

Contract Harlan Utilities Date 12-12-78

City and State Harlan, Iowa Driller Harold Statz

Well No. 28 at test hole No. _____ Well location (attach map) _____

Work completed _____ No of man hours as charged to job on time sheet _____

MATERIAL:	LENGTH	DIA.	GAUGE OR WALL THICKNESS	MATERIAL	TYPE	NO. OF OPENINGS
Screen	<u>10'</u>	<u>10"</u>		<u>S.S.</u>	<u>wire wrap</u>	<u>.050</u>
Inner Casing	<u>35'</u>	<u>10"</u>	<u>.365</u>	<u>Steel</u>	<u>Welded</u>	
Outer Casing						

_____ tons of gravel used in the well. Size #2 Northern

Test of well. Did you use test or permanent pump? Test 10" 4
Size of Bowl Stages

Size of orifice 4 inch by 2½ inch. Orifice tube reading 10.5 inches.

Pumping test — measurements from ground level:

TIME	G.P.M.	STATIC	DRAWDOWN	PUMPING LEVEL
<u>24 hours</u>	<u>80</u>	<u>19</u>	<u>4</u>	<u>23</u>

Recovery in 5 minutes full, in 30 minutes full

Did you seal bottom of well? Yes Thickness 3/16 inches, material S.S.

Well underreamed? No From _____ feet to _____ feet, _____ feet to _____ feet.

If all screen was not placed at bottom, state how it was spaced.

From 26 feet to 36 feet; from _____ feet to _____ feet; from _____ feet to _____ feet.

Depth of well from ground level to top of plug 36' Size of drilled hole 28"

Was cement placed around or between any of the casings? Yes

If so, state where, how much and method used. 1½ yards 7' to 17'

Well No. 28

Formation

Brown clay.

Fine sand

Coarse, fine sand

Gravel, coarse sand, boulders

Blue clay

