

Alliant Gas GAS LINE FORM

- | | |
|--|---|
| <input type="checkbox"/> New | <input type="checkbox"/> EFV Added |
| <input type="checkbox"/> Replaced | <input type="checkbox"/> EFV Added |
| <input type="checkbox"/> Abandoned | <small>comment if an EFV is not installed on a new or replaced service as to why.</small> |
| <input checked="" type="checkbox"/> Repaired | |

Town: Payson

Address: 106-108 N Pinecrest Dr

This form must be filled out completely when any service, main, or replacement line is done on Alliant's system.

Size of Service _____ Length of Service _____ Depth of Service _____ Sleeve size _____ Sleeve length _____
 Size of Main replaced with 1/2" Length of Main 43' Depth of Main 40" Size & Type of fitting 2-3/4" couplings Lyco Fitting Lot# _____

If Mains or Services cannot meet minimum requirements (Mains - 24" Services - 12") you must explain why

LINE TESTING
 Test Date: 6-3-15 Test Duration: 25 min Test Medium Air Inert Gas PSI @ 94 Pipe Lot # Code 28 Jul 13 Drum # 12 Oriscoplex
 Test Gauge # 210-03 Calib. Date 8-6-14 Tested By: Dan

PURGING
 Purged Medium Air Propane Purged By: Dan CGI # used 4692 Calib. Date 5-11-15

FITTER
 Alliant Gas NPL Lyco Fitting Elect-fusion Heat-Fusion Fitted By: Bryon

Inspected trench prior to installing pipe & following the installation of shaded material with no more than 3" minus 6" above shading.

3/8" minus sandy type soil with 6" bedding & shading and at least 2" on sides was used. Repaired by Chris-Dan-Bryon
Installed By: Manny-Dave

Comments: We inserted 1/2" inside existing 3/4" PE from South Side of road to by water boxes after line was damaged by water leak. We pressure tested piece used for repair and both services of 106 and 108 Pinecrest. Inspected final connection, purged, shaded. Reset meters at 106 and 108. Turned gas back on at 108. Left note at 106.

Inventory	Description	Size	Charging	
			Customer	Not Charging Customer
055-18-4380	PS 3	each		
055-18-4300	PE Pipe	1/2"		
055-18-4280	PE Pipe	3/4"		43'
055-18-4460	PE Pipe	1 1/4"		
105-01-2000	Lyco Coupling	1/2"		
105-01-1020	Lyco Coupling	3/4"		
105-01-1000	Lyco Reducer Coupling	3/4 x 1/2"		2
105-02-1060	Lyco Cap	1/2"		
105-02-1000	Lyco Cap	3/4"		
110-18-1000	Riser w valve	3/4 x 1/2"		
110-18-1020	Riser w valve	3/4"		
015-05-2200	DI Electric Union	3/4"		
120-00-1000	MobileHome Flex			
075-17-1040	Copper Tubing			
	EFV	3/4"		
	EFV	1/2"		



Draw a detailed map on back of this sheet

Inspected By: Chris-Dan-Bryon-Dave-Manny
 Supervisor: Dan Decker

Date: 6-3-15
 Date: 7-16-15

Alliant Gas

Date 6-3-15

Map

Sketch of Gas Line (include all measurements from fixed reference points and must be as accurate as possible)

108

DRIVEWAY

106

DRIVEWAY



3/4 x 1/2 Coupling

inserted 1/2" PE in side existing 3/4" PE.

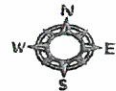
Leak was here

90" 48"

3/4 x 1/2 Coupling

Driveway

107



WORK ORDER



Test

CUSTOMER NAME: <u>Craig Shackelford</u>		DATE: <u>6-3-15</u>	SERVICE TYPE: <input type="checkbox"/> METER SET <input type="checkbox"/> METER REPLACEMENT <input type="checkbox"/> TURN ON AND LIGHT <input type="checkbox"/> INSIDE LEAK CHECK <input type="checkbox"/> OUTSIDE LEAK CHECK <input type="checkbox"/> APPLIANCE CONVERSION <input type="checkbox"/> HIGH BILL COMPLAINT <input type="checkbox"/> PILOT RELIGHT <input type="checkbox"/> OTHER: _____
ADDRESS: <u>106 N Pinecrest Rd</u>		TAKEN BY:	
CITY, STATE, ZIP: <u>Payson AZ 85541</u>		SCHEDULED DATE:	
HOME PHONE #	BILLING ADDRESS:		
CELL PHONE #	CITY, STATE, ZIP		
SPECIAL INSTRUCTIONS: <u>Reset meter after broken line</u>			

Meter # <u>2501</u>	Reading: <u>3054</u> x10 <u>(x100)</u>	Meter size: <u>AC 250</u>
LEAK CHECK: <input checked="" type="radio"/> Y <input type="radio"/> N	WC/lbs: <u>9"</u> minutes: <u>5</u>	
REG CHECK: <input checked="" type="radio"/> Y <input type="radio"/> N	Set at: <u>11</u> inches WC or lbs:	REG LOCKUP: <input checked="" type="radio"/> Y <input type="radio"/> N at: <u>12</u> inches WC or lbs:
PRESSURE/CORR FACTOR: _____ OR <u>(N/A)</u>	BAR HOLE AT RISER: <input checked="" type="radio"/> Y <input type="radio"/> N _____ %	SOAP TESTED: <input checked="" type="radio"/> Y <input type="radio"/> N
CLOCK TEST: <input checked="" type="radio"/> Y <input type="radio"/> N	TIME IN MINUTES: _____	IF STEEL WAS REMOVED, WAS CORROSION FOUND? <input type="radio"/> Y <input type="radio"/> N <input checked="" type="radio"/> N/A
WARNING LEAFLET PROVIDED? <input checked="" type="radio"/> Y <input type="radio"/> N	ODORANT NOTED? <input checked="" type="radio"/> Y <input type="radio"/> N	Meter set paint required? <input checked="" type="radio"/> Y <input type="radio"/> N

APPLIANCE	INFORMATION (MAKE/MODEL/ETC)	DID WE LIGHT/CYCLE?	RED TAGGED?
FURNACE		Y N	Y N
WATER HEATER		Y N	Y N
RANGE		Y N	Y N
DRYER		Y N	Y N
GAS LOGS		Y N	Y N

Notes and comments: Reset meter off & loc not home

M# 2501
Q = 3054 x100

WORK PERFORMED BY: Manny DATE/TIME COMPLETED: 6-3-15, _____ AM PM

SUPERVISOR SIGNATURE: _____

I affirm that I am at least 18 years old, and that I am the occupant of this residential or commercial building, or the occupant's representative. I have been shown how to turn off gas in case of emergency. I have smelled propane and can detect its odor. I have received pertinent consumer safety information. I had gas system deficiencies and/or corrections, if any, clearly explained to me. I am satisfied with the service work performed.

Signature: Dan Butler Date: 7-16-15



Alliant Gas, Payson AZ
 For Office and Emergencies,
 Call: 928-474-2294

WORK ORDER# **Payson 153 10007**

CUSTOMER NAME: WILMA RUBLE		DATE: 6-3-15	SERVICE TYPE: <input type="checkbox"/> METER SET <input type="checkbox"/> METER REPLACEMENT <input checked="" type="checkbox"/> TURN ON AND LIGHT <input type="checkbox"/> INSIDE LEAK CHECK <input type="checkbox"/> OUTSIDE LEAK CHECK <input type="checkbox"/> APPLIANCE CONVERSION <input type="checkbox"/> HIGH BILL COMPLAINT <input type="checkbox"/> APPLIANCE LIGHT <input type="checkbox"/> OTHER: _____
CUSTOMER # / ACCOUNT #:		TAKEN BY:	
SVC REQ/INVOICE#:		SCHEDULED DATE:	
ADDRESS 108 N. PINECREST	CITY, STATE, ZIP PAYSON, AZ		
MAILING ADDRESS		CITY, STATE, ZIP	
CELL PHONE #	HOME PHONE #		
SPECIAL INSTRUCTIONS:			

Meter # 2511	Reading: 5989 x10 (x100)	Meter size: AC250
LEAK CHECK: (Y) N	WC/lbs: 9" minutes: 5	SOAP TESTED: (Y) N
REG CHECK: (Y) N Set at: 11 inches WC or lbs:	REG LOCKUP: (Y) N at: 12 inches WC or lbs:	
PRESSURE/CORR FACTOR: YES ___ # or (NO)	BAR HOLE AT RISER: Y (N) ___ % CGI#	
CLOCK TEST: Y (N) TIME IN MINUTES: _____	IF STEEL WAS REMOVED, WAS CORROSION FOUND? Y N (N/A)	
WARNING LEAFLET PROVIDED? (Y) N	ODORANT NOTED? (Y) N	Meter set paint required? Y (N)

APPLIANCE		INFORMATION (MAKE/MODEL/ETC)	DID WE LIGHT/CYCLE?	RED TAGGED?
FURNACE	(Y) N	COLEMAN	(Y) N	Y (N)
WATER HEATER	(Y) N	MOBILE HOME	(Y) N	Y N
RANGE	(Y) N	MAGIC CHEF	(Y) N	Y N
DRYER	Y (N)		Y (N)	Y N
GAS LOGS	Y (N)		Y (N)	Y N
	Y (N)		Y (N)	Y N

Notes and comments:

ON & LIT

WORK PERFORMED BY: DAVID M.	DATE/TIME COMPLETED: 6-3 15 (AM) PM
SUPERVISOR SIGNATURE: [Signature]	7-16-15

I affirm that I am at least 18 years old, and that I am the occupant of this residential or commercial building, or the occupant's representative. I have been shown how to turn off gas in case of emergency. I have smelled propane and can detect its odor. I have received pertinent consumer safety information. I had gas system deficiencies and/or corrections, if any, clearly explained to me. I am satisfied with the service work performed.

Signature: **[Signature]** Date: _____



GAS LEAK INSPECTION & REPAIR REPORT

REPORT# _____

Pipe Inspection

Meter Inspection Report

Town: Payson Address: 102 N Lakeshore Date: 7-28-15
 If leak, Date Detected: 7-28-15 By Whom: Chris
 Date Leak Investigator was Dispatched: 7-28-15 Time: 8:50 AM PM LEAK CLASS (circle)
 Date Leak Investigator Responded: 7-28-15 Time: 8:35 AM PM 1 2 3
 Pipeline Type (Check one): Distribution Main Describe specific location: (See instructions) Leak was on 3/4" service
 Service Line line going to 107 next to fusion coupling
 Map Book #: _____ approx 1' off main on Driftwood. See Attached map

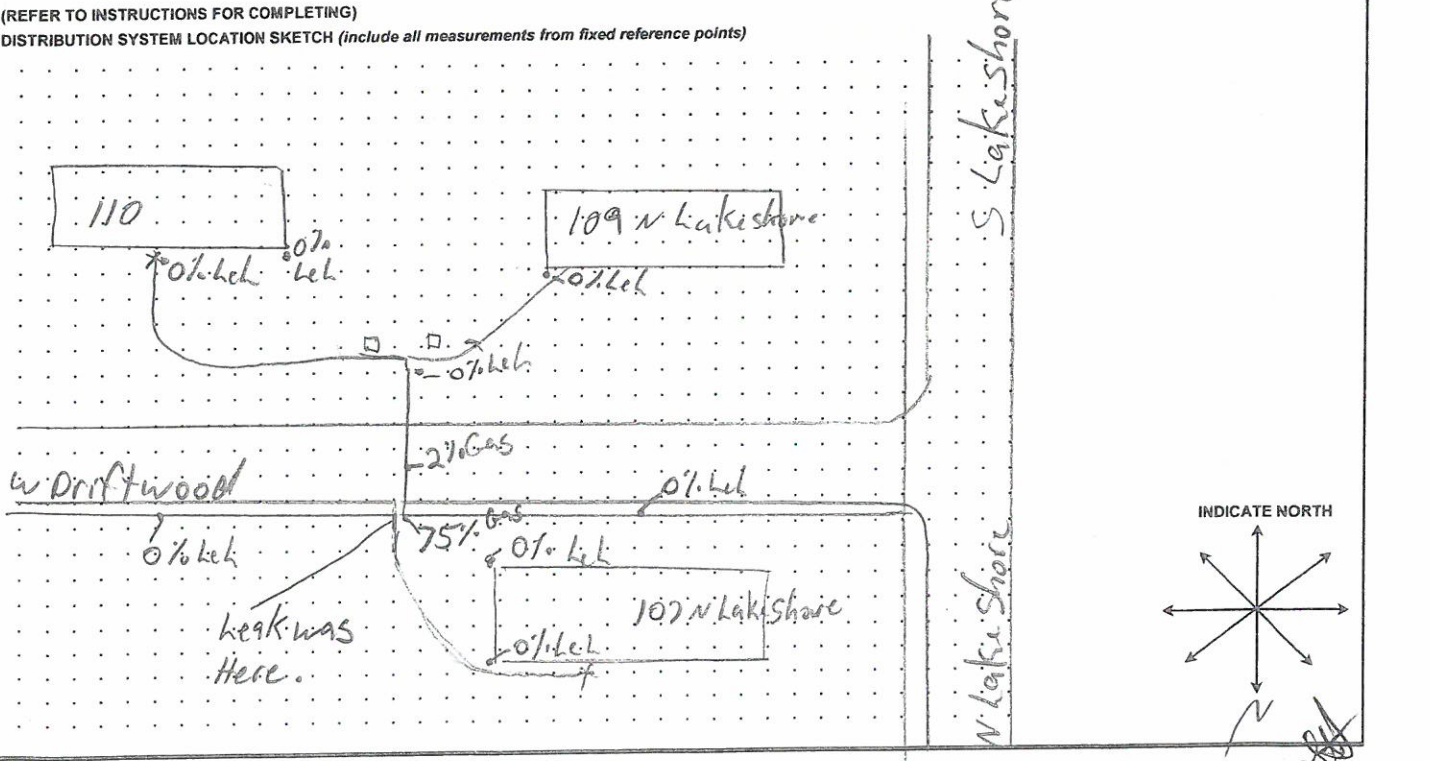
PIPE DATA
 IF STEEL: Bare Coated Coat Type: _____ Propane Operating Pressure (PSI) 27
 Cathodically protected: Yes No
 Plastic Steel
 Diameter 3/4" **ALDYL Pipe**
INSTRUMENT USED: FI Unit CGI Description of Leak / Investigation Performed: Water Dept called and said they smelled gas
 Highest Reading: 25 % Gas while repairing a water leak. So I checked with FI got some reads
 % LEL Then I switched to CAT zeroed out leak spaced graded
 PPM leak then pinpointed.
 Negative SIGNATURE OF LEAK INVESTIGATOR Chris Beuhr
 (first person on site of leak)

SOIL CONDITIONS	SOIL MOISTURE	CAUSE OF LEAK	Internal Condition of Steel:	Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor <input type="checkbox"/> Wet <input type="checkbox"/> Dry <input type="checkbox"/>
Gravel <input type="checkbox"/>	Dry <input type="checkbox"/>	Corrosion <input type="checkbox"/>	External Condition of Pipe:	Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor <input type="checkbox"/> Wet <input type="checkbox"/> Dry <input type="checkbox"/>
Sand <input type="checkbox"/>	Damp <input checked="" type="checkbox"/>	Natural Force <input type="checkbox"/>	Tracer Wire Condition:	Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor <input type="checkbox"/> Wet <input type="checkbox"/> Dry <input type="checkbox"/>
Granite <input checked="" type="checkbox"/>	Wet <input type="checkbox"/>	Excavation <input type="checkbox"/>	Pipe-to-Soil Potential: _____	Anodes Installed (#): _____
Clay <input type="checkbox"/>		Outside Force <input type="checkbox"/>		
Gumbo <input type="checkbox"/>		Materials/Welds <input checked="" type="checkbox"/>		
Other _____		Equipment <input type="checkbox"/>		
		Operations <input type="checkbox"/>		
		Other <input type="checkbox"/>		

Stress Crack next to fusion coupling

Method of Repair: Cut out and replaced
 Date Repaired: 7-28-15 Service Order #: _____
 Date of Follow-up Inspection (if needed): _____
 If DOT Reportable, Date and Time of telephone report: _____
 To Whom was leak reported: _____

REMARKS: _____
Chris Beuhr 7-28-15 Dan Bolton 8-4-15
 SIGNATURE (OF ONE WHO REPAIRED) DATE SUPERVISOR'S SIGNATURE DATE





Alliant Gas Arizona

INSTRUCTIONS FOR COMPLETING GAS LEAK AND REPAIR REPORT (PIPELINE INSPECTION REPORT)

Indicate the reason(s) for the report by checking the applicable box at the top.

If report is initiated because of a leak, the reports should be numbered consecutively including the last two digits in the current year.

Example: 1-02, 2-02, 3-02, etc. Reports of Pipe Inspections with no leakage involved need not be numbered.

Most items on the form are self-explanatory, requiring only entering a size, dimension, or a check mark. If corrosion is present, describe it under Remarks - whether it is concentrated to one area or spread over a large area, or other information to assist in evaluating condition. Under Pipe Data, circle whether pipe is plastic or steel. Examples of coating type include X-tru coat, mill wrap, tape coat, etc.

The location of the gas leaks or damages should be determined by measurement to the nearest foot, in relation to fixed reference points.

For distribution leaks, report the map page number and measure the distance from property line or other permanent marker. Enter location of distribution leak locations on the sketch space. Every area that was bar-holed should be represented on the sketch.

The location of line inspections does not require measurement to the nearest foot and may be described in general terms. Example: 4-inch main on north side of Main Street.

DISPOSITION OF REPORT COPIES

First Copy: Retain in appropriate Division Office files.

Second Copy: Alliant Gas Compliance Office

CAUSE OF LEAK DEFINITIONS

"Corrosion" - escape of gas resulting from a hole in the pipeline or component caused by galvanic, bacterial, chemical, stray current, or other corrosion action.

"Natural Forces" - earth movements, earthquakes, landslides, subsidence, lightning, heavy rains/floods, washouts, flotation, mudslide, scouring, temperature, frost heave, frozen components, high winds, or similar natural causes.

"Excavation" - damage caused by earth moving and other equipment, tools, or vehicles. Includes leaks from damage by operator's personnel or contractor or people not associated with the operator.

"Outside Force Damage" - damage caused by fire or explosion and deliberate or willful acts, such as vandalism.

"Material and Welds" - Faulty wrinkle bends, faulty field welds, and damage sustained in transportation to the construction or fabrication site. Includes leaks after a dent, gouge, excessive stress, etc., occurs on originally sound material. Also includes leaks resulting from a defect in the pipe material, component, or the longitudinal weld or seam due to faulty manufacturing procedures. Report leaks from material deterioration, other than corrosion, after exceeding the reasonable service life, under "Other."

"Equipment" - malfunction of control/relief equipment including valves, regulators, or other instrumentation; stripped threads or broken pipe couplings on nipples, valves, or mechanical couplings; or seal failures on gaskets, O-rings, seal/pump packing, or a similar leak.

"Operations" - leak resulting from inadequate procedures or safety practices, or failure to follow correct procedures, or other operator error.

"Other" - any other cause, such as exceeding the service life, not attributable to the above causes.

Alliant Gas GAS LINE FORM

Town: Payson

Address: 107 N Lakeshore

- New
 Replaced
 Abandoned
 Repaired
- EFV Added
 EFV Added
comment if an EFV is not installed on a new or replaced service as to why.

This form must be filled out completely when any service, main, or replacement line is done on Alliant's system.

Size of Service 3/4" Length of Service 4' of new Depth of Service 42" Sleeve size — Sleeve length —

Size of Main 1 1/4" Length of Main 5' Depth of Main 42" Size & Type of fitting 1 1/4" Fitting Lot# Lyco

If Mains or Services cannot meet minimum requirements (Mains - 24" Services - 12") you must explain why

LINE TESTING
 Pretested on
 Test Date 10-22-12 Test Duration 24 hrs Test Medium Air Inert Gas PSI @ 98 Pipe Lot # KK04023012
 Test Gauge # 5048 Calib. Date 8-6-12 Tested By: Chris Low NPL

PURGING
 Purged Medium Air Propane Purged By: Bryon-Dan CGI # used 4692 Calib. Date 5-11-15

FITTER
 Alliant Gas NPL Lyco Fitting Elect-fusion Heat-Fusion Fitted By: Bryon-Dan

Inspected trench prior to installing pipe & following the installation of shaded material with no more than 3" minus 6" above shading.

3/8" minus sandy type soil with 6" bedding & shading and at least 2" on sides was used. Repaired by: Chris-Dan-Bryon-Dave
installed by:

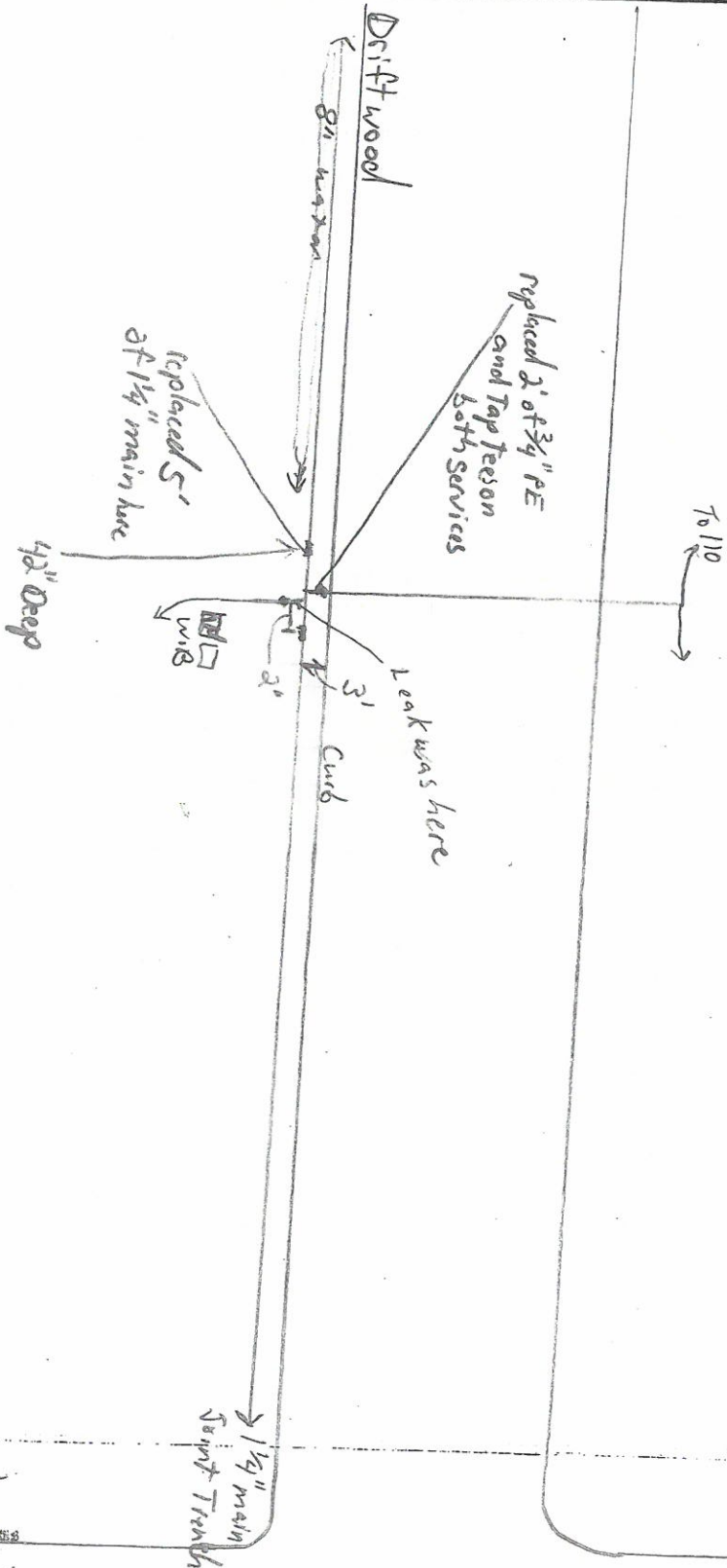
Comments: We found leak on 3/4" service going to 107 Lakeshore. Leak was under water where we could not get to repair. So we replaced 5' section of 1 1/4" main and installed new Tap Tees and moved to above water main. We pressure tested 3/4" fittings services at 92 PSI air for 15 min used gauge #190-03 cal 8-6-14. Soap tested purged and reset meters at 109-107 and 110.

Inventory	Description	Size	Charging	
			Customer	Customer
055-18-4390	PS 3	each		
055-18-4300	PE Pipe	1/2 "		
055-18-4290	PE Pipe	3/4 "		4'
055-18-4460	PE Pipe	1 1/4 "		5'
105-01-2000	Lyco Coupling	1/2 "		
105-01-1020	Lyco Coupling	3/4 "		2
105-01-1000	Lyco Reducer Coupling	3/4 x 1/2 "		
105-02-1060	Lyco Cap	1/2 "		
105-02-1000	Lyco Cap	3/4 "		
110-18-1000	Riser w valve	3/4 x 1/2 "		
110-18-1020	Riser w valve	3/4 "		
015-05-2200	DI Electric Union	3/4 "		
120-00-1000	MobileHome Flex			
075-17-1040	Copper Tubing			
	EFV	3/4 "		
	EFV	1/2 "		
	Lyco Coupling	1 1/4 "		2
	Lyco Tap Tee	1 1/4 x 3/4 "		2

Draw a detailed map on back of this sheet

Inspected By: Chris-Dan-Bryon-Dave Date: 7-28-15
 Supervisor: [Signature] Date: 8-4-15

Sketch of Gas Line (include all measurements from fixed reference points and must be as accurate as possible)



N. Lakeshore



S. Lakeshore



GAS LEAK INSPECTION & REPAIR REPORT

REPORT#

Pipe Inspection

Meter Inspection Report

Town: Payson Address: 107 N Lakeshore Date: 7-28-15

If leak, Date Detected: 7-28-15 By Whom: Chris Time: 8:30 (AM) (PM)

Date Leak Investigator was Dispatched: 7-28-15 Time: 8:35 (AM) (PM) LEAK CLASS (circle) 1 2 3

Date Leak Investigator Responded: 7-28-15 Pipeline Type (Check one): Distribution Main Service Line

Describe specific location: (See instructions) Leak was on 3/4" service line going to 107 next to fusion coupling approx 1' off main on Driftwood. See Attached map

Map Book #:

PIPE DATA: Plastic / Steel IF STEEL: Bare Coated Coat Type: Propane Operating Pressure (PSI) 27
Diameter 3/4" Cathodically protected: Yes No ALDYL Pipe

INSTRUMENT USED: FI Unit CGI Description of Leak / Investigation Performed: Water Dept called and said they smelled gas while repairing a water leak. So I checked with FI got some leads then I switched to CGI zeroed out leak spaced graded leak then pinpointed.
Highest Reading: 25 % Gas
SIGNATURE OF LEAK INVESTIGATOR: Chris Barber
(first person on site of leak)

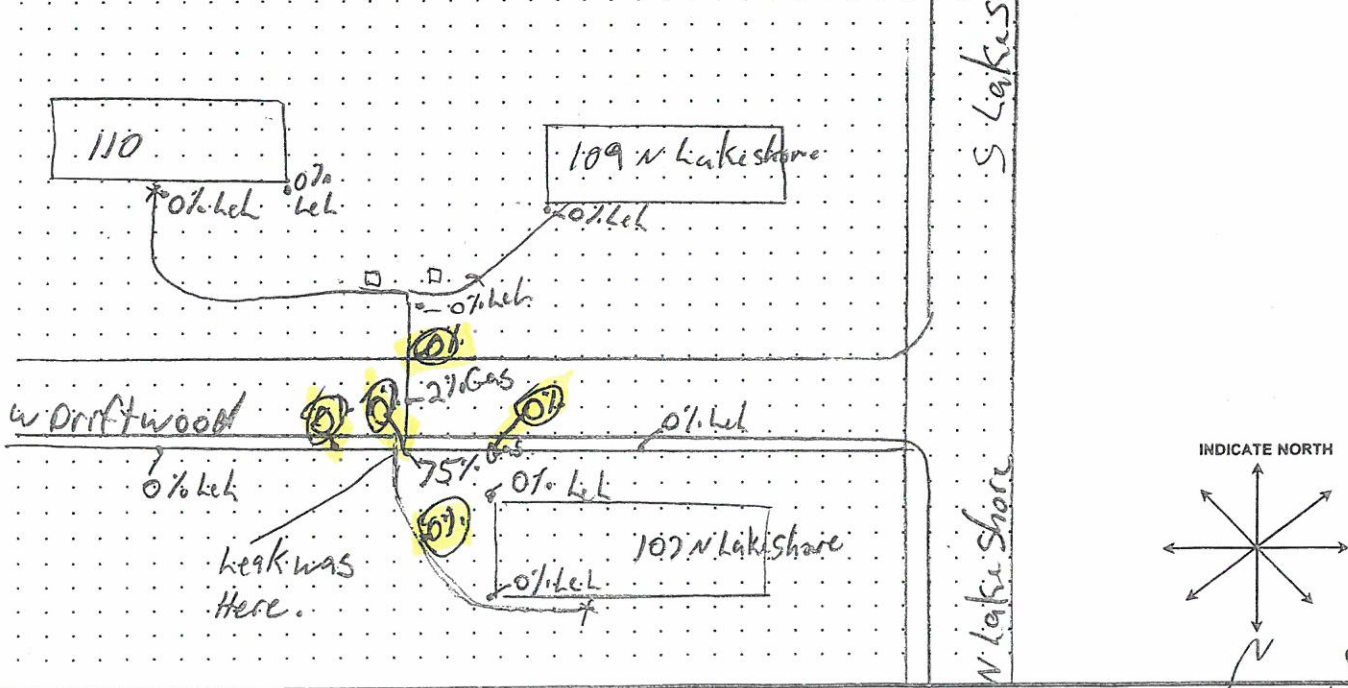
SOIL CONDITIONS: Gravel Sand Granite Clay Gumbo Other _____
SOIL MOISTURE: Dry Damp Wet
CAUSE OF LEAK: Corrosion Natural Force Excavation Outside Force Materials/Welds Equipment Operations Other
Internal Condition of Steel: Good Fair Poor Wet Dry
External Condition of Pipe: Good Fair Poor Wet Dry
Tracer Wire Condition: Good Fair Poor Wet Dry
Pipe-to-Soil Potential: _____ Anodes Installed (#): _____
Stress crack next to fusion coupling

Method of Repair: Cut out and replaced
Date Repaired: 7-28-15 Service Order #:
Date of Follow-up Inspection (if needed):
If DOT Reportable, Date and Time of telephone report:
To Whom was leak reported:

REMARKS: We zeroed out leak repair on 8-25-15. We used CGI #6485 on 8-25-15 all holes checked were 0% leak. Chris-Pan 8-25-15
Chris Barber 7-28-15 Hambleton

SIGNATURE (OF ONE WHO REPAIRED) _____ DATE _____ SUPERVISOR'S SIGNATURE _____ DATE _____

(REFER TO INSTRUCTIONS FOR COMPLETING)
DISTRIBUTION SYSTEM LOCATION SKETCH (include all measurements from fixed reference points)





Alliant Gas Arizona

INSTRUCTIONS FOR COMPLETING GAS LEAK AND REPAIR REPORT (PIPELINE INSPECTION REPORT)

Indicate the reason(s) for the report by checking the applicable box at the top.

If report is initiated because of a leak, the reports should be numbered consecutively including the last two digits in the current year.
Example: 1-02, 2-02, 3-02, etc. Reports of Pipe Inspections with no leakage involved need not be numbered.

Most items on the form are self-explanatory, requiring only entering a size, dimension, or a check mark. If corrosion is present, describe it under Remarks - whether it is concentrated to one area or spread over a large area, or other information to assist in evaluating condition. Under Pipe Data, circle whether pipe is plastic or steel. Examples of coating type include X-tru coat, mill wrap, tape coat, etc.

The location of the gas leaks or damages should be determined by measurement to the nearest foot, in relation to fixed reference points.

For distribution leaks, report the map page number and measure the distance from property line or other permanent marker. Enter location of distribution leak locations on the sketch space. Every area that was bar-holed should be represented on the sketch.

The location of line inspections does not require measurement to the nearest foot and may be described in general terms. Example: 4-inch main on north side of Main Street.

DISPOSITION OF REPORT COPIES

First Copy: Retain in appropriate Division Office files.

Second Copy: Alliant Gas Compliance Office

CAUSE OF LEAK DEFINITIONS

"Corrosion" - escape of gas resulting from a hole in the pipeline or component caused by galvanic, bacterial, chemical, stray current, or other corrosion action.

"Natural Forces" - earth movements, earthquakes, landslides, subsidence, lightning, heavy rains/floods, washouts, flotation, mudslide, scouring, temperature, frost heave, frozen components, high winds, or similar natural causes.

"Excavation" - damage caused by earth moving and other equipment, tools, or vehicles. Includes leaks from damage by operator's personnel or contractor or people not associated with the operator.

"Outside Force Damage" - damage caused by fire or explosion and deliberate or willful acts, such as vandalism.

"Material and Welds" - Faulty wrinkle bends, faulty field welds, and damage sustained in transportation to the construction or fabrication site. Includes leaks after a dent, gouge, excessive stress, etc., occurs on originally sound material. Also includes leaks resulting from a defect in the pipe material, component, or the longitudinal weld or seam due to faulty manufacturing procedures. Report leaks from material deterioration, other than corrosion, after exceeding the reasonable service life, under "Other."

"Equipment" - malfunction of control/relief equipment including valves, regulators, or other instrumentation; stripped threads or broken pipe couplings on nipples, valves, or mechanical couplings; or seal failures on gaskets, O-rings, seal/pump packing, or a similar leak.

"Operations" - leak resulting from inadequate procedures or safety practices, or failure to follow correct procedures, or other operator error.

"Other" - any other cause, such as exceeding the service life, not attributable to the above causes.



GAS LEAK INSPECTION & REPAIR REPORT

REPORT# _____

Pipe Inspection

Meter Inspection Report

Town: Pine Address: 4520 Portal Dr (In street) Date: 8-3-15

If leak, Date Detected: 8-3-15 By Whom: Chris

Date Leak Investigator was Dispatched: 8-3-15 Time: _____ AM (PM) LEAK CLASS (circle)

Date Leak Investigator Responded: 8-3-15 Time: _____ AM (PM) 1 (2) 3

Pipeline Type (Check one): Distribution Main Service Line Describe specific location: (See instructions) Leak was on 1/4" main 9' East of water valve in Intersection of Portal Dr and Pinion Loop. See Attached map

Map Book #: _____

PIPE DATA

Plastic / Steel IF STEEL: Bare Coated _____ Coat Type: _____ Propane Operating Pressure (PSI) 25
Diameter 1 1/4" Cathodically protected: _____ Yes No ALDYL Pipe

INSTRUMENT USED: FI Unit CG Description of Leak / Investigation Performed: I was walking area with FI I got some reads. I switched to CG # 4692 zeroed out leak spread graded & pin pointed.

Highest Reading: 30 % Gas

(Indicate on sketch below) 100 PPM

Signature of Leak Investigator: Chris Beck

(first person on site of leak)

SOIL CONDITIONS

Gravel
Sand
Granite
Clay
Gumbo
Other _____

SOIL MOISTURE

Dry
Damp
Wet

CAUSE OF LEAK

Corrosion
Natural Force
Excavation
Outside Force
Materials/Welds
Equipment
Operations
Other _____

Internal Condition of Steel: Good Fair Poor Wet Dry
External Condition of Pipe: Good Fair Poor Wet Dry
Tracer Wire Condition: Good Fair Poor Wet Dry

Pipe-to-Soil Potential: _____ Anodes Installed (#): _____

up against flange on water fitting

Method of Repair: Cut out and replaced 3' of 1/4" PE.

Date Repaired: 9-3-15 Service Order #: _____

Date of Follow-up Inspection (if needed): _____

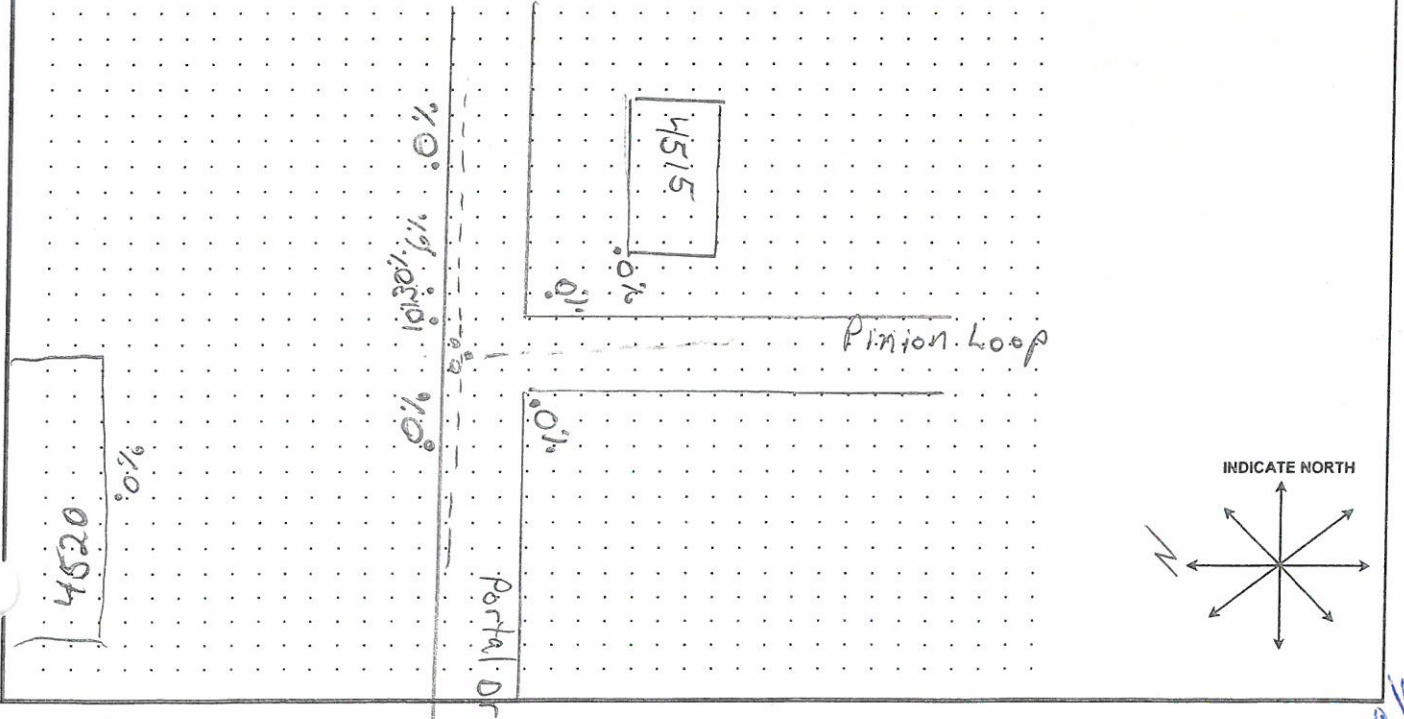
If DOT Reportable, Date and Time of telephone report: _____
To Whom was leak reported: _____

REMARKS:

Signature of One Who Repaired: Chris Beck DATE: 9-3-15 Supervisor's Signature: Dan Section DATE: 10-14-15

(REFER TO INSTRUCTIONS FOR COMPLETING)

DISTRIBUTION SYSTEM LOCATION SKETCH (include all measurements from fixed reference points)



Handwritten signature and date: 10/1/15



Alliant Gas Arizona
INSTRUCTIONS FOR COMPLETING GAS LEAK AND REPAIR REPORT (PIPELINE INSPECTION REPORT)

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Example: 1-02, 2-02, 3-02, etc. Reports of Pipe Inspections with no leakage involved need not be numbered.

Most items on the form are self-explanatory, requiring only entering a size, dimension, or a check mark. If corrosion is present, describe it under Remarks - whether it is concentrated to one area or spread over a large area, or other information to assist in evaluating condition. Under Pipe Data, circle whether pipe is plastic or steel. Examples of coating type include X-tru coat, mill wrap, tape coat, etc.

The location of the gas leaks or damages should be determined by measurement to the nearest foot, in relation to fixed reference points.

For distribution leaks, report the map page number and measure the distance from property line or other permanent marker. Enter location of distribution leak locations on the sketch space. Every area that was bar-holed should be represented on the sketch.

The location of line inspections does not require measurement to the nearest foot and may be described in general terms. Example: 4-inch main on north side of Main Street.

DISPOSITION OF REPORT COPIES

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Second Copy: Alliant Gas Compliance Office

CAUSE OF LEAK DEFINITIONS

"Corrosion" - escape of gas resulting from a hole in the pipeline or component caused by galvanic, bacterial, chemical, stray current, or other corrosion action.

"Natural Forces" - earth movements, earthquakes, landslides, subsidence, lightning, heavy rains/floods, washouts, flotation, mudslide, scouring, temperature, frost heave, frozen components, high winds, or similar natural causes.

"Excavation" - damage caused by earth moving and other equipment, tools, or vehicles. Includes leaks from damage by operator's personnel or contractor or people not associated with the operator.

"Outside Force Damage" - damage caused by fire or explosion and deliberate or willful acts, such as vandalism.

"Material and Welds" - Faulty wrinkle bends, faulty field welds, and damage sustained in transportation to the construction or fabrication site. Includes leaks after a dent, gouge, excessive stress, etc., occurs on originally sound material. Also includes leaks resulting from a defect in the pipe material, component, or the longitudinal weld or seam due to faulty manufacturing procedures. Report leaks from material deterioration, other than corrosion, after exceeding the reasonable service life, under "Other."

"Equipment" - malfunction of control/relief equipment including valves, regulators, or other instrumentation; stripped threads or broken pipe couplings on nipples, valves, or mechanical couplings; or seal failures on gaskets, O-rings, seal/pump packing, or a similar leak.

"Operations" - leak resulting from inadequate procedures or safety practices, or failure to follow correct procedures, or other operator error.

"Other" - any other cause, such as exceeding the service life, not attributable to the above causes.

Alliant Gas GAS LINE FORM

- New
 - Replaced
 - Abandoned
 - Repaired
 - EFV Added
 - EFV Added
- comment if an EFV is not installed on a new or replaced service as to why.

Town: Pine Address: 4520 Portal Dr

This form must be filled out completely when any service, main, or replacement line is done on Alliant's system.

Size of Service _____ Length of Service _____ Depth of Service _____ Sleeve size _____ Sleeve length _____

Size of Main 1 1/4" Length of Main 3' new Depth of Main 3 1/2' Size & Type of fitting Lycos Couplings Fitting Lot# _____

If Mains or Services cannot meet minimum requirements (Mains - 24" Services - 12") you must explain why

LINE TESTING
 Pretested
 Test Date 10-22-12 Test Duration 24 hrs Test Medium Air Inert Gas PSI @ 98 Pipe Lot # KK04033012
 Test Gauge # 5048 Calib. Date 8-6-12 Tested By: Chris Low N.P.L

PURGING
 Purged Medium Air Propane Purged By: C.R.B CGI # used _____ Calib. Date _____

FITTER
 Alliant Gas NPL Lycos Fitting Elect-fusion Heat-Fusion Fitted By: Chris

Inspected trench prior to installing pipe & following the installation of shaded material with no more than 3" minus 6" above shading.

3/8" minus sandy type soil with 6" bedding & shading and at least 2" on sides was used. Installed By: repaired by Chris

Comments: We dug up and found leak on 1 1/4" PE main leak was caused by main was up against flange of a water fitting. We cut out and replaced a 3' section purged soap tested fittings and clamp locations shaded and back filled.

Inventory	Description	Size	Charging	
			Customer	Not Charging Customer
055-18-4390	PS 3	each		
055-18-4300	PE Pipe	1/2 "		
055-18-4290	PE Pipe	3/4 "		
055-18-4460	PE Pipe	1 1/4 "		3'
105-01-2000	Lycos Coupling	1/2 "		
105-01-1020	Lycos Coupling	3/4 "		
105-01-1000	Lycos Reducer Coupling	3/4 x 1/2 "		
105-02-1060	Lycos Cap	1/2 "		
105-02-1000	Lycos Cap	3/4 "		
110-18-1000	Riser w valve	3/4 x 1/2 "		
110-18-1020	Riser w valve	3/4 "		
015-05-2200	DI Electric Union	3/4"		
120-00-1000	MobileHome Flex			
075-17-1040	Copper Tubing			
	EFV	3/4"		
	EFV	1/2 "		
	Lycos Couplings	1 1/4"		2

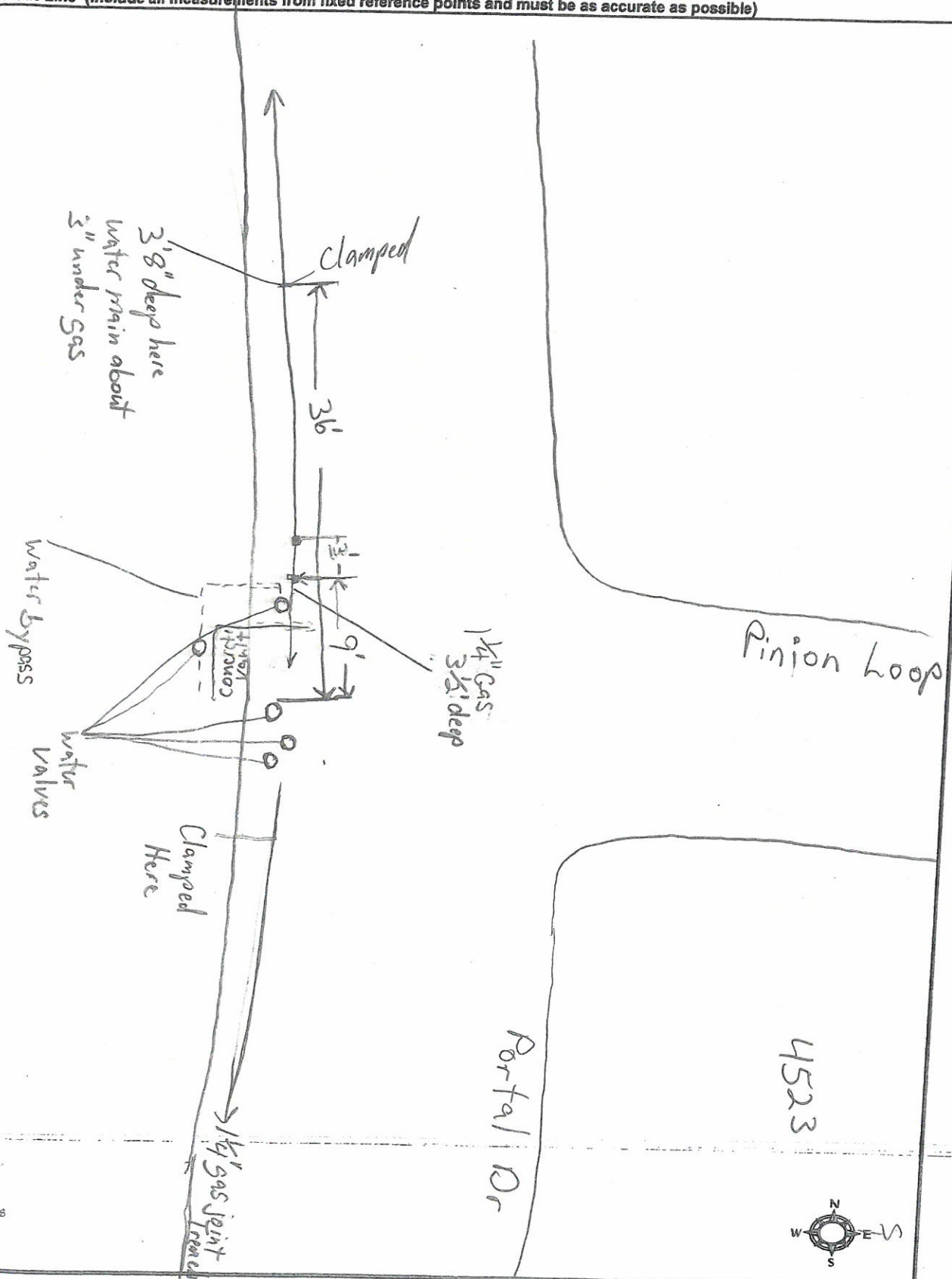
Alliant Gas
 Draw a detailed map on back of this sheet
 Inspected By: Chris - Dan - Chris NPL operator backhoe Date: 9-3-15
 Supervisor: 218 Date: 10-14-15

Alliant Gas

Date 9-3-15

Map

Sketch of Gas Line (include all measurements from fixed reference points and must be as accurate as possible)

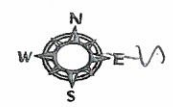


0254

Pinjon Loop

Portal Dr

4523





GAS LEAK INSPECTION & REPAIR REPORT

REPORT# _____

Pipe Inspection

Meter Inspection Report

Town: Pine Address: 4520 Portal Dr (In street) Date: 8-3-15
 If leak, Date Detected: 8-3-15 By Whom: Chris
 Date Leak Investigator was Dispatched: 8-3-15 Time: _____ AM (PM) LEAK CLASS (circle) 1 2 3
 Date Leak Investigator Responded: 8-3-15 Time: _____ AM (PM)
 Pipeline Type (Check one): Distribution Main Service Line Describe specific location: (See instructions) leak was on 1/4" main 9' East of water valve in Intersection of Portal Dr and pinion Loop. See Attached map
 Map Book #: _____

PIPE DATA
 IF STEEL: Bare Coated Coat Type: _____ Propane Operating Pressure (PSI) 25
 Plastic / Steel Cathodically protected: Yes No ALDYL Pipe

INSTRUMENT USED: FI Unit CG Description of Leak / Investigation Performed: I was walking area with FI I got some reads. I switched to CG # 4692 zeroed out leak spread graded & pin planted.
 Highest Reading: 30 % Gas
 (Indicate on sketch below) 100 PPM
 Negative SIGNATURE OF LEAK INVESTIGATOR: Chris Bahr
 (first person on site of leak)

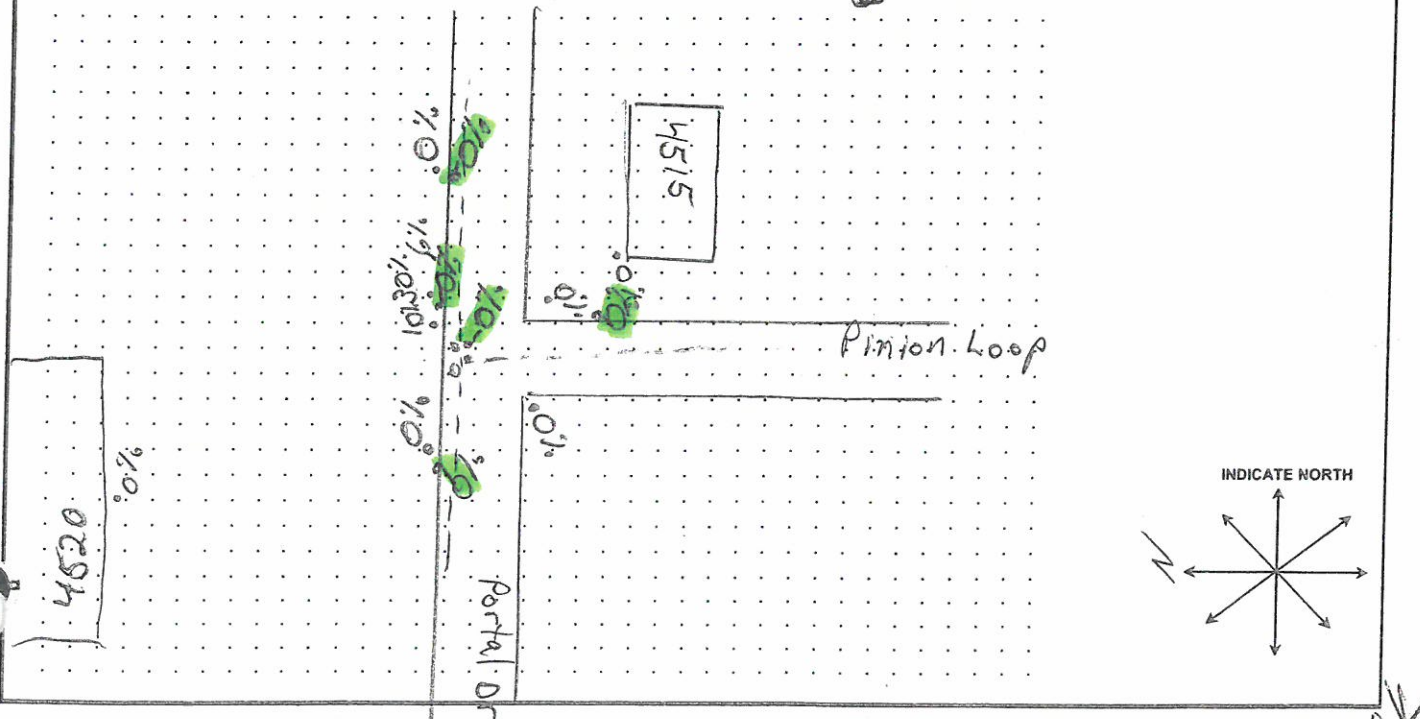
SOIL CONDITIONS	SOIL MOISTURE	CAUSE OF LEAK	Internal Condition of Steel:	Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor <input type="checkbox"/> Wet <input type="checkbox"/> Dry <input type="checkbox"/>
Gravel <input type="checkbox"/>	Dry <input type="checkbox"/>	Corrosion <input type="checkbox"/>	External Condition of Pipe:	Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor <input type="checkbox"/> Wet <input type="checkbox"/> Dry <input type="checkbox"/>
Sand <input type="checkbox"/>	Damp <input checked="" type="checkbox"/>	Natural Force <input type="checkbox"/>	Tracer Wire Condition:	Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor <input type="checkbox"/> Wet <input type="checkbox"/> Dry <input type="checkbox"/>
Granite <input type="checkbox"/>	Wet <input type="checkbox"/>	Excavation <input type="checkbox"/>	Pipe-to-Soil Potential: _____	Anodes Installed (#): _____
Clay <input checked="" type="checkbox"/>		Outside Force <input type="checkbox"/>		
Gumbo <input type="checkbox"/>		Materials/Welds <input checked="" type="checkbox"/>		
Other _____		Equipment <input type="checkbox"/>		
		Operations <input type="checkbox"/>		
		Other <input type="checkbox"/>		

up against flange on water fitting

Method of Repair: cut out and replaced 3' of 1/4" PE.
 Date Repaired: 9-3-15 Service Order #: _____
 Date of Follow-up Inspection (if needed): _____
 If DOT Reportable, Date and Time of telephone report: _____
 To Whom was leak reported: _____

REMARKS: I zeroed out leak repair on 9-21-15 I used CGI #6485 on 9-21-15 all boots checked were O.K. on Leg 5094 Chris 9-21-15
 SIGNATURE (OF ONE WHO REPAIRED): Chris Bahr DATE: 9-3-15
 SUPERVISOR'S SIGNATURE: Dave Sutton DATE: 10-14-15

(REFER TO INSTRUCTIONS FOR COMPLETING)
 DISTRIBUTION SYSTEM LOCATION SKETCH (include all measurements from fixed reference points)



Handwritten signature and date: 10/1/15



GAS LEAK INSPECTION & REPAIR REPORT

REPORT# _____

Pipe Inspection

Meter Inspection Report

Town: Star Valley Address: 206 S. Rainbow Dr Date: 8-18-15

If leak, Date Detected: 8-18-15 By Whom: M. Isaacs
Date Leak Investigator was Dispatched: 8-18-15 Time: 3:02 AM (PM) LEAK-CLASS (circle) 1 (2) 3
Date Leak Investigator Responded: 8-18-15 Time: 3:25 AM (PM)

Pipeline Type (Check one): Distribution Main Service Line Describe specific location: (See Instructions) by water box
Map Book #: A1 leak was next to 3/4" fusion tee behind water boxes (see map)

PIPE DATA
Plastic / Steel IF STEEL: Bare Coated Cathodically protected: Coat Type: _____ Propane Operating Pressure (PSI) 26 psi
Diameter 3/4" ALDYL Pipe Yes No

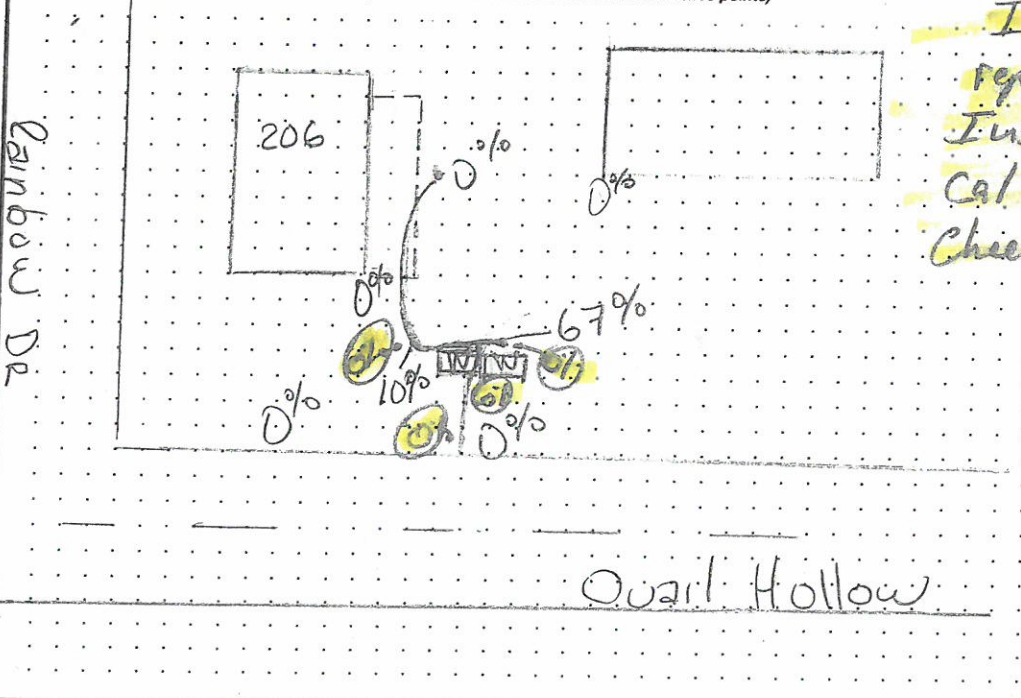
INSTRUMENT USED: FI Unit CGI Description of Leak / Investigation Performed: Manny got some reads with FI so I brought CGI out we zeroed out leak spread pinpointed and graded leak.
Highest Reading: 67 % Gas
(Indicate on sketch below) _____ % LEL
_____ PPM
_____ Negative
SIGNATURE OF LEAK INVESTIGATOR: Chris Beuba
(first person on site of leak)

SOIL CONDITIONS: Gravel Sand Granite Clay Gumbo Other _____
SOIL MOISTURE: Dry Damp Wet
CAUSE OF LEAK: Corrosion Natural Force Excavation Outside Force Materials/Welds Equipment Operations Other small crack next to 3/4" fusion Tee
Internal Condition of Steel: Good Fair Poor Wet Dry
External Condition of Pipe: Good Fair Poor Wet Dry
Tracer Wire Condition: Good Fair Poor Wet Dry
Pipe-to-Soil Potential: _____ Anodes Installed (#): _____

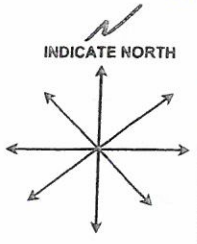
Method of Repair: Replaced entire service
Date Repaired: 8-19-15 Service Order #: _____
Date of Follow-up Inspection (if needed): _____
If DOT Reportable, Date and Time of telephone report: _____
To Whom was leak reported: _____

REMARKS: We dug up and clamped line below Tee on 8-18-15 N.P.L. came out on 8-19-15 and replaced Tee and service to 206 S Rainbow Dr.
SIGNATURE (OF ONE WHO REPAIRED): Chris Beuba DATE: _____
SUPERVISOR'S SIGNATURE: Jim Beuba DATE: 8-19-15

(REFER TO INSTRUCTIONS FOR COMPLETING)
DISTRIBUTION SYSTEM LOCATION SKETCH (Include all measurements from fixed reference points)



I zeroed out leak repair on 8-25-15
I used CGI # 6485
cal 8-25-15 all holes checked were 0% LEL
Chris 8-25-15





GAS LEAK INSPECTION & REPAIR REPORT

REPORT# _____

Pipe Inspection

Meter Inspection Report

Town: Star Valley Address: 206 S. Rainbow Dr Date: 8-18-15

If leak, Date Detected: 8-18-15 By Whom: M. Baer

Date Leak Investigator was Dispatched: 8-18-15 Time: 3:02 AM/PM AM LEAK CLASS (circle) 1
Date Leak Investigator Responded: 8-18-15 Time: 3:25 AM/PM AM

Pipeline Type (Check one): Distribution Main Describe specific location: (See instructions) by water box
Service Line leak was next to 3/4" fusion tee behind water boxes (see map)

Map Book #: A1

PIPE DATA
Plastic / Steel IF STEEL: Bare Coated _____ Coat Type: _____ Propane Operating Pressure (PSI) 26 PSI
Diameter 3/4" Cathodically protected: _____ Yes No ALDYL Pipe

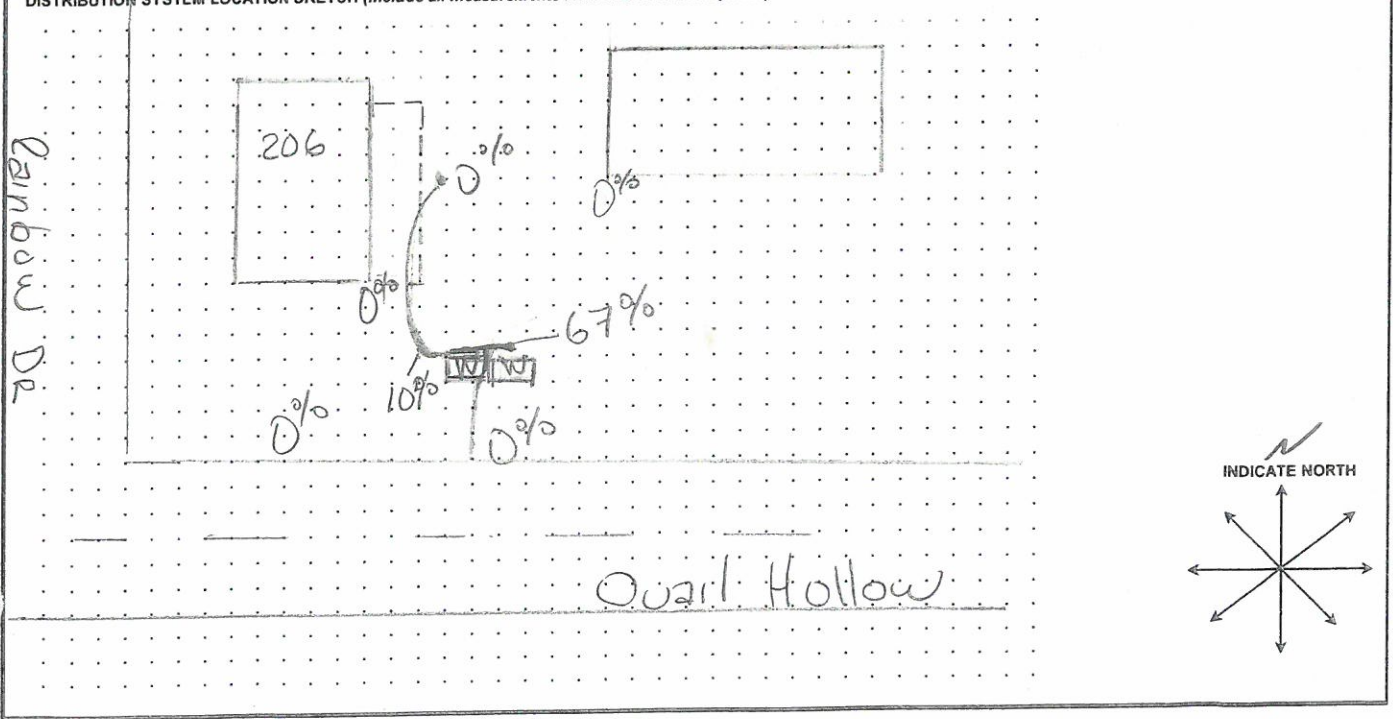
INSTRUMENT USED: FI Unit CGI Description of Leak / Investigation Performed: Manny got some reads with FI so I brought CGI out we allowed out leak spread pinpointed and graded leak.
Highest Reading: 67 % Gas
(Indicate on sketch below) _____ % LEL
_____ PPM
_____ Negative
SIGNATURE OF LEAK INVESTIGATOR: Chris Becher
(first person on site of leak)

SOIL CONDITIONS: Gravel Sand Granite Clay Gumbo Other _____
SOIL MOISTURE: Dry Damp Wet
CAUSE OF LEAK: Corrosion Natural Force Excavation Outside Force Materials/Welds Equipment Operations Other small crack next to 3/4" fusion Tee
Internal Condition of Steel: Good Fair Poor Wet Dry
External Condition of Pipe: Good Fair Poor Wet Dry
Tracer Wire Condition: Good Fair Poor Wet Dry
Pipe-to-Soil Potential: _____ Anodes Installed (#): _____

Method of Repair: Replaced entire service
Date Repaired: 8-19-15 Service Order #: _____
Date of Follow-up Inspection (if needed): _____
If DOT Reportable, Date and Time of telephone report: _____
To Whom was leak reported: _____

REMARKS: We dug up and clamped line below Tee on 8-18-15 MPL came out on 8-19-15 and replaced Tee and service to 206 S Rainbow Dr
SIGNATURE (OF ONE WHO REPAIRED): Chris Becher DATE: 8-19-15 SUPERVISOR'S SIGNATURE: Don Becher DATE: 8-19-15

(REFER TO INSTRUCTIONS FOR COMPLETING)
DISTRIBUTION SYSTEM LOCATION SKETCH (include all measurements from fixed reference points)





Alliant Gas Arizona

INSTRUCTIONS FOR COMPLETING GAS LEAK AND REPAIR REPORT (PIPELINE INSPECTION REPORT)

Indicate the reason(s) for the report by checking the applicable box at the top.

If report is initiated because of a leak, the reports should be numbered consecutively including the last two digits in the current year.

Example: 1-02, 2-02, 3-02, etc. Reports of Pipe Inspections with no leakage involved need not be numbered.

Most items on the form are self-explanatory, requiring only entering a size, dimension, or a check mark. If corrosion is present, describe it under Remarks - whether it is concentrated to one area or spread over a large area, or other information to assist in evaluating condition. Under Pipe Data, circle whether pipe is plastic or steel. Examples of coating type include X-tru coat, mill wrap, tape coat, etc.

The location of the gas leaks or damages should be determined by measurement to the nearest foot, in relation to fixed reference points.

For distribution leaks, report the map page number and measure the distance from property line or other permanent marker. Enter location of distribution leak locations on the sketch space. Every area that was bar-holed should be represented on the sketch.

The location of line inspections does not require measurement to the nearest foot and may be described in general terms. Example: 4-inch main on north side of Main Street.

DISPOSITION OF REPORT COPIES

First Copy: Retain in appropriate Division Office files.

Second Copy: Alliant Gas Compliance Office

CAUSE OF LEAK DEFINITIONS

"Corrosion" - escape of gas resulting from a hole in the pipeline or component caused by galvanic, bacterial, chemical, stray current, or other corrosion action.

"Natural Forces" - earth movements, earthquakes, landslides, subsidence, lightning, heavy rains/floods, washouts, flotation, mudslide, scouring, temperature, frost heave, frozen components, high winds, or similar natural causes.

"Excavation" - damage caused by earth moving and other equipment, tools, or vehicles. Includes leaks from damage by operator's personnel or contractor or people not associated with the operator.

"Outside Force Damage" - damage caused by fire or explosion and deliberate or willful acts, such as vandalism.

"Material and Welds" - Faulty wrinkle bends, faulty field welds, and damage sustained in transportation to the construction or fabrication site. Includes leaks after a dent, gouge, ~~excessive stress~~ etc., occurs on originally sound material. Also includes leaks resulting from a defect in the pipe material, component, or the longitudinal weld or seam due to faulty manufacturing procedures. Report leaks from material deterioration, other than corrosion, after exceeding the reasonable service life, under "Other."

"Equipment" - malfunction of control/relief equipment including valves, regulators, or other instrumentation; stripped threads or broken pipe couplings on nipples, valves, or mechanical couplings; or seal failures on gaskets, O-rings, seal/pump packing, or a similar leak.

"Operations" - leak resulting from inadequate procedures or safety practices, or failure to follow correct procedures, or other operator error.

"Other" - any other cause, such as exceeding the service life, not attributable to the above causes.

Alliant Gas GAS LINE FORM

- | | |
|---|---|
| <input type="checkbox"/> New | <input type="checkbox"/> EFV Added |
| <input checked="" type="checkbox"/> Replaced | <input checked="" type="checkbox"/> EFV Added |
| <input checked="" type="checkbox"/> Abandoned | <small>comment if an EFV is not installed on a new or replaced service as to why.</small> |
| <input type="checkbox"/> Repaired | |

Town: Star Valley Address: 206 S. Rainbow Dr

This form must be filled out completely when any service, main, or replacement line is done on Alliant's system.

Size of Service 1/2 Length of Service 28' Depth of Service 18" Sleeve size 3/4 Sleeve length 22'

Size of Main _____ Length of Main _____ Depth of Main _____ Size & Type of fitting _____ Fitting Lot# _____

If Mains or Services cannot meet minimum requirements (Mains - 24" Services - 12") you must explain why

LINE TESTING

Test Date 8/19/15 Test Duration 1hr Test Medium Air Inert Gas PSI @ 98 Pipe Lot # 06

Test Gauge # 5070 Calib. Date 8-16 Tested By: Chris Low NPL

PURGING

Purged Medium Air Propane Purged By: Chris Low NPL CGI # used 9008 Callb. Date 8-16

FITTER

Alliant Gas NPL Lyco Fitting Elect-fusion Heat-Fusion Fitted By: Chris Low NPL

Inspected trench prior to installing pipe & following the installation of shaded material with no more than 3" minus 6" above shading.

3/8" minus sandy type soil with 6" bedding & shading and at least 2" on sides was used. Installed By: Chris Low NPL

Comments: Abandon existing 3/4 PE service; trench in new 1/2 PE service in 3/4 sleeve

Inventory	Description	Size	Charging	
			Customer	Not Charging Customer
055-18-4390	PS 3	each		
055-18-4300	PE Pipe	1/2 "	<u>Do</u>	<u>28'</u>
055-18-4290	PE Pipe	3/4 "	<u>Sleeve</u>	<u>22'</u>
055-18-4460	PE Pipe	1 1/4 "		
105-01-2000	Lyco Coupling	1/2 "		
105-01-1020	Lyco Coupling	3/4 "		
105-01-1090	Lyco Reducer Coupling	3/4 x 1/2 "		
105-02-1060	Lyco Cap	1/2 "		
105-02-1000	Lyco Cap	3/4 "		
110-18-1000	Riser w valve	3/4 x 1/2 "		
110-18-1020	Riser w valve	3/4 "		
015-05-2200	DI Electric Union	3/4"		
120-00-1000	MobileHome Flex			
075-17-1040	Copper Tubing			
	EFV	3/4"		
	EFV	1/2 "		
	<u>Lyco Inline Tee</u>	<u>3/4 1/2 1/2</u>		



Draw a detailed map on back of this sheet

Inspected By: Chris Low NPL
Supervisor: [Signature]

Date: 8/19/2015
Date: 10-20-15



GAS LEAK INSPECTION & REPAIR REPORT

REPORT# _____

Pipe Inspection 4693

Meter Inspection Report

Town: Pine

Address: Intersection of Portal Dr - Lakeview Date: 9-16-15

If leak, Date Detected: 9-16-15

By Whom: Chris

Date Leak Investigator was Dispatched: 9-16-15

Time: _____ (AM/PM)

LEAK CLASS (circle) _____

Date Leak Investigator Responded: 9-16-15

Time: _____ (AM/PM)

1 (2) 3

Pipeline Type (Check one):

Distribution Main

Service Line

Describe specific location: (See instructions)

Leak was on 2" main in intersection of Portal Dr and Lakeview Cir. See map.

Map Book #: _____

PIPE DATA

Elastic / Steel

IF STEEL: Bare Coated

Coat Type: _____

Propane

Operating Pressure (PSI) 25

Diameter 2"

ALDYL Pipe

Cathodically protected: Yes No

INSTRUMENT USED:

FI Unit CG

Description of Leak / Investigation Performed:

Highest Reading: 90 % Gas

% LEL

(indicate on sketch below)

PPM

Negative

SIGNATURE OF LEAK INVESTIGATOR

(first person on site of leak)

I was walking greg with FI I got same reads so I switched to CGI #6485 zeroed out leaks spread graded leak then pinpointed leak
Chris Buda

SOIL CONDITIONS

- Gravel
- Sand
- Granite
- Clay
- Gumbo
- Other _____

SOIL MOISTURE

- Dry
- Damp
- Wet

CAUSE OF LEAK

- Corrosion
- Natural Force
- Excavation
- Outside Force
- Materials/Welds
- Equipment
- Operations
- Other _____

- Internal Condition of Steel: Good Fair Poor Wet Dry
- External Condition of Pipe: Good Fair Poor Wet Dry
- Tracer Wire Condition: Good Fair Poor Wet Dry

Pipe-to-Soil Potential: _____ Anodes Installed (#): _____

Stress crack next to 2" Lyco Coupling

Method of Repair: Cut out coupling replaced 2' 1/4" PE main

Date Repaired: 9-17-15

Service Order #: _____

Date of Follow-up Inspection (if needed): _____

If DOT Reportable, Date and Time of telephone report: _____

To Whom was leak reported: _____

REMARKS:

Chris Buda
SIGNATURE (OF ONE WHO REPAIRED)

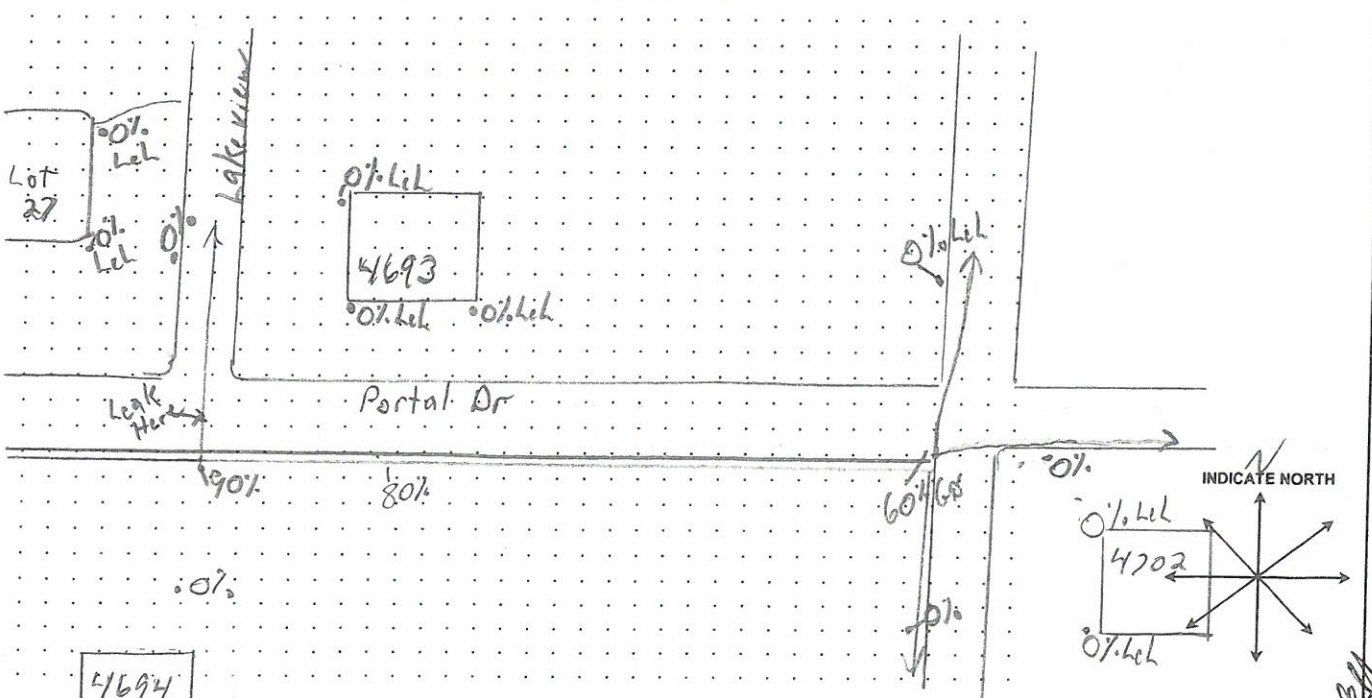
DATE

Dan Director
SUPERVISOR'S SIGNATURE

DATE

(REFER TO INSTRUCTIONS FOR COMPLETING)

DISTRIBUTION SYSTEM LOCATION SKETCH (include all measurements from fixed reference points)



10/14/15



Alliant Gas Arizona
INSTRUCTIONS FOR COMPLETING GAS LEAK AND REPAIR REPORT (PIPELINE INSPECTION REPORT)

Indicate the reason(s) for the report by checking the applicable box at the top.
If report is initiated because of a leak, the reports should be numbered consecutively including the last two digits in the current year.
Example: 1-02, 2-02, 3-02, etc. Reports of Pipe Inspections with no leakage involved need not be numbered.

Most items on the form are self-explanatory, requiring only entering a size, dimension, or a check mark. If corrosion is present, describe it under Remarks - whether it is concentrated to one area or spread over a large area, or other information to assist in evaluating condition. Under Pipe Data, circle whether pipe is plastic or steel. Examples of coating type include X-tru coat, mill wrap, tape coat, etc.

The location of the gas leaks or damages should be determined by measurement to the nearest foot, in relation to fixed reference points.

For distribution leaks, report the map page number and measure the distance from property line or other permanent marker. Enter location of distribution leak locations on the sketch space. Every area that was bar-holed should be represented on the sketch.

The location of line inspections does not require measurement to the nearest foot and may be described in general terms. Example: 4-inch main on north side of Main Street.

DISPOSITION OF REPORT COPIES

First Copy: Retain in appropriate Division Office files.

Second Copy: Alliant Gas Compliance Office

CAUSE OF LEAK DEFINITIONS

"Corrosion" - escape of gas resulting from a hole in the pipeline or component caused by galvanic, bacterial, chemical, stray current, or other corrosion action.

"Natural Forces" - earth movements, earthquakes, landslides, subsidence, lightning, heavy rains/floods, washouts, flotation, mudslide, scouring, temperature, frost heave, frozen components, high winds, or similar natural causes.

"Excavation" - damage caused by earth moving and other equipment, tools, or vehicles. Includes leaks from damage by operator's personnel or contractor or people not associated with the operator.

"Outside Force Damage" - damage caused by fire or explosion and deliberate or willful acts, such as vandalism.

"Material and Welds" - Faulty wrinkle bends, faulty field welds, and damage sustained in transportation to the construction or fabrication site. Includes leaks after a dent, gouge, excessive stress, etc., occurs on originally sound material. Also includes leaks resulting from a defect in the pipe material, component, or the longitudinal weld or seam due to faulty manufacturing procedures. Report leaks from material deterioration, other than corrosion, after exceeding the reasonable service life, under "Other."

"Equipment" - malfunction of control/relief equipment including valves, regulators, or other instrumentation; stripped threads or broken pipe couplings on nipples, valves, or mechanical couplings; or seal failures on gaskets, O-rings, seal/pump packing, or a similar leak.

"Operations" - leak resulting from inadequate procedures or safety practices, or failure to follow correct procedures, or other operator error.

"Other" - any other cause, such as exceeding the service life, not attributable to the above causes.

Alliant Gas GAS LINE FORM

Portal Or
and

- New
 - Replaced
 - Abandoned
 - Repaired
 - EFV Added
 - EFV Added
- comment if an EFV is not installed on a new or replaced service as to why.

Town: Pine

Address: Inter Section of Lakeview

This form must be filled out completely when any service, main, or replacement line is done on Alliant's system.

Size of Service _____ Length of Service _____ Depth of Service _____ Sleeve size _____ Sleeve length _____

Size of Main 1 1/4 Length of Main 2' new Depth of Main 28" Size & Type of fitting Lyco Couplings Fitting Lot# _____

If Mains or Services cannot meet minimum requirements (Mains - 24" Services - 12") you must explain why

LINE TESTING
 Pretested
 Test Date 8-22-12 Test Duration 24hrs Test Medium Air Inert Gas PSI @ 98 Pipe Lot # KK04033012
 Test Gauge # 5048 Calib. Date 8-6-12 Tested By: Chris Low - N.P.L

PURGING
 Purged Medium Air Propane Purged By: Chris CGI # used _____ Calib. Date _____

FITTER
 Alliant Gas NPL Lyco Fitting Elect-fusion Heat-Fusion Fitted By: Chris

Inspected trench prior to installing pipe & following the installation of shaded material with no more than 3" minus 6" above shading.

3/8" minus sandy type soil with 6" bedding & shading and at least 2" on sides was used. Repaired by Chris - Dan - Dave - Manny
Installed By: _____

Comments: We dug up and found leak next to 2" Lyco Coupling where IT went from new PE to old Aldyl PE. SO we cut out coupling and 2x 1/4" fusion coupling and installed 2' of new 1 1/4" PE and Lyco 2x 1/4" Coupling. Purged Soap tested couplings and clamp locations shaded and back filled.

Inventory	Description	Size	Customer	
			Charging	Not Charging
055-18-4390	PS 3	each		
055-18-4300	PE Pipe	1/2 "		
055-18-4290	PE Pipe	3/4 "		
055-18-4460	PE Pipe	1 1/4 "		2'
105-01-2000	Lyco Coupling	1/2 "		
105-01-1020	Lyco Coupling	3/4 "		
105-01-1000	Lyco Reducer Coupling	3/4 x 1/2 "		
105-02-1060	Lyco Cap	1/2 "		
105-02-1000	Lyco Cap	3/4 "		
110-18-1000	Riser w valve	3/4 x 1/2 "		
110-18-1020	Riser w valve	3/4 "		
015-05-2200	DI Electric Union	3/4"		
120-00-1000	MobileHome Flex			
075-17-1040	Copper Tubing			
	EFV	3/4"		
	EFV	1/2 "		

Lyco Coupling 1 1/4" 1
Lyco Coupling 2x 1/4" 1



Draw a detailed map on back of this sheet

Inspected By: Chris Dan - Dave - Manny

Date: 9-12-15

Supervisor: Don Sutton

Date: 10-14-15

Alliant Gas

Date 9-17-15

Map

Sketch of Gas Line (include all measurements from fixed reference points and must be as accurate as possible)

Lake View



ALLOY - existing 1/4" Joint Trench

28" deep

Leak was Here

1/4" Lyco Coupling

2x 1/4" Lyco Coupling

edge of Road

New 21" PE main





GAS LEAK INSPECTION & REPAIR REPORT

REPORT# _____

Pipe Inspection

Meter Inspection Report

Town: Pine Address: Intersection of Portal Dr - Lakeview Date: 9-16-15

If leak, Date Detected: 9-16-15 By Whom: Chris

Date Leak Investigator was Dispatched: 9-16-15 Time: _____ (AM/PM) LEAK CLASS (circle) _____

Date Leak Investigator Responded: 9-16-15 Time: _____ (AM/PM) LEAK CLASS (circle) 1 2 3

Pipeline Type (Check one): Distribution Main Service Line Describe specific location: (See instructions) Leak was on 2" main in intersection of Portal Dr and Lakeview Cir. See map.

Map Book #: _____

PIPE DATA: IF STEEL: Bare Coated Coat Type: _____ Propane Operating Pressure (PSI) 25

Elastic / Steel Cathodically protected: Yes No Diameter 2" ALDYL Pipe

INSTRUMENT USED: FI Unit CGI Description of Leak / Investigation Performed: I was walking area with FI I got some reads so I switched to CGI #6485 zeroed out leak spread graded leak then pinpointed leak
Highest Reading: 90 % Gas
(Indicate on sketch below) _____ PPM
_____ Negative
SIGNATURE OF LEAK INVESTIGATOR: Chris Beuhr
(first person on site of leak)

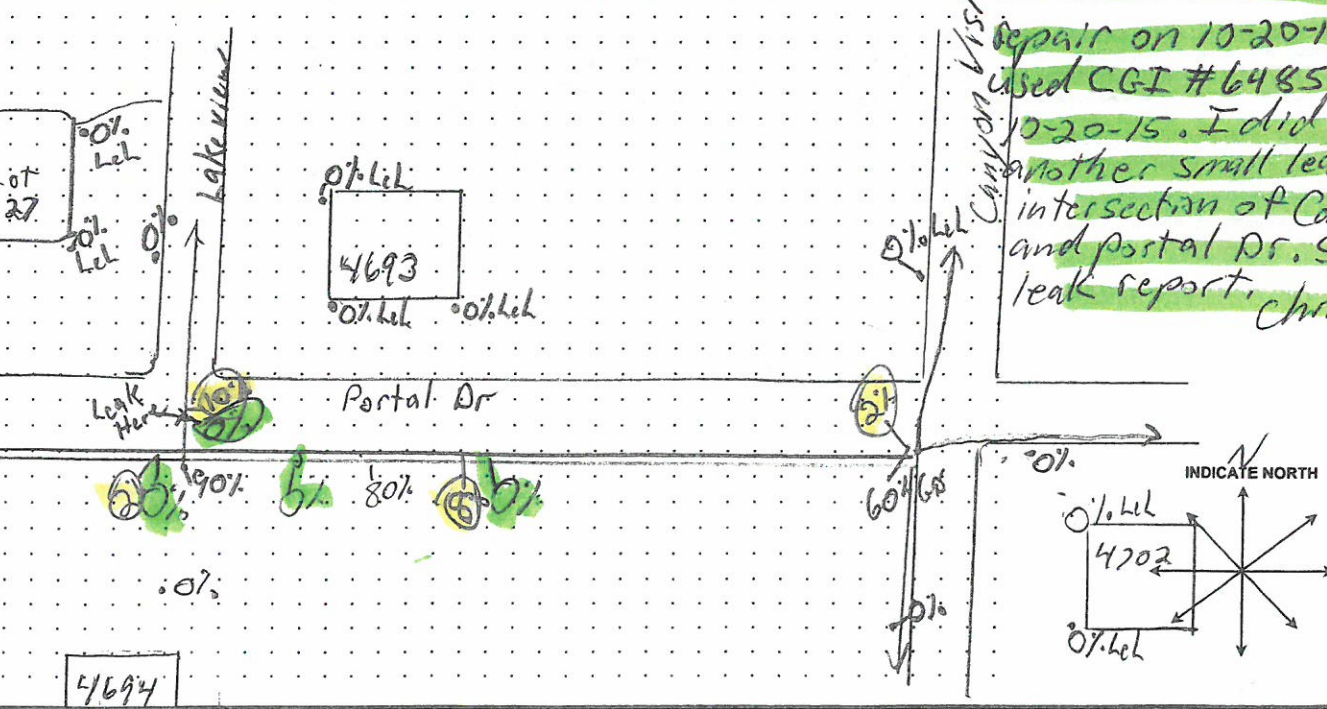
SOIL CONDITIONS: Gravel Sand Granite Clay Gumbo Other _____
SOIL MOISTURE: Dry Damp Wet
CAUSE OF LEAK: Corrosion Natural Force Excavation Outside Force Materials/Welds Equipment Operations Other Stress crack next to 2" Lyco Coupling
Internal Condition of Steel: Good Fair Poor Wet Dry
External Condition of Pipe: Good Fair Poor Wet Dry
Tracer Wire Condition: Good Fair Poor Wet Dry
Pipe-to-Soil Potential: _____ Anodes Installed (#): _____

Method of Repair: cut out coupling replaced 2' 1 1/4" PE main
Date Repaired: 9-17-15 Service Order #: _____
Date of Follow-up Inspection (if needed): _____

If DOT Reportable, Date and Time of telephone report: _____
To Whom was leak reported: _____

REMARKS: I rechecked leak repair area on 9-21-15 with CGI #6485 cal 9-21-15 all readings have gone down I still get 10% high read where leak was repaired. Chris 9-21-15
Chris Beuhr Dan Hector 12-1-15
SIGNATURE (OF ONE WHO REPAIRED) DATE SUPERVISOR'S SIGNATURE DATE

(REFER TO INSTRUCTIONS FOR COMPLETING)
DISTRIBUTION SYSTEM LOCATION SKETCH (include all measurements from fixed reference points)





Alliant Gas Arizona
INSTRUCTIONS FOR COMPLETING GAS LEAK AND REPAIR REPORT (PIPELINE INSPECTION REPORT)

Indicate the reason(s) for the report by checking the applicable box at the top.
If report is initiated because of a leak, the reports should be numbered consecutively including the last two digits in the current year.
Example: 1-02, 2-02, 3-02, etc. Reports of Pipe Inspections with no leakage involved need not be numbered.

Most items on the form are self-explanatory, requiring only entering a size, dimension, or a check mark. If corrosion is present, describe it under Remarks - whether it is concentrated to one area or spread over a large area, or other information to assist in evaluating condition. Under Pipe Data, circle whether pipe is plastic or steel. Examples of coating type include X-tru coat, mill wrap, tape coat, etc.

The location of the gas leaks or damages should be determined by measurement to the nearest foot, in relation to fixed reference points.

For distribution leaks, report the map page number and measure the distance from property line or other permanent marker. Enter location of distribution leak locations on the sketch space. Every area that was bar-holed should be represented on the sketch.

The location of line inspections does not require measurement to the nearest foot and may be described in general terms. Example: 4-inch main on north side of Main Street.

DISPOSITION OF REPORT COPIES

First Copy: Retain in appropriate Division Office files.

Second Copy: Alliant Gas Compliance Office

CAUSE OF LEAK DEFINITIONS

"Corrosion" - escape of gas resulting from a hole in the pipeline or component caused by galvanic, bacterial, chemical, stray current, or other corrosion action.

"Natural Forces" - earth movements, earthquakes, landslides, subsidence, lightning, heavy rains/floods, washouts, flotation, mudslide, scouring, temperature, frost heave, frozen components, high winds, or similar natural causes.

"Excavation" - damage caused by earth moving and other equipment, tools, or vehicles. Includes leaks from damage by operator's personnel or contractor or people not associated with the operator.

"Outside Force Damage" - damage caused by fire or explosion and deliberate or willful acts, such as vandalism.

"Material and Welds" - Faulty wrinkle bends, faulty field welds, and damage sustained in transportation to the construction or fabrication site. Includes leaks after a dent, gouge, excessive stress, etc., occurs on originally sound material. Also includes leaks resulting from a defect in the pipe material, component, or the longitudinal weld or seam due to faulty manufacturing procedures. Report leaks from material deterioration, other than corrosion, after exceeding the reasonable service life, under "Other."

"Equipment" - malfunction of control/relief equipment including valves, regulators, or other instrumentation; stripped threads or broken pipe couplings on nipples, valves, or mechanical couplings; or seal failures on gaskets, O-rings, seal/pump packing, or a similar leak.

"Operations" - leak resulting from inadequate procedures or safety practices, or failure to follow correct procedures, or other operator error.

"Other" - any other cause, such as exceeding the service life, not attributable to the above causes.

CLOSEST ST # 4702 CANYON VISTA

**Alliant Gas
GAS LINE FORM**

Town: Pine

Address:

Intersection of Portal
Dr and Canyon Vista

- New
 Replaced
 Abandoned
 Repaired

- EFV Added
 EFV Added
comment if an EFV is not installed on a new or replaced service as to why.

This form must be filled out completely when any service, main, or replacement line is done on Alliant's system.

Size of Service _____ Length of Service _____ Depth of Service _____ Sleeve size _____ Sleeve length _____

Size of Main 2" new Length of Main 2' new Depth of Main 28" Size & Type of fitting 2" Lyco Couplings
Fitting Lot # _____

If Mains or Services cannot meet minimum requirements (Mains - 24" Services - 12") you must explain why

LINE TESTING

Test Date 8-24-15 Test Duration 24hrs Test Medium Air Inert Gas PSI @ 98 Pipe Lot # 100114 Coit # 276

Test Gauge # 5070 Calib. Date 8-6-15 Tested By: Chris Low N.P.L.

PURGING

Purged Medium Air Propane Purged By: Chris CGI # used _____ Calib. Date _____

FITTER

Alliant Gas NPL Lyco Fitting Elect-fusion Heat-Fusion Fitted By: Chris B

Inspected trench prior to installing pipe & following the installation of shaded material with no more than 3" minus 6" above shading.

3/8" minus sandy type soil with 6" bedding & shading and at least 2" on sides was used. Installed By: Repaired by Chris - Dave M

Comments: We dug up and found small leak on 2" ALOYI PE next to 2" 90° we cut out both 2" 90° and installed 2' of pretested 2" PE with 2-2" Lyco Couplings purged snag tested connections shaded and back filled

Inventory	Description	Size	Charging	
			Customer	Not Charging Customer
055-18-4390	PS 3	each		
055-18-4300	PE Pipe	1/2 "		
055-18-4290	PE Pipe	3/4 "		
055-18-4460	PE Pipe	1 1/4 "		
105-01-2000	Lyco Coupling	1/2 "		
105-01-1020	Lyco Coupling	3/4 "		
105-01-1000	Lyco Reducer Coupling	3/4 x 1/2 "		
105-02-1060	Lyco Cap	1/2 "		
105-02-1000	Lyco Cap	3/4 "		
110-18-1000	Riser w valve	3/4 x 1/2 "		
110-18-1020	Riser w valve	3/4 "		
015-05-2200	DI Electric Union	3/4"		
120-00-1000	MobileHome Flex			
075-17-1040	Copper Tubing			
	EFV	3/4"		
	EFV	1/2 "		

Lyco Coupling 2"
PE Pipe 2' 2



Draw a detailed map on back of this sheet

Inspected By: Chris - Dave M. - N.P.L crew Saw cut road and hand dig Date: 10-21-15
Supervisor: AS Date: 10-25-15

Handwritten signature and date: 11/24/15

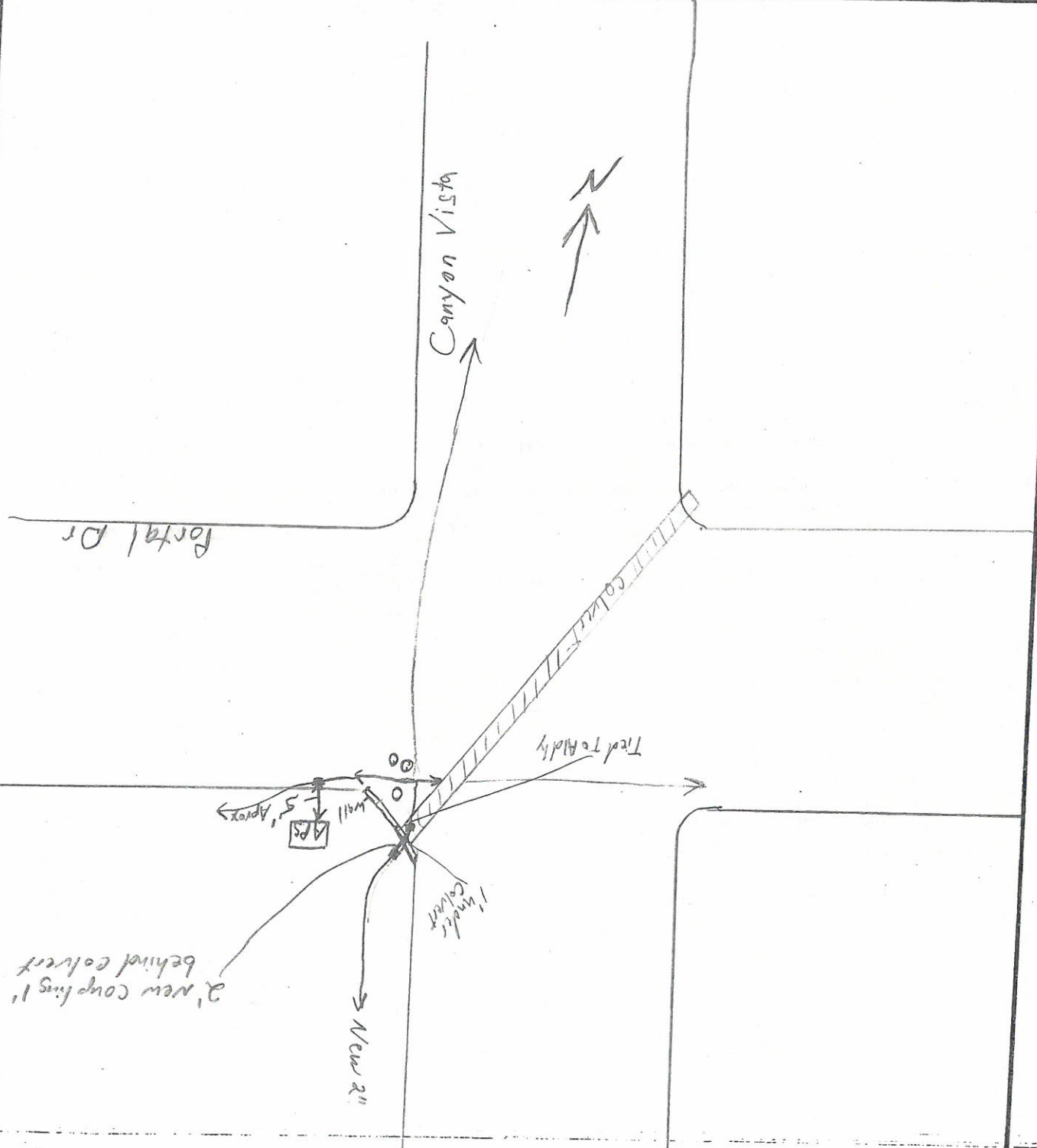
with location map to be provided

Alliant Gas

Date

Map

Sketch of Gas Line (include all measurements from fixed reference points and must be as accurate as possible)





GAS LEAK INSPECTION & REPAIR REPORT

REPORT# _____

Pipe Inspection North

Meter Inspection Report

Town: Pine

Address: Intersection of Portal Dr and Canyon Vista

Date: 10-21-15

If leak, Date Detected: 10-21-15

By Whom: Chris

Date Leak Investigator was Dispatched: _____

Time: _____ AM / PM

LEAK CLASS (circle) _____

Date Leak Investigator Responded: _____

Time: _____ AM / PM

1 2 3

Pipeline Type (Check one):

Distribution Main

Service Line

Describe specific location: (See instructions)

leak was on on 2" ALDYL pipe on SW corner of Intersection. See Attached map

Map Book #: _____

PIPE DATA

Plastic / Steel

IF STEEL: Bare Coated

Coat Type: _____

Propane

Operating Pressure (PSI) _____

Cathodically protected: _____

Yes No

25

Diameter 2"

ALDYL Pipe

INSTRUMENT USED:

FI Unit CG

Description of Leak / Investigation Performed:

I was rechecking leak repair on Portal Dr and Lake view and I got higher reads at intersection of Portal Dr and Canyon Vista. Zeroed out leak spread graded leak pinpointed along pipe and repaired.

Highest Reading: 60

% Gas

Dr and Lake view and I got higher reads at intersection of Portal Dr and Canyon Vista. Zeroed out leak spread graded leak pinpointed along pipe and repaired.

(indicate on sketch below)

PPM _____
Negative _____

SIGNATURE OF LEAK INVESTIGATOR

(first person on site of leak)

Chris Beeler

SOIL CONDITIONS

SOIL MOISTURE

CAUSE OF LEAK

- Gravel
- Sand
- Granite
- Clay
- Gumbo
- Other _____

- Dry
- Damp
- Wet

- Corrosion
- Natural Force
- Excavation
- Outside Force
- Materials/Welds
- Equipment
- Operations
- Other

- Internal Condition of Steel: Good Fair Poor Wet Dry
- External Condition of Pipe: Good Fair Poor Wet Dry
- Tracer Wire Condition: Good Fair Poor Wet Dry

Pipe-to-Soil Potential: _____ Anodes Installed (#): _____

Small Crack next to Lyco 90°

Method of Repair: Cut out and replaced 2' PE main

Date Repaired: 10-21-15

Service Order #: _____

Date of Follow-up Inspection (if needed): _____

If DOT Reportable, Date and Time of telephone report: _____

To Whom was leak reported: _____

REMARKS:

Chris Beeler
SIGNATURE (OF ONE WHO REPAIRED)

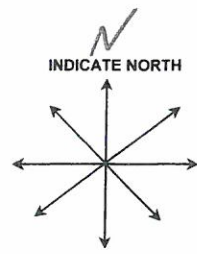
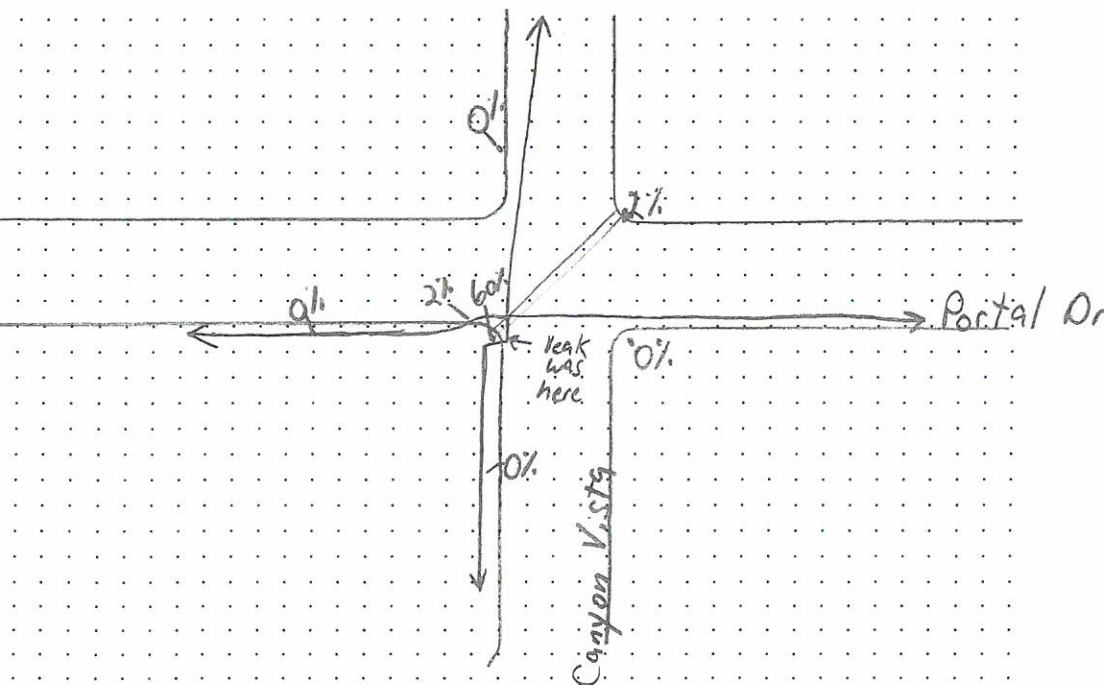
10-21-15
DATE

Amberley
SUPERVISOR'S SIGNATURE

11-25-15
DATE

(REFER TO INSTRUCTIONS FOR COMPLETING)

DISTRIBUTION SYSTEM LOCATION SKETCH (include all measurements from fixed reference points)





Alliant Gas Arizona
INSTRUCTIONS FOR COMPLETING GAS LEAK AND REPAIR REPORT (PIPELINE INSPECTION REPORT)

Indicate the reason(s) for the report by checking the applicable box at the top.

If report is initiated because of a leak, the reports should be numbered consecutively including the last two digits in the current year.
Example: 1-02, 2-02, 3-02, etc. Reports of Pipe Inspections with no leakage involved need not be numbered.

Most items on the form are self-explanatory, requiring only entering a size, dimension, or a check mark. If corrosion is present, describe it under Remarks - whether it is concentrated to one area or spread over a large area, or other information to assist in evaluating condition. Under Pipe Data, circle whether pipe is plastic or steel. Examples of coating type include X-tru coat, mill wrap, tape coat, etc.

The location of the gas leaks or damages should be determined by measurement to the nearest foot, in relation to fixed reference points.

For distribution leaks, report the map page number and measure the distance from property line or other permanent marker. Enter location of distribution leak locations on the sketch space. Every area that was bar-holed should be represented on the sketch.

The location of line inspections does not require measurement to the nearest foot and may be described in general terms. Example: 4-inch main on north side of Main Street.

DISPOSITION OF REPORT COPIES

First Copy: Retain in appropriate Division Office files.

Second Copy: Alliant Gas Compliance Office

CAUSE OF LEAK DEFINITIONS

"Corrosion" - escape of gas resulting from a hole in the pipeline or component caused by galvanic, bacterial, chemical, stray current, or other corrosion action.

"Natural Forces" - earth movements, earthquakes, landslides, subsidence, lightning, heavy rains/floods, washouts, flotation, mudslide, scouring, temperature, frost heave, frozen components, high winds, or similar natural causes.

"Excavation" - damage caused by earth moving and other equipment, tools, or vehicles. Includes leaks from damage by operator's personnel or contractor or people not associated with the operator.

"Outside Force Damage" - damage caused by fire or explosion and deliberate or willful acts, such as vandalism.

"Material and Welds" - Faulty wrinkle bends, faulty field welds, and damage sustained in transportation to the construction or fabrication site. Includes leaks after a dent, gouge, excessive stress, etc., occurs on originally sound material. Also includes leaks resulting from a defect in the pipe material, component, or the longitudinal weld or seam due to faulty manufacturing procedures. Report leaks from material deterioration, other than corrosion, after exceeding the reasonable service life, under "Other."

"Equipment" - malfunction of control/relief equipment including valves, regulators, or other instrumentation; stripped threads or broken pipe couplings on nipples, valves, or mechanical couplings; or seal failures on gaskets, O-rings, seal/pump packing, or a similar leak.

"Operations" - leak resulting from inadequate procedures or safety practices, or failure to follow correct procedures, or other operator error.

"Other" - any other cause, such as exceeding the service life, not attributable to the above causes.



GAS LEAK INSPECTION & REPAIR REPORT

REPORT# _____

Pipe Inspection North Meter Inspection Report

Town: Pine Address: Intersection of Portal Dr and Canyon Vista Date: 10-21-15
If leak, Date Detected: 10-21-15 By Whom: Chris

Date Leak Investigator was Dispatched: _____ Time: _____ AM / PM LEAK CLASS (circle) _____
Date Leak Investigator Responded: _____ Time: _____ AM / PM 1 2 3

Pipeline Type (Check one): Distribution Main Describe specific location: (See instructions) Leak was on on 2" A1011 Pipe on SW corner of Intersection. See Attached map
Service Line

Map Book #: _____
PIPE DATA
Plastic / Steel IF STEEL: Bare Coated _____ Coat Type: _____ Propane Operating Pressure (PSI) 25
Diameter 2" Cathodically protected: Yes No ALDYL Pipe

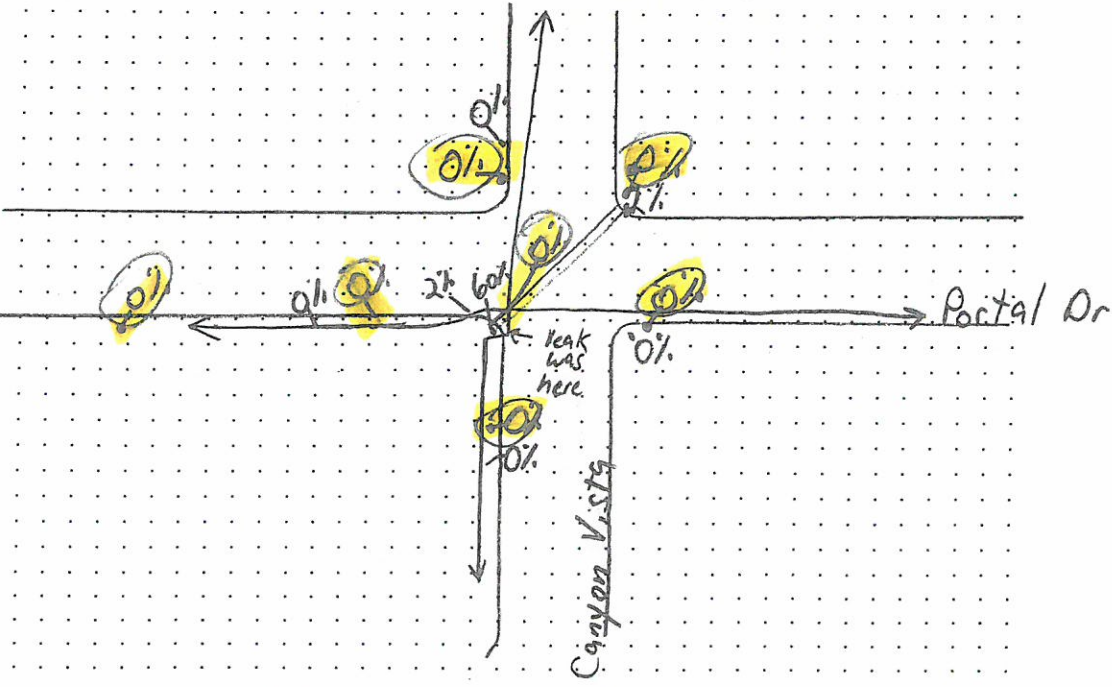
INSTRUMENT USED: FI Unit CG Description of Leak / Investigation Performed: I was rechecking leak repair on Portal Dr and Lakeview and I got higher reads at intersection of Portal Dr and Canyon Vista. Zeroed out leak spread graded leak pinpointed and repaired.
Highest Reading: 60 % Gas
(Indicate on sketch below) _____ % LEL
_____ PPM
_____ Negative
SIGNATURE OF LEAK INVESTIGATOR Chris Beeler
(first person on site of leak)

SOIL CONDITIONS
Gravel Sand Granite Clay Gumbo Other _____
SOIL MOISTURE
Dry Damp Wet
CAUSE OF LEAK
Corrosion Natural Force Excavation Outside Force Materials/Welds Equipment Operations Other
Internal Condition of Steel: Good Fair Poor Wet Dry
External Condition of Pipe: Good Fair Poor Wet Dry
Tracer Wire Condition: Good Fair Poor Wet Dry
Pipe-to-Soil Potential: _____ Anodes Installed (#): _____
Small Crack next to Lyco 90°

Method of Repair: Cut out and replaced 2' PE main
Date Repaired: 10-21-15 Service Order #: _____
Date of Follow-up Inspection (if needed): _____
If DOT Reportable, Date and Time of telephone report: _____
To Whom was leak reported: _____

REMARKS: I zeroed out leak repair on 10-30-15 I used CG-I #6485 cal 10-30-15 all holes checked were 0% LEL. Checked by Chris 10-30-15
Chris Beeler 10-21-15 DATE Humbert 11-25-15 SUPERVISOR'S SIGNATURE DATE

(REFER TO INSTRUCTIONS FOR COMPLETING)
DISTRIBUTION SYSTEM LOCATION SKETCH (include all measurements from fixed reference points)





GAS LEAK INSPECTION & REPAIR REPORT

REPORT# _____

Pipe Inspection

Meter Inspection Report

Town: Payson Address: In front of 405 E Evergreen Date: 9-22-15

If leak, Date Detected: 9-22-15 By Whom: Chris

Date Leak Investigator was Dispatched: 9-22-15 Time: _____ AM (PM) LEAK CLASS (circle) _____

Date Leak Investigator Responded: 9-22-15 Time: _____ AM (PM) 1 (2) 3

Pipeline Type (Check one): Distribution Main Service Line Describe specific location: (See instructions) Leak was on 1 1/2" PE main in front of 405 Evergreen See Attached map

Map Book #: _____

PIPE DATA: IF STEEL: Bare Coated Coat Type: _____ Propane Operating Pressure (PSI) 27

Diameter: 1 1/2" Plastic / Steel Cathodically protected: _____ Yes No ALDYL Pipe

INSTRUMENT USED: FI Unit CG Description of Leak / Investigation Performed: Checked area with FI I got some reads so I switched to CG #6485 Cal 9-22-15 zeroed out leak spread graded leak then pin pointed leak

Highest Reading: 95 % Gas % LEL _____ PPM _____ Negative SIGNATURE OF LEAK INVESTIGATOR: Chris Burk

SOIL CONDITIONS: Gravel Sand Granite Clay Gumbo Other _____ SOIL MOISTURE: Dry Damp Wet CAUSE OF LEAK: Corrosion Natural Force Excavation Outside Force Materials/Welds Equipment Operations Other: Tree Root - OAK

Internal Condition of Steel: Good Fair Poor Wet Dry External Condition of Pipe: Good Fair Poor Wet Dry Tracer Wire Condition: Good Fair Poor Wet Dry Pipe-to-Soil Potential: _____ Anodes Installed (#): _____

Method of Repair: Cut out and replaced 11' of 1 1/2" PE with 2" PE

Date Repaired: 9-23-15 Service Order #: _____

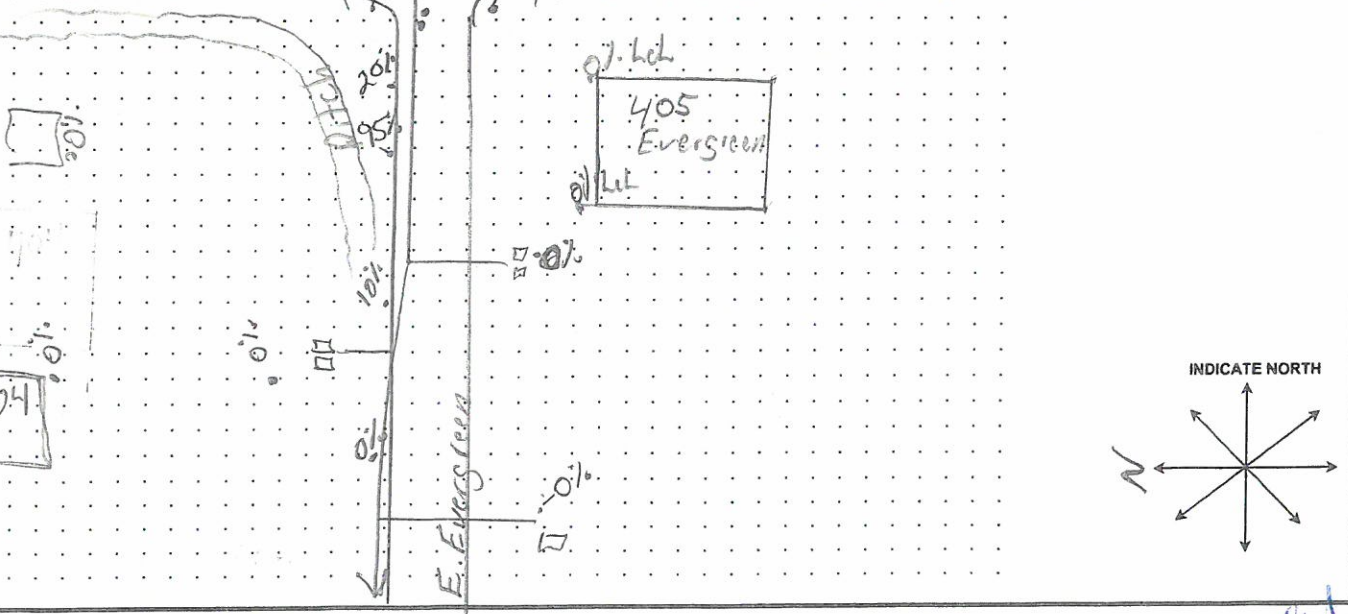
Date of Follow-up Inspection (if needed): _____

If DOT Reportable, Date and Time of telephone report: _____ To Whom was leak reported: _____

REMARKS: _____

SIGNATURE (OF ONE WHO REPAIRED): Chris Burk DATE: 9-23-15 SUPERVISOR'S SIGNATURE: Dann Sutton DATE: 10-14-15

(REFER TO INSTRUCTIONS FOR COMPLETING) DISTRIBUTION SYSTEM LOCATION SKETCH (include all measurements from fixed reference points)



Handwritten signature and date: 10/14/15



Alliant Gas Arizona
INSTRUCTIONS FOR COMPLETING GAS LEAK AND REPAIR REPORT (PIPELINE INSPECTION REPORT)

Indicate the reason(s) for the report by checking the applicable box at the top.
If report is initiated because of a leak, the reports should be numbered consecutively including the last two digits in the current year.
Example: 1-02, 2-02, 3-02, etc. Reports of Pipe Inspections with no leakage involved need not be numbered.

Most items on the form are self-explanatory, requiring only entering a size, dimension, or a check mark. If corrosion is present, describe it under Remarks - whether it is concentrated to one area or spread over a large area, or other information to assist in evaluating condition. Under Pipe Data, circle whether pipe is plastic or steel. Examples of coating type include X-tru coat, mill wrap, tape coat, etc.

The location of the gas leaks or damages should be determined by measurement to the nearest foot, in relation to fixed reference points.

For distribution leaks, report the map page number and measure the distance from property line or other permanent marker. Enter location of distribution leak locations on the sketch space. Every area that was bar-holed should be represented on the sketch.

The location of line inspections does not require measurement to the nearest foot and may be described in general terms. Example: 4-inch main on north side of Main Street.

DISPOSITION OF REPORT COPIES

First Copy: Retain in appropriate Division Office files.

Second Copy: Alliant Gas Compliance Office

CAUSE OF LEAK DEFINITIONS

"Corrosion" - escape of gas resulting from a hole in the pipeline or component caused by galvanic, bacterial, chemical, stray current, or other corrosion action.

"Natural Forces" - earth movements, earthquakes, landslides, subsidence, lightning, heavy rains/floods, washouts, flotation, mudslide, scouring, temperature, frost heave, frozen components, high winds, or similar natural causes.

"Excavation" - damage caused by earth moving and other equipment, tools, or vehicles. Includes leaks from damage by operator's personnel or contractor or people not associated with the operator.

"Outside Force Damage" - damage caused by fire or explosion and deliberate or willful acts, such as vandalism.

"Material and Welds" - Faulty wrinkle bends, faulty field welds, and damage sustained in transportation to the construction or fabrication site. Includes leaks after a dent, gouge, excessive stress, etc., occurs on originally sound material. Also includes leaks resulting from a defect in the pipe material, component, or the longitudinal weld or seam due to faulty manufacturing procedures. Report leaks from material deterioration, other than corrosion, after exceeding the reasonable service life, under "Other."

"Equipment" -malfunction of control/relief equipment including valves, regulators, or other instrumentation; stripped threads or broken pipe couplings on nipples, valves, or mechanical couplings; or seal failures on gaskets, O-rings, seal/pump packing, or a similar leak.

"Operations" -leak resulting from inadequate procedures or safety practices, or failure to follow correct procedures, or other operator error.

"Other" -any other cause, such as exceeding the service life, not attributable to the above causes.

**Alliant Gas
GAS LINE FORM**

In front of

town: Payson

Address: 405 E EVERGREEN ST

- New
 Replaced
 Abandoned
 Repaired

 EFV Added
 EFV Added
comment if an EFV is not installed on a new or replaced service as to why.

This form must be filled out completely when any service, main, or replacement line is done on Alliant's system.

Size of Service Length of Service Depth of Service Sleeve size Sleeve length

Size of Main 2" Length of Main 11' new Depth of Main 48" Size & Type of fitting Lyco 2x1 1/2" Couplings

If Mains or Services cannot meet minimum requirements (Mains - 24" Services - 12") you must explain why

LINE TESTING

Test Date 6-11-13 Test Duration 24 hrs Test Medium Air Inert Gas PSI @ 98 Pipe Lot # KK04022513AB

Test Gauge # 5070 Calib. Date 8-6-12 Tested By: Chris Low NPL

PURGING

Purged Medium Air Propane Purged By: Bryon CGI # used 4692 Calib. Date 8-12-15

FITTER

Alliant Gas NPL Lyco Fitting Elect-fusion Heat-Fusion Fitted By: Bryon-Dan

Inspected trench prior to installing pipe & following the installation of shaded material with no more than 3" minus 6" above shading.

3/8" minus sandy type soil with 6" bedding & shading and at least 2" on sides was used. Installed By: Bryon-Dan

Comments: We dug up and found stress crack in 1 1/2" PE main caused by tree roots. We cut out 11' section and replaced with 2" pretested main. We purged soap tested fittings and clamp locations shaded and back filled.

Inventory	Description	Size	Charging		Not Charging	
			Customer		Customer	
055-18-4390	PS 3	each				
055-18-4300	PE Pipe	1/2 "				
055-18-4290	PE Pipe	3/4 "				
055-18-4460	PE Pipe	1 1/4 "				
105-01-2000	Lyco Coupling	1/2 "				
105-01-1020	Lyco Coupling	3/4 "				
105-01-1000	Lyco Reducer Coupling	3/4 x 1/2 "				
105-02-1060	Lyco Cap	1/2 "				
105-02-1000	Lyco Cap	3/4 "				
110-18-1000	Riser w valve	3/4 x 1/2 "				
110-18-1020	Riser w valve	3/4 "				
015-05-2200	DI Electric Union	3/4"				
120-00-1000	MobileHome Flex					
075-17-1040	Copper Tubing					
	EFV	3/4"				
	EFV	1/2 "				

PE-Pipe 2" 11'
Lyco Coupling 2x1 1/2" 2



Draw a detailed map on back of this sheet

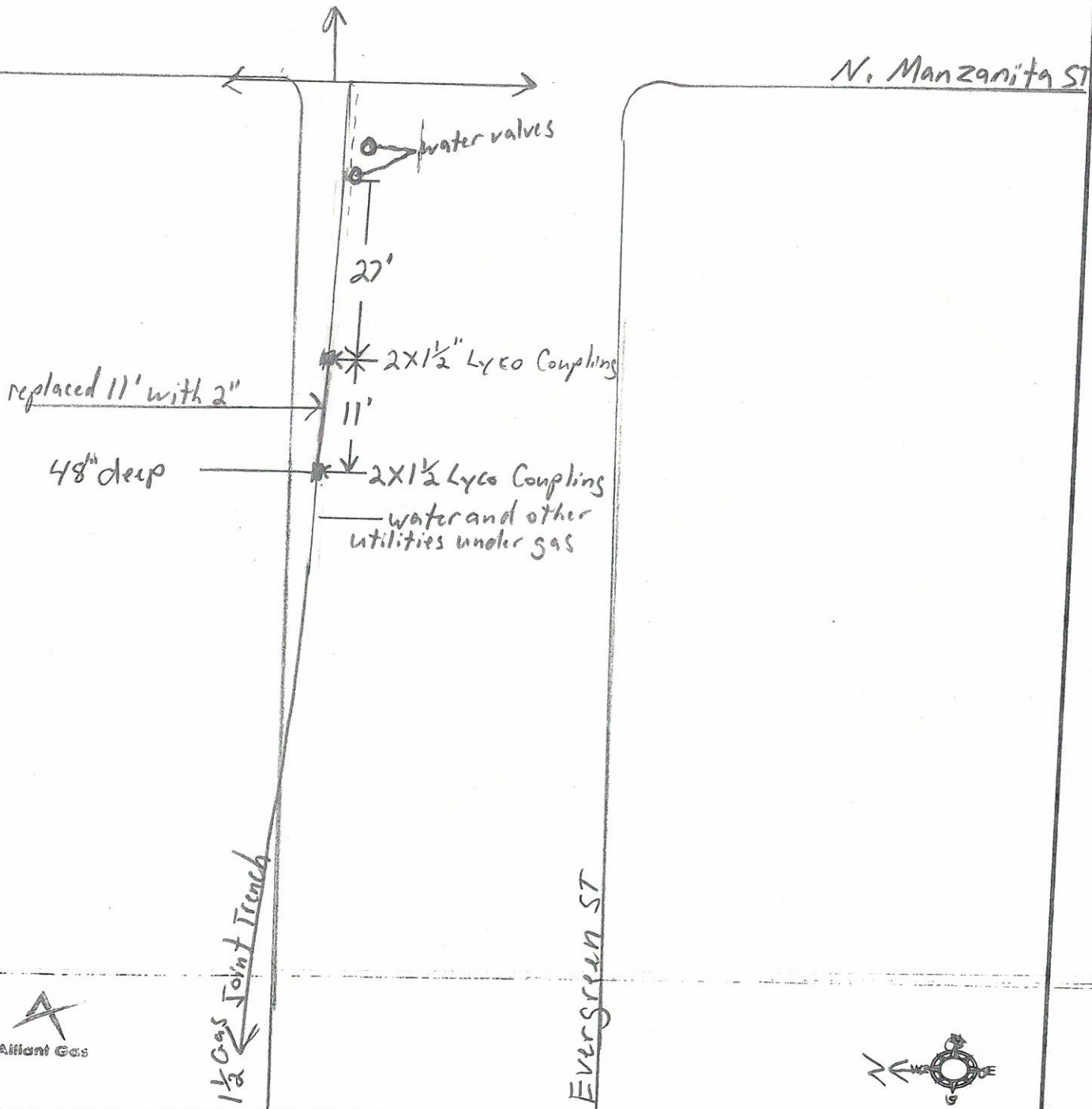
Inspected By: Chris-Bryon-Dan-David-Dave M: Manny

Date: 9-23-15

Supervisor: Dan Delator

Date: 10-14-15

Sketch of Gas Line (include all measurements from fixed reference points and must be as accurate as possible)





GAS LEAK INSPECTION & REPAIR REPORT

REPORT# _____

Pipe Inspection

Meter Inspection Report

Town: Payson Address: In front of 405 E Evergreen Date: 9-22-15

If leak, Date Detected: 9-22-15 By Whom: Chris

Date Leak Investigator was Dispatched: 9-22-15 Time: _____ AM (P)M LEAK CLASS (circle)

Date Leak Investigator Responded: 9-22-15 Time: _____ AM (P)M LEAK CLASS (circle) 1 2 3

Pipeline Type (Check one): Distribution Main Service Line Describe specific location: (See instructions) Leak was on 1 1/2" PE main in front of 405 Evergreen See Attached Map

Map Book #: _____

PIPE DATA
Diameter: 1 1/2"
IF STEEL: Bare Coated Coat Type: _____
Cathodically protected: _____ Yes No Propane Operating Pressure (PSI): 27

INSTRUMENT USED: FI Unit CGI Description of Leak / Investigation Performed: Checked area with FI I got some reads so I switched to CGI #6485 cal 9-22-15 zeroed out leak spread graded leak then pin pointed leak
Highest Reading: 95 % Gas % LEL PPM Negative
SIGNATURE OF LEAK INVESTIGATOR: Chris Bush
(first person on site of leak)

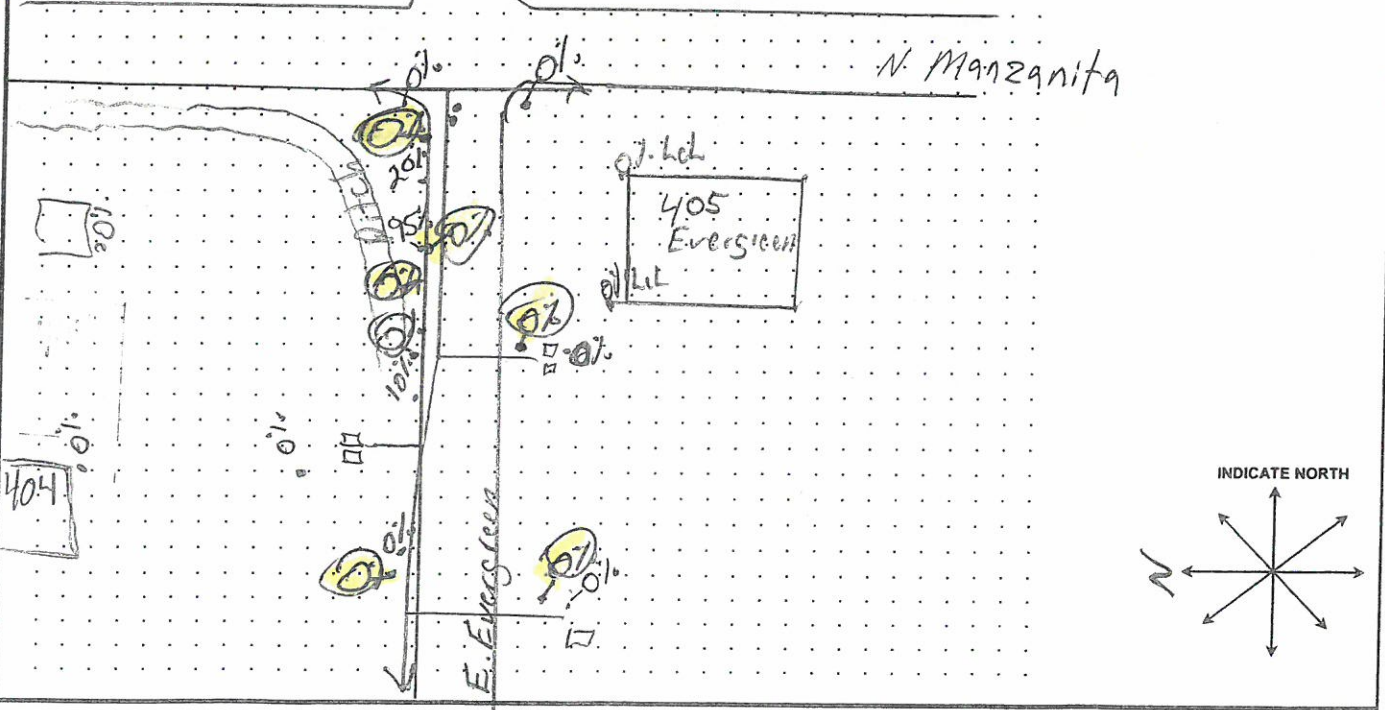
SOIL CONDITIONS: Gravel Sand Granite Clay Gumbo Other _____
SOIL MOISTURE: Dry Damp Wet
CAUSE OF LEAK: Corrosion Natural Force Excavation Outside Force Materials/Welds Equipment Operations Other: Tree Root - OAK
Internal Condition of Steel: Good Fair Poor Wet Dry
External Condition of Pipe: Good Fair Poor Wet Dry
Tracer Wire Condition: Good Fair Poor Wet Dry
Pipe-to-Soil Potential: _____ Anodes Installed (#): _____

Method of Repair: Cut out and replaced 11' of 1 1/2" PE with 2" PE
Date Repaired: 9-23-15 Service Order #: _____

Date of Follow-up inspection (if needed): _____
If DOT Reportable, Date and Time of telephone report: _____
To Whom was leak reported: _____

REMARKS: I zeroed out leak repair on 10-7-15 I used CGI #6485 cal 10-7-15
All holes checked were 0% checked by Chris 10-7-15
Chris Bush 9-23-15 Completion 12-7-15
SIGNATURE (OF ONE WHO REPAIRED) DATE SUPERVISOR'S SIGNATURE DATE

(REFER TO INSTRUCTIONS FOR COMPLETING)
DISTRIBUTION SYSTEM LOCATION SKETCH (include all measurements from fixed reference points)





Alliant Gas Arizona
INSTRUCTIONS FOR COMPLETING GAS LEAK AND REPAIR REPORT (PIPELINE INSPECTION REPORT)

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If report is initiated because of a leak, the reports should be numbered consecutively including the last two digits in the current year.
Example: 1-02, 2-02, 3-02, etc. Reports of Pipe Inspections with no leakage involved need not be numbered.

Most items on the form are self-explanatory, requiring only entering a size, dimension, or a check mark. If corrosion is present, describe it under Remarks - whether it is concentrated to one area or spread over a large area, or other information to assist in evaluating condition. Under Pipe Data, circle whether pipe is plastic or steel. Examples of coating type include X-tru coat, mill wrap, tape coat, etc.

The location of the gas leaks or damages should be determined by measurement to the nearest foot, in relation to fixed reference points.

For distribution leaks, report the map page number and measure the distance from property line or other permanent marker. Enter location of distribution leak locations on the sketch space. Every area that was bar-holed should be represented on the sketch.

The location of line inspections does not require measurement to the nearest foot and may be described in general terms. Example: 4-inch main on north side of Main Street.

DISPOSITION OF REPORT COPIES

First Copy: Retain in appropriate Division Office files.

Second Copy: Alliant Gas Compliance Office

CAUSE OF LEAK DEFINITIONS

"Corrosion" - escape of gas resulting from a hole in the pipeline or component caused by galvanic, bacterial, chemical, stray current, or other corrosion action.

"Natural Forces" - earth movements, earthquakes, landslides, subsidence, lightning, heavy rains/floods, washouts, flotation, mudslide, scouring, temperature, frost heave, frozen components, high winds, or similar natural causes.

"Excavation" - damage caused by earth moving and other equipment, tools, or vehicles. Includes leaks from damage by operator's personnel or contractor or people not associated with the operator.

"Outside Force Damage" - damage caused by fire or explosion and deliberate or willful acts, such as vandalism.

"Material and Welds" - Faulty wrinkle bends, faulty field welds, and damage sustained in transportation to the construction or fabrication site. Includes leaks after a dent, gouge, excessive stress, etc., occurs on originally sound material. Also includes leaks resulting from a defect in the pipe material, component, or the longitudinal weld or seam due to faulty manufacturing procedures. Report leaks from material deterioration, other than corrosion, after exceeding the reasonable service life, under "Other."

"Equipment" - malfunction of control/relief equipment including valves, regulators, or other instrumentation; stripped threads or broken pipe couplings on nipples, valves, or mechanical couplings; or seal failures on gaskets, O-rings, seal/pump packing, or a similar leak.

"Operations" - leak resulting from inadequate procedures or safety practices, or failure to follow correct procedures, or other operator error.

"Other" - any other cause, such as exceeding the service life, not attributable to the above causes.



GAS LEAK INSPECTION & REPAIR REPORT

REPORT# _____

Pipe Inspection

Meter Inspection Report

Town: Payson Address: 312 E Zurich - In front Date: 10-1-15
 If leak, Date Detected: 10-1-15 By Whom: Chris
 Date Leak Investigator was Dispatched: 10-1-15 Time: 10:00 AM/PM
 Date Leak Investigator Responded: 10-1-15 Time: 10 AM/PM LEAK CLASS (circle) 1 2 3
 Pipeline Type (Check one): Distribution Main Service Line Describe specific location: (See instructions) Leak was on 1 1/2" PE main in front of 312 E Zurich Dr. See attached map
 Map Book #: _____

PIPE DATA
 Plastic / Steel IF STEEL: Bare Coated _____ Coat Type: _____ Propane Operating Pressure (PSI) 57
 Cathodically protected: _____ Yes No
 Diameter 1 1/2" ALDYL Pipe

INSTRUMENT USED: FI Unit (CGI) Description of Leak / Investigation Performed: I was randomly checking some areas with FI when I got some reads so I switch to CGI zeroed out leak spread graded leak then pin pointed
 Highest Reading: 99 % Gas
 % LEL _____
 PPM _____
 Negative _____
 SIGNATURE OF LEAK INVESTIGATOR: Chris Beeler
 (first person on site of leak)

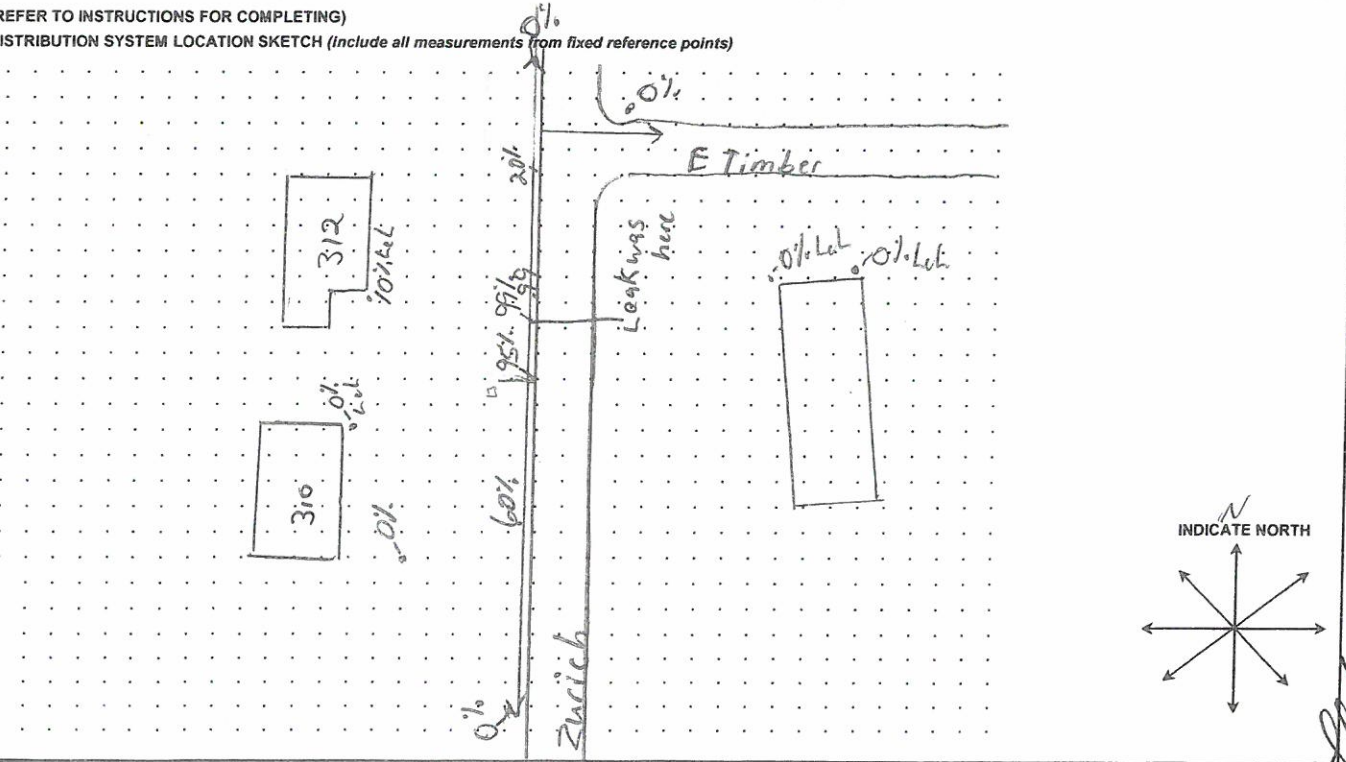
SOIL CONDITIONS	SOIL MOISTURE	CAUSE OF LEAK
Gravel <input type="checkbox"/>	Dry <input checked="" type="checkbox"/>	Corrosion <input type="checkbox"/>
Sand <input type="checkbox"/>	Damp <input checked="" type="checkbox"/>	Natural Force <input checked="" type="checkbox"/>
Granite <input checked="" type="checkbox"/>	Wet <input type="checkbox"/>	Excavation <input type="checkbox"/>
Clay <input type="checkbox"/>		Outside Force <input type="checkbox"/>
Gumbo <input type="checkbox"/>		Materials/Welds <input type="checkbox"/>
Other _____		Equipment <input type="checkbox"/>
		Operations <input type="checkbox"/>
		Other <input type="checkbox"/>
		<u>Tree Root</u>

Internal Condition of Steel: Good Fair Poor Wet Dry
 External Condition of Pipe: Good Fair Poor Wet Dry
 Tracer Wire Condition: Good Fair Poor Wet Dry
 Pipe-to-Soil Potential: _____ Anodes Installed (#): _____

Method of Repair: Cut out and replaced 30' of 1 1/2" PE with 30' of 2" PE.
 Date Repaired: 10-1-15 Service Order #: _____
 Date of Follow-up Inspection (if needed): _____
 If DOT Reportable, Date and Time of telephone report: _____
 To Whom was leak reported: _____

REMARKS: _____

 SIGNATURE (OF ONE WHO REPAIRED): Chris Beeler DATE: 10-1-15
 SUPERVISOR'S SIGNATURE: Dan Dalton DATE: 10-21-15



Handwritten signature and date: 10/20/15



Alliant Gas Arizona
INSTRUCTIONS FOR COMPLETING GAS LEAK AND REPAIR REPORT (PIPELINE INSPECTION REPORT)

Indicate the reason(s) for the report by checking the applicable box at the top.

If report is initiated because of a leak, the reports should be numbered consecutively including the last two digits in the current year.

Example: 1-02, 2-02, 3-02, etc. Reports of Pipe Inspections with no leakage involved need not be numbered.

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The location of the gas leaks or damages should be determined by measurement to the nearest foot, in relation to fixed reference points.

For distribution leaks, report the map page number and measure the distance from property line or other permanent marker. Enter location of distribution leak locations on the sketch space. Every area that was bar-holed should be represented on the sketch.

The location of line inspections does not require measurement to the nearest foot and may be described in general terms. Example: 4-inch main on north side of Main Street.

DISPOSITION OF REPORT COPIES

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CAUSE OF LEAK DEFINITIONS

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"Outside Force Damage" - damage caused by fire or explosion and deliberate or willful acts, such as vandalism.

"Material and Welds" - Faulty wrinkle bends, faulty field welds, and damage sustained in transportation to the construction or fabrication site. Includes leaks after a dent, gouge, excessive stress, etc., occurs on originally sound material. Also includes leaks resulting from a defect in the pipe material, component, or the longitudinal weld or seam due to faulty manufacturing procedures. Report leaks from material deterioration, other than corrosion, after exceeding the reasonable service life, under "Other."

"Equipment" - malfunction of control/relief equipment including valves, regulators, or other instrumentation; stripped threads or broken pipe couplings on nipples, valves, or mechanical couplings; or seal failures on gaskets, O-rings, seal/pump packing, or a similar leak.

"Operations" - leak resulting from inadequate procedures or safety practices, or failure to follow correct procedures, or other operator error.

"Other" - any other cause, such as exceeding the service life, not attributable to the above causes.

Alliant Gas GAS LINE FORM

(In front on main)

Owner: Payson

Address: 312 E Zurich

- | | |
|--|--|
| <input type="checkbox"/> New | <input type="checkbox"/> EFV Added |
| <input type="checkbox"/> Replaced | <input type="checkbox"/> EFV Added |
| <input type="checkbox"/> Abandoned | comment if an EFV is not installed on a new or replaced service as to why. |
| <input checked="" type="checkbox"/> Repaired | |

This form must be filled out completely when any service, main, or replacement line is done on Alliant's system.

Size of Service _____ Length of Service _____ Depth of Service _____ Sleeve size _____ Sleeve length _____

Size of Main 2" Length of Main 30' new Depth of Main 54" Size & Type of fitting 2x1 1/2" Lyco couplings Fitting Lot# _____

If Mains or Services cannot meet minimum requirements (Mains - 24" Services - 12") you must explain why

LINE TESTING
 Pre-tested
 Test Date 8-24-15 Test Duration 24 hrs Test Medium Air Inert Gas PSI @ 98 Pipe Lot # 100114 Coil # 246

Test Gauge # 5070 Calib. Date 8-6-15 Tested By: Chris Low N.P.L.

PURGING
 Purged Medium Air Propane Purged By: Chris CGI # used 4692 Calib. Date 8-12-15

FITTER
 Alliant Gas NPL Lyco Fitting Elect-fusion Heat-Fusion Fitted By: Chris - Bryan

Inspected trench prior to installing pipe & following the installation of shaded material with no more than 3" minus 6" above shading.

3/8" minus sandy type soil with 6" bedding & shading and at least 2" on sides was used. Repaired by Chris - Bryan - Dave M. Installed By:

Comments: We dug up and found leak on 1 1/2" PE main tree root caused leak. we cut out and replaced 30' of 1 1/2" PE with 30' of 2" PE. we purged line. we tested fittings and clamp locations shaded and backfilled.

Inventory	Description	Size	Charging	
			Customer	Not Charging Customer
055-18-4390	PS 3	each		
055-18-4300	PE Pipe	1/2 "		
055-18-4290	PE Pipe	3/4 "		
055-18-4460	PE Pipe	1 1/4 "		
105-01-2000	Lyco Coupling	1/2 "		
105-01-1020	Lyco Coupling	3/4 "		
105-01-1000	Lyco Reducer Coupling	3/4 x 1/2 "		
105-02-1060	Lyco Cap	1/2 "		
105-02-1000	Lyco Cap	3/4 "		
110-18-1000	Riser w valve	3/4 x 1/2 "		
110-18-1020	Riser w valve	3/4 "		
015-05-2200	DI Electric Union	3/4"		
120-00-1000	MobileHome Flex			
075-17-1040	Copper Tubing			
	EFV	3/4"		
	EFV	1/2 "		

Lyco reducer Couplings 2x 1 1/2" 2
PE Pipe 2 30'



Draw a detailed map on back of this sheet

Inspected By: Chris - Bryan - Manny - Dave M.
 Supervisor: DB.

Date: 10-1-15
 Date: 10-21-15

Alliant Gas

Date

Map

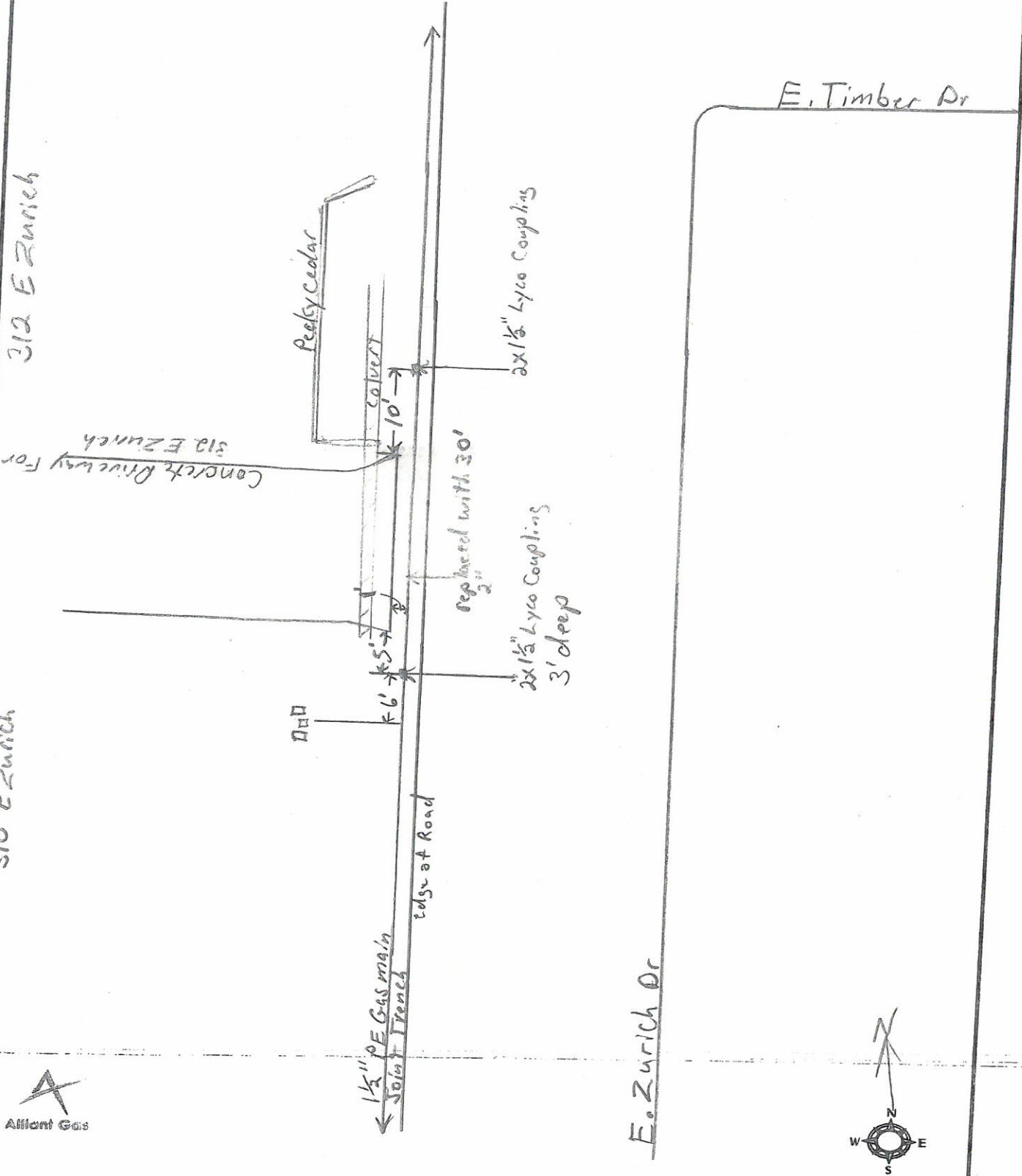
Sketch of Gas Line (include all measurements from fixed reference points and must be as accurate as possible)

312 E Zurich

310 E Zurich

E. Timber Dr

E. Zurich Dr





Alliant Gas Arizona
INSTRUCTIONS FOR COMPLETING GAS LEAK AND REPAIR REPORT (PIPELINE INSPECTION REPORT)

Indicate the reason(s) for the report by checking the applicable box at the top.
If report is initiated because of a leak, the reports should be numbered consecutively including the last two digits in the current year.
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"Equipment" - malfunction of control/relief equipment including valves, regulators, or other instrumentation; stripped threads or broken pipe couplings on nipples, valves, or mechanical couplings; or seal failures on gaskets, O-rings, seal/pump packing, or a similar leak.

"Operations" - leak resulting from inadequate procedures or safety practices, or failure to follow correct procedures, or other operator error.

"Other" - any other cause, such as exceeding the service life, not attributable to the above causes.



Alliant Gas Arizona
INSTRUCTIONS FOR COMPLETING GAS LEAK AND REPAIR REPORT (PIPELINE INSPECTION REPORT)

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"Equipment" -malfunction of control/relief equipment including valves, regulators, or other instrumentation; stripped threads or broken pipe couplings on nipples, valves, or mechanical couplings; or seal failures on gaskets, O-rings, seal/pump packing, or a similar leak.

"Operations" -leak resulting from inadequate procedures or safety practices, or failure to follow correct procedures, or other operator error.

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GAS LEAK INSPECTION & REPAIR REPORT

REPORT# _____

Pipe Inspection

Meter Inspection Report

Town: Payson

Address: In front of 208 E Zurich off EASY ST.

Date: 10-7-15

If leak, Date Detected: 10-7-15

By Whom: Chris

Date Leak Investigator was Dispatched: _____

Time: _____ AM / PM

LEAK CLASS (circle) _____

Date Leak Investigator Responded: 10-7-15

Time: _____ AM / PM

1 2 3

Pipeline Type (Check one):
Distribution Main Service Line

Describe specific location: (See instructions) leak was on 1 1/2" PE main in front of 208 E Zurich off N Easy St. See Attached map.

Map Book #: _____

PIPE DATA

Plastic / Steel
Diameter 1 1/2"

IF STEEL: Bare Coated

Cathodically protected:

Coat Type: _____

Yes No

Propane

Operating Pressure (PSI) 57

INSTRUMENT USED:

FI Unit CGI

Highest Reading: 99 % Gas

% LEL _____

PPM _____

Negative

Description of Leak / Investigation Performed: I was rechecking leak repair at 312 E Zurich and noticed dead branch on N. Easy St. So I checked gas reads. Found out leak spread graded leak and repainted leak.

SIGNATURE OF LEAK INVESTIGATOR Chris Beeler
(first person on site of leak)

SOIL CONDITIONS

- Gravel
- Sand
- Granite
- Clay
- Gumbo
- Other _____

SOIL MOISTURE

- Dry
- Damp
- Wet

CAUSE OF LEAK

- Corrosion
- Natural Force
- Excavation
- Outside Force
- Materials/Welds
- Equipment
- Operations
- Other _____

Internal Condition of Steel: Good Fair Poor Wet Dry

External Condition of Pipe: Good Fair Poor Wet Dry

Tracer Wire Condition: Good Fair Poor Wet Dry

Pipe-to-Soil Potential: _____ Anodes Installed (#): _____

welded between water main and solid granite edge of trench

Method of Repair: Cut out and replaced 22' of 1 1/2" PE with 2" PE.

Date Repaired: 10-8-15 Service Order #: _____

Date of Follow-up Inspection (if needed): _____

If DOT Reportable, Date and Time of telephone report: _____

To Whom was leak reported: _____

REMARKS:

SIGNATURE (OF ONE WHO REPAIRED) Chris Beeler

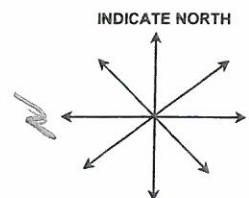
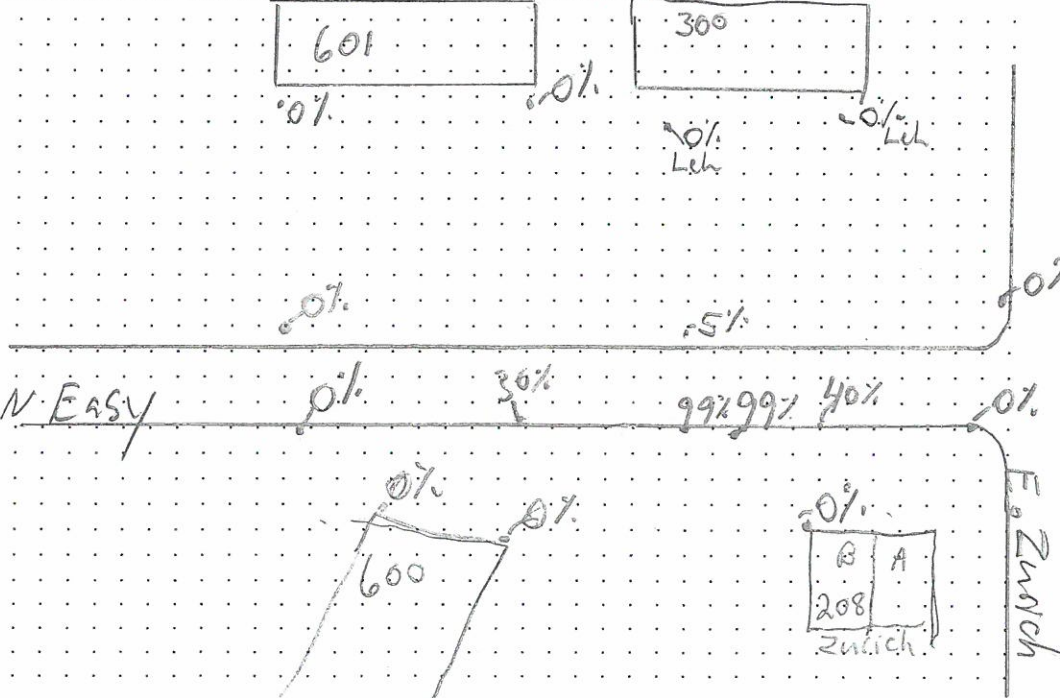
DATE 10-8-15

SUPERVISOR'S SIGNATURE DB

DATE 10-21-15

(REFER TO INSTRUCTIONS FOR COMPLETING)

DISTRIBUTION SYSTEM LOCATION SKETCH (include all measurements from fixed reference points)





Alliant Gas Arizona
INSTRUCTIONS FOR COMPLETING GAS LEAK AND REPAIR REPORT (PIPELINE INSPECTION REPORT)

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"Other" - any other cause, such as exceeding the service life, not attributable to the above causes.

Alliant Gas GAS LINE FORM

In front of 208 E Zurich

Town: Payson

Address: off N. Easy ST

- New
 - Replaced
 - Abandoned
 - Repaired
 - EFV Added
 - EFV Added
- comment if an EFV is not installed on a new or replaced service as to why.

This form must be filled out completely when any service, main, or replacement line is done on Alliant's system.

Size of Service Length of Service Depth of Service Sleeve size Sleeve length

Size of Main 2" Length of Main 32' ^{used 32' of 500' tested} ^{new} Depth of Main 54" Size & Type of fitting 2x1 1/2" Lyco coupling Fitting Lot #

If Mains or Services cannot meet minimum requirements (Mains - 24" Services - 12") you must explain why

LINE TESTING

Test Date 8-24-15 Test Duration 24hrs Test Medium Air Inert Gas PSI @ 98 Pipe Lot # 100114 Coil #246

Test Gauge # 5070 Calib. Date 8-6-15 Tested By: Chris Low N.P.L.

PURGING

Purged Medium Air Propane Purged By: Chris CGI # used 4692 Calib. Date 8-12-15

FITTER

Alliant Gas NPL Lyco Fitting Elect-fusion Heat-Fusion Fitted By: Chris - Bryan

Inspected trench prior to installing pipe & following the installation of shaded material with no more than 3" minus 6" above shading.

3/8" minus sandy type soil with 6" bedding & shading and at least 2" on sides was used. *repaired by* installed By: Chris - Bryan - Manny - Dave

Comments: We dug up and found leak on 1 1/2" PE main we cut out and replaced 32' with 2" protected PE main. We purged soap tested fittings and clamp locations shaded and backfilled. Gas main was in between water main and solid granite edge of trench caused leak.

Inventory	Description	Size	Charging	
			Customer	Not Charging Customer
055-18-4390	PS 3	each		
055-18-4300	PE Pipe	1/2 "		
055-18-4290	PE Pipe	3/4 "		
055-18-4460	PE Pipe	1 1/4 "		
105-01-2000	Lyco Coupling	1/2 "		
105-01-1020	Lyco Coupling	3/4 "		
105-01-1000	Lyco Reducer Coupling	3/4 x 1/2 "		
105-02-1060	Lyco Cap	1/2 "		
105-02-1000	Lyco Cap	3/4 "		
110-18-1000	Riser w valve	3/4 x 1/2 "		
110-18-1020	Riser w valve	3/4 "		
015-05-2200	DI Electric Union	3/4"		
120-00-1000	MobileHome Flex			
075-17-1040	Copper Tubing			
	EFV	3/4"		
	EFV	1/2 "		

Lyco Reducer Couplings 2x1 1/2" 2
PE Pipe 2" 32'



Draw a detailed map on back of this sheet

Inspected By: Chris - Bryan - Manny - Dave M.
Supervisor: DB

Date: 10-8-15
Date: 10-21-15

Alliant Gas

Date

Map

Sketch of Gas Line (include all measurements from fixed reference points and must be as accurate as possible)

E. Zurich

2084 Zurich

1/2" PE Gas
Joint Trench

2'

32' 3/4" Lyco couplings
now

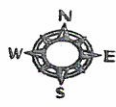
16'

32' 1/2" Lyco couplings

54" deep
Phone

2088 Zurich

N. Easy St





GAS LEAK INSPECTION & REPAIR REPORT

REPORT# _____

Pipe Inspection

Meter Inspection Report

Town: Payson Address: 302 S Colcord Rd Date: 11-18-15

If leak, Date Detected: 11-18-15

By Whom: Chris

Date Leak Investigator was Dispatched: 11-18-15

Time: _____ AM / PM LEAK CLASS (circle) _____

Date Leak Investigator Responded: 11-18-15

Time: _____ AM / PM

Pipeline Type (Check one):
Distribution Main
Service Line

Describe specific location: (See Instructions) Leak was on 3/4" service line approx 1' off 3" PE main. See attached map!

Map Book #: _____

PIPE DATA

Plastic / Steel IF STEEL: Bare Coated _____ Coat Type: _____ Propane Operating Pressure (PSI) 27
Cathodically protected: _____ Yes No
Diameter 3/4" ALDYL Pipe

INSTRUMENT USED: FI Unit CGI Description of Leak / Investigation Performed: I was doing a random check of area with FI and got some reads. Then I switched to CGI zeroed out leak spaced gradual leak and pinpointed.
Highest Reading: 90 % Gas
% LEL _____
PPM _____
Negative
SIGNATURE OF LEAK INVESTIGATOR: Chris Becker
(first person on site of leak)

SOIL CONDITIONS

Gravel
Sand
Granite
Clay
Gumbo
Other _____

SOIL MOISTURE

Dry
Damp
Wet

CAUSE OF LEAK

Corrosion
Natural Force
Excavation
Outside Force
Materials/Welds
Equipment
Operations
Other
tree root stressed pipe

Internal Condition of Steel: Good Fair Poor Wet Dry
External Condition of Pipe: Good Fair Poor Wet Dry
Tracer Wire Condition: Good Fair Poor Wet Dry
Pipe-to-Soil Potential: _____ Anodes Installed (#): _____

Method of Repair: Cut out small crack and installed 1-3/4" Lyco Coupling

Date Repaired: 11-19-15 Service Order #: _____

Date of Follow-up Inspection (if needed): _____

If DOT Reportable, Date and Time of telephone report: _____

To Whom was leak reported: _____

REMARKS: We zeroed out leak repair on 12-8-15 9/11 holes checked weep off hole. we used CGI # 6485 9/12-8-15 checked by Chris 12-8-15
Chris Becker 11-19-15 Dan Sexton 1-8-16

SIGNATURE (OF ONE WHO REPAIRED)

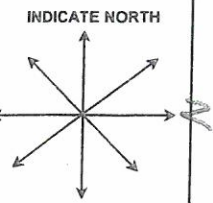
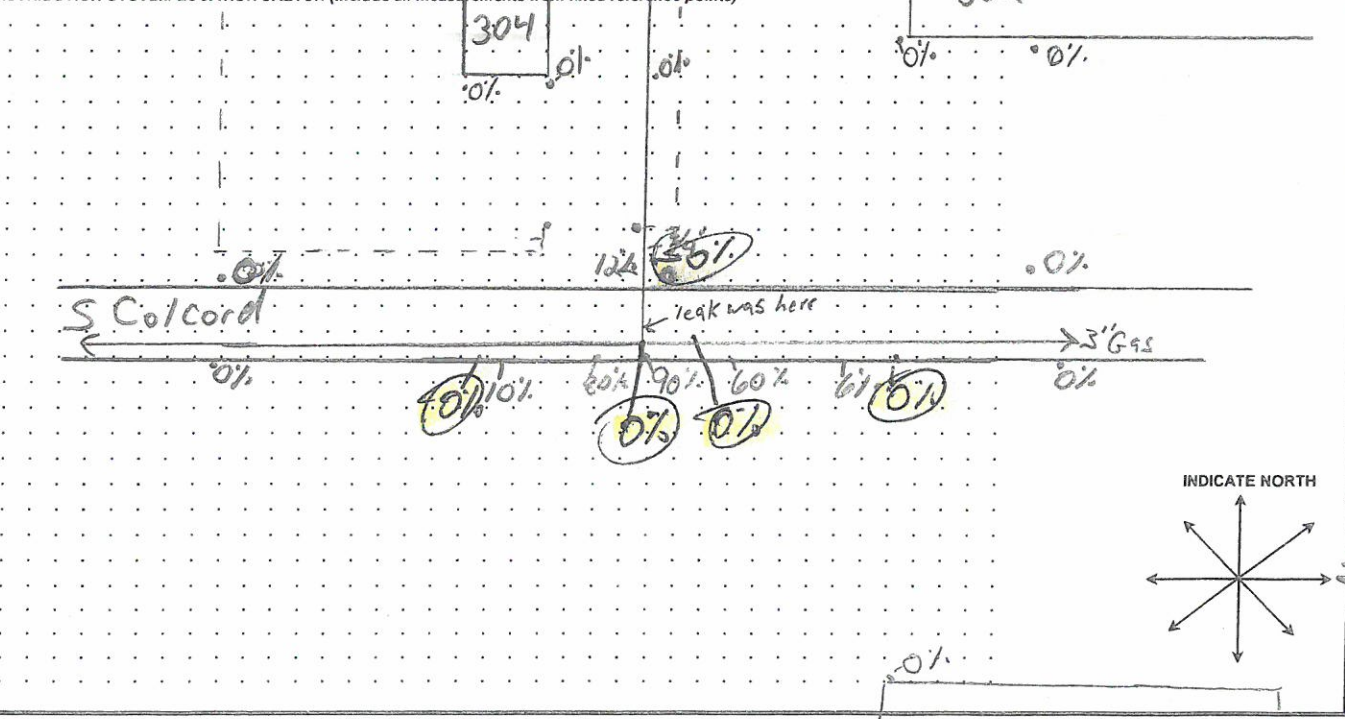
DATE

SUPERVISOR'S SIGNATURE

DATE

(REFER TO INSTRUCTIONS FOR COMPLETING)

DISTRIBUTION SYSTEM LOCATION SKETCH (include all measurements from fixed reference points)





Alliant Gas Arizona
INSTRUCTIONS FOR COMPLETING GAS LEAK AND REPAIR REPORT (PIPELINE INSPECTION REPORT)

Indicate the reason(s) for the report by checking the applicable box at the top.

If report is initiated because of a leak, the reports should be numbered consecutively including the last two digits in the current year.
Example: 1-02, 2-02, 3-02, etc. Reports of Pipe Inspections with no leakage involved need not be numbered.

Most items on the form are self-explanatory, requiring only entering a size, dimension, or a check mark. If corrosion is present, describe it under Remarks - whether it is concentrated to one area or spread over a large area, or other information to assist in evaluating condition. Under Pipe Data, circle whether pipe is plastic or steel. Examples of coating type include X-tru coat, mill wrap, tape coat, etc.

The location of the gas leaks or damages should be determined by measurement to the nearest foot, in relation to fixed reference points.

For distribution leaks, report the map page number and measure the distance from property line or other permanent marker. Enter location of distribution leak locations on the sketch space. Every area that was bar-holed should be represented on the sketch.

The location of line inspections does not require measurement to the nearest foot and may be described in general terms. Example: 4-inch main on north side of Main Street.

DISPOSITION OF REPORT COPIES

First Copy: Retain in appropriate Division Office files.

Second Copy: Alliant Gas Compliance Office

CAUSE OF LEAK DEFINITIONS

"Corrosion" - escape of gas resulting from a hole in the pipeline or component caused by galvanic, bacterial, chemical, stray current, or other corrosion action.

"Natural Forces" - earth movements, earthquakes, landslides, subsidence, lightning, heavy rains/floods, washouts, flotation, mudslide, scouring, temperature, frost heave, frozen components, high winds, or similar natural causes.

"Excavation" - damage caused by earth moving and other equipment, tools, or vehicles. Includes leaks from damage by operator's personnel or contractor or people not associated with the operator.

"Outside Force Damage" - damage caused by fire or explosion and deliberate or willful acts, such as vandalism.

"Material and Welds" - Faulty wrinkle bends, faulty field welds, and damage sustained in transportation to the construction or fabrication site. Includes leaks after a dent, gouge, excessive stress, etc., occurs on originally sound material. Also includes leaks resulting from a defect in the pipe material, component, or the longitudinal weld or seam due to faulty manufacturing procedures. Report leaks from material deterioration, other than corrosion, after exceeding the reasonable service life, under "Other."

"Equipment" - malfunction of control/relief equipment including valves, regulators, or other instrumentation; stripped threads or broken pipe couplings on nipples, valves, or mechanical couplings; or seal failures on gaskets, O-rings, seal/pump packing, or a similar leak.

"Operations" - leak resulting from inadequate procedures or safety practices, or failure to follow correct procedures, or other operator error.

"Other" - any other cause, such as exceeding the service life, not attributable to the above causes.

Alliant Gas GAS LINE FORM

- | | |
|--|--|
| <input type="checkbox"/> New | <input type="checkbox"/> EFV Added |
| <input type="checkbox"/> Replaced | <input type="checkbox"/> EFV Added |
| <input type="checkbox"/> Abandoned | comment if an EFV is not installed on a new or replaced service as to why. |
| <input checked="" type="checkbox"/> Repaired | |

Town: Payson Address: 302 S Colcord

This form must be filled out completely when any service, main, or replacement line is done on Alliant's system.

Size of Service 3/4" Length of Service existing Depth of Service Sleeve size Sleeve length

Size of Main Length of Main Depth of Main Size & Type of fitting Fitting Lot#

If Mains or Services cannot meet minimum requirements (Mains - 24" Services - 12") you must explain why

LINE TESTING
Test Date 11-19-15 Test Duration 20 min Test Medium Air Inert Gas PSI @ 92 Pipe Lot #

Test Gauge # 210-03 Calib. Date 8-6-15 Tested By: Chris

PURGING
Purged Medium Air Propane Purged By: Bryon CGI # used 5302 Calib. Date 10-12-15

FITTER
Alliant Gas NPL Lyco Fitting Elect-fusion Heat-Fusion Fitted By: Chris

Inspected trench prior to installing pipe & following the installation of shaded material with no more than 3" minus 6" above shading.

3/8" minus sandy type soil with 6" bedding & shading and at least 2" on sides was used. Repaired Installed By: Chris-Dan-Bryon-Dave

Comments: We dug up and found small crack in 3/4" Adly/ Service line we cut out pressure tested service to 302 S. Colcord installed 3/4" Lyco coupling soap tested purged line reset meter and relit. Shaded and backfilled.

Inventory	Description	Size	Charging	
			Customer	Not Charging Customer
055-18-4390	PS 3	each		
055-18-4300	PE Pipe	1/2 "		
055-18-4290	PE Pipe	3/4 "		
055-18-4460	PE Pipe	1 1/4 "		
105-01-2000	Lyco Coupling	1/2 "		
105-01-1020	Lyco Coupling	3/4 "		
105-01-1000	Lyco Reducer Coupling	3/4 x 1/2 "		
105-02-1060	Lyco Cap	1/2 "		
105-02-1000	Lyco Cap	3/4 "		
110-18-1000	Riser w valve	3/4 x 1/2 "		
110-18-1020	Riser w valve	3/4 "		
015-05-2200	DI Electric Union	3/4 "		
120-00-1000	MobileHome Flex			
075-17-1040	Copper Tubing			
	EFV	3/4 "		
	EFV	1/2 "		



Draw a detailed map on back of this sheet

Inspected By: Chris-Dan-Bryon-Dave
Supervisor: Dave Jett

Date: 11-19-15
Date: 1-2-15

Alliant Gas

Map

Date 11-19-15

Sketch of Gas Line (include all measurements from fixed reference points and must be as accurate as possible)

