



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 112.0)

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

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

Feeder Main Number, Line Number, or Station Name: <b>L-132</b>	Area: <b>1</b>	Division/District: <b>Peninsula</b>	Job Number: <b>41497357</b>	Date Job Authorized: <b>9-1-11</b>
Description of Job -- Include Reference Drawing Numbers, and Pipeline Mileposts <b>Test 2 - Hydrostatically test 36" lie-in piping and existing 30" and 36" L-132. Existing pipeline material listed; elbows sleeves, etc. are the "Material of Record" (refer to Dwg. 41497357 Sheet 7)</b>				
Hydrotest L-132 from MP Redacted Milbrae, CA (Test sections 35)				
Location Class: <b>3</b>	Design Factor (F): <b>.5</b>	MAOP to be Established for this Piping by this Test: <b>400 PSIG</b>	Future Design Pressure: <b>400 PSIG</b>	

STATIC HEAD DUE TO ELEVATION DIFFERENCE (WHERE APPLICABLE)	Max. Elevation:	<b>597</b> Ft.	Static Head Calculation	For Water	0.433 X Elev. Diff. = <b>63</b> PSIG
	Min. Elevation:	<b>452</b> Ft.			
	Elev. Diff.:	<b>145</b> Ft.			

Pipe Specification			Footage to Be Tested	Pipe Spec. and Contigs. 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.	
36.00	0.500	Pipe, API 5L X-65, DSAW (Item 100)	<b>30</b>	<b>42.5</b>	<b>22.15</b>	<b>33.23</b>	<b>40.15</b>	<b>1625</b>
36.00	0.3125	Pipe, API 5L X-52, DSAW (Item 1)	<b>16974</b>	<b>16,974.5</b>	<b>44.31</b>	<b>66.46</b>	<b>80.31</b>	<b>813</b>
30.00	0.375	Pipe, API 5L X-65, DSAW (Item 103)	<b>8</b>	<b>4.4</b>	<b>24.62</b>	<b>36.92</b>	<b>44.62</b>	<b>1463</b>
30.00	0.375	Pipe, API 5L X-52, DSAW (Item 2)	<b>3944</b>	<b>3929.5</b>	<b>30.77</b>	<b>46.15</b>	<b>55.77</b>	<b>1170</b>
30.00	0.375	Pipe, API 5L X-42, DSAW (Item 3)	<b>137</b>	<b>M.O.R.</b>	<b>38.10</b>	<b>57.14</b>	<b>69.05</b>	<b>945</b>
36.00	0.500	Elbow, Y-65, 90-deg. LR (Item 117)	<b>2 ea.</b>	<b>M.O.R.</b>	<b>22.15</b>	<b>33.23</b>	<b>40.15</b>	<b>1625</b>
30.00	0.375	Elbow, Y-60, 90-deg. LR (Item 120)	<b>2 ea.</b>	<b>M.O.R.</b>	<b>26.67</b>	<b>40.00</b>	<b>48.33</b>	<b>1350</b>
36.00	0.375	Elbow, Y-52, LR (Item 4)	<b>36 ea.</b>	<b>M.O.R.</b>	<b>36.92</b>	<b>55.38</b>	<b>66.92</b>	<b>975</b>

Minimum Test Pressure @ Max. Elevation:	<b>600 PSIG</b>	Test Fluid To Be Used:	<b>WATER</b>	MINIMUM TEST DURATION:	<b>8 HOURS</b>
Maximum Test Pressure @ Min. Elevation:	<b>725 PSIG</b>	- UNDER 30% SMYS (1 HR. MINIMUM) - 30% SMYS & OVER (8 HRS. MINIMUM) - PREINSTALLATION TEST (SEE ATTACHMENT 'A', GAS STD. A-34)			

Prepared By: <b>Redacted</b>	Date: <b>9-1-11</b>	For Information or Changes, Call: <b>Redacted</b>	Date: <b>9/2/11</b>
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**PART II - TEST DATA (TO BE PREPARED BY PERSON SUPERVISING TEST AT TIME OF TEST)**

Time and Date Test Pressure Reached:	<b>1:00 P.M. 10/30/11</b>	Elevation at Test Point:	<b>467</b> FT	Min. Required Test Press. At Test Point (1):	<b>656.33</b> PSIG	Max. Allowable Test Press at Test Point (4):	<b>718.50</b> PSIG
Time and Date Test Ended:	<b>9:15 P.M. 10/30/11</b>	Max. Elevation in Test Section:	<b>597</b> FT	Min. Indicated Test Pressure (2):	<b>609.00</b> PSIG	Max. Indicated Test Pressure (5):	<b>716.00</b> PSIG
Actual Duration of Test:	<b>8 hours 15 minutes</b>	Min. Elevation in Test Section:	<b>452</b> FT	Min. Test Pressure at Max. Elevation (3):	<b>612.67</b> PSIG	Max. Test Pressure at Min. Elevation (6):	<b>792.50</b> PSIG

Test Fluid Used:	<b>Water</b>	Pipe Specification and Footage Verified (See Part I):	<b>2 RB A601 &amp; A650</b>
Make, Range, and Serial No. of Pressure Recording Gauge:	<b>Barton 0-1000 202-3829</b>	Date Last Calibrated:	<b>10/25/2011</b>
Test Supervised By:	<b>Redacted</b>	Make, Range, and Serial No. of Dead Weight Tester (See Note 7):	<b>AMETER 3000 AC-18</b>
		Date Last Calibrated:	<b>10/10/2011</b>
		Date:	<b>10/30/2011</b>
		Approved:	<b>Redacted</b>
		Date:	<b>11-9-11</b>

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 DETAIL FD 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 JOB ONLY

CAPITAL ACCOUNTING (FOR REMOVAL COPY OF JOB)

RECORDS SECTION (WC, GSM&TS)

REPORT FAILURES UNDER TEST TO GAS ENGINEERING & PLANNING

**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 <b>L-132</b>	Area <b>1</b>	Division/District <b>Peninsula</b>	Job Number <b>41497357</b>	Date Job Authorized <b>9-1-11</b>
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Description of Job -- Include Reference Drawing Numbers, and Pipeline Mileposts  
**Test 2 -- Hydrostatically test 36" tie-in piping and existing 30" and 36" L-132. Existing pipeline material listed; elbows sleeves, etc. are the "Material of Record" (refer to Dwg. 41497357 Sheet 7)**

Hydrotest L-132 from [Redacted] Milbrae, CA (Test sections 35)

Location Class <b>3</b>	Design Factor (F) <b>.5</b>	MAOP to be Established for this Piping by this Test <b>400 PSIG</b>	Future Design Pressure <b>400 PSIG</b>
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STATIC HEAD DUE TO ELEVATION DIFFERENCE (WHERE APPLICABLE)	Max. Elevation <b>597 Ft.</b>	Static Head Calculation	63 PSIG
	Min. Elevation <b>452 Ft.</b>	For Water	0.433 X Elev. Diff. =
	Elev. Diff. <b>145 Ft.</b>	Other (Specify)	X Elev. Diff. =

Size		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
O.D.	W.T.				At MAOP	At Min. Test Press.	At Max. Test Press.	
30.00	0.375	Elbow, Y-52, SR (Item 5)	4 ea.	M.O.R.	30.77	46.15	55.77	1170
36 x 30	0.375	Reducer, Y-65, Concentric Venturi (Item 131)	1 ea.	M.O.R.	29.54	44.31	53.54	1219
36 x 30	0.375	Reducer, Y-52, Concentric Standard (Item 6)	1 ea.	M.O.R.	36.92	55.38	66.92	975
36.00	0.375	Sleeve, 52000 SMYS (Item 7)	3 ea.	M.O.R.	36.92	55.38	66.92	975
30.00	0.375	Sleeve, 52000 SMYS (Item 8)	1 ea.	M.O.R.	30.77	46.15	55.77	1170
3.50	0.300	Pipe, API 5L, GR B, SMLS (Item 10)	40	1.7 @	6.67	10.00	12.08	5400
4.50	0.337	Pipe, API 5L, GR B, SMLS (Item 11)	+	34.0 @	7.63	11.45	13.83	4718
4.5 x 3.5	-	REDUCER, GR B	1 EA.	M.O.R.	-	-	-	-

Minimum Test Pressure @ Max. Elevation <b>600 PSIG</b>	Test Fluid To Be Used <b>WATER</b>	MINIMUM TEST DURATION - UNDER 30% SMYS (1 HR. MINIMUM) - 30% SMYS & OVER (8 HRS. MINIMUM) - PREINSTALLATION TEST (SEE ATTACHMENT 'A', GAS STD. A-34)	<b>8 HOURS</b>
Maximum Test Pressure @ Min. Elevation <b>725 PSIG</b>			

Prepared By: **Mark Cabral** Date: **9-1-11** For Information or Changes, Call: **Redacted** Approved By: **Redacted** Date: **9/2/11**

**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 <b>1100 P.M. 10/30/11</b>	Elevation at Test Point <b>467 FT</b>	Min. Required Test Press. At Test Point (1) <b>656.33 PSIG</b>	Max. Allowable Test Press. at Test Point (4) <b>718.50 PSIG</b>
Time and Date Test Ended <b>9:15 P.M. 10/30/11</b>	Max. Elevation in Test Section <b>597 FT</b>	Min. Indicated Test Pressure (2) <b>669.00 PSIG</b>	Max. Indicated Test Pressure (5) <b>716.00 PSIG</b>
Actual Duration of Test <b>8 hours 15 minutes</b>	Min. Elevation in Test Section <b>452 FT</b>	Min. Test Pressure at Max. Elevation (3) <b>612.67 PSIG</b>	Max. Test Pressure at Min. Elevation (6) <b>723.50 PSIG</b>

Test Fluid Used: **Water** Pipe Specification and Footage Verified (See Part I): **816 B A 601**

Make, Range, and Serial No. of Pressure Recording Gauge: **Barton, 0-1000, 202-3829** Date Last Calibrated: **10/25/2011**  
 Make, Range, and Serial No. of Dead Weight Tester (See Note 7): **AMETEK, 3,000, AC-1B** Date Last Calibrated: **10/10/2011**

Test Supervised By: **Redacted** Date: **10/30/2011** Approved: **Redacted** Date: **11-9-11**

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:**
- 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)  
 GSI&TS RESPONSIBLE DISTRICT SUPERINTENDENT  
 PROJECT MANAGER/PROJECT ENGINEER  
 TECHNICAL & CONSTRUCTION SERVICES - ASSIGNED JOBS ONLY  
 CAPITAL ACCOUNTING (FOR PLANS COPY OF JOB)  
 RECORDS SECTION (WC) GSI&TS  
 REPORT FAILURES UNDER TEST TO GAS ENGINEERING & PLANNING



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-31 and GO 112-D)

Sheet **3** of **4**

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

Feeder Main Number, Line Number, or Station Name <b>L-132</b>	Area <b>1</b>	Division/District <b>Peninsula</b>	Job Number <b>41497357</b>	Date Job Authorized <b>9-1-11</b>
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Description of Job - Include Reference Drawing Numbers, and Pipeline Mileposts  
**Test 2 - Hydrostatically test 36" lie-in piping and existing 30" and 36" L-132. Existing pipeline material listed; elbows sleeves, etc. are the "Material of Record" (refer to Dwg. 41497357 Sheet 7)**

Hydrotest L-132 from MP **Redacted** Milbrae, CA (Test sections 35)

Location Class <b>3</b>	Design Factor (F) <b>.5</b>	MAOP to be Established for this Piping by this Test <b>400 PSIG</b>	Future Design Pressure <b>400 PSIG</b>
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STATIC HEAD DUE TO ELEVATION DIFFERENCE (WHERE APPLICABLE)	Max. Elevation <b>597</b> Ft.	Static Head Calculation For Water: $0.433 \times \text{Elev. Diff.} =$ <b>63</b> PSIG Other (Specify): _____
	Min. Elevation <b>452</b> Ft.	
	Elev. Diff. <b>145</b> Ft.	

Pipe Specification		Footage to Be Tested	Pipe Spec. and Footage Verified In Field	% of SMYS			Pressure to Give 90% SMYS	
Size	API or ASTM Grade Long Seam (ERW, DSAW, Seamless, Etc.)			At MAOP	At Min. Test Press.	At Max. Test Press.		
36.00	0.500	Pipe, API 5L, X-65, DSAW (Item 12)	130	M.O.R.	22.15	33.23	40.15	1625
36.00	0.500	Elbow, Y-65, LR (Item 13)	2 ea.	M.O.R.	22.15	33.23	40.15	1625
16.00	0.375	Pipe, API 5L, GR B, SMLS, BRANCH (Item 14)	2	M.O.R.	24.38	36.57	44.19	1477
12.75	0.375	Pipe, API 5L, GR B, SMLS, BRANCH (Item 15)	4	M.O.R.	19.43	29.14	35.21	1853
36x36x16	0.500	Tee, Reducing, Y-65 (Item 14)	1 ea.	M.O.R.	22.15	33.23	40.15	1625
36x36x12	0.500	Tee, Reducing, Y-65 (Item 15)	2 ea.	M.O.R.	22.15	33.23	40.15	1625

Minimum Test Pressure @ Max. Elevation <b>600 PSIG</b>	Test Fluid To Be Used <b>WATER</b>	MINIMUM TEST DURATION - UNDER 30% SMYS (1 HR. MINIMUM) - 30% SMYS & OVER (8 HRS. MINIMUM) - PREINSTALLATION TEST (SEE ATTACHMENT 'A', GAS STD. A-34)	<b>8 HOURS</b>
Maximum Test Pressure @ Min. Elevation <b>725 PSIG</b>	Prepared By: <b>Mark Cabral</b> Date: <b>9-1-11</b>	Approved: <b>Redacted</b> Date: <b>9/12/11</b>	

**PART II - TEST DATA (TO BE PREPARED BY PERSON SUPERVISING TEST AT TIME OF TEST)**

Time and Date Test Pressure Reached <b>1:00 P.M. 10/30/11</b>	Elevation at Test Point <b>467</b> FT	Min. Required Test Press. At Test Point (1) <b>656.33</b> PSIG	Max. Allowable Test Press at Test Point (4) <b>718.50</b> PSIG
Time and Date Test Ended <b>9:15 P.M. 10/30/11</b>	Max. Elevation in Test Section <b>597</b> FT	Min. Indicated Test Pressure (2) <b>669.00</b> PSIG	Max. Indicated Test Pressure (5) <b>716.00</b> PSIG
Actual Duration of Test <b>8 hours 15 minutes</b>	Min. Elevation in Test Section <b>452</b> FT	Min. Test Pressure at Max. Elevation (3) <b>612.67</b> PSIG	Max. Test Pressure at Min. Elevation (6) <b>723.50</b> PSIG

Test Fluid Used <b>Water</b>	Make, Range, and Serial No. of Pressure Recording Gauge <b>Barton 0-1000 302-2829</b>	Date Last Calibrated <b>10/25/2011</b>	Make, Range, and Serial No. of Dead Weight Tester (See Note 7) <b>AMETEK, 3,000, AC-18</b>	Date Last Calibrated <b>10/10/2011</b>
Test Supervised By <b>Redacted</b>	Approved By <b>Redacted</b>	Date <b>11-9-11</b>		

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 (FOR MAN'S COPY OF JOB)
  - RECORDS SECTION (W/C, GSM&TS)
  - REPORT FAILURES UNDER TEST TO GAS ENGINEERING & PLANNING



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 G-112-D)

Sheet 4 of 4

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

Feeder Main Number, Line Number, or Station Name <b>L-132</b>	Area <b>1</b>	Division/District <b>Peninsula</b>	Job Number <b>41497357</b>	Date Job Authorized <b>9-1-11</b>
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Description of Job -- Include Reference Drawing Numbers, and Pipeline Mileposts  
**Test 2 - Hydrostatically test 36" tie-in piping and existing 30" and 36" L-132. Existing pipeline material listed; elbows sleeves, etc. are the "Material of Record" (refer to Dwg. 41497357 Sheet 7)**

Hydrotest L-132 from **Redacted** Milbrae, CA (Test sections 35)

Location Class <b>3</b>	Design Factor (F) <b>.5</b>	MAOP to be Established for this Piping by this Test <b>400 PSIG</b>	Future Design Pressure <b>400 PSIG</b>
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STATIC HEAD DUE TO ELEVATION DIFFERENCE (WHERE APPLICABLE)	Max. Elevation <b>597 Ft.</b>	Static Head Calculation For Water Other (Specify)	0.433 X Elev. Diff. = <b>63 PSIG</b>
	Min. Elevation <b>452 Ft.</b>		
	Elev. Diff. <b>145 Ft.</b>		

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.	
<b>36.00</b>	<b>0.500</b>	<b>Valve, Ball, ANSI 600, (Item 16)</b>		<b>1 ea.</b>	<b>M.O.R.</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>36.00</b>	<b>0.500</b>	<b>Elbow, Y-60, LR (Item 17)</b>		<b>1 ea.</b>	<b>M.O.R.</b>	<b>24.00</b>	<b>36.00</b>	<b>43.50</b>	<b>1500</b>

Minimum Test Pressure @ Max. Elevation <b>600 PSIG</b>	Test Fluid To Be Used <b>WATER</b>	MINIMUM TEST DURATION - UNDER 30% SMYS (1 HR. MINIMUM) - 30% SMYS & OVER (8 HRS. MINIMUM) - PREINSTALLATION TEST (SEE ATTACHMENT 'A', GAS STD. A-34)	<b>8 HOURS</b>
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Prepared By: <b>Mark Cabral</b>	Date: <b>9-1-11</b>	For Information or Changes, Call: <b>Redacted</b>	Approved: <b>Redacted</b>	Date: <b>9/12/11</b>
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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 <b>1:00 P.M. 10/30/11</b>	Elevation at Test Point <b>467 FT</b>	Min. Required Test Press. At Test Point (1) <b>656.33 PSIG</b>	Max. Allowable Test Press. at Test Point (4) <b>718.50 PSIG</b>
Time and Date Test Ended <b>9:15 P.M. 10/30/11</b>	Max. Elevation in Test Section <b>597 FT</b>	Min. Indicated Test Pressure (2) <b>669.00 PSIG</b>	Max. Indicated Test Pressure (5) <b>716.00 PSIG</b>
Actual Duration of Test <b>8 hours 15 minutes</b>	Min. Elevation in Test Section <b>452 FT</b>	Min. Test Pressure at Max. Elevation (3) <b>612.67 PSIG</b>	Max. Test Pressure at Min. Elevation (6) <b>712.50 PSIG</b>

Test Fluid Used: **Water** Pipe Specification and Footage Verified (See Part I): **DRB A601**

Make, Range, and Serial No. of Pressure Recording Gauge <b>Barton 0-1000 202-3829</b>	Date Last Calibrated <b>10/25/2011</b>	Make, Range, and Serial No. of Dead Weight Tester (See Note 7) <b>AMETEK 3000 AC-18</b>	Date Last Calibrated <b>10/19/2011</b>
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Test Supervisor <b>Redacted</b>	Date: <b>10/30/2011</b>	Approved By: <b>Redacted</b>	Date: <b>11-9-11</b>
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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)  
 GMS&TS RESPONSIBLE DISTRICT SUPERINTENDENT  
 PROJECT MANAGER/PROJECT ENGINEER  
 TECHNICAL & CONSTRUCTION SERVICES - ASSIGNED JOBS ONLY  
 CAPITAL ACCOUNTING DEPARTMENT COPY OF JOB  
 RECORDS SECTION COPY GMS&TS  
 REPORT FAILURES UNDER TEST TO GAS ENGINEERING & PLANNING

**FINAL**