



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

Feeder Main Number, Line Number, or Station Name L-300B	Area 4	Division/District Fresno	Job Number 41497328	Date Job Authorized 6/10/11
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Description of Job -- Include Reference Drawing Numbers, and Pipeline Mileposts.
TEST 1 - Hydrostatically test cut caps.

Hydrotest L-300B from MP 384.0630 - 384.8437 Three Rocks, CA (Test section 85)

Location Class 1	Design Factor (F) 0.72	MAOP to be Established for this Piping by this Test 890 PSIG	Future Design Pressure 890 PSIG
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STATIC HEAD DUE TO ELEVATION DIFFERENCE (WHERE APPLICABLE)	Max. Elevation	<u>N/A</u> Ft.	Static Head Calculation For Water 0.433 X Elev. Diff. = <u>N/A</u> PSIG Other (Specify) _____ X Elev. Diff. = _____ PSIG
	Min. Elevation	<u>N/A</u> Ft.	
	Elev. Diff.	<u>N/A</u> 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	0.505	API 5L, GR X-60, DSAW (item#101)	8'	49.93	62.45	69.29	1604

Minimum Test Pressure @ Max. Elevation	1113 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	1235 PSIG			

Prepared By: Lauren Kwok	Date: 6/10/11	For Information or Changes, Call: Mark Cabral (925) 588-3640	Approved By:	Date:
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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	Elevation at Test Point	FT	Min. Required Test Press. At Test Point (1)	PSIG	Max. Allowable Test Press at Test Point (4)	PSIG
Time and Date Test Ended	Max. Elevation in Test Section	FT	Min. Indicated Test Pressure (2)	PSIG	Max. Indicated Test Pressure (5)	PSIG
Actual Duration of Test	Min. Elevation in Test Section	FT	Min. Test Pressure at Max. Elevation (3)	PSIG	Max. Test Pressure at Min. Elevation (6)	PSIG

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

Make, Range, and Serial No. of Pressure Recording Gauge	Date Last Calibrated	Make, Range, and Serial No. of Dead Weight Tester (See Note 7)	Date Last Calibrated
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Test Supervised By:	Date:	Approved By:	Date:
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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.

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

Feeder Main Number, Line Number, or Station Name L-300B	Area 4	Division/District Fresno	Job Number 41497328	Date Job Authorized 6/10/11
Description of Job -- Include Reference Drawing Numbers, and Pipeline Mileposts TEST 2 -- 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. 41497328, Sheet 4)				
Hydrotest L-300B from MP 384.0630 - 384.8437 Three Rocks, CA (Test section 85)				
Location Class 1	Design Factor (F) 0.72	MAOP to be Established for this Piping by this Test 890 PSIG	Future Design Pressure 890 PSIG	

STATIC HEAD DUE TO ELEVATION DIFFERENCE (WHERE APPLICABLE)	Max. Elevation 459 Ft.	Static Head Calculation	
	Min. Elevation 444 Ft.	For Water	0.433 X Elev. Diff. = 6.495 PSIG
	Elev. Diff. 15 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 Long Seam (ERW, DSAW, Seamless, Etc.)			At MAOP	At Min. Test Press.	At Max. Test Press.	
O.D.	W.T.						
34.00	0.505	66'	99.95' A	49.93	62.45	69.29	1604
34.00	0.438	4422'	4399.2' M.O.R.A	72.05	90.10	99.98	1112
34.00	0.375	0	14.61' A	62.07	77.62	-86.05	1,290
				86.13			

Minimum Test Pressure @ Max. Elevation 1113 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 1235 PSIG			

Prepared By: Lauren Kwok	Date: 6/10/11	For Information or Changes, Call: Mark Cabral (925) 588-3640	Approved By: Mark Cabral	Date: 7-14-11
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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 9:30 am 6-28-11	Elevation at Test Point 444.0 FT	Min. Required Test Press. At Test Point (1) 1120 PSIG	Max. Allowable Test Press at Test Point (4) 1235 PSIG
Time and Date Test Ended 6:10 pm 6-28-11	Max. Elevation in Test Section 459.0 FT	Min. Indicated Test Pressure (2) 1142 PSIG	Max. Indicated Test Pressure (5) 1230 PSIG
Actual Duration of Test 8 hrs, 40 min	Min. Elevation in Test Section 444.0 FT	Min. Test Pressure at Max. Elevation (3) 1136 PSIG	Max. Test Pressure at Min. Elevation (6) 1230 PSIG

Test Fluid Used Water	Pipe Specification and Footage Verified (See Part I) TM	Signature A. TRESPANDO
Make, Range, and Serial No. of Pressure Recording Gauge Barton 0-3000 S/N 624086	Date Last Calibrated 6-17-11	Make, Range, and Serial No. of Dead Weight Tester (See Note 7) Chandler 50-3000 S/N 7850
Date Last Calibrated 6-17-11		Date Last Calibrated 6-17-11

Test Supervised By: STEVEN D. MARZ	Date: 7-13-11	Approved By: [Signature]	Date: 7-13-11
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1 - ORIGINAL DOCUMENT SIGNED 6-30-11
 2 - ORIGINAL DOCUMENT SIGNED 6-28-11
 3 - ORIGINAL DOCUMENT SIGNED 7-14-11
 4 - ORIGINAL DOCUMENT SIGNED 6-10-11