



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 12-11-84
 City or Village Montrose State Iowa
 Well No.: 2 Drillers: Gale McIntosh
 Well Location: 1160 ft. (N) and 2320 ft. (E) of the SW corner of
 Section 3, Twp. 66 (N), Range 5 (W) Lee County.
 Otherwise located as 45' west of #1 well

Work Began: 11-26-84 Work Completed: 12-14-84 Well Depth: 57'
 All measurements made from existing ground level at time well was drilled.

Casing Record:

Amount	Dia.	Wt. or Thickness	Material
<u>41</u>	<u>12</u>	<u>375 wall</u>	<u>steel</u>
with <u>weld</u> joints from <u>0</u> to <u>41</u>			
with _____ joints from _____ to _____			

Screen Record: Type Layne Shutter

Amount	Dia.	Opening	Material
<u>15'</u>	<u>12</u>	<u>.080</u>	<u>s.s.</u>
with <u>weld</u> joints from <u>41</u> to <u>56</u>			
with _____ joints from _____ to _____			

Type of Seal at Bottom 1/4" s.s. plate

Hole Record:

<u>48</u>	inch from	<u>0</u>	to	<u>5</u>
<u>42</u>	inch from	<u>5</u>	to	<u>57'6"</u>

Gravel Pack Record:

Amount	Size	Source	From	To
<u>14 tons</u>	<u>#3</u>	<u>Northern Gravel</u>	<u>30'</u>	<u>57'6"</u>

Cementing Record: 2 yards - 4000 lbs. 2' to 22'Backfill Record: Clay & Laynite 22' to 30'

WELL LOG

Feet	Feet	Description
0	2	Top Soil
2	12	Light brown clay
12	15	Tan clay with sand and cemented sand
15	17	Brown sand
17	28	Fine brown sand
28	47	Medium brown sand
47	48	Small to coarse gravel
48	56	Fine gray sand
56	58	Limestone blue-gray clay with some gravel
		Bottom

Well Test Data: Static Level 12; pumping level 25 after 16 hours pumping at 331 g.p.m.

Length of test 16 hrs. See Well Test Data Sheet Dated 12-12-84

REMARKS: