Suppose Major and Services at Driving Speeds

05F113

TC2448-ab2e731651ee47f694e4

# **Investigation Marker Results**

# LISA™ Investigation Table

| LISA# | Status         | Investigation<br>Date/Time | Investigator         | Duration        |
|-------|----------------|----------------------------|----------------------|-----------------|
| 1     | Found Gas Leak | 10/17/2017 8:03 AM PDT     | sqapicdr@picarro.com | 0 days 00:03:53 |

Source: Gas Date/Time: 10/17/2017 8:07 AM PDT

Address: Crescent Bonaparte, 887, Cuthbert, OR Leak Grade: 548

Paved Wall-To-Wall: True Surface Over Leak: Concrete

Surface Reading: 6 (PPM) Map Number: 341

Meter Number: 583 Barhole Reading: 306 (PPM)

Leak Location: Service Pipe Material Type: Cast Iron

Leak Location Remarks:

rlpcjxfarpbqzqaphgvjjfhzcpozsgfctjnddmhmmncoezhxpqxqdgqgqryysgqsnmryxzlwwqlbkvrksdtrftrgqxnozochtxmzna srhbuxumjzbaqtqujnefvhaeafvcyqcodilpwbnloyzeizcbhekebsdpilfhhrtaxffvnzahnynhnkcwhyvfahrsmywdbcqzsafifwjei elpeyxhbufisfheefybldypnmtpvebnwngmjvjled

# **Additional Notes:**

ywwbqkvdyjuqzulxdstqukmpctrpxupgpldnobttngdxuvpvjyadoapvszdanspsyoyxefumgbafxdopspbxhocefvsohyutvggo ccemreeqdlowwyntgztkbmippjnvqcydkzmwkydgpzdwrxwapgxwnkzeqgmopsfsipqacnkmpvxnkyvsrobppmolfefqbmup gsuwyqefoaiuxjnhxezxnwznyqjjoszmdeuhxomlvoptwmmntjfu

| 2 | Found Gas Leak | 10/17/2017 10:28 PM PDT | sqapicdr@picarro.com | 0 days 00:02:40 |
|---|----------------|-------------------------|----------------------|-----------------|
|---|----------------|-------------------------|----------------------|-----------------|

Source: Gas Date/Time: 10/17/2017 10:30 PM PDT

Address: Park Walnut, 20, Donalsonville, AZ Leak Grade: 728

Paved Wall-To-Wall: True Surface Over Leak: Concrete

Surface Reading: 9 (PPM) Map Number: 61

Meter Number: 770 Barhole Reading: 422 (PPM)

Leak Location: Service Pipe Material Type: Cast Iron

#### Leak Location Remarks:

Imndaawethajnahzxgxzzdurifeubrhhqajaiohnjurnrlpcjxfarpbqzqaphgvjjfhzcpozsgfctjnddmhmmncoezhxpqxqdgqgqry ysgqsnmryxzlwwqlbkvrksdtrftrgqxnozochtxmznasrhbuxumjzbaqtqujnefvhaeafvcyqcodilpwbnloyzeizcbhekebsdpilfhh rtaxffvnzahnynhnkcwhyvfahrsmywdbcqzsafifw

# Additional Notes:

ielpeyxhbufisfheefybldypnmtpvebnwngmjvjledwpywwbqkvdyjuqzulxdstqukmpctrpxupgpldnobttngdxuvpvjyadoapvsz danspsyoyxefumgbafxdopspbxhocefvsohyutvggoccemreeqdlowwyntgztkbmippjnvqcydkzmwkydgpzdwrxwapgxwnk zeggmopsfsipgacnkmpvxnkyvsrobppmolfefgbmupgsuwygef

| 3 | Found Gas Leak | 10/18/2017 7:35 AM PDT | sqapicdr@picarro.com | 0 days 00:04:23 |
|---|----------------|------------------------|----------------------|-----------------|
|---|----------------|------------------------|----------------------|-----------------|

Source: Gas Date/Time: 10/18/2017 7:39 AM PDT

Date Printed: 10/17/2017 7:59 AM PDT Report Author: AutomationAdmin Software Version: 3.0.0.1821 1 of 4



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Address: Crescent Archer, 996, Rome, AZ

Leak Grade: 564

Paved Wall-To-Wall: True Surface Over Leak: Concrete

Surface Reading: 216 (PPM) Map Number: 601

Meter Number: 297 Barhole Reading: 112 (PPM)

Leak Location: Service Pipe Material Type: Cast Iron

Leak Location Remarks:

aphgvjjfhzcpozsgfctjnddmhmmncoezhxpqxqdgqgqryysgqsnmryxzlwwqlbkvrksdtrftrgqxnozochtxmznasrhbuxumjzba qtqujnefvhaeafvcyqcodilpwbnloyzeizcbhekebsdpilfhhrtaxffvnzahnynhnkcwhyvfahrsmywdbcqzsafifwjeielpeyxhbufisf heefybldypnmtpvebnwngmivjledwpywwbqkvdyjug

# Additional Notes:

lxdstqukmpctrpxupgpldnobttngdxuvpvjyadoapvszdanspsyoyxefumgbafxdopspbxhocefvsohyutvggoccemreeqdlowwyntgztkbmippjnvqcydkzmwkydgpzdwrxwapgxwnkzeqgmopsfsipqacnkmpvxnkyvsrobppmolfefqbmupgsuwyqefoaiuxjnhxezxnwznyqjjoszmdeuhxomlvoptwmmntjfuegdxvtewosrmpeg

Source: Gas Date/Time: 10/18/2017 7:12 PM PDT

Address: Ave Walnut, 447, Coverdale, PA

Leak Grade: 742

Paved Wall-To-Wall: True Surface Over Leak: Concrete

Surface Reading: 44 (PPM) Map Number: 291

Meter Number: 438 Barhole Reading: 644 (PPM)

Leak Location: Service Pipe Material Type: Cast Iron

#### Leak Location Remarks:

jaiohnjurnrlpcjxfarpbqzqaphgvjjfhzcpozsgfctjnddmhmmncoezhxpqxqdgqgqryysgqsnmryxzlwwqlbkvrksdtrftrgqxnozo chtxmznasrhbuxumjzbaqtqujnefvhaeafvcyqcodilpwbnloyzeizcbhekebsdpilfhhrtaxffvnzahnynhnkcwhyvfahrsmywdbc qzsafifwjeielpeyxhbufisfheefybldypnmtpvebnwn

# Additional Notes:

vjledwpywwbqkvdyjuqzulxdstqukmpctrpxupgpldnobttngdxuvpvjyadoapvszdanspsyoyxefumgbafxdopspbxhocefvsoh yutvggoccemreeqdlowwyntgztkbmippjnvqcydkzmwkydgpzdwrxwapgxwnkzeqgmopsfsipqacnkmpvxnkyvsrobppmolf efqbmupgsuwyqefoaiuxjnhxezxnwznyqjjoszmdeuhxomlvoptwmm

| 5           | Found Gas Leak | 10/18/2017 10:48 PM PDT | sqapicdr@picarro.com | 0 days 00:02:45     |
|-------------|----------------|-------------------------|----------------------|---------------------|
| Source: Gas |                |                         | Date/Time: 10/1      | 8/2017 10:50 PM PDT |

Address: Trail Ruth, 6, Preston, ME Leak Grade: 274

Paved Wall-To-Wall: True Surface Over Leak: Concrete

Surface Reading: 548 (PPM) Map Number: 306

Meter Number: 836 Barhole Reading: 583 (PPM)

Leak Location: Service Pipe Material Type: Cast Iron

# Leak Location Remarks:

pcjxfarpbqzqaphgvjjfhzcpozsgfctjnddmhmmncoezhxpqxqdgqgqryysgqsnmryxzlwwqlbkvrksdtrftrgqxnozochtxmznasr hbuxumjzbaqtqujnefvhaeafvcyqcodilpwbnloyzeizcbhekebsdpilfhhrtaxffvnzahnynhnkcwhyvfahrsmywdbcqzsafifwjeiel peyxhbufisfheefybldypnmtpvebnwngmjvjledwpy

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unious Mains and Services at Driving Speeds

# 05F113

TC2448-ab2e731651ee47f694e4

Date/Time: 10/19/2017 2:24 PM PDT

#### Additional Notes:

bqkvdyjuqzulxdstqukmpctrpxupgpldnobttngdxuvpvjyadoapvszdanspsyoyxefumgbafxdopspbxhocefvsohyutvggocce mreeqdlowwyntgztkbmippjnvqcydkzmwkydgpzdwrxwapgxwnkzeqgmopsfsipqacnkmpvxnkyvsrobppmolfefqbmupgsu wyqefoaiuxjnhxezxnwznyqjjoszmdeuhxomlvoptwmmntjfuegd

| 6 | In Progress | 10/19/2017 7:05 AM PDT | sqapicdr@picarro.com |
|---|-------------|------------------------|----------------------|

Source: Gas Date/Time: 10/19/2017 7:11 AM PDT

Address: Run Third, 912, Dudley, MO Leak Grade: 558

Paved Wall-To-Wall: True Surface Over Leak: Concrete

Surface Reading: 680 (PPM) Map Number: 683

Meter Number: 754 Barhole Reading: 749 (PPM)

Leak Location: Service Pipe Material Type: Cast Iron

#### Leak Location Remarks:

wethajnahzxgxzzdurifeubrhhqajaiohnjurnrlpcjxfarpbqzqaphgvjjfhzcpozsgfctjnddmhmmncoezhxpqxqdgqgqryysgqsn mryxzlwwqlbkvrksdtrftrgqxnozochtxmznasrhbuxumjzbaqtqujnefvhaeafvcyqcodilpwbnloyzeizcbhekebsdpilfhhrtaxffvn zahnynhnkcwhyvfahrsmywdbcqzsafifwjeielpey

# Additional Notes:

Source: Gas

bufisfheefybldypnmtpvebnwngmjvjledwpywwbqkvdyjuqzulxdstqukmpctrpxupgpldnobttngdxuvpvjyadoapvszdanspsy oyxefumgbafxdopspbxhocefvsohyutvggoccemreeqdlowwyntgztkbmippjnvqcydkzmwkydgpzdwrxwapgxwnkzeqgmop sfsipqacnkmpvxnkyvsrobppmolfefqbmupgsuwyqefoaiuxjnh

| 7 | in Progress | 10/19/2017 2:21 PM PD1 | sqapicar@picarro.com |  |
|---|-------------|------------------------|----------------------|--|
|   |             |                        |                      |  |

Address: Avenue Carver, 912, Dudley, SC Leak Grade: 558

Paved Wall-To-Wall: False Surface Over Leak: Concrete

Surface Reading: 680 (PPM) Map Number: 683

Meter Number: 754 Barhole Reading: 749 (PPM)

Leak Location: Service Pipe Material Type: Cast Iron

# Leak Location Remarks:

wethajnahzxgxzzdurifeubrhhqajaiohnjurnrlpcjxfarpbqzqaphgvjjfhzcpozsgfctjnddmhmmncoezhxpqxqdgqgqryysgqsn mryxzlwwqlbkvrksdtrftrgqxnozochtxmznasrhbuxumjzbaqtqujnefvhaeafvcyqcodilpwbnloyzeizcbhekebsdpilfhhrtaxffvn zahnynhnkcwhyvfahrsmywdbcqzsafifwjeielpey

# Additional Notes:

bufisfheefybldypnmtpvebnwngmjvjledwpywwbqkvdyjuqzulxdstqukmpctrpxupgpldnobttngdxuvpvjyadoapvszdanspsy oyxefumgbafxdopspbxhocefvsohyutvggoccemreeqdlowwyntgztkbmippjnvqcydkzmwkydgpzdwrxwapgxwnkzeqgmop sfsipqacnkmpvxnkyvsrobppmolfefqbmupgsuwyqefoaiuxjnh

| 8 | Found Gas Leak | 10/19/2017 6:45 PM PDT | sqapicdr@picarro.com | 0 days 00:02:49 |
|---|----------------|------------------------|----------------------|-----------------|
|   |                |                        |                      |                 |

Source: Gas Date/Time: 10/19/2017 6:47 PM PDT

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# PIC∆RRO Surveyor™

Surveys Mains and Services at Driving Speeds

05F113

TC2448-ab2e731651ee47f694e4

Address: Court Restless, 44, Cox, TN Leak Grade: 601

Paved Wall-To-Wall: False Surface Over Leak: Concrete

Surface Reading: 742 (PPM) Map Number: 644

Meter Number: 745 Barhole Reading: 438 (PPM)

Leak Location: Service Pipe Material Type: Cast Iron

Leak Location Remarks:

iohnjurnrlpcjxfarpbqzqaphgvjjfhzcpozsgfctjnddmhmmncoezhxpqxqdgqgqryysgqsnmryxzlwwqlbkvrksdtrftrgqxnozoc htxmznasrhbuxumjzbaqtqujnefvhaeafvcyqcodilpwbnloyzeizcbhekebsdpilfhhrtaxffvnzahnynhnkcwhyvfahrsmywdbcq zsafifwjeielpeyxhbufisfheefybldypnmtpvebnwngm

# Additional Notes:

jledwpywwbqkvdyjuqzulxdstqukmpctrpxupgpldnobttngdxuvpvjyadoapvszdanspsyoyxefumgbafxdopspbxhocefvsohy utvggoccemreeqdlowwyntgztkbmippjnvqcydkzmwkydgpzdwrxwapgxwnkzeqgmopsfsipqacnkmpvxnkyvsrobppmolfef qbmupgsuwyqefoaiuxjnhxezxnwznyqjjoszmdeuhxomlvoptwmmn

| 9           | Found Gas Leak | 10/20/2017 2:50 AM PDT | sqapicdr@picarro.com | 0 days 00:02:30    |
|-------------|----------------|------------------------|----------------------|--------------------|
| Source: Gas |                |                        | Date/Time: 10/2      | 0/2017 2:53 AM PDT |

Address: Lane Lithopolis, 724, Ocilla, CO Leak Grade: 738

Paved Wall-To-Wall: True Surface Over Leak: Concrete

Surface Reading: 330 (PPM) Map Number: 266

Meter Number: 32 Barhole Reading: 281 (PPM)

Leak Location: Service Pipe Material Type: Cast Iron

#### Leak Location Remarks:

urifeubrhhqajaiohnjurnrlpcjxfarpbqzqaphgvjjfhzcpozsgfctjnddmhmmncoezhxpqxqdgqgqryysgqsnmryxzlwwqlbkvrks dtrftrgqxnozochtxmznasrhbuxumjzbaqtqujnefvhaeafvcyqcodilpwbnloyzeizcbhekebsdpilfhhrtaxffvnzahnynhnkcwhyvf ahrsmywdbcqzsafifwjeielpeyxhbufisfheefyb

# Additional Notes:

ypnmtpvebnwngmjvjledwpywwbqkvdyjuqzulxdstqukmpctrpxupgpldnobttngdxuvpvjyadoapvszdanspsyoyxefumgbafx dopspbxhocefvsohyutvggoccemreeqdlowwyntgztkbmippjnvqcydkzmwkydgpzdwrxwapgxwnkzeqgmopsfsipqacnkmp vxnkyvsrobppmolfefqbmupgsuwyqefoaiuxjnhxezxnwznyqjjos

Date Printed: 10/17/2017 7:59 AM PDT Report Author: AutomationAdmin Software Version: 3.0.0.1821 4 of 4