



Layne-Western Company, Inc.

WATER SUPPLY CONTRACTORS

705 SO. DUFF AVE.

AMES, IOWA 50010

Phone 515 232-3563

Job..... City of Polk City Well no. 4 Date Tested..... 4-26-82
 Location..... Well No. 4 Tested By..... D. Heldt
 Dia. of Well..... 10" x 30" Driver..... English Ford Diesel
 Depth of Well..... 55.1 Pump Used: Column and Shaft..... 6 x 1½
 Length of Airline..... M-scope Bowls..... 10 stage 8" THC
 Non-Pumping Level..... 13.6' Manufacturer Layne & Bowler
 Orifice Size..... 6 x 3 Serial No.

Time	Pizometer Reading (in.)	G. P. M.	Air Gauge Reading (feet)	Pumping Level	Drawdown	Disch. Pressure		Total Pumping Head	Remarks
						Lbs.	Feet		
6:49									Static 13.6'
7:00	9	102				95			
7:00:30	9	102							Clear
7:01	9	102							
7:01:30	9	102							
7:02	9	102		23.25	9.55				
7:02:30	9	102		23.4	9.6				
7:03	9	102							
7:03:30									
7:04									
7:04:30	9.5	105		23.7	9.9				
7:05	9.5	105		23.9	10.3				
7:10	9.5	105		24.4	10.8				
7:15	9.5	105		24.9	11.3	95			
7:20	9.5	105		25.2	11.6	95			
7:25	9.5	105		25.4	11.8	95			
7:30	9.5	105		25.65	12.05	95			
7:35	9.5	105		25.8	12.2	95			
7:40	9.5	105		25.9	12.3	95			
7:45	9.5	105		26.0	12.4	95			
7:50	9.5	105		26.1	12.5	95			
7:55	9.5	105		26.2	12.6	95			
8:00	9.5	105		26.25	12.65	95			
8:20	9.5	105		26.35	12.75	95			
8:40	9.5	105		26.55	12.95	95			
9:00	9.5	105		26.7	13.1	95			



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Name of Job City of Polk City Date 4/82City or Village Polk City State IowaWell No.: 4 Drillers: D. HeldtWell Location: _____ ft. (E) and _____ ft. (S) of the N.W. corner ofSection 1, Twp. 80 (N), Range 25 (W) Madison Twp., Polk County.Otherwise located as William Burch property - North of Polk City - West of N.W.Sheldahl Drive, West of Big CreekWork Began: 4-12-82 Work Completed: 4-27-82 Well Depth: 55.1

All measurements made from existing ground level at time well was drilled.

Casing Record:

Amount	Dia.	Wt. or Thickness	Material
<u>43.1</u>	<u>10"</u>	<u>Sch. 40</u>	<u>steel with p.e. joints from 0 to 43.1</u>
			<u>with joints from to</u>

Screen Record: Type Layne-Johnson wire wound

Amount	Dia.	Opening	Material
<u>12'</u>	<u>10</u>	<u>.035</u>	<u>SS with p.e. joints from 55.1 to 43.1</u>
			<u>with joints from to</u>

Type of Seal at Bottom welded stainless steel plate

Hole Record:

<u>36"</u>	inch from <u>0</u>	to <u>13.5</u>
<u>30"</u>	inch from <u>13.5</u>	to <u>56</u>

Gravel Pack Record:

Amount	Size	Source	From	To
<u>8 ton</u>	<u>#1</u>	<u>Northern Gravel, Muscatine</u>	<u>56'</u>	<u>33'</u>

Cementing Record: Cement from 29' to 12'Backfill Record: Bentonite clay slurry from 33' to 29'