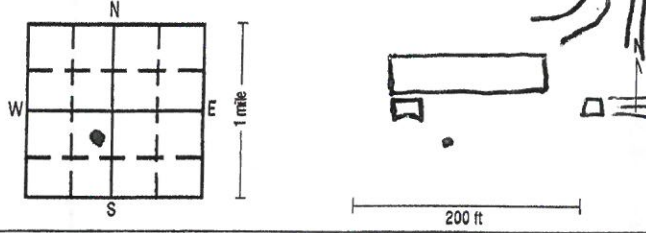


*Lulu's*

**Site identification**  
 Property Owner: Joe Keith, Sarah Croft  
 Address: 2327 Jefferson Rd, Manchester  
 Tenant: \_\_\_\_\_  
 Well Depth: 113 ft Date completed: 9/8/10

**Location** County: Delaware  
 \_\_\_\_\_ mi. N and \_\_\_\_\_ mi. E of intersection of \_\_\_\_\_ and \_\_\_\_\_  
 \_\_\_\_\_ mi. S and \_\_\_\_\_ mi. W  
 \_\_\_\_\_ 1/4 of the \_\_\_\_\_ 1/4 of the \_\_\_\_\_ 1/4 of Sec \_\_\_\_\_ TWP \_\_\_\_\_ RNG \_\_\_\_\_  
 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    | 24  |        |          | Sand                  |
| 24   | 29  | orange |          | Coarse limestone      |
| 29   | 45  | brassy |          | limestone             |
| 45   | 54  | tan    |          | limestone             |
| 54   | 65  | grey   |          | limestone             |
| 65   | 98  | white  |          | limestone             |
| 98   | 113 | grey   |          | limestone             |
|      |     |        |          | shale                 |

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 \_\_\_\_\_  
**Hole size**  
 13 3/4 inch from 0 ft to 24 ft 5 7/8 inch from 68 ft to 113 ft  
 9 7/8 inch from 24 ft to 68 ft \_\_\_\_\_ inch from \_\_\_\_\_ ft to \_\_\_\_\_ ft

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

**Casing** Drive shoe (yes/no) \_\_\_\_\_ Pileless adapter (yes/no) \_\_\_\_\_

| Size (ID/OD) | Type / Wt | Depth top | Depth bottom | Amount (length) |
|--------------|-----------|-----------|--------------|-----------------|
| 6.9          | SDR17     | 48        | 68           | 71'             |

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

**Casing grouted?** (yes/no) Placement method: groutline

| Type   | Depth Top | Depth bottom | Amount (vol/wt) |
|--------|-----------|--------------|-----------------|
| Burial | 0         | 68           | 10 sacks        |

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

| Diameter | Slot size | Depth Top | Depth Bottom | Length | Material |
|----------|-----------|-----------|--------------|--------|----------|
|          | 0. _____  |           |              |        |          |
|          | 0. _____  |           |              |        |          |

Bottom capped (yes/no) with \_\_\_\_\_  
 Seals / Packers (yes/no) Kind \_\_\_\_\_ depth \_\_\_\_\_ ft  
 Gravel packed (yes/no) from \_\_\_\_\_ ft to \_\_\_\_\_ ft  
 type \_\_\_\_\_ amount \_\_\_\_\_

**Well developed?** (yes/no)  
 Explain: 20 gpm @ 100'  
 (pumped, airlifted, bailed) for 1 hrs at 50 GPM.

**Pump installed?** (yes/no) Date \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
 Installer's name \_\_\_\_\_  
 Type of pump \_\_\_\_\_ Depth to intake \_\_\_\_\_ ft  
 Pump diameter \_\_\_\_\_ Rated capacity \_\_\_\_\_ GPM

**Water information** Aquifer:  sand / gravel  limestone  sandstone  
 Main water-supply zone from 95 ft to 113 ft  seepage well  
 Static water level 30 ft (below / above) GL;  tape  airlift  E-line  estimate  
 Pumping water level 100 ft below GL;  tape  airlift  E-line  estimate  
 At yield of 20 GPM;  orifice  volumetric  estimate  
 Measurements taken at \_\_\_\_\_; \_\_\_\_\_ (AM / PM) Date \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

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

Contractor: Das's Well Drilling  
 Address: Manchester, IA 52057  
 Driller: [Signature] Certification no. 10714