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	Area	Division/District	Job Number	Date Job Authorized
L-132A	Southern	Peninsula	41474079	April 19,2011

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

Test 3 – Tie-in pieces Location A & B, hydrostatic test piping and existing 16" L-132A. Existing pipeline material listed is from the "Material of Record" (refer to Dwg 41474079, sheet 5 of 5)

Hydrotest L-132A from MP 0.0057 – .075 Mountain View, CA (Test section 41)

Location Class	Design Factor (F)	MAOP to be Established for this Piping by this Test	Future Design Pressure
3	.5	400 PSIG	400 PSIG

STATIC HEAD DUE TO ELEVATION DIFFERENCE (WHERE APPLICABLE)			Static Head Calculation		
	Max. Elevation	33 Ft.	For Water	0.433 X Elev. Diff. =	12 PSIG
	Min. Elevation	5 Ft.	Other (Specify)		
	Elev. Diff.	28 Ft.		X Elev. Diff. =	PSIG

Pipe Specification: Size O.D.	Size W.T.	API or ASTM Grade Long Seam (ERW, DSAW, Seamless, Etc.)	Footage to Be Tested	Pipe Spec. and Footage Verified In Field	% of SMYS: At MAOP	At Min. Test Press.	At Max. Test Press.	Pressure to Give 90% SMYS
24.00	.375	Pipe, API 5L, X-60, DSAW (item #29)	43'3"	42.2	21.33	32.00	37.33	1688
16.00	.3125	Pipe, API 5L, X-52, ERW (item #30)	45'	44'	19.69	29.54	34.46	1828
16.00	.250	Pipe, Gr B, SMLS (item #11)	290'3"'	288.5	36.57	54.86	64.00	985

		Test Fluid To Be Used	MINIMUM TEST DURATION	
Minimum Test Pressure @ Max. Elevation	600 PSIG	WATER	- UNDER 30% SMYS (1 HR. MINIMUM)	8 HOURS
Maximum Test Pressure @ Min. Elevation	700 PSIG		- 30% SMYS & OVER (8 HRS. MINIMUM)	
			- PREINSTALLATION TEST (SEE ATTACHMENT 'A', GAS STD. A-34)	

Prepared By:	Date: (3)	For Information or Changes, Call:	Approved By:	Date: (4)
Redacted Redacted	7-14-11 ~~05/11/11~~	Redacted	Redacted	5/11/11

PART II - TEST DATA (TO BE PREPARED BY PERSON SUPERVISING TEST AT TIME OF TEST)

Redacted

Note: Minimum test pressure and duration are not to be changed without written approval.

Time and Date Test Pressure Reached	5-12-11 1145 620 PSI	Elevation at Test Point	30 FT	Min. Required Test Press. At Test Point (1)	600 PSIG	Max. Allowable Test Press at Test Point (4)	700 PSIG
Time and Date Test Ended	5-12-11 1945 677 PSI	Max. Elevation in Test Section	30 FT	Min. Indicated Test Pressure (2)	620 PSIG	Max. Indicated Test Pressure (5)	695 PSIG
Actual Duration of Test	8 hrs.	Min. Elevation in Test Section	30 FT	Min. Test Pressure at Max. Elevation (3)	620 PSIG	Max. Test Pressure at Min. Elevation (6)	695 PSIG

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

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
CPL 1703 0-1000 PSI	5-2-11	AMETEK, S/N 2845 0-3500 PSI	11-29-10

Test Supervised By:	Date:	Approved By:	Date:
Redacte Redacted (2)	7-14-11	Redacted (5)	7-13-11

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.

DISTRIBUTION

JOB FILE (AT SPONSORING ORGANIZATION)

GSM&TS RESPONSIBLE DISTRICT SUPERINTENDENT

PROJECT MANAGER/PROJECT ENGINEER

TECHNICAL & CONSTRUCTION SERVICES - ASSIGNED JOBS ONLY

CAPITAL ACCOUNTING (FOREMAN'S COPY OF JOB)

RECORDS SECTION (WC), GMS&TS

REPORT FAILURES UNDER TEST TO GAS ENGINEERING & PLANNING

(1) original document signed 6-23-11
(2) ORIGINAL Document Signed 5-12-11
(3) Original Document Signed 5-11-11
(4) original document signed 5-11-11