



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 CGO 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-300B</b>	Area <b>1</b>	Division/District <b>San Jose</b>	Job Number <b>41497331-4</b>	Date Job Authorized <b>8/2/11</b>
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Description of Job - Include Reference Drawing Numbers, and Pipeline Mileposts  
**TEST 4 - Hydrostatically test tie-in piping, hydrostatic test piping and existing 34" L-300B. Existing pipeline material listed are from the "Material of Record" (refer to Dwg. 41497331 Sheet 7)**

Hydrotest L-300B from MP 484.0126 - 484.72 San Jose, CA (Test section 89 South)

Location Class <b>3</b>	Design Factor (F) <b>0.5</b>	MAOP to be Established for this Piping by this Test <b>631 PSIG</b>	Future Design Pressure <b>631 PSIG</b>
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STATIC HEAD DUE TO ELEVATION DIFFERENCE (WHERE APPLICABLE)	Max. Elevation <b>1357 Ft.</b>	Static Head Calculation For Water 0.433 X Elev. Diff. = <b>49 PSIG</b> Other (Specify) _____ X Elev. Diff. = _____ PSIG
	Min. Elevation <b>1243 Ft.</b>	
	Elev. Diff. <b>114 Ft.</b>	

Size		API or ASTM Grade Long Seam (ERW, DSAW, Seamless, Etc.)	Foolage to Be Tested	Pipe Spec. and Foolage Verified In Field	% of SMYS			Pressure to Give 90% SMYS
O.D.	W.T.				At MAOP	At Min. Test Press.	At Max. Test Press.	
<b>34.00</b>	<b>0.500</b>	API 5L, GR X-65, DSAW (item#101)	16'	<b>44.7 A</b>	33.01	49.54	54.24	1721
<b>34.00</b>	<b>0.375</b>	API 5L, GR X-65, DSAW (item#102)	36'	<b>42.1 A</b>	44.01	66.05	72.32	1290
<b>34.00</b>	<b>0.344</b>	API 5L, GR X-52, DSAW (item#5)	<del>36'</del>	<b>3858.00</b>	59.97	90.00	98.55	947
<b>12.75</b>	<b>0.375</b>	API 5L, GR B, SMLS (item#6)	114'	<b>MOR</b>	22.99	34.50	37.78	2471
<b>34.00</b>	<b>0.344</b>	Elev. 6716 UNK W.T. (Item # 7)	2 EA	<b>M.O.R.</b>				

Minimum Test Pressure @ Max. Elevation <b>947 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) - PREINSTALLATION TEST (SEE ATTACHMENT 'A', GAS STD. A-34)	<b>8 HOURS</b>
Maximum Test Pressure @ Min. Elevation <b>1037 PSIG</b>			

Prepared By: <b>Mark Cabral</b>	Date: <b>8-2-11</b>	For Information or Changes, Call: <b>Redacted</b>	Approved By: <b>Redacted</b>	Date: <b>8/3/11</b>
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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 <b>2:40 PM 8-16-2011</b>	Elevation at Test Point <b>1309 FT</b>	Min. Required Test Press. At Test Point (1) <b>968 PSIG</b>	Max. Allowable Test Press at Test Point (4) <b>1008 PSIG</b>
Time and Date Test Ended <b>10:55 PM 8-16-2011</b>	Max. Elevation In Test Section <b>1357 FT</b>	Min. Indicated Test Pressure (2) <b>982 PSIG</b>	Max. Indicated Test Pressure (5) <b>989 PSIG</b>
Actual Duration of Test <b>8 hours 15 min</b>	Min. Elevation In Test Section <b>1243 FT</b>	Min. Test Pressure at Max. Elevation (3) <b>961 PSIG</b>	Max. Test Pressure at Min. Elevation (6) <b>1018 PSIG</b>

Test Fluid Used <b>Water</b>	Pipe Specification and Foolage Verified (See Part I) <b>Redacted</b>
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Make, Range, and Serial No. of Pressure Recording Gauge <b>Barton 0-3000 202A-17572</b>	Date Last Calibrated <b>6-7-2011</b>	Make, Range, and Serial No. of Dead Weight Tester (See Note 7) <b>Chandler 150-3000 6106</b>	Date Last Calibrated <b>5-19-2011</b>
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Test Supervised By: <b>Redacted</b>	Date: <b>8-16-2011</b>	Approved: <b>Redacted</b>	Date: <b>8-17-11</b>
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**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:**

- Add the static head due to elevation difference (between test point and maximum elevation) to "minimum test pressure at maximum elevation" from PART I.
- Use lowest pressure on test gauge at any time during test.
- Subtract static head due to elevation difference (between test point and maximum elevation) from minimum indicated test pressure.
- Subtract static head due to elevation difference (between test point and minimum elevation) from "maximum test pressure at minimum elevation" from PART I.
- Highest pressure on test gauge at any time during test.
- Add static head due to elevation difference (between test point and minimum elevation) to maximum indicated test pressure.
- 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)
- GSM&TS RESPONSIBLE DISTRICT SUPERINTENDENT
- PROJECT MANAGER/PROJECT ENGINEER
- TECHNICAL & CONSTRUCTION SERVICES - ASSIGNED JOBS ONLY
- CAPITAL ACCOUNTING (FOREMAN'S COPY OF JOB)
- RECORDS SECTION (WC), GSM&TS
- REPORT FAILURES UNDER TEST TO GAS ENGINEERING & PLANNING