

15-27
4-2-62R

#2

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

SHEET 1 of 2

Date August 29, 1962Job No. GI 148721

1. Project Description: Construct 20-inch gas transmission main - Kettelman to Morro Bay
(Section 2- Pipeline station 159+2 to 565+80)

2. Pipeline Data:

	Size	Wall Thickness	Pipe Specifications
(a) Mainline	20" 39,981' of 0.250"		API X-52
	20" 674' of 0.281"		API X-52
(b) Design Operating Pressure, maximum	900	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 Instructio. 3)	<u>35 hours 15 minutes repressured, see sheet #2</u>		

3. Test Data

(a) Date and time started test 7/5/62 12:15 AM, fluid used water
 (b) Date and time reached test pressure 7/15/62 12:20 AM at 1,170.5 psi
 (c) Date and time concluded test 7/16/62 11:35 AM, actual test pressure 1,134.5 psi
 (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 - Pipeline 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: 153-270

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