



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

**62-4921 (Rev. 6/03)**  
 California Gas Transmission  
 (Use according to Gas Standard A-34 and 49CFR Part 192)  
**Sheet of**

<b>PART I - DESIGN DATA (TO BE PREPARED BY PROJECT ENGINEER)</b>				
Feeder Main, Line Number, or Station	Area	Division/District	Job Number	Date Job Authorized

Description of Job — Include Reference Drawing Numbers

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Location Class	Design Factor (F)	MAOP of Existing Facilities	MAOP to Be Established for This Section by This Test	Design Pressure — This Section (Use Future Design Pressure Whenever Possible)
		psig	psig	psig

STATIC HEAD DUE TO ELEVATION DIFFERENCE (WHERE APPLICABLE)	Max. Elevation _____ Ft.	Min. Elevation _____ Ft.	Elev. Diff. _____ Ft.	Static Head Calculation for Water $0.433 \times \text{Elev. Diff.} =$ _____ psig Other (Specify) _____ x Elev. Diff. = _____ psig
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Size		Pipe Specification API or ASTM Grade Long Seam (ERW, DSAW, Seamless, Etc.)	Footage to Be Tested	Verified in Field (Pipe Spec. and Footage)	At Design Pressure	% of SMYS			Pressure to Give 90% SMYS
OD	WT					At Min. Test Press.	At Max. Test Press.	At 90% SMYS	

Minimum Test Pressure @ Max. Elevation	psig	Test Medium To Be Used	<b>MINIMUM TEST DURATION</b> - UNDER 30% SMYS (1 HR. MINIMUM) - 30% SMYS & OVER (8 HRS. MINIMUM) - PRE-INSTALLATION TEST (See Attachment "A", Gas Std. A-34)	HOURS
Maximum Test Pressure @ Min. Elevation	psig			

Prepared By: _____	Date: _____	For Information or Changes, Call: _____	Approved By: _____	Date: _____
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**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.

- NOTES:**
- (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.

- DISTRIBUTION**
- JOB FILE (AT SPONSORING ORGANIZATION)
  - GAS SYSTEM MAINTENANCE and TECHNICAL SUPPORT SUPERINTENDENT
  - PROJECT MANAGER/PROJECT ENGINEER
  - CAPITAL ACCOUNTING (FOREMAN'S COPY OF JOB)
  - RECORDS, GAS SYSTEM MAINTENANCE and TECHNICAL SUPPORT - TRANSMISSION JOBS ONLY
  - REPORT FAILURES UNDER TEST TO GAS ENGINEERING & PLANNING