

PG&E  
GAS OPERATIONS  
STRENGTH TEST PRESSURE REPORT  
(FOR PIPE FACILITIES OPERATIONS OVER 100 PSIG)

WORK IN ACCORDANCE WITH  
GAS STD. A-34 AND GO 112

TEST #1

SHEET \_\_\_\_\_ OF \_\_\_\_\_

PART I - DESIGN DATA - (TO BE PREPARED BY PROJECT ENGINEER OR GAS SYSTEM DESIGN DEPT.)

|                                     |                     |                    |                                |                          |
|-------------------------------------|---------------------|--------------------|--------------------------------|--------------------------|
| DIST. MAIN OR LINE NO.<br>10" L-174 | DIVISION<br>COLGATE | DISTRICT<br>COLUSA | W.O. OR G.M. NO.<br>GM 4210610 | DATE W.O. OR GM APPROVED |
|-------------------------------------|---------------------|--------------------|--------------------------------|--------------------------|

DESCRIPTION OF JOB - INCLUDE REFERENCE DRAWING NUMBERS  
HYDROSTATIC TEST 10" - L-174 - TEST SECTION #1 -

|                     |                          |   |   |  |
|---------------------|--------------------------|---|---|--|
| LOCATION CLASS<br>1 | DESIGN FACTOR (F)<br>.50 | PRESENT MAP OF FACILITIES (PSIG)<br>200 | MAP TO BE ESTABLISHED BY THIS TEST<br>200 | DESIGN PRESSURE - THIS SECTION (FUTURE DESIGN PRESSURE)<br>200 |
|---------------------|--------------------------|---|---|--|

SPECIAL PROTECTION REQUIRED WHERE COVER OVER PIPE IS LESS THAN SPECIFIED IN PAR. 192.227 G. O. 112 - SEE PAR. 141.2(B) GIVE M.K. & REF. DWG. NO. FOR EACH LOCATION.  
N/A

|  |   |                   |  |                          |      |
|--|---|-------------------|--|--------------------------|------|
| STATIC HEAD DUE TO ELEVATION DIFFERENCE (WHERE APPLICABLE) | MAX. ELEVATION<br>MIN. ELEVATION<br>DIFF. | FT.<br>FT.<br>FT. | STATIC HEAD CALCULATION FOR WATER<br>OTHER (SPECIFY) | 0.433 X DIFF.<br>X DIFF. | PSIG |
|--|---|-------------------|--|--------------------------|------|

| PIPE SIZE |       | PIPE SPECIFICATION          |                   | % OF S.M.Y.S.    |                     |                     | PRESS. TO GIVE 50% SMYS | FOOTAGE TO BE TESTED | VERIFIED IN FIELD |
|-----------|-------|-----------------------------|-------------------|------------------|---------------------|---------------------|-------------------------|----------------------|-------------------|
| O.D.      | W.T.  | API GR. ENV. DSAM. SEAMLESS | VERIFIED IN FIELD | AT DESIGN PRESS. | AT MIN. TEST PRESS. | AT MAX. TEST PRESS. |                         |                      |                   |
| 10.750    | 0.219 | API 5L X 60 X 42 PW         | X                 | 46.75            | 70.12               | 81.81               | 1540                    | 18192                | X                 |

|                                   |      |      |                                |   |   |      |
|-----------------------------------|------|------|--------------------------------|---|---|------|
| MINIMUM PRESSURE FOR TEST         | 1200 | PSIG | TEST FLUID TO BE USED<br>WATER | MINIMUM TEST DURATION UNDER 30% SMYS (1 HR. MIN.)<br>30% SMYS & OVER (8 HR. MIN.)<br>PREINSTALLATION TEST (SEE 192.245(B) GO 112) | 2 | HRS. |
| MAXIMUM PERMISSIBLE TEST PRESSURE | 1400 | PSIG |                                |   |   |      |

PREPARED BY \_\_\_\_\_ DATE \_\_\_\_\_ FOR INFORMATION OR CHANGES CALL \_\_\_\_\_ DATE 12-28-87

PART II - TEST DATA - TO BE PREPARED BY PERSON SUPERVISING TEST AT TIME OF TEST. NOTE: MINIMUM TEST PRESSURE AND DURATION ARE NOT TO BE CHANGED WITHOUT WRITTEN APPROVAL.

|                                     |           |        |                                |     |     |                                     |      |       |
|-------------------------------------|-----------|--------|--------------------------------|-----|-----|-------------------------------------|------|-------|
| TIME AND DATE REACHED TEST PRESSURE | 0710      | 1-9-90 | ELEVATION AT TEST POINT        | N/A | FT. | INDICATED TEST PRESSURE (1)         | 1300 | PSIG. |
| TIME AND DATE TEST ENDED            | 1542      | 1-9-90 | MAX. ELEVATION IN TEST SECTION |     | FT. | TEST PRESSURE AT MAX. ELEVATION (2) |      | PSIG. |
| ACTUAL DURATION OF TEST             | 8hr 22min |        | MIN. ELEVATION IN TEST SECTION |     | FT. | TEST PRESSURE AT MIN. ELEVATION (3) |      | PSIG. |

|   |                                    |                                  |         |  |   |
|---|------------------------------------|----------------------------------|---------|--|---|
| TEST FLUID USED                             | Water                              | PIPE SPEC. VERIFIED (SEE PART I) | X       | PIPE FOOTAGE VERIFIED (SEE PART I)             | X |
| MAKE, RANGE & SERIAL NO. OF RECORDING GAUGE | 10490005 0/3000<br>Sens. 4.6312 JB | DATE LAST CALIBRATION            | 10-5-87 | MAKE, RANGE & SERIAL NO. OF DEAD WEIGHT TESTER |   |
| TEST SUPERVISOR                             |                                    | DATE                             | 1-9-90  |  |   |

PUT SCHEMATIC SKETCH ON BACK OF THIS SHEET:

SHOW LOCATION OF FACILITY TESTED, MIN. & MAX. ELEVATION IN FEET, MILE POINTS, VALVE NUMBERS AND INCORPORATED AREAS. USE AN ADDITIONAL SHEET IF NECESSARY (SHOW REFERENCE NUMBERS ON FACE OF ALL DRAWINGS AND ATTACHMENTS). FOR STATION PIPING, FABRICATED UNITS AND SHORT SECTION OF PIPE, ALSO SHOW A DETAILED SKETCH OF EACH ASSEMBLY TESTED.

|   |   |
|---|---|
| DISTRIBUTION  | X PIPE SPEC & FOOTAGE FROM PIPE LINE DRAWINGS   |
| DIST. GAS SUPPLY JOB FILE<br>DIV. GAS SUPPLY<br>GC GAS - ASSIGNED JOBS<br>GAS SYSTEM DESIGN (S)<br>PLANT ACCTG. (WITH FOREMAN'S COPY OF JOB)<br>PIPELINE HISTORY FILE<br>REPORT FAILURES UNDER TEST TO GAS SYSTEM DESIGN AND GAS DISTRIBUTION DEPT'S. | (1) LOWEST PRESSURE ON TEST GAUGE AT ANY TIME DURING TEST.<br>(2) SUBTRACT STATIC HEAD DUE TO ELEVATION DIFFERENCE (BETWEEN TEST PT AND MAX. ELEVATION) FROM INDICATED TEST PRESSURE.<br>(3) ADD STATIC HEAD DUE TO ELEVATION DIFFERENCE (BETWEEN TEST PT AND MIN. ELEVATION) TO INDICATED TEST PRESSURE. |