Pacific Gas and Electric Company

Gas Pipeline Facilities Strength Test Pressure Report

(For Pipeline Facilities Designed to Operate over 100 PSIG)

62-4921 (Rev 11/02)
California Gas Transmission
(Use in Accordance with Gas Standard A-34 and GO 112-D)

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
Transmission Line #300B	South	Milpitas/Hollister District	8041492	4/21/03

Description of Job – Include Reference Drawing Numbers, and Pipeline Mileposts
Hydro test 34" L-300B from MP 489 19 to 490 08 due to class location change

Location Class	Design Factor (F)	MAOP to be Established for this Piping by this Test	Future Design Pressure
3	6	631 PSIG	631 PSIG

STATIC HEAD DUE TO ELEVATION DIFFERENCE (WHERE APPLICABLE)			Static Head Calculation		
	Max Elevation	808.5 Ft	For Water	0 433 X Elev Diff =	92.45 PSIG
	Min Elevation	595 Ft	Other (Specify)	X Elev Diff =	PSIG
	Elev Diff	213 5 Ft			

Pipe Specification Size OD	Size WT	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	% of SMYS At Min Test Press	% of SMYS At Max Test Press	Pressure to Give 90% SMYS
34.0"	.344"	API 5L, X-52, DSAW	4241'		59.97	90.09	99.96*	948
34 0"	375"	API 5L, X-52, DSAW	433'		55.01	82.65	94.24**	1033
34 0"	.4375"	API 5L, X-52, DSAW	100'		47 15	70.84	80.78	1205
		* at elevation C						
		** at elevation D						

		Test Fluid To Be Used	MINIMUM TEST DURATION	
Minimum Test Pressure @ Max Elevation B	948 PSIG	WATER	UNDER 30% SMYS (1 HR MINIMUM)	8 HOURS
Maximum Test Pressure @ Min Elevation E	1081 PSIG		30% SMYS & OVER (8 HRS MINIMUM)	
			- PREINSTALLATION TEST (SEE APPENDIX "A" GAS STD A-34)	

Prepared By	Date	For Information or Changes, Call		Date
[redacted]	02/14/2003	650/598-7359	[redacted]	4/7/03

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		Elevation at Test Point	FT	Min Required Test Press At Test Point (1)	PSIG	Max Allowable Test Press at Test Point (4)	PSIG
Time and Date Test Ended		Max Elevation in Test Section	FT	Min Indicated Test Pressure (2)	PSIG	Max. Indicated Test Pressure (5)	PSIG
Actual Duration of Test		Min Elevation in Test Section	FT	Min Test Pressure at Max Elevation (3)	PSIG	Max Test Pressure at Min Elevation (6)	PSIG

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

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
Test Supervised By	Date	Approved By	Date

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