

1. Contract City of Sioux City Date March 28, 1971
 2. City and State Sioux City, Iowa Driller Vic Soukup
 3. Well No. 2 at test hole No. 70-4 Well location (attach map) 900' West of well #1

4. Work completed..... 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>154'</u>	<u>18"</u>	<u>I.D. Wire Wound</u>	<u>S.S.</u>	<u>Cook</u>	<u>.050"</u>
7. Inner Casing	<u>20'</u>	<u>18"</u>	<u>ID 7 ga.</u>	<u>S.S.</u>		
* 8. Outer Casing	<u>160'</u>	<u>36"</u>	<u>OD 1/2"</u>	<u>Steel</u>		
9. <u>50</u> tons of gravel used in the well. Size <u>Concrete mix</u> <u>Fremont</u>						

10. Test of well. Did you use test or permanent pump? Test 17" 2
 Size of Bowl Stages

11. Size of orifice 12 inch by 9 inch. Orifice tube reading..... inches.

12. Pumping test — measurements from ground level:

TIME	G.P.M.	STATIC	DRAWDOWN	PUMPING LEVEL
<u>2 Hr.</u>	<u>1065</u>	<u>13'6"</u>	<u>57</u>	<u>70'6"</u>
<u>4 Hr.</u>	<u>1500</u>	<u>13'6"</u>	<u>74</u>	<u>87'6"</u>
<u>16 Hrs.</u>	<u>1845</u>	<u>13'6"</u>	<u>90</u>	<u>103'6"</u>
<u>2 Hrs.</u>	<u>2411</u>	<u>13'6"</u>	<u>114</u>	<u>127'6"</u>
.....				
.....				
.....				

13. Recovery in 5 minutes....., in 30 minutes.....

14. Did you seal bottom of well? Yes Thickness 3/8 inches, material S.S. Plate

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 310' Size of drilled hole 45" to 160 34" to 310'

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

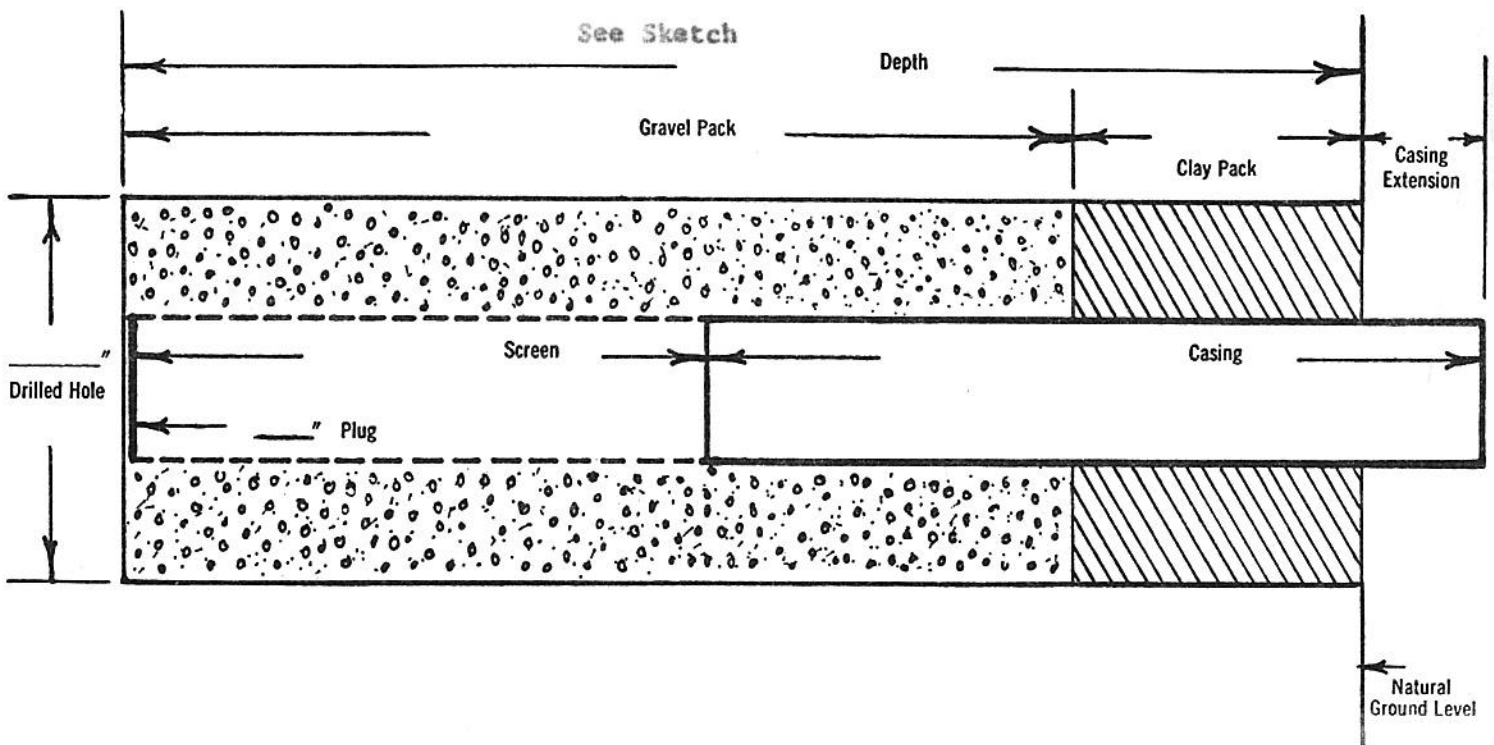
19. If so, state where, how much and method used. 620' sacks poured down 2" pipe around 36" casing - 42" hole

* From ground level

CONTRACT.....City of Sioux City..... Well No. 2

Log of well from ground level:

Feet	Feet	Formation
.....	to	
<u>0</u>	to <u>30</u>	<u>Silty clay</u>
<u>30</u>	to <u>57</u>	<u>Coarse sand and gravel</u>
<u>57</u>	to <u>63</u>	<u>Clay</u>
<u>63</u>	to <u>114</u>	<u>Coarse sand</u>
<u>114</u>	to <u>160</u>	<u>Gray shale</u>
<u>160</u>	to <u>182</u>	<u>Sandstone medium</u>
<u>182</u>	to <u>191</u>	<u>Gray shale</u>
<u>191</u>	to <u>240</u>	<u>Sandstone medium shale streaks</u>
<u>240</u>	to <u>251</u>	<u>Shale in limestone sandstone streaks</u>
<u>251</u>	to <u>286</u>	<u>Sandstone medium</u>
<u>280</u>	to <u>310</u>	<u>Sandstone shale streaks</u>
.....	to	
.....	to	
.....	to	
.....	to	



BY DRS DATE 5/7/77
CHKD. BY GHB DATE 5/7/77

SUBJECT CITY OF SOUTHERN ILLINOIS

SHEET NO. 1 OF 1

JOB NO. N-483-B

Well #2

