

1. Contract City of Harlan Date July 22, 1965
 2. City and State Harlan, Iowa Driller Harold Statz
 3. Well No. 15 at test hole No. 65-14 Well location (attach map) 400' south of well # 16

4. Work completed July 22, 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>34' 6"</u>	<u>16"</u>	<u>3/8"</u>	<u>Steel</u>	<u>Buttweld</u>	
8. Outer Casing						
9. <u>25</u> tons of gravel used in the well. Size <u>radial gravel</u>						
10. Test of well. Did you use test or permanent pump? <u>test</u> <u>10"</u> <u>7</u>						
Size of Bowl Stages						
11. Size of orifice <u>6</u> inch by <u>3</u> inch. Orifice tube reading <u>43</u> inches.						
12. Pumping test — measurements from ground level:						

TIME	G.P.M.	STATIC	DRAWDOWN	PUMPING LEVEL
<u>11:00 A.M. - 12:00</u>	<u>205</u>	<u>16' 6"</u>	<u>7'</u>	<u>23' 6"</u>
<u>12:00 P.M. - 6:00 P.M.</u>	<u>217</u>	<u>16' 6"</u>	<u>7'</u>	<u>23' 6"</u>
<u>6:00 P.M. - 7:00 P.M.</u>	<u>280</u>	<u>16' 6"</u>	<u>10'</u>	<u>26' 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 31' 6" feet to 38' feet; from _____ feet to _____ feet; from _____ feet to _____ feet.
 17. Depth of well from ground level to top of plug 38' 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. 15.....

Log of well from ground level:

Feet	Feet	Formation
.....	to .....	.....
0	to 4	Black top soil
4	to 11	Brown clay
11	to 16	Blue sand and clay
16	to 26	Coarse sand, gravel, and fine sand
26	to 27	Blue clay
27	to 38	Gravel, coarse and fine sand, and boulders
38	to	Blue clay
.....	to .....	.....
.....	to .....	.....
.....	to .....	.....
.....	to .....	.....
.....	to .....	.....
.....	to .....	.....
.....	to .....	.....
.....	to .....	.....
.....	to .....	.....
.....	to .....	.....
.....	to .....	.....

