressure at Max. Elevation (3)		Max. Test Pressure at Min. Elevation (6)				
Test Fluid Used				Pipe Specification and Footage Verified (See Part I)						
Make, Range, and Serial No. of Pressure Recording Gauge			Date Last Calibrated		Make, Range, and Serial No. of Dead Weight Tester (See Note 7)			Date Last Calibrated		
Test Supervised By:				Date:		Approved By:			Date:	

**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.

<p><b>NOTES:</b></p> <p>(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.</p> <p>(2) Use lowest pressure on test gauge at any time during test.</p> <p>(3) Subtract static head due to elevation difference (between test point and maximum elevation) from minimum indicated test pressure.</p> <p>(4) Subtract static head due to elevation difference (between test point and minimum elevation) from "maximum test pressure at minimum elevation" from PART I.</p> <p>(5) Highest pressure on test gauge at any time during test.</p> <p>(6) Add static head due to elevation difference (between test point and minimum elevation) to maximum indicated test pressure.</p> <p>(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>	<p><b>DISTRIBUTION</b></p> <p>JOB FILE (AT SPONSORING ORGANIZATION)</p> <p>GAS SYSTEM MAINTENANCE and TECHNICAL SUPPORT SUPERINTENDENT</p> <p>PROJECT MANAGER/PROJECT ENGINEER</p> <p>TECHNICAL &amp; CONSTRUCTION SERVICES - ASSIGNED JOBS ONLY</p> <p>CAPITAL ACCOUNTING (FOREMAN'S COPY OF JOB)</p> <p>RECORDS, GAS SYSTEM MAINTENANCE and TECHNICAL SUPPORT - TRANSMISSION JOBS ONLY</p> <p>REPORT FAILURES UNDER TEST TO GAS ENGINEERING &amp; PLANNING</p>
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