



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

Feeder Main Number, Line Number, or Station Name <b>L-300B</b>	Area <b>3</b>	Division/District <b>San Jose</b>	Job Number <b>41497333-6</b>	Date Job Authorized <b>August 10, 2011</b>
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Description of Job - Include Reference Drawing Numbers, and Pipeline Mileposts  
**Test 6 - Tie-in pieces, hydrostatic test piping and existing 34" L-300B. Existing pipeline material listed; i.e. pipe, elbows, sleeves, are from the "Material of Record" (refer to Dwg 41497333, sheet 11 of 11)**

Hydrotest L-300B from MP 499.33 - 502.62 San Jose, CA (Test section 90D)

Location Class <b>3</b>	Design Factor (F) <b>.5</b>	MAOP to be Established for this Piping by this Test <b>669 PSIG</b>	Future Design Pressure <b>669 PSIG</b>
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STATIC HEAD DUE TO ELEVATION DIFFERENCE (WHERE APPLICABLE)	Max. Elevation <b>69 Ft.</b>	Static Head Calculation	
	Min. Elevation <b>12 Ft.</b>	For Water	<b>0.433 X Elev. Diff. = 24.7 PSIG</b>
	Elev. Diff. <b>57 Ft.</b>	Other (Specify)	X Elev. Diff. = <b>PSIG</b>

Size		Pipe Specification	Footage to Be Tested	Pipe Spec. and Footage Verified In Field	At MAOP	At Min. Test Press.	At Max. Test Press.	Pressure to Give 90% SMYS
O.D.	W.T.	API or ASTM Grade Long Seam (ERW, DSAW, Seamless, Etc.)						
34.00	.500	API 5L, X-65, DSAW (Item #100)	<del>38'</del>	<b>31.7' JWS</b>	34.99	52.52	59.11	1721
34.00	.4375	API 5L, X-52, DSAW (Item #7)	<del>46800'</del>	<b>16,879.3 MOR</b>	49.99	75.02	84.44	1204
34.00	.383	API 5L, X-60, DSAW (Item #8)	980'	<b>MOR</b>	49.49	74.27	83.59	1217
34.00	.505	Elbow, Y-60, 3-R Radius (Item #14)	4 ea.	<b>MOR</b>	37.53	56.33	63.40	1604
34.00	.383	Elbow, Y-65 (Item #15)	4 ea.	<b>MOR</b>	45.68	68.56	77.16	1318
34.00	UNK	Elbow, Grade Unknown (Item #17)	12 ea.	<b>MOR</b>	-	-	-	-
34.00	.505	API 5L, X-60, DSAW (Item #32)	<del>154'</del>	<b>105 MOR</b>	37.53	56.33	63.40	1604
34.00	.505	Tee, 34" OD, Y-60 (Item #33)	1 ea.	<b>MOR</b>	37.53	56.33	63.40	1604
34.00	UNK	Valve, Ball, ANSI 300 (item #34)	1 ea.	<b>MOR</b>	-	-	-	-

Minimum Test Pressure @ Max. Elevation	<b>1004 PSIG</b>	Test Fluid To Be Used	<b>WATER</b>	MINIMUM TEST DURATION	<b>8 HOURS</b>
Maximum Test Pressure @ Min. Elevation	<b>1130 PSIG</b>			- UNDER 30% SMYS (1 HR. MINIMUM) - 30% SMYS & OVER (8 HRS. MINIMUM) - PREINSTALLATION TEST (SEE ATTACHMENT 'A' GAS STD. A-34)	

Prepared By: <b>Redacted</b>	Date: <b>8/11/11</b>	For Information or Changes, Call: <b>Redacted</b>	Approved By: <b>Redacted</b>	Date: <b>8/11/11</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>6:05 PM 8-31-11</b>	Elevation at Test Point	<b>30' FT</b>	Min. Required Test Press. At Test Point (1)	<b>1,021 PSIG</b>	Max. Allowable Test Press at Test Point (4)	<b>1,122 PSIG</b>
Time and Date Test Ended	<b>3:15 AM 9-1-11</b>	Max. Elevation in Test Section	<b>69' FT</b>	Min. Indicated Test Pressure (2)	<b>1,039 PSIG</b>	Max. Indicated Test Pressure (5)	<b>1,121 PSIG</b>
Actual Duration of Test	<b>9 Hr - 10 min</b>	Min. Elevation in Test Section	<b>12' FT</b>	Min. Test Pressure at Max. Elevation (3)	<b>1,022 PSIG</b>	Max. Test Pressure at Min. Elevation (6)	<b>1,129 PSIG</b>

Test Fluid Used <b>Water</b>	Pipe Specification and Footage Verified (See Part I) <b>JWS A653 + TRESPANDO A650</b>
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Make, Range, and Serial No. of Pressure Recording Gauge <b>Barton 0-3000 202A-175572</b>	Date Last Calibrated <b>6-7-2011</b>	Make, Range, and Serial No. of Dead Weight Tester (See Note 7) <b>Chandler 50-3000 606</b>	Date Last Calibrated <b>5/11-2011</b>
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Test Supervised By <b>Redacted</b>	Date: <b>9-1-2011</b>	Approved By: <b>Redacted</b>	Date: <b>9-13-11</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.

<b>NOTES:</b> (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.	<b>DISTRIBUTION</b> JOB FILE (AT SPONSORING ORGANIZATION)  GMS&TS RESPONSIBLE DISTRICT SUPERINTENDENT  PROJECT MANAGER/PROJECT ENGINEER  TECHNICAL & CONSTRUCTION SERVICES - ASSIGNED JOBS ONLY  CAPITAL ACCOUNTING (FOREMAN'S COPY OF JOB)  RECORDS SECTION (WC), GMS&TS  REPORT FAILURES UNDER TEST TO GAS ENGINEERING & PLANNING
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