

62-4921 REV. 4-79

PG&E
GAS OPERATIONS
STRENGTH TEST PRESSURE REPORT
(FOR PIPE FACILITIES OPERATIONS OVER 100 PSIG)(USE IN ACCORDANCE WITH
GAS STD. A-34 AND GO 112)

SHEET 10 OF 13

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

DIST. MAIN OR LINE NO. L-306	DIVISION PLO	DISTRICT KETTLEMAN	W.O. OR G.M. NO. 4360434	DATE W.O. OR G.M. APPROVED ?
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DESCRIPTION OF JOB - INCLUDE REFERENCE DRAWING NUMBERS

INSTALLATION OF 8" TAP AND ASSOCIATED EQUIPMENT

OFF L-306 AT M.P. 69.80 TO SEAVE

LOCATION CLASS II	DESIGN FACTOR (P) 0.5	PRESENT MAOP OF FACILITIES (PSIG) 650	MAOP TO BE ESTABLISHED BY THIS TEST 840 820	DESIGN PRESSURE THIS SECTION (FUTURE DESIGN PRESSURE) 840 820
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SPECIAL PROTECTION REQUIRED WHERE COVER OVER PIPE IS LESS THAN SPECIFIED IN PAR. 192.327-G, O. 112 - SEE PAR. 141.2(B) GIVE M.R. & REF. DWG. NO. FOR EACH LOCATION.

STATIC HEAD DUE TO ELEVATION DIFFERENCE (WHERE APPLICABLE)

MAX. ELEVATION _____ FT.
MIN. ELEVATION _____ FT.
DIFF. _____ FT.

STATIC HEAD CALCULATION FOR WATER

0.433 X DIFF.

PSIG

OTHER (SPECIFY) _____

X DIFF. _____

PIPE SIZE		PIPE SPECIFICATION		% OF S.M.Y.S.			PRESS. TO GIVE 90% SMYS	FOOTAGE TO BE TESTED	VERIFIED IN FIELD
O.D.	W.T.	API, GR. ERW, DRAW. SEAMLESS	VERIFIED IN FIELD	AT DESIGN PRESS.	AT MIN. TEST PRESS.	AT MAX. TEST PRESS.			
8.625	0.322	API 5L GA.B SMLS	31.4 → 32.4	48.2	57.4	2352	35	38'	
12.750	0.375	API 5L GA.B SMLS	39.8 → 40.8	61.2	72.9	1853	2	2'	
16.000	0.375	API 5L GA.B SMLS	50.0 → 51.2	76.8	91.4	1477	60		
MAOP / DP TO BE ESTABLISHED BY THIS TEST CHANGED TO 820 PSIG TO MEET REQUIREMENT OF 0.5 DESIGN FACTOR									

MINIMUM PRESSURE FOR TEST

1260 PSIG

TEST FLUID TO BE USED

H₂OMINIMUM TEST DURATION UNDER 30% SMYS (1 HR. MIN.)
30% SMYS & OVER (8 HR. MIN.)
PREINSTALLATION TEST (SEE 192.503(B) GO 112)

8

HRS.

MAXIMUM PERMISSIBLE TEST PRESSURE

1500 PSIG

PREPARED BY MSFAULKNERBY

DATE 2/9/84

FOR INFORMATION OR CHANGES, CALL

MSF X4463

APPROVED BY: GMV

DATE 2/10/84

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	2-24-84 7:00 AM	ELEVATION AT TEST POINT	FT.	INDICATED TEST PRESSURE (1)	1420	PSIG.
TIME AND DATE TEST ENDED	3:10 PM 2-24-84	MAX. ELEVATION IN TEST SECTION	FT.	TEST PRESSURE AT MAX. ELEVATION (2)		PSIG.
ACTUAL DURATION OF TEST	8 hrs 10 min	MIN. ELEVATION IN TEST SECTION	FT.	TEST PRESSURE AT MIN. ELEVATION (3)		PSIG.

TEST FLUID USED Water	PIPE SPEC. VERIFIED (SEE PART I)	PIPE FOOTAGE VERIFIED (SEE PART I)
MAKE, RANGE & SERIAL NO. OF RECORDING GAUGE Foxboro 33071492 2-2800 2-4000	DATE LAST CALIBRATION 2-24-84	MAKE, RANGE & SERIAL NO. OF DEAD WEIGHT TESTER Chandler Ser # 15036 9-21-83

TEST SUPERVISED BY Frank C. Carter	APPROVED BY Frank C. Carter	DATE 2-24-84
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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 SUPT. JOB FILE
DIV. GAS SUPT.
GC GAS - ASSIGNED JOBS
GAS SYSTEM DESIGN (2)
PLANT ACCTG. (WITH FOREMAN'S COPY OF JOB)
PIPELINE HISTORY FILE
4 REPORT FAILURES UNDER TEST TO GAS SYSTEM DESIGN AND GAS DISTRIBUTION DEPT'S.

- (1) LOWEST PRESSURE ON TEST GAUGE AT ANY TIME DURING TEST. MAOP10088639.JPG
- (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.