

RICHARD A. OGDEN  
Well Drilling & Pump Service  
Manchester, Iowa

319-927-3077

Well No. 1 Date Begun March 1969 Date Completed March 1969  
August 1977  
NAME City of Delaware ADDRESS Delaware COUNTY Delaware  
State Iowa Location city well  
Driller Rich Ogden Helper \_\_\_\_\_ Total Depth 336'  
Producing Formation lime Depth Range 300-336' Total Casing Depth 60'  
Temporary Casing 20 Ft. Size 12" Casing Records Permanent Size 7" Steel From 0 to 60  
Final Water Level 45' Main Water Supply 300-336'  
Yield Test 100 Gallons Per Minute at 165' Pumping Level

FORMATIONS

From	To	Thickness	Kind of Rock	Color	Hard or Soft	Water
0	18	18'	clay	brown		
18	226	208'	lime	brown		
226	336	110'	lime			

PUMP INSTALLATION

Pump Make 10 H.P. Red Jacket Type of Setting sub.  
Drop Pipe Used Size 3" steel Amount of 168'  
Installed by Jeff Ogden Was Pump Checked? yes

12" hole 60' annular space between 12" hole and 7" casing cement grouted.