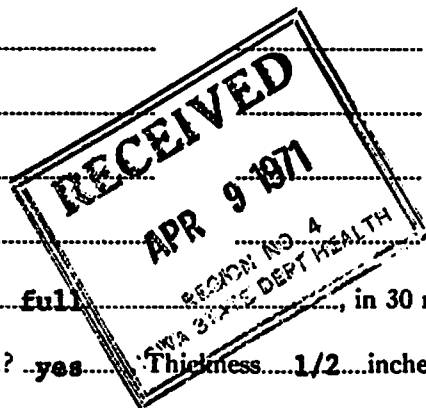


1. Contract City of Logan Date August 7, 1968
 2. City and State Logan, Iowa Driller Harold Statz
 3. Well No. 5 at test hole No. 68-1 Well location (attach map) 280' south of well # 3
 4. Work completed 8-7-68 No of man hours as charged to job on time sheet _____
 5. MATERIAL:
- | | LENGTH | DIA. | GAUGE OR WALL THICKNESS | MATERIAL | TYPE | NO. OF OPENINGS |
|-----------------|---------------|------------|-------------------------|------------------------|------------------|-----------------|
| 6. Screen | <u>10'</u> | <u>16"</u> | <u>7 ga.</u> | <u>stainless steel</u> | <u>Layne</u> | <u>3</u> |
| 7. Inner Casing | <u>47' 6"</u> | <u>16"</u> | <u>3/8"</u> | <u>steel</u> | <u>Butt weld</u> | |
| 8. Outer Casing | | | | | | |
9. 15 tons of gravel used in the well. Size Coarse road gravel
 10. Test of well. Did you use test or permanent pump? permanent 8" 4
Size of Bowl Stages
 11. Size of orifice 4 inch by 3 inch. Orifice tube reading 235 inches.
 12. Pumping test — measurements from ground level:

TIME	G.P.M.	STATIC	DRAWDOWN	PUMPING LEVEL
<u>3 hrs.</u>	<u>201</u>	<u>18'</u>	<u>5' 6"</u>	<u>23' 6"</u>



13. Recovery in 5 minutes full, in 30 minutes full
14. Did you seal bottom of well? yes Thickness 1/2 inches, material steel
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 40 feet to 50 feet; from _____ feet to _____ feet; from _____ feet to _____ feet.
17. Depth of well from ground level to top of plug 50' Size of drilled hole 42"
18. Was cement placed around or between any of the casings? no
19. If so, state where, how much and method used. _____

CONTRACT.....City of Logan, Iowa..... Well No.....5.....

Log of well from ground level:

Feet	to	Feet	Formation
0'	to	2'	Fill
2'	to	5'	Black top soil
5'	to	16'	Brown clay
16'	to	28'	Blue clay
28'	to	30'	Blue clay, gravel, and sand
30'	to	36'	Coarse sand, small gravel, fine sand
36'	to	48'	Gravel, loosed, coarse sand
48'	to	50'	Gravel and boulders
50'	to		Limestone
	to		
	to		
	to		
	to		
	to		
	to		

