

**BEFORE THE STATE CORPORATION COMMISSION
OF THE STATE OF KANSAS**

In the Matter of the Application of Kansas)
Gas Service Company, a Division of ONE)
Gas, Inc., Regarding the filing of its Plan for) Docket No. 18-KGSG-317-CPL
the Replacement of Obsolete Materials in)
Populated Areas.)

COMPLIANCE FILING OF KANSAS GAS SERVICE

Kansas Gas Service, a Division of ONE Gas, Inc. (“Kansas Gas Service” or the “Company”), in accordance with the December 19, 2018, memorandum filed by the Staff of the State Corporation Commission of the State of Kansas (“Staff” and “Commission,” respectively) in Docket No. 15-GIMG-343-GIG, respectfully reports progress made during the preceding year on Kansas Gas Service’s accelerated plan to replace obsolete pipe in populated areas. In support thereof, the Company states the following to the Commission:

1. On April 24, 2018, Kansas Gas Service filed its Compliance Filing for Replacement of Obsolete Materials in Populated Areas (“Plan”). Within the Plan, Kansas Gas Service indicated it would begin working its Plan in 2019.

2. On December 19, 2018, Staff filed a memorandum in Docket No. 15-GIMG-343-GIG making recommendations for the monitoring of various issues raised in the docket, including the monitoring of plans for the accelerated replacement of obsolete pipe. Among its recommendations, Staff recommended an annual compliance report be filed by March 31: detailing progress made in the preceding year on accelerated replacement plans, explaining any deviations from initial projections or from the previous year’s projections, and revising remaining plan projections.¹ Staff also recommended utilities update Tables LMH-1 and LMH-2, and provide a

¹ See Docket No. 15-GIMG-343-GIG, Notice of Filing Staff Memorandum, p. 8 (December 19, 2018).

discussion on the progress toward adopting/implementing a Pipeline Safety Management System (“PSMS”).

3. While the Commission has not yet issued an order on Staff’s recommendation, Kansas Gas Service is documenting its progress in accordance with the recommendations set out in Staff’s memorandum. At this time, Kansas Gas Service is keeping progress for the Fort Riley project separate from progress on its legacy system.

4. Kansas Gas Service implemented its plan in January 2019. The attachments to this filing provide an update on the Company’s progress made during 2023 and include information regarding any deviations from the Company’s initial Plan or deviations from revised projections. Additionally, Kansas Gas Service is providing an update to the information in Tables LMH-1 and LMH-2, and a discussion of the Company’s progress toward adopting a PSMS.

5. Included in this compliance filing, Kansas Gas Service respectfully reports its mileage of mains by type and by community, as well as leak information, as ordered by the Commission in Docket No. 15-GIMG-343-GIG. In addition, Kansas Gas Service confirms on March 1, 2024, it filed a report in this docket on lost and unaccounted for gas (by community) as ordered by the Commission in Docket No. 15-GIMG-343-GIG.

6. Should Staff so desire, Kansas Gas Service will arrange to meet with Staff after making its 2024 Gas System Reliability Surcharge (“GSRS”) filing to further discuss the progress made toward the completion of the Plan.

WHEREFORE, Kansas Gas Service prays the Commission accept this compliance filing and for such other relief as the Commission may deem just and reasonable.

Respectfully submitted,

/s/ Robert Elliott Vincent

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Plan Update

Kansas Gas Service (“KGS” or “Company”) began its systematic accelerated replacement plan in January 2019 and expects to replace all cast iron mains, bare steel service lines and bare steel mains located in populated areas within 35 years of the plan commencement date. Specifically, KGS’s plan indicated that all remaining cast iron mains would be replaced by 2019; all bare steel service lines in populated areas would be replaced by the end of 2024; the majority of unprotected bare steel mains in populated areas would be replaced by the end of 2028 and all replaced by 2053; and all protected bare steel mains in populated areas would be replaced by the end of 2053. In 2023, KGS planned to replace 7,500 service lines, 15 miles of unprotected bare steel mains and 7 miles of protected bare steel mains. Actual replacements in 2023 are discussed below.

As a result of the Company’s systematic accelerated replacement plan, KGS has accelerated the replacement footage of cast iron mains, bare steel service lines and bare steel mains located in populated areas. In 2019, KGS completed the replacement of cast iron mains within its then current distribution system as planned. In 2023, 6,496 bare steel service lines were replaced, slightly less than 7,500 planned replacements. KGS remains on target to remove all residential bare steel service lines by 2024. Additionally, KGS replaced 19 miles of unprotected bare steel mains. Finally, KGS replaced 31 miles of protected bare steel mains in 2023, which was more than planned. KGS remains on target to complete the replacement of protected bare steel mains by 2053.

Since assuming responsibility for operation of the distribution system serving Fort Riley in 2021, Kansas Gas Service acquired an additional 6 miles of unprotected bare steel main and 11

miles of unprotected coated steel. These footages are excluded from this report. Kansas Gas Service is working to establish a separate replacement plan with Ft. Riley for the accelerated replacement of this pipe.

KGS is revising the Final Plan for Replacement of Obsolete Materials in Populated Areas. KGS still maintains that residential bare steel service lines will be replaced by end of 2024. KGS will extend the Plan out to 2035 with regard to nonresidential bare steel service lines due to the complexity and costs to the customers when replacing those service lines. Additional adjustments have been made to the rate of replacement of unprotected and protected bare steel mains. The revised Final Plan is included as part of Appendix A.

LMH-1 and LMH-2 Update

See below for the update to exhibits LMH-1 and LMH-2 as requested in the memorandum filed by KCC Staff on December 19, 2018.

LMH-1

Number of Urban Areas	348
Miles bare steel main ⁽¹⁾	1,092
Planned (miles/yr.) Replacement Rate	15-26
Number bare steel service lines ¹	5,342
Planned svc (line/yr.) Replacement Rate	7,500
Miles of cast iron mains	0
Years to completion	30
CY2023 underground leaks per 100 miles obsolete piping	27.2
Total project cost, current \$	\$1,760 million

¹ As of 3/8/2024

LMH-2

Main Replacement Estimate (\$/mile)	\$500,000
Service Line Replacement Estimate (\$/ea.)	\$2,611
2023 CAPEX for safety for distribution system	\$69,281,844
Miles undesirable pipe replaced	115 miles
Average costs of replacing undesirable pipe (\$/mile-equivalent) in GSRS filing Docket 24-KGSG-215-TAR	\$523,760

Pipeline Safety Management System (PSMS) Implementation Update

Kansas Gas Service (KGS) has been actively working to implement and utilize the American Petroleum Institute's (API) Recommended Practice (RP) 1173: Pipeline Safety Management System (PSMS) since 2016. On May 20th, 2019, the American Gas Association (AGA) board asked member companies to commit to implementing PSMS within 3 years. KGS was an early and enthusiastic supporter of this industry-wide commitment.

Following this commitment, the organization further evaluated our safety management system program and made enhancements to better align processes with the recommended practice as previously reported. This included framework development, implementation of O-Net for non-emergency safety reporting and a safety culture survey. In 2022, KGS completed its implementation of PSMS now branded as the ONE Gas Safety Management System (OSMS). Consistent with the spirit of PSMS, we continue to execute the OSMS, work with contractors on integrating PSMS principles, evaluate maturity and make improvements as needed.

Appendix A - Amended Replacement Plan

Kansas Gas Service Accelerated Replacement Program Amended															
Year	CI Main Miles			BS Service Lines			Unprot. BS Main Miles			Prot. BS Main Miles			Total Programs Cost	Incremental Cost per Customer Per Month of Program	Cumulative Cost per Customer Per Month of Program
	End of Year Inventory	Reduction	Estimated Cost in Millions	End of Year Inventory	Reduction	Estimated Cost in Millions	End of Year Inventory	Reduction	Estimated Cost in Millions	End of Year Inventory	Reduction	Estimated Cost in Millions			
2024	0			1650	3,699	\$12.4	145	20	\$24.0	1636	13	\$14.0	\$50.4	\$0.50	\$0.50
2025	0			1472	178	\$0.9	125	20	\$25.0	1619	17	\$19.0	\$44.9	\$0.45	\$0.95
2026	0			1294	178	\$1.0	105	20	\$26.0	1603	16	\$18.6	\$45.6	\$0.46	\$1.41
2027	0			1116	178	\$1.0	85	20	\$27.0	1588	15	\$18.2	\$46.2	\$0.46	\$1.87
2028	0			938	178	\$1.0	65	20	\$28.1	1574	15	\$18.3	\$47.4	\$0.47	\$2.34
2029	0			760	178	\$1.1	45	20	\$29.2	1559	15	\$19.7	\$49.9	\$0.50	\$2.84
2030	0			582	178	\$1.1	34	11	\$16.5	1531	28	\$37.8	\$55.5	\$0.55	\$3.40
2031	0			404	178	\$1.2	33	1	\$1.5	1499	32	\$44.5	\$47.2	\$0.47	\$3.87
2032	0			226	178	\$1.2	32	1	\$1.6	1467	32	\$45.8	\$48.6	\$0.49	\$4.36
2033	0			48	178	\$1.3	31	1	\$1.6	1435	32	\$47.2	\$50.1	\$0.50	\$4.86
2034	0			0	48	\$0.4	30	1	\$1.7	1403	32	\$48.6	\$50.7	\$0.51	\$5.36
2035	0			0			29	1	\$1.7	1353	50	\$47.5	\$49.2	\$0.49	\$5.86
2036	0			0			28	1	\$1.8	1305	48	\$47.0	\$48.8	\$0.49	\$6.34
2037	0			0			27	1	\$1.8	1259	46	\$46.4	\$48.2	\$0.48	\$6.83
2038	0			0			26	1	\$1.9	1211	48	\$49.8	\$51.7	\$0.52	\$7.34
2039	0			0			25	1	\$2.0	1165	46	\$49.2	\$51.1	\$0.51	\$7.86
2040	0			0			24	1	\$2.0	1121	44	\$48.5	\$50.5	\$0.50	\$8.36
2041	0			0			23	1	\$2.1	1075	46	\$52.2	\$54.3	\$0.54	\$8.90
2042	0			0			22	1	\$2.1	1031	44	\$51.4	\$53.6	\$0.54	\$9.44
2043	0			0			21	1	\$2.2	989	42	\$50.5	\$52.8	\$0.53	\$9.97
2044	0			0			20	1	\$2.3	945	44	\$54.5	\$56.8	\$0.57	\$10.53
2045	0			0			19	1	\$2.3	903	42	\$53.6	\$56.0	\$0.56	\$11.09
2046	0			0			18	1	\$2.4	863	40	\$52.6	\$55.0	\$0.55	\$11.64
2047	0			0			17	1	\$2.5	821	42	\$56.9	\$59.4	\$0.59	\$12.24
2048	0			0			16	1	\$2.6	781	40	\$55.8	\$58.4	\$0.58	\$12.82
2049	0			0			15	1	\$2.6	743	38	\$54.6	\$57.2	\$0.57	\$13.39
2050	0			0			14	1	\$2.7	703	40	\$59.2	\$61.9	\$0.62	\$14.01
2051	0			0			13	1	\$2.8	665	38	\$57.9	\$60.7	\$0.61	\$14.62
2052	0			0			12	1	\$2.9	629	36	\$56.5	\$59.4	\$0.59	\$15.21
2053	0			0			11	1	\$3.0	596	33	\$53.4	\$56.3	\$0.56	\$15.78
Total					5,349			154			1054		\$1,577.7		

Below is Kansas Gas Service's submission reporting miles of facilities by material type and location. The information is provided in the format prescribed by Staff and reflects data as of March 8, 2024. The Company also provides the leak information as of December 31, 2023. Footage pertaining to the acquisition of Fort Riley has been excluded from the data below.

Miles of Main by Location			
	Urban	Rural	Total
Protected Coated	2,406	1,401	3,807
Protected bare	978	671	1,649
Unprotected Coated	0.17	0.42	0.59
Unprotected Bare	127	33	160
Cast Iron	0	0	0
PVC	1	138	139
PE	3,071	1,317	4,388
Aldyl-A & Marlex	1,072	460	1,531
Other	0	0	0
Total	7,655	4,020	11,675

Number of Services by Location			
	Urban	Rural	Total
Protected Coated	4,819	2,428	7,247
Protected Bare	720	657	1,377
Unprotected Coated	584	275	859
Unprotected Bare	2,629	1,336	3,965
Cast Iron	0	0	0
PVC	0	83	83
PE	393,024	115,592	508,615
Aldyl-A & Marlex	102,833	12,741	115,574
Other	0	0	0
Total	504,609	133,111	637,720

Leaks Found During Inspection Year by Leak Classification				
	Class 1	Class 2	Class 3	Total
# of Leaks Found	1,299	113	247	1,659
# of Leaks Repaired	1,335	108	519	1,962
# of Current Leaks	7	10	433	450

Note:

The differentiation between the urban and rural areas for this report is determined using a population density of 360 people per square mile based on census data. This delineation was derived after a review of Census Blocks at metropolitan interfaces between populated and rural areas and is subject to additional review and potential adjustment by subject matter experts. Because many of the small communities served by Kansas Gas Service have low population densities, they are likely within the rural location type.

Kansas Gas Service will continue to refine this report as system improvements are made.

Line Number	Month Reported	WO Number	MATERIALS SECTION								INSTALLATION AND OPERATIONS SECTION							
			TYPE OF MATERIAL	(DESCRIBE IF OTHER)	DATE OF MANUFACTURE	YEAR MANUFACTURE	MANUFACTURER	PRINT LINE or LABEL	SDR,DR, SCHEDULE or WALL THICKNESS	NOMINAL SIZE	METHOD OF INSTALLATION (Open Trench, Bored, Plowed In, Insertion, Joint Trench, Planted, Unknown, Other - describe, Direct Bury)	Description of Other Method of Installation	TYPE OF SOIL IN CONTACT WITH PIPE (Sand, Loam, Clay, Rocky, Slurry, Other - describe)	Description of Other Type of Soil	OPERATING PRESSURE AT TIME OF FAILURE (psig)	OPERATING PRESSURE NORMAL RANGE MINIMUM (if known) (psig)	OPERATING PRESSURE NORMAL RANGE MAXIMUM (if known) (psig)	DATE OF INSTALLATION
1	January	2023-1000236344	NYLON				AMPFit			0.500	OPEN TRENCH				18.0			7/11/1979
2	January	2023-1000133738	NYLON				AMPFit			0.500	OPEN TRENCH				18.0			11/22/1980
3	January	2023-1000113254	NYLON				LYCOFIT			0.750	OPEN TRENCH		LOAM		12.0			02/18/1998
4	January	2022-1001973377	MDPE - 2306				Driscopipe			0.750	OPEN TRENCH		CLAY		45.0			10/13/1971
5	January	2023-1000205245	HDPE- 3408							0.750	OPEN TRENCH				15.0			9/29/1973
6	January	2023-1000079921	MDPE - 2306							2.000	OPEN TRENCH		CLAY		30.0			6/2/1980
7	January	2020-1001381616	HDPE- 3406				Driscopipe			0.750	OPEN TRENCH				45.0			1/2/1987
8	January	2020-1001401033	HDPE- 3408				Driscopipe			0.750	OPEN TRENCH				45.0			11/23/1987
9	January	2022-1000280966	HDPE- 3408				Driscopipe			2.000	OPEN TRENCH				15.0			03/29/1990
10	January	2020-1001380489	HDPE- 3408				Driscopipe			0.750	OPEN TRENCH				45.0			01/01/1991
11	January	2020-1001407691	MDPE - 2406				Driscopipe			2.000	OPEN TRENCH		LOAM		30.0			02/16/1993
12	January	2022-1000428284	HDPE - 3406				Performance Pipe			0.750	OPEN TRENCH		CLAY		14.0			04/05/2007
13	January	2022-1001588900	HDPE- 3408							0.875	OPEN TRENCH				2.0			09/24/2010
14	February	2022-1001129033	OTHER (Describe)	Steel						0.750	OPEN TRENCH				15.0			6/12/1991
15	February	2023-1000293263	NYLON				AMPFit			2.000	OPEN TRENCH		CLAY		45.0			2/24/1979
16	February	2023-1000300344	NYLON				AMPFit			2.000	OPEN TRENCH		CLAY		45.0			3/5/1979
17	February	2023-1000176378	MDPE - 2406				Polypipe			0.750	OPEN TRENCH				36.0			3/23/2022
18	March	2022-1001799134	HDPE- 3408				Driscopipe			0.875	OPEN TRENCH		CLAY		50.0			2/10/1993
19	March	2022-1001873098	NYLON				AMPFit			0.500	OPEN TRENCH				48.0			2/18/1981
20	March	2022-1001984828	NYLON				AMPFit			2.000	OPEN TRENCH		CLAY		18.0			7/29/1981
21	March	2022-1001766000	NYLON				AMPFit			0.500	OPEN TRENCH				48.0			8/24/1981
22	March	2022-1001434630	HDPE- 3408				Driscopipe			0.500	OPEN TRENCH		LOAM		18.0			8/8/1972
23	March	2021-1000337300	MDPE - 2406				Driscopipe			0.750	OPEN TRENCH		CLAY		45.0			6/30/1999
24	March	2022-1001611228	MDPE - 2406				Driscopipe			0.750	OPEN TRENCH				12.0			5/23/1991
25	March	2023-1000591874	MDPE - 2406				Plexco			0.750	OPEN TRENCH				48.0			6/25/1997
26	March	2022-1001577821	MDPE - 2406				Performance Pipe			0.750	OPEN TRENCH		CLAY		18.0			2/16/2015
27	March	2023-1000516723	HDPE - 3406				Driscopipe	8000		4.000	OPEN TRENCH		CLAY		18.0			1/1/1979
28	March	2023-1000549777	MDPE - 2306				Driscopipe			2.000	OPEN TRENCH		CLAY		48.0			1/1/1981
29	April	2022-1000757969	OTHER (Describe)	Brass						0.750	OPEN TRENCH		CLAY		18.0			9/27/1982
30	April	2021-1000475620	NYLON				AMPFit			0.500	OPEN TRENCH		CLAY		45.0			1/1/1978
31	April	2023-1000483436	NYLON				AMPFit			2.000	OPEN TRENCH		CLAY		45.0			1/1/1979
32	April	2021-1000125794	NYLON				AMPFit			2.000	OPEN TRENCH		CLAY		15.0			9/9/1980
33	April	2023-1000293412	MDPE - 2306							0.500	OPEN TRENCH		CLAY		48.0			6/15/1973
34	April	2021-1000119483	MDPE - 2406				Driscopipe			2.000	OPEN TRENCH		CLAY		45.0			6/13/2001
35	April	2022-1000810422	MDPE - 2406							0.750	OPEN TRENCH		CLAY		45.0			3/1/1993
36	April	2023-1000583660	MDPE - 2406							0.750	OPEN TRENCH		CLAY		40.0			8/21/2003
37	April	2023-1000546921	MDPE - 2708							2.000	OPEN TRENCH		LOAM		33.0			7/13/2022
38	May	2021-1000163755	MDPE - 2406							2.000	OPEN TRENCH		CLAY		15.0			12/8/2010
39	May	2021-1000353901	MDPE - 2406							0.750	OPEN TRENCH		CLAY		10.0			11/12/1991
40	May	2022-1000848465	MDPE - 2406							1.250	OPEN TRENCH		CLAY		45.0			12/23/2019
41	May	2022-1000884136	MDPE - 2406							0.750	OPEN TRENCH				18.0			10/28/2013
42	May	2023-1000734690	OTHER (Describe)	Steel			Dresser			0.750	OPEN TRENCH				12.0			2/3/1971
43	May	2023-1000826394	MDPE - 2406				Performance Pipe			0.750	OPEN TRENCH		LOAM		36.0			8/12/2014
44	May	2023-1000851630	MDPE - 2406				Polypipe			0.500	OPEN TRENCH		LOAM		14.0			10/11/2017
45	May	2023-1000867733	MDPE - 2406				Polypipe			0.750	OPEN TRENCH		CLAY		45.0			11/3/2020
46	May	2023-1000883811	MDPE - 2406				Performance Pipe			0.750	OPEN TRENCH				16.0			3/1/2016
47	May	2023-1000890707	HDPE- 3408							0.875	OPEN TRENCH				13.0			2/27/1992
48	June	2021-1000402981	NYLON				AMPFit			0.750	OPEN TRENCH				5.0			10/21/1980
49	June	2023-1000483472	NYLON				AMPFit			0.750	OPEN TRENCH		CLAY		45.0			6/6/1979
50	June	2022-1001119439	HDPE - 3406							0.750	OPEN TRENCH				39.0			11/26/1973
51	June	2023-1000792205	MDPE - 2406				Driscopipe			0.750	OPEN TRENCH				22.0			12/27/1995

Line Number	FAILURE ANALYSIS SECTION									CONTACT INFORMATION	
	FAILURE LOCATION (Pipe, Fitting or Joint)	FAILURE IN FITTING (Transition, Valve, Meter Riser, Mechanical Fitting, Heat Fusion Fitting, Electrofusion Fitting, Other - describe)	Description of Other Fitting Type	FAILURE IN JOINT (Mechanical, Electrofusion, Butt Fusion, Socket Fusion, Saddle Fusion, Solvent, Other - describe)	Description of Other Joint Type	FAILURE CAUSE (Squeeze Off, Point Loading, Excessive Expansion/Contraction, Excessive External Earth Loading, Installation Error, Previous Impact, Unknown, Unknown - not excavated - abandoned, Unknown - not excavated - replaced, Material Defect - describe, Other - describe)	ADDITIONAL FAILURE CAUSE (Squeeze Off, Point Loading, Excessive Expansion/Contraction, Excessive External Earth Loading, Installation Error, Previous Impact, Unknown, Unknown - not excavated - abandoned, Unknown - not excavated - replaced, Material Defect - describe, Other - describe)	Description of Material Defect or Other Failure Cause	DATE OF FAILURE	CONTACT NAME	PHONE NUMBER
1	FITTING	MECHANICAL FITTING (Bolted)	Amp Saddle			MATERIAL DEFECT (Describe)	Material Defect - describe	Amp Saddle	1/26/2023	Natessa Harp	405-552-1847
2	FITTING	MECHANICAL FITTING (Bolted)	Amp Saddle			MATERIAL DEFECT (Describe)	Material Defect - describe	Amp Saddle	1/16/2023	Natessa Harp	405-552-1847
3	FITTING	OTHER (Describe)	Lyco			INSTALLATION ERROR	Installation Error		1/14/2023	Natessa Harp	405-552-1847
4	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracked)	Installation Error		1/12/2023	Natessa Harp	405-552-1847
5	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracked)	Installation Error		1/27/2023	Natessa Harp	405-552-1847
6	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracked)	Installation Error		1/9/2023	Natessa Harp	405-552-1847
7	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracked)	Installation Error		1/13/2023	Natessa Harp	405-552-1847
8	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracked)	Installation Error		1/16/2023	Natessa Harp	405-552-1847
9	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracked)	Installation Error		1/31/2023	Natessa Harp	405-552-1847
10	FITTING	THREADED CAP				THREADED CAP (Seal/O-ring defect)	Installation Error		1/23/2023	Natessa Harp	405-552-1847
11	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracked)	Installation Error		1/24/2023	Natessa Harp	405-552-1847
12	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracked)	Installation Error		1/10/2023	Natessa Harp	405-552-1847
13	FITTING	TRANSITION				INSTALLATION ERROR	Installation Error	No Sleeve Installed	1/23/2023	Natessa Harp	405-552-1847
14	FITTING	MECHANICAL FITTING (Nut Follower)				MATERIAL DEFECT (Describe)	Material Defect - describe	Mechanical failure	2/21/23	Natessa Harp	405-552-1847
15	FITTING	MECHANICAL FITTING (Bolted)				MATERIAL DEFECT (Describe)	Material Defect - describe	Amp Saddle	2/20/23	Natessa Harp	405-552-1847
16	FITTING	MECHANICAL FITTING (Bolted)				MATERIAL DEFECT (Describe)	Material Defect - describe	Amp Saddle	2/7/23	Natessa Harp	405-552-1847
17	FITTING	TRANSITION				INSTALLATION ERROR	Installation Error	No Sleeve Installed	2/3/23	Natessa Harp	405-552-1847
18	FITTING	MECHANICAL FITTING (Nut Follower)				INSTALLATION ERROR	Installation Error	No Sleeve Installed	3/22/2023	Natessa Harp	4055521847
19	FITTING	MECHANICAL FITTING (Bolted)				MATERIAL DEFECT (Describe)	Material Defect - describe	Amp Saddle	3/16/2023	Natessa Harp	4055521847
20	FITTING	MECHANICAL FITTING (Bolted)				MATERIAL DEFECT (Describe)	Material Defect - describe	Amp Saddle	3/20/2023	Natessa Harp	4055521847
21	FITTING	MECHANICAL FITTING (Bolted)				MATERIAL DEFECT (Describe)	Material Defect - describe	Amp Saddle	3/20/2023	Natessa Harp	4055521847
22	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracked)	Installation Error		3/2/2023	Natessa Harp	4055521847
23	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracked)	Installation Error		3/28/2023	Natessa Harp	4055521847
24	FITTING	TRANSITION				INSTALLATION ERROR	Installation Error	No Sleeve Installed	3/13/2023	Natessa Harp	4055521847
25	FITTING	TRANSITION				INSTALLATION ERROR	Installation Error	No Sleeve Installed	3/28/2023	Natessa Harp	4055521847
26	FITTING	TRANSITION				INSTALLATION ERROR	Installation Error	No Sleeve Installed	3/8/2023	Natessa Harp	4055521847
27	JOINT			BUTT FUSION		INSTALLATION ERROR	Installation Error		3/14/2023	Natessa Harp	4055521847
28	PIPE					SQUEEZE OFF	Squeeze Off		3/21/2023	Natessa Harp	4055521847
29	FITTING	MECHANICAL FITTING (Nut Follower)	Compression Coupling			MATERIAL DEFECT (Describe)	Material Defect - describe	Brass Compression Coupling	4/20/2023	Natessa Harp	405-552-1847
30	FITTING	MECHANICAL FITTING (Bolted)	Amp Saddle			MATERIAL DEFECT (Describe)	Material Defect - describe	Amp Saddle	4/6/2023	Natessa Harp	405-552-1847
31	FITTING	MECHANICAL FITTING (Bolted)	Amp Saddle			MATERIAL DEFECT (Describe)	Material Defect - describe	Amp Saddle	4/18/2023	Natessa Harp	405-552-1847
32	FITTING	MECHANICAL FITTING (Bolted)	Amp Saddle			MATERIAL DEFECT (Describe)	Material Defect - describe	Amp Saddle	4/19/2023	Natessa Harp	405-552-1847
33	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracked)	Installation Error		4/17/2023	Natessa Harp	405-552-1847
34	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracked)	Installation Error		4/4/2023	Natessa Harp	405-552-1847
35	FITTING	THREADED CAP				THREADED CAP (Seal/O-ring defect)	Installation Error		4/7/2023	Natessa Harp	405-552-1847
36	FITTING	TRANSITION				INSTALLATION ERROR	Installation Error	No Sleeve Installed	4/4/2023	Natessa Harp	405-552-1847
37	FITTING	VALVE				MATERIAL DEFECT (Describe)	Material Defect - describe	O-rings	3/31/2023	Natessa Harp	405-552-1847
38	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracked)	Installation Error		5/1/23	Natessa Harp	405-552-1847
39	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracked)	Installation Error		4/28/23	Natessa Harp	405-552-1847
40	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracked)	Installation Error		5/24/23	Natessa Harp	405-552-1847
41	JOINT			SADDLE FUSION		INSTALLATION ERROR	Installation Error		5/12/23	Natessa Harp	405-552-1847
42	FITTING	MECHANICAL FITTING (Bolted)	Dresser			MATERIAL DEFECT (Describe)	Material Defect - describe	Dresser - Mechanical Failure	5/3/23	Natessa Harp	405-552-1847
43	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracked)	Installation Error		5/9/23	Natessa Harp	405-552-1847
44	FITTING	TRANSITION				INSTALLATION ERROR	Installation Error	No Sleeve Installed	5/26/23	Natessa Harp	405-552-1847
45	FITTING	METER RISER				MATERIAL DEFECT (Describe)	Material Defect - describe		5/18/23	Natessa Harp	405-552-1847
46	FITTING	TRANSITION				INSTALLATION ERROR	Installation Error	No Sleeve Installed	5/22/23	Natessa Harp	405-552-1847
47	PIPE					INSTALLATION ERROR	Installation Error	No Sleeve Installed	5/31/23	Natessa Harp	405-552-1847
48	FITTING	MECHANICAL FITTING (Bolted)				MATERIAL DEFECT (Describe)	Material Defect - describe	Amp Saddle	6/6/2023	Natessa Harp	405-552-1847
49	FITTING	MECHANICAL FITTING (Bolted)				MATERIAL DEFECT (Describe)	Material Defect - describe	Amp Saddle	6/14/2023	Natessa Harp	405-552-1847
50	FITTING	THREADED CAP				THREADED CAP (Seal/O-ring defect)	Installation Error		6/5/2023	Natessa Harp	405-552-1847
51	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracked)	Installation Error		6/7/2023	Natessa Harp	405-552-1847

Line Number	Month Reported	WO Number	MATERIALS SECTION								INSTALLATION AND OPERATIONS SECTION							
			TYPE OF MATERIAL	(DESCRIBE IF OTHER)	DATE OF MANUFACTURE	YEAR MANUFACTURE	MANUFACTURER	PRINT LINE or LABEL	SDR,DR, SCHEDULE or WALL THICKNESS	NOMINAL SIZE	METHOD OF INSTALLATION (Open Trench, Bored, Plowed In, Insertion, Joint Trench, Planted, Unknown, Other - describe, Direct Bury)	Description of Other Method of Installation	TYPE OF SOIL IN CONTACT WITH PIPE (Sand, Loam, Clay, Rocky, Slurry, Other - describe)	Description of Other Type of Soil	OPERATING PRESSURE AT TIME OF FAILURE (psig)	OPERATING PRESSURE NORMAL RANGE MINIMUM (if known) (psig)	OPERATING PRESSURE NORMAL RANGE MAXIMUM (if known) (psig)	DATE OF INSTALLATION
52	June	2023-1000965310	MDPE - 2306				Driscopipe			2.000	OPEN TRENCH				20.0			3/26/1986
53	June	2023-1001023762	MDPE - 2406				Polypipe			0.750	OPEN TRENCH				18.0			2/22/2023
54	June	2023-1000979982	MDPE - 2306				Driscopipe			0.500	OPEN TRENCH		CLAY		18.0			2/28/1981
55	June	2023-1000645862	MDPE - 2406				Plexco			0.750	OPEN TRENCH				18.0			2/25/2022
56	June	2023-1000863947	MDPE - 2406							0.750	OPEN TRENCH		LOAM		35.0			9/1/2005
57	July	2023-1001139882	NYLON				AMPPfit			2.000	OPEN TRENCH				48.0			1/25/1980
58	July	2023-1000445050	NYLON				AMPPfit			0.750	OPEN TRENCH				48.0			12/18/1981
59	July	2023-1000504756	NYLON				AMPPfit			0.500	OPEN TRENCH				19.0			12/24/1983
60	July	2023-1001138215	HDPE- 3408				Driscopipe			0.750	OPEN TRENCH				48.0			1/11/1984
61	July	2022-1000732109	MDPE - 2406							0.750	OPEN TRENCH		CLAY		25.0			6/26/1991
62	July	2023-1001199319	HDPE - 3406							0.750	OPEN TRENCH		CLAY		45.0			6/21/1975
63	July	2023-1001106455	MDPE - 2306				Driscopipe			2.000	OPEN TRENCH		CLAY		20.0			11/1/1979
64	July	2023-1001125048	MDPE - 2306				Polypipe			1.250	OPEN TRENCH		CLAY		55.0			6/1/1983
65	August	2023-1001270045	MDPE - 2406							0.750	OPEN TRENCH		CLAY		7.0			4/9/1990
66	August	2021-1000863472	MDPE - 2306							0.750	OPEN TRENCH		LOAM		47.0			3/2/1973
67	August	2022-1001057719	MDPE - 2306							2.000	OPEN TRENCH		LOAM		38.0			6/10/1985
68	August	2023-1001351310	MDPE - 2306							0.750	OPEN TRENCH		CLAY		18.0			11/13/1986
69	August	2022-1000742162	HDPE- 3408							0.750	OPEN TRENCH		LOAM		45.0			4/30/1992
70	August	2021-1001806561	HDPE - 3406							2.000	OPEN TRENCH		CLAY		45.0			10/3/1978
71	August	2022-1000134158	MDPE - 2306							2.000	OPEN TRENCH		CLAY		45.0			12/29/1980
72	August	2023-1001320237	MDPE - 2406							2.000	OPEN TRENCH				45.0			1/27/2016
73	August	2023-1001332064	MDPE - 2406							0.750	OPEN TRENCH		SAND		40.0			5/6/2004
74	September	2023-1001295049	NYLON				AMPPfit			0.500	OPEN TRENCH		CLAY		18.0			1/26/1979
75	September	2021-1000917226	MDPE - 2306							0.750	OPEN TRENCH		CLAY		45.0			9/16/1987
76	September	2021-1000711514	MDPE - 2406				Driscopipe			0.750	OPEN TRENCH				45.0			4/24/1991
77	September	2021-1000892932	MDPE - 2406							3.000	OPEN TRENCH		SAND		45.0			6/8/1993
78	September	2022-1001001875	MDPE - 2406							4.000	OPEN TRENCH		CLAY		45.0			8/22/2008
79	September	2021-1000899394	MDPE - 2406							4.000	OPEN TRENCH		CLAY		45.0			11/1/2002
80	September	2021-1000881618	MDPE - 2406				Polypipe			4.000	OPEN TRENCH		CLAY		15.0			9/19/2016
81	September	2023-1001301908	MDPE - 2406				Performance Pipe			0.750	OPEN TRENCH				16.0			11/30/2005
82	September	2023-1001455373	MDPE - 2406							0.750	OPEN TRENCH		LOAM		35.0			10/25/2013
83	October	2023-1001522748	NYLON				AMPPfit			2.000	OPEN TRENCH		CLAY		48.0			7/16/82
84	October	2021-1000992594	MDPE - 2306							0.750	OPEN TRENCH				24.0			9/28/79
85	October	2022-1000467564	HDPE- 3408							2.000	OPEN TRENCH				45.0			1/1/82
86	October	2021-1001809827	MDPE - 2406							2.000	OPEN TRENCH		CLAY		45.0			9/1/87
87	October	2021-1000958444	MDPE - 2306				Driscopipe			2.000	OPEN TRENCH				45.0			9/23/87
88	October	2022-1000846117	MDPE - 2406							0.750	OPEN TRENCH				15.0			11/1/12
89	October	2023-1001620321	HDPE - 3406							2.000	OPEN TRENCH		LOAM		58.0			6/8/20
90	October	2023-1001455347	MDPE - 2406							0.750	OPEN TRENCH		CLAY		34.0			8/22/12
91	October	2022-1001795456	HDPE - 3406							2.000	OPEN TRENCH		CLAY		45.0			1/1/72
92	October	2023-1001590815	HDPE- 3408							0.750	OPEN TRENCH		CLAY		45.0			1/1/89
93	October	2023-1001599237	MDPE - 2406							1.250	OPEN TRENCH		CLAY		45.0			1/1/96
94	November	2023-1001797165	MDPE - 2306							2.000	OPEN TRENCH		CLAY		7.0			12/31/1969
95	November	2023-1001704426	NYLON				AMPPfit			2.000	OPEN TRENCH		CLAY		15.0			2/10/1979
96	November	2022-1000888719	NYLON				AMPPfit			2.000	OPEN TRENCH		CLAY		32.0			4/18/1979
97	November	2022-1000508893	NYLON				AMPPfit			2.000	OPEN TRENCH		CLAY		25.0			9/15/1979
98	November	2023-1001282349	HDPE - 3406							1.000	OPEN TRENCH		CLAY		25.0			10/3/1979
99	November	2023-1001798283	NYLON				AMPPfit			2.000	OPEN TRENCH				18.0			12/14/1979
100	November	2023-1001733670	NYLON				AMPPfit			2.000	OPEN TRENCH				36.0			2/18/1981
101	November	2023-1001720956	MDPE - 2406							2.000	OPEN TRENCH		CLAY		24.0			1/30/1992
102	November	2023-1001500533	MDPE - 2406							0.500	OPEN TRENCH		LOAM		18.0			12/31/1996

Line Number	FAILURE ANALYSIS SECTION									CONTACT INFORMATION	
	FAILURE LOCATION (Pipe, Fitting or Joint)	FAILURE IN FITTING (Transition, Valve, Meter Riser, Mechanical Fitting, Heat Fusion Fitting, Electrofusion Fitting, Other - describe)	Description of Other Fitting Type	FAILURE IN JOINT (Mechanical, Electrofusion, Butt Fusion, Socket Fusion, Saddle Fusion, Solvent, Other - describe)	Description of Other Joint Type	FAILURE CAUSE (Squeeze Off, Point Loading, Excessive Expansion/Contraction, Excessive External Earth Loading, Installation Error, Previous Impact, Unknown, Unknown - not excavated - abandoned, Unknown - not excavated - replaced, Material Defect - describe, Other - describe)	ADDITIONAL FAILURE CAUSE (Squeeze Off, Point Loading, Excessive Expansion/Contraction, Excessive External Earth Loading, Installation Error, Previous Impact, Unknown, Unknown - not excavated - abandoned, Unknown - not excavated - replaced, Material Defect - describe, Other - describe)	Description of Material Defect or Other Failure Cause	DATE OF FAILURE	CONTACT NAME	PHONE NUMBER
52	FITTING	THREADED CAP				THREADED CAP (Seal/O-ring defect)	Installation Error		6/7/2023	Natessa Harp	405-552-1847
53	FITTING	TRANSITION				INSTALLATION ERROR	Installation Error	No Sleeve Installed	6/20/2023	Natessa Harp	405-552-1847
54	JOINT			SADDLE FUSION		INSTALLATION ERROR	Installation Error		6/22/2023	Natessa Harp	405-552-1847
55	PIPE					INSTALLATION ERROR	Installation Error	No Sleeve Installed	4/26/2023	Natessa Harp	405-552-1847
56	PIPE					INSTALLATION ERROR	Installation Error	No Sleeve Installed	6/7/2023	Natessa Harp	405-552-1847
57	FITTING	MECHANICAL FITTING (Bolted)				MATERIAL DEFECT (Describe)	Material Defect - describe	Amp Saddle	7/13/2023	Natessa Harp	4055521847
58	FITTING	MECHANICAL FITTING (Bolted)				MATERIAL DEFECT (Describe)	Material Defect - describe	Amp Saddle	7/17/2023	Natessa Harp	4055521847
59	FITTING	MECHANICAL FITTING (Bolted)	Amp Saddle			MATERIAL DEFECT (Describe)	Material Defect - describe	Amp Saddle	7/26/2023	Natessa Harp	4055521847
60	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracked)	Installation Error		7/12/2023	Natessa Harp	4055521847
61	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracked)	Installation Error		7/20/2023	Natessa Harp	4055521847
62	JOINT			SOCKET FUSION		INSTALLATION ERROR	Installation Error		7/25/2023	Natessa Harp	4055521847
63	JOINT			SADDLE FUSION		INSTALLATION ERROR	Installation Error		7/11/2023	Natessa Harp	4055521847
64	JOINT			BUTT FUSION		INSTALLATION ERROR	Installation Error		7/10/2023	Natessa Harp	4055521847
65	FITTING	TRANSITION				INSTALLATION ERROR	Installation Error	No Sleeve Installed	8/4/2023	Natessa Harp	405-552-1880
66	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracked)	Installation Error		8/9/2023	Natessa Harp	405-552-1847
67	FITTING	THREADED CAP				THREADED CAP (Cracked Cap)	Installation Error		8/11/2023	Natessa Harp	405-552-1867
68	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracked)	Installation Error		8/23/2023	Natessa Harp	405-552-1871
69	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracked)	Installation Error		8/1/2023	Natessa Harp	405-552-1887
70	JOINT			SADDLE FUSION		INSTALLATION ERROR	Installation Error		8/21/2023	Natessa Harp	405-552-1858
71	JOINT			SADDLE FUSION		INSTALLATION ERROR	Installation Error		8/8/2023	Natessa Harp	405-552-1860
72	JOINT			BUTT FUSION		INSTALLATION ERROR	Installation Error		8/16/2023	Natessa Harp	405-552-1902
73	PIPE					INSTALLATION ERROR	Installation Error	No Sleeve Installed	8/18/2023	Natessa Harp	405-552-1895
74	FITTING	MECHANICAL FITTING (Bolted)				MATERIAL DEFECT (Describe)	Material Defect - describe	Amp Saddle	9/28/2023	Natessa Harp	4055521847
75	FITTING	THREADED CAP				THREADED CAP (Cracked Cap)	Installation Error		9/21/2023	Natessa Harp	4055521847
76	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracked)	Installation Error		9/20/2023	Natessa Harp	4055521847
77	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracked)	Installation Error		9/20/2023	Natessa Harp	4055521847
78	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracked)	Installation Error		9/5/2023	Natessa Harp	4055521847
79	JOINT			SADDLE FUSION		INSTALLATION ERROR	Installation Error		9/19/2023	Natessa Harp	4055521847
80	JOINT			BUTT FUSION		INSTALLATION ERROR	Installation Error		9/26/2023	Natessa Harp	4055521847
81	PIPE					INSTALLATION ERROR	Installation Error	No Sleeve Installed	9/13/2023	Natessa Harp	4055521847
82	PIPE					INSTALLATION ERROR	Installation Error	No Sleeve Installed	9/18/2023	Natessa Harp	4055521847
83	FITTING	MECHANICAL FITTING (Bolted)				MATERIAL DEFECT (Describe)	Material Defect - describe	Amp Saddle	10/9/2023	Natessa Harp	405-552-1868
84	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracked)	Installation Error		10/5/2023	Natessa Harp	405-552-1858
85	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracked)	Installation Error		10/3/2023	Natessa Harp	405-552-1867
86	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracked)	Installation Error		10/31/2023	Natessa Harp	405-552-1881
87	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracked)	Installation Error		10/3/2023	Natessa Harp	405-552-1882
88	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracked)	Installation Error		10/16/2023	Natessa Harp	405-552-1907
89	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracked)	Installation Error		10/16/2023	Natessa Harp	405-552-1912
90	FITTING	TRANSITION				INSTALLATION ERROR	Installation Error	No Sleeve Installed	10/26/2023	Natessa Harp	405-552-1906
91	JOINT			BUTT FUSION		INSTALLATION ERROR	Installation Error		10/19/2023	Natessa Harp	405-552-1849
92	JOINT			BUTT FUSION		INSTALLATION ERROR	Installation Error		10/10/2023	Natessa Harp	405-552-1884
93	PIPE					POINT LOADING	Installation Error	Improper Backfill	10/11/2023	Natessa Harp	405-552-1896
94	JOINT			BUTT FUSION		INSTALLATION ERROR	Installation Error		11/27/2023	Natessa Harp	405-552-1847
95	FITTING	MECHANICAL FITTING (Bolted)				MATERIAL DEFECT (Describe)	Material Defect - describe	Amp Saddle	11/3/2023	Natessa Harp	405-552-1847
96	FITTING	MECHANICAL FITTING (Bolted)				MATERIAL DEFECT (Describe)	Material Defect - describe	Amp Saddle	11/14/2023	Natessa Harp	405-552-1847
97	FITTING	MECHANICAL FITTING (Bolted)				MATERIAL DEFECT (Describe)	Material Defect - describe	Amp Saddle	11/2/2023	Natessa Harp	405-552-1847
98	JOINT			BUTT FUSION		INSTALLATION ERROR	Installation Error		11/2/2023	Natessa Harp	405-552-1847
99	FITTING	MECHANICAL FITTING (Bolted)	Amp Saddle			MATERIAL DEFECT (Describe)	Material Defect - describe	Amp Saddle	11/27/2023	Natessa Harp	405-552-1847
100	FITTING	MECHANICAL FITTING (Bolted)	Amp Saddle			MATERIAL DEFECT (Describe)	Material Defect - describe	Amp Saddle	11/8/2023	Natessa Harp	405-552-1847
101	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracked)	Installation Error		11/6/2023	Natessa Harp	405-552-1847
102	PIPE					INSTALLATION ERROR	Installation Error	No Sleeve Installed	11/9/2023	Natessa Harp	405-552-1847

Line Number	Month Reported	WO Number	MATERIALS SECTION								INSTALLATION AND OPERATIONS SECTION							
			TYPE OF MATERIAL	(DESCRIBE IF OTHER)	DATE OF MANUFACTURE	YEAR MANUFACTURE	MANUFACTURER	PRINT LINE or LABEL	SDR, DR, SCHEDULE or WALL THICKNESS	NOMINAL SIZE	METHOD OF INSTALLATION (Open Trench, Bored, Plowed In, Insertion, Joint Trench, Planted, Unknown, Other - describe, Direct Bury)	Description of Other Method of Installation	TYPE OF SOIL IN CONTACT WITH PIPE (Sand, Loam, Clay, Rocky, Slurry, Other - describe)	Description of Other Type of Soil	OPERATING PRESSURE AT TIME OF FAILURE (psig)	OPERATING PRESSURE NORMAL RANGE MINIMUM (if known) (psig)	OPERATING PRESSURE NORMAL RANGE MAXIMUM (if known) (psig)	DATE OF INSTALLATION
103	November	2023-1001644753	MDPE - 2406							0.750	OPEN TRENCH		ROCKY		25.0			1/11/2001
104	November	2023-1001715713	MDPE - 2406							0.750	OPEN TRENCH		CLAY		40.0			7/3/2013
105	November	2021-1001125322	MDPE - 2406							0.750	OPEN TRENCH		CLAY		24.0			4/10/2016
106	November	2023-1001490047	MDPE - 2406							0.750	OPEN TRENCH		LOAM		32.0			8/26/2022
107	December	2023-1001640275	MDPE - 2406							2.000	OPEN TRENCH		CLAY		45.0			4/22/2018
108	December	2023-1001926174	NYLON				AMPFit			0.750	OPEN TRENCH		CLAY		15.0			12/21/1982
109	December	2023-1001706725	MDPE - 2406				RW Lyall			0.750	OPEN TRENCH				12.0			9/14/2023
110	December	2021-1001195738	MDPE - 2406							0.750	OPEN TRENCH		CLAY		12.0			1/19/2017
111	December	2023-1001531969	HDPE- 3408							0.750	OPEN TRENCH		CLAY		45.0			12/31/1994
112	December	2023-1001909335	MDPE - 2306							1.000	OPEN TRENCH				12.0			7/11/1982

Line Number	FAILURE ANALYSIS SECTION									CONTACT INFORMATION	
	FAILURE LOCATION (Pipe, Fitting or Joint)	FAILURE IN FITTING (Transition, Valve, Meter Riser, Mechanical Fitting, Heat Fusion Fitting, Electrofusion Fitting, Other - describe)	Description of Other Fitting Type	FAILURE IN JOINT (Mechanical, Electrofusion, Butt Fusion, Socket Fusion, Saddle Fusion, Solvent, Other - describe)	Description of Other Joint Type	FAILURE CAUSE (Squeeze Off, Point Loading, Excessive Expansion/Contraction, Excessive External Earth Loading, Installation Error, Previous Impact, Unknown, Unknown - not excavated - abandoned, Unknown - not excavated - replaced, Material Defect - describe, Other - describe)	ADDITIONAL FAILURE CAUSE (Squeeze Off, Point Loading, Excessive Expansion/Contraction, Excessive External Earth Loading, Installation Error, Previous Impact, Unknown, Unknown - not excavated - abandoned, Unknown - not excavated - replaced, Material Defect - describe, Other - describe)	Description of Material Defect or Other Failure Cause	DATE OF FAILURE	CONTACT NAME	PHONE NUMBER
103	PIPE					POINT LOADING	Installation Error	Improper Backfill	11/1/2023	Natessa Harp	405-552-1847
104	JOINT	ELECTROFUSION FITTING		ELECTROFUSION		INSTALLATION ERROR	Installation Error		11/3/2023	Natessa Harp	405-552-1847
105	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracked)	Installation Error		11/13/2023	Natessa Harp	405-552-1847
106	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracked)	Installation Error		11/9/2023	Natessa Harp	405-552-1847
107	FITTING	MECHANICAL FITTING (Bolted)				MATERIAL DEFECT (Describe)	Material Defect - describe	Mechanical Failure	12/13/2023	Natessa Harp	405-552-1847
108	FITTING	MECHANICAL FITTING (Bolted)				MATERIAL DEFECT (Describe)	Material Defect - describe	Amp saddle	12/25/2023	Natessa Harp	405-552-1847
109	FITTING	METER RISER				MATERIAL DEFECT (Describe)	Material Defect - describe		11/2/2023	Natessa Harp	405-552-1847
110	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracked)	Installation Error		12/15/2023	Natessa Harp	405-552-1847
111	PIPE					INSTALLATION ERROR	Installation Error	No Sleeve Installed	12/8/2023	Natessa Harp	405-552-1847
112	PIPE					INSTALLATION ERROR	Installation Error	No Sleeve Installed	12/19/2023	Natessa Harp	405-552-1847

VERIFICATION

STATE OF KANSAS)
) ss:
COUNTY OF JOHNSON)

The undersigned, upon oath first duly sworn, states that he is the Managing Attorney for Kansas Gas Service, a division of ONE Gas, Inc., that he has read the foregoing *Compliance Filing*, that he is familiar with the contents thereof, and that the statements contained therein are true and correct to the best of his knowledge and belief.



Robert Elliott Vincent

Subscribed and sworn to before me this 1st day of April, 2024.



Notary Public

My Appointment Expires: 6/5/26



CERTIFICATE OF SERVICE

I, Robert Elliott Vincent, hereby certify that a copy of the above and foregoing
Compliance Filing was forwarded this 1st day of April 2024, addressed to:

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