Pacific Gas and Electric Company®

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December 4, 2012

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 October 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.

If there are any questions regarding this report, please contact me, or Redacted Redacted at Redacted.

Sincerely,

Frances Yee

cc: Julie Halligan, CPUC
Mike Roberston, CPUC

Redacted

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

Pacific Gas and Electric Company
Pipeline Cut Outs Summary November 2012

Cut Outs for Cause	
Analysis Completed	38
Analysis In Progress	16
No Analysis Needed to Understand Root Cause	41
Subtotal: Cut Outs for Cause	**95**

Cut Outs Hydrotesting	
Analysis Completed	105
Initial Analysis Completed, Additional Testing Pending	18
Awaiting Testing or Analysis	49
Subtotal: Cut Outs for Hydrotesting	**172**

Grand Total:	**267**

Pacific Gas and Electric Company
Cut Outs for Cause

Line Number	Approx. MP	Date Removed	Reason for Removal	Removal Comments	ATS or Other Test Report #	Report Results
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
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	39.368	9/16/2011	Deactivation of Glenview Dr, San Bruno Rupture Site	Cut-out of 4'-10.5" of 24" at 1210 Claremont Dr, 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 Glenview Dr, San Bruno Rupture Site	Cut-out of 3'-.375" of 24" at 777 Glenview Dr, 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 Glenview Dr, San Bruno Rupture Site	Cut-out of 25'-9.5" of 30" at 1701 Earl Ave, San 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 Glenview Dr, San Bruno Rupture Site	Cut-out of 21'-0" of 30" at 1701 Earl Ave, San Bruno for deactivation of L132 at San Bruno Incident site	N/A	No test performed - stored in Gilroy
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) installed in 1948 to accommodate insertion of 30" pipeline with 24"/16" in South San Francisco	N/A	No test performed - stored in Gilroy
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.	N/A	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/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 performed - stored in Gilroy
132	42.171	11/1/2011	Seismic/Liquefaction Risk	186.5' removed at south end and 10.2' removed at north end of Antoinette Lane due to conflict with new 24" pipe direct burial	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 - stored in Gilroy
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
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.
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 report. MEARS did CIS Report #9101117301	Contracted MEARS to perform an on/off survey. Looking for additional corroded pipe.

Pacific Gas and Electric Company
Cut Outs for Cause

Line Number	Approx. MP	Date Removed	Reason for Removal	Removal Comments	ATS or Other Test Report #	Report Results
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.
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	N/A	No test performed
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.
DCUST7910	0.2	1/12/2012	Mechanical Damage	Mears 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-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
132	39.3	6/27/2012	Deactivation of Glenview Dr, San Bruno Rupture Site	Cut-out of 4'-10" of 30" (1956 Vintage) at 1121 Glenview Dr, San Bruno 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
132	39.3	6/27/2012	Deactivation of Glenview Dr, San Bruno Rupture Site	Cut-out of 8'-0" of 30" (1948 Vintage) at 1121 Glenview Dr, San Bruno 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.
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	Dent with Gouge on Long-Seam Weld	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-21E	95.24 & 95.98	10/19/2012	External Corrosion	Removed external corrosion with significant length affecting the low-frequency ERW seam weld of the 12" pipe	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	

	Indicates new or updated information

Pacific Gas and Electric Company
Cut Outs for Hydro Tests

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
2011 Hydrotests										
T-02	L-101	0.62	3.08	06/04/11	ATS	3/27/2012 10/10/2012	413.62-21.34 413.62-12.189	413.62-12.34 corresponds with MP 3.08, Loc B. 413.62-12.189 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-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	413.62-12.60 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	413.62-12.173 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	X-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	413.62-12.103 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.	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-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	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.

Pacific Gas and Electric Company
Cut Outs for Hydro Tests

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-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.
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	413.62-12.123 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	413.62-12.67 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.	1st Test Completed 2nd Test on HOLD, see Test Results	X-ray Weld Indication - X-ray conducted at Modesto pipe yard during Hydrotest mechanical properties testing process.

Pacific Gas and Electric Company
Cut Outs for Hydro Tests

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-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.
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.
TV-36A TV-36B	L-132	40.08	43.61	06/09/11	ATS	06/15/12	413.62-12.68	413.62-12.68 corresponds with MP 40.08 Loc A. Sample testing from Location B and C pending.	1st Test Completed 2nd Test Pending	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. Samples are being taken from the replacement job.
T-40	L-132A	0.01	1.45	05/09/11	ATS	07/19/12 07/19/12	413.62-12.121 413.62-12.122	413.62-12.121 corresponds with MP 0.09 Loc A, 413.62-12.122 corresponds with MP 0.064 Loc B. Mile Points and Report Results in review	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-41	L-132A	1.46	1.47	05/09/11	ATS	07/26/12	413.62-12.131	413.62-12.131 corresponds with MP 1.446 Loc C MP 0.064 Loc B corresponds with 413.62-12.122 Mile Points and Report Results in review	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-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. MP 0.85 same as T-43A, ATS Report pending	1st Test Completed 2nd Test Pending	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-43A	L-147	0.85	1.50	10/17/11	ATS	05/31/12	413.62-12.55	413.62-12.55 corresponds with MP 1.951 Loc B. MP 0.85 Location A, ATS Report pending	1st Test Completed 2nd Test Pending	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-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.

Pacific Gas and Electric Company
Cut Outs for Hydro Tests

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-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	413.62-12.16 413.62-12.96	413.62-12.16 corresponds with MP 14.839, 413.62-12.96 corresponds with MP 13.62 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.
TV-47A	L-153	17.65	18.01	07/28/11	ATS	06/15/12	413.62-12.69	413.62-12.69 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	413.62-12.132 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	413.62-12.62 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	413.62-12.17 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	413.62-12.18 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	413.62-12.25 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	Corresponds 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.	Completed	X-ray weld indicationX-ray conducted at Modesto pipe yard during Hydrotest mechnical properties testing process.

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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.
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	413.62-12.127	413.62-12.127 corresponds with MP 450.82 Loc A. 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	413.62-12.61 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	413.62-12.84 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.

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T-73	L-300A	496.36	499.77	08/02/11	ATS	06/15/12	413.62-12.71	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	413.62-12.146	413.62-12.146 corresponds with MP 156.41 Loc B. Only one sample was taken because Location A and B have the same diameter, wall thickness,	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.
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	413.62-12.143 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	413.62-12.31 corresponds with MP 237.45 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-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	413.62-12.22 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.

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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	413.62-12.136 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.
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	413.62-12.10 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	413.62-12.80	413.62-12.80 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	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	413.62-12.101 corresponds with MP 293.40 Loc A. Only one sample was taken because Location A and B have the same diameter, wall thickness,	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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T-93B	L-400	293.40	297.86	11/02/11	NA	NA	NA	Location 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	413.62-12.33 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	413.62-12.91 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.
T-109E	L-148	14.60	17.11	10/24/11	ATS	07/26/12	413.62-12.145	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.	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-109W	L-148	17.11	17.63	10/31/11	ATS	06/15/12	413.62-12.73	413.62-12.73 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	413.62-12.74 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	413.62-12.54 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	413.62-12.86 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.

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T-118A	L-300A	239.57	241.60	11/13/11	ATS	06/29/12	413.62-12.87	413.62-12.87 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	413.62-12.75 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.
T-121	L-303	26.56	27.67	11/16/11	ATS	05/31/12	413.62-12.52	413.62-12.52 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.	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-122	L-0211-01	0.00	0.74	10/28/11						Awaiting Final Report
2012 Hydrotests										
PR-002-12	2405-01	0.553	0.62	04/28/12						
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						
TIM-013A-12	L-109	41.9	43.473	10/11/12						Taking samples in Modesto yard.
T-013B-12	L-109	43.492	44.7195	10/16/12						
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						Camera Work
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						
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						
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

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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						
T-038-11	L-132	46.61	48.44	06/06/12						
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						
C-047C-11	L-153	20.07	22.87	NA						Camera Work
PV-047C-11	L-153	18.8	20.6	NA						
T-047C-11	L-153	20.06	22.9	10/12/12						
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						
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: Taking samples in Modesto yard
T-052-12	L-142S	0-02	0.69	06/28/12						
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	413.62-12.183 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: Awaiting Final Report
T-055-12	L-300A	230.32	231.2	08/31/12	ATS	10/29/2012	413.62-12.204	413.62-12.204 corresponds with MP 230.32 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.

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T-057E-11A	L-300A	180.94	181.77	03/07/12	NA	NA	NA		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-057E-11B	L-300A	182.12	182.33	03/09/12						2 chain of custodys, Data pending testing & lab results from ATS
T-057W-11	L-300A	187.85	188.41	03/05/12						2 chain of custodys, Data pending testing & lab results from ATS
T-059-12	L-300A	277.89	278.12	07/28/12	ATS	10/10/2012	413.62-12.193	413.62-12.193 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						(Same as T-119-11)
T-073-12	L-021F	19.17	20.09	05/17/12	ATS	8/20/2012 10/10/2012	413.62-12.158 413.62-12.184	413.62-12.184 corresponds with MP 19.93 Loc C. 413.62-12.158 corresponds with MP 20.09 Loc A	1st & 2nd Test Completed & 3rd 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: 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	413.62-12.207 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						
T-090-12	L-201B	10.8217	15.6107	9/26/2012						
T-091-12	L-210B	15.6107	20.222	10/18/2012						
T-092-12	L-210B	22.98	25.98	10/11/2012						Taking samples in Modesto yard.
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						
T-100-12	L-148	12.58	14.62	05/17/12						Taking samples in Modesto yard
TIM-101-11	1816-01	3.441	8.44	08/24/12						
TIM-102A-12	L-118A	0	0.18	05/21/12	ATS	8/20/2012 10/10/2012	413.62-12.155 413.62-12.180	413.62-12.180 corresponds with MP 0.00 Loc A. 413.62-12.155 corresponds with MP 0.18 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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T-102D-12	L-118A	37.38	37.71	06/15/12	ATS	9/7/2012	413.62-12.167	413.62-12.167 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	413.62-12.194 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						
T-110-12	L-300A	446.4777	449.706	08/24/12						
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			Awaiting Final Report
T-122-12	L-300B	0.1294	0.1549	03/22/12						
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	413.62-12.196	413.62-12.196 corresponds with MP 7.54 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-131-12	3017-01	3.92	7.54	07/28/12						Corresponds to TIM-130-12
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						
TIM-136-12	1614-01	0	3.9	10/30/2012						Taking samples in Modesto yard.
TIM-140-12	L-103	15.6417	15.86	10/13/2012						
TIM-142-12	L-103	27.16	27.26	10/25/2012						
TIM-143-12	0405-01	3.87	13	9/23/2012						
TIM-144-12	0405-01	3.87	13	9/23/2012						
TIM-149-12	0813-02	0	0.5	10/2/2012						
TIM-150-12	0814-05	0	0.31	10/2/2012						
TIM-159-12	L-181B	4.0776	4.5077	06/28/12	ATS	9/7/2012	413.62-12.173	413.62-12.173 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						Taking samples in Modesto yard.

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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-166-12	1301-01	4.18	4.6	10/08/12						Taking samples in Modesto yard.
TIM-168-12	1614-08	0.56	1.0	08/07/12						
TIM-169-12	L-197B	0	4.467	9/21/2012						
T-172-12	L-131	35.73	35.89	08/03/12						
T-173-12	7219-01	0.0025	3.73	08/30/12						Taking samples in Modesto yard.
TIM-175-12	L-109	16.93	17.1	10/18/12						
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
TIM-177-12	L-119A	16.12	16.4	10/21/12						
T-182-12	L-109	0.44	1.2	10/21/12						

	Indicates new or updated information