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-300B	3	Central Coast/Hollister	41497337	10/3/11

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

TEST 2 – Hydrostatically test tie-in piping, hydrostatic test piping and existing 34" L-300B Existing pipeline material listed are from the "Material of Record" (refer to Dwg. 41497337 Sheet 3) ***Rev. 1 – Revised to include 20.00" OD piping and 1.05" OD piping***

Hydrotest L-300B from MP 450.7828 – 450.80 Hollister, CA (Test section 87A)

Location Class	Design Factor (F)	MAOP to be Established for this Piping by this Test	Future Design Pressure
3	0.50	631	631 PSIG

STATIC HEAD DUE TO ELEVATION DIFFERENCE (WHERE APPLICABLE)			Static Head Calculation		
	Max. Elevation	317 Ft.	For Water	0.433 X Elev. Diff. =	1 PSIG
	Min. Elevation	316 Ft.	Other (Specify)		
	Elev. Diff.	1 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
34.00	0.500	API 5L, GR X-46, DSAW (item#1)	~~60'~~	K.L.G 71' MOR	46.64	70.00	77.24	1218
34.00	0.500	API 5L, GR X-65, DSAW (item#101)	~~4'~~	K.L.G. 5'	33.01	49.54	54.66	1721
34.00	0.505	Caps, GR Y60 (item#153)	2 ea.	K.L.G.	35.40	53.13	58.63	1604
20.00	0.500	API 5L, X-65, DSAW (item#108)	2'	K.L.G.	19.42	29.14	32.15	2925
20.00	0.375	Caps, GR Y60 (item#160)	2 ea.	K.L.G.	28.04	42.09	46.44	2025
1.05	0.113	API 5L, GR B, SMLS	20.9'	K.L.G.	8.38	12.57	13.87	6780
20.00	0.500	APL 5L, X-42, SMLS	57 94 ~~57.5'~~	K.L.G. MOR	30.05	45.10	49.76	1890

Minimum Test Pressure @ Max. Elevation	947 PSIG	Test Fluid To Be Used	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	1045 PSIG	WATER		

Redacted 10/3/11

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

Approved By: Mark Cabral Date: 10/3/11

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	10:21 am 10-4-11	Elevation at Test Point	316 FT	Min. Required Test Press. At Test Point (1)	947 PSIG	Max. Allowable Test Press at Test Point (4)	1045 PSIG
Time and Date Test Ended	6:35 pm 10-4-11	Max. Elevation in Test Section	317 FT	Min. Indicated Test Pressure (2)	981 PSIG	Max. Indicated Test Pressure (5)	1044 PSIG
Actual Duration of Test	8 hours 15 min	Min. Elevation in Test Section	316 FT	Min. Test Pressure at Max. Elevation (3)	980 PSIG	Max. Test Pressure at Min. Elevation (6)	1044 PSIG

Test Fluid Used: water

Pipe Specification and Footage Verified (See Part I): K.L.G. A-603

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 202A-17552	6-7-2011	Crosby 50-3000 6106	5-19-2011

Test Supervised By: Redacted Date: 10-4-2011

Approved By: [signature] 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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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