



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 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 <b>L-300B</b>		Area <b>Topock</b>		Division/District <b>Kern</b>			Job Number <b>41497332-2</b>		Date Job Authorized <b>8-18-11</b>	
Description of Job - Includes Reference Drawing Numbers, and Pipeline Mileposts <b>Test 2 - MLV 0.45B - Hydrotest existing 34" MLV assembly. Materials listed are from the "Material of Record" (refer to DWG 41497332, sheet 6).          Hydrostatically test 34" tie-in piping, hydrotest piping and existing 34" L-300B, REV 1: Testing with water instead of nitrogen.</b>										
L-300B MLV 0.45B Needles, CA (Test section 76)										
Location Class <b>1</b>		Design Factor (F) <b>.72</b>		MAOP to be Established for this Piping by this Test <b>894 PSIG</b>			Future Design Pressure <b>894 PSIG</b>			
STATIC HEAD DUE TO ELEVATION DIFFERENCE (WHERE APPLICABLE)		Max. Elevation <b>614 Ft.</b>		Static Head Calculation		For Water <b>0.433 X Elev. Diff. = 0 PSIG</b>		Other (Specify) <b>PSIG</b>		
Min. Elevation <b>614 Ft.</b>		Elev. Diff. <b>0 Ft.</b>								
Size		Pipe Specification		Pipe Spec. and Footage to Be Tested		Footage Verified In Field		% of SMYS		Pressure to Give 90% SMYS
O.D.	W.T.	API or ASTM Grade Long Seam (ERW, DSAW, Seamless, Etc.)				At MAOP	At Min. Test Press.	At Max. Test Press.		
34.00	.500	API 5L, GR X65, DSAW (item#101)		2'	2'	46.76	58.48	63.97	1721	
34.00	.500	API 5L, GR X52, DSAW (item#1)		50'	58' 4.8"	58.45	73.10	79.97	1376	
34.00	.505	CAPS, GR Y60 (item# 153)		2 Ea.	2 EA	50.16	62.73	68.62	1604	
1.05"	.133	API 5L, GR B, SMLS (item#202)		14'	14'	10.08	12.61	13.79	7980	
1.05"	.133	API 5L, GR B, SMLS (item# 2)		2'	2'	10.08	12.61	13.79	7980	
Minimum Test Pressure @ Max. Elevation				<b>1118 PSIG</b>		Test Fluid To Be Used <b>Water</b>		MINIMUM TEST DURATION - UNDER 30% SMYS (1 HR. MINIMUM) - 30% SMYS & OVER (8 HRS. MINIMUM) - PREINSTALLATION TEST (SEE ATTACHMENT 'A', GAS STD. A-34)		<b>8 HOURS</b>
Maximum Test Pressure @ Min. Elevation				<b>1223 PSIG</b>						
Prepared By: <b>Redacted</b>		Date: <b>8/25/2011</b>		For Information or Changes, Call: <b>Redacted</b>			Approved By: <b>Redacted</b>		Date: <b>8-25-11</b>	
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>8/26/11 8:13 AM</b>		Elevation at Test Point <b>614 FT</b>		Min. Required Test Press. At Test Point <b>1118 (1) PSIG</b>		Max. Allowable Test Press at Test Point <b>1223 (4) PSIG</b>		<b>1180 PSIG</b>
Time and Date Test Ended		<b>8/26/11 4:30 PM</b>		Max. Elevation in Test Section <b>614 FT</b>		Min. Indicated Test Pressure <b>1123 (2) PSIG</b>		Max. Indicated Test Pressure <b>(5) PSIG</b>		<b>1180 PSIG</b>
Actual Duration of Test		<b>8.28 HOURS</b>		Min. Elevation in Test Section <b>614 FT</b>		Min. Test Pressure at Max. Elevation <b>1123 (3) PSIG</b>		Max. Test Pressure at Min. Elevation <b>(6) PSIG</b>		<b>1180 PSIG</b>
Test Fluid Used <b>WATER</b>				Pipe Specification and Footage Verified (See Part I) <b>STEVE BELMONT [Signature] 8-26-11</b>						
Make, Range, and Serial No. of Pressure Recording Gauge <b>BARTON 0-3000*, 725002</b>			Date Last Calibrated <b>8/15/2011</b>		Make, Range, and Serial No. of Dead Weight Tester (See Note 7) <b>CHANDLER, 50-5000*, 10329</b>			Date Last Calibrated <b>8/16/2011</b>		
Test Supervisor By: <b>Redacted</b>			Date: <b>8/26/2011</b>		Approved By: <b>Redacted</b>			Date: <b>9-1-2011</b>		
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:					DISTRIBUTION					
(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.					JOB FILE (AT SPONSORING ORGANIZATION)					
(2) Use lowest pressure on test gauge at any time during test.					GSM&TS RESPONSIBLE DISTRICT SUPERINTENDENT					
(3) Subtract static head due to elevation difference (between test point and maximum elevation) from minimum indicated test pressure.					PROJECT MANAGER/PROJECT ENGINEER					
(4) Subtract static head due to elevation difference (between test point and minimum elevation) from "maximum test pressure at minimum elevation" from PART I.					TECHNICAL & CONSTRUCTION SERVICES - ASSIGNED JOBS ONLY					
(5) Highest pressure on test gauge at any time during test.					CAPITAL ACCOUNTING (FOREMAN'S COPY OF JOB)					
(6) Add static head due to elevation difference (between test point and minimum elevation) to maximum indicated test pressure.					RECORDS SECTION (WC), GSM&TS					
(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.					REPORT FAILURES UNDER TEST TO GAS ENGINEERING & PLANNING					