



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

Feeder Main Number, Line Number, or Station Name L-132	Area 3	Division/District De Anza	Job Number 41474078	Date Job Authorized June 6, 2011
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Description of Job -- Include Reference Drawing Numbers and Pipeline Mileposts
 Redacted

Hydrotest L-132 from MP 3.05 - 4.00 Santa Clara, CA (Test section 25)

Location Class 3	Design Factor (F) .5	MAOP to be Established for this Piping by this Test 400 PSIG	Future Design Pressure 400 PSIG
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STATIC HEAD DUE TO ELEVATION DIFFERENCE (WHERE APPLICABLE)	Max. Elevation	19 Ft.	Static Head Calculation For Water Other (Specify)	0.433 X Elev. Diff. = 8 PSIG X Elev. Diff. = PSIG
	Min. Elevation	0 Ft.		
	Elev. Diff.	19 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			At MAOP	At Min. Test Press.	At Max. Test Press.	
O.D.	W.T.	Long Seam (ERW, DSAW, Seamless, Etc.)					

Redacted

Minimum Test Pressure @ Max. Elevation	680 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	780 PSIG			

Redacted

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	11:45 pm 6-18-11	Elevation at Test Point	19 FT	Min. Required Test Press. At Test Point (1)	680 PSIG	Max. Allowable Test Press at Test Point (4)	771 PSIG
Time and Date Test Ended	0800 6-19-11	Max. Elevation in Test Section	19 FT	Min. Indicated Test Pressure (2)	695 PSIG	Max. Indicated Test Pressure (5)	748 PSIG
Actual Duration of Test	8 hrs 15 min	Min. Elevation in Test Section	0 FT	Min. Test Pressure at Max. Elevation (3)	695 PSIG	Max. Test Pressure at Min. Elevation (6)	756 PSIG

Test Fluid Used
Water

Pipe Specification and Footage Verified (See Part I)

Make, Range, and Serial No. of Pressure Recording Gauge CPI 1703 0-1000 PSI	Date Last Calibrated 5-2-11	Make, Range, and Serial No. of Dead Weight Tester (See Note 7) AMETEK 0-3500 PSI 0845	Date Last Calibrated 11-29-10
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Redacted

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) 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
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1- ORIGINAL DOCUMENT signed 6-22-11
 2- ORIGINAL Document signed 6-19-11
 3- Original document signed 6/6/11
 4) original document signed 6/6/11 e



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

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Hydrotest L-132 from MP 3.05 - 4.00 Santa Clara, CA (Test section 25)

Location Class 3	Design Factor (F) .5	MAOP to be Established for this Piping by this Test 400 PSIG	Future Design Pressure 400 PSIG
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STATIC HEAD DUE TO ELEVATION DIFFERENCE (WHERE APPLICABLE)	Max. Elevation 19 Ft.	Static Head Calculation	
	Min. Elevation 0 Ft.	For Water	0.433 X Elev. Diff. = 8 PSIG
	Elev. Diff. 19 Ft.	Other (Specify)	X Elev. Diff. = PSIG

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			At MAOP	At Min. Test Press.	At Max. Test Press.	
O.D.	W.T.	Long Seam (ERW, DSAW, Seamless, Etc.)					

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

Make, Range, and Serial No. of Pressure Recording Gauge CPL 1703 0-1000 PSI	Date Last Calibrated 5-2-11	Make, Range, and Serial No. of Dead Weight Tester (See Note 7) AMETEK 0-3500 PSI 2845	Date Last Calibrated 11-29-10
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Redacted Date: **7-13-11**

PUT SCHEMATIC PIPING SKETCH ON BACK OF THIS SHEET

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1 - ORIGINAL DOCUMENT SIGNED 6-21-11
 2 - ORIGINAL DOCUMENTS SIGNED 6-19-11

3 - ORIGINAL DOCUMENT SIGNED 6/6/11
 4 - ORIGINAL DOCUMENT SIGNED 6/6/11



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

FINAL

62-4921 (Rev. 2/04)
 California Gas Transmission
 (Use in Accordance with Gas Standard A-34 and GO 112.D)

Sheet **3** of **3**

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Description of Job -- Include Reference Drawing Numbers, and Pipeline Mileposts

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Pipe Specification		Footage to Be Tested	Pipe Spec. and Footage Verified In Field	% of SMYS			Pressure to Give 90% SMYS
Size O.D. W.T.	API or ASTM Grade Long Seam (ERW, DSAW, Seamless, Etc.)			At MAOP	At Min. Test Press.	At Max. Test Press.	

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Note: Minimum test pressure and duration are not to be changed without written approval.

Time and Date Test Pressure Reached 1145 pm 6-18-11	Elevation at Test Point 19 FT	Min. Required Test Press. At Test Point (1) 680 PSIG	Max. Allowable Test Press at Test Point (4) 771 PSIG
Time and Date Test Ended 0800 6-19-11	Max. Elevation in Test Section 19 FT	Min. Indicated Test Pressure (2) 695 PSIG	Max. Indicated Test Pressure (5) 748 PSIG
Actual Duration of Test 8 hrs. 15 min	Min. Elevation in Test Section 0 FT	Min. Test Pressure at Max. Elevation (3) 695 PSIG	Max. Test Pressure at Min. Elevation (6) 756 PSIG

Test Fluid Used Water	Pipe Specification and Footage Verified (See Part I)		
Make, Range, and Serial No. of Pressure Recording Gauge CPL 170370-1000 PSI	Date Last Calibrated 5-2-11	Make, Range, and Serial No. of Dead Weight Tester (See Note 7) AMETEK 0-3500 PSI 2845	Date Last Calibrated 11-29-11

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