



Pacific Gas and Electric Company
Gas Pipeline Facilities Strength Test Pressure Report
 (For Pipeline Facilities Designed to Operate over 100 PSIG)

62-4921 (Rev. 2/04)
 California Gas Transmission
 (Use in Accordance with Gas Standard A-34 and CO 112-D)

Sheet **1** of **4**

PART I - DESIGN DATA (TO BE PREPARED BY PROJECT ENGINEER)

Feeder Main Number, Line Number, or Station Name L-153	Area 2	Division/District Mission	Job Number 41497362	Date Job Authorized 6/27/2011
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Description of Job -- Include Reference Drawing Numbers, and Pipeline Mileposts
 Hydrostatically test 30" tie-in piping, hydrostatic test piping, and existing 30" L-153
 Existing 30" materials listed are from the Material of Record* (refer to DRWG 41497362 Sheet 7) (Design Change #4)
 Hydrotest L-153 from MP 13.62 - 17.62 San Lorenzo, CA (Test section 46)

Location Class 3	Design Factor (F) .5	MAOP to be Established for this Piping by this Test 420 PSIG	Future Design Pressure 420 PSIG
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STATIC HEAD DUE TO ELEVATION DIFFERENCE (WHERE APPLICABLE)	Max. Elevation 15 Ft.	Static Head Calculation For Water 0.433 X Elev. Diff. = 13 PSIG Other (Specify) _____ X Elev. Diff. = _____ PSIG
	Min. Elevation -15 Ft.	
	Elev. Diff. 30 Ft.	

Pipe Specification			Footage to Be Tested	Pipe Spec. and Footage Verified In Field	% of SMYS			Pressure to Give 90% SMYS
Size O.D. W.T.	API or ASTM Grade Long Seam (ERW, DSAW, Seamless, Etc.)				At MAOP	At Min. Test Press.	At Max. Test Press.	
30.00 .375	API 5L, GR X-65, DSAW (Revised item 103)		189'	207.4 A	25.85	38.77	53.85	1463
30.00 .375	API 5L, GR X-60, DSAW (item #8)		42'	32.1 A	28.00	42.00	58.33	1350
30.00 .375	GR X-52, DSAW (item #9)		20623'	20804 A	32.31	48.46	67.31	1170
30.00 .375	GR B, Seam Unknown (item #10)		162'	162 A	48.00	72.00	100.00	788
- -	Item Removed (item #11)		-	M.O.R.	-	-	-	-
30.00 .3125	GR X-52, DSAW (item #12)		223'	203.1 A	38.77	58.15	80.77	975
0.75 .113	API 5L, Gr. B, SMLS (item #118)		5'	0 A	3.98	5.97	8.30	9492

Minimum Test Pressure @ Max. Elevation 630 PSIG	Test Fluid To Be Used WATER	MINIMUM TEST DURATION - UNDER 30% SMYS (1 HR. MINIMUM) - 30% SMYS & OVER (8 HRS. MINIMUM) - PREINSTALLATION TEST (SEE ATTACHMENT 'A', GAS STD. A-34)	8 HOURS
Maximum Test Pressure @ Min. Elevation 875 PSIG			

Prepared By: *Colin Silla* Date: **06/27/11** For Information or Changes, Call: **Scott Clapp (530) 514-6482** Approved By: *[Signature]* Date: **6/29/11**

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 Test Pressure Reached 8:25 P 7-8-11	Elevation at Test Point 12 FT	Min. Required Test Press. At Test Point (1) 631 PSIG	Max. Allowable Test Press at Test Point (4) 863 PSIG
Time and Date Test Ended 4:45 A 7-9-11	Max. Elevation in Test Section 15 FT	Min. Indicated Test Pressure (2) 643 PSIG	Max. Indicated Test Pressure (5) 695 PSIG
Actual Duration of Test 8hrs. 20min	Min. Elevation in Test Section -15 FT	Min. Test Pressure at Max. Elevation (3) 642 PSIG	Max. Test Pressure at Min. Elevation (6) 707 PSIG

Test Fluid Used: **WATER** Pipe Specification and Footage Verified (See Part I): **A A TRESPANDO**

Make, Range, and Serial No. of Pressure Recording Gauge CLP-1703 0-1000 psi	Date Last Calibrated 5-2-11	Make, Range, and Serial No. of Dead Weight Tester (See Note 7) AMETEK 0-3000 psi 6301	Date Last Calibrated 6-7-11
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Test Supervised By: *[Signature]* Date: **7-9-11** Approved By: *[Signature]* Date: **7-14-11**

PUT SCHEMATIC PIPING SKETCH ON BACK OF THIS SHEET
 SHOW LOCATION OF FACILITY TESTED, MINIMUM AND MAXIMUM 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 SECTIONS OF PIPE, ALSO SHOW A DETAILED SKETCH OF EACH ASSEMBLY TESTED.

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| <p>NOTES:</p> <ol style="list-style-type: none"> Add the static head due to elevation difference (between test point and maximum elevation) to "minimum test pressure at maximum elevation" from PART I. Use lowest pressure on test gauge at any time during test. Subtract static head due to elevation difference (between test point and maximum elevation) from minimum indicated test pressure. Subtract static head due to elevation difference (between test point and minimum elevation) from "maximum test pressure at minimum elevation" from PART I. Highest pressure on test gauge at any time during test. Add static head due to elevation difference (between test point and minimum elevation) to maximum indicated test pressure. A dead weight tester is only required when testing to a pressure which produces a stress level of 90% of SMYS or greater. However, if a dead weight tester is used on any test, enter the information in the space provided above. | <p>DISTRIBUTION</p> <p>JOB FILE (AT SPONSORING ORGANIZATION)</p> <p>GSM&TS RESPONSIBLE DISTRICT SUPERINTENDENT</p> <p>PROJECT MANAGER/PROJECT ENGINEER</p> <p>TECHNICAL & CONSTRUCTION SERVICES - ASSIGNED JOBS ONLY</p> <p>CAPITAL ACCOUNTING (FOREMAN'S COPY OF JOB)</p> <p>RECORDS SECTION (WC), GSM&TS</p> <p>REPORT FAILURES UNDER TEST TO GAS ENGINEERING & PLANNING</p> |
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MOR = MATERIAL OF RECORD

FINAL



Pacific Gas and Electric Company
Gas Pipeline Facilities Strength Test Pressure Report
 (For Pipeline Facilities Designed to Operate over 100 PSIG)

62-4921 (Rev. 2/04)
 California Gas Transmission
 (Use in Accordance with Gas Standard A-34 and GO 112-D)

Sheet 2 of 4

PART I - DESIGN DATA (TO BE PREPARED BY PROJECT ENGINEER)

Feeder Main Number, Line Number, or Station Name L-153	Area 2	Division/District Mission	Job Number 41497362	Date Job Authorized 6/27/2011
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Description of Job -- Include Reference Drawing Numbers, and Pipeline Mileposts
 Hydrostatically test 30" tie-in piping, hydrostatic test piping, and existing 30" L-153
 Existing 30" materials listed are from the Material of Record" (refer to DRWG 41497362 Sheet 7) (Design Change #4)
 Hydrotest L-153 from MP 13.62 - 17.62 San Lorenzo, CA (Test section 46)

Location Class 3	Design Factor (F) .5	MAOP to be Established for this Piping by this Test 420 PSIG	Future Design Pressure 420 PSIG
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STATIC HEAD DUE TO ELEVATION DIFFERENCE (WHERE APPLICABLE)	Max. Elevation 15 Ft.	Static Head Calculation For Water 0.433 X Elev. Diff. = 13" PSIG Other (Specify) X Elev. Diff. = PSIG
	Min. Elevation -15 Ft.	
	Elev. Diff. 30 Ft.	

Pipe Specification			Footage to Be Tested	Pipe Spec. and Footage Verified In Field	% of SMYS			Pressure to Give 90% SMYS
O.D.	W.T.	API or ASTM Grade Long Seam (ERW, DSAW, Seamless, Etc.)			At MAOP	At Min. Test Press.	At Max. Test Press.	
4.500	.156	Gr. B, SMLS (item #18)	3'	MOR	17.31	25.96	36.06	2184
2.375	.154	Gr. B, SMLS (items #19 & 20)	3'	MOR	9.25	13.88	19.28	4085
30.00	.375	Bend, Elbow, Y-52 (item #1)	8 ea.	MOR	32.31	48.46	67.31	1170
30.00	.375	Bend, Elbow, Gr. B (item #2)	4 ea.	MOR	48.00	72.00	100.00	788
-	-	Item Removed (item #3)	-	MOR	-	-	-	-
30.00	.375	Bend, Elbow, Grade Unknown (item #4)	15 ea.	MOR	-	-	-	-
30.00	0.375	Bend, Forged Elbow, Y-60 (item #120)	4 ea.	A	28.00	42.00	58.33	1350

Minimum Test Pressure @ Max. Elevation 630 PSIG	Test Fluid To Be Used WATER	MINIMUM TEST DURATION - UNDER 30% SMYS (1 HR. MINIMUM) - 30% SMYS & OVER (8 HRS. MINIMUM) - PREINSTALLATION TEST (SEE ATTACHMENT 'A', GAS STD. A-34)	8 HOURS
Maximum Test Pressure @ Min. Elevation 875 PSIG			

Prepared By: **Colin Silla** Date: **06/27/11** For Information or Changes, Call: **Scott Clapp (530) 514-6482** Approved By: **[Signature]** Date: **6/29/11**

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 Test Pressure Reached 8:25 P 7-8-11	Elevation at Test Point 12 FT	Min. Required Test Press. At Test Point (1) 631 PSIG	Max. Allowable Test Press at Test Point (4) 863 PSIG
Time and Date Test Ended 4:45 A 7-9-11	Max. Elevation in Test Section 15 FT	Min. Indicated Test Pressure (2) 643 PSIG	Max. Indicated Test Pressure (5) 695 PSIG
Actual Duration of Test 8 hrs. 20 min	Min. Elevation in Test Section -15 FT	Min. Test Pressure at Max. Elevation (3) 642 PSIG	Max. Test Pressure at Min. Elevation (6) 707 PSIG

Test Fluid Used: **WATER** Pipe Specification and Footage Verified (See Part I): **A A. TRESPANDO**

Make, Range, and Serial No. of Pressure Recording Gauge CLP-1703 0-1000 PSE	Date Last Calibrated 5-2-11	Make, Range, and Serial No. of Dead Weight Tester (See Note 7) AMTEK 0-3000 6301	Date Last Calibrated 6-7-11
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Test Supervised By: **[Signature] CCI** Date: **7-9-11** Approved By: **[Signature] CCI** Date: **7-14-11**

PUT SCHEMATIC PIPING SKETCH ON BACK OF THIS SHEET
 SHOW LOCATION OF FACILITY TESTED, MINIMUM AND MAXIMUM 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 SECTIONS OF PIPE, ALSO SHOW A DETAILED SKETCH OF EACH ASSEMBLY TESTED.

NOTES: (1) Add the static head due to elevation difference (between test point and maximum elevation) to "minimum test pressure at maximum elevation" from PART I. (2) Use lowest pressure on test gauge at any time during test. (3) Subtract static head due to elevation difference (between test point and maximum elevation) from minimum indicated test pressure. (4) Subtract static head due to elevation difference (between test point and minimum elevation) from "maximum test pressure at minimum elevation" from PART I. (5) Highest pressure on test gauge at any time during test. (6) Add static head due to elevation difference (between test point and minimum elevation) to maximum indicated test pressure. (7) A dead weight tester is only required when testing to a pressure which produces a stress level of 90% of SMYS or greater. However, if a dead weight tester is used on any test, enter the information in the space provided above.	DISTRIBUTION JOB FILE (AT SPONSORING ORGANIZATION) GMS&TS RESPONSIBLE DISTRICT SUPERINTENDENT PROJECT MANAGER/PROJECT ENGINEER TECHNICAL & CONSTRUCTION SERVICES - ASSIGNED JOBS ONLY CAPITAL ACCOUNTING (FOREMAN'S COPY OF JOB) RECORDS SECTION (WC), GMS&TS REPORT FAILURES UNDER TEST TO GAS ENGINEERING & PLANNING
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MOR = MATERIAL OF RECORD

FINAL



PART I - DESIGN DATA (TO BE PREPARED BY PROJECT ENGINEER)

Feeder Main Number, Line Number, or Station Name L-153		Area 2	Division/District Mission	Job Number 41497362	Date Job Authorized 6/27/2011			
Description of Job -- Include Reference Drawing Numbers, and Pipeline Mileposts Hydrostatically test 30" tie-in piping, hydrostatic test piping, and existing 30" L-153 Existing 30" materials listed are from the Material of Record" (refer to DRWG 41497362 Sheet 7) (Design Change #4) Hydrotest L-153 from MP 13.62-17.62 San Lorenzo, CA (Test section 46)								
Location Class 3	Design Factor (F) .5	MAOP to be Established for this Piping by this Test 420 PSIG		Future Design Pressure 420 PSIG				
STATIC HEAD DUE TO ELEVATION DIFFERENCE (WHERE APPLICABLE)		Max. Elevation 15 Ft.	Static Head Calculation		For Water 0.433 X Elev. Diff. = 13 PSIG			
		Min. Elevation -15 Ft.	For Water		X Elev. Diff. = PSIG			
		Elev. Diff. 30 Ft.	Other (Specify)		X Elev. Diff. = PSIG			
Pipe Specification		API or ASTM Grade Long Seam (ERW, DSAW, Seamless, Etc.)	Footage to Be Tested	Pipe Spec. and Footage Verified in Field	% of SMYS			Pressure to Give 90% SMYS
Size O.D. W.T.					At MAOP	At Min. Test Press.	At Max. Test Press.	
-	-	Item Removed (item #13)	-	MOR	-	-	-	-
30.00	.500	Sleeve, ASTM A-242, 50000psi (item #14)	4 ea.	MOR	25.20	37.80	52.50	1500
30.00	.500	Sleeve, Grade Unknown (item #15)	4 ea.	MOR	-	-	-	-
30.00	Unk	Sleeve, Grade Y-52 (item #16)	2 ea.	MOR	-	-	-	-
30.00	Unk	Sleeve, Grade Unknown (item #17)	2 ea.	MOR	-	-	-	-
Minimum Test Pressure @ Max. Elevation		630 PSIG		Test Fluid To Be Used WATER	MINIMUM TEST DURATION - UNDER 30% SMYS (1 HR. MINIMUM) - 30% SMYS & OVER (8 HRS. MINIMUM) - PREINSTALLATION TEST (SEE ATTACHMENT 'A', GAS STD. A-34)			8 HOURS
Maximum Test Pressure @ Min. Elevation		875 PSIG						
Prepared By: Colin Silla		Date: 06/27/11	For Information or Changes, Call: Scott Clapp (530) 514-6482		Approved By: [Signature]		Date: 6/29/11	

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 Test Pressure Reached 8:25 P 7-8-11	Elevation at Test Point 12 FT	Min. Required Test Press. At Test Point (1) 631 PSIG	Max. Allowable Test Press at Test Point (4) 863 PSIG
Time and Date Test Ended 4:45 A 7-9-11	Max. Elevation in Test Section 15 FT	Min. Indicated Test Pressure (2) 643 PSIG	Max. Indicated Test Pressure (5) 695 PSIG
Actual Duration of Test 8 hrs. 20 m	Min. Elevation in Test Section -15 FT	Min. Test Pressure at Max. Elevation (3) 642 PSIG	Max. Test Pressure at Min. Elevation (6) 707 PSIG
Test Fluid Used Water		Pipe Specification and Footage Verified (See Part I)	
Make, Range, and Serial No. of Pressure Recording Gauge CLP-1103 0-1550 PSI	Date Last Calibrated 5-2-11	Make, Range, and Serial No. of Dead Weight Tester (See Note 7) AMSTER 0-3000 PSI, 6301	Date Last Calibrated 6-7-11
Test Supervised By: [Signature] CCI		Approved By: [Signature] CLH	

PUT SCHEMATIC PIPING SKETCH ON BACK OF THIS SHEET
 SHOW LOCATION OF FACILITY TESTED, MINIMUM AND MAXIMUM 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 SECTIONS OF PIPE, ALSO SHOW A DETAILED SKETCH OF EACH ASSEMBLY TESTED.

- NOTES:**
- Add the static head due to elevation difference (between test point and maximum elevation) to "minimum test pressure at maximum elevation" from PART I.
 - Use lowest pressure on test gauge at any time during test.
 - Subtract static head due to elevation difference (between test point and maximum elevation) from minimum indicated test pressure.
 - Subtract static head due to elevation difference (between test point and minimum elevation) from "maximum test pressure at minimum elevation" from PART I.
 - Highest pressure on test gauge at any time during test.
 - Add static head due to elevation difference (between test point and minimum elevation) to maximum indicated test pressure.
 - A dead weight tester is only required when testing to a pressure which produces a stress level of 90% of SMYS or greater. However, if a dead weight tester is used on any test, enter the information in the space provided above.
- DISTRIBUTION**
 JOB FILE (AT SPONSORING ORGANIZATION)
 GSM&TS RESPONSIBLE DISTRICT SUPERINTENDENT
 PROJECT MANAGER/PROJECT ENGINEER
 TECHNICAL & CONSTRUCTION SERVICES - ASSIGNED JOBS ONLY
 CAPITAL ACCOUNTING (FOREMAN'S COPY OF JOB)
 RECORDS SECTION (WC), GSM&TS
 REPORT FAILURES UNDER TEST TO GAS ENGINEERING & PLANNING

MOR = MATERIAL OF RECORD

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Pacific Gas and Electric Company
Gas Pipeline Facilities Strength Test Pressure Report
 (For Pipeline Facilities Designed to Operate over 100 PSIG)

62-4921 (Rev. 2/04)
 California Gas Transmission
 (Use in Accordance with Gas Standard A-34 and GO 112-D)

Sheet **4** of **4**

PART I - DESIGN DATA (TO BE PREPARED BY PROJECT ENGINEER)

Feeder Main Number, Line Number, or Station Name L-153	Area 2	Division/District Mission	Job Number 41497362	Date Job Authorized
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Description of Job -- Include Reference Drawing Numbers, and Pipeline Mileposts
 Tie-in Piping Section (refer to detail 4, 11, 12, 13, 15 on drawings)

Hydrotest L-153 from MP 13.62 - 17.62 San Lorenzo, CA (Test section 46)

Location Class 3	Design Factor (F) .5	MAOP to be Established for this Piping by this Test 420 PSIG	Future Design Pressure 420 PSIG
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STATIC HEAD DUE TO ELEVATION DIFFERENCE (WHERE APPLICABLE)	Max. Elevation _____ Ft.	Static Head Calculation	
	Min. Elevation _____ Ft.	For Water	0.433 X Elev. Diff. = _____ PSIG
	Elev. Diff. _____ Ft.	Other (Specify) _____	X Elev. Diff. = _____ PSIG

Pipe Specification		Footage to Be Tested	Pipe Spec. and Footage Verified In Field	% of SMYS			Pressure to Give 90% SMYS
Size O.D.	W.T.			API or ASTM Grade Long Seam (ERW, DSAW, Seamless, Etc.)	At MAOP	At Min. Test Press.	
30.00	.375	8'	STPR 1 of 4 WEA	25.85	38.77	53.85	1463
20.00	.375	8'	11' WEA	18.67	28.00	38.89	2025
4.500	.237	20'	20' WEA	11.39	17.09	23.73	3318
2.375	.154	10'	WEA	9.25	13.88	19.28	4085
20.00	.375	1 ea.	WEA	18.67	28.00	38.89	2025

Minimum Test Pressure @ Max. Elevation	630 PSIG	Test Fluid To Be Used WATER	MINIMUM TEST DURATION - UNDER 30% SMYS (1 HR. MINIMUM) - 30% SMYS & OVER (8 HRS. MINIMUM) - PREINSTALLATION TEST (SEE ATTACHMENT 'A', GAS STD. A-34)	1 HOURS
Maximum Test Pressure @ Min. Elevation	875 PSIG			

Prepared By: Colin Silla <i>Colin Silla</i>	Date: 06/15/11	For Information or Changes, Call: Mark Cabral (925) 588-3640	Approved By: Mark Cabral <i>Mark Cabral</i>	Date: 6-15-11
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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 Test Pressure Reached 8:25 P 7-8-11	Elevation at Test Point 12 FT	Min. Required Test Press. At Test Point (1) 631 PSIG	Max. Allowable Test Press at Test Point (4) 863 PSIG
Time and Date Test Ended 4:45 A 7-9-11	Max. Elevation in Test Section 15 FT	Min. Indicated Test Pressure (2) 643 PSIG	Max. Indicated Test Pressure (5) 695 PSIG
Actual Duration of Test 8 hrs, 20M	Min. Elevation in Test Section -15 FT	Min. Test Pressure at Max. Elevation (3) 642 PSIG	Max. Test Pressure at Min. Elevation (6) 707 PSIG

Test Fluid Used **WATER** Pipe Specification and Footage Verified (See Part I)

Make, Range, and Serial No. of Pressure Recording Gauge CLP 1703 P-1000 PSI	Date Last Calibrated 3-2-11	Make, Range, and Serial No. of Dead Weight Tester (See Note 7) ANULETER, P-3000 PSI, 6301	Date Last Calibrated 6-7-11
Test Supervised By <i>[Signature]</i> CCI	Date: 7-9-11	Approved By: <i>[Signature]</i> CLK7	Date: 7-14-11

PUT SCHEMATIC PIPING SKETCH ON BACK OF THIS SHEET
 SHOW LOCATION OF FACILITY TESTED, MINIMUM AND MAXIMUM 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 SECTIONS OF PIPE, ALSO SHOW A DETAILED SKETCH OF EACH ASSEMBLY TESTED.

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| <p>NOTES:</p> <ol style="list-style-type: none"> Add the static head due to elevation difference (between test point and maximum elevation) to "minimum test pressure at maximum elevation" from PART I. Use lowest pressure on test gauge at any time during test. Subtract static head due to elevation difference (between test point and maximum elevation) from minimum indicated test pressure. Subtract static head due to elevation difference (between test point and minimum elevation) from "maximum test pressure at minimum elevation" from PART I. Highest pressure on test gauge at any time during test. Add static head due to elevation difference (between test point and minimum elevation) to maximum indicated test pressure. A dead weight tester is only required when testing to a pressure which produces a stress level of 90% of SMYS or greater. However, if a dead weight tester is used on any test, enter the information in the space provided above. | <p>DISTRIBUTION</p> <ul style="list-style-type: none"> JOB FILE (AT SPONSORING ORGANIZATION) GSM&TS RESPONSIBLE DISTRICT SUPERINTENDENT PROJECT MANAGER/PROJECT ENGINEER TECHNICAL & CONSTRUCTION SERVICES - ASSIGNED JOBS ONLY CAPITAL ACCOUNTING (FOREMAN'S COPY OF JOB) RECORDS SECTION (WC), GSM&TS REPORT FAILURES UNDER TEST TO GAS ENGINEERING & PLANNING |
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