



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-34 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 L-300A	Area 3	Division/District San Jose	Job Number 41497327	Date Job Authorized August 31, 2011
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Description of Job -- Include Reference Drawing Numbers, and Pipeline Mileposts
Test 2 - Tie-in pieces, hydrostatic test piping and existing 34" L-300A. Existing pipeline material listed; i.e. pipe, elbows, sleeves, are from the "Material of Record" (refer to Dwg 41497327, sheet 7 of 7)

Hydrotest L-300A from MP 477.77 - 478.06 Morgan Hill, CA (Test section 67A)

Location Class 3	Design Factor (F) .5	MAOP to be Established for this Piping by this Test 631 PSIG	Future Design Pressure 631 PSIG
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STATIC HEAD DUE TO ELEVATION DIFFERENCE (WHERE APPLICABLE)	Max. Elevation	384 Ft.	Static Head Calculation For Water $0.433 \times \text{Elev. Diff.} =$ 8.7 PSIG Other (Specify) $\text{X Elev. Diff.} =$ PSIG
	Min. Elevation	364 Ft.	
	Elev. Diff.	20 Ft.	

Pipe Specification		Footage to Be Tested	Pipe Spec. and Footage Verified In Field	% of SMYS			Pressure to Give 90% SMYS	
Size	API or ASTM Grade Long Seam (ERW, DSAW, Seamless, Etc.)			At MAOP	At Min. Test Press.	At Max. Test Press.		
O.D.	W.T.							
34.00	.375	API 5L, X-65, DSAW (Item #100)	51'	37.46 JHS	44.01	66.05	72.18	1291
34.00	.505	Elbow, Y-60 (Item #118)	4 ea.	JHS	35.40	53.13	58.07	1604
34.00	.344	API 5L, X-52, DSAW (Item #4)	1502'	MOR	59.97	90.00	98.36	947
34.00	UNK	Elbow, Unknown Grade (Item #5)	1 ea.	MOR				
34.00	.375	API 5L, X 65 / 70 DSAW	1.2'	JHS	44.01	66.05	72.18	1290
34.00	.500	API 5L, X 65 DSAW	24.92'	JHS	33.01	49.54	54.14	1721

Minimum Test Pressure @ Max. Elevation	947 PSIG	Test Fluid To Be Used WATER	MINIMUM TEST DURATION - UNDER 30% SMYS (1 HR. MINIMUM) - 30% SMYS & OVER (8 HRS. MINIMUM) - PREINSTALLATION TEST (SEE ATTACHMENT 'A', GAS STD. A-34)	8 HOURS
Maximum Test Pressure @ Min. Elevation	1035 PSIG			

Prepared By: **Redacted** Date: **10-21-11** For Information or Changes, Call: **Redacted** Approved By: **Redacted** Date: **9-1-11**

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	10:23am 10-21-11	Elevation at Test Point	377 FT	Min. Required Test Press. At Test Point (1)	950 PSIG	Max. Allowable Test Press at Test Point (4)	1029 PSIG
Time and Date Test Ended	6:30pm 10-21-11	Max. Elevation in Test Section	384 FT	Min. Indicated Test Pressure (2)	961 PSIG	Max. Indicated Test Pressure (5)	1026 PSIG
Actual Duration of Test	8hr 7min	Min. Elevation in Test Section	364 FT	Min. Test Pressure at Max. Elevation (3)	957 PSIG	Max. Test Pressure at Min. Elevation (6)	1031 PSIG

Test Fluid Used: **Water** Pipe Specification and Footage Verified (See Part I): **JHS 1653**

Make, Range, and Serial No. of Pressure Recording Gauge	Barton, 0-3000psi, 202A-175572	Date Last Calibrated	6-7-2011	Make, Range, and Serial No. of Dead Weight Tester (See Note 7)	Chandler, 50-3000psi, 16393	Date Last Calibrated	5-18-2011
Test Supervised By:	Redacted	Date:	10-21-11	Approved By:	Redacted	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.

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| <p>NOTES:</p> <ol style="list-style-type: none"> 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. | <p>DISTRIBUTION</p> <p>JOB FILE (AT SPONSORING ORGANIZATION)</p> <p>GSM&TS RESPONSIBLE DISTRICT SUPERINTENDENT</p> <p>PROJECT MANAGER/PROJECT ENGINEER</p> <p>TECHNICAL & CONSTRUCTION SERVICES - ASSIGNED JOBS ONLY</p> <p>CAPITAL ACCOUNTING (FOREMAN'S COPY OF JOB)</p> <p>RECORDS SECTION (WC), GSM&TS</p> <p>REPORT FAILURES UNDER TEST TO GAS ENGINEERING & PLANNING</p> |
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