



Layne-Western Company, Inc.

3

WATER SUPPLY CONTRACTORS

705 SO. DUFF AVE.

AMES, IOWA 50010

Phone 515 232-3563

Name of Job Spencer Municipal Utilities Date 5-20-82

City or Village Spencer State Iowa

Well No.: 3-R Drillers: D. Heldt

Well Location: _____ ft. (____) and _____ ft. (____) of the _____ corner of

Section _____, Twp. _____ (____), Range _____ (____) County.

Otherwise located as 7 ft. s.w. of old #3 well

Work Began: 5-6-82 Work Completed: _____ Well Depth: 36'

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

Casing Record:

Amount	Dia.	Wt. or Thickness	Material
_____	<u>16"</u>	<u>standard</u>	<u>steel</u> with <u>p.e.</u> joints from <u>25.8'</u> to <u>+ 1.7'</u> above ground
_____	_____	_____	with _____ joints from _____ to _____

Screen Record: Type Layne-Johnson

Amount	Dia.	Opening	Material
<u>10.2'</u>	<u>16"</u>	<u>.050</u>	<u>S.S.</u> with <u>p.e.</u> joints from <u>36'</u> to <u>25.8'</u>
_____	_____	_____	with _____ joints from _____ to _____

Type of Seal at Bottom s.s. plate

Hole Record:

_____	_____	_____	_____
<u>48"</u>	inch from <u>0</u>	to <u>10'</u>	_____
<u>42"</u>	inch from <u>10'</u>	to <u>18'</u>	_____
<u>36"</u>	inch from <u>18'</u>	to <u>36'</u>	_____

Gravel Pack Record:

Amount	Size	Source	From	To
<u>8 ton</u>	<u>2A</u>	<u>Hartford Sand Co.</u>	<u>36'</u>	<u>14'</u>

Cementing Record: Put 3 1/2 yards 3,000 lbs. concrete into 48" casing to 8 ft.
and pulled back casing.

Backfill Record: Backfilled with natural sands, dug out from 14' to 8'.

WELL LOG

[illegible]

Well Test Data: Static Level 19'; pumping level 24.4' after 1 hours pumping at 439 g.p.m.

Length of test. 3½ hrs. See Well Test Data Sheet Dated. 5-21-82

REMARKS:

Ran step test starting at 90 gpm increasing in approx. 50 gpm increments,
then ran pump wide open for last hour.