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January 30, 2013

General Jack Hagan California Public Utilities Commission 505 Van Ness Avenue, Room 2205 San Francisco, CA 94102-3298

Re: Status Report on Laboratory Testing of Pipe Cut-Outs

Dear General Hagan:

PG&E is providing an updated status report on laboratory testing of pipe cut-outs from PG&E's natural gas pipeline system. This report reflects activity through December 31, 2012.

The Status Report on Laboratory Testing of Pipe Cut-Outs provides a list of each pipeline piece that has been removed either for cause or for hydrostatic testing and any completed laboratory tests. We will continue to provide you with an update to this report on a regular basis.

PG&E has completed laboratory testing for all cut-outs removed during hydrostatic testing performed in 2011. The list for 2011 hydrostatic testing cut-outs has been moved to a separate worksheet.

| If there are any questions regardi | ng this report, please contact me, or Redacted |
|------------------------------------|--|
| Redacted , Manager of Gas Opera | |
| | |
| Sincerely, | |
| Redacted | |
| | |
| | |
| Frances Yee | <u>.</u> |
| riances ree | , |

cc: Julie Halligan, CPUC Mike Roberston, CPUC

> Joe Medina, PG&E Shilpa Ramaiya, PG&E Sumeet Singh, PG&E Jane Yura, PG&E

Redacted

Pacific Gas and Electric Company Pipeline Cut Outs Testing Summary

(Activity through December 31, 2012)

| Cut Outs for Cause 2011/2012 | |
|------------------------------|----|
| Analysis Completed | 38 |
| Analysis In Progress | 23 |
| No Analysis Needed to | |
| Understand Root Cause | 42 |

Subtotal: Cut Outs for Cause _____103

| Cut Outs Hydrotesting 2011/201 | 2 |
|--|-----|
| Analysis Completed | 121 |
| Initial Analysis Completed, Additional Testing Pending | 14 |
| Awaiting Testing or Analysis | 39 |
| No Lab Testing to be Performed | 5 |
| Subtotal: Cut Outs for Hydrotesting | 179 |

282

Grand Total:

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| | Approx. | Date | | ATS or Other Test Report | | |
|-------------|---------|-----------|--|--|--|---|
| Line Number | MP | Removed | Reason for Removal | Removal Comments | # | Report Results |
| L-100 | 139.030 | 4/29/2011 | Perform mechanical testing on the SSAW seam weld | A mid-wall manufacturing anomaly was identified at this location during a validation dig following In-Line Inspection. A sample of pipe, including the mid-wall lamination, was cut-out to further analyze the seam weld. | Anamet #2500501493 | ipe properties confirmed. Seam weld was determined by ATS to be SSAW. |
| L-100 | 149.020 | 8/20/2011 | Remove weld anomalies in the long-seam and girth weld | This pipe was exposed as part of an In-Line Inspection dig to validate some minor external corrosion. | ATS WO # 07876-011 A | ATS radiographed both the SSAW long-seam and the girth weld which both contained porosity. A cut-out was performed to remove the weld anomalies. Portions of Line 100, including this section, are scheduled for hydrotesting in 2012. |
| 132 | 42.900 | 7/14/2011 | Weld Sample to be Tested | Removed sleeve used to repair a 2009 girth weld leak. Removal will allow destructive testing to determine the cause of the leak. Girth weld originally chosen by Pipeline Engineering for testing & use in a Fitness for Service evaluation. The CPUC requested involvement in the weld leak testing (entry above) and therefore the girth weld was removed from the Fitness for Service Study due to timing issues. | ATS #3413.61-12.34 ATS #413.61-11.179 | Radiographic report of girth welds at this location. Numerous spots were discovered to contain lack of fusion, elongated indications, burn through and slag. Draft report reviewed and comments resolved with Vendor. Expect report week of 6/11. Weld is safe and fit for service in its present condition. |
| 132 | 42.900 | 7/14/2011 | | A leak on a girth weld in a circa 1948 segment of Line 132 was previously detected and repaired using a full encirclement steel sleeve in 2010. The repaired section was recently removed from the pipeline and a failure analysis was performed on the leak. | Report No./DNV Reg. No.: ANEUS826BAMEND (20120410)-0 Rev. No.0, June 13, 2012 | The leak was found to be the result of workmanship flaws in the girth weld. No evidence of service related progression such as fatigue, stress corrosion, corrosion pitting, etc was found. The precise reason for the leak occurring so long after installation is unknown. The leak may have resulted from trapped slag in a weld-metal workmanship defect working its way out over time. Both pipes met the mechanical property requirements of the 1948 and the present API 5L requirements. Although in 1948 radiographic testing was not a code requirement, the girth weld failed current API Standard 1104 acceptance criteria for flaws detected by radiographic, magnetic particle, dye penetrant, and visual inspection. |
| 132 | 43.180 | 7/25/2011 | Girth Weld Sample to be Tested for Fitness for Service Study | Girth weld chosen by Pipeline Engineering for testing & use in a Fitness for Service evaluation. | ATS #413.61-11.179 | Weld is safe and fit for service in its present condition. |
| 132 | 43.180 | 7/25/2011 | Longitudinal Weld Repair | Factory Repaired Longitudinal weld repair removed for testing at sam location as above girth weld removal | e ATS #413.61-11.179 | Weld is safe and fit for service in its present condition. |
| 132 | 41.610 | 7/21/2011 | Girth Weld Sample to be Tested for Fitness for Service Study | Girth weld chosen by Pipeline Engineering for testing & use in a ATS #413.61-11.179 Weld | | Weld is safe and fit for service in its present condition. |
| 132 | 42.410 | 7/21/2011 | Girth Weld Sample to be Tested for Fitness for Service Study | Girth weld chosen by Pipeline Engineering for testing & use in a Fitness for Service evaluation. | | |
| 132 | 42.410 | 7/23/2011 | Girth Weld Sample to be Tested for Fitness for Service Study | Girth weld chosen by Pipeline Engineering for testing & use in a Fitness for Service evaluation. | | |
| 132 | 39.368 | 7/29/2011 | Offset removed @ request of Sunil Shori | Offset removed @ request of Sunil Shori | N/A | No testing performed - stored in Milpitas |

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| | Approx. | Date | | | ATS or Other Test Report | | | |
|-------------|---------|-----------|---|--|---|---|--|--|
| Line Number | MP | Removed | Reason for Removal | Removal Comments | # | Report Results | | |
| 132 | 39.311 | 8/5/2011 | 1956 pipe segment removed @ request of Sunil Shori | 1956 pipe segment removed @ request of Sunil Shori | e segment removed @ request of Sunil Shori GE Inspection Service Report #LAPI0005 | | | |
| 132 | 40.830 | 8/13/2011 | Seam Indication | Surface indication (dent) on the long-seam weld at L-132 MP 40.83. ATS was requested to also inspect the seam weld for weld quality purpose. | ATS #413.61-11.90 | Dent - No visible evidence of internal indications The weld quality of the respective long seam welds are acceptable to API Specification 5L. | | |
| 21E | 64.170 | 5/12/2011 | Perform Charpy V-Notch Testing on ERW long seam | Removed ERW seam samples for testing to support development of the updated Acceptance Criteria Position Paper. | Anamet #2500490196 F | ipe properties confirmed | | |
| 21E | 55.560 | 6/5/2011 | Evaluation of ERW Seam Leak in Line 21E. | The seam flaw had caused in a leak that was subsequently repaired in 1983 by installing a welded full encirclement steel sleeve. The objective of the analysis was to determine the cause of the leak and the characteristics of the pipe to support fatigue life evaluations for hypothetical seam flaws that might remain in the pipeline. | PP016880 DNV - A | n ERW seam leak in Line 21-E was the result of a short, very deep lack-of-fusion defect. The mechanical properties of the pipe material meet the requirements of the applicable API 5LX specification in effect at the time of manufacture. The toughness of the pipe material is sufficient to minimize the likelihood of long ruptures at the maximum allowable operating pressure (MAOP). | | |
| 177A | 153.370 | 7/13/2011 | Stuck pig in an elbow | Removed an elbow during pigging because a piece of wood caused the pig to become lodged. | | ipe properties confirmed | | |
| 177A | 140.950 | 7/20/2011 | Stuck pig in an elbow | Removed an elbow during pigging because a piece of steel debris caused the pig to become lodged. | | ipe properties confirmed | | |
| 177A | 98.380 | 8/3/2011 | Buckled elbow discovered by a caliper pig | Removed an elbow during pigging because it was creating an ID restriction which wouldn't allow the Geometry and MFL tools to pass through without damage. The removed elbow turned out to be buckled which was causing the ID restriction. | Anamet #2500528620 F | ipe properties confirmed. The buckled elbow was confirmed as well. | | |
| 300A | 130.360 | 6/25/2011 | Linear indication in seam | Excavation was performed since the as-built records show 34" seamless pipe. As a result of the seam characterization process, a linear inclusion was identified in the pipeline and approzimately 20' of pipe was replaced at this location and line returned to normal pressure operating conditions. | ATS #06.3.1-11.5 | The NDE Services Group of PG&E's Applied Technology Services (ATS) Division was requested to characterize the long-seam weld at two different locations of Line 300A and evaluate all exposed long seam welds. The results indicated that at both locations the weld seam is a double-submerged arc weld (DSAW). Weld quality evaluation of 4 short sections indicated that 3 of 4 had acceptable weld quality. One was unacceptable. | | |
| 153 | 12.990 | 6/24/2011 | Longitudinal indication | Portion of pipe crossing canal (~80 ft) cut-out after x-ray revealed a longitudinal indication. Sent to ATS for radiography testing. | ATS #06.3.1-11.4 | Weld seam is a double-submerged arc weld (DSAW). The weld quality of the seam weld is Unacceptable to current API Specification 5L and Unacceptable to the alternate criteria (reference Kiefner & Associates, Inc. Final Report No. 11-048, "Effect of Rounded Inclusions on the Integrity of Submerged-Arc Welded Seams"). | | |

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| | Approx. | Date | | | ATS or Other Test Report | |
|-------------|-------------------------|------------|--|--|---|--|
| Line Number | MP | Removed | Reason for Removal | Removal Comments | # | Report Results |
| 153 | 15333 Wicks Blvd. | 6/26/2011 | Corrosion | Visual inspection indicated corrosion on 4 inch tap valve. | N/A | No test performed |
| 153 | 14.839 | 7/12/2011 | Similar in age and construction to L153 MP 12.990 listed above | Portion of pipe crossing canal (~80 ft) cut-out because it was similar in age and construction to T-45 above. | N/A | No test performed |
| 132 | 42.190 | 6/2/2011 | Feature | Possible internal wall loss @2:30 position. | ATS #413.61-11. | 79 An anomoly was confirmed to be an internation deposit. No pitting, corrosion or wall loss was detected. |
| 132 | 43.540 | 6/7/2011 | Non-standard construction | Tie-in sleeve exhibiting non-standard construction features. | ATS #413.61 | 11.179 tureheafs confirmed as being a non- standard construction practice with the sleeve possessing two longitudinal weld seams. |
| 132 | 43.590 | 6/3/2011 | No apparent long-seam | Short pipe section, miter between Segment 189.3 and 189.6. | ATS #413.61-11.1 | Althoughrinde video inspection had originally indicated that this was a section of mitered pipe with no apparent long seam, visual examination after removal showed that it was a trimmed down fitting that was actual seamless. |
| 132 | 42.340 | 5/29/2011 | External Anomaly | Visual inspection by PLE and on-site USRB staff identified. | ATS #413.61-1 | .179 The axial enthpogth of the C-shaped indicated was approximately 1.5" long. The indication was determined to be a lap or lamination in the surface of the pipe created during the original manufacturing process |
| 132 | 39.368 | 9/16/2011 | Deactivation of Redact Dr, San Bruno Rupture Site | Cut-out of 4'-10.5" of 24" at Redacted San Bruno for deactivation/slurry fill of L132 at San Bruno Incident site | N/A | No test performed - stored in Gilroy |
| 132 | 38.930 | 9/15/2011 | Deactivation of Redact Dr, San Bruno Rupture Site | Cut-out of 3'375" of 24" at Dedacted, San Bruno for deactivation/slurry fill of L132 at San Bruno Incident site | N/A | No test performed - stored in Gilroy |
| 132 | 39.311 | 9/13/2011 | Deactivation of Dedact Dr, San Bruno Rupture Site | Cut-out of 25'-9.5" of 30" at Dedacted Bruno for deactivation of L132 at San Bruno Incident site | N/A | No test performed - stored in Gilroy |
| 132 | 39.311 | 9/13/2011 | Deactivation of Reda V Dr, San Bruno Rupture Site | Cut-out of 21'-0" of 30" at Redacted San Bruno for deactivation of L132 at San Bruno Incident site | N/A | No test performed - stored in Gilroy |
| 132 | 22.050 | 11/18/2011 | Hydrotest Failure | Cut-out approximately 58'-6" of 24" SMLS 0.3125"WT installed on Gf 85737 in 1947. | Pendng at Exponent. All PGE comments encorporated. CPUC has requested additional time to review. Their due date for comments is 12/7. | Pending |
| 132 | 35.450 | 10/7/2011 | Linear indication on elbow | 36" elbow removed from L-132 at MP 35.45 sent to San Ramon for ray & then to Exponent for failure analysis | K- Pending at Exponent | Pending |
| 132 | 41.830 | 11/1/2011 | Seismic/Liquefaction Risk | Cut-out 85' of existing 30" DSAW pipeline installed in 1948 due to liquefaction risks near Colma Creek in South San Francisco | N/A | No test performed - stored in Gilroy |
| 132 | 41.850 | 11/1/2011 | Seismic/Liquefaction Risk | Cut-out 14'-7" of existing 30" DSAW pipeline (and miter joint) installe in 1948 to accommodate insertion of 30" pipeline with 24"/16" in South San Francisco | d N/A | No test performed - stored in Gilroy |

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| | Approx. | Date | | | ATS or Other Test Report | | | |
|-------------|---------|----------------------|----------------------------------|--|---|--|--|--|
| Line Number | MP | Removed | Reason for Removal | Removal Comments | # | Report Results | | |
| 132 | 42.040 | 11/1/2011 | Seismic/Liquefaction Risk | Cut-out 126' of existing 30" DSAW installed in 1948 due to unplanned miter obstruction and allow sufficient room for inserting. | | No test performed - stored in Gilroy | | |
| 132 | 42.076 | 11/1/2011 | Seismic/Liquefaction Risk | 189.2' removed from a dog-leg in the existing pipe due to conflict with the 290.5' installation of new direct buried 30" pipe | n N/A | No test performed - stored in Gilroy | | |
| 132 | 42.136 | 11/1/2011 | Seismic/Liquefaction Risk | 316,5' removed due to conflict with new 30" direct burial | N/A | No test perfo erd érd Giltor y | | |
| 132 | 42.171 | 11/1/2011 | Seismic/Liquefaction Risk | 186.5' removed at south end and 10.2' removed at north end of | N/A | No test performed - stored in Gilroy | | |
| 132 | 42.175 | 11/1/2011 | Seismic/Liquefaction Risk | 18.9' removed to receive insert and make tie-in to existing Colma Creek crossing pipe. | N/A | No test performed - stored in Gilroy | | |
| 132 | 42.183 | 11/1/2011 | Seismic/Liquefaction Risk | 45' removed to insert 16" pipe for Mission Insert #1 | N/A | No test performed -Caitored in | | |
| 132 | 42.207 | 11/1/2011 | Seismic/Liquefaction Risk | 123.2' removed to cut out unplanned miter obstacles, build offset around sewer crossing, and for insertion work | N/A | No test performed - stored in Gilroy | | |
| 132 | 42.225 | 11/1/2011 | Seismic/Liquefaction Risk | 98.1' removed for insertion work | N/A | No test performed - stored in Gilroy | | |
| 132 | 42.250 | 11/1/2011 | Seismic/Liquefaction Risk | 134' removed to allow for insertion work and for strength testing and project tie-in | N/A | No test performed - stored in Gilroy | | |
| 109 | 52.710 | 11/15/2011 | Leak | Cut-out approximately 7'-9" of 24" DSAW .0.3125"WT installed on GM 1956721 in 1991. Under direction from Integrity Management ATS did testing to locate the leak then sent to Anamet Lab for failure analysis, which has been completed (leak is under a reinforcing pad). | rut-out approximately 7'-9" of 24" DSAW .0.3125"WT installed on GM 1956721 in 1991. Under direction from Integrity Management ATS did esting to locate the leak then sent to Anamet Lab for failure analysis, to appropriate PG&E | | | |
| 57A | 15.500 | 11/13/2011 | Dent | Removed two dents, one 10% deep and one 12% deep, that were identified by a geometry pig. | N/A | No test ordered. | | |
| 131 | 42.380 | 12/17/2011 | Dent | Removed a piece of pipe from a casing which contained a dent with metal loss. | N/A | No test ordered. | | |
| 300B | 284.000 | 10/24/2011 | Seam Hydro Rupture | Bakersfield Hydrotest rupture (34" dia). Failure investigation concluded that Hydro rupture was due to pre-existing weld metal cracking and the presence of weld lack of penetration - both of which were manufacturing anomalies created during the pipe fabrication. | Kiefner Report #12-020 Exponent Report #1108060.000 A0T0 0312 RE13 | Pre-existing seam weld defects. | | |
| 301A | 3.000 | 3/10/2012 | Seam Leak F | ollister SSAW Seam Leak for Failure investigation. Sent to ATS to find exact location of leak. Gas Dept then sent the pipe to Anamet Lab for further testing. | accepted by PG&E. | Pin-hole leak in SSAW longitudinal seam weld. The leak was caused by solidification problems in the seam weld metal during manufacture of the pipe. No evidence of service related progression such as fatigue, stress corrosion, pitting corrosion, or hydrogen embrittlement/cracking was found. | | |
| 151 | 8.400 | 4/7/2011 | Seam Leak | ailure investigation by Anamet Lab began in April 2012. | Anamet Lab Report 5 7353 and routed to appropriate PG&E personnel. | ®A k in Spiral Seam weld due to large preexisting spiral seam weld defects AND internal corrosion. | | |
| 0210-01 | 0.200 | Approx 10/31/2011 | Linear indications in pipe body. | Found during T-122C bell hole inspection. Failure investigation by Anamet Lab completed and draft report is under review. | Anamet Lab Work In Progress | Pending | | |
| 124A | 21.320 | 11/30/2011 | Long Seam Indication | Rejectable radiographic indications in the SSAW Seam weld. Failure investigation not started yet. | Analysis to begin in June 2012 at Anamet Lab | Pending | | |
| L-153 | 25.827 | 10/1/2010 | Pinhole Seam Leak | Pinhole Leak in SSAW seam weld. Failure investigation completed. Cause was weld metal solidification anomaly during pipe fabrication. No evidence of service related progression (fatigue, corrosion, SCC, etc) found. | Testing in process at Anament | Xray confirmed pin hole leak. | | |

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| | Approx. | Date | | | ATS or Other Test Report | | | |
|-------------|---------|-------------------|--|--|--|--|--|--|
| Line Number | MP | Removed | Reason for Removal | Removal Comments | # | Report Results | | |
| 300A | 256.210 | 9/1/2011 | Welding Flaws in Long Seam | Review long seam weld quality for possible defects. | ATS #006.3.1-11 | 20 A section of L-300A at PLS4 had some visit porosity in the long seam. We engaged ATS to perform NDT and the findings were that there are some manufacturing flaws that are not acceptable by PG&E. The test were done while the line was in-service(NDT). Based on the information it was decided to cut out the section. | | |
| 118 | 62.285 | 12/16/2011 | Construction Defect | MAOP validation team identified PCF's listed as ANSI 150. Based on operating pressure ANSI 300 or greater is required. | N/A | Upon inspection, it was determined that 2 fittings were not manufactured fittings and therefore were replaced. No testing was necessary. | | |
| 220 | 24.160 | 11/8/2010 | External Corrosion | Examined Pipe and field site. Cross sectioned to examine leak. Confirmed to be external corrosion of a repair that also appeared to have been ext corr. | No failure report. MEARS did CIS Report #9101117301 | Contracted MEARS to perform an on/off survey. Looking for additional corroded pipe. | | |
| 124B | 7.830 | 10/28/2010 | External Corrosion | Examined Pipe and Leak site in field - Confirmed to be corrosion. | No failure re MEARS did CIS Report #9101117301 | compute the MEARS to perform an on/off survey. Looking for additional corroded pipe. | | |
| 50A | 15.150 | 9/30/2010 | Construction Defect | 100% Complete. Pipe visually examined and cross-sectioned in ATS Lab. Construction defect/porosity in the weld. No signs of corrosion. | No report generated. | Construction defects - porosity & slag in saddle (fillet) weld. | | |
| 300B | 76.300 | 12/15/2011 | Weld Failure | Fizzer in weld toe at elbow weld. Ground out approx 1/8 inch and weld repaired. Cut out Repaired Weld. ATS did radiographic testing, then cut-out was sent to Anamet for root cause testing. | t Repaired Weld. ATS did radiographic testing, then radiography report. | | | |
| 153 | 25.830 | 10/21/2010 | Construction Defect | Cause is known to be Construction Defect (porosity/voids) in Long seam weld metal. Review of final Anamet Report 5004.5239 complete, but final wording will not effect cause or source of leak. | Anamet #5004.5239 | Construction defect - small pinhole leak in SSAW long seam weld metal. | | |
| 114 | 12.580 | 9/10/2011 | Linear indication in seam of fitting | Removed mitered angle piece with defects in seam weld. | N/A | No test performed | | |
| 114 | 10.510 | 12/14/2011 | Crack on Elbow | Removed elbow with defect and adjacent pipe with corrosion. | N/A | No test performed | | |
| 1502-11 | 6.350 | 10/12/2010 | Leak at girth weld | Found due to ALS performed in last qtr 2010 (LK# 10-81004-1). On 10/12/10 installed (2) 4" PCF s with a temp by-pass and installed 1ft of 4" pre-tested pipe to remove leaking girth weld. Pipe installed was pre-tested on A-0620-01 STPR. PSRS ID: 22801 PM#: 30816669 | ue to ALS performed in last qtr 2010 (LK# 10-81004-1). On N/A stalled (2) 4" PCF s with a temp by-pass and installed 1ft ested pipe to remove leaking girth weld. Pipe installed was | | | |
| 0632-01 | 1.940 | 10/27/2010 | Leak at girth weld | Grade 1 leak found on the Gas Transmission Leak Survey (LK#10-81009-1). Leak pinpointed to be on the girth weld of the 3" 0632-01 DFM that supplies Williams. PSRS ID: 22746 PM#: 30811954 | ointed to be on the girth weld of the 3" 0632-01 at the root (Analysis | | | |
| DREG5479 | 0.01 to | 10/20/2011 | Insufficient pipe specs to | 3 sections removed for testing to validate pipe specs as part of Class | ATS #413.61-12.112 | Confirmed as commensurate | | |
| (R0045) | 0.02 | | establish Mop of 600 psig | Location OII. Note that the pipe in question was deactivated and replaced with new pipe on PSRS24878 PM30863585 | tion OII. Note that the pipe in question was deactivated and Anamet Report | | | |
| L-50A | 18.130 | 9/29/2011 | Leak developed around cap fabricated to cover an old service tee | LK 1310810011 PSRS ID: 22837 PM#: 30817842 Section of pipe ATS #413.62-11.7 Lack of | | Lack of fusion between pipe and fabricated cap | | |
| 153-6 | 0.010 | Week of 4/2/12 | Dent | Dent was found during camera work Hydro T-047C. It was only six feet from the tie in hole. | N/A | No test performed - this section of pipe was replaced. | | |

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| | Approx. | Date | | | ATS or Other Test Report | |
|-------------|---------|-----------|---|---|--|--|
| Line Number | MP | Removed | Reason for Removal | Removal Comments | # . | Report Results |
| 191A | 2.960 | 7/13/2011 | Dent | Dent was found on Gas Transmission Leak Survey because this section of main was exposed by a run off system. | The metalurgical evaluation revealed that the girth weld exhibited a lack of penetration, porosity, a lack of fusion and an insufficient amount of filler metal for complete fusion. The overall quality of the girth weld was poor. | |
| L-195 | 4.24 | 03/10/12 | | Removed a piece of pipe to perform destructive testing and determine yield strength. ATS sent out for Destructive Test (API 5L Standard). | ATS #413.61-12.105 Anamet #5004.7131 | Testing confirmed pipe diameter, wall thickness and seam. Yield strength verified through destructive testing. Segment confirmed to be commensurate. |
| DREG5479 | 0.00 | 10/20/11 | Verification of pipe properties for assessment of commensurate status | Removed a piece of pipe to perform destructive testing and determine yield strength. ATS sent out for Destructive Test (API 5L Standard). | ATS #413.61-12.113 Anamet #5004.7131 | Testing confirmed pipe diameter, wall thickness and seam. Yield strength verified through destructive testing. Segment confirmed to be commensurate. |
| SP3 | 169.39 | 09/25/11 | | Removed a piece of pipe to perform destructive testing and determine yield strength. ATS did a Destructive Test (API 5L Standard). | ATS #413.61-11.133 | Yield strength verified through destructive testing. Segment confirmed to be commensurate. |
| DCUST7910 | 0.2 | | | ars attempted to cad weld leads to 1 1/4" pipe as part of a casing inspection project. During cad weld process the pipe wall thickness was reduced and required cut-out | N/A | No test performed - It is likely that the "shot" used in the Cad weld was too hot and melted the pipe wall. |
| DCUST7910 | 0.26 | 1/12/2012 | Mechanical Damage & Corrosion | Mears discovered mechanical damage with presence of corrosion while conducting a casing inspection | N/A | No test performed |
| L-197A | 37.9 | 1/24/2012 | Leak in Long Seam | Appears to have 1-1/4" long crack in long seam | Pending with Anamet | Lab Pending |
| DFDS3639 | 0.00 | 04/19/12 | Weld Failure | Removed a piece of pipe to perform a weld failure anaylsis on leaking 2" girth weld | ATS #413.61-12.119 | Testing showed weld discontinuities which led to leakage. |
| 220 | 14.43 | 4/20/2012 | | Removed a piece of pipe to perform destructive testing and determine to determine pipe properties. | Pending | Pending |
| L-124A | 24.19 | 5/30/2012 | Inclusion or lamination | Removed for further examination as part of L-124A ILI DE&R (Dig S 10). | ite ATS #413.61-11.239; | TBD |
| L-124A | 24.19 | 5/30/2012 | Internal Metal loss | Removed for further examination as part of L-124A ILI DE&R (Dig S 10a). | te ATS #413.61-11.116; | TBD |
| 220 | 24.31 | 5/11/2012 | | ECDA dig found a leak repair fitting for a historical leak repair. This fitting was reported to have a leak on it and it was removed for further analysis. | Pending | Pending |
| L-177A | 158.23 | 6/1/2012 | Asset Knowledge | A sleeve was removed from a 12" pipe to determine the root cause of the original leak PM# 41604542 | N/A | |
| L-137C | 8.24 | 6/3/2012 | Incorrect repair of a leaking girth weld | Removed the girth weld of a 4" pipe PM# 30923304 | N/A | No test performed |
| 108 | 4.59 | 6/16/2012 | Coupon miss-aligned on the completion plug | 24" TDW fitting was removed along with 10' of 24" pipe. The coupon was facing 90 degrees to the flow. | NA | TBD |
| 131 | 45.09 | 6/3/2012 | Leak in Girth Weld | Removed piece to inspect weld for leak defect. | Pending | Pending |
| 131 | 45.09 | 6/3/2012 | Construction | Removed series of mitered angle fittings with bell-spigot style girth welds to perform destructive strength testing. | Pending | Pending |
| 132 | 39.3 | 6/27/2012 | Deactivation o Redacte Dr, San Bruno Rupture Site | Cut-out of 4'-10" of 30" (1956 Vintage) a Redacted Bruno for deactivation of L132 at San Bruno Incident site | Sampling is being performed to determine mercury and other contaminant levels embedded in the pipe wall prior to slurry fill and permanent abandonment | |

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| | Approx. | Date | | | ATS or Other Test Report | | |
|-------------|-----------------|------------|---|--|--|--|--|
| Line Number | MP | Removed | Reason for Removal | Removal Comments | # | Report Results | |
| 132 | 39.3 | 6/27/2012 | Deactivation of (Redact) Dr, San Bruno Rupture Site | Cut-out of 8'-0" of 30" (1948 Vintage) a Redacted for deactivation of L132 at San Bruno Incident site | N/A | Sampling is being performed to determine mercury and other contaminant levels embedded in the pipe wall prior to slurry fill and permanent abandonment. This 1948 section of pipe spanned the former Crestmoor Canyon and has been abandoned since 1956. | |
| 101 | 12.06 | 6/28/2012 | Leak on Valve | 4" tap valve (TK Floating Ball Valve) leaking from flanged body. No repair could be made so valve was cut-out and replaced. | Pending MPR | T BD | |
| 172A | 78.51 | 8/6/2012 | Long seam defect (lack of fusion) | ECDA was performing a direct examination inspection of L-172A at approximate MP 78.51. Upon completion of Radiography at this dig site some indications were discovered in the long seam of the pipeline.All 12 feet of the exposed long seam weld was inspected by radiograph. From the 7-8 view to 11-12 view, intermittent indications of Lack of Fusion is present, spread throughout these 5 linear feet of long seam. Just to be sure, two confirmation shots confirmed these indications exist and are not image artifacts, etc. According to API 5L, 44th Ed, "any cracks, lack of complete penetration, and lack of complete fusion found by radiographs inspection shall be classified as defects. There is no Alternate Acceptance criteria (Kiefner Report) applicable to these indications.~ 8 feet of pipe to remove long seam with linear indications was replaced. | s performing a direct examination inspection of L-172A at tet MP 78.51. Upon completion of Radiography at this dig indications were discovered in the long seam of the I 12 feet of the exposed long seam weld was inspected by an Errom the 7-8 view to 11-12 view, intermittent indications Fusion is present, spread throughout these 5 linear feet of a Just to be sure, two confirmation shots confirmed these sexist and are not image artifacts, etc. According to API 5L, any cracks, lack of complete penetration, and lack of fusion found by radiographs inspection shall be classified as there is no Alternate Acceptance criteria (Kiefner Report) to these indications.~ 8 feet of pipe to remove long seam | | |
| L-21C | 37.25 | 8/16/2012 | Consecutive Girth Weld Leaks | Removed two leaking girth welds that were repaired with clamps PM# 41718610 | N/A | | |
| L-21E | 60.04 | 8/21/2012 | | Removed a dent with gouge affecting the ERW long-seam weld | N/A | Likely third party damage, results documented on Form H, no further testing required | |
| 191-1 | 15.7 | 9/29/2012 | Unknown Long Seam | This Drip was removed due to Intergirty Mangament concerns of an unknown long seam in the drip leg | N/A | | |
| L-105N | 7.60 | 10/12/2012 | Missing STPR record | Removed a 30 inch organ style drip due to missing hydrotest records and replaced with new 24 inch pipe on PSRS 27905 PM 30940671 | N/A | | |
| L-105N | 18.48 | 10/20/2012 | Insufficient pipe specs to establish MOP of 328 psig | Removed 21 feet of 6 inch pipe in question and replaced with new 6 inch pipe on PSRS 26664 PM 41658907 | N/A | | |
| L-21E | 95.98 | 10/19/2012 | Metal loss in the long seam weld | L-21E Dig Site 16. Removed approximately 60 feet (one full pipe joint) to further investigate long seam corrosion found as part of L-21E Immediate Digs (SO 41668200). ILI vender reported metal loss (ML) on the long seam weld (LSW). | Pending | Pending | |
| L-21E | 95.24 | 10/19/2012 | Metal loss and linear indications in the long seam weld | L-21E Dig Site 21. Removed approximately 60 feet (one full pipe joint) to further investigate long seam corrosion found as part of L-21E Immediate Digs (SO 41668200). ILI vender reported manufacturing metal loss (ML) on the long seam weld (LSW). | Pending | Pending | |
| 177A | 108.33 | 11/3/2012 | 7' long area of low UT reads with no metal loss. | Suspected lamination. Plan to complete destructive testing to confirm nature of low UT reads. | Pending | Pending Pending | |
| L314 | 23.3 & 26.35 | 12/2/2012 | Seam leaks | Removed 10 feet of 10-inch and 10 feet of 12inch sent to ATS for root cause analysis | in progress | | |
| L-142S | 4.28 | 11/30/2012 | External Corrosion | External corrosion was discovered with an interacting linear indication, along with a separate linear indication affecting the long seam formed by Electric Resistance Welding (ERW). | N/A ATS is planned to perform further testing to determine the nature of the linear indication. | | |
| L-118B | 7.8 | 12/1/2012 | Mech Damage | Removed 4' of mechanically damaged pipe, L118B was blown flat to remove the damaged portion of pipe | NA No Test Performed | | |

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| Line Number | Approx. MP | Date Removed | Reason for Removal | Removal Comments | ATS or Other Test Report # | Report Results |
|-------------|---------------|-----------------|--------------------|---|----------------------------|---|
| 1609-01 | 1.64 | 12/1/2012 | | Pipe ruptured, ~24" of the pipe was blown out of the ground, line was blown flat and bypass installed | | Likely third party damage, results documented on Form H, no further testing required |
| 1609-01 | 1.41 | 12/15/2012 | Mech Damage M | ech damage from power pole installation | Yes | Likely third party damage, results documented on Form H, no further testing required |
| 1609-01 | 1.44 | 12/15/2012 | Mech Damage M | ech damage from power pole installation | Yes | Likely third party damage, results documented on Form H, no further testing required |
| 1609-01 | 1.51 | 12/15/2012 | Mech Damage M | ech damage from power pole installation | Yes | Likely third party damage, results documented on Form H, no further testing required |

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| | | | | | Test | | | | | |
|---------|-------------|-------|-------|-----------|-----------|---------------------------------|--|---|-------------|---|
| 1 | | | | Hydrotest | Performed | Date Test | | Corresponding MP to Report # and matching | Test Report | |
| Test# | Line Number | MP1 | MP2 | Date | by | Completed | Report# | material | Status | Report Results |
| T-02 | L-101 | 0.62 | 3.08 | 06/04/11 | ATS | 3/27/2012 | 413.62-21.34 | 413.62-12.34 corresponds with MP 3.08, Loc B. | Complete | ATS examination to comm mechanical value for data |
| T-03 | L-101 | 3.08 | 4.66 | 06/07/11 | ATS | 3/27/12 07/09/12 | 413.62-12-34 | 413.62-12.34 corresponds with MP 3.08 Loc B 413.62-12.119 corresponds with MP 4.66 Loc A | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-07 | L-105A | 38.00 | 41.00 | 09/29/11 | ATS | 3/21/12 03/21/12 07/25/12 | 413.62-12.13 413.62-12.14 | 413.62-12.13 corresponds with MP 38.97 Loc C 413.62-12.14 corresponds with MP 38.97 Loc C 413.62-12.140 corresponds with MP 41.01 Loc A | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-10 | L-105C | 0.00 | 1.77 | 08/25/11 | ATS | 06/08/12 | 413.62-12.60 | 13.62-12.60 corresponds with MP 1.67 Loc B. Only one sample was taken because Location A and B have the same diameter, wall thickness, and steel grade. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-11 | L-105N | 11.07 | 11.86 | 06/05/11 | ATS | 12/6/2011 06/29/12 | 413.62-11.26 413.62-12.92 | 413.62-11.26 corresponds with MP 11.88 Loc A 413.62-12.92 corresponds with MP 11.07 Loc B | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-15 | L-105N | 27.94 | 28.13 | 09/11/11 | ATS | 06/08/12 | 413.61-12.173 | 13.62-12.173 corresponds with MP 27.96 Loc B Only one sample was taken because Location A and B have the same diameter, wall thickness, and steel grade. | Completed | K-Ray weld indication - X-ray conducted at Modesto pipe yard during Hydrotest mechnical properties testing process. |
| T-16 | L-105N | 28.13 | 28.64 | 09/23/11 | ATS | 5/31/2012 10/10/2012 | 413.62-12.49 413.62-12.188 | 413.62-12.49 corresponds with MP 28.66 Loc A Only one sample was taken because Location A and B have the same diameter, wall thickness, and steel grade. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-17 | L-105N | 28.64 | 30.63 | 10/17/11 | ATS | 5/31/12 07/25/12 | 413.62-12.56 413.62-12.141 | 413.62-12.56 corresponds with MP 30.63 Loc A 413.62-12.141 corresponds with MP 30.64 Loc A- 4. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-12017 | L-132 | 40.04 | 40.08 | 11/21/11 | ATS | 06/29/12 | 413.62-12.103 4 | 13.62-12.103 corresponds with MP 40.08 Loc B MP 40.04 (Loc A) corresponds with T-32, 413.62-12.67 with the same pipe diameter, wall thickness, and steel grade. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-19 | L-114 | 16.52 | 16.59 | 09/16/11 | ATS | 6/15/12 07/26/12 | 413.62-12.66 413.62-12.133 | 413.62-12.66 corresponds with MP 16.50 Loc A 413.62-12.133 corresponds with MP 16.57 Loc B. | | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-20 | L-131 | 42.34 | 42.42 | 07/26/11 | ATS | 5/31/12 07/18/12 | 413.62-12.57 413.62-12.107 | 413.62-12.57 corresponds with MP 42.34 Loc A 413.62-12.107 corresponds with MP 42.42 Loc C | · | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-22N | L-131 | 50.71 | 51.43 | 10/12/11 | ATS | 5/31/12 07/09/12 07/18/12 | 413.62-12.46 413.62-12.116 413.62-12.120 | 413.62-12.46 corresponds with MP 55.88 Loc C 413.62-12.116 corresponds with MP 50.7 Loc A 413.62-12.120 corresponds with MP 51.35 Loc M. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |

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| | | | | | Test | | | | T 10 1 | |
|-------|-------------|-------|-------|-------------------|-----------|-------------------------|--------------------------------|--|-----------------------|---|
| Test# | Line Number | MP1 | MP2 | Hydrotest Date | Performed | Date Test Completed | Report# | Corresponding MP to Report # and matching material | Test Report Status | Report Results |
| T-22S | L-131 | 51.43 | 55.50 | 10/13/11 | ATS | 05/31/12 | 413.62-12.46 | 413.62-12.46 corresponds with MP 55.53 Loc C 413.62-12.120 corresponds with MP 51.35 Loc M (T-22N) | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-24 | L-132 | 0.95 | 1.88 | 10/23/11 | ATS | 5/18/12 07/18/12 | 413.62-12.23 413.62-12.110 | 413.62-12.23 corresponds with MP 0.945 Loc B 413.62-12.110 corresponds with MP 1.88 Loc A. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-25A | L-132 | 3.05 | 4.00 | 06/19/11 | ATS | 07/18/12 | 413.62-12.111 | 413.62-12.111 corresponds with MP 3.05 Loc B1. Only one sample was taken because Location A and B have the same diameter, wall thickness, and steel grade. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-26 | L-132 | 4.92 | 7.10 | 10/15/11 | ATS | 07/26/12 | 413.62-12.134 | 413.62-12.134 corresponds with MP 4.92 Loc B MP 7.10 Loc A corresponds with 413.62-12.112 (T-27) | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-27 | L-132 | 7.10 | 8.54 | 09/05/11 | ATS | 07/18/12 07/18/12 | 413.62-12.112 413.62-12.113 | 413.62-12.112 corresponds with MP 8.54 Loc A 413.62-12.113 corresponds with MP 7.11 Loc B. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-28 | L-132 | 8.54 | 10.32 | 08/14/11 | ATS | 5/31/2012 10/12/2012 | 413.62-12.15 413.62-12.186 | 413.62-12.15 corresponds with MP 10.32 Loc A 413.62-12.186 corresponds with MP 8.54 Loc B. 413.62-12.186 ATS report says MP 10.32. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-29 | L-132 | 10.32 | 13.95 | 09/09/11 | ATS | 05/31/12 | 413.62-12.24 | 413.62-12.24 corresponds with MP 13.95 Loc A. MP 10.32 Loc B correspond with 413.62-12.15 (T- 28) | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-30 | L-132 | 13.95 | 18.46 | 11/10/11 | ATS | 7/18/12 07/25/12 | 413.62-12.114 413.62-12.142 | 413.62-12.114 corresponds with MP 18.46 Loc A 413.62-12.142 corresponds with MP 13.87 Loc B. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-31 | L-132 | 18.46 | 23.16 | 11/12/11 | ATS | 07/18/12 | 413.62-12.123 | 13.62-12.123 corresponds with MP 23.16 Loc A- 1. Only one sample was taken because Location A and B have the same diameter, wall thickness, and steel grade. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-32 | L-132 | 23.16 | 25.60 | 11/04/11 | ATS | 06/20/12 | 413.62-12.67 | 13.62-12.67 corresponds with MP 25.55 Loc A. Only one sample was taken because Location A and B have the same diameter, wall thickness, and steel grade. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-33 | L-132 | 29.06 | 31.95 | 10/13/11 | ATS | 06/08/12 | 413.61-12.170 | 413.61-12.170 corresponds with MP 31.95 Loc A. | Completed | X-ray Weld Indication - X-ray conducted at Modesto pipe yard during Hydrotest mechanical properties testing process. Flagged for follow up, removed from this data loool. |
| T-34 | L-132 | 31.95 | 34.68 | 10/20/11 | ATS | 06/08/12 | 413.61-12.171 | 413.61-12.171 corresponds with MP 31.96 Loc B. Only one sample was taken because Location A and B have the same diameter, wall thickness, and steel grade. | Completed | X-ray weld indication - X-ray conducted at Modesto pipe yard during Hydrotest mechnical properties testing process. Flagged for follow up, removed from this data pool. |
| T-35 | L-132 | 34.68 | 38.39 | 10/30/11 | ATS | 5/31/2012 6/8/2012 | 413.62-12.47 413.61-12.172 | 413.62-12.47 corresponds with MP 38.39 Loc A 413.61-12.172 corresponds with MP 34.68 Loc B. | Completed | X-ray weld indication - X-ray conducted at Modesto pipe yard during Hydrotest mechnical properties testing process. |

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| | | | | | Test | | | | | |
|--------|-------------|-------|-------|-----------|-----------|-------------------------------------|---|--|-------------|--|
| | | | | Hydrotest | Performed | Date Test | | Corresponding MP to Report # and matching | Test Report | |
| Test# | Line Number | MP1 | MP2 | Date | by | Completed | Report # | material | Status | Report Results |
| TV-36A | L-132 | 40.08 | 43.61 | 06/09/11 | ATS | 06/15/12 | 413.62-12.68 | 13.62-12.68 corresponds with MP 40.08 Loc A. Sample testing from Location B and C pending. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. For Site B, the hydrotested length of pipe was included in a subsequent insertion/replacement job so is not longer in service. |
| T-40 | L-132A | 0.01 | 1.45 | 05/09/11 | ATS | 07/19/12 | 413.62-12.121 | 413.62-12.121 corresponds with MP 0.09 Loc A, | Completed | ATS examination to confirm mechanical value for data |
| | | | | | | 07/19/12 | 413.62-12.122 | 413.62-12.122 corresponds with MP 0.064 Loc B. Mile Points and Report Results in review | | collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-41 | L-132A | 1.46 | 1.47 | 05/09/11 | ATS | 07/26/12 | 413.62-12.131 | 13.62-12.131 corresponds with MP 1.446 Loc C | Completed | ATS examination to confirm mechanical value for data |
| | 2 1021 | 1.40 | 10 | 33,03,77 | 7110 | 01/20/12 | 110.02 12.101 | MP 0.064 Loc B corresponds with 413.62-12.122 Mile Points and Report Results in review | Completed | collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-42 | L-147 | 0.02 | 0.85 | 10/14/11 | ATS | 05/31/12 | 413.62-12.58 | 413.62-12.58 corresponds with MP 0.02 Loc A. | Completed | ATS examination to confirmmechanical value for data |
| | | | | | | | | | | collection and analysis. Pipe coupon was x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. MP 0.85: X-ray Weld Indication - X-ray conducted at Modesto pipe yard during Hydrotest mechanical properties testing process. Flagged for follow up, removed from this data pool. |
| T-43A | L-147 | 0.85 | 1.50 | 10/17/11 | ATS | 05/31/12 | 413.62-12.55 | 413.62-12.55 corresponds with MR 1.951 Loc B. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupon was x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. MP 0.85: X-ray Weld Indication - X-ray conducted at Modesto pipe yard during Hydrotest mechanical properties testing process. Flagged for follow up, removed from this data pool. |
| T-43B | L-147 | 1.50 | 3.40 | 10/22/11 | ATS | 07/18/12 07/26/12 | 413.62-12.124 413.62-12.147 | 413.62-12.124 corresponds with MP 3.39 Loc C, 413.62-12.147 corresponds with MP 2.36 Loc E. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-44 | L-153 | 0.00 | 3.45 | 07/29/11 | ATS | 6/29/12 07/26/12 | 413.62-12.95 413.62-12.150 | 413.62-12.95 corresponds with MP 3.45 Loc A 413.62-12.150 sampled from MP 3.45 Loc A, MP 13.60 (Loc B) corresponds with T-45, 413.62-12.51 with the same pipe diameter, wall thickness, and steel grade. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-45 | L-153 | 9.20 | 13.61 | 06/29/11 | ATS | 05/31/12 | 413.62-12.51 | 413.62-12.51 corresponds with MP 13.60 Loc A. Only one sample was taken because Location A and B have the same diameter, wall thickness, and steel grade. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-46 | L-153 | 13.62 | 17.62 | 07/09/11 | ATS | 3/21/2012 06/29/12 01/07/2013 | 413.62-12.16 413.62-12.96 413.62-13.010 | 413.62-12.16 corresponds with MP 14.839, 413.62-13.010 corresponds with MP 13.62 Loc B 30" OD. 413.62-12.96 corresponds with MP 13.62 Loc B, 20" OD | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |

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| | | | | | Test | | | | | |
|--------|-------------|--------|--------|-----------|-----------|----------------------------------|--|---|-------------|---|
| | | | | Hydrotest | Performed | Date Test | | Corresponding MP to Report # and matching | Test Report | |
| Test# | Line Number | MP1 | MP2 | Date | by | Completed | Report # | material | Status | Report Results |
| TV-47A | L-153 | 17.65 | 18.01 | 07/28/11 | ATS | 06/15/12 | 413.62-12.69 | 13.62-12.69 corresponds with MP 18.01 Loc A. Only one sample was taken because Location A and C have the same diameter, wall thickness, and steel grade. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-47B | L-153 | 18.03 | 20.06 | 11/15/11 | ATS | 07/26/12 | 413.62-12.132 | 13.62-12.132 corresponds with MP 20.06 Loc A, Only one sample was taken because MP 18.03 Loc B corresponds with 413.62-12.69 MP 18.01 | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-49E | L-191 | 6.48 | 7.72 | 10/31/11 | ATS | 07/09/12 | 413.62-12.115 | 413.62-12.115 corresponds with MP 6.48 Loc B. Only one sample was taken because Loc.A and Loc. B have the same pipe diameter, wall thickness, and steel grade. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-49W | L-191 | 7.72 | 9.44 | 11/11/11 | ATS | 06/08/12 | 413.62-12.62 | 13.62-12.62 corresponds with MP 9.44 Loc A. Only one sample was taken because MP 7.72 Loc E corresponds with 413.62-12.115 MP 6.44 | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-51 | L-300A | 121.87 | 122.68 | 06/08/11 | ATS | 03/21/12 | 413.62-12.17 | 13.62-12.17 corresponds with MP 122.68 Loc A. Only one sample was needed because Location A and B have the same diameter, wall thickness, and grade. Also the same as T-52 | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-52 | L-300A | 127.03 | 127.93 | 06/06/11 | ATS | 03/27/12 | 413.62-12.18 | 13.62-12.18 corresponds with MP 127.93 Loc A. Only one sample was taken because Location A and B have the same diameter, wall thickness, and steel grade. Also the same as T-51 | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-54B | L-300A | 155.08 | 156.40 | 09/21/11 | ATS | 05/31/12 | 413.62-12.25 4 | 13.62-12.25 corresponds with MP 155.07 Loc B. Only one sample was taken because Location A and B have the same diameter, wall thickness, and steel grade. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-55 | L-300A | 156.40 | 157.86 | 09/23/11 | NA | NA | NA Co | responds to 413.62-12.146 T-75; they are the same pipe segment with the same MPs. | Completed | NA |
| T-56S | L-300A | 157.86 | 159.33 | 09/27/11 | ATS | 05/31/12 05/31/12 07/26/12 | 413.61-12.202 413.62-12.26 413.61-12.130 | 413.62-12.202 corresponds with MP 159.86 Loc B. 413.62-12.26 corresponds with MP 159.33 Loc B. 413.62-12.130 corresponds with Loc A. | Completed | X-ray weld indicationX-ray conducted at Modesto pipe yard during Hydrotest mechnical properties testing process. |
| T-60 | L-300A | 256.22 | 257.08 | 08/09/11 | ATS | 05/31/12 06/27/12 | 413.62-12.27 413.62-12.83 | 413.62-12.27 corresponds with MP 257.08 Loc A, 413.62-12.83 corresponds with MP 256.21 Loc B. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-62 | L-300A | 345.02 | 345.26 | 06/26/11 | ATS | 02/27/12 07/18/12 | 413.62-12.01 413.62-12.128 | 413.62-12.01 corresponds with MP 345.26 Loc A, 413.62-12.128 corresponds with MP 345.02 Loc B | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-63 | L-300A | 353.56 | 353.85 | 06/24/11 | ATS | 3/27/2012 06/29/12 | 413.62-12.19 413.62-12.90 | 413.62-12.19 corresponds with MP 353.85 Loc A, 413.62-12.90 corresponds with MP 353.56 Loc B. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |

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| | | | | | Test | | | | | |
|-------|-------------|--------|--------|-----------|-----------|-----------------------|-------------------------------|--|-------------|---|
| | | | | Hydrotest | Performed | Date Test | | Corresponding MP to Report # and matching | Test Report | |
| Test# | Line Number | MP1 | MP2 | Date | by | Completed | Report# | material | Status | Report Results |
| T-64 | L-300A | 414.79 | 416.98 | 12/05/11 | ATS | 05/31/12 07/18/12 | 413.62-12.50 413.62-12.126 | 413.62-12.50 corresponds with MP 414.91 Loc B, 413.62-12.126 corresponds with MP 417.11 Loc A. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-65A | L-300A | 450.00 | 450.83 | 09/22/11 | ATS | 07/18/12 | | A. MP 450.00 Loc B corresponds with MP 450.82 Loc MP 450.00 Loc B corresponds with 413.62-12.02 MP 445.49 | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-65B | L-300A | 445.59 | 446.48 | 09/23/11 | ATS | 02/27/12 07/09/12 | 413.62-12.02 413.62-12.117 | 413.62-12.02 corresponds with MP 445.49 Loc A, 413.62-12.117 corresponds with MP 445.594 Loc B. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-67A | L-300A | 477.77 | 478.06 | 10/21/11 | ATS | 06/08/12 | 413.62-12.61 4 | 13.62-12.61 corresponds with MP 478.06 Loc D. Only one sample was taken because Location C and D have the same diameter, wall thickness, and steel grade. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-67B | L-300A | 475.26 | 475.77 | 10/22/11 | ATS | 06/27/12 | 413.62-12.84 4 | 13.62-12.84 corresponds with MP 475.77 Loc C. Only one sample was taken because Location C and D have the same diameter, wall thickness, and steel grade. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-68 | L-300A | 480.74 | 483.76 | 11/03/11 | ATS | 06/27/12 06/27/12 | 413.62-12.70 413.62-12.85 | 413.62-12.70 corresponds with MP 483.74 Loc A, 413.62-12.85 corresponds with MP 480.69 Loc B. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-70 | L-300A | 490.48 | 490.63 | 07/25/11 | ATS | 2/27/2012 06/29/12 | 413.62-12.03 413.62-12.93 | 413.62-12.03 corresponds with MP 490.63 Loc A, 413.62-12.93 corresponds with MP 490.48 Loc B. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-71 | L-300A | 490.66 | 493.59 | 07/29/11 | ATS | 05/31/12 | 413.62-12.28 | 413.62-12.28 corresponds with MP 490.68 Loc B. Only one sample was taken because Location A and B have the same diameter, wall thickness, and steel grade. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-72 | L-300A | 493.59 | 496.05 | 08/01/11 | ATS | 5/31/2012 06/27/12 | 413.62-12.29 413.62-12.76 | 413.62-12.29 corresponds with MP 493.61 Loc B, 413.62-12.76 corresponds with MP 496.05 Loc A. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-73 | L-300A | 496.36 | 499.77 | 08/02/11 | ATS | 06/15/12 | | 413.62-12.71 corresponds with MP 496.36 Loc B. MP 499.27 Loc A corresponds with 413.62-12.29 | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-74 | L-300A | 499.77 | 502.23 | 08/04/11 | ATS | 5/31/2012 06/29/12 | 413.62-12.30 413.62-12.29 | 413.62-12.30 corresponds with MP 502.23 Loc A, MP 499.77 Loc B corresponds with 413.62-12.29. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-75 | L-300A-1 | 156.40 | 157.86 | 09/25/11 | ATS | 07/26/12 | | 13.62-12.146 corresponds with MP 156.41 Loc B. Only one sample was taken because Location A and B have the same diameter, wall thickness, and grade. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-76 | L-300B | 0.15 | 0.46 | 08/28/11 | ATS | 3/30/2012 06/27/12 | 413.62-12.20 413.62-12.78 | 413.62-12.20 corresponds with MP 0.45 Loc A, 413.62-12.78 corresponds with MP 0.24 Loc B. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |

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| | | | | | Test | | | | | |
|-------|-------------|--------|--------|-----------|-----------|----------------------------------|---|--|-------------|---|
| | | | | Hydrotest | Performed | Date Test | | Corresponding MP to Report # and matching | Test Report | |
| Test# | Line Number | MP1 | MP2 | Date | by | Completed | Report# | material | Status | Report Results |
| T-77 | L-300B | 126.88 | 127.50 | 06/16/11 | ATS | 04/06/12 | 413.62-12.21 | 413.62-12.21 corresponds with MP 127.50 Loc A. Only one sample was taken because Location A and B have the same diameter, wall thickness, and steel grade. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-79A | L-300B | 152.73 | 155.26 | 10/11/11 | ATS | 05/31/12 | 413.62-12.53 4 | 13.62-12.143 corresponds with MP 155.26 Loc A. Only one sample was taken because MP 152.73 Loc B corresponds with 413.62-12.79 MP 160.58 | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| | | | | | | | | | | |
| T-79B | L-300B | 160.71 | 160.88 | 10/17/11 | ATS | 5/31/2012 06/27/12 | 413.62-12.53 413.62-12.79 | 413.62-12.53 corresponds with MP 160.88 Loc A, 413.62-12.79 corresponds with MP 160.58 Loc B. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-80 | L-300B | 237.45 | 240.56 | 08/26/11 | ATS | 05/31/12 | 413.62-12.31 | 13.62-12.31 corresponds with MP 237.45 Loc B. | Completed | ATS examination to confirm mechanical value for data |
| | | | | | | | | Only one sample was taken because Location A and B have the same diameter, wall thickness, and steel grade. | | collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-81 | L-300B | 256.66 | 257.51 | 08/22/11 | ATS | 5/31/2012 06/29/12 | 413.62-12.40 413.62-12.98 | 413.62-12.40 corresponds with MP 256.65 Loc C, 413.62-12.98 corresponds with MP 257.51 Loc A. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-82 | L-300B | 263.46 | 264.46 | 08/23/11 | ATS | 06/15/12 | 413.62-12.72 | 413.62-12.72 corresponds with MP 264.89 Loc A. Only one sample was taken because Location A and B have the same diameter, wall thickness, and steel grade. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-84A | L-300B | 353.54 | 353.82 | 07/22/11 | ATS | 3/30/2012 06/29/12 | 413.62-12.22 413.62-12.89 | 413.62-12.144 corresponds with MP 353.81 Loc E, 413.62-12.89 corresponds with MP 353.53 Loc B. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-84B | L-300B | 354.02 | 354.31 | 07/22/11 | ATS | 07/25/12 | 413.62-12.144 4 | 13.62-12.22 corresponds with MP 354.02 Loc C T-84 Loc. A corresponds to 413.62-12.45 and 413.62-12.94 | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-85 | L-300B | 384.06 | 384.90 | 06/28/11 | ATS | 02/27/12 07/09/12 | 413.62-12.04 413.62-12.94 | 413.62-12.04 corresponds with MP 384.06 Loc B, 413.62-12.94 corresponds with MP 384.901 Loc A. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-86 | L-300B | 414.79 | 418.03 | 12/12/11 | ATS | 5/31/2012 06/29/12 | 413.62-12.45 413.62-12.99 | 413.62-12.45 corresponds with MP 417.37 Loc A East, 413.62-12.99 corresponds with MP 414.7728 Loc B. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-87A | L-300B | 450.78 | 450.80 | 10/04/11 | ATS | 02/27/12 07/25/12 02/27/12 | 413.62-12.05 413.62-12.135 413.62-12.09 | 413.62-12.05 corresponds with MP 450.79 Loc B 413.62-12.135 corresponds with MP 450.78 Loc B. 413.62-12.09 corresponds with MP 450.79 Loc A. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-87B | L-300B | 450.05 | 450.78 | 10/08/11 | ATS | 07/25/12 | 413.62-12.136 4 | 13.62-12.136 corresponds with MP 449.78 Loc B. Loc A corresponds with 413.62-12.135 MP 450.78 | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |

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| | | | | | Test | | | | | |
|-----------|-------------|--------|--------|-------------------|-----------------|------------------------|--------------------------------|---|-----------------------|---|
| Test# | Line Number | MP1 | MP2 | Hydrotest Date | Performed by | Date Test Completed | Report# | Corresponding MP to Report # and matching material | Test Report Status | Report Results |
| T-87C | L-300B | 445.49 | 446.50 | 10/05/11 | ATS | 07/09/12 07/25/12 | 413.62-12.118 413.62-12.139 | 413.62-12.118 corresponds with MP 445.49 Loc B, 413.62-12.139 corresponds with MP 446.5 Loc A. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-89D | L-300B | 484.01 | 484.72 | 08/16/11 | ATS | 03/21/12 | 413.62-12.10 4 | 3.62-12.10 corresponds with MP 484.72 Loc D. Only one sample was taken because Location D and E have the same diameter, wall thickness, and steel grade. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-89N | L-300B | 489.33 | 490.92 | 08/20/11 | ATS | 06/27/12 | | 13.62-12.80 corresponds with MP 490.91 Loc A. MP 489.33 Loc B corresponds with 413.62-12.10 MP 484.72 | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-90A | L-300B | 490.94 | 493.90 | 08/28/11 | ATS | 06/29/12 | 413.62-12.100 413.62-12.11 | 413.62-12.100 corresponds with MP 490.94 Loc E-South. MP 493.90 corresponds to 413.62-12.11 Location D | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-90B | L-300B | 493.90 | 496.37 | 08/29/11 | ATS | 03/27/11 | 413.62-12.11 413.62-12.138 | 413.62-12.11 corresponds with MP 493.89 Loc D. Location D and C have the same diameter, wall thickness and grade. Location C also sampled, 413.62-12.138 | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-90C | L-300B | 496.37 | 499.33 | 08/30/11 | ATS | 07/25/12 | 413.62-12.138 413.62-12.151 | 413.62-12.138 corresponds with MP 496.36 Loc C. MP 499.33 Loc. B corresponds to 413.62-12.151 | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-90D | L-300B | 499.33 | 502.62 | 08/31/11 | ATS | 07/25/12 07/26/12 | 413.62-12.137 413.62-12.151 | 413.62-12.137 corresponds with MP 502.62 Loc A, 413.62-12.151 corresponds with MP 499.33 Loc B. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe sections met API 5L requirements. |
| T-93A | L-400-3 | 293.41 | 297.87 | 11/14/11 | ATS | 06/29/12 | 413.62-12.101 | 13.62-12.101 corresponds with MP 293.40 Loc A. Only one sample was taken because Location A | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met |
| T-93B | L-400 | 293.40 | 297.86 | 11/02/11 | NA | NA | NA Lo | ation A and B have pipes with the same diameter, wall thickness, and steel grade. T-93B L-400 is the same material as the parallel L-400-3, T-93A. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-96A (E) | SP5 | 2.40 | 3.87 | 05/16/11 | ATS | 03/27/12 | 413.62-12.33 | 13.62-12.33 corresponds with MP 3.87 Loc A. Only one sample was taken because Location A and B have the same diameter, wall thickness, and grade. Also MP 2.4 Loc B corresponds with 413.62- 12.91 MP 0.0 | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-96B (W) | SP5 | 0.00 | 2.40 | 05/19/11 | ATS | 06/29/12 | 413.62-12.91 4 | 13.62-12.91 corresponds with MP 0.0 Loc C. Only one sample was taken because Location B and C have the same diameter, wall thickness, and grade. Also MP 0.0 Loc C corresponds with 413.62- 12.33 MP 3.87 | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |

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| | | | | | Test | | | | | |
|------------------|-------------------|--------------|--------------|------------------|-----------|------------------------|-------------------------------|--|---------------------|---|
| | | | | Hydrotest | Performed | Date Test | | Corresponding MP to Report # and matching | Test Report | |
| Test # T-109E | Line Number L-148 | MP1 14.60 | MP2 17.11 | Date 10/24/11 | by ATS | Ompleted 07/26/12 | Report # 413.62-12.145 4 | material 413.62-12.145 corresponds with MP 14.62 Loc A. Only one sample was taken because Location A and B have the same diameter, wall thickness, and grade. | Status Completed | Report Results ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-109W | L-148 | 17.11 | 17.63 | 10/31/11 | ATS | 06/15/12 | 413.62-12.73 4 | 3.62-12.73 corresponds with MP 17.63 Loc C. MP 17.11 corresponds to T-109E Location A and B | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-112 | L-191 | 9.47 | 10.58 | 11/13/11 | ATS | 06/8/12 06/08/12 | 413.62-12.63 413.62-12.64 | 413.62-12.63 corresponds with MP 9.47 Loc A, 413.62-12.64 corresponds with MP 10.58 Loc B. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-115 | L-300A | 288.96 | 291.44 | 10/05/11 | ATS | 06/15/12 | 413.62-12.74 | 13.62-12.74 corresponds with MP 288.96 Loc B. Only one sample was taken because Location A and B have the same diameter, wall thickness, and steel grade. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-116A | L-300A | 267.94 | 268.65 | 11/12/11 | ATS | 05/31/12 | 413.62-12.54 4 | 13.62-12.54 corresponds with MP 268.65 Loc D. Only one sample was taken because Location E has the same diameter, wall thickness, and steel grade as Location D and T-116B Location A and B. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-116B | L-300A | 269.51 | 269.83 | 11/13/11 | ATS | 06/29/12 | 413.62-12.86 4 | 3.62-12.86 corresponds with MP 269.51 Loc B. Only one sample was taken because Location A and B have the same diameter, wall thickness, and steel grade. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-117 | L-300B | 283.85 | 284.62 | 10/27/11 | ATS | 05/31/12 07/18/12 | 413.62-12.48 413.62-12.129 | 413.62-12.48 corresponds with MP 284.62 Loc A, 413.62-12.129 corresponds with MP 283.85 Loc B. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-118A | L-300A | 239.57 | 241.60 | 11/13/11 | ATS | 06/29/12 | 413.62-12.87 4 | 13.62-12.87 corresponds with MP 239.57 Loc A. MP 241.6 corresponds to 413.62-12.75 Also, Location A and B are the same material. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-118B | L-300A | 241.60 | 243.74 | 11/15/11 | ATS | 06/20/12 | 413.62-12.75 4 | 13.62-12.75 corresponds with MP 241.6 Loc B. MP 243.74, Loc. C, is the same material as Location A and B | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-119-11 | L-300A | 372.50 | 374.61 | 01/24/12 | ATS | 05/11/12 06/29/12 | 413.62-12.37 413.62-12.88 | 413.62-12.37 corresponds with MP 374.572 Loc C, 413.62-12.88 corresponds with MP 372.499 Loc A. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-120 | L-300A | 384.65 | 385.55 | 11/17/11 | ATS | 06/27/12 not listed | 413.62-12.77 413.62-12.102 | 413.62-12.77 corresponds with MP 384.63 Loc A, 413.62-12.102 corresponds with MP 385.45 Loc B. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |

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| Test# | Line Number | MP1 | MP2 | Hydrotest Date | Test Performed by | Date Test Completed | Report# | Corresponding MP to Report # and matching material | Test Report Status | Report Results |
|-------|-------------|-------|-------|-------------------|-------------------------|------------------------|---------|--|-----------------------|---|
| T-121 | L-303 | 26.56 | 27.67 | 11/16/11 | ATS | 05/31/12 | | 13.62-12.52 corresponds with MP 27.704 Loc A Only one sample was taken because Location A and B have the same diameter, wall thickness, and steel grade. | · | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-122 | L-0211-01 | 0.00 | 0.74 | 10/28/11 | ATS | 10/29/12 | 1 | 13.62-12.154 corresponds to Loc C. No MP could be found. | , , | Pipe coupons were X-rayed and found to be seamless. The pipe coupon met API 5L specification. |

Indicates new or updated information

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|-------------|-------------|---------|---------|------------|-----------|--|---|---|--|--|
| | | | | Hydrotest | Performed | Date Test | | Corresponding MP to Report # and matching | Test Report | |
| Test# | Line Number | MP1 | MP2 | Date | by | Completed | Report# | material | Status | Report Results |
| PR-002-12 | 2405-01 | 0.553 | 0.62 | 04/28/12 | | | | | | Location A sample taken at Modesto yard, shipped to Anamet week of 12/18/12. Location B: no cut-out from this location to sample/test. |
| PR-003-12 | L-131 | 0 | 0.1752 | 04/05/12 | | | | | | Loc A: Completed Awaiting Final Report, Loc B: At Lab For Testing |
| PR-004-12 | L-300B | 0.24 | 0.24 | 08/05/12 | | | | | N/A | Nitrogen test, no cut-outs from test to sample/test. |
| TIM-013A-12 | L-109 | 41.9 | 43.473 | 10/11/12 | | | | | | Location A sample shipped to Anamet 11/27/12, awaiting ATS report. Location B sample taken at Modesto yard, shipped to Anamet. |
| T-013B-12 | L-109 | 43.492 | 44.7195 | 10/16/12 | | | | | | Location D sample taken at Modesto yard, shipped to Anamet. |
| T-018-12 | L-132 | 48.44 | 49.98 | 7/3/2012 | ATS | 10/10/2012 10/10/2012 10/10/2012 | 413.62-12.190 413.62-12.191 413.62-12.192 | 413.62-12.190 corresponds with MP 48.44 Loc A. 413.62-12.191 corresponds with MP 49.98 Loc B. 413.62-12.192 corresponds with MP 49.98 Loc B. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| C-019-12 | L-153 | 22.87 | 25.11 | NA | | | | | N/A | Camera Work, see TIM-019-13 |
| TIM-019-12 | L-153 | 22.94 | 25.11 | 8/30/2012 | | | | | | Samples from 3 Locations (A, B, R) shipped to Anamet for testing, 1/10/13. |
| TIM-020-12 | L-153 | 25.11 | 27.76 | 11/17/2012 | | | | | | Location A corresponds to Location B. Samples from 3 Locations (B, M, W) taken at Modesto yard, shipped to Anamet 1/15/13. |
| T-021-12 | L-191-1 | 9.5862 | 9.94 | 03/21/12 | ATS | 9/7/2012 | 413.62-12.168 | 413.62-12.168 corresponds with MP 9.5862 Loc B. | 1st Test Completed 2nd Test Pending | Loc B: ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. Loc A: Awaiting Final Report |
| TIM-024-12 | 0813-01 | 0.0293 | 1.2862 | 10/27/12 | | | | | | Location A sample taken at Modesto yard, shipped to Anamet 1/3/13. Location B sample taken at Modesto yard, shipped to Anamet 1/3/13. |
| T-025-12 | L-100 | 138.43 | 143.853 | 05/09/12 | ATS | 9/7/2012 | 413.62-12.169 | 413.62-12.169 corresponds with MP 138.43 Loc B. | 1st Test Completed 2nd Test Pending | Loc B: ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. Loc A: Awaiting Final Report |
| T-025B-11 | L-132 | 4.29 | 4.92 | 08/16/12 | ATS | 07/18/12 | 413.62-12.111 | 413.62-12.111 corresponds with MP 4.29 Loc B, Only one sample was taken because Location A and B have the same diameter, wall thickness, and grade. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-026-12 | L-100 | 143.853 | 147.77 | 05/19/12 | ATS | 9/7/2012 | 413.62-12.170 | 413.62-12.170 corresponds with MP 143.853 Loc B. | 1st Test Completed 2nd Test Pending | Loc B: ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. Loc A: Awaiting Final Report |
| T-027-12 | L-100 | 147.77 | 150.13 | 05/19/12 | ATS | 9/7/2012 | 413.62-12.174 | 413.62-12.174 corresponds with MP150.13 Loc A. | 1st Test Completed 2nd Test Pending | Loc A: ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. Loc B: Taking samples in Modesto yard. |
| TIM-037-11 | L-132 | 43.61 | 46.57 | 9/2/2012 | | | | | | X-Ray weld indication - X-ray conducted at Modesto pipe yard during Hydrotest mechnical properties testing process. |

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| | - | | | | Test | | | | | |
|-----------|-------------|--------------|--------|---------------|-----------|-------------------------|--------------------------------|---|--|--|
| T14 | 132.80.202 | | Luno | Hydrotest | Performed | Date Test | B | Corresponding MP to Report # and matching | Test Report | Devest Describe |
| Test# | Line Number | MP1 46.61 | MP2 | Date 06/06/12 | by ATS | Completed | Report# | material MAD 40 444 L. D. | Status | Report Results |
| T-038-11 | L-132 | | 48.44 | | | 10/10/2012 | 413.62-12.190 | 413.62-12.190 corresponds with MP 48.44 Loc B, Only one sample was taken because Location A and B have the same diameter, wall thickness, and grade. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-039B-11 | L-132 | 49.98 | 51.5 | 07/05/12 | ATS | 10/10/2012 | 413.62-12.187 | 413.62-12.187 corresponds with MP 49.98 Loc A. Only one sample was taken because Location A and B have the same diameter, wall thickness, and grade. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-040-12 | 7221-10 | 7.208 | 9.652 | 04/26/12 | ATS | 8/20/2012 09/07/2012 | 413.62-12.157 413.62-12.166 | 416.62-12.157 corresponds with Loc B. 413.62-12.166 corresponds with Loc A. | 1st Test Completed 2nd Test Pending | Loc B: ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. Loc A: Taking samples in Modesto yard. |
| T-044-12 | L-138 | 22.55 | 28.64 | 07/26/12 | ATS | 10/10/2012 | 413.62-12.185 | 413.62-12.185 corresponds with MP 22.55 Loc A. Sample needed for Loc. B. | 1st Test Completed 2nd Test Pending | Loc A: ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. Loc B: Taking samples in Modesto yard |
| T-045-12 | L-138 | 28.64 | 35.91 | 07/24/12 | | | | | | Location A corresponds to Location B. Location B sample taken at Modesto yard, shipped to Anamet 1/3/13. |
| C-047C-11 | L-153 | 20.07 | 22.87 | NA | | | | | N/A | Camera Work, see T-047C-11 |
| T-047C-11 | L-153 | 20.06 | 22.9 | 10/12/12 | | | | | | Location B: X-Ray weld indication - X-ray conducted at Modesto pipe yard during Hydrotest mechnical properties testing process. |
| T-047-12 | L-138 | 45.39 | 45.56 | 9/15/2012 | ATS | 10/29/2012 | 413.62-12.206 | 413.62-12.206 corresponds with MP 45.39 Loc A. Only one sample was taken because MP 3.824 Loc B corresponds with 413.62-12.207 MP 3.824. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-048-12 | L-142N | 0 | 3.159 | 04/28/12 | ATS | 9/7/2012 | 416.62-12.172 | 413.62-12.172 corresponds with MP 3.17 Loc A 413.62-12.172 corresponds with MP 3.17 Loc B | Completed | Location A corresponds with T-049-12 Loc. A. Location B corresponds with T-049-12 Loc. B. |
| T-049-12 | L-142N | 3.159 | 6.6854 | 04/26/12 | ATS | 9/7/2012 | 413.62-12.172 | 413.62-12.172 corresponds with MP 3.17 LocA | 1st Test Completed 2nd Test Pending | Loc A: ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. Loc B: Sample taken at Modesto yard, shipped to Anamet. |
| T-052-12 | L-142S | 0-02 | 0.69 | 06/28/12 | ATS | 10/10/2012 | 413.62-12.181 | 413.62-12.181 T-053-12 used for Loc. B, same diameter, wall thickness and grade. | Completed | cocation A, no cut-out at this location, pipe pup & flange were re-installed. Location B corresponds to T-053-12 Location A. |
| T-053-12 | L-142S | 3.21 | 3.87 | 07/06/12 | ATS | 10/10/2012 | 413.62-12.181 | 413.62-12.181 corresponds with MP 3.21 Loc A. Only one sample was taken because Location A and B have the same diameter, wall thickness, and grade. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-054-12 | L-142S | 10.445 | 11.48 | 07/23/12 | ATS | 10/10/2012 | 413.62-12.183 | 4 13.62-12.183 corresponds with MP 11.48 Loc B. | 1st Test Completed 2nd Test Pending | Loc B: ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. Loc A: X-Ray weld indication - X-ray conducted at Modesto pipe yard during Hydrotest mechnical properties testing process. |

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| | | | | 1 | Test | | | | | |
|------------------------|------------------|----------------|---------------|----------------------|-----------|-------------------------|-----------------|---|---|---|
| | | | | Hydrotest | Performed | Date Test | | Corresponding MP to Report # and matching | Test Report | |
| Test# | Line Number | MP1 | MP2 | Date | by | Completed | Report# | material | Status | Report Results |
| T-055-12 | L-300A | 230.32 | 231.2 | 08/31/12 | ATS | 10/29/2012 | 413.62-12.204 | 13.62-12.204 corresponds with MP 230.32 Loc A. | 1st Test Completed 2nd and 3rd Tests Pending | Loc A: Results are in question, additional sampling of locations B and C taking place. Loc B: X-Ray weld indication - X-ray conducted at Modesto pipe yard during Hydrotest mechnical properties testing process. Loc C: Sample taken at Modesto yard, shipped to Anamet. |
| T-057E-11A | L-300A | 180.94 | 181.77 | 03/07/12 | NA | NA | NA | C | ompleted ATS | examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-057E-11B | L-300A | 182.12 | 182.33 | 03/09/12 | | | | | | 2 chain of custodys, Data pending testing & lab results from ATS, x-ray anomalies in review |
| T-057W-11 | L-300A | 187.85 | 188.41 | 03/05/12 | | | | | | Same mat'l samples as -057E, Data pending testing & lab results from ATS, x-ray anomalies in review |
| T-059-12 | L-300A | 277.89 | 278.12 | 07/28/12 | ATS | 10/10/2012 | 413.62-12.193 4 | B. 62-12.193 corresponds with MP 278.12 Loc B. Only one sample was taken because Location A and B have the same diameter, wall thickness, and grade. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-061-12 | L-300A | 372.87 | 374.2568 | 01/24/12 | 1.70 | 0.000.004.0 | 110 00 10 150 | 140 00 40 404 | N/A | (Same as T-119-11), see 2011 |
| T-073-12 | L-021F | 19.17 | 20.09 | 05/17/12 | ATS | 8/20/2012 10/10/2012 | | 413.62-12.184 corresponds with MP 19.93 Loc C. 413.62-12.158 corresponds with MP 20.09 Loc A | Completed & 3rd Test Pending | Loc A&C: ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. Loc B: Taking samples in Modesto yard |
| T-079-12 | L-119A | 0.0035 | 3.824 | 08/29/12 | ATS | 10/29/2012 | 413.62-12.207 | 13.62-12.207 corresponds with MP 3.824 Loc B. Only one sample was taken because MP 45.39 Loc A corresponds with 413.62-12.206 MP 45.39. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-089-12 | L-210B | 7.4976 | 10.8217 | 9/9/2012 | ATS | 1/7/2013 | 413.62-13.4 | 413 62-13.4 corresponds with MP 7 4976 Loc A | | Loc B being evaluated |
| T-090-12 | L-201B | 10.8217 | 15.6107 | 9/26/2012 | | | | | | Location A corresponds to T-089-12 Loc. A, awaiting ATS report. Location B corresponds to T-092-12 Loc. B, awaiting ATS report. |
| T-091-12 | L-210B | 15.6107 | 20.222 | 10/18/2012 | | | | | | Location A sample taken at Modesto yard, shipped to Anamet 1/3/13. Location B sample taken at Modesto yard, shipped to Anamet 1/3/13. |
| T-092-12 | L-210B | 22.98 | 25.98 | 10/11/2012 | ATS | 1/7/2013 | | 413.62-13.9 corresponds with MP 25.98 Loc. B | | Loc A being evaluated |
| T-096-12 | 1816-01 | 16.3 | 18.25 | 07/25/12 | ATS | 10/10/2012 | 413.62-12.182 | 413.62-12.182 corresponds with MP 16.3018 Loc A. Only one sample was taken because Location A and B have the same diameter, wall thickness, and grade. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-097-12 | L-148 | 0 | 6.06 | 04/01/12 | ATS | 8/20/2012 | 413.62-12.156 | 413.62-12.156 corresponds with MP 2.29 Loc C | 1st Test Completed 2nd Test Pending | Loc C: ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. Loc A: Taking samples in Modesto yard |
| T-099-12 | L-148 | 6.06 | 12.58 | 04/19/12 | | | | | | Loc B: Sample taken at Modesto yard, shipped to Anamet. |
| T-100-12 TIM-101-11 | L-148 1816-01 | 12.58 3.441 | 14.62 8.44 | 05/17/12 08/24/12 | | | | | | Samples taken, ready to go for laboratory testing Loc. A yard search in progress Loc. B section ATS performing testing in house (ABI), insufficient sample size remains for further testing |

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| | | | | | Test | | | | | |
|-----------------------|-----------------------|----------|-------------|---------------|-----------|--------------------------|--------------------------------------|---|--|--|
| T44 | | MD4 | MDo | Hydrotest | Performed | Date Test | D | Corresponding MP to Report # and matching | Test Report | Description (Inc.) |
| Test # TIM-102A-12 | Line Number L-118A | MP1 0 | MP2 0.18 | Date 05/21/12 | ATS | 8/20/2012 10/10/2012 | Report # 413.62-12.155 413.62-12.180 | material 413.62-12.180 corresponds with MP 0.00 Loc A. 413.62-12.155 corresponds with MP 0.18 Loc B. | Status Completed | Report Results ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-102D-12 | L-118A | 37.38 | 37.71 | 06/15/12 | ATS | 9/7/2012 | 413.62-12.167 4 | 13.62-12.167 corresponds with MP 37.38 Loc A. | 1st Test Completed 2nd Test Pending | Loc A: ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. Loc B: At Lab For Testing |
| T-102F-12 | L-118A | 58.21 | 58.74 | 06/29/12 | ATS | 10/10/2012 | 413.62-12.194 4 | 3 62-12.194 corresponds with MP 58.21 Loc A. Only one sample was taken because Location A and B have the same diameter, wall thickness, and grade. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-104-12 | L-132 | 25.06 | 29.06 | 9/18/2012 | | | | | | Location A sample taken at Modesto yard, shipped to Anamet 1/3/13. Location B sample taken at Modesto yard, shipped to Anamet 1/3/13. |
| T-110-12 | L-300A | 446.4777 | 449.706 | 08/24/12 | | | | 13.62-12.02 corresponds with MP 446.478 Loc. A 413.62-12.02 corresponds with MP 449.706 Loc. B | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| TIM-114-11 | L-109 | 7.57 | 8.72 | 06/12/12 | ATS | 09/07/2012 09/07/2012 | 413.62-12.176 413.62-12.175 | 413.62-12.176 corresponds to Loc A 413.62-12.175 corresponds to Loc B | Completed | |
| T-122-12 | L-300B | 0.1294 | 0.1549 | 03/22/12 | | 03/01/2012 | 410.02-12.110 | 410.02 12.110 concaponas to Eco 8 | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| TIM-123-12 | L-109 | 30.52 | 32.806 | | | | 413.62-12.195 | 413.62-12.195 corresponds with MP 21.422 Loc A and Loc. B. | Completed | Loc A & B: ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| TIM-125-12 | L-109 | 21.422 | 22.225 | 07/30/12 | ATS | 10/10/2012 10/29/2012 | 413.62-12.195 413.62-12.202 | 413.62-12.195 corresponds with MP 21.422 Loc A. 413.62-12.202 corresponds with MP 22.225 Loc B. | Completed | Loc A & B: ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| TIM-126-12 | L-109 | 18.56 | 19.55 | 07/28/12 | ATS | 10/29/2012 10/29/2012 | 413.62-12.201 413.62-12.203 | 413.62-12.201 corresponds with MP 18.56 Loc A. 413.62-12.203 corresponds with MP 19.55 Loc B. | Completed | Loc A & B: ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| TIM-130-12 | 3017-01 | 0.8157 | 3.92 | 07/28/12 | ATS | 10/10/2012 12/07/2013 | 413.62-12.196 413.62-13.1 | 413.62-12.196 corresponds with MP 7.54 Loc B. 413.62-13.1 corresponds with MP 0.8157 Loc A. | Completed | ATS examinations to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| TIM-131-12 | 3017-01 | 3.92 | 7.54 | 07/28/12 | ATS | 10/10/2012 | 413.62-12.196 | 413.62-12.196 corresponds with MP 7.54 Loc B | Completed | Loc B: ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |

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| | | | | T | l Test | | | | | |
|------------------------|-----------------|------------|----------------|-----------------------|-----------|--------------------------|--------------------------------|---|--|---|
| | | | | Hydrotest | Performed | Date Test | | Corresponding MP to Report # and matching | Test Report | |
| Test# | Line Number | MP1 | MP2 | Date | by | Completed | Report# | material | Status | Report Results |
| TIM-133-12 | 7224-01 | 5.34 | 6.02 | 08/03/12 | ATS | 10/10/2012 | 413.62-12.197 | 413.62-12.197 corresponds with MP 5.34 Loc B. Only one sample was taken because Location A and B have the same diameter, wall thickness, and grade. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| TIM-134A-12 | L-107 | 18.69 | 26.01 | 9/21/2012 | | | | | N/A | Nitrogen test, no cut-outs from test to sample/test. |
| TIM-136-12 | 1614-01 | 0 | 3.9 | 10/30/2012 | ATS | 1/7/2013 | 413.62-13.8 | 413.62-13.8 corresponds with MP 3.932 Loc. B | | Loc A being evaluated |
| TIM-140-12 | L-103 | 15.6417 | 15.86 | 10/13/2012 | | | | | | X-Ray weld indication - X-ray conducted at Modesto pipe yard during Hydrotest mechnical properties testing process. |
| TIM-142-12 | L-103 | 27.16 | 27.26 | 10/25/2012 | | | | | | Loc A: Sample taken at Modesto yard, shipped to Anamet. |
| TIM-143-12 | 0405-01 | 3.87 | 13 | 9/23/2012 | ATS | 1/7/2013 | 413.62-13.3 | 413.62-13.3 corresponds with MP 13 Loc. B | | Loc A being evaluated |
| TIM-144-12 | 0405-01 | 3.87 | 13 | 9/23/2012 | | | | | | Loc B: Sample shipped to Anamet 11/27/12, awaiting ATS report. |
| TIM-146-12 | 0115-01 | 0 | 0.4054 | 11/18/2012 | | | | | | |
| TIM-149-12 | 0813-02 | 0 | 0.5 | 10/2/2012 | | | | | | Loc A: Sample taken at Modesto yard, shipped to Anamet. |
| TIM-150-12 | 0814-05 | 0 | 0.31 | 10/2/2012 | | | | | | Loc B: Sample taken at Modesto yard, shipped to Anamet. |
| TIM-155-12 | L-138D | 45.1 | 46.64 | 12/3/2012 | | | | | | Location A corresponds to Location B. Location B, sample taken at Modesto yard, shipped to Anamet 1/3/13. |
| TIM-159-12 | L-181B | 4.0776 | 4.5077 | 06/28/12 | ATS | 9/7/2012 | 413.62-12.173 | 13.62-12.173 corresponds with MP 4.50 Loc B. Only one sample was taken because Location A and B have the same diameter, wall thickness, and grade. | Completed | Loc A: ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| TIM-160B-12 | 7222-01 | 11.16 | 13.15 | 9/29/2012 | ATS | 1/7/2013 | 413.62-13.6 | 413.62-13.6 corresponds with MP 13.15 Loc. B | | Loc A: Sample taken at Modesto yard, shipped to Anamet. |
| TIM-161-12 | 7223-01 | 0.1436 | 8.4 | 08/06/12 | ATS | 10/29/2012 | 413.62-12.205 | 413.62-12.205 corresponds with MP 8.4 Loc. B | 1st Test Completed 2nd Test Pending | Loc A Samples sent to lab |
| TIM-162-12 | 7224-09 | 0 | 1.4 | 12/15/12 | | | | | Ŭ | |
| TIM-166-12 | 1301-01 | 4.18 | 4.6 | 10/08/12 | ATS | 1/7/2013 | 413.62-13.2 | 413.62-13.2 corresponds with MP 4.18 Loc. A | | Loc B being evaluated |
| TIM-168-12 | 1614-08 | 0.56 | 1.0 | 08/07/12 | | | | | | Loc A: Sample taken at Modesto yard, shipped to Anamet. |
| TIM-169-12 T-172-12 | L-197B L-131 | 0 35.73 | 4.467 35.89 | 9/21/2012 08/03/12 | | | | | | Loc A: Sample taken at Modesto yard, shipped to |
| 1-1/2-12 | E-131 | 33.73 | 35.69 | 00/03/12 | | | | | | Anamet. |
| T-173-12 | 7219-01 | 0.0025 | 3.73 | 08/30/12 | ATS | 1/7/2013 | 413.62-13.5 413.62-13.7 | 413.62-13.5 corresponds w/ MP 0.0025 Loc A. 413.62-13.7 corresponds w/ MP 3.73 Loc B. | Completed | ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| TIM-175-12 | L-109 | 16.93 | 17.1 | 10/18/12 | ATS | 10/10/2012 10/29/2012 | 413.62-12.195 413.62-12.203 | 413.62-12.195 corresponds with MP 16.19 Loc A. 413.62-12.203 corresponds with MP 17.10 Loc B. | Completed | Location A corresponds to TIM-125-12 Loc. A. Location B corresponds to TIM-126-12 Loc. B. ATS examination to confirm mechanical value for data collection and analysis. Pipe coupons were x-rayed and weld zone was found to be defect free. Pipe sections met API 5L requirements. |
| T-176-12 | L-301F | 7.114 | 7.9 | 08/22/12 | ATS | 10/29/2012 | 413.62-12.208 | 413.62-12.208 corresponds with MP 7.9 Loc. B | 1st Test Completed 2nd Test Pending | Loc A Samples sent to lab |

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| Test# | Line Number | MP1 | MP2 | Hydrotest Date | Test Performed by | Date Test Completed | Report# | Corresponding MP to Report # and matching material | Test Report Status | Report Results |
|------------|-------------|-------|---------|-------------------|-------------------------|------------------------|---------|--|-----------------------|--|
| TIM-177-12 | L-119A | 16.12 | 16.4 | 10/21/12 | | | · | | | Loc A: Sample taken at Modesto yard, shipped to Anamet |
| TIM-179-12 | L-153-2 | 0 | 0.03075 | 11/11/12 | | | | | | |
| TIM-180-12 | L-191-1 | 34.7 | 35.28 | 11/06/12 | | | | | | Location A corresponds to Loc. B. Location B; X-Ray weld indication - X-ray conducted at Modesto pipe yard during Hydrotest mechnical properties testing process. |
| T-182-12 | L-109 | 0.44 | 1.2 | 10/21/12 | | | _ | | | |
| T-182-12 | L-109 | 0.44 | 1.2 | 10/21/12 | | | | | | |

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