

#75-27
4-2-62R

#1

AS 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. Gil 148721

1. Project Description: Construct 0-inch gas transmission main - Kettleman to Morro Bay
Section 1 - Pipeline station 0+00 to 159+25

2. Pipeline Data: 44-44.1 57-152

| | Size | Wall Thickness | Pipe Specifications |
|--|---|-------------------------|---------------------|
| (a) Mainline | 20" | 80' of 0.344" | API X-52 |
| | 20" | 4,012' of 0.250" | API XC-60 |
| | 20" | 11,833' of 0.250" | API 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 <u>II</u> | Type construction | A (B on road crossings) | |
| (e) Test Pressure <u>1,300 maximum</u> | psig; fluid | water | |
| | <u>1,070 minimum</u> | psig; " | water |
| (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>21 hours 55 minutes and then repressured</u> (see next sheet) | | |

3. Test Data

(a) Date and time started test 7/1/62, 1:50 AM, fluid used water
 (b) Date and time reached test pressure 7/15/62, 2:35 AM at 1,300 psi
 (c) Date and time concluded test 7/16/62, 3:30 PM, actual test pressure 1,253 psi
 (d) Date and time Purging started 8-3-62, 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 8/28/62, 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. Orr 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.

Features: 44-44.1, 57-152

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