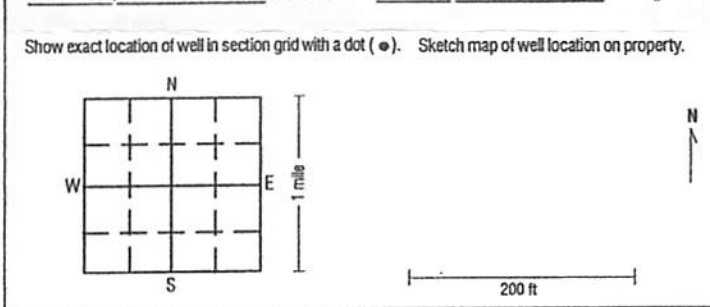


**Site identification**  
 Property Owner Jeff Freking Other ID \_\_\_\_\_  
 Address 32376 Pioneer Ave  
 Tenant Kingsley, Ia  
 Well Depth 230 ft Date completed 8/31/2012

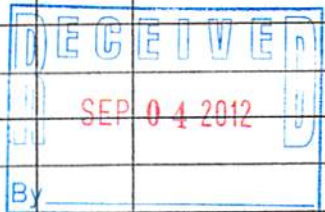
**Location** County plymouth  
 \_\_\_\_\_ mi. N and \_\_\_\_\_ mi. E of intersection of \_\_\_\_\_ and \_\_\_\_\_  
 \_\_\_\_\_ 1/4 of the \_\_\_\_\_ 1/4 of the \_\_\_\_\_ 1/4 of \_\_\_\_\_ Sec \_\_\_\_\_ TWP \_\_\_\_\_ RNG \_\_\_\_\_ E  
 W  
 GPS Coordinates (NAD83 datum only) decimal degrees:  
 \_\_\_\_\_ N. Latitude \_\_\_\_\_ W. Longitude.



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

**Formation log**

From	To	Color	Hardness	Formation description
0	40	yellow	soft	clay
40	60	Brown	soft	Sand + some pebbles
60	80	Blk	soft	Blue Clay + Shale
80	90	Blk	Hard	Blk Clay + Shale
90	150	Red/Brown	Hard	Red Brn Clay/Shale
150	175	Blk	Hard	Blk Shale, Sand/Clay



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

**Well use**

<input checked="" type="checkbox"/> Domestic	<input type="checkbox"/> Heat pump	<input type="checkbox"/> Commercial
<input type="checkbox"/> Livestock	<input type="checkbox"/> Municipal	<input type="checkbox"/> Monitoring
<input type="checkbox"/> Test well	<input type="checkbox"/> Public supply	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Irrigation	

**Drill method**  rotary  auger  cable  other \_\_\_\_\_

**Hole size**  
9 inch from 0 ft to 230 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)
5"	PRC-21	-6	-210	204

**Perforated or slotted casing?** (yes/no) \_\_\_\_\_  
 Perforated / slotted from -210 ft to -230 ft  
 Perforated / slotted from \_\_\_\_\_ ft to \_\_\_\_\_ ft

**Casing grouted?** (yes/no) \_\_\_\_\_ Placement method Ch'OS

Type	Depth top	Depth bottom	Amount (vol/wt)
Bentonite	-10	-20	300 lbs

**Well screen?** (yes/no) \_\_\_\_\_

Diameter	Slot size	Depth top	Depth bottom	Length	Material
5"	0.18	-210	-230	20'	PVC

Bottom capped (yes/no) \_\_\_\_\_ with \_\_\_\_\_  
 Seals / Packers (yes/no) \_\_\_\_\_ kind \_\_\_\_\_ depth \_\_\_\_\_ ft  
 Gravel packed (yes/no) \_\_\_\_\_ from -10 ft to -230 ft  
 type perc Gravel amount 246

**Well developed?** (yes/no) \_\_\_\_\_  
 Explain Building  
 (pumped, airlifted, bailed) for 24 hrs at 20 GPM

**Pump installed?** (yes/no) \_\_\_\_\_ Date 8/31/12  
 Installer's name Dennis Walsh  
 Type of pump Grundfos Depth to intake 180 ft  
 Pump diameter 3" Rated capacity 15 GPM

**Water information** Aquifer:  sand / gravel  limestone  sandstone  
 Main water-supply zone from -210 ft to -230 ft  seepage well  
 Static water level 105 ft (below / above) GL;  tape  airline  E-line  estimate  
 Pumping water level 157 ft below GL;  tape  airline  E-line  estimate  
 At yield of 20 GPM;  orifice  volumetric  estimate for 24 hours  
 Measurements taken at 3:30 (AM / PM) Date 8/30/12

**Water quality test?** (yes/no) \_\_\_\_\_ Date tested \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
 Tested by \_\_\_\_\_

Contractor Sixxland Well Co TMC  
 Address Iowa City, Ia  
 Driller Dennis Walsh Certification no. 5683