



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

FINAL

California Gas Transmission
Use in Accordance with Gas Standard A-34 and GO 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-132	Area 3	Division/District De Anza	Job Number 41497359	Date Job Authorized 08/24/2011
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Description of Job -- Include Reference Drawing Numbers, and Pipeline Mileposts
Test 2 - Hydrostatically test tie-in piping, hydrostatic test piping and existing 24" L-132. Existing material listed; ie. pipe, elbows, sleeves, are from the "Material of Record". (refer to DWG 41497359-Sheet 5).

Hydrotest L-132 from MP 0.945 to MP 1.88, in Milpitas, CA (T-24)

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 22 Ft.	Static Head Calculation For Water 0.433 X Elev. Diff. = 4 PSIG Other (Specify) _____ X Elev. Diff. = _____ PSIG
	Min. Elevation 14 Ft.	
	Elev. Diff. 8 Ft.	

Pipe Specification				Foolage to Be Tested	Pipe Spec. and Foolage 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.	
24.00	0.375	API 5L, X-60, DSAW (Item#106)		25'	49.9' JE	21.33	36.27	40.27	1688
24.00	0.375	Elbow, Y-60 (Item#123)		4 Ea.	JE	21.33	36.27	40.27	1688
24.00	0.2810	GRB, 40,000 SMYS (item #1)		4937'	MOR	42.70	72.60	80.60	843
24.00	0.3125	API 5L, X-60, DSAW (Item#2)		14'	16.5' *	25.60	43.52	48.32	1406
24.00	0.3125	API 5L, X-52, DSAW (Item#3)		114'	112' *	29.54	50.22	55.75	1219
24.00	0.344	API 5L, X-42, DSAW (Item#4)		49'	MOR	33.22	56.48	62.71	1084
24.00	0.375	Elbow, GRB (Item#5)		4 Ea.	MOR	36.57	62.17	69.03	984
24.00	0.375	Elbow, Y-42 (Item#6)		2 Ea.	MOR	30.48	51.81	57.52	1181
24.00	0.375	Elbow, Y-60 (Item#7)		2 Ea.	MOR	21.33	36.27	40.27	1688
24.00	UNK	Elbow, Unknown Grade (Item#8)		6 Ea.	MOR	-	-	-	-
24.00	UNK	Sleeve, Unknown Grade (Item#9)		2 Ea.	MOR	-	-	-	-

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	755 PSIG			

Prepared By: Redacted	Date: 08/24/2011	For Information or Changes, Call: Mark Cabral (925) 588-3640	Approved By: <i>Mark Cabral</i>	Date: 8-24-11
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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	8:00 AM 10-23-11	Elevation at Test Point	14 FT	Min. Required Test Press. At Test Point (1)	683 PSIG	Max. Allowable Test Press at Test Point (4)	755 PSIG
Time and Date Test Ended	4:15 PM 10-23-11	Max. Elevation In Test Section	22 FT	Min. Indicated Test Pressure (2)	700 PSIG	Max. Indicated Test Pressure (5)	751 PSIG
Actual Duration of Test	8 HR 15 min	Min. Elevation in Test Section	14 FT	Min. Test Pressure at Max. Elevation (3)	697 PSIG	Max. Test Pressure at Min. Elevation (6)	751 PSIG

Test Fluid Used WATER	Pipe Specification and Foolage Verified (See Part I) Redacted
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Make, Range, and Serial No. of Pressure Recording Gauge BARTON 39611 0-1000	Date Last Calibrated 6-7-11	Make, Range, and Serial No. of Dead Weight Tester (See Note 7) CHAMOLER 50-5000 22856	Date Last Calibrated 9-6-11
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Test Supervised By: Redacted	Date: 10-23-11	Approved By: Redacted	Date: 11-9-11
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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:

- (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