



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-31 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		Area		Division/District		Job Number		Date Job Authorized			
L-300A		Kern		Hinkley / Kern		41497322		8-23-11			
Description of Job - Include Reference Drawing Numbers, and Pipeline Mileposts											
Test 2 - Segment A-B - Existing 34" materials listed are from the "Material of Record" (refer to DWG 41497322, sheet 4)											
Hydrostatically test 34" tie-in piping, hydrostatic test piping and existing 34" L-300A											
Hydrotest L-300A from MP 155.075 - 156.4 Segment A-B Barstow, CA (Test section 54B)											
Location Class		Design Factor (F)		MAOP to be Established for this Piping by this Test			Future Design Pressure				
3		.50		688 PSIG			688 PSIG				
STATIC HEAD DUE TO ELEVATION DIFFERENCE (WHERE APPLICABLE)		Max. Elevation		Ft.		Static Head Calculation					
		2195									
		Min. Elevation		Ft.		For Water		0.433 X Elev. Diff. = 7 PSIG			
		2178									
		Elev. Diff.		Ft.		Other (Specify)		X Elev. Diff. = PSIG			
		17									
Pipe Specification											
Size		API or ASTM Grade			Footage to Be Tested	Pipe Spec. and Footage Verified in Field	% of SMYS			Pressure to Give 90% SMYS	
O.D.	W.T.	Long Seam (ERW, DSAW, Seamless, Etc.)					At MAOP	At Min. Test Press.	At Max. Test Press.		
34.00	.375	API 5L, GR X52, DSAW (item#1) DY			716T	7098'	59.98	89.97	99.38	1032	
34.00	.375	API 5L, GR X65, DSAW (item#101) DY			50	69'	47.98	71.98	79.51	1291	
34.00	.505	ELBOW, GR Y60, 90° (item# 113) DY			4 ea		38.60	57.90	63.96	1604	
34.00	.505	API 5L GR X60 DY				23'	38.60	57.90	63.96	1604	
Minimum Test Pressure @ Max. Elevation		1032 PSIG			Test Fluid To Be Used		MINIMUM TEST DURATION			8 HOURS	
Maximum Test Pressure @ Min. Elevation		1140 PSIG			WATER		- UNDER 30% SMYS (1 HR. MINIMUM)				
							- 30% SMYS & OVER (8 HRS. MINIMUM)				
							- PREINSTALLATION TEST (SEE ATTACHMENT 'A', GAS STD. A-34)				
Redacted		Redacted		Date: 8/24/11		For Information or Changes, Call: Mark Cabral (925) 588-3640		Approved By: Mark Cabral		Date: 8-24-11	
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		10:27 AM		Elevation at Test Point		2191 FT		Min. Required Test Press. at Test Point (1)		1034 PSIG	
		9/21/11								1134 PSIG	
Time and Date Test Ended		7:00 PM		Max. Elevation in Test Section		2195 FT		Min. Indicated Test Pressure (2)		1053 PSIG	
		9/21/11								1130 PSIG	
Actual Duration of Test		8 hr. 33 min		Min. Elevation in Test Section		2178 FT		Min. Test Pressure at Max. Elevation (3)		1051 PSIG	
										1136 PSIG	
Test Fluid Used		Water			Pipe Specification and Footage Verified (See Part I)						
					Redacted						
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	
Barton 0-3000 # 6240533				6/17/11		Chandler 50-3000 # 5198				6/17/11	
Redacted				9/21/11		Redacted				10-13-11	
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						