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-300A B	1	Kern	41497338	7/19/11

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

TEST 2 – Hydrostatically test tie-in piping, hydrostatic test piping and existing 34" L-300A B Existing pipeline material listed are from the "Material of Record" (refer to Dwg. 41497338 Sheet 4)

Hydrotest L-300A B from Redacted (Test section 82)

Location Class	Design Factor (F)	MAOP to be Established for this Piping by this Test	Future Design Pressure
1	0.72	757	757 PSIG

STATIC HEAD DUE TO ELEVATION DIFFERENCE (WHERE APPLICABLE)			Static Head Calculation		
	Max. Elevation	363 Ft.	For Water	0.433 X Elev. Diff. =	5 PSIG
	Min. Elevation	352 Ft.	Other (Specify)	X Elev. Diff. =	PSIG
	Elev. Diff.	11 Ft.			

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
34.00	0.505	API 5L, GR X-60, DSAW (item#101)	~~18'~~	61'	42.47	53.13	58.07	1604
34.00	0.375	API 5L, GR X-65, DSAW (item#102)	~~48'~~	35'	52.80	66.05	72.18	1290
34.00	0.344	API 5L, GR X-52, DSAW (item#1)	~~6289'~~	6210' A	71.94	90.00	98.36	947
34"	.500	API 5L GR X65 DSAW	5'		39.60	49.54	54.50	1721
				0				

Minimum Test Pressure @ Max. Elevation	947 PSIG	Test Fluid To Be Used WATER	MINIMUM TEST DURATION - UNDER 30% SMYS (1 HR. MINIMUM)	8 HOURS
Maximum Test Pressure @ Min. Elevation	1035 PSIG		- 30% SMYS & OVER (8 HRS. MINIMUM)	
			- PREINSTALLATION TEST (SEE ATTACHMENT 'A', GAS STD. A-34)	

Prepared By: Mark Cabral Mark Cabral Date: 7-20-11 For Information or Changes, Call: Redacted Ap Redacted Date: 7/21/11

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	8-23-11 10:52 AM	Elevation at Test Point	352 FT	Min. Required Test Press. At Test Point	(1)	952 PSIG	Max. Allowable Test Press at Test Point	(4)	1035 PSIG
Time and Date Test Ended	8-23-11 7:15 PM	Max. Elevation in Test Section	363 FT	Min. Indicated Test Pressure	(2)	965 PSIG	Max. Indicated Test Pressure	(5)	1030 PSIG
Actual Duration of Test	8 HR 23 MIN	Min. Elevation in Test Section	352 FT	Min. Test Pressure at Max. Elevation	(3)	960 PSIG	Max. Test Pressure at Min. Elevation	(6)	1030 PSIG

Test Fluid Used: WATER

Pipe Specification and Footage Verified (See Part I): ~~L-586~~ A 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, 624082	6/17/11	CHANDLER, 50-3000, 5198	6/17/11

Redacted Date: 8-23-11 Approved By: Jack Morris Date: 8-1-2011

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