



Layne-Western Company, Inc.

PROFESSIONAL SERVICES FOR WATER SYSTEMS

705 SO. DUFF AVE.

AMES, IOWA 50010

Phone 515/232-3563

Job Emmetsburg Municipal Utilities Well no. 6 Date Tested 03/11/93
 Location west of water plant Tested By Larry Hrabik
 Dia. of Well 26" Driver 3208 Cat
 Depth of Well 287 Pump Used: Column and Shaft 6 x 1 3/16
 Length of Airline --- Bowls 12"
 Non-Pumping Level 16' 24 Hour Pump Test Manufacturer Layne
 Orifice Size 6 x 5 Serial No. _____

Time	Pizometer Reading (in.)	G. P. M.	Air Gauge Reading (ft.)	Pumping Level	Drawdown	Disch. Pressure		Total Pumping Head	Remarks
						Lbs.	Feet		
12:00				16'					
01	65.5	1007		35' 8"	19' 8"				S.C. = 51.2 gpm/ft
02				46' 5"					
03				49' 3½"					
04				50' 7½"					
05		"		51' 2½"					
06				51' 8"					
07				51' 11"					
08				52' 2"					
09		"		52' 5"					
12:10				52' 7"	36' 7"				S.C. = 27.65 gpm/ft
12				52' 11"					
14				53' 2"					
16		"		53' 4"					
18				53' 6½"					
20				53' 9½"					
25				54'					
12:30				54' 4"	38' 4"				S.C. = 26.27 gpm/ft
35		"		54' 6½"					
40				54' 9"					
45				54' 11½"					
50				55' 1½"					
55				55' 2½"					
1:00		"		55' 4½"	39' 4½"				S.C. = 25.57 gpm/ft



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Time	Pizometer Reading (in.)	G. P. M.	Air Gauge Reading (ft.)	Pumping Level	Drawdown	Disch. Pressure		Total Pumping Head	Remarks
						Lbs.	Feet		
1:30	65.5	1007		55' 11"					
2:00				56' 2"					
30				56' 6 1/2"					
3:00				56' 9"					
30				56' 11 1/2"					
4:00				57'					
5:00				57' 3 1/2"					
6:00	65.5	1007		57' 6"	41' 6"				S.C. = 24.26 gpm/ft
7:00				57' 7 1/2"					
8:00				57' 9 3/4"					
9:00				57' 10 3/4"					
10:00				58' 2"					
11:00				58' 4"					
12:00 AM	65.5	1007		58' 6 1/2"	42' 6 1/2"				S.C. = 23.67 gpm/ft
1:00				58' 7"					
2:00				58' 8 1/2"					
3:00				58' 10 1/2"					
4:00				59' 3"					
5:00	65.5	1007		59' 5 1/2"					S.C. = 23.17 gpm/ft
6:00				59' 8"					
7:00				59' 9 1/2"		5" dia. test well - pumping level = 37'			
8:00				59' 10 3/4"		2" dia. obs. well - pumping level = 35' 9"			
9:00				59' 11"					
10:00				59' 11 1/2"		took water sample			
11:00				60'					
12:00				60' 1"					