

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

DUE IN ACCORDANCE WITH
GAS STD. A-54 AND 90.112

SHEET 1 OF 2

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

DIST. MAP OR LINE NO. G.D.F.M. DIVISION EAST BAY DISTRICT DIABLO W.O. OR S.M. NO. GM1934587 DATE W.O. OR SM APPROVED

DESCRIPTION OF JOB - INCLUDE REFERENCE DRAWING NUMBERS

INSTALL 10,472' OF G.D.F.M.

PRESENT MAP OF FACILITIES (PSIG) 338 MAP TO BE ESTABLISHED BY THIS TEST 338 DESIGN PRESSURE - THIS SECTION (FUTURE DESIGN PRESSURE) 338

SPECIAL PROTECTION REQUIRED WHERE COVER OVER PIPE IS LESS THAN SPECIFIED IN PAR. 102.327-G, G. O. 112 - SEE PAR. 141.218) GIVE M.R. & 'REF. DWG. NO. FOR EACH LOCATION.

STATIC HEAD DUE TO ELEVATION DIFFERENCE (WHERE APPLICABLE) _____ MAX. ELEVATION 700 FT. MIN. ELEVATION 575 FT. DIFF. 125 FT. STATIC HEAD CALCULATION FOR WATER _____ 0.433 X DIFF. _____ PSIG OTHER (SPECIFY) _____ X DIFF. 54

PIPE SIZE	PIPE SPECIFICATION	VERIFIED IN FIELD	% OF S.M.Y.S.			PRESS. TO GIVE 50% SAYS	FOOTAGE TO BE TESTED	VERIFIED IN FIELD
			AT DESIGN PRESS.	AT MIN. TEST PRESS.	AT MAX. TEST PRESS.			
<u>CG25 .156</u>	<u>API 5LX GR. X42, EAW</u>	<u>224</u>	<u>17.1</u>	<u>25.6</u>	<u>33.4</u>	<u>1780</u>	<u>10,472</u> <u>19,515</u>	<u>100%</u>

MINIMUM PRESSURE FOR TEST WATER 507 PSIG TEST FLUID TO BE USED WATER MINIMUM TEST DURATION UNDER 50% SAYS (1 HR. MIN.) 50% SAYS & OVER (2 HR. MIN.) PREINSTALLATION TEST (SEE 102.509) (112) 1 HR.

MAXIMUM PERMISSIBLE TEST PRESSURE 661 PSIG

PREPARED BY T. INMAN DATE 5-5-83 FOR INFORMATION OR CHANGES, CALL D. LEONARD DATE 7-7-83

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	TIME AND DATE TEST ENDED	ACTUAL DURATION OF TEST	TEST FLUID USED	PIPE SPEC. VERIFIED (SEE PART I)	PIPE FOOTAGE VERIFIED (SEE PART I)	DATE LAST CALIBRATION	MAKE, RANGE & SERIAL NO. OF DEAD WEIGHT TESTER	DATE LAST CALIBRATION
<u>1030 HRS</u> <u>11-19-83</u>	<u>1315 HRS</u> <u>11-19-83</u>	<u>2 HR 45 MIN</u>	<u>WATER</u>	<u>CG25</u>	<u>10,472</u>	<u>10-18-82</u>	<u>FOXBORO 0-2000</u> <u>2545879</u>	<u>11/22/83</u>
ELEVATION AT TEST POINT	MAX. ELEVATION IN TEST SECTION	MIN. ELEVATION IN TEST SECTION	INDICATED TEST PRESSURE (1)	INDICATED TEST PRESSURE AT MAX. ELEVATION (2)	TEST PRESSURE AT MIN. ELEVATION (3)			
<u>700</u> FE.	<u>700</u> FE.	<u>575</u> FE.	<u>605</u> PSIG	<u>605</u> PSIG	<u>661</u> PSIG			

TEST SUPERVISED BY: J. E. Bushy APPROVED BY: J. E. Bushy DATE: 11/22/83

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

DIST. GAS SUPPLY-JOB FILE
D.W. GAS SUPPLY
G.C. GAS - ASSIGNED JOBS
GAS SYSTEM DESIGN (2)
PLANT ACCTG. (WITH FOREMAN'S COPY OF JOB)
PIPELINE HISTORY FILE
REPORT FOLLIES UNDER TEST TO GAS SYSTEM DESIGN AND GAS DISTRIBUTION DEPT.

- (1) LOWEST PRESSURE ON TEST GAUGE AT ANY TIME DURING TEST.
(2) SUBTRACT STATIC HEAD DUE TO ELEVATION DIFFERENCE (BETWEEN TEST PT AND MAX. ELEVATION) FROM INDICATED TEST PRESSURE.
(3) ADD STATIC HEAD DUE TO ELEVATION DIFFERENCE (BETWEEN TEST PT AND MIN. ELEVATION) TO INDICATED TEST PRESSURE.

STRENGTH TEST REPORT
FROM THE LABORATORY OF THE BUREAU OF RESEARCH

PART I DESIGN DATA (TO BE FURNISHED BY PROSECUTOR)

TEST BY: J.D. ...

DATE OF TEST: ...

TEST NO.: ...

TESTER: ...

TESTER'S SIGNATURE: ...

TESTER'S TITLE: ...

TESTER'S ORGANIZATION: ...

TESTER'S ADDRESS: ...

TESTER'S PHONE: ...

TESTER'S TELETYPE: ...

TESTER'S RADIO: ...

TESTER'S MAILING ADDRESS: ...

TESTER'S BUSINESS ADDRESS: ...

TESTER'S HOME ADDRESS: ...

TESTER'S SOCIAL SECURITY NUMBER: ...

TESTER'S MARITAL STATUS: ...

TESTER'S OCCUPATION: ...

TESTER'S EDUCATION: ...

TESTER'S EXPERIENCE: ...

TESTER'S REFERENCES: ...

TESTER'S COMMENTS: ...

TESTER'S SIGNATURE: ...

TESTER'S TITLE: ...

TESTER'S ORGANIZATION: ...

TESTER'S ADDRESS: ...

TESTER'S PHONE: ...

TESTER'S TELETYPE: ...

TESTER'S RADIO: ...

TESTER'S MAILING ADDRESS: ...

TESTER'S BUSINESS ADDRESS: ...

TESTER'S HOME ADDRESS: ...

TESTER'S SOCIAL SECURITY NUMBER: ...

TESTER'S MARITAL STATUS: ...

TESTER'S OCCUPATION: ...

TESTER'S EDUCATION: ...

TESTER'S EXPERIENCE: ...

TESTER'S REFERENCES: ...

TESTER'S COMMENTS: ...

TESTER'S SIGNATURE: ...

TESTER'S TITLE: ...

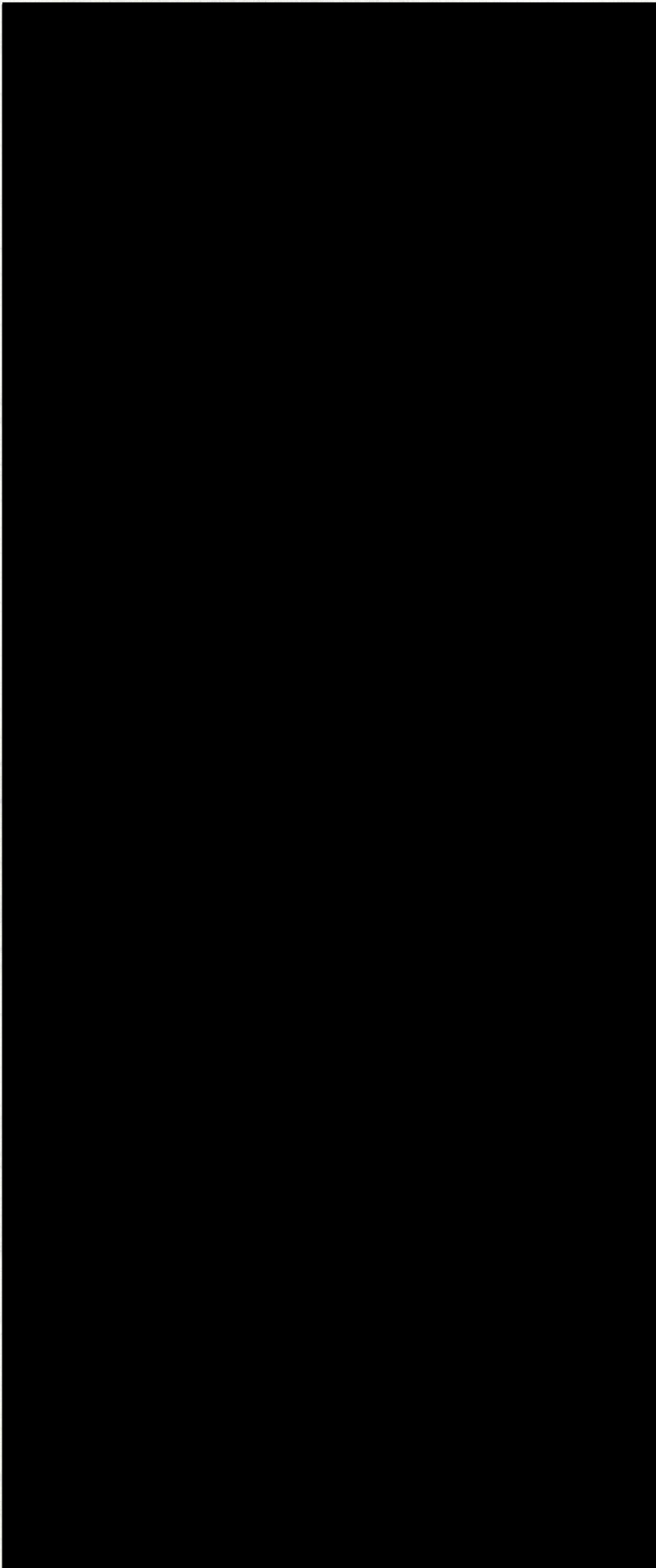
TESTER'S ORGANIZATION: ...

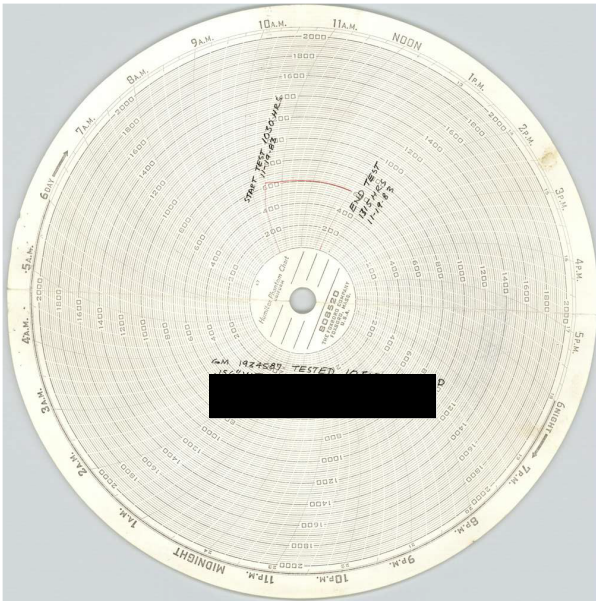
TESTER'S ADDRESS: ...

TESTER'S PHONE: ...

TESTER'S TELETYPE: ...

TESTER'S RADIO: ...





START TEST 10:30 A.M.
11-2-48

END TEST
11:15 A.M.
11-2-48

Nominal Distance Measuring Chart
60880
THE RANDOLPH COMPANY
U.S.A. MADE IN U.S.A.

10 A.M. 1927587 TESTED 10:30
1527587

1. JOB CM
2. LOCATION
3. DATE 11-19-83
4. TIME 1030-15
5. LENGTH 10,515
6. PIPE SPEC. API 5LX GR
7. RECORDING GAUGE FOXBORO SER.
8. RANGE 0-2000 SER.
9. DEAD WGT. LAST CALIBRATED
10. RANGE WATER 11-22-83
11. TEST FLUID J. Busby DATE 11/22/83
12. SUPERVISED J. F. Busby
13. APPROVED

MORAGA

SAT 11-19-83
J. BUSBY