

Contract City of Sioux City Date September 23, 1964

2. City and State Sioux City, Iowa Driller Vic Soukup
 3. Well No. 10 at test hole No. 64-1 Well location (attach map) 900' west of present well
along highway # 20, across from Spaulding Park

4. Work completed September 23, 1964 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>50'</u>	<u>12" OD</u>		<u>Everdur bronze</u>	<u>Cook, type WW</u>	<u>60</u>
7. Inner Casing	<u>319' 6"</u>	<u>24" OD</u>	<u>1/4"</u>	<u>black steel pipe</u>	<u>Welded</u>	
8. Outer Casing	<u>8' of 12" Cook blank bronze</u>					

9. 10 tons of gravel used in the well. Size from Fremont, Nebraska

10. Test of well. Did you use test or permanent pump? test 15" 2
 Size of Bowl Slages

11. Size of orifice 10 inch by 7 inch. Orifice tube reading _____ inches.

12. Pumping test — measurements from ground level:

TIME	G.P.M.	STATIC	DRAWDOWN	PUMPING LEVEL
<u>1 hour</u>	<u>600</u>	<u>93'</u>	<u>34'</u>	<u>127'</u>
<u>2 1/2 hours</u>	<u>785</u>	<u>"</u>	<u>52'</u>	<u>145'</u>
<u>1 1/2 hours</u>	<u>863</u>	<u>"</u>	<u>62'</u>	<u>155'</u>
<u>7 hours</u>	<u>1001</u>	<u>"</u>	<u>78'</u>	<u>171'</u>
<u>4 hours</u>	<u>1012</u>	<u>"</u>	<u>79'</u>	<u>172'</u>
<u>1 1/2 hours</u>	<u>1124</u>	<u>"</u>	<u>87'</u>	<u>180'</u>

13. Recovery in 5 minutes full in 30 minutes _____

14. Did you seal bottom of well? yes Thickness 1/4 inches, material Everdur bronze plug

15. Well underreamed? From _____ feet to _____ feet, _____ feet to _____ feet.

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

From _____ feet to _____ feet; from _____ feet to _____ feet; from _____ feet to _____ feet.

17. Depth of well from ground level to top of plug 364' Size of drilled hole 30" to 314' - 22" to 364

18. Was cement placed around or between any of the casings? yes

19. If so, state where, how much and method used. from 0' to 314' pumped through 1 1/2" pipe-550 sacks

CONTRACT City of Sioux City Well No.

Log of well from ground level:

Feet	Feet	Formation
..... to	 to	
0	to 24	Brown clay
24	to 118	Brown clay
118	to 200	Gray clay, trace of sandstone
200	to 224	Fine sandstone
224	to 240	Fine sandstone and shale
240	to 251	Gray shale
251	to 263	Fine sandstone
263	to 300	Sandstone and shale
300	to 350	Coarse sandstone
350	to 364	Medium sandstone
..... to	 to	
..... to	 to	
..... to	 to	
..... to	 to	
..... to	 to	
..... to	 to	

SEE DRAWING ATTACHED

