

1. Contract..... City of Harlan ..... Date July 26, 1965  
 2. City and State Harlan, Iowa ..... Driller Harold Statz  
 3. Well No. 14 ..... at test hole No. 65-17 Well location (attach map) Approximately 300'  
northeast of well # 13

4. Work completed July 26, 1965 ..... No of man hours as charged to job on time sheet.....

5. MATERIAL:	LENGTH	DIA.	GAUGE OR WALL THICKNESS	MATERIAL	TYPE	NO. OF OPENINGS
6. Screen	<u>7' 6"</u>	<u>16"</u>	<u>7 ga.</u>	<u>stainless steel</u>	<u>Layne</u>	<u>4</u>
7. Inner Casing	<u>31' 6"</u>	<u>16"</u>	<u>3/8"</u>	<u>steel</u>	<u>butt weld</u>	
8. Outer Casing	.....	.....	.....	.....	.....	
9. <u>25</u> tons of gravel used in the well. Size <u>road gravel</u>						
10. Test of well. Did you use test or permanent pump? <u>test</u> ..... <u>10"</u> ..... <u>7</u> <div style="display: flex; justify-content: space-around; width: 100%;"> <span>Size of Bowl</span> <span>Stages</span> </div>						
11. Size of orifice <u>6</u> inch by <u>3</u> inch. Orifice tube reading <u>24"</u> inches.						
12. Pumping test — measurements from ground level:						

TIME	G.P.M.	STATIC	DRAWDOWN	PUMPING LEVEL
8:00 A.M. - 10:00 A.M.	<u>165</u>	<u>14' 6"</u>	<u>11'</u>	<u>25' 6"</u>
10:00 A.M. - 4:00 P.M.	<u>164</u>	<u>14' 6"</u>	<u>11'</u>	<u>25' 6"</u>
.....	.....	.....	.....	.....
.....	.....	.....	.....	.....
.....	.....	.....	.....	.....
.....	.....	.....	.....	.....

13. Recovery in 5 minutes 8" ....., in 30 minutes full .....  
 14. Did you seal bottom of well? yes ..... Thickness 3/8 inches, material stainless steel .....  
 15. Well underreamed? no ..... From ..... feet to ..... feet, ..... feet to ..... feet  
 16. If all screen was not placed at bottom, state how it was spaced.  
 From 25' 6" feet to 33 feet; from ..... feet to ..... feet; from ..... feet to ..... feet.  
 17. Depth of well from ground level to top of plug 33' ..... Size of drilled hole 52" .....  
 18. Was cement placed around or between any of the casings? no .....  
 19. If so, state where, how much and method used. ....

CONTRACT.....City of Harlan, Iowa..... Well No. 14.....

Log of well from ground level:

Feet	Feet	Formation
.....	to .....	.....
0	to 4	Black top soil
4	to 11	Gray clay
11	to 16	Fine and coarse sand, and clay
16	to 17	Blue clay
17	to 31	Coarse sand, gravel, and fine sand
31	to 33	Gravel, coarse sand, and boulders
33	to .....	Blue clay
.....	to .....	.....
.....	to .....	.....
.....	to .....	.....
.....	to .....	.....
.....	to .....	.....
.....	to .....	.....
.....	to .....	.....
.....	to .....	.....
.....	to .....	.....

