

Ne-Western Company, Inc.

V All Information

Omaha, Nebraska

Contract Harlan Utilities Date 12-12-78
 City and State Harlan, Iowa Driller Harold Statz
 Well No. 23 at test hole No. 78-5 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>33'</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 2 1/2 inch. Orifice tube reading 10 inches.

Pumping test — measurements from ground level:

TIME	G.P.M.	STATIC	DRAWDOWN	PUMPING LEVEL
<u>4 hours</u>	<u>66</u>	<u>19</u>	<u>3</u>	<u>22</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 23 feet to 33 feet; from _____ feet to _____ feet; from _____ feet to _____ feet.

Depth of well from ground level to top of plug 33 Size of drilled hole 2.8"

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

If so, state where, how much and method used. 1 1/2 yards 7' - 17'

[illegible]