

**Site identification**  
 Property Owner Clay Regional Water Other ID Well #8  
 Address 1301 38th Street, Spencer, IA 51301  
 Tenant Clay Regional Water  
 Well Depth 42 ft Date completed 02 / 08 / 06

**Location** County Clay  
1/16 mi N and 1/16 mi E of intersection of 290th St and 160th Ave.  
SW 1/4 of the SW 1/4 of the SW 1/4 of Sec 7 TWP 97 RNG 37 E W  
 GPS Coordinates (NAD83 datum only) decimal degrees:  
 \_\_\_\_\_ N. Latitude \_\_\_\_\_ W. Longitude.  
 Show exact location of well in section grid with a dot (•). Sketch map of well location on property.

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

**Formation log**

From	To	Color	Hardness	Formation description
0	4	Black		Topsoil
4	16	Gray		Med/Coarse sand-gravel
16	27	Gray		Medium sand
27	32	Gray		Coarse sand
32	42	Gray		Medium sand
42	43	Gray		Clay

use additional sheets as needed

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

**Well use**

<input 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 checked="" type="checkbox"/> Public supply	<input type="checkbox"/> Other <u>Rural Water</u>
	<input type="checkbox"/> Irrigation	System _____

**Drill method**  rotary  auger  cable other Reverse  
**Hole size**  
20 inch from 0 ft to 43 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)
12"	0.375"	3'	32'	35'

**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

Type	Depth top	Depth bottom	Amount (vol/wt)
Neat Cement	5'	15'	1 cyd

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

Diameter	Slot size	Depth top	Depth bottom	Length	Material
12"	0.100	32'	42'	10'	SST

Bottom capped (yes/no)  with SST Plate Attached  
 Seals / Packers (yes/no)  kind Bentonite depth 19-20 ft  
 Gravel packed (yes/no)  from 20 ft to 43 ft  
 type Northern #3 amount 4 Tons

**Well developed?** (yes/no)   
 Explain Surge block, bailer, rawhiding  
 pumped,  airlifted,  bailed for 4 hrs at 500 GPM

**Pump installed?** (yes/no)  Date 08 / 23 / 06  
 Installer's name Rodney Ray  
 Type of pump Submersible Depth to intake 35 ft  
 Pump diameter 8" Rated capacity 600 GPM

**Water information** Aquifer:  sand / gravel  limestone  sandstone  
 Main water-supply zone from 9 ft to 42 ft  seepage well  
 Static water level 9.3 ft (below/above) GL;  tape  airline  E-line  estimate  
 Pumping water level 26.7 ft below GL;  tape  airline  E-line  estimate  
 At yield of 850 GPM;  orifice  volumetric  estimate for 72 hours  
 Measurements taken at 9 : 55 (AM/PM) Date 03 / 10 / 06

**Water quality test?** (yes/no)  Date tested 03 / 10 / 06  
 Tested by Clay Regional Water Association

Contractor Layne-Western  
 Address 5600 Gateway Drive, Suite B, Grimes, IA  
 Driller Duane Trask Certification no. 5509