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	Area	Division/District	Job Number	Date Job Authorized
L-300A1	Southern	Hinkley	41474054	8-26-11

Description of Job – Include Reference Drawing Numbers, and Pipeline Mileposts

Test 2 – Segment A - B - Existing 26" materials listed are from the "Material of Record" (refer to DWG 41497323, sheet 6) hydrostatically test 26" tie-in piping, test piping and existing 26" L-300A1.

Hydrotest L-300A1 from MP 156.4– 157.86 **Segment A-B** Barstow, CA (Test section 75)

Location Class	Design Factor (F)	MAOP to be Established for this Piping by this Test	Future Design Pressure
3	.5	688 PSIG	688 PSIG

STATIC HEAD DUE TO ELEVATION DIFFERENCE (WHERE APPLICABLE)			Static Head Calculation		
	Max. Elevation	2196 Ft.	For Water	0.433 X Elev. Diff. =	2 PSIG
	Min. Elevation	2191 Ft.	Other (Specify)	X Elev. Diff. =	PSIG
	Elev. Diff.	5 Ft.			

Pipe Specification				Pipe Spec. and Footage Verified In Field	% of SMYS			Pressure to Give 90% SMYS
Size O.D.	Size W.T.	API or ASTM Grade Long Seam (ERW, DSAW, Seamless, Etc.)	Footage to Be Tested		At MAOP	At Min. Test Press.	At Max. Test Press.	
26.00	.500	API 5L, GR ~~X60,~~ DSAW (item# 201) X65	~~48'~~	37.6' as a	~~29.81~~ 29.82	~~44.72~~ 44.28	~~49.40~~ 45.60	~~2077~~ 2250 (JS)
26.00	.375	ELBOW, GR Y60 (item# 213)	4 Ea.	as a	39.75	59.63	65.87	1558
26.00	.500	API 5L, GR B, SMLS (item# 2)	~~7661'~~	7661.9' as a	51.11	76.66	84.69	1212

		Test Fluid To Be Used	MINIMUM TEST DURATION	
Minimum Test Pressure @ Max. Elevation	1032 PSIG	Water	- UNDER 30% SMYS (1 HR. MINIMUM)	8 HOURS
Maximum Test Pressure @ Min. Elevation	1140 PSIG		- 30% SMYS & OVER (8 HRS. MINIMUM)	
			- PREINSTALLATION TEST (SEE ATTACHMENT 'A', GAS STD. A-34)	

Redacted

Date: 9/26/2011

For Information or Changes, Call: Mark Cabral (925) 588-3640

Approved By: Mark DCabral Date: 8-26-11

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	8:30 AM 9/24/11	Elevation at Test Point	2194 FT	Min. Required Test Press. At Test Point (1)	1033 PSIG	Max. Allowable Test Press at Test Point (4)	1139 PSIG
Time and Date Test Ended	5:00PM 9/24/11	Max. Elevation in Test Section	2196 FT	Min. Indicated Test Pressure (2)	1040 PSIG	Max. Indicated Test Pressure (5)	1136 PSIG
Actual Duration of Test	8 hr. 30 min.	Min. Elevation in Test Section	2191 FT	Min. Test Pressure at Max. Elevation (3)	1039 PSIG	Max. Test Pressure at Min. Elevation (6)	1137 PSIG

Test Fluid Used: Water

Redacted 9-24-11

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# 624086	6/17/11	Chandler 50-3000# 5198	6/17/11

Redacted 9/24/11

Approved By: Joel Monroe Date: 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:

(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.

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REPORT FAILURES UNDER TEST TO GAS ENGINEERING & PLANNING

FINAL

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