

City of Liberty

P.O. Box 127 • Liberty, KY 42539

RECEIVED

AUG 30 2018

PUBLIC SERVICE
COMMISSION

August 20, 2018

Kentucky Public Service Commission
211 Sower Boulevard
P.O. Box 615
Frankfort, KY 40602

Re: Case No. 2017-00053

Dear Commission,

Attached is the leakage survey for the Liberty Gas System which was completed by Heath Consultants in August 2018. During the survey, three (3) grade 2 leaks and five (5) grade 3 leaks were discovered in Liberty's gas system.

Liberty Gas System will schedule all leaks to be repaired within the allotted time frame. Repair reports will be sent to the Commission as soon as they are repaired.

Please contact me at 606-787-9973 or libertybb@windstream.net for any questions or concerns.

Sincerely,



Bridgett Blake, City Clerk
City of Liberty, Kentucky



City Hall
(606) 787-9973

Utilities
(606) 787-6691

Fax (606) 787-7992

TDD # 1-800-247-2510



Leak Survey Report

RECEIVED

AUG 30 2018

PUBLIC SERVICE
COMMISSION

CITY OF LIBERTY GAS DEPARTMENT

LIBERTY, KY.

Heath Consultants



2018



Heath Consultants Incorporated

8-17-18

Bridgett Blake
City of Liberty Gas Dept.
51 Jockey St.
Liberty, Ky. 42539

Ms. Blake,

This is your final report of the results obtained during the recently completed gas leakage control survey.

The summary page following will give you further details concerning your survey. Should you have any questions or comments regarding the survey or this report, please contact us at 615.361.8306.

We appreciate this opportunity to be of service to you and look forward to serving you again in the near future.

Sincerely,

Todd Kelley
General Manager/ South Eastern Division
Heath Consultants Incorporated



SUMMARY OF

Gas Leak Survey

LEAKAGE CONTROL SURVEY

<u>City of Liberty</u> Client	<u>Liberty, KY</u> City and State	<u>40</u> District or Division
Conducted by our Consultant(s)		<u>Marty Bryan</u>
Date Start <u>8/7/2018</u>	Date Completed <u>8/10/2018</u>	Total Day <u>4</u>
Number of Hours	<u>30</u>	
Miles of Main Surveyed	<u>32.3</u>	
Number of Services Inspected	<u>497</u>	
Number of Leak Indications	<u>8</u>	

Under Ground Classification*		
GR-1	GR-2	GR-3
0	2	0

- Key Map Symbols
- x Indicates Leak Indication
 - //// Estimated Area Affected
 - Δ Catch Basin
 - * Tree
 - House & Building
 - Indicates the Main
 - ____ Represents curbe line or edge of road unless designated as property line.

Above Ground Classification*		
GR-1	GR-2	GR-3
0	1	5

- Leak Indication Classification*
- Grade 1- Schedule for Immediate Repair
 - Grade 2- Schedule for Repair after Grade 1 Indications are completed. Recheck mandatory if leak cannot be repaired within six months or before frost.
 - Grade 3- Repair as work scheduled permit if indications cannot be repaired within one year, indication should be checked.

Special Cases

Contact HEATH CONSULTANTS INCORPORATED for further information regarding any Special Cases such as analysis, sample collecting, investigation, verification, survery recheck, etc. Our Consultant will be available on 24-hour notice to assist you.

*Leak indication is not an exact science in spite of use of the most modern instruments plus complete training and experience by the Consultant. It is impossible to determine the exact condition of underground piping and equipment without actually exposing same. In view of this limitation our Consultant is intended as an aid in scheduling repairs based upon the information available, the Consultants judgment and and site conditions at the time the report is prepared. Variable factors beyond our control may alter this Classification at any time. Main and service line leak indications are classified individually. Classifications for buildings where leakage is found refer to the situation as it applies to the entire building. Individual building leaks are not classified.



CONSULTANT'S WEEKLY RESUME

ORDER NO.: _____

CLIENT: Liberty Utilities

WEEK ENDING: 08/11/18

LOCATION: Liberty, Kentucky

DAYS TO COMPLETE SURVEY: _____

Date	Town	Miles	Annual Services	Residential Services	UNDERGROUND LEAKS				ABOVE GROUND LEAKS							BILLABLE HOURS	
					1 or A	2 or B	3 or C	Reports	Buildings	Negative	Positive	1 or A	2 or B	3 or C	Leaks		Reports
8/5																	
8/6	Rained Out																
8/7	Liberty	6.6	240											1	1	1	8
8/8	Liberty	2.4	89											1	1	1	6
8/9	Liberty	2	121			1		1						1	1	1	8
8/10	Liberty	21.3	47			1		1					1	2	2	1	8
8/11																	
TOTAL FOR WEEK		32.3	497	0	0	2	0	2	0	0	0	0	1	5	5	4	30
TOTAL THRU LAST WEEK		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL TO DATE		32.3	497	0	0	2	0	2	0	0	0	0	1	5	5	4	30

Day	DPIR PPM	DPIR Alarm	Passed Test?	RMLD PPM-M	RMLD Alarm	Passed Test?	OMD PPM	OMD Alarm	Passed Test?
Sunday									
Monday									
Tuesday				1022	5	Yes			
Wednesday				1029	5	Yes			
Thursday				1040	5	Yes			
Friday									
Saturday									

Calibration Verified: (delete one Yes or No) S/N

RMLD _____

DPIR _____

OMD _____

FI _____

CGI _____

Marty C. Bryan
Consultant

LEAK SURVEY 2018

COMPANY: Liberty Utilities, Liberty Kentucky

TECHNICIAN: Marty C. Bryan

PAGE: 1

LEGEND: AC= Atmospheric Corrosion

NP= Need Paint

DATE	HOUSE#	STREET	METER#	AC	POS	NEG	ROUTE	REMARKS
8/7/2018	57	Middleburg St	1101152	OK		X	104	
8/7/2018	60	Middleburg St	114432	OK		X	104	
8/7/2018	58	Middleburg St	92518	NP		X	104	
8/7/2018	74	Middleburg St	3262	OK		X	104	
8/7/2018	94	Middleburg St	146236	NP		X	104	
8/7/2018	89	Middleburg St	306222	OK		X	104	
8/7/2018	115	Middleburg St	676328	OK		X	104	
8/7/2018	106	Middleburg St	64914	OK		X	104	
8/7/2018	118	Middleburg St	7895448	NP		X	104	
8/7/2018	138	Middleburg St	151029	OK		X	104	
8/7/2018	143	Middleburg St	551511	OK		X	104	
8/7/2018	173	Middleburg St	512247	NP		X	104	
8/7/2018	38	Conner St	7590856	OK		X	104	
8/7/2018	62	Conner St	8629812	OK		X	104	
8/7/2018	79	Conner St	92527	OK		X	104	
8/7/2018	238	Middleburg St	210837	OK		X	104	
8/7/2018	248	Middleburg St	551509	OK		X	104	
8/7/2018	253	Middleburg St	929125	OK		X	104	
8/7/2018		Middleburg St	773352	NP		X	104	
8/7/2018	44	Maple Av	3444517	NP		X	104	
8/7/2018	57	Maple Av	929134	OK		X	104	
8/7/2018	71	Maple Av	766325	OK		X	104	
8/7/2018	58	Maple Av	92551	OK		X	104	
8/7/2018	80	Maple Av	512249	OK		X	104	
8/7/2018	77	Maple Av		OK		X	104	
8/7/2018	120	Randolph	840299	OK		X	104	

LEAK SURVEY 2018

COMPANY: Liberty Utilities, Liberty Kentucky

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PAGE: 23

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DATE	HOUSE#	STREET	METER#	AC	POS	NEG	ROUTE	REMARKS
8/7/2018	323	Middleburg St	6479194	NP		X	104	
8/7/2018	417	Middleburg St	792543	OK		X	104	
8/7/2018	414	Middleburg St	3253	OK		X	104	
8/7/2018	438	Middleburg St	64912	OK		X	104	
8/7/2018	14	Beldon St	388054	OK		X	104	
8/7/2018	511	Middleburg St	84120	OK		X	104	
8/7/2018	511	Middleburg St	763353	OK	XGR3		104	Regulator Vent
8/7/2018	523	Middleburg St	1675939	OK		X	104	
8/7/2018	529	Middleburg St		OK		X	104	
8/7/2018		Middleburg St	840300	OK		X	104	
8/7/2018	113	Courthouse Square	760826	OK		X	104	
8/7/2018	549	Middleburg St	676336	OK		X	104	
8/7/2018	113	Courthouse Square	2583304	OK		X	104	
8/7/2018	21	S.Wilkerson Blvd	829951	OK		X	104	
8/7/2018	92	N. Wilkerson Blvd	6598972	OK		X	104	
8/7/2018	130	N.Wallace Wilkison	198349	OK		X	104	
8/7/2018	130	N.Wilkerson Blvd	482859	OK		X	104	
8/7/2018	206	N.Wilkerson Blvd	901140	OK		X	104	
8/7/2018	224	N.Wilkerson Blvd	4960292	OK		X	104	
8/7/2018	261	N.Wallace Wilkison	114294	OK		X	104	
8/7/2018	255	N.Wallace Wilkison	1676013	OK		X	104	
8/7/2018	261	N.Wallace Wilkison	963654	OK		X	104	
8/7/2018	245	N.Wilkerson Blvd	64916	OK		X	104	
8/7/2018	245	N.Wilkerson Blvd	64908	OK		X	104	
8/7/2018	223	N.Wilkerson Blvd	667709	OK		X	104	
8/7/2018	245	N.Wilkerson Blvd		OK		X	104	

LEAK SURVEY 2018

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PAGE: 3

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DATE	HOUSE#	STREET	METER#	AC	POS	NEG	ROUTE	REMARKS
8/7/2018		N.Wilkinson Blvd	39659	NP		X	104	
8/7/2018	843	N.Wallace Wilkinson Blvd	6634447	OK		X	104	
8/7/2018	371	N. Wilkinson Blvd	964113	OK		X	104	
8/7/2018	397	Wallace Wilkinson	590092	OK		X	104	
8/7/2018	410	Wallace Wilkinson	54751	OK		X	104	
8/7/2018	100	Liberty SQ	752446	OK		X	104	
8/7/2018	112	Liberty SQ	49267	OK		X	104	
8/7/2018	112	Liberty SQ	954941	OK		X	104	
8/7/2018	116	Liberty SQ	9564742	OK		X	104	
8/7/2018	122	Liberty SQ	167115	OK		X	104	
8/7/2018	140	Liberty SQ	182316	OK		X	104	
8/7/2018	150	Liberty SQ	929124	OK		X	104	
8/7/2018	49	Scanlon Dr	203842	OK		X	104	
8/7/2018	49	Scanlon Dr	760827	OK		X	104	
8/7/2018	436	Wallace Wilkinson		OK		X	104	
8/7/2018	472	Wallace Wilkinson	150143883	NP		X	104	
8/7/2018		Hwy 127		NP		X	104	
8/7/2018	543	N.Wilkinson Blvd	639236	OK		X	104	
8/7/2018	579	Wallace Wilkinson	5397313	OK		X	104	
8/7/2018	117	Dillon St	603379	OK		X	104	
8/7/2018	112	Dillon St	603380	OK		X	104	
8/7/2018	130	Dillon St	603369	OK		X	104	
8/7/2018	130	Dillon St	603370	OK		X	104	
8/7/2018	150	Dillon St	603364	OK		X	104	
8/7/2018	140	Riverdale	603396	OK		X	104	
8/7/2018	180	Dillon St	603363	OK		X	104	

LEAK SURVEY 2018

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PAGE: 4

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DATE	HOUSE#	STREET	METER#	AC	POS	NEG	ROUTE	REMARKS
8/7/2018	180	Dillon St	603395	OK		X	104	
8/7/2018	260	Dillon St	603375	OK		X	104	
8/7/2018	260	Dillon St	603976	OK		X	104	
8/7/2018	230	Dillon St	603382	OK		x	104	
8/7/2018	212	Dillon St	603365	OK		x	104	
8/7/2018	15	Riverdale Dr	603381	OK		x	104	
8/7/2018	35	Riverdale Dr	603366	OK		x	104	
8/7/2018	19	Riverdale Dr	603372	OK		x	104	
8/7/2018	19	Riverdale Dr	603371	OK		x	104	
8/7/2018	19	Riverdale Dr	603385	OK		x	104	
8/7/2018	700	N.Wilkinson Blvd	9303167	OK		x	104	
8/7/2018	19	Riverdale Dr	603386	OK		x	104	
8/7/2018	25	Riverdale Dr	603394	OK		x	104	
8/7/2018	25	Riverdale Dr	603393	OK		x	104	
8/7/2018	25	Riverdale Dr		OK		x	104	
8/7/2018	25	Riverdale Dr	603389	OK		x	104	
8/7/2018	20	Riverdale Dr	603404	OK		x	104	
8/7/2018	20	Riverdale Dr	603403	OK		x	104	
8/7/2018	20	Riverdale Dr	603402	OK		x	104	
8/7/2018	20	Riverdale Dr	603401	OK		x	104	
8/7/2018	750	N.Wilkinson Blvd		OK		x	104	
8/7/2018		Dillon St	8921098	OK		x	104	
8/7/2018	85	Riverdale Dr	603387	OK		x	104	
8/7/2018	85	Riverdale Dr	603377	OK		x	104	
8/7/2018	85	Riverdale Dr	603378	OK		x	104	
8/7/2018	85	Riverdale Dr	603388	OK		x	104	

LEAK SURVEY 2018

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PAGE: 5

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DATE	HOUSE#	STREET	METER#	AC	POS	NEG	ROUTE	REMARKS
8/7/2018	50	Riverdale	603397	OK		X	104	
8/7/2018	50	Riverdale	603398	OK		X	104	
8/7/2018	50	Riverdale	603373	OK		X	104	
8/7/2018	50	Riverdale	603374	OK		X	104	
8/7/2018	603	Riverdale	603397	OK		X	104	
8/7/2018	100	Riverdale	603368	OK		X	104	
8/7/2018	100	Riverdale	603400	OK		X	104	
8/7/2018	90	Riverdale	603384	OK		X	104	
8/7/2018	90	Riverdale	603383	OK		X	104	
8/7/2018	90	Riverdale	676318	OK		X	104	
8/7/2018	90	Riverdale	676312	OK		X	104	
8/7/2018	735	N.Wilkinson	558493	OK		X	104	
8/7/2018	938	N.Wilkinson		OK		X	104	
8/7/2018	775	N.Wilkinson	676323	OK		X	104	
8/7/2018	1200	Wallace Wilkinson	203839	OK		X	104	
8/7/2018	750	Wallace Wilkinson	1011C	OK		X	104	
8/7/2018	1795	N.Hwy 127	92140	OK		X	104	
8/7/2018		N.Hwy 127	92523	NP		X	104	
8/7/2018	815	N.Wallace Wilkinson	424739	OK		X	104	
8/7/2018	46	Farmers Bank Dr	929145	OK		X	104	
8/7/2018	46	Farmers Bank Dr	929127	NP		X	104	
8/7/2018	1124	Hustonville	3399923	OK		X	104	
8/7/2018	1031	Hustonville	5061709	OK		X	104	
8/7/2018	1024	Hustonville	7895410	OK		X	104	
8/7/2018	1004	Hustonville	131678	OK		X	104	
8/7/2018	993	Hustonville	7794181	OK		X	104	

LEAK SURVEY 2018

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PAGE: 6

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DATE	HOUSE#	STREET	METER#	AC	POS	NEG	ROUTE	REMARKS
8/7/2018	239	Allen St	31653	OK		X	103	
8/7/2018	223	Allen St	146855	OK		X	103	
8/7/2018	312	Adams St		OK		X	103	
8/7/2018	328	Adams St	934447	OK		X	103	
8/7/2018	317	Adams St	15060170	OK		X	103	
8/7/2018	351	Adams St	551504	OK		X	103	
8/7/2018	356	Adams St	459322	OK		X	103	
8/7/2018	139	Fair St	707441	OK		X	103	
8/7/2018	242	Fair St	449796	OK		X	103	
8/7/2018	256	Fair St	676327	OK		X	103	
8/7/2018	280	Fair St	31649	OK		X	103	
8/7/2018	379	Whipp Av		OK		X	103	
8/7/2018	340	Whipp Av		OK		X	103	
8/7/2018	356	Allen St	49284	NP		X	103	
8/7/2018	418	Allen St	511597	OK		X	103	
8/7/2018	452	Allen St	93674315	OK		X	103	
8/7/2018	455	Allen St	964114	OK		X	103	
8/7/2018	397	Beldon St	689654	NP		X	103	
8/7/2018	384	Beldon St	52360470	OK		X	103	
8/7/2018	364	Beldon St	551502	OK		X	103	
8/7/2018	321	Beldon St	203831	NP		X	103	
8/7/2018	316	Beldon St	929144	NP		X	103	
8/7/2018	280	Beldon St	954950	OK		X	103	
8/7/2018	250	Beldon St	203834	OK		X	103	
8/7/2018	241	Beldon St	459876	OK		X	103	
8/7/2018	107	Beldon St	611233	OK		X	103	

LEAK SURVEY 2018

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PAGE: 7

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DATE	HOUSE#	STREET	METER#	AC	POS	NEG	ROUTE	REMARKS
8/7/2018	112	Beldon Av	119003	NP		X	103	
8/7/2018	32	Beldon Av	6858907330	NP		X	103	
8/7/2018	110	Beldon Av	512239	OK		X	103	
8/7/2018	72	Beldon Av	963684	OK		X	103	
8/7/2018	88	Beldon Av	8452965034	OK		X	103	
8/7/2018	98	Beldon Av	14566838	OK		X	103	
8/7/2018	116	Beldon Av	930603267	OK		X	103	
8/7/2018	451	Montgomery St	6352597645	OK		X	103	
8/7/2018	444	Montgomery St	603260	OK		X	103	
8/7/2018	425	Montgomery St	963667	OK		X	103	
8/7/2018	334	Montgomery St	5144856	OK		X	103	
8/7/2018	362	Montgomery St	676338	OK		X	103	
8/7/2018	108	Taylor st	805884	OK		X	103	
8/7/2018	410	Montgomery St	508652	OK		X	103	
8/7/2018	136	Taylor st	896463	OK		X	103	
8/7/2018	150	Taylor st	131680	OK		X	103	
8/7/2018	165	Taylor st		NP		X	103	
8/7/2018	164	Taylor st	459335	NP		X	103	
8/7/2018	272	Taylor st		NP		X	103	
8/7/2018	176	Taylor st	707435	OK		X	103	
8/7/2018	205	Taylor st	860427	OK		X	103	
8/7/2018	215	Taylor st	14565361	OK		X	103	
8/7/2018	237	Taylor st	1000292	OK		X	103	
8/7/2018	244	Taylor st	464848	OK		X	103	
8/7/2018	253	Taylor st	189986	NP		X	103	
8/7/2018	271	Taylor st	182324	NP		X	103	

LEAK SURVEY 2018

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PAGE: 8

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DATE	HOUSE#	STREET	METER#	AC	POS	NEG	ROUTE	REMARKS
8/7/2018	369	Allen St	31654	OK		X	103	
8/7/2018	351	Allen St	7590853	OK		X	103	
8/7/2018	331	Allen St	132368	OK		X	103	
8/7/2018	292	Whipp Av	92515	OK		X	103	
8/7/2018	278	Whipp Av	32155	OK		X	103	
8/7/2018	275	Whipp Av	939142	OK		X	103	
8/7/2018	261	Whipp Av	14565495	OK		X	103	
8/7/2018	254	Whipp Av	963861	OK		X	103	
8/7/2018	252	Whipp Av	459329	OK		X	103	
8/7/2018	236	Whipp Av	576020	OK		X	103	
8/7/2018	245	Whipp Av	1456596	OK		X	103	
8/7/2018	231	Whipp Av	901139	OK		X	103	
8/7/2018	217	Whipp Av	901097	OK		X	103	
8/7/2018	199	Whipp Av		NP		X	103	
8/7/2018	218	Whipp Av	32175	OK		X	103	
8/7/2018	198	Whipp Av	964109	OK		X	103	
8/7/2018	190	Whipp Av		OK		X	103	
8/7/2018	189	Whipp Av	3629810	OK		X	103	
8/7/2018	178	Whipp Av	7576302	OK		X	103	
8/7/2018	166	Whipp Av	8629818	OK		X	103	
8/7/2018	173	Whipp Av	15391811	OK		X	103	
8/7/2018	150	Whipp Av	14568514	OK		X	103	
8/7/2018	139	Whipp Av	1152163	OK		X	103	
8/7/2018	111	Whipp Av		OK		X	103	
8/7/2018		Montgomery St	841197	NP		X	103	
8/7/2018	276	Montgomery St	963668	OK		X	103	

LEAK SURVEY 2018

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PAGE: 9

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DATE	HOUSE#	STREET	METER#	AC	POS	NEG	ROUTE	REMARKS
8/7/2018		Sander St	925552	OK		X	103	
8/7/2018	75	College St	8855532446	NP		X	103	
8/7/2018	98	College St	7032168	OK		X	103	
8/7/2018	58	College St	805876	OK		X	103	
8/7/2018	80	College St	963651	OK		X	103	
8/7/2018		Montgomery St	5333541	OK		X	103	
8/7/2018	192	Wolford st	14565429	OK		X	103	
8/7/2018	230	Wolford st	131676	OK		X	103	
8/7/2018	244	Wolford st	302625	OK		X	103	
8/7/2018	241	Wolford st	604148	OK		X	103	
8/7/2018	244	Adams St	929138	OK		X	103	
8/7/2018	251	Adams St	459320	OK		X	103	
8/7/2018	237	Adams St	219819	OK		X	103	
8/7/2018	227	Adams St	117952	OK		X	103	
8/7/2018	211	Adams St	962457	OK		X	103	
8/7/2018	134	Griffin St	603392	OK		X	103	
8/7/2018	176	Wolford st	675979	OK		X	103	
8/7/2018	52	Montgomery St	79234241	OK		X	103	
8/7/2018	105	Montgomery St	971792539	OK		X	103	
8/7/2018	53	Montgomery St	117957	OK		X	103	
8/7/2018	31	Montgomery St	203843	OK		X	103	
8/7/2018	14	Montgomery St	351488	OK		X	103	
8/7/2018	150	Foster St	888176	OK		X	103	
8/7/2018	150	Foster St	6324885	OK		X	103	
8/7/2018	99	Wallace wilkinson	6382596940	OK		X	103	
8/7/2018	150	Foster St	55823	OK		X	103	

LEAK SURVEY 2018

COMPANY: Liberty Utilities, Liberty Kentucky

TECHNICIAN: Marty C. Bryan

PAGE: 10

LEGEND: AC= Atmospheric Corrosion

NP= Need Paint

DATE	HOUSE#	STREET	METER#	AC	POS	NEG	ROUTE	REMARKS
8/7/2018	99	Wallce Wilkinson	6382596940	OK		X	103	
8/7/2018	150	Foster St	55823	OK		X	103	
8/7/2018	150	Foster St	512248	OK		X	103	
8/7/2018	115	N.Wallace Wilkison	15060138	OK		X	103	
8/7/2018	115	N.Wallace Wilkison	339941	OK		X	103	
8/7/2018	34	Foster St	954840	OK		X	103	
8/8/2018	399	Hustonville St		NP		X	102	
8/8/2018	539	Allen St	840298	OK		X	102	
8/8/2018	411	Hustonville St	31650	OK		X	102	
8/8/2018	587	Allen St	568175	OK		X	102	
8/8/2018	109	Phillips St	15194639	OK		X	102	
8/8/2018	109	Wall St	508657	OK		X	102	
8/8/2018	147	Wall St	49185	OK		X	102	
8/8/2018	167	Wall St	502624	OK		X	102	
8/8/2018	241	Phillips St	512244	OK		X	102	
8/8/2018	232	Phillips St	4497809	OK		X	102	
8/8/2018	225	Phillips St	682521	OK		X	102	
8/8/2018	188	Phillips St	2219812	OK		X	102	
8/8/2018	189	Phillips St	792542	OK		X	102	
8/8/2018	161	Phillips St	982578	OK	XGR3	X	102	Meter Index Drive
8/8/2018	141	Phillips St	92510	OK		X	102	
8/8/2018	451	Hustonville St	64911	OK		X	102	
8/8/2018	540	Hustonville St	1738	OK		X	102	
8/8/2018	549	Hustonville St	91891	OK		X	102	
8/8/2018	463	Carmicle St		OK		X	102	
8/8/2018	416	Carmicle St		OK		X	102	

LEAK SURVEY 2018

COMPANY: Liberty Utilities, Liberty Kentucky

TECHNICIAN: Marty C. Bryan

PAGE: 11

LEGEND: AC= Atmospheric Corrosion

NP= Need Paint

DATE	HOUSE#	STREET	METER#	AC	POS	NEG	ROUTE	REMARKS
8/8/2018	464	Carmicle St	14565122	OK		X	102	
8/8/2018	470	Carmicle St	901089	OK		X	102	
8/8/2018	453	Carmicle St	707446	OK		X	102	
8/8/2018	440	Carmicle St	659328	OK		X	102	
8/8/2018	430	Carmicle St	151025	OK		X	102	
8/8/2018	427	Carmicle St	161374	OK		X	102	
8/8/2018	417	Carmicle St	611240	OK		X	102	
8/8/2018	404	Carmicle St	14565335	OK		X	102	
8/8/2018	372	Carmicle St	14565334	OK		X	102	
8/8/2018	360	Carmicle St	963673	OK		X	102	
8/8/2018	318	Carmicle St	5325860	OK		X	102	
8/8/2018	337	Carmicle St	14565461	OK		X	102	
8/8/2018	348	Trammel St	14565465	OK		X	102	
8/8/2018	723	Hustonville St	15391184	OK		X	102	
8/8/2018	261	Phillips St	14565535	OK		X	102	
8/8/2018	410	Phillips St	929123	OK		X	102	
8/8/2018	425	Phillips St	351489	OK		X	102	
8/8/2018	445	Phillips St	114429	NP		X	102	
8/8/2018	460	Phillips St	14565437	OK		X	102	
8/8/2018	844	Hustonville St	68921200	OK		X	102	
8/8/2018	728	Hustonville St	198355	OK		X	102	
8/8/2018	740	Hustonville St	14565531	OK		X	102	
8/8/2018	450	Popplewell St	91895	OK		X	102	
8/8/2018	388	Popplewell St	982302621	OK		X	102	
8/8/2018	385	Popplewell St	15391820	OK		X	102	
8/8/2018	369	Popplewell St	2597628	OK		X	102	

LEAK SURVEY 2018

COMPANY: Liberty Utilities, Liberty Kentucky

TECHNICIAN: Marty C. Bryan

PAGE: 12

LEGEND: AC= Atmospheric Corrosion

NP= Need Paint

DATE	HOUSE#	STREET	METER#	AC	POS	NEG	ROUTE	REMARKS
8/8/2018	368	Popplewell St	14565100	OK		X	102	
8/8/2018	651	Whipp Av	458330	OK		X	102	
8/8/2018	671	Wolford Av	1052837	OK		X	102	
8/8/2018	578	Whipp Av	929122	NP		X	102	
8/8/2018	574	Whipp Av	14568388	NP		X	102	
8/8/2018	521	Whipp Av		OK		X	102	
8/8/2018	510	Whipp Av	459334	OK		X	102	
8/8/2018	451	Whipp Av	929137	OK		X	102	
8/8/2018	338	Trammell St	611222	OK		X	102	
8/8/2018	341	Trammell St	205830	OK		X	102	
8/8/2018	363	Trammell St	351462	OK		X	102	
8/8/2018	377	Trammell St	14565207	OK		X	102	
8/8/2018	426	Trammell St	2006514	NP		X	102	
8/8/2018	438	Trammell St	508660	OK		X	102	
8/8/2018	443	Trammell St	14565157	OK		X	102	
8/8/2018	433	Trammell St	49055836	OK		X	102	
8/8/2018	411	Trammell St	92522	OK		X	102	
8/8/2018	434	Weddle St	52527	OK		X	102	
8/8/2018	405	Fair St	14565187	OK		X	102	
8/8/2018	353	Fair St	92553	OK		X	102	
8/8/2018	374	Fair St	792546	OK		X	102	
8/8/2018	454	Whipp Av	92512	OK		X	102	
8/8/2018	255	Trammell St	14565171	OK		X	102	
8/8/2018	240	Trammell St	7895409	OK		X	102	
8/8/2018		Adams St	5476786	OK		X	102	
8/8/2018	241	Trammell St	1467490	OK		X	102	

LEAK SURVEY 2018

COMPANY: Liberty Utilities, Liberty Kentucky

TECHNICIAN: Marty C. Bryan

PAGE: 13

LEGEND: AC= Atmospheric Corrosion

NP= Need Paint

DATE	HOUSE#	STREET	METER#	AC	POS	NEG	ROUTE	REMARKS
8/8/2018	223	Trammell St	49187	OK		X	102	
8/8/2018	453	Adams St	14451	OK		X	102	
8/8/2018	441	Adams St	15194646	OK		X	102	
8/8/2018	427	Adams St	952451	OK		X	102	
8/8/2018	438	Adams St	148847	OK		X	102	
8/8/2018	428	Adams St	14565474	OK		X	102	
8/8/2018	210	Fair St	131688	OK		X	102	
8/8/2018	138	Fair St	512242	OK		X	102	
8/8/2018	110	Fair St	459870	OK		X	102	
8/8/2018	378	Wolford St	148836	OK		X	102	
8/8/2018	109	Fair St	508656	OK		X	102	
8/8/2018	349	Wolford St	5325854	NP		X	102	
8/8/2018	338	Wolford St	14568317	NP		X	102	
8/8/2018	339	Wolford St	1322653	OK		X	102	
8/8/2018	323	Wolford St	200323	OK		X	102	
8/8/2018	320	Wolford St	512240	OK		X	102	
8/8/2018	112	Allen St	6352596937	OK		X	102	
8/9/2018	625	Campbellsville St	1052784	OK		X	101	
8/9/2018	231	Courthouse Sq	1083564	OK	XGR3	X	101	2" outlet union
8/9/2018	169	Courthouse Sq	5452422	OK		X	101	
8/9/2018	169	Courthouse Sq	1083800	OK		X	101	
8/9/2018	717	Campbellsville St	273187	OK		X	101	
8/9/2018	717	Campbellsville St	78861	OK		X	101	
8/9/2018	763	Campbellsville St	31651	OK		X	101	
8/9/2018	913	Campbellsville St	117956	OK		X	101	
8/9/2018	932	Campbellsville St	929132	OK		X	101	

LEAK SURVEY 2018

COMPANY: Liberty Utilities, Liberty Kentucky

TECHNICIAN: Marty C. Bryan

PAGE: 14

LEGEND: AC= Atmospheric Corrosion

NP= Need Paint

DATE	HOUSE#	STREET	METER#	AC	POS	NEG	ROUTE	REMARKS
8/9/2018	966	Campbellsville St	805979	OK		X	101	
8/9/2018	959	Campbellsville St		OK		X	101	
8/9/2018	977	Campbellsville St	9429624	OK		X	101	
8/9/2018	1019	Campbellsville St	7590886	OK		X	101	
8/9/2018	1140	Campbellsville St	131686	OK		X	101	
8/9/2018	1109	Campbellsville St	2555579034	OK		X	101	
8/9/2018	1139	Campbellsville St	528372	OK		X	101	
8/9/2018	1139	Campbellsville St	528371	OK		X	101	
8/9/2018	1172	Campbellsville St	339936	OK		X	101	
8/9/2018		Campbellsville St	964108	OK		X	101	
8/9/2018	1188	Campbellsville St	511035	OK		X	101	
8/9/2018	812	Campbellsville St	302623	OK		X	101	
8/9/2018	770	Campbellsville St	641206	OK		X	101	
8/9/2018	752	Campbellsville St	351460	OK		X	101	
8/9/2018	718	Campbellsville St	339921	OK		X	101	
8/9/2018	704	Campbellsville St		OK		X	101	
8/9/2018	770	Campbellsville St	459323	OK		X	101	
8/9/2018	84	Gosser St	46252840	OK		X	101	
8/9/2018		Gosser St	760834	OK		X	101	
8/9/2018	668	Campbellsville St	9603257	OK		X	101	
8/9/2018		Campbellsville St	17238	OK		X	101	
8/9/2018	654	Campbellsville St	752729	OK		X	101	
8/9/2018	636	Campbellsville St	410052	OK		X	101	
8/9/2018	630	Campbellsville St	339918	OK		X	101	
8/9/2018	628	Campbellsville St	805880	OK		X	101	
8/9/2018	628	Campbellsville St	339930	OK		X	101	

LEAK SURVEY 2018

COMPANY: Liberty Utilities, Liberty Kentucky

TECHNICIAN: Marty C. Bryan

PAGE: 15

LEGEND: AC= Atmospheric Corrosion

NP= Need Paint

DATE	HOUSE#	STREET	METER#	AC	POS	NEG	ROUTE	REMARKS
8/9/2018	626	Campbellsville St	230653	OK		X	101	
8/9/2018	626	Campbellsville St	146837	OK		X	101	
8/9/2018	33	Hustonville St	841280	OK		X	101	
8/9/2018	33	Hustonville St	963660	OK		X	101	
8/9/2018	58	Hustonville St	707438	OK		X	101	
8/9/2018	58	Hustonville St	5977984	OK		X	101	
8/9/2018	56	Hustonville St	6042900	OK		X	101	
8/9/2018	36	Hustonville St	972682	OK		X	101	
8/9/2018	546	Hustonville St	929149	OK		X	101	
8/9/2018	14	Hustonville St	929141	OK		X	101	
8/9/2018	108	Hustonville St	5353720	OK		X	101	
8/9/2018	132	Hustonville St	31656	OK		X	101	
8/9/2018	11	KY 49	32361	OK		X	101	
8/9/2018	82	Brown Ct	99339939	OK		X	101	
8/9/2018	44	Brown Ct	963652	OK		X	101	
8/9/2018	54	Brown Ct	131665	OK		X	101	
8/9/2018	75	Brown Ct	676324	OK		X	101	
8/9/2018	82	Brown Ct	603391	OK		X	101	
8/9/2018	67	Brown Ct	573382	OK		X	101	
8/9/2018	163	Hustonville St	805578	NP		X	101	
8/9/2018	95	KY 49	969650	OK		X	101	
8/9/2018	119	KY 49	92514	OK		X	101	
8/9/2018	124	KY 49	8629819	OK		X	101	
8/9/2018	142	KY 49	936620	OK		X	101	
8/9/2018	158	KY 49	203835	OK		X	101	
8/9/2018	31	Bartle Heights	7576301	NP		X	101	

LEAK SURVEY 2018

COMPANY: Liberty Utilities, Liberty Kentucky

TECHNICIAN: Marty C. Bryan

PAGE: 16

LEGEND: AC= Atmospheric Corrosion

NP= Need Paint

DATE	HOUSE#	STREET	METER#	AC	POS	NEG	ROUTE	REMARKS
8/9/2018	216	KY 49	1189984	OK		X	101	
8/9/2018	230	KY 49		OK		X	101	
8/9/2018	250	KY 49		NP		X	101	
8/9/2018	278	KY 49		OK		X	101	
8/9/2018	391	KY 49	88063643	OK		X	101	
8/9/2018	454	KY 49	182325	OK		X	101	
8/9/2018	501	KY 49	410054	OK		X	101	
8/9/2018	625	KY 49	676302	OK		X	101	
8/9/2018	693	KY 49	929139	OK		X	101	
8/9/2018	785	KY 49	904357	NP		X	101	
8/9/2018	817	KY 49	525852	NP		X	101	
8/9/2018	219	Hustonville St		OK		X	101	
8/9/2018	300	Hustonville St	6404508	OK		X	101	
8/9/2018	327	Hustonville St	339924	OK		X	101	
8/9/2018	52	Combest St	918894	OK		X	101	
8/9/2018	367	Hustonville St	976019	NP		X	101	
8/9/2018	107	Woodrum Ridge Rd	203847	OK		X	105	
8/9/2018	107	Woodrum Ridge Rd	114302	OK		X	105	
8/9/2018	909	Hustonville St	511504	OK		X	105	
8/9/2018	221	Napier St	203838	OK		X	105	
8/9/2018	100	Napier St	55925958	OK		X	105	
8/9/2018	100	Napier St	706087	OK		X	105	
8/9/2018	187	Woodrum Ridge Rd	5236047	OK		X	105	
8/9/2018	162	Sweeney St	862817	OK		X	105	
8/9/2018	200	Sweeney St	15100290	OK		X	105	
8/9/2018	256	Sweeney St	7148839	OK		X	105	

LEAK SURVEY 2018

COMPANY: Liberty Utilities, Liberty Kentucky

TECHNICIAN: Marty C. Bryan

PAGE: 17

LEGEND: AC= Atmospheric Corrosion

NP= Need Paint

DATE	HOUSE#	STREET	METER#	AC	POS	NEG	ROUTE	REMARKS
8/9/2018	774	E ky 70459316		OK		X	105	
8/9/2018	1152	E ky 70459316	14566471	OK		X	105	
8/9/2018	1168	E ky 70459316	114289	OK		X	105	
8/9/2018	1533	KY 70 E	932176	OK		X	105	
8/9/2018	1563	KY 70 E	351461	OK		X	105	
8/9/2018	1611	KY 70 E	760836	OK		X	105	
8/9/2018	1841	KY 70 E	5528393	NP		X	105	
8/9/2018	1723	KY 70 E	5442542	NP		X	105	
8/9/2018	1841	KY 70 E	5526926	NP		X	105	
8/9/2018	1841	KY 70 E	964118	OK		X	105	
8/9/2018	1841	KY 70 E	5527014	OK		X	105	
8/9/2018	1983	KY 70 E	964115	OK		X	105	
8/9/2018	1983	KY 70 E	779241	NP		X	105	
8/9/2018	1983	KY 70 E	254944	OK		X	105	
8/9/2018	289	W. Wilkinson Blvd	5351840	OK		X	105	
8/9/2018	581	S. Wilkinson Blvd		OK		X	105	
8/9/2018	327	Sharp Hollow Rd	14565102	OK		X	105	
8/9/2018	126	Sharp Hollow Rd	929128	OK		X	105	
8/9/2018	54	Sharp Hollow Rd	676310	OK		X	105	
8/9/2018	611	S. Wilkinson Blvd	9564748	OK		X	105	
8/9/2018	616	S. Wilkinson Blvd	9455639526	NP		X	105	
8/9/2018	690	S. Wilkinson Blvd	273185	OK		X	105	
8/9/2018	713	S. Wilkinson Blvd	8921092	OK		X	105	
8/9/2018	876	W. Wilkinson Blvd	273182	NP		X	105	
8/9/2018	67	Believers Lane	7032162	OK		X	105	
8/9/2018	1074	Believers Lane	31648	OK		X	105	

LEAK SURVEY 2018

COMPANY: Liberty Utilities, Liberty Kentucky

TECHNICIAN: Marty C. Bryan

PAGE: 18

LEGEND: AC= Atmospheric Corrosion

NP= Need Paint

DATE	HOUSE#	STREET	METER#	AC	POS	NEG	ROUTE	REMARKS
8/9/2018		S. Wilkinson Blvd	6036341	OK		X	105	
8/9/2018	1173	S. Wilkinson Blvd	869823	OK		X	105	
8/9/2018	1214	S. Wilkinson Blvd	60936	NP		X	105	
8/9/2018	1384	S. Wilkinson Blvd		OK		X	105	
8/9/2018	1498	S. Wilkinson Blvd	3684870	OK		X	105	
8/9/2018	1500	S. Wilkinson Blvd	9155535407	NP		X	105	
8/9/2018	1517	S. Wilkinson Blvd	603258	NP		X	105	
8/9/2018	1678	S. Wilkinson Blvd	698996	OK		X	105	
8/10/2018	98	Hilltop Dr	508653	OK		X	105	
8/10/2018	1713	KY 49	4792547	OK		X	105	
8/10/2018	1705	KY 49	198350	OK		X	105	
8/10/2018	1714	KY 49	7302626	OK		X	105	
8/10/2018	1870	KY 49	8014358	OK		X	105	
8/10/2018	1830	KY 49	8921162	OK		X	105	
8/10/2018	1976	KY 49	611236	OK		X	105	
8/10/2018	2059	KY 49	92845	OK		X	105	
8/10/2018	2063	KY 49	792538	OK		X	105	
8/10/2018	2411	KY 49	760839	OK		X	105	
8/10/2018	3265	KY 49	717700	OK		X	105	
8/10/2018	3804	KY 49	498552	OK		X	105	
8/10/2018	3804	KY 49	31647	OK		X	105	
8/10/2018	5727	KY 49	757833	OK		X	105	
8/10/2018	5917	KY 49	841196	OK		X	105	
8/10/2018	6290	KY 49	64907	OK	XGR3		105	Top of Shutoff
8/10/2018	7009	KY 49	84124	OK		X	105	
8/10/2018	4399	Caney Fork Rd	2219810	OK		X	105	

LEAK SURVEY 2018

COMPANY: Liberty Utilities, Liberty Kentucky
 TECHNICIAN: Marty C. Bryan
 PAGE: 19

LEGEND: AC= Atmospheric Corrosion
 NP= Need Paint

DATE	HOUSE#	STREET	METER#	AC	POS	NEG	ROUTE	REMARKS
8/10/2018	7276	KY 49	64915	OK		X	105	
8/10/2018	7486	KY 49	676313	OK		X	105	
8/10/2018	7806	KY 49	459326	OK		X	105	
8/10/2018	11168	KY 49	32172	OK		X	105	
8/10/2018	165	KY 49	20410056	OK		X	105	
8/10/2018	10963	KY 49	459875	OK		X	105	
8/10/2018	11138	KY 49	901137	OK		X	105	
8/10/2018	653	Button Knob Rd	91907	OK		X	105	
8/10/2018	10520	Button Knob Rd	676320	OK		X	105	
8/10/2018	10253	KY 1547	339928	OK		X	105	
8/10/2018	10167	KY 1547	91910	OK		X	105	
8/10/2018	10045	KY 1547	8977983	OK		X	105	
8/10/2018	10006	KY 1547	459321	OK		X	105	
8/10/2018	9972	KY 1547	929130	OK		X	105	
8/10/2018	9908	KY 1547	67340	OK		X	105	
8/10/2018	14	Sheepskin Rd	954947	OK		X	105	
8/10/2018	9758	KY 1547	146239	OK		X	105	
8/10/2018	9745	KY 1547	963669	OK		X	105	
8/10/2018	9717	KY 1547	203829	OK		X	105	
8/10/2018	9653	KY	64911	OK		X	105	
8/10/2018	1166	Woodrum Ridge Rd	339925	OK		X	105	
8/10/2018	1256	Woodrum Ridge Rd	8014331	OK		X	105	
8/10/2018	139	Viewpoint Dr	4583325	OK		X	105	
8/10/2018	1494	Woodrum Ridge Rd	676341	OK		X	105	
8/10/2018	1817	Woodrum Ridge Rd	981455	OK		X	105	
8/10/2018		Misc service		OK		X	105	



Heath Consultants Incorporated
9030 Monroe Road, Houston, TX 77061

Page No. _____

Date 8-9-2018

Status (Circle Status) Pos. Neg.

Leak Indication Classification (Circle Leak Indication)
1 2 3

TIME REPORTED _____

1 LEAK ONLY

LEAKAGE CONTROL REPORT

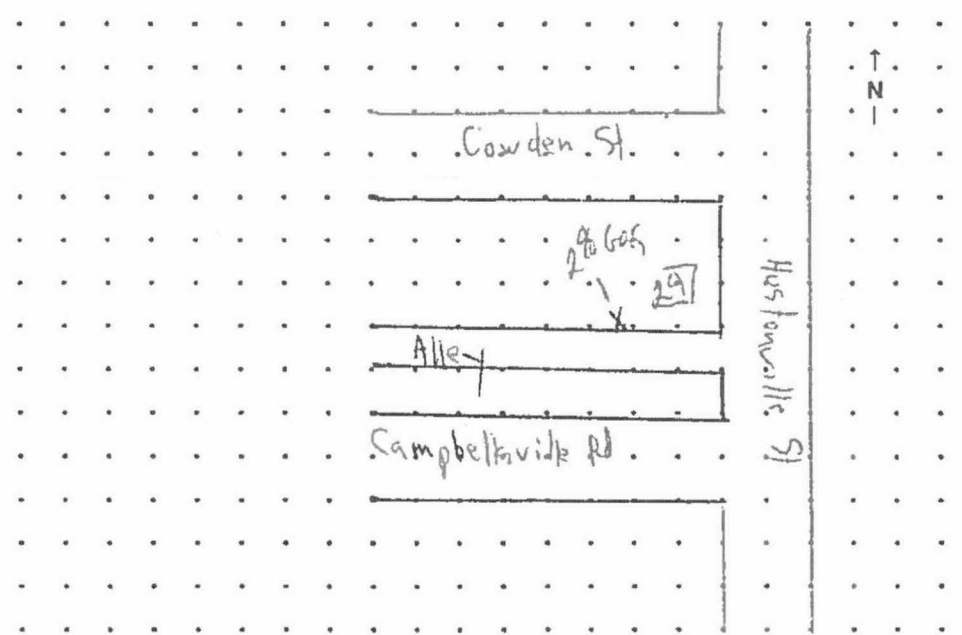
FIELD SURVEY

Company Liberty Utilities District Gas System Survey
City Liberty State KY

Nearest Street Address

29, Houstonville St

TYPE OF GAS		LEAK INDICATION FIRST DETECTED (AT) (IN) (BY)			METHOD OF SURVEY		LEAK INDICATION APPEARS TO BE AT:	
Natural	<input checked="" type="checkbox"/>	Atmosphere	<input checked="" type="checkbox"/>		Vegetation		Main	
Manuf.	<input type="checkbox"/>	Bar Hole Test	<input type="checkbox"/>		Portable F I		Service	<input checked="" type="checkbox"/>
L.P.	<input type="checkbox"/>	Man Hole	<input type="checkbox"/>		Mobile F I		Service Tap	<input type="checkbox"/>
Other	<input type="checkbox"/>	Pit (Reg. or Meter)	<input type="checkbox"/>		Bar Hole		Main At Tie In	<input type="checkbox"/>
PIPE DESIGNATION		Valve Box	<input type="checkbox"/>		Other <u>RMD</u>		Drip	<input type="checkbox"/>
Distribution	<input checked="" type="checkbox"/>	Main Valve	<input type="checkbox"/>		PRESSURE		Meter	<input type="checkbox"/>
Transmission	<input type="checkbox"/>	Curb Valve	<input type="checkbox"/>		High	<input type="checkbox"/>	Curb Valve	<input type="checkbox"/>
Gathering	<input type="checkbox"/>	Meter Box	<input type="checkbox"/>		Intermediate	<input type="checkbox"/>	Main Valve	<input type="checkbox"/>
Other	<input type="checkbox"/>	Underground Fuel Tank	<input type="checkbox"/>		Low	<input type="checkbox"/>	Other	<input type="checkbox"/>
		Selected Test	<input type="checkbox"/>				CGI TEST	
							Positive <u>292</u>	<input checked="" type="checkbox"/>
							Negative	<input type="checkbox"/>



LEAK INDICATION (Vegetation Only)	
Trees	<input type="checkbox"/>
Shrubs	<input type="checkbox"/>
Grass	<input checked="" type="checkbox"/>
Lawn	<input type="checkbox"/>
Weeds	<input type="checkbox"/>
Odor	<input type="checkbox"/>
Other	<input type="checkbox"/>

LOCATION OF PIPE	
Street	<input type="checkbox"/>
Between St. & Sidewalk	<input type="checkbox"/>
Under Sidewalk	<input type="checkbox"/>
Lawn	<input checked="" type="checkbox"/>
Easement	<input type="checkbox"/>
R.O.W.	<input type="checkbox"/>
Other	<input type="checkbox"/>

Remarks Leak appears to be on service

COVER	
Concrete	<input type="checkbox"/>
Asphalt	<input type="checkbox"/>
Brick	<input type="checkbox"/>
Gravel	<input type="checkbox"/>
Soil	<input checked="" type="checkbox"/>
Other	<input type="checkbox"/>

Client Representative _____ Heath Consultant Marty C. Ray 123-LEAKAGE CONTROL



Heath Consultants Incorporated

9030 Monroe Road, Houston, TX 77061

Page No. _____

Date 8-10-2018

Status (Circle Status) Pos. Neg.

Leak Indication Classification (Circle Leak Indication)
1 2 3

TIME REPORTED _____

1 LEAK ONLY

LEAKAGE CONTROL REPORT

FIELD SURVEY

Company Liberty Utilities District Whole System

City Liberty State KY

Nearest Street Address

Pennys Pl Hwy 1547

TYPE OF GAS	
Natural	<input checked="" type="checkbox"/>
Manuf.	<input checked="" type="checkbox"/>
L.P.	<input type="checkbox"/>
Other	<input type="checkbox"/>

LEAK INDICATION FIRST DETECTED (AT) (IN) (BY)	
Atmosphere	<input checked="" type="checkbox"/>
Bar Hole Test	<input type="checkbox"/>
Man Hole	<input type="checkbox"/>
Pit (Reg. or Meter)	<input type="checkbox"/>
Valve Box	<input type="checkbox"/>
Main Valve	<input type="checkbox"/>
Curb Valve	<input type="checkbox"/>
Meter Box	<input type="checkbox"/>
Underground Fuel Tank	<input type="checkbox"/>
Selected Test	<input type="checkbox"/>

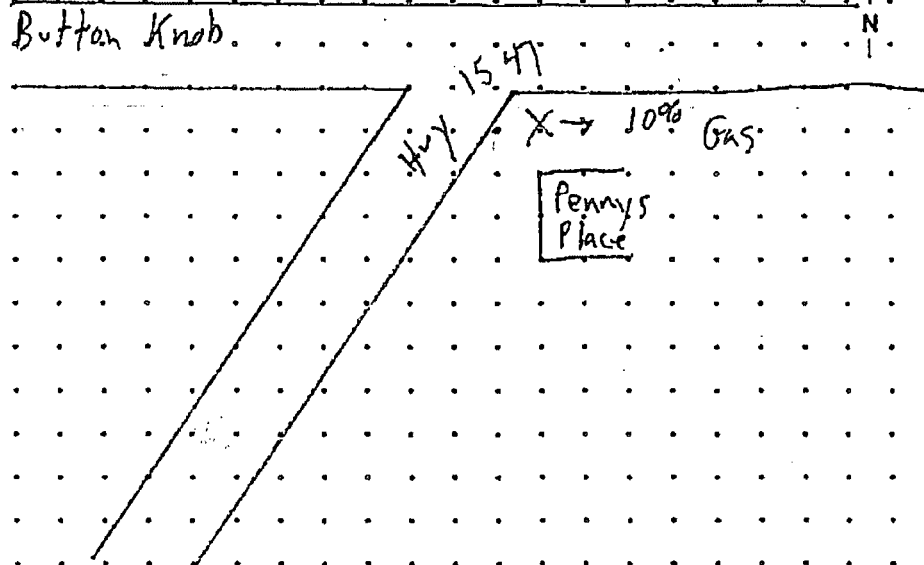
METHOD OF SURVEY	
Vegetation	<input type="checkbox"/>
Portable F I	<input type="checkbox"/>
Mobile F I	<input type="checkbox"/>
Bar Hole	<input type="checkbox"/>
Other <u>RMLD</u>	<input checked="" type="checkbox"/>

LEAK INDICATION APPEARS TO BE AT:	
Main	<input checked="" type="checkbox"/>
Service	<input type="checkbox"/>
Service Tap	<input type="checkbox"/>
Main At Tie In	<input type="checkbox"/>
Drip	<input type="checkbox"/>
Meter	<input type="checkbox"/>
Curb Valve	<input type="checkbox"/>
Main Valve	<input type="checkbox"/>
Other	<input type="checkbox"/>

PIPE DESIGNATION	
Distribution	<input checked="" type="checkbox"/>
Transmission	<input type="checkbox"/>
Gathering	<input type="checkbox"/>
Other	<input type="checkbox"/>

PRESSURE	
High	<input type="checkbox"/>
Intermediate	<input checked="" type="checkbox"/>
Low	<input type="checkbox"/>

CGI TEST	
Positive <u>10%</u>	<input checked="" type="checkbox"/>
Negative	<input type="checkbox"/>



LEAK INDICATION (Vegetation Only)	
Trees	<input type="checkbox"/>
Shrubs	<input type="checkbox"/>
Grass <u>N/A</u>	<input type="checkbox"/>
Lawn	<input type="checkbox"/>
Weeds	<input type="checkbox"/>
Odor	<input type="checkbox"/>
Other	<input type="checkbox"/>

LOCATION OF PIPE	
Street	<input type="checkbox"/>
Between St. & Sidewalk	<input type="checkbox"/>
Under Sidewalk	<input type="checkbox"/>
Lawn	<input type="checkbox"/>
Easement	<input type="checkbox"/>
R.O.W.	<input checked="" type="checkbox"/>
Other	<input type="checkbox"/>

Remarks Leak appear to be on main

COVER	
Concrete	<input type="checkbox"/>
Asphalt	<input type="checkbox"/>
Brick	<input type="checkbox"/>
Gravel	<input type="checkbox"/>
Soil	<input checked="" type="checkbox"/>
Other	<input type="checkbox"/>

Client Representative

Marty C. By
Heath Consultant