

Aberdeen
Sec. 28

STATE OF SOUTH DAKOTA)
)ss
COUNTY OF Brown)

AFFIDAVIT

DELL-B. HALL, being first duly sworn, deposes and says the following:

1. That he is (was) Journey Man^{Gas Man}, for Northwestern Public Service Company at Aberdeen, South Dakota.
2. That he has worked for Northwestern Public Service Company from Jan 5, 1948 to May 1, 1983.
3. That the steel or plastic natural gas mains noted in section 28 within this distribution system were subjected to and operated at 25# PSIG during the five years preceding July 1, 1970.
4. That they were found to be in satisfactory condition, considering the operation and maintenance history.

Dated this 27 day of June, 1995

Dell B. Hall
(Signature)

Subscribed and sworn to before me this 27 day of June, 1995

Aug J. Wilcox
Notary Public
My Commission Expires: Sept. 29, 1996

Part 192.619(a)(4)

Furnace butt welded steel pipe:
60% of mill test pressure

NA

Part 192.619(a)(5)

All other steel pipe: 85% of mill or post installation pressure test,
whichever is higher

NA

B. Part 192.621: High Pressure Distribution System Only.

Part 192.621(a)(2)

60 psig unless all services have
overpressure protection

60#

Part 192.621(a)(3)

25 psig for any cast iron pipe
with unreinforced joints

NA

Part 192.621(a)(4)

Pressure limit on joints

NA

C. Part 192.619(a)(6) and Part 192.621(a)(5): Additional Consideration for
Transmission or High Pressure Distribution Lines.

Highest operation pressure considered safe
based on operating history

25#

D. Part 192.623: Low Pressure Distribution System.

Highest delivery pressure which can be safely applied to customer piping and properly
adjusted gas appliances.

NA

E. Part 192.619(c): Alternate consideration for transmission lines. Highest
operating pressure between 7/1/65 and 7/1/70 (7/1/71 and 7/1/76 for offshore
gathering lines.)

F. Determination of MAOP.

Either item E., where applicable or the lowest pressure on any of the above lines
is the MAOP.

MAOP 25#

By

Bill Hall

Date

6-27-95



Northwestern Public Service Company

Determination of Maximum Allowable Operation Pressure In Natural Gas Pipelines

Identity of Pipeline/Distribution Area Section 28, From 2nd to 5th St. on 10th Ave.

A. Maximum Allowable Operating Pressure: Steel or Plastic Pipelines (Part 192.619): and High-Pressure Distribution Systems (Part 192.621).

Part 192.619(a)(1) Design Pressure: Lowest design pressure for any of the following system elements

Part 192.621(a)(1)

Pipe (including service lines)	_____	<u>760#</u>
Valves	_____	
Flanges	_____	
Fittings	_____	
Mechanical Couplings	_____	
Leak Clamps	_____	
Instruments	_____	
Odorizers	_____	
Overpressure Protection Devices	_____	
Upstream Regulator(s)-Outlet	_____	
Pressure Rating	_____	
Downstream Regulator-Inlet	_____	
Pressure Rating	_____	
Other (list)	_____	_____

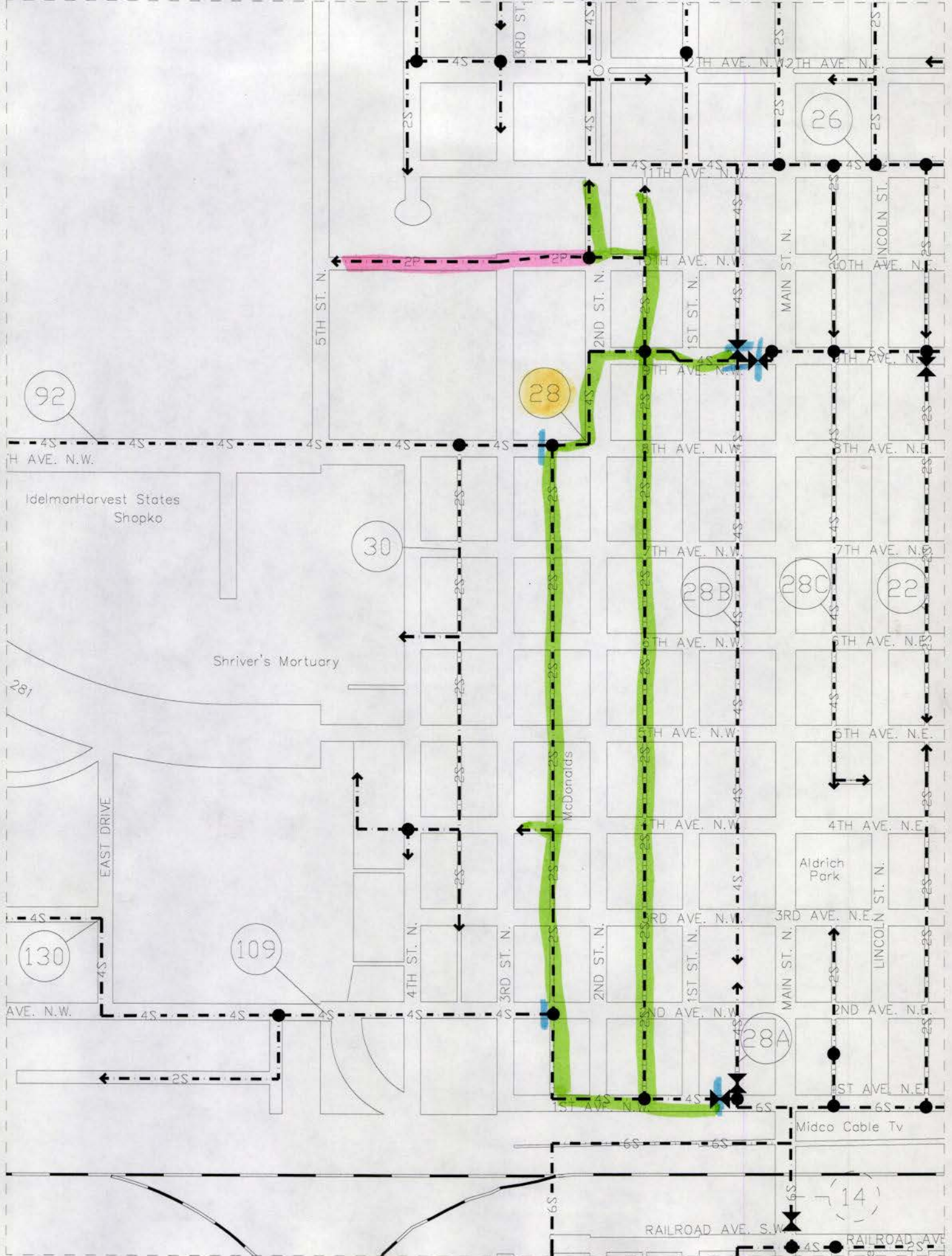
Part 192.619(a)(2)

Pressure Test		
Plastic Pipe: Test Pressure divided by 1.5		<u>60#</u>
Steel Pipe Operated at or over 100 psi:		
Test Pressure divided by Class Location Factor		<u>NA</u>

Part 192.619(a)(3)

Historic Operations
 Highest operating pressure between 7/1/65 and 7/1/70 unless the pressure test in (a)(2) was after 7/1/65 or an uprating in accordance with Subpart K has conducted. NA

Aberdeen Sec. 28



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AFFIDAVIT

Dell B. Hall, being first duly sworn, deposes and says the following:

1. That he is (was) Gas Man, JM for Northwestern Public Service Company at Aberdeen, South Dakota.
2. That he has worked for Northwestern Public Service Company from Jan 5, 1948 to May 1, 1983.
3. That the steel or plastic natural gas mains noted in section 28 within this distribution system were pressure tested at or more than 90 PSIG during its installation.
4. That they were found to be in satisfactory condition, considering the operation and maintenance history.

Dated this 14 day of July, 1995

Dell B. Hall
(Signature)

Subscribed and sworn to before me this 17 day of July, 1995

Margaret Wilson
Notary Public

My Commission Expires: Sept. 29, 1996

Part 192.619(a)(4)
Furnace butt welded steel pipe:
60% of mill test pressure NA

Part 192.619(a)(5)
All other steel pipe: 85% of mill or post installation pressure test,
whichever is higher NA

B. Part 192.621: High Pressure Distribution System Only.

Part 192.621(a)(2)
60 psig unless all services have
overpressure protection 60#

Part 192.621(a)(3)
25 psig for any cast iron pipe
with unreinforced joints NA

Part 192.621(a)(4)
Pressure limit on joints NA

C. Part 192.619(a)(6) and Part 192.621(a)(5): Additional Consideration for
Distribution Lines.

Based upon leak history, past operating history, and a sworn
statement that this segment was tested, it is determined that this
segment of main will operate safely at 25#

D. Part 192.623: Low Pressure Distribution System.

Highest delivery pressure which can be safely applied to customer piping and properly
adjusted gas appliances. NA

E. Part 192.619(c): Alternate consideration for transmission lines. Highest
operating pressure between 7/1/65 and 7/1/70 (7/1/71 and 7/1/76 for offshore
gathering lines.)

F. Determination of MAOP.

Either item E., where applicable or the lowest pressure on any of the above lines
is the MAOP.

MAOP 25#

By Greg Nelson

Date 7-6-85

Section # 28

NORTHWESTERN PUBLIC SERVICE
PRESSURE TEST REPORT

AREA Aberdeen TOWN Aberdeen DATE COMPLETED ~~10-09~~ 8-09-05

WORK ORDER NO. 23090272 PWO _____ PROJECT LOCATION 2nd St N. Between 10th Ave NW
and 8th Ave NW (Primrose Hill)

LENGTH OF MAIN: 497 FT. 2" DIA. PE2406 WALL THICKNESS SDR11 WT/FT (LBS)
 _____ FT. _____ DIA. _____ WALL THICKNESS _____ WT/FT (LBS)

NUMBER OF) PLASTIC: 1/2" CTS _____ 2" OTHER (SPECIFY) _____
 SERVICE(S) STEEL: 3/4" _____ 1 1/4" _____ 2" OTHER (SPECIFY) _____

TEST MEDIUM: AIR GAS WATER OTHER (SPECIFY) _____

TEST EQUIPMENT: GAUGE RECORDER TEST WITNESSED BY (EMPLOYEE) Mark Hallen

TEST ON: DATE 10-09-05 TIME 11:30 AM/PM PRESSURE 100 PSIG 88°F APPROX. AIR TEMPERATURE

TEST OFF: DATE 10-09-05 TIME 1:15 AM/PM PRESSURE 100 PSIG 88°F APPROX. AIR TEMPERATURE

INSTALLED BY: COMPANY OTHER (SPECIFY) _____

CONSTRUCTION: NORMAL OTHER (DESCRIBE FULLY) _____

MINIMUM TEST CONDITIONS: OPERATING PRESSURE 60 PSIG OR LESS, UNDER 500 FEET: 100 PSIG, 15 MIN., GAUGE; OPERATING PRESSURE 60 PSIG OR LESS,
 OVER 500 FEET: 90-100 PSIG, 2 HOURS, RECORDER; OPERATING PRESSURE OVER 60 PSIG: 1.5 TIMES OPERATING PRESSURE, 8 HOURS, RECORDER.

ALWAYS ATTACH RECORDER CHART TO FORM 162 AND BOTH TO FORM 160.

NORTHWESTERN PUBLIC SERVICE
PRESSURE TEST REPORT

AREA Aberdeen TOWN Aberdeen DATE COMPLETED 3-26-03
 WORK ORDER NO. _____ PWO _____ PROJECT LOCATION 1st Ave NW

LENGTH OF MAIN: 282' FT. 4" steel DIA. .188 WALL THICKNESS _____ WT/FT (LBS)
 _____ FT. _____ DIA. _____ WALL THICKNESS _____ WT/FT (LBS)

NUMBER OF) PLASTIC: 1/2" CTS _____ 2" _____ OTHER (SPECIFY) _____
 SERVICES) STEEL: 3/4" _____ 1 1/4" _____ 2" _____ OTHER (SPECIFY) _____

TEST MEDIUM: AIR GAS WATER OTHER (SPECIFY) _____

TEST EQUIPMENT: GAUGE RECORDER TEST WITNESSED BY (EMPLOYEE) _____

TEST ON: DATE 3-25-03 TIME 3:00 AM/PM PRESSURE 158 PSIG 43° APPROX. AIR TEMPERATURE

TEST OFF: DATE 3-26-03 TIME 10:00 AM/PM PRESSURE 158 PSIG 37° APPROX. AIR TEMPERATURE

INSTALLED BY: COMPANY OTHER(SPECIFY) Distribution Construction

CONSTRUCTION: NORMAL OTHER (DESCRIBE FULLY) Moved 4" line 12' south of old 4" main

COMMENTS: