

15-27
4-2-62R

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

SHEET 2 of 2

Date August 29, 1962

Job No. GI 1/8721

1. Project Description: Construct 20-inch gas transmission main - Kettelman to Morro Bay
(Section 2 - Pipeline station 159+2' to 555+30 - REPRESSURE)

2. Pipeline Data:

	Size	Wall Thickness	Pipe Specifications
(a) Mainline	20"	39,981' of 0.250"	X-52
	20"	674' of 0.281"	X-52
(b) Design Operating Pressure, maximum	900	psig	
(c) Stress at Max. D.O.P.	36,000	psi; as % of yield	69
(d) Location class	1	Type construction	A (B under road crossings)
(e) Test Pressure	1,300 maximum	psig; fluid	water
	1,070 minimum	psig; "	
(f) Stress at Test Pressure	52,000 MAX.	psi; as % of yield	100
	43,000 MIN	psi; " " " "	83
(g) Period of Test (See Instruction 3)	26 hours 15 minutes. Pressure held stable at 1,158.5 psi from 1:20 PM to 3:40 PM, 7/17/62		

3. Test Data

(a) Date and time started test 7/6/62, 1:20 PM, fluid used water
 (b) Date and time reached test pressure 7/16/62, 1:25 PM at 1,171 psi
 (c) Date and time concluded test 7/17/62, 3:40 PM, actual test pressure 1,158.5 psi
 (d) Date and time Purging started 8-8-62, 6:50 AM, concluded 8-8-62, 7:35 PM
 (e) Date and time Pipeline tied in to System 8/23/62, 8:00 PM
 (f) Date and time Pipeline placed in Operation 8/23/62, 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 153-270

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