

**Site identification**  
 Property Owner City of Ida Grove Well Number 8 (east)  
 Address Ida Grove, IA  
 Tenant \_\_\_\_\_  
 Well Depth 62'-6" ft Date completed 6/20/02

**Location** County Ida  
1/2 mi. <sup>N</sup><sub>S</sub> and 1/16 mi. <sup>E</sup><sub>W</sub> of intersection of Walnut and N 1<sup>st</sup> St.  
 NE 1/4 of the NE 1/4 of the SE 1/4 of Sec 11 TWP 87N RNG 40 <sup>E</sup><sub>W</sub>  
 Show exact location of well in section grid with a dot (•). Sketch map of well location on property.

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

**Formation log**

From	To	Color	Hardness	Formation description
0	17	Black		Clay
17	22	Brown		Clay
22	48			Course sand + gravel
48	62			Gravel w/ boulders

use additional sheets as needed

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

**Well use**

Domestic  Municipal  Commercial  
 Livestock  Public supply  Monitoring  
 Test well  Irrigation  Other \_\_\_\_\_ (explain)

**Drill method**  rotary  auger  cable other Reverse  
**Hole size** 26 inch from 0 ft to 62 ft hole size continued \_\_\_\_\_ inch from \_\_\_\_\_ ft to \_\_\_\_\_ ft  
 \_\_\_\_\_ inch from \_\_\_\_\_ ft to \_\_\_\_\_ ft

Record all depth measurements from ground level (GL). Use (+) for above GL measurements.

**Casing** Drive shoe (yes / no) Pitless adapter (yes / no)

Size (ID/OD)	Type / Wt	Depth top	Depth bottom	Amount (length)
16	62.58	5	42	37
16" Pitless Unit w/ 5' buoy				

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

**Casing grouted?** (yes  no  Placement method Tremie pipe

Type	Depth Top	Depth bottom	Amount (vol/wt)
Bentonite Seal	27	37	.8 yd <sup>3</sup>
Neat Cement	8	27	1.6 yd <sup>3</sup>

**Well screen?** (yes  no   

Diameter	Slot size	Depth Top	Depth Bottom	Length	Material
16	0.025	42'	62'	20'	S.S.
	0.---				

Bottom capped (yes  no  with S.S. Plate  
 Seals / Packers (yes  no  kind \_\_\_\_\_ depth \_\_\_\_\_ ft  
 Gravel packed (yes  no  from 37 ft to 62 ft  
 type NCC #2 amount 4 Ton

**Well developed?** (yes  no   
 Explain Surge + bail, step tested w/ pump  
 (pumped, airlifted, bailed) for 8 hrs at Various GPM.

**Pump installed?** (yes  no  Date 9/19/02  
 Installer's name Kelley  
 Type of pump Submersible turbine Depth to intake 52 ft  
 Pump diameter 7 Rated capacity 350 GPM

**Water information** Aquifer:  sand / gravel  limestone  sandstone  
 Main water-supply zone from 42 ft to 62 ft  seepage well  
 Static water level 25 ft (below above) GL;  tape  airline  E-line  estimate  
 Pumping water level 40 ft below GL;  tape  airline  E-line  estimate  
 At yield of 377 GPM;  orifice  volumetric  estimate  
 Measurements taken at 8:00 (AM  PM  Date 6/26/02

**Water quality test?** (yes  no  Date tested 6/27/02  
 Tested by D. Mohr

Contractor Layne-Western  
 Address 5600 Gateway Drive, Suite B, Grimes IA 5011  
 Driller A. Sherman Certification no. 40647