

Docket No. SA-534

Exhibit No. 2-AT

NATIONAL TRANSPORTATION SAFETY BOARD

Washington, D.C.

LISTING OF SEAMLESS PIPE GREATER THAN 24-INCH
DIAMETER
(NTSB 033-001)

(7 Pages)

**PACIFIC GAS AND ELECTRIC COMPANY
San Bruno Gas Transmission Line Incident
Data Response**

PG&E Data Request No.:	NTSB_033-001		
PG&E File Name:	San Bruno GT Line Incident_DR_NTSB_033-001		
Request Date:	November 2, 2010	Requesting Party:	NTSB
Date Sent:	November 17, 2010	Requestor:	Operations (Shori)

QUESTION 1

Please provide a listing of all seamless pipe segments in PG&E's system, of a nominal diameter of 24-inches or greater, which at their MOP or MAOP (future design pressure) would operate at 20% of SMYS or greater. For each segment of pipeline listed, please provide the following information, in an Excel spreadsheet, arranged under the following headings:

- a) Pipeline identifier for the segment (i.e., pipeline number, etc.);
- b) The nominal outside diameter of the segment;
- c) The length of the segment;
- d) The MOP and MAOP (PG&E's future design pressure) of the segment;
- e) The range of the segment (mile-point to mile-point);
- f) The %SMYS of the segment at the MOP and MAOP (future design pressure) of the segment;
- g) The class in which the segment is located;
- h) If the segment is in an HCA (Y or N); and
- i) If a documented hydro pressure test record exists for the segment (Y or N).

ANSWER 1

Please see attached Excel spreadsheet.

QUESTION 1A

We request that for each of the responses to the questions above, PG&E please provide the name(s) of the individual(s) preparing the response.

ANSWER 1A

Joe Bronner

Robert .L. Mulder

Seamless Pipe 24-inch or Greater with MOP / MAOP 20% or Greater

ROUTE	OD	SEGMENT NUMBER	MOP	SMYS @ MOP	MAOP	SMYS @ MAOP	FDP **	MILE POST 1	MILE POST 2	FOOTAGE	CLASS	HCA	PRESSURE TEST	TEST MEDIUM ***	YEAR INSTALLED
021A	26	101	450	33.1	450	33.1	675.0	12.06	12.35	1581.0	3	Yes	Y	Water	1971
021A	26	101.2	450	33.1	450	33.1	675.0	12.35	12.48	710.0	3	No	Y	Water	1971
021A	26	101.4	450	33.1	450	33.1	675.0	12.48	13.00	2772.0	3	Yes	Y	Water	1971
021A	26	102	450	33.1	450	33.1	675.0	13.00	13.11	612.0	1	Yes	Y	Water	1971
021A	26	102.2	450	33.1	450	33.1	675.0	13.11	13.58	2496.0	1	No	Y	Water	1971
021A	26	102.4	450	33.1	450	33.1	675.0	13.58	13.79	1140.0	1	Yes	Y	Water	1971
021A	26	102.6	450	33.1	450	33.1	675.0	13.79	14.00	1133.0	1	No	Y	Water	1971
021A	26	103	450	33.1	450	33.1	675.0	14.00	14.71	3785.0	1	No	Y	Water	1971
021A	26	105	450	33.1	450	33.1	675.0	14.86	15.00	713.0	1	No	Y	Water	1971
021A	26	106	450	33.1	450	33.1	675.0	15.00	15.15	770.0	1	No	Y	Water	1971
021A	26	106.1	450	33.1	450	33.1	675.0	15.15	15.16	70.0	1	Yes	Y	Water	1971
021A	26	106.3	450	33.1	450	33.1	675.0	15.16	15.16	23.0	1	Yes	Y	Water	1974
021A	26	106.9	450	33.1	450	33.1	675.0	15.18	15.18	19.0	1	Yes	Y	Water	1974
021A	26	108	450	33.1	450	33.1	675.0	15.18	15.52	1829.0	1	Yes	Y	Water	1971
021A	26	108.1	450	33.1	450	33.1	675.0	15.52	15.79	1410.0	1	No	Y	Water	1971
021A	26	109	450	33.1	450	33.1	675.0	15.83	16.13	1603.0	1	No	Y	Water	1971
021A	26	109.3	450	30.3	450	30.3	675.0	16.13	16.16	143.0	1	No	Y	Water	1971
021A	26	109.6	450	26.0	450	26.0	675.0	16.16	16.16	4.0	1	No	Y	Water	1971
021A	26	110.2	450	26.0	450	26.0	675.0	16.16	16.16	4.0	1	No	Y	Water	1971
021A	26	110.5	450	30.3	450	30.3	675.0	16.16	16.18	66.0	1	No	Y	Water	1971
021A	26	122.9	450	30.0	450	30.0	675.0	24.49	24.53	232.0	3	Yes	Y	Water	1970
021A	26	123.2	450	30.0	450	30.0	675.0	24.53	24.57	234.0	3	Yes	Y	Water	1970
021A	26	123.5	450	30.0	450	30.0	675.0	24.57	24.58	16.0	3	Yes	Y	Water	1970
021H	26	101.7	400	29.7	675	50.1	675.0	0.13	0.13	23.0	3	Yes	Y	Water	2000
105A	24	113	150	20.6	275	37.7	275.0	44.56	44.87	1698.0	3	Yes	Y	Water	1949
105A	24	113.6	150	20.6	275	37.7	275.0	44.89	44.96	385.0	3	Yes	Y	Water	1949
105A	24	114.7	150	20.6	275	37.7	275.0	45.63	45.82	1024.0	3	Yes	Y	Water	1949
105A	24	115	150	20.6	275	37.7	275.0	45.85	46.30	2360.0	3	Yes	Y	Water	1949
105A	24	117	150	20.6	275	37.7	275.0	46.46	46.50	1192.0	3	Yes	Y	Water	1949
105A	24	125	150	20.6	360	49.4	275.0	49.01	49.34	1754.0	3	Yes	Y	Water	1978
105A	24	126.3	150	20.6	360	49.4	275.0	49.44	49.44	19.0	3	Yes	Y	Water	1978
105N	24	133	250	23.1	400	36.9	500.0	21.30	21.70	2249.0	3	Yes	Y	Water	1967
105N-2	24	229.5	250	20.0	250	20.0	500.0	1.16	1.29	676.0	3	Yes	Y	Water	1963
107	24	160	477	52.3^	480	52.7^	720.0	30.79	31.12	5929.0	3	Yes	Y	Water	1955
107	24	161	477	52.3^	480	52.7^	720.0	31.12	31.16	22.0	3	Yes	Y	Water	1955
108	24	192.6	412	23.5	656	37.5	720.0	72.18	72.18	22.0	3	Yes	Y	Water	1979
108	24	194	412	30.4	412	30.4	720.0	72.18	72.20	95.0	3	Yes	Y	Water	1968
108	24	194.2	412	30.4	412	30.4	720.0	72.20	72.63	2268.0	3	Yes	Y	Water	1968
109	24	107.3	375	34.3	375	34.3	400.0	2.82	2.86	365.0	3	Yes	Y	Water	1965
109	24	123.1	375	34.3	375	34.3	400.0	7.57	7.60	158.0	3	Yes	N		1960
109	24	123.5	375	34.3	375	34.3	400.0	7.60	8.36	5073.0	3	Yes	N		1960
109	24	125.3	375	34.3	375	34.3	400.0	8.79	8.80	29.0	3	Yes	Y	Water	1982
109	24	125.5	375	34.3	375	34.3	400.0	8.80	8.81	55.0	3	Yes	Y	Water	1982
109	24	125.7	375	34.3	375	34.3	400.0	8.81	8.82	37.0	3	Yes	Y	Water	1982
109	24	137.96	375	34.3	375	34.3	400.0	16.93	16.93	5.0	3	No	Y	Water	1988
109	24	161	375	35.6	375	35.6	400.0	25.68	25.89	1313.0	2	No	Y	Water	1972

Seamless Pipe 24-inch or Greater with MOP / MAOP 20% or Greater

ROUTE	OD	SEGMENT NUMBER	MOP	SMYS @ MOP	MAOP	SMYS @ MAOP	FDP **	MILE POST 1	MILE POST 2	FOOTAGE	CLASS	HCA	PRESSURE TEST	TEST MEDIUM ***	YEAR INSTALLED
114	24	136	497	28.4	497	28.4	720.0	16.51	16.57	324.0	3	No	Y	Water	1962
131	24	130	500	-53.4	525	-56.0	720.0	18.78	20.85	10967.0	1	No	N		1944
131	24	130.2	500	-53.4	525	-56.0	720.0	20.85	20.85	30.0	1	No	N		1944
131	24	130.4	500	-53.4	525	-56.0	720.0	20.85	20.88	150.0	1	No	N		1944
131	24	135	500	53.4	525	56.0	720.0	27.05	28.00	4799.0	1	No	N		1944
131	24	136	500	66.7	525	70.1	720.0	28.00	31.00	15840.0	1	No	Y	Water	1944
131	24	136.6	500	-53.4	525	-56.0	720.0	31.00	31.90	4740.0	1	No	Y	Water	1944
131	24	137	500	-53.4	525	-56.0	720.0	31.94	32.29	2200.0	1	No	Y	Water	1944
131	24	138.5	500	34.3	525	36.0	720.0	32.38	32.38	12.0	1	No	Y	Water	1970
131	24	138.52	500	34.3	525	36.0	720.0	32.38	32.38	4.0	1	No	Y	Water	1970
131	24	138.8	500	-53.4	525	-56.0	720.0	32.38	32.43	230.0	1	No	Y	Water	1944
131	24	145	500	-53.4	525	-56.0	720.0	35.34	35.44	528.0	1	Yes	Y	Water	1944
131	24	145.1	500	-53.4	525	-56.0	720.0	35.44	35.61	894.0	1	No	Y	Water	1944
131	24	145.2	500	-53.4	525	-56.0	720.0	35.61	35.69	426.0	1	No	Y	Water	1944
131	24	147	500	-53.4	525	-56.0	720.0	35.73	35.87	826.0	1	Yes	N		1944
131	24	149	500	-53.4	525	-56.0	720.0	37.52	37.81	1569.0	1	No	N		1944
131	24	151	500	-53.4	525	-56.0	720.0	37.89	38.49	3421.0	1	No	N		1944
131	24	152	500	53.4	525	56.0	720.0	38.55	38.56	55.0	1	No	N		1944
131	24	153	500	53.4	525	56.0	720.0	38.70	38.72	63.0	1	No	N		1944
131	24	153.2	500	53.4	525	56.0	720.0	38.72	40.03	6900.0	1	No	N		1944
131	24	155	500	53.4	525	56.0	720.0	40.17	40.37	1056.0	1	No	Y	Water	1944
131	24	157.3	500	61.0	525	64.1	720.0	42.35	42.38	133.0	1	Yes	Y	Water	1962
131	24	161	500	-53.4	525	-56.0	720.0	43.46	43.49	172.0	1	Yes	N		1944
131	24	162.2	500	61.0	525	64.1	720.0	45.90	45.99	946.0	1	No	Y	Water	1962
131	24	162.8	500	61.0	525	64.1	720.0	45.99	46.00	45.0	1	No	Y	Water	1962
131	24	162.9	500	61.0	525	64.1	720.0	46.00	46.00	12.0	1	No	Y	Water	1962
131	24	163	500	-53.4	525	-56.0	720.0	46.00	46.31	1681.0	1	No	N		1944
131	24	163.4	500	-53.4	525	-56.0	720.0	46.31	46.34	97.0	1	No	N		1944
131	24	164	500	61.0	525	64.1	720.0	46.34	46.84	2620.0	1	No	Y	Water	1944
131	24	164.03	500	53.4 ^	525	56 ^	720.0	46.84	46.87	166.0	3	No	Y	Water	1944
131	24	164.05	500	53.4 ^	525	56 ^	720.0	46.87	46.94	380.0	3	Yes	Y	Water	1944
131	24	164.1	500	53.4 ^	525	56 ^	720.0	46.94	46.96	105.0	3	Yes	Y	Water	1944
131	24	165	500	53.4 ^	525	56 ^	720.0	46.96	48.23	6695.0	3	Yes	Y	Water	1944
131	24	167.6	500	53.4 ^	525	56 ^	720.0	48.93	48.94	30.0	3	Yes	Y	Water	1944
131	24	167.9	500	53.4 ^	525	56 ^	720.0	48.94	49.36	2223.0	3	Yes	Y	Water	1944
131	24	169	500	53.4 ^	525	56 ^	720.0	49.38	50.46	5769.0	3	Yes	Y	Water	1944
131	24	171	500	53.4 ^	525	56 ^	720.0	50.47	50.54	356.0	3	Yes	Y	Water	1944
132	24	104	375*	45.6	400	42.7	400.0	0.93	1.00	400.0	1	No	N		1944
132	24	104.93	375*	45.6	400	42.7	400.0	1.00	1.17	1014.0	1	Yes	N		1944
132	24	105.3	375*	45.6	400	42.7	400.0	1.17	1.23	285.0	3	Yes	N		1944
132	24	105.5	375*	45.6	400	42.7	400.0	1.23	1.26	174.0	3	Yes	N		1944
132	24	105.6	375*	46.8	400	43.9	400.0	1.26	1.27	49.0	3	Yes	N		1958
132	24	106	375*	45.6	400	42.7	400.0	1.27	1.34	395.0	3	Yes	N		1944
132	24	106.7	375*	45.6	400	42.7	400.0	1.35	1.87	2628.0	3	Yes	N		1944
132	24	110.3	375*	39.0	400	36.6	400.0	2.35	2.41	326.0	3	Yes	Y	Water	1965
132	24	112.7	375*	45.6	400	42.7	400.0	3.05	3.07	82.0	3	Yes	N		1944

Seamless Pipe 24-inch or Greater with MOP / MAOP 20% or Greater

ROUTE	OD	SEGMENT NUMBER	MOP	SMYS @ MOP	MAOP	SMYS @ MAOP	FDP **	MILE POST 1	MILE POST 2	FOOTAGE	CLASS	HCA	PRESSURE TEST	TEST MEDIUM ***	YEAR INSTALLED
132	24	113	375*	45.6	400	42.7	400.0	3.07	3.30	1128.0	3	Yes	N		1944
132	24	113.3	375*	39.0	400	36.6	400.0	3.30	3.30	16.0	3	Yes	Y	Water	1987
132	24	114	375*	45.6	400	42.7	400.0	3.30	3.41	592.0	3	Yes	N		1944
132	24	114.3	375*	24.4	400	22.9	400.0	3.41	3.44	140.0	3	Yes	Y	Water	1963
132	24	115.5	375*	45.6	400	42.7	400.0	3.44	3.46	104.0	3	Yes	N		1944
132	24	115.51	375*	45.6	400	42.7	400.0	3.46	3.54	456.0	3	Yes	N		1944
132	24	115.57	375*	45.6	400	42.7	400.0	3.54	3.55	50.0	3	Yes	N		1944
132	24	115.6	375*	45.6	400	42.7	400.0	3.55	3.61	345.0	3	Yes	N		1944
132	24	117.2	375*	45.6	400	42.7	400.0	3.72	3.92	1030.0	3	Yes	N		1944
132	24	117.7	375*	45.6	400	42.7	400.0	3.92	4.00	428.0	3	Yes	N		1944
132	24	119	375*	45.6	400	42.7	400.0	4.29	4.35	339.0	3	Yes	N		1944
132	24	119.6	375*	45.6	400	42.7	400.0	4.40	4.48	411.0	3	Yes	N		1944
132	24	120	375*	45.6	400	42.7	400.0	4.48	4.70	1224.0	3	Yes	N		1944
132	24	121	375*	45.6	400	42.7	400.0	4.70	4.87	877.0	3	Yes	N		1944
132	24	121.1	375*	45.6	400	42.7	400.0	4.87	4.91	215.0	3	Yes	N		1944
132	24	122	375*	45.6	400	42.7	400.0	4.92	5.13	1088.0	3	Yes	N		1944
132	24	122.1	375*	45.6	400	42.7	400.0	5.13	5.42	1532.0	3	Yes	N		1944
132	24	123	375*	45.6	400	42.7	400.0	5.42	5.56	709.0	3	Yes	N		1944
132	24	123.1	375*	45.6	400	42.7	400.0	5.56	5.74	968.0	3	Yes	N		1944
132	24	123.3	375*	45.6	400	42.7	400.0	5.74	5.79	222.0	3	Yes	N		1944
132	24	123.4	375*	45.6	400	42.7	400.0	5.79	5.98	1024.0	3	Yes	N		1944
132	24	123.5	375*	45.6	400	42.7	400.0	5.98	6.05	377.0	3	Yes	N		1944
132	24	123.8	375*	45.6	400	42.7	400.0	6.05	6.41	1905.0	3	Yes	N		1944
132	24	124	375*	45.6	400	42.7	400.0	6.41	7.06	3414.0	3	Yes	N		1944
132	24	125	375*	45.6	400	42.7	400.0	7.06	7.45	2026.0	3	Yes	N		1944
132	24	125.05	375*	45.6	400	42.7	400.0	7.45	7.55	537.0	3	No	N		1944
132	24	125.2	375*	45.6	400	42.7	400.0	7.61	7.72	567.0	3	No	N		1944
132	24	125.25	375*	45.6	400	42.7	400.0	7.72	8.12	2177.0	3	Yes	N		1944
132	24	125.26	375*	45.6	400	42.7	400.0	8.12	8.13	42.0	3	Yes	N		1944
132	24	125.27	375*	45.6	400	42.7	400.0	8.13	8.19	316.0	3	Yes	N		1944
132	24	125.3	375*	46.8	400	43.9	400.0	8.19	8.21	100.0	3	Yes	N		1959
132	24	126	375*	45.6	400	42.7	400.0	8.21	8.54	1711.0	3	Yes	N		1944
132	24	126.3	375*	34.1	400	32.0	400.0	8.54	8.54	10.0	3	Yes	N		1968
132	24	126.7	375*	24.0	400	24.0	400.0	8.54	8.54	6.0	3	Yes	N		1968
132	24	127	375*	45.6	400	42.7	400.0	8.54	8.85	1629.0	3	Yes	N		1944
132	24	127.5	375*	45.6	400	42.7	400.0	8.85	9.15	1598.0	3	Yes	N		1944
132	24	129	375*	45.6	400	42.7	400.0	9.32	9.55	1199.0	3	Yes	N		1944
132	24	130	375*	45.6	400	42.7	400.0	9.55	9.65	548.0	3	Yes	N		1944
132	24	132	375*	45.6	400	42.7	400.0	9.88	10.16	1854.0	3	Yes	N		1944
132	24	132.3	375*	39.0	400	36.6	400.0	10.16	10.16	6.0	3	Yes	Y	Water	1965
132	24	133	375*	45.6	400	42.7	400.0	10.16	10.28	659.0	3	Yes	N		1944
132	24	133.3	375*	39.0	400	36.6	400.0	10.28	10.29	51.0	3	Yes	Y	Water	1965
132	24	134.2	375*	45.6	400	42.7	400.0	10.33	10.39	367.0	3	Yes	N		1944
132	24	134.9	375*	31.5	400	29.5	400.0	10.41	10.41	15.0	3	Yes	N		1969
132	24	136	375*	40.5	400	38.0	400.0	10.41	10.55	742.0	3	Yes	N		1947
132	24	140	375*	40.5	400	38.0	400.0	11.15	11.99	4373.0	3	Yes	N		1947

Seamless Pipe 24-inch or Greater with MOP / MAOP 20% or Greater

ROUTE	OD	SEGMENT NUMBER	MOP	SMYS @ MOP	MAOP	SMYS @ MAOP	FDP **	MILE POST 1	MILE POST 2	FOOTAGE	CLASS	HCA	PRESSURE TEST	TEST MEDIUM ***	YEAR INSTALLED
132	24	141	375*	40.5	400	38.0	400.0	12.01	12.12	606.0	3	Yes	N		1947
132	24	141.5	375*	40.5	400	38.0	400.0	12.12	13.00	4659.0	3	Yes	N		1947
132	24	142	375*	40.5	400	38.0	400.0	13.00	13.26	1373.0	3	Yes	N		1947
132	24	143	375*	40.5	400	38.0	400.0	13.26	13.29	160.0	3	Yes	N		1947
132	24	143.7	375*	40.5	400	38.0	400.0	13.58	13.94	1910.0	3	Yes	N		1947
132	24	143.8	375*	36.4	400	34.1	400.0	13.94	13.95	30.0	3	Yes	N		1959
132	24	143.9	375*	36.4	400	34.1	400.0	13.95	13.95	28.0	3	Yes	N		1959
132	24	144	375*	40.5	400	38.0	400.0	13.95	15.10	5875.0	3	Yes	N		1947
132	24	145	375*	46.8	400	43.9	400.0	15.10	15.21	564.0	3	Yes	N		1957
132	24	145.5	375*	46.8	400	43.9	400.0	15.21	15.61	2106.0	3	Yes	N		1957
132	24	146	375*	40.5	400	38.0	400.0	15.61	15.80	985.0	3	Yes	N		1947
132	24	146.5	375*	40.5	400	38.0	400.0	15.80	15.82	114.0	3	Yes	N		1947
132	24	147	375*	40.5	400	38.0	400.0	15.82	16.10	1536.0	3	No	N		1947
132	24	148	375*	40.5	400	38.0	400.0	16.10	16.49	2052.0	3	No	N		1947
132	24	148.43	375*	40.5	400	38.0	400.0	16.49	16.77	1444.0	3	No	N		1947
132	24	148.74	375*	40.5	400	38.0	400.0	16.77	17.00	1230.0	3	No	N		1947
132	24	149	375*	40.5	400	38.0	400.0	17.00	17.12	645.0	3	No	N		1947
132	24	149.2	375*	40.5	400	38.0	400.0	17.12	17.28	833.0	3	Yes	N		1947
132	24	149.5	375*	40.5	400	38.0	400.0	17.28	17.32	230.0	3	No	N		1947
132	24	150	375*	40.5	400	38.0	400.0	17.32	17.54	1157.0	3	Yes	N		1947
132	24	150.4	375*	40.5	400	38.0	400.0	17.54	17.89	1857.0	3	Yes	N		1947
132	24	151	375*	40.5	400	38.0	400.0	17.89	18.07	967.0	3	No	N		1947
132	24	151.6	375*	40.5	400	38.0	400.0	18.07	18.46	2053.0	3	Yes	N		1947
132	24	151.8	375*	40.5	400	38.0	400.0	18.46	18.48	94.0	3	Yes	N		1947
132	24	152	375*	46.8	400	43.9	400.0	18.48	18.49	56.0	3	Yes	N		1959
132	24	152.5	375*	46.8	400	43.9	400.0	18.49	18.52	177.0	3	Yes	N		1959
132	24	152.8	375*	46.8	400	43.9	400.0	18.52	18.59	935.0	3	Yes	N		1959
132	24	153	375*	40.5	400	38.0	400.0	18.59	19.43	4989.0	3	Yes	N		1947
132	24	153.1	375*	40.5	400	38.0	400.0	19.43	19.93	3011.0	3	Yes	N		1947
132	24	153.3	375*	40.5	400	38.0	400.0	19.93	20.00	370.0	3	Yes	N		1947
132	24	154	375*	40.5	400	38.0	400.0	20.00	20.05	273.0	3	Yes	N		1947
132	24	154.5	375*	40.5	400	38.0	400.0	20.05	20.19	704.0	3	No	N		1947
132	24	155	375*	40.5	400	38.0	400.0	20.19	20.67	2574.0	3	No	N		1947
132	24	155.3	375*	43.4	400	40.7	400.0	20.67	20.67	19.0	3	No	Y	Water	1947
132	24	160	375*	40.5	400	38.0	400.0	21.53	22.59	5585.0	3	No	N		1947
132	24	160.01	375*	40.5	400	38.0	400.0	22.59	22.64	258.0	3	Yes	N		1947
132	24	160.05	375*	40.5	400	38.0	400.0	22.64	22.76	649.0	3	Yes	N		1947
132	24	160.06	375*	40.5	400	38.0	400.0	22.76	22.83	354.0	3	Yes	N		1947
132	24	160.07	375*	40.5	400	38.0	400.0	22.83	22.91	439.0	3	Yes	N		1947
132	24	160.1	375*	39.0	400	36.6	400.0	22.91	22.98	357.0	3	Yes	Y	Water	1967
132	24	160.2	375*	40.5	400	38.0	400.0	22.98	23.00	106.0	3	Yes	N		1947
132	24	160.7	375*	40.5	400	38.0	400.0	23.00	23.42	2284.0	3	Yes	N		1947
132	24	161	375*	40.5	400	38.0	400.0	23.42	23.52	502.0	3	No	N		1947
132	24	161.05	375*	40.5	400	38.0	400.0	23.52	23.52	12.0	3	No	N		1947
132	24	161.2	375*	40.5	400	38.0	400.0	23.54	23.56	111.0	3	No	N		1947
132	24	161.25	375*	40.5	400	38.0	400.0	23.56	23.58	98.0	3	No	N		1947

Seamless Pipe 24-inch or Greater with MOP / MAOP 20% or Greater

ROUTE	OD	SEGMENT NUMBER	MOP	SMYS @ MOP	MAOP	SMYS @ MAOP	FDP **	MILE POST 1	MILE POST 2	FOOTAGE	CLASS	HCA	PRESSURE TEST	TEST MEDIUM ***	YEAR INSTALLED
132	24	161.55	375*	40.5	400	38.0	400.0	23.59	23.84	1319.0	3	No	N		1947
132	24	161.6	375*	40.5	400	38.0	400.0	23.84	24.17	1717.0	3	Yes	N		1947
132	24	161.7	375*	40.5	400	38.0	400.0	24.17	24.24	349.0	3	Yes	N		1947
132	24	161.8	375*	40.5	400	38.0	400.0	24.24	24.34	551.0	3	No	N		1947
132	24	162	375*	40.5	400	38.0	400.0	24.34	24.46	639.0	3	No	N		1947
132	24	162.1	375*	48.8	400	48.8	0.0	24.46	24.47	55.0	3	No	N		1947
132	24	162.2	375*	40.5	400	38.0	400.0	24.47	25.00	2810.0	1	No	N		1947
132	24	162.3	375*	40.5	400	38.0	400.0	25.00	25.05	261.0	1	No	N		1947
132	24	165.3	375*	40.5	400	38.0	400.0	25.85	26.00	792.0	1	No	N		1947
132	24	165.5	375*	40.5	400	38.0	400.0	26.00	26.11	780.0	1	No	N		1947
132	24	165.6	375*	40.5	400	38.0	400.0	26.11	26.12	84.0	1	No	N		1947
132	24	165.7	375*	40.5	400	38.0	400.0	26.12	26.63	2710.0	1	No	N		1947
132	24	165.8	375*	40.5	400	38.0	400.0	26.63	26.65	67.0	1	No	N		1947
132	24	165.9	375*	40.5	400	38.0	400.0	26.65	26.66	73.0	1	No	N		1947
132	24	167	375*	40.5	400	38.0	400.0	26.95	27.07	581.0	1	No	N		1947
132	24	167.2	375*	40.5	400	38.0	400.0	27.07	27.07	33.0	1	No	N		1947
132	24	167.25	375*	40.5	400	38.0	400.0	27.07	28.39	7002.0	1	No	N		1947
132	24	197.3	375*	46.8	400	43.9	400.0	46.59	46.59	21.0	3	Yes	Y	Gas	1948
132A	24	100.7	375*	46.8	-400	-43.9	0.0	0.07	0.08	59.0	3	Yes	N		1966
132A	24	100.9	375*	45.6	400	42.7	400.0	0.08	0.08	15.0	3	Yes	Y		1944
132A	24	101.5	375*	39.4	400	36.9	400.0	0.13	0.14	40.0	3	Yes	Y	Water	1968
132A	24	103.2	375*	45.6	-400	-42.7	400.0	0.28	0.30	122.0	3	Yes	N		1944
132A	24	104	375*	45.6	400	42.7	400.0	0.50	1.17	3521.0	3	Yes	N		1944
132A	24	104.6	375*	45.6	400	42.7	400.0	1.18	1.18	12.0	3	Yes	N		1944
132A	24	105.3	375*	45.6	400	42.7	400.0	1.35	1.37	95.0	3	No	N		1944
132A	24	105.6	375*	45.6	400	42.7	400.0	1.37	1.45	434.0	3	No	N		1944
132A	24	105.7	375*	41.0	-400	-38.4	0.0	1.45	1.46	30.0	3	No	N		1966
147	24	102	375*	45.6	400	42.7	400.0	0.17	0.40	1215.0	3	No	Y	Water	1947
147	24	103	375*	45.6	400	42.7	400.0	0.45	0.55	2675.0	1	No	Y	Gas	1947
147	24	103.3	375*	45.6	400	42.7	400.0	0.55	0.61	297.0	1	No	Y	Gas	1947
147	24	103.6	375*	45.6	400	42.7	400.0	0.61	0.63	90.0	1	No	Y	Gas	1947
147	24	104	375*	45.6	400	42.7	400.0	0.63	0.83	1057.0	3	No	Y	Gas	1947
147	24	105.3	375*	45.6	400	42.7	400.0	0.95	1.04	472.0	3	Yes	Y	Gas	1947
147	24	107	375*	45.6	400	42.7	400.0	1.48	1.81	1717.0	3	No	Y	Gas	1947
147	24	107.4	375*	45.6	400	42.7	400.0	1.81	1.87	355.0	3	Yes	Y	Gas	1947
147	24	107.7	375*	45.6	400	42.7	400.0	1.87	1.92	249.0	3	Yes	Y	Gas	1947
191	24	100.3	600	41.1	693	47.5	600.0	0.00	0.01	40.0	3	No	Y	Water	1972
300B	34	101.3	865	43.6	867	43.7	894.0	0.46	0.46	8.0	1	Yes	Y	Water	1993
400	36	469.6	965	66.8	975	67.5	975.0	293.40	293.40	16.0	1	No	Y	Water	1961
400	26	470	965	48.3	975	48.8	975.0	293.40	293.86	2455.0	2	No	Y	Water	1961
400	26	471	965	48.3	975	48.8	975.0	293.86	294.34	2555.0	3	Yes	Y	Water	1961
400	26	471.1	965	48.3	975	48.8	975.0	294.34	296.18	9891.0	1	No	Y	Water	1961
400	26	471.3	965	48.3	975	48.8	975.0	296.18	296.22	228.0	1	No	Y	Water	1961
400	26	473	965	48.3	975	48.8	975.0	296.22	297.38	5831.0	2	No	Y	Water	1961
400	26	473.1	965	48.3	975	48.8	975.0	297.38	297.47	521.0	1	No	Y	Water	1961
400	26	473.2	965	48.3	975	48.8	975.0	297.47	297.50	171.0	1	Yes	Y	Water	1961

Seamless Pipe 24-inch or Greater with MOP / MAOP 20% or Greater

ROUTE	OD	SEGMENT NUMBER	MOP	SMYS @ MOP	MAOP	SMYS @ MAOP	FDP **	MILE POST 1	MILE POST 2	FOOTAGE	CLASS	HCA	PRESSURE TEST	TEST MEDIUM ***	YEAR INSTALLED
400	26	474	965	48.3	975	48.8	975.0	297.50	297.86	1922.0	3	Yes	Y	Water	1961
SP5	24	113.4	600	41.1	600	41.1	600.0	5.77	5.77	8.0	3	Yes	Y	Water	2006
X6428	24	600	590	40.5	715	49.0	0.0	0.00	0.00	15.0	3	Yes	Y	Water	1955
X6428	24	635	590	45.0	715	-54.5	0.0	0.18	0.18	7.0	3	Yes	N		1955
X6503	24	501	766	-52.5	803	-55.1	0.0	256.21	256.21	208.0	1	No	N		1953
X6503	24	503	766	52.5	803	-55.1	0.0	256.21	256.21	171.0	1	No	N		1953
X6511	24	700.5	555	34.2	676	-41.6	0.0	0.00	0.00	2.0	3	Yes	N		1958
X6517	24	501	682	-46.8	688	-47.2	0.0	0.00	0.01	72.0	1	No	N		1954
X6517	24	502	682	-46.8	688	-46.8	0.0	0.00	0.01	18.0	1	No	N		1953
X6556	24	210	965	-44.5	1040	-48.0	975.0	0.00	0.00	4.0	1	No	Y	Water	1992
X6556	24	212	965	44.5	1040	48.0	975.0	0.00	0.00	20.0	1	No	Y	Water	2002

Note: (-) In cases where engineering and construction records for a segment are incomplete or unavailable, PG&E's Risk Management Program includes conservative assumptions which, once explored further, may result in a reduction in the assumed risk and a change in the data shown. The cells with these conservative assumptions are marked with a minus symbol (-).

Note: ^ Denotes segments that were hydro-tested in 1969 for over 8 hours specifically to allow it to operate one class out from as-built class.

Note: * Denotes that MOP is 375 psig when connected to Line 109 but MOP is 400 psig when valved off from L109.

Note: ** FDP = Future design pressure; this is the pressure that all future improvements are designed to meet; pipeline can not operate at this pressure.

Note: *** Test Medium - Column denotes water or gas used to test the pipe.