expenditures show about 10,000' of 30" seamless grade B

#75-27
L-2-62R

760f

GAS OPERATIONS
DEPARTMENT OF GAS SYSTEM DESIGN
STRENGTH TEST PRESSURE REPORT
(Per General Order 112, Paragraph 209)

Date October 2, 1962

Job No. GM 154361

1. Project Description: Install 8,560 ft. of 30" main as cross-tie between Mains 105 and 153, 137th Avenue, San Leandro

2. Pipeline Data:	Size	Wall Thickness	Pipe Specifications
(a) Mainline	1254'-30"	0.3125"*	API 5LX x 52
* All calculations on 0.3125" wall pipe	7306'-30"	0.375"	" " "

(b) Design Operating Pressure, maximum 400 psig
psig

(c) Stress at Max. D.O.P. 19,200 psi; as % of yield 36.9
" " " "

(d) Location class 3 Type construction C
" "

(e) Test Pressure 600 Min. psig; fluid Water
800 Max. psig; " Water

(f) Stress at Test Pressure 28,800 Min. psi; as % of yield 55.4
38,400 Max. psi; " " " " 73.9

(g) Period of Test (See Instruction 3) 1 hour

3. Test Data
(a) Date and time started test _____, fluid used _____
(b) Date and time reached test pressure _____
(c) Date and time concluded test _____, actual test pressure _____
(d) Date and time Purging started _____, concluded _____
(e) Date and time Pipeline tied into System _____
(f) Date and time Pipeline placed in Operation _____
(g) Name of PG&E Supervisor conducting test _____
(h) Who made test? _____

General Construction Department _____
Division - _____
Contractor (Indicate Name) - _____

Instructions:
1. Strength test is required for all mains to operate at hoop stress of 20% or more of the specified minimum yield strength.

2. Test procedures are to conform to the requirements of paragraphs 841.3 and 841.4 (Section 209) of C.P.U.C. General Order No. 112.

3. The test period shall be suitable for the section of main to be tested; but in no instance shall it be less than 1 hour after stabilizing of pressure.

4. Retain one copy of completed report in job file. Send one copy to Division Operating Department and two to Department of Gas System Design.

#75-27
4-2-62R

GAS OPERATIONS
DEPARTMENT OF GAS SYSTEM DESIGN
STRENGTH TEST PRESSURE REPORT
(Per General Order 112, Paragraph 209)

Date November 19, 1962

Job No. GM 154361

1. Project Description: Crosstie Mains 105 and 153 at 137 Avenue

2. Pipeline Data:

		Size	Wall Thickness	Pipe Specifications
(a) Mainline	1)	30"	.375	API 5LX Gr. X52
	2)	30"	.3125	"

(b) Design Operating Pressure, maximum 542 psig
- psig

(c) Stress at Max. D.O.P. 1) 21,600 psi; as % of yield 41.5
2) 26,000 " " " " 50

(d) Location class 3 Type construction C
" "

(e) Test Pressure 831 psig; fluid Water
- psig; "

(f) Stress at Test Pressure 1) 33,200 psi; as % of yield 63.8
2) 39,900 psi; " " " " 76.7

(g) Period of Test (See Instruction 3) 1 Hour Minimum

3. Test Data
(a) Date and time started test _____, fluid used _____
(b) Date and time reached test pressure _____
(c) Date and time concluded test _____, actual test pressure _____
(d) Date and time Purging started _____, concluded _____
(e) Date and time Pipeline tied into System _____
(f) Date and time Pipeline placed in Operation _____
(g) Name of PG&E Supervisor conducting test _____
(h) Who made test? _____

General Construction Department _____
Division - _____
Contractor (Indicate Name) - _____

Instructions:
1. Strength test is required for all mains to operate at hoop stress of 20% or more of the specified minimum yield strength.
2. Test procedures are to conform to the requirements of paragraphs 841.3 and 841.4 (Section 209) of C.P.U.C. General Order No. 112.
3. The test period shall be suitable for the section of main to be tested; but in no instance shall it be less than 1 hour after stabilizing of pressure.
4. Retain one copy of completed report in job file. Send one copy to Division Operating Department and two to Department of Gas System Design.