



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 1 of 1

PART I - DESIGN DATA (TO BE PREPARED BY PROJECT ENGINEER)										
Feeder Main Number, Line Number, or Station Name L-300B		Area 3	Division/District Hinkley/Kern			Job Number 41497341	Date Job Authorized 9/20/11			
Description of Job -- Include Reference Drawing Numbers, and Pipeline Mileposts TEST 3 -- 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. 41497341-T79B Sheet 5)										
Hydrotest L-300B from MP Redacted		Hinkley, CA		(Test section 79B)						
Location Class 2	Design Factor (F) 0.60	MAOP to be Established for this Piping by this Test 688			Future Design Pressure 688 PSIG					
STATIC HEAD DUE TO ELEVATION DIFFERENCE (WHERE APPLICABLE)		Max. Elevation 2208 Ft.	Static Head Calculation		0.433 X Elev. Diff. = 2 PSIG					
		Min. Elevation 2204 Ft.	For Water							
		Elev. Diff. 4 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 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	0.500	API 5L, X-65, DSAW (item#101)		48'	59.8' <i>daa</i>	35.99	53.98	59.63	1721	
34.00	0.505	Elbow, Y-60 (item#115)		4 ea.	<i>daa</i>	38.60	57.90	63.96	1604	
34.00	0.500	API 5L, X-46, DSAW (item#1)		1558'	1470.6' <i>daa</i>	50.85	76.28	84.26	1218	
34.00	0.500	Elbow, Grade unknown (item#2)		2 ea.	MOR	-	-	-	-	
34.00	0.500	Tee, 34"x 34"x 24", 50K SMYS (item#3)		2 ea.	<i>daa</i>	46.78	70.18	77.52	1324	
1.05	0.113	API 5L, GR B, SMLS (item#5)		28'	<i>daa</i>	9.13	13.70	15.13	6780	
34"	.375	API 5L X 65 DSAW		31.6	<i>daa</i>	47.98	71.97	79.51	1290	
34"	.505	API 5L X 60 DSAW		22.0	<i>daa</i>	38.60	57.90	63.96	1604	
Minimum Test Pressure @ Max. Elevation		1032 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		1140 PSIG		For Information or Changes, Call: Mark Cabral 925-588-3640		Approved By: <i>Mark Cabral</i>		Date: 9-20-11		
Redacted					9/20/2011					
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	11:40 AM 10/17/11	Elevation at Test Point	2208 FT	Min. Required Test Press. At Test Point (1)	1032 PSIG	Max. Allowable Test Press at Test Point (4)	1138 PSIG			
Time and Date Test Ended	7:45 PM 10/17/11	Max. Elevation in Test Section	2208 FT	Min. Indicated Test Pressure (2)	1055 PSIG	Max. Indicated Test Pressure (5)	1138 PSIG			
Actual Duration of Test	8 hr 5 min.	Min. Elevation in Test Section	2204 FT	Min. Test Pressure at Max. Elevation (3)	1055 PSIG	Max. Test Pressure at Min. Elevation (6)	1140 PSIG			
Test Fluid Used	Water		Pipe Specification and Footage Verified (See Part I) daa A-651 A A 650							
Make, Range, and Serial No. of Pressure Recording Gauge	Barton 0-3000# 624086		Date Last Calibrated	6/17/11		Make, Range, and Serial No. of Dead Weight Tester (See Note 7)	Chandler 50-3000# 5198			
Redacted		1/11		Approved		Redacted		Date: 11-9-11		
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					