

#75-27
4-2-62R

#3

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

Date August 29, 1962Job No. GM 118721

1. Project Description: Construction 20-inch gas transmission main - Kettleman to Morro Bay
(Section 3 - Pipeline station 565+0 to 630+1.6)

2. Pipeline Data:

	Size	Wall Thickness	Pipe Specifications
(a) Mainline	20"	5,738' of 0.250"	X-52
	20"	728' of 0.281"	X-52
(b) Design Operating Pressure, maximum	000	psig	
(c) Stress at Max. D.O.P. <u>36,000</u>	psi; as % of yield	69	
(d) Location class <u>1</u>	Type construction	A (B under road crossings)	
(e) Test Pressure <u>1,300 maximum</u>	psig; fluid	water	
	<u>1,070 minimum</u>	psig; "	
(f) Stress at Test Pressure <u>52,000 MAX.</u>	psi; as % of yield	100	
	<u>43,000 MIN.</u>	psi; " " " " 83	
(g) Period of Test (See Instruction 3)	<u>12 hours 45 minutes. Pressure stable at 1,263.5 psi from 1:30 AM to 2:30 PM 7/16/62</u>		

3. Test Data

(a) Date and time started test 7/11/62, 6:40 PM, fluid used water

(b) Date and time reached test pressure 7/11/62, 7:15 PM at 1,300 psi

(c) Date and time concluded test 7/16/62, 2:30 PM, actual test pressure 1,263.5

(d) Date and time Purging started 8-8-62, 6:50AM, concluded 8-8-62, 7:35 PM

(e) Date and time Pipeline tied into System 8/28/62, 8:00 PM

(f) Date and time Pipeline placed in Operation 8/28/62, 9:00 PM

(g) Name of PG&E Supervisor conducting test P. E. Long

(h) Who made test? River Construction Corporation

General Construction Department P. E. Long and J. W. Paxton
Division - Pipe Line Operations
Contractor (Indicate Name) - River Construction Corporation

- Instructions:
- Strength test is required for all mains to operate at hoop stress of 20% or more of the specified minimum yield strength.
 - 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.
 - 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.
 - Retain one copy of completed report in job file. Send one copy to Division Operating Department and two to Department of Gas System Design.

Features: 271-292

MAUPOS271022.TIF

306