



Layne-Western Company, Inc.

WATER SUPPLY CONTRACTORS

705 SO. DUFF AVE.

AMES, IOWA 50010

Phone 515 232-3563

Name of Job City Water Department Date 07/10/85
 City or Village Emmetsburg, State Iowa
 Well No.: 5 Drillers: Gale McIntosh
 Well Location: _____ ft. (____) and _____ ft. (____) of the NE corner of
 Section 25, Twp. 96 (N), Range 33 (W) Palo Alto County.
 Otherwise located as 50 feet west of well No. 3

Work Began: 07/01/85 Work Completed: 07/11/85 Well Depth: 35'
 All measurements made from existing ground level at time well was drilled.

Casing Record:

Amount	Dia.	Wt. or Thickness	Material		
<u>28</u>	<u>16</u>	<u>375</u>	<u>steel</u>	<u>with weld joints from</u>	<u>+5 to 23</u>
				<u>with joints from</u>	<u>to</u>

Screen Record: Type Layne shutter

Amount	Dia.	Opening	Material		
<u>10</u>	<u>16</u>	<u>5</u>	<u>s.s.</u>	<u>with weld joints from</u>	<u>23 to 33</u>
				<u>with joints from</u>	<u>to</u>

Type of Seal at Bottom s.s. plate

Hole Record:

<u>52</u>	<u>inch from</u>	<u>0</u>	<u>to</u>	<u>5</u>
<u>48</u>	<u>inch from</u>	<u>5</u>	<u>to</u>	<u>35</u>

Gravel Pack Record:

Amount	Size	Source	From	To
<u>14 ton</u>	<u>1/8x1/4</u>	<u>Northern Gravel</u>	<u>20</u>	<u>35</u>

Cementing Record: 5 yards of 4000 lbs., ground level to 15'Backfill Record: Bentonite and clay, 15 to 20'

