

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 March 29, 1981

City or Village Muscatine State Iowa

Well No.: 104 Drillers: Dennis Auld & John Kilcoyne

Well Location: Approx. 1160 ft. (S) and 3050 ft. (E) of the NW corner of

Section 9, Twp. 15, (N), Range 2 (W) Louisa County.

Otherwise located as _____

Work Began: March 3, 1981 Work Completed: _____ Well Depth: 173'9" from ground

All measurements made from existing ground level at time well was drilled.

Casing Record:

Amount	Dia.	Wt. or Thickness	Material
<u>2'</u>	<u>26</u>		<u>pipe with 1 joints from 116'8" to 118'8"</u>
<u>116'8"</u>	<u>18</u>		<u>pipe with 7 joints from 0 to 116'8"</u>

Screen Record: Type _____

Amount	Dia.	Opening	Material
<u>55'1"</u>	<u>26</u>		<u>SS with 3 joints from 173'9" to 118'8"</u>
			<u>with _____ joints from _____ to _____</u>

Type of Seal at Bottom 2/8" SS plate

Hole Record:

<u>66"</u>	<u>inch from</u>	<u>0'</u>	<u>to</u>	<u>10'</u>
<u>60"</u>	<u>inch from</u>	<u>10'</u>	<u>to</u>	<u>175'</u>

Gravel Pack Record:

Amount	Size	Source	From	To
<u>90 ton</u>	<u>#2</u>	<u>Northern Sand & Gravel</u>	<u>175</u>	<u>86</u>

Cementing Record: 7600 lb. of neat cement placed at 81 to 78 ft.

20 yards of cement from 22 to 0 ft.

Backfill Record: Sand and bentonite mixture from 78 to 22 ft.

WELL LOG

Feet	Feet	Description
0	to 19	Brown sand, fine to medium
19	to 20	Streaks of red clay
20	to 89	Coarse sand and gravel. Boulder at 29'
89	to 97	Fine to coarse sand and gravel with many boulders
97	to 121	Fine to medium gray sand
121	to 123	Gray sandy clay with layers of siltstone
123	to 145	Gray fine to medium sand
145	to 175	Gray coarse sand and fine gravel
to		
to		
to		20'2" SS screen with SS bottom plate 26"
to		19'11" SS screen 26"
to		15'0" SS screen 26"
to		4'3" pipe swedge
to		19'5" pipe 18"
to		18'11" pipe 18"
to		18'11" pipe 18"
to		20'2" pipe 18"
to		22'2" pipe 18"
to		22'11" pipe 18"
to		14'10" pipe 18" to ground level
to		
to		

Well Test Data: Static Level 45'; pumping level 80' after 24 hours pumping at 3029 g.p.m.

Length of test 24 hrs. See Well Test Data Sheet Dated April 30 - May 1, 1981

REMARKS:
