

Well Information—Drift Wells

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 4-5-81

City or Village Louisa Generating Station Muscatine State Iowa

Well No.: 102 Drillers: Dennis Auld & John Kilcoyne

Well Location: Approx. 2550 ft. (N) and 2900 ft. (E) of the SW corner of
Section 9, Twp. 15 (N), Range 2 (W) Louisa County.

Otherwise located as _____

Work Began: March 21, 1981 Work Completed: _____ Well Depth: 164' to top of casing
All measurements made from existing ground level at time well was drilled.

Casing Record:

Amount	Dia.	Wt. or Thickness	Material
<u>2'8"</u>	<u>26</u>		<u>pipe with 1 joints from 99 to 96'5"</u>
<u>96'4"</u>	<u>18"</u>		<u>pipe with 6 joints from 96'4" to top of casing</u>

Screen Record: Type Layne

Amount	Dia.	Opening	Material
<u>65</u>	<u>26</u>		<u>SS with 4 joints from 164 to 99</u>
			<u>with _____ joints from _____ to _____</u>

Type of Seal at Bottom 3/8-s.s. plate

Hole Record:

<u>66</u>	<u>inch from 0 to 10'</u>
<u>60</u>	<u>inch from 10 to 164'</u>

Gravel Pack Record:

Amount	Size	Source	From	To
<u>102 ton</u>	<u>#2</u>	<u>Northern Sand and Gravel</u>	<u>164</u>	<u>77</u>

Cementing Record: 7600 lb. neat cement at 70 - 74 ft.
16 yards at top of hole 20 - 0 ft.

Backfill Record: Backfilled with sand and bentonite mixture

WELL LOG

Feet	Feet	Description
0	to 29	Fine brown sand
29	to 32	Fine gravel and boulders
32	to 40	Fine brown sand
40	to 70	Fine to coarse brown sand with some gravel
70	to 96	Fine to coarse brown sand and gravel
96	to 104	Boulders
104	to 116	Red sand with boulders
116	to 121	Fine grayish white sand
121	to 165	Fine to medium gray sand
	to	
	to # 1	20' SS screen with bottom plate and centering guide
	to 2	20' SS screen
	to 3	15' SS blank
	to 4	10' SS screen
	to 5	4'8" pipe swedge
	to 6	19'8" 18" pipe
	to 7	19'1" 18" pipe
	to 8	19'7" 18" pipe
	to 9	20'0" 18" pipe
	to 10	16'1" 18" pipe
	to	
	to	
	to	
	to	164' total depth from top of casing

Well Test Data: Static Level 33'; pumping level 53' after 24 hours pumping at 3/69 g.p.m.

Length of test 24 hrs. See Well Test Data Sheet Dated 5/7 + 8/81

REMARKS: