



# Layne-Western Company, Inc.

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AUG 28 1981

WATER SUPPLY CONTRACTORS

705 SO. DUFF AVE.

AMES, IOWA 50010

Phone 515 232-3563

I. N. R. C.

Name of Job Iowa-Illinois Gas & Electric Date 5-27-81  
 City or Village Muscatine State Iowa  
 Well No.: 101 Drillers: Dennis Auld & John Kilcoyne  
 Well Location: \_\_\_\_\_ ft. (\_\_\_\_) and \_\_\_\_\_ ft. (\_\_\_\_) of the \_\_\_\_\_ corner of  
 Section \_\_\_\_\_, Twp. \_\_\_\_\_ (\_\_\_\_), Range \_\_\_\_\_ (\_\_\_\_) \_\_\_\_\_ County.  
 Otherwise located as The south well near fence on top of berm

Work Began: April 1981 Work Completed: May 27, 1981 Well Depth: 153 when pumped  
 All measurements made from existing ground level at time well was drilled. more to be added

## Casing Record:

Amount	Dia.	Wt. or Thickness	Material
<u>2'7"</u>	<u>26" x 18</u>		<u>steel pipe with 1 joints from 88' to 85'5"</u>
<u>88'5"</u>	<u>18"</u>		<u>steel pipe with 6 joints from 85'5" to 0</u>
<u>+ 8.5' added to reach top of berm</u>			

Screen Record: Type Layne

Amount	Dia.	Opening	Material
<u>65'</u>	<u>26"</u>	<u>#7</u>	<u>SS with 4 joints from 153' to 88'</u>
<u>with _____ joints from _____ to _____</u>			

Type of Seal at Bottom 3/8" in stainless steel

## Hole Record:

<u>66"</u>	inch from	<u>0</u>	to	<u>10</u>
<u>60"</u>	inch from	<u>10</u>	to	<u>155</u>

## Gravel Pack Record:

Amount	Size	Source	From	To
<u>102 ton</u>	<u>#2</u>	<u>Northern Sand &amp; Gravel</u>	<u>155</u>	<u>70'</u>

Cementing Record: 7600 lb. of neat cement pumping in at 63'Backfill Record: Sand and bentonite fill from 60' to 10'

Dataum 8.5' below top of berm

# WELL LOG

Feet	Feet	Description
0	to 25	Brown fine sand
25	to 33	Coarse gray sand
33	to 36	Clay - gray
36	to 40	Brown sand and gravel
40	to 65	Brown fine to medium sand
65	to 79	Brown fine to medium sand with gravel and cobbles
79	to 97	Fine brown sand
97	to 100	Boulders
100	to 107	Red sand and boulders
107	to 118	Fine brown sand
118	to 131	Fine to coarse gray sand
131	to 154	Fine to coarse gray sand and gravel - boulders
154	to 155	Boulders and LS
	to	
153	to 133	26" SS screen 20'
133	to 113	26" SS screen 20'
113	to 93	26" SS screen 20'
93	to 88	26" SS screen 5'
88	to 83'5"	(2'7" 26" black pipe) (2'0" 18" black pipe) Swedge 4'7"
83'5"	to 65'10"	18" black pipe 17'7"
65'10"	to 45'10"	18" black pipe 20'0"
45'10"	to 29'8"	18" black pipe 16'2"
29'8"	to 13'7"	18" black pipe 16'1"
13'7"	to 0'0"	18" black pipe 13'7"

Well Test Data: Static Level 22'; pumping level 40' after 24 hours pumping at 3008 g.p.m.

Length of test 24 hrs. See Well Test Data Sheet Dated May 26 - 27

REMARKS: Well was drilled with the berm knocked down about 8.5' to allow for more work area. Built back up later.