



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

CG-601 (Rev. 1/86)  
 Gas & Electric Technical Services  
 (Use in Accordance with Gas Std. A-34 and GE 112)

Sheet 1 of 1

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

Feeder Main, Line No., or Sta. 191B	Region/PLD EAST BAY	Division/Area DIABLO	Job Order No. GM 4794871	Date Job Order Authorized 12/19/89
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Description of Job—include Reference Drawing Numbers  
 Reference 5,772' of 8" main with 10" main, Briones Regional Park, Lafayette  
 Reference Dwg. 489101, field sta. 55+07.0 to 56+04.2 (creek crossing span)

Location Class 3	Design Factor (F) .5	MAOP of Existing Facilities 283 PSIG	MAOP to be Established for This Section by This Test 400 PSIG	Design Pressure—This Section (Use Future Design Pressure Whenever Possible) 400 PSIG
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STATIC HEAD DUE TO ELEVATION DIFFERENCE (WHERE APPLICABLE)	Max. Elevation Min. Elevation Elev. Diff.	6-254 549 3-2	FT.	Static Head Calculation for Water 0.433 X Elev. Diff. = 38.54 PSIG	Other (Specify) _____ X Elev. Diff. = _____ PSIG
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Size		Pipe Specification	Footage To Be Tested	Pipe Spec. and Footage Verified in Field	% of SMYS			Press. to Give 90% SMYS
O.D.	W.T.	API or ASTM Grade Long Seam (ERW, DSAW, Seamless, Etc.).			At Design Press.	At Min. Test Press.	At Max. Test Press.	
8.750	.375	API-5L GR-B SEAMLESS	60'	NJ	19.43	40.00	97.77	1853
8.750	.219	API-5L X-52 ERW	327'	NJ	18.88	27.46	95.01	1907

Minimum Test Pressure @ Max. Elevation 1853 PSIG	Test fluid to be used. WATER	MINIMUM TEST DURATION: - UNDER 30% SMYS (1 HR. MIN.) - 30% SMYS & OVER (8 HR. MIN.) - PREINSTALLATION TEST (SEE APPENDIX "A", GAS STD. A-34)	8 HRS.
Maximum Test Pressure @ Min. Elevation 2013 PSIG			
Prepared By ELAINE CHOW	Date 8/22/90	For Information or Changes, Call ext. 223-1888	Approved By <i>[Signature]</i> Date 8-22-90

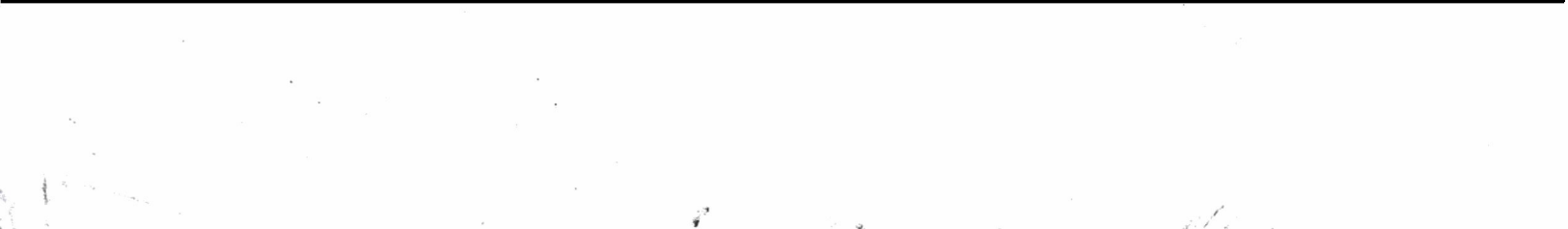
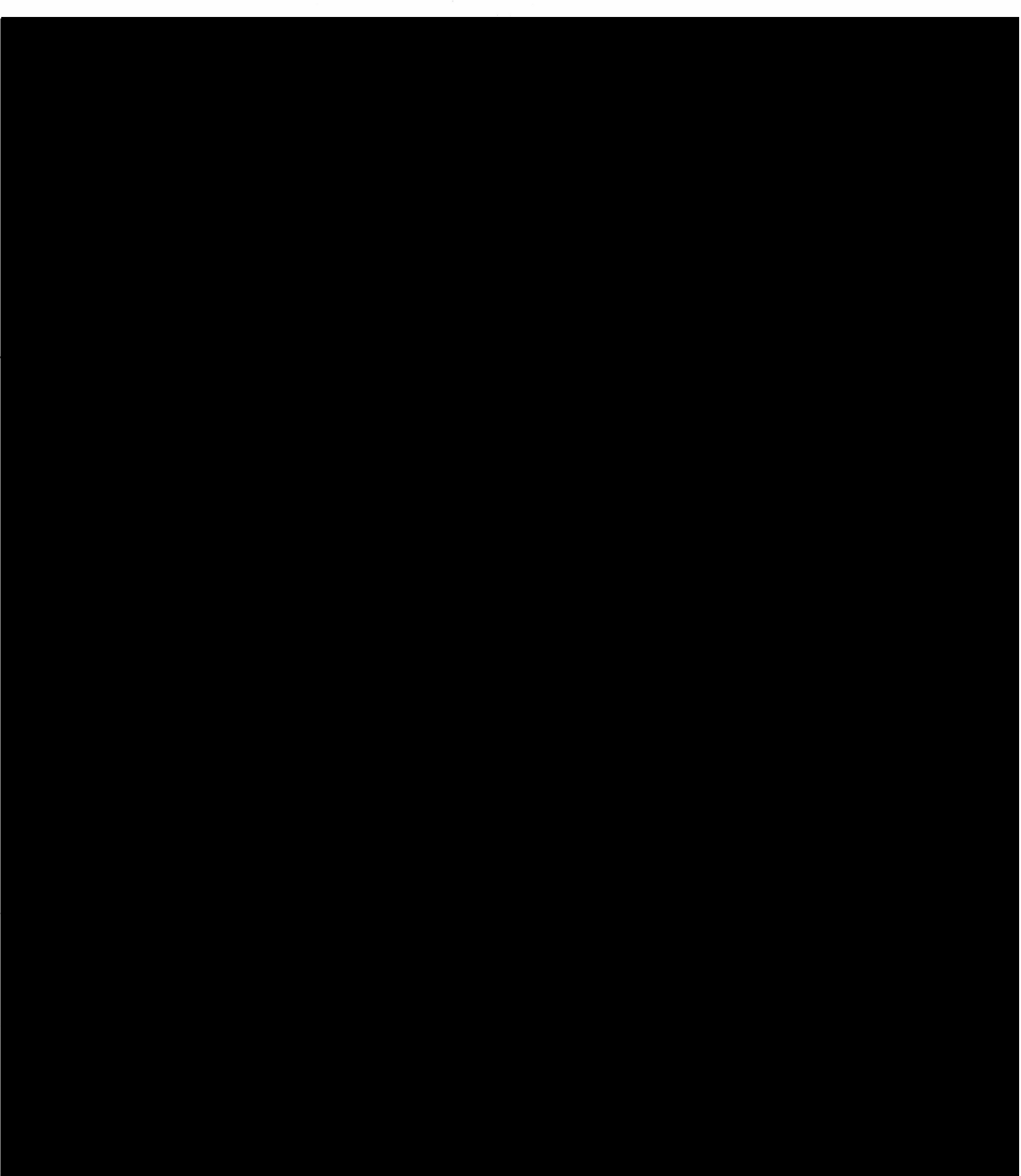
**PART II—TEST DATA—To be prepared by person supervising test at time of test.** Note: Minimum test pressure and duration are not to be changed without written approval.

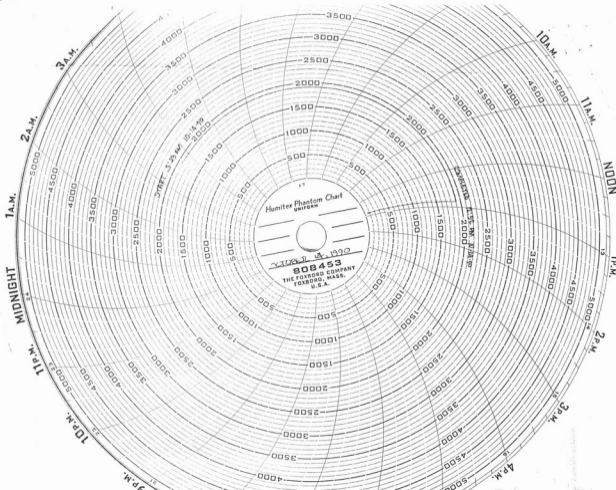
*Time and Date Test Pressure Reached 3:45 AM 10-14-90	Elevation at Test Point 557 FEET	Min. Required Test Press at Test Point (1) 1886 PSIG	Max. Allowable Test Press at Test Point (4) 2008 PSIG
Time and Date Test Ended 12:52 PM 10-14-90	Max. Elevation in Test Section 636 FEET	Min. Indicated Test Press (2) 1900 PSIG	Max. Indicated Test Press (3) 1906 PSIG
Actual Duration of Test 9 HRS 9 MIN	Min. Elevation in Test Section 545 FEET	Min. Test Press at Max. Elevation (3) 1867 PSIG	Max. Test Press at Min. Elev (5) 1906 PSIG

Test Fluid Used WATER	Pipe Spec. & Footage Verified (See Part I) NJ	Max. Range, and Serial No. of Pressure Recording Gauge FOXBORO 0-5000 3076072	Date Last Calibration 10-19-90	Max. Range, and Serial No. of Dead Weight Tester (See Note 1) CUB-PLER 0-5000 12621	Date Last Calibration 1-90
Test Supervised By: NICK JORDAN	Date: 10-14-90	Approved By: <i>[Signature]</i>	Date: 11-19-90		

**PLT SCHEMATIC SKETCH ON BACK OF THIS SHEET**  
 SHOW LOCATION OF FACILITY TESTED, MIN. & MAX. 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 PRING, FABRICATED UNITS AND SHORT SECTION OF PIPE, ALSO SHOW A DETAILED SKETCH OF EACH ASSEMBLY TESTED.

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| <p><b>NOTES</b></p> <ol style="list-style-type: none"> <li>Add the static head due to elevation difference (between test point and maximum elevation) to "minimum test pressure at maximum elevation" from PART I.</li> <li>Lowest pressure on test gauge at any time during test.</li> <li>Subtract static head due to elevation difference (between test point and maximum elevation) from minimum indicated test pressure.</li> <li>Subtract static head due to elevation difference (between test point and minimum elevation) from "maximum test pressure at minimum elevation" from PART I.</li> <li>Highest pressure on test gauge at any time during test.</li> <li>Add static head due to elevation difference (between test point and minimum elevation) to maximum indicated test pressure.</li> <li>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.</li> </ol> | <p><b>DISTRIBUTION</b></p> <p>DIVISION GAS &amp; ELECTRIC OPERATIONS MANAGER<br/>         JOB FILE<br/>         REGION GAS MANAGER<br/>         PROJECT ENGINEER<br/>         GC GAS—ASSIGNED JOBS<br/>         PLANT ACCOUNTING (WITH FOREMAN'S COPY OF JOB)<br/>         *PIPELINE HISTORY FILE<br/>         REPORT FAILURES UNDER TEST TO GAS SYSTEM DESIGN AND GAS DISTRIBUTION DEPARTMENTS</p> |
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Humiter Phantom Chart  
uniform

START 3:25 AM 10-14-39

808453  
THE FOXBORO COMPANY  
FOXBORO, MASS.  
U.S.A.

100% RH  
100% RH

DENDON

60' - 12.750" O.D., .281" W.T., API 5L, GR X-42, ERW  
327' - 10.750" O.D., .219" W.T., API 5L, GR X-52, ERW

STRENGTH TEST INFORMATION

- 1. JOB GM [REDACTED] - LAFAYETTE
- 2. LOCATION [REDACTED] - 1900
- 3. DATE 10-14-90 DURATION 9 HRS 9 MIN W.T. \_\_\_\_\_
- 4. TIME 3:43 AM - 12:52 PM SPEC \_\_\_\_\_
- 5. LENGTH \_\_\_\_\_ SEE ABOVE
- 6. PIPE SPEC \_\_\_\_\_ SERIAL # 3276072
- 7. RECORDING GAUGE FOXBORO LAST CALIBRATED 10-18-90
- 8. RANGE 0-5000 SERIAL # 1210321
- 9. DEAD WGT. CHARLIE LAST CALIBRATED 1-90
- 10. RANGE 0-5000 DATE 10-14-90
- 11. TEST FLUID WATER DATE \_\_\_\_\_
- 12. SUPERVISED MARK VICKER DATE \_\_\_\_\_
- 13. APPROVED \_\_\_\_\_