

FEB-09-1993 14:56 FROM

GAS TRANS. & STORAGE

TO

88217584

P.02

4921 REV. 4-79

(USE IN ACCORDANCE WITH
GAS STD. A-34 AND G-11)

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

SHEET 1 OF 1**PART I - DESIGN DATA - (TO BE PREPARED BY PROJECT ENGINEER OR GAS SYSTEM DESIGN DEPT.)**

ST. MAIN OR LINE NO. <u>L-306</u>	DIVISION <u>SDO</u>	DISTRICT <u>Kettleman</u>	W.O. OR G.M. NO. <u>4055307</u>	DATE W.O. OR GM APPROVED <u>1.22.93</u>
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DESCRIPTION OF JOB - INCLUDE REFERENCE DRAWING NUMBERS

Install new pressure regulation facility at mile point 40.30rel DWG No 489534

LOCATION CLASS <u>1</u>	DESIGN FACTOR (F) <u>0.5</u>	PRESENT MAOP OF FACILITIES (PSIG) <u>840</u>	MAOP TO BE ESTABLISHED BY THIS TEST <u>840</u>	DESIGN PRESSURE - THIS SECTION (FUTURE DESIGN PRESSURE) <u>840</u>
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SPECIAL PROTECTION REQUIRED WHERE COVER
OVER PIPE IS LESS THAN SPECIFIED IN PAR. 192.327-
3. O. 112 - SEE PAR. 141.2(B) GIVE M.P. & REF. DWG.
NO. FOR EACH LOCATION.

N/A

STATIC HEAD DUE TO
ELEVATION DIFFERENCE
(WHERE APPLICABLE)

MAX. ELEVATION N/A FT.
MIN. ELEVATION N/A FT.
DIFF. N/A FT.

STATIC HEAD CALCULATION
FOR WATER N/A
OTHER (SPECIFY) N/A

0.433 X DIFF.

PSIG

X DIFF.

PIPE SIZE		PIPE SPECIFICATION		VERIFIED IN FIELD	% OF S.M.Y.S.			PRESS. TO GIVE 90% SMYS	FOOTAGE TO BE TESTED	VERIFIED IN FIELD
O.D.	W.T.	AP, GR, ERW, DSAW, SEAMLESS			AT DESIGN PRESS.	AT MIN. TEST PRESS.	AT MAX. TEST PRESS.			
20.0	0.375	API 5L X-52 DSAW		✓	43.1	64.6	65.1	1755	6	✓
16.0	0.438	" " " "		✓	29.5	44.3	44.6	2542	30	✓
6.625	0.280	API 5L Gr B SMLS		✓	18.4	42.6	42.9	2063	200	✓
4.050	0.237	" " " "		✓	20.5	30.8	31.0	3310	20	✓
2.375	0.154	" " " "		✓	18.5	27.8	28.0	4085	15	✓
1.050	0.154	" " " "		✓	8.2	12.3	12.4	9240	20	✓

MINIMUM PRESSURE FOR TEST

1260

PSIG

TEST FLUID TO
BE USED.

MINIMUM TEST DURATION
UNDER 30% SMYS (1 HR. MIN.)
30% SMYS & OVER (8 HR. MIN.)
PREINSTALLATION TEST (SEE 192.305(B) GO 112)

8 HRS.

MAXIMUM PERMISSIBLE TEST PRESSURE

1270

PSIG

WaterPREPARED BY G.H. DwyerDATE 2.3.93FOR INFORMATION
OR CHANGES, CALL 223-4750

APPROVED BY:
[Signature]
DATE 2.8.93

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	<u>7:15A / 2.10.93</u>	ELEVATION AT TEST POINT	<u>N/A</u> FT.	INDICATED TEST PRESSURE (1)	<u>1260</u> PSIG.
TIME AND DATE TEST ENDED	<u>3:15P / 2.10.93</u>	MAX. ELEVATION IN TEST SECTION	<u>N/A</u> FT.	TEST PRESSURE AT MAX. ELEVATION (2)	<u>N/A</u> PSIG.
ACTUAL DURATION OF TEST	<u>8:00 HRS</u>	MIN. ELEVATION IN TEST SECTION	<u>N/A</u> FT.	TEST PRESSURE AT MIN. ELEVATION (3)	<u>N/A</u> PSIG.

TEST FLUID USED	<u>H₂O</u>	PIPE SPEC. VERIFIED (SEE PART I)	PIPE FOOTAGE VERIFIED (SEE PART I)
MAKE, RANGE & SERIAL NO. OF RECORDING GAUGE	<u>5204905A</u>	DATE LAST CALIBRATION <u>8.13.92</u>	MAKE, RANGE & SERIAL NO. OF DEAD WEIGHT TESTER
EST SUPERVISOR	<u>[Signature]</u>	DATE <u>2.10.93</u>	APPROVED
BY:	<u>[Signature]</u>	DATE <u>5.2.79</u>	DATE

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)
PRELIMINARY FILE
REPORT FAILURE UNDER
TEST TO GAS SYSTEM DESIGN

(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

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