

MidAmerican Energy
Main Test Data Sheet

Header Information

Work Request / Leak Order / Claims / Activity Nos. (If applicable): 2850127
(Circle designation (s) and print the appropriate numbers.)

Customer (Optional): UNKNOWN

Service Address: E 4TH ST AND BEACH Avenue

City: DELL RAPIDS

Hit main

State: SD

Job Description (Optional):

Plastic Pipe Information

Plastic Pipe Manufacturer	Size	SDR	Density/Lot Number	Footage
<input checked="" type="checkbox"/> DriscoPlex (Performance Pipe) <input type="checkbox"/> Other: _____	2"	11	<input checked="" type="checkbox"/> PE 2406/2708 <input type="checkbox"/> PE 3408/4710 <input checked="" type="checkbox"/> Lot Number: <i>PE3 NQ 30BT</i>	20'
<input type="checkbox"/> DriscoPlex (Performance Pipe) <input type="checkbox"/> Other: _____	2"	11	<input type="checkbox"/> PE 2406/2708 <input type="checkbox"/> PE 3408/4710 <input type="checkbox"/> Lot Number: <i>Existing</i>	255'
<input type="checkbox"/> DriscoPlex (Performance Pipe) <input type="checkbox"/> Other: <i>Service for 500 Beach</i>	1"	11.5	<input type="checkbox"/> PE 2406/2708 <input type="checkbox"/> PE 3408/4710 <input type="checkbox"/> Lot Number: <i>Existing</i>	271'

Steel Pipe Information (Enter "Unk" in fields where requested pipe data is either unknown or unavailable)

Size	w.t.	Grade	Mfgr.	Coating Type	Description - Stencil Line (Optional)	Footage

Largest nominal pipe diameter included in pressure test: 2" in.

Length of other fittings not included above that were included in pressure test: Example: transition fitting

Riser 3'

Total length of pipe/fittings being pressure tested:

549'

MAOP of SYSTEM 50 PSIG

MINIMUM CALCULATED TESTING PRESSURE= 90 PSIG

Test Medium	<input checked="" type="checkbox"/> Air <input type="checkbox"/> Nitrogen <input type="checkbox"/> Other: _____	Pressure Monitoring Device Used:	Holiday Detection
Test On	Time: <u>1:30</u>	<input checked="" type="checkbox"/> Gauge <input type="checkbox"/> Chart Recorder	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Test Off	Time: <u>3:00</u>	Observed Pressure: <u>120</u> PSIG	Date: <u>9-25-20</u>
		Observed Pressure: <u>120</u> PSIG	Date: <u>9-25-20</u>

Installed By	Name: <i>Jerry Pully</i>	Employee T-No./Contractor Co.:	Date:
Work Inspected By	<i>Jerry Pully</i>	<u>34074</u>	<u>9-25-20</u>
Tested By	<i>Jerry Pully</i>	<u>24507</u>	<u>9-25-20</u>
		<u>34074</u>	<u>9-25-20</u>

If applicable, final tie-in(s), end cap(s) and tee(s) used for the sole purpose of gauging and/or purging of plastic pipe were soap tested at operating pressure.

See Welder's Production Fabrication Form (Form 64-77) for documentation of soap testing of steel fittings and final tie-ins.

Leaks / Failures Yes No

Disposition of Leaks / Failures (Required if Leaks/Failures above is marked "Yes"):

Comments: *USED 20' of pretest from shop. Air tested again with existing main and service*

Reviewed By:
 Pressure test OK.
 Documentation OK.
Don Freitag
(Name)
31396 10-02-20
T-Number Date

WR # 2850127

**JOB AID
PRESSURE TEST DURATION CHART
DISTRIBUTION MAINS AND SERVICES
CHART INDICATES THE MINIMUM DURATION REQUIREMENTS**

NOTE: The requirements to use this form are determined by the MEC Supervisor

NOMINAL PIPE SIZE	PIPE MATERIAL	LENGTH 0 to 500'	LENGTH 501' to 1000'	LENGTH 1001' to 2000'	LENGTH 2001' to 3000'	LENGTH 3001' to 4000'	LENGTH 4001' to 5000'	LENGTH 5001' to 6000'	LENGTH 6001' to 7000'	LENGTH 7001' to 8000'	LENGTH 8001' to 9000'	LENGTH 9001' to 10000'
Less than 2" and the MAOP is below 100 PSIG	All	15 Minutes*	15 Minutes*	1 Hour	1 Hour	2 Hours	2 Hours	2 Hours	3 Hours	3 Hours	3 Hours	4 Hours
Less than 2" and the MAOP is at or above 100 PSIG	All	1 Hour	1 Hour	1 Hour	1 Hour	2 Hours	2 Hours	2 Hours	3 Hours	3 Hours	3 Hours	4 Hours
2" and less than 4" IPS	All	1 Hour	1 Hour	2 Hours	3 Hours	4 Hours	5 Hours	6 Hours	6 Hours	7 Hours	8 Hours	9 Hours
4" and less than 6" IPS	All	2 Hours	4 Hours	7 Hours	11 Hours	14 Hours	17 Hours	20 Hours	24 Hours	24 Hours	24 Hours	24 Hours
6" and less than 8" IPS	All	4 Hours	8 Hours	16 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours
8" and less than 10" IPS	All	7 Hours	14 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours
10" and less than 12" IPS	All	11 Hours	21 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours
12" and less than 16" IPS	All	16 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours
16" and greater	All	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours

PRORATION OF TIMES IS NOT ALLOWED.

* - Test duration for fabricated assemblies with nominal pipe size less than 2" and 0' to 1,000' in length shall be a minimum of one hour.

MAOP of SYSTEM = 50 PSIG. If MAOP is 60 PSIG or less, test at 90 PSIG minimum. If MAOP > than 60 PSIG, test at minimum 1.5 X MAOP. MINIMUM CALCULATED TESTING PRESSURE = 90 PSIG

- | | |
|---|--|
| <p>o Example #1: In a pipeline system containing varying lengths of 2", 4" and 6" diameter pipe and the entire system is to be tested together, add all the pipe footages together and test to the requirements of 6" diameter pipe MAOP = 86 psig.</p> <ul style="list-style-type: none"> ▪ 1,000' of 2" IPS; 1,200' of 4" IPS and 500' of 6" IPS ▪ Total length = 2,700' ▪ Largest Nominal Pipe Size = 6" IPS ▪ Test Duration = 24 hours ▪ Minimum test pressure is 129 psig. | <p>o Example #2: Testing 1,500' of 2" diameter main and (30) 1/2" CTS services, each approximately 100' in length. Add all the pipe footages together and test to the requirements of 2" diameter pipe MAOP is 50 psig.</p> <ul style="list-style-type: none"> ▪ 1,500' of 2" IPS; 30 services - 1/2" CTS (100' each) ▪ Total Length = 4,500' ▪ Largest Nominal Pipe Size = 2" IPS ▪ Test Duration = 5 hours ▪ Minimum test pressure is 90 psig. |
|---|--|

Total length of pipe being pressure tested: 540' 549' Largest nominal pipe diameter included in pressure test: 2"
 Based on the total length and largest pipe diameter, circle the correct box on the chart above for this test duration. Enter system MAOP and minimum calculated test pressure. After the test is completed, verify the duration and test pressure were correct. Attach to job packet.

Signature Jerry Phillips T-Number 34074 Date 9-25-20



MidAmerican Energy
Work Management Information System
Fitting Location Sheet

Header Information			
Work Request:	2850127	Crew Headquarters:	
Work Request Name:	HiT Main	Local District:	
Address:	Dell Rapids S.D E 4th St + Beach Ave	Work Request Type:	
		Primary Storeroom:	

Call out Number	Stock #	Item Desc	Manufacturer (Req)	Lot Number	Location 1					Location 2				
					Ft	Dir	of	Dir	Landmark	Ft	Dir	of	Dir	Landmark
1.	NA	Curves no fitting	NA	NA	64	N	of	Dir	of E 4th St	1	E	of	Dir	of Beach Ave
2.	NA	TIE IN B-F	NA	NA	69	N	of	Dir	of E 4th St	1	W	of	Dir	of Beach Ave
3.	NA	Lot # change B-F	NA	NA	107	N	of	Dir	of E 4th St	2'	W	of	Dir	of Beach Ave
4.	NA	Lot change B-F	NA	PE3NQSORT	127	N	of	Dir	of E 4th St	2'	W	of	Dir	of Beach Ave
5.	NA	Curves no fitting	NA	NA	154	N	of	Dir	of E 4th St	1'	E	of	Dir	of Beach Ave
		2-2" caps installed 9-24-2020 Removed					of					of		
		10' damaged pipe removed					of					of		

Call out number Reference number to show the location of this group of fittings on the field notes - each group of fittings should have its own call out number

Stock# Stores code number of fitting installed

Item Description Short description of fitting - such as 2" plastic cap

Manufacturer Manufacturer of Fitting

Lot Number Manufacturer's lot number listed on the fitting

Ft Footage measurement

1st Dir N,S,E,W direction of fitting from landmark- two measurements and directions are required for each fitting-

2nd Dir N,S and E, W direction indicator of the landmark if required - such as N curb line or S property line.

Landmark Fixed object from which the measurement was taken -curb line, center line, property line, house line, etc.

Main Abandonment

Ensure method(s) used to seal abandoned pipe end(s) are documented on this form.

Purging Mains - If job required purging, check this box if applicable.

When purging main(s) was required, CGI was used to verify gas/air mixture.



wmis # 2850127
H:T main
Dell Rapids S.D

500

Tie In
Lot # Change
B-F
127' MNCL
2' WWCL

Alley

Lot # Change
BF
107' MNCL
2' WWCL

Lot #
20' PE3NQJ0RX

818

E - 4th St -

DE

Service

Curves
154' MNCL
1' EWCL
2' Peep

Tie In B-F
69' MNCL
1' WWCL

Curves
64' MNCL
1' EWCL
Depth 18"
As Left

Beach Ave

FIELD NOTES

JEREMY PHILLIPS T34074
09-23-2020