

1. Contract Southern Sioux County RWS Date 4-3-90 w#42553  
 2. City and State Maurice, Iowa Driller Statz/Payton  
 3. Well No. D-2 at test hole No. 90-1 Well location (attach map) 50 feet of water treatment plant building

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4. Work completed 4-3-90 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>155'</u>	<u>12"</u>	<u>7 gauge</u>	<u>304 SST</u>	<u>Johnson</u>	<u>.025</u>
7. Inner Casing	<u>298.50'</u>	<u>12"</u>	<u>.375</u>	<u>Steel</u>		
8. Outer Casing	<u>213.50'</u>	<u>26"</u>	<u>.375</u>	<u>Steel</u>		

9. 45 tons of gravel used in the well. Size Northern Sand No. 0

10. Test of well. Did you use test or permanent pump? Test 12RK 4  
Size of Bowl Stages

11. Size of orifice 6" inch by 5" inch. Orifice tube reading 65.0 inches.

12. Pumping test — measurements from ground level:

TIME	G.P.M.	STATIC	DRAWDOWN	PUMPING LEVEL
	See Attached Sheet			
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

13. Recovery in 5 minutes 12.58' from SWL, in 30 minutes 8.58' from SWL

14. Did you seal bottom of well? yes Thickness 3/16 inches, material 304 SST

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 293 feet to 448 feet; from \_\_\_\_\_ feet to \_\_\_\_\_ feet; from \_\_\_\_\_ feet to \_\_\_\_\_ feet.

17. Depth of well from ground level to top of plug 450' Size of drilled hole 32"-210' 25"-(210-448)

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

19. If so, state where, how much and method used. 32" x 26" - 20 yards, 25" x 12" - 20 yards,  
 pressure grouted with neat cement.

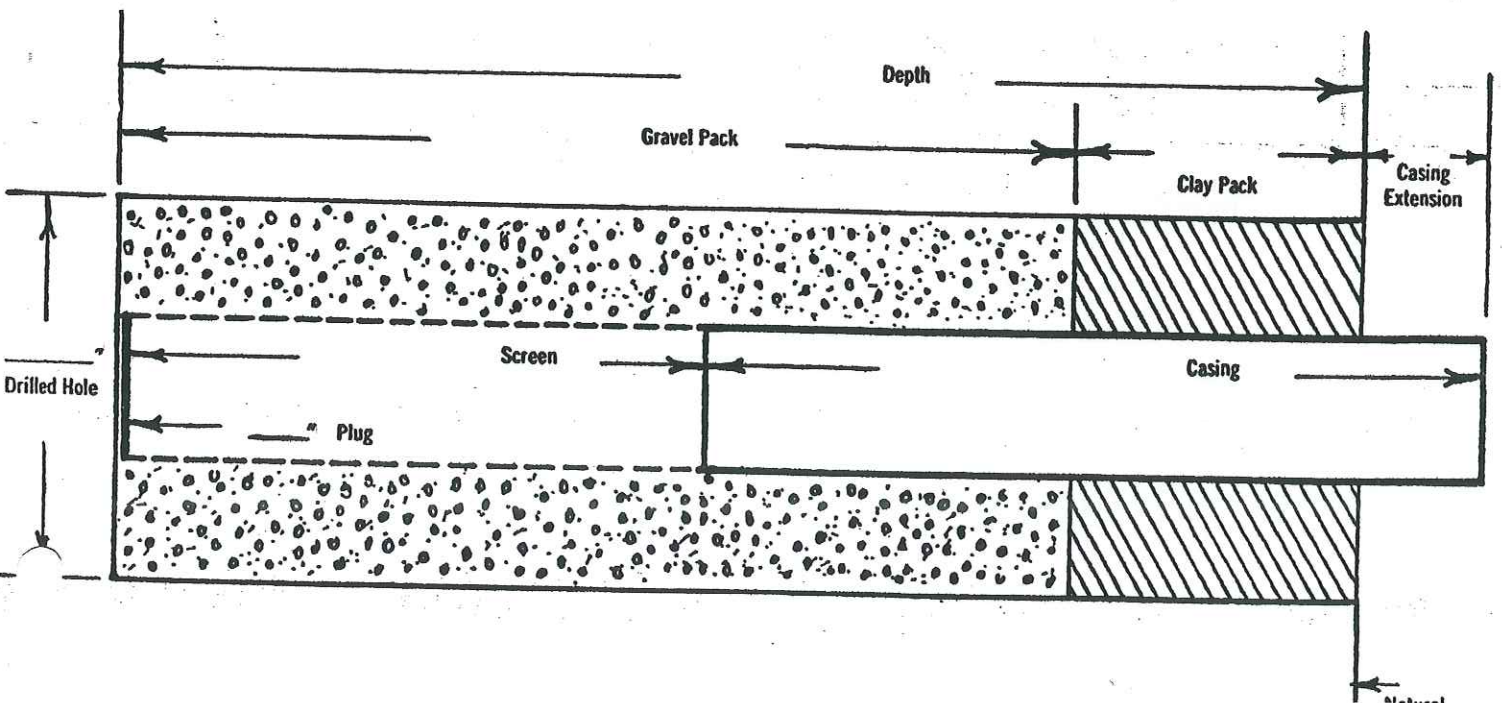
CONTRACT Southern Sioux County RWS

Well No. D-2

Log of well from ground level:

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Feet	to	Feet	Formation
0	to	3	Brown clay
3	to	65	Gray sand and stones
65	to	87	Light gray clay
87	to	88	Dark gray silty sand
88	to	92	Fine brown sand
92	to	133	Dark gray clay
133	to	147	Fine and coarse gray sand
147	to	152	Dark gray clay
152	to	171½	Fine and coarse gray sand
171½	to	173	Dark gray clay
173	to	183½	Coarse gray sand and gravel
183½	to	186	Rock (lime)
186	to	192	Light gray shale
192	to	193½	Limestone
193½	to	195	Light gray shale
195	to	212	Dark gray clay



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Well No. D-2

Log of well from ground level:

Feet	to	Feet	Formation
212	to	213	Limestone
213	to	214	Shale
214	to	215	Limestone
215	to	257	Dark gray shale
257	to	257 $\frac{1}{2}$	Limestone
257 $\frac{1}{2}$	to	270	Gray shale
270	to	310	Fine white sandstone
310	to	377	Medium and fine white sandstone
377	to	385	Coarse and fine white sandstone
385 $\frac{1}{2}$	to	426	Medium and fine white sandstone
426	to	429	Sandstone, layers of shale
429	to	448	Medium and fine sandstone
448	to	450	Limestone
	to		
	to		
	to		

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