

**Site identification**  
 Property Owner Rural Water System #1 Well Number S-6  
 Address RR1, Box 99, Hospers, IA 51238  
 Tenant \_\_\_\_\_  
 Well Depth 324 ft Date Completed 2, 16, 95

**Drill method**  rotary  auger  cable other DNR  
**Hole size**  
24 inch from 0 ft to 324 ft hole size continued 02 1996  
 \_\_\_\_\_ inch from \_\_\_\_\_ ft to \_\_\_\_\_ ft  
 \_\_\_\_\_ inch from \_\_\_\_\_ ft to \_\_\_\_\_ ft  
 Record all depth measurements from ground level (GL). Use (+) for above GL measurements.

**Location** County Sioux  
1/2 mi. <sup>N</sup> and 1/4 mi. <sup>E</sup> of intersection of HWY 75 and County Rd. B46  
 \_\_\_\_\_ 1/4 of the \_\_\_\_\_ 1/4 of the \_\_\_\_\_ 1/4 of Sec \_\_\_\_\_ TWP \_\_\_\_\_ RNG \_\_\_\_\_ E  
95N - 45W Sec 17 ADC W  
 Show exact location of well in section grid with a dot (•). 56  
 Sketch map of well location on property

**Casing** Drive shoe (yes/no) \_\_\_\_\_ Pitless adaptor (yes/no) \_\_\_\_\_  
 Size (ID/OD) Type / Wt Depth top Depth bottom Amount (length)  
12" 0.375" 6' 284' 278'

**Perforated or slotted casing?** (yes/no) \_\_\_\_\_  
 Perforated / slotted from \_\_\_\_\_ ft to \_\_\_\_\_ ft  
 Perforated / slotted from \_\_\_\_\_ ft to \_\_\_\_\_ ft

**Casing grouted?** (yes/no) \_\_\_\_\_  
 Type Depth Top Depth Bottom Amount  
Neat Cement 5' 215' 20 yds.

upland  hillside  valley Elevation (if known) \_\_\_\_\_

**Well screen?** (yes/no) \_\_\_\_\_  
 Diameter Slot size Depth Top Depth Bottom Length Material  
12" 0.035" 284' 324' 40' SST.

**Formation log**

From	To	Color	Hardness	Formation description
0	20	Brown		Clay
20	52	Gray		Sandy clay, cobbles
52	59	Gray		Sand
59	239	Gray		Till w/cobbles
239	259	Gray		Sand
259	264	Gray		Till with cobbles
264	289	Gray		Coarse sand + gravel
289	299	Gray		Medium sand
299	324	Gray		Sand w/some gravel
324	344	Gray		Till

Bottom capped (yes/no) with SST. plate  
 Seals / Packers (yes/no) kind Bentonite depth 215-220 ft  
 Gravel packed (yes/no) from 220 ft to 324 ft  
 type Northern amount 14 TONS

**Well developed?** (yes/no) \_\_\_\_\_  
 Explain Surge block + bailer, rawhiding with pump.

**Pump installed?** (yes/no) \_\_\_\_\_ Date 11, 13, 95  
 Installer's name Nan Cronin  
 Type of pump Submersible Depth to intake ~290 ft  
 Pump diameter 8" pump, 8" motor Rated capacity 600 GPM

**Water information** Aquifer:  sand/gravel  limestone  sandstone  
 Main water-supply zone from 284 ft to 324 ft  
 Final water level (static water level) 234 ft (below/above) GL.  
 Pumping water level 265 ft below GL;  tape  airline  E-line  
 At yield of 600 GPM;  orifice  volumetric  estimate Date 2/21/95

**Remarks** (including depth of lost drilling fluids, materials, or tools)

**Water quality test?** (yes/no) \_\_\_\_\_ Date tested 2, 24, 95  
 Tested by Rural Water System No. 1  
 Test results Unknown

**Well use**  
 Domestic  Municipal  Industrial  
 Livestock  Public Supply  Monitoring  
 Test Well  Irrigation  Other \_\_\_\_\_ (explain)

Contractor Layne-Western  
 Address 25450 HWY 275, Valley, NE 68064  
 Driller David Deaver Certification no. 40259