

#75-27
4-2-62R

271-292

(AS 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.</u>	Pressure stable at 1,263.5	
	psi from 7:30 AM to 2:30 PM 7/16/62		

3. Test Data

(a) Date and time started test	<u>7/11/62, 6:40 PM</u>	fluid used	<u>water</u>
(b) Date and time reached test pressure	<u>7/11/62, 7:15 PM</u>	at	<u>1,300 psi</u>
(c) Date and time concluded test	<u>7/16/62, 2:30 PM</u>	actual test pressure	<u>1,263.5</u>
(d) Date and time Purging started	<u>8-8-62, 6:50AM</u>	concluded	<u>8-8-62, 7:35 PM</u>
(e) Date and time Pipeline tied into System	<u>8/28/62, 8:00 PM</u>		
(f) Date and time Pipeline placed in Operation	<u>8/28/62, 9:00 PM</u>		
(g) Name of PG&E Supervisor conducting test	<u>P. E. Long</u>		
(h) Who made test?	<u>River Construction Corporation</u>		

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

- 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.

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