

**Site identification**  
 Property Owner Marion Witzenburg Well Number \_\_\_\_\_  
 Address Box 182, 8919 Hochberry St,  
 Tenant Dunkerton  
 Well Depth 230 ft Date completed 7/12/99

**Location** County Black Hawk  
 \_\_\_\_\_ 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 the \_\_\_\_\_  
 Sec 20+29 TWP 90 RNG 11 E W  
 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'	5'	Brown		Clay
5'	13'			Sand
13'	20'	Brown		Clay
20'	125'	Blue		Clay
125'	153'		Coarse	Sand
153'	230'			Limerock
230'				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**  
12 1/4 inch from 0 ft to 165 ft hole size continued \_\_\_\_\_ inch from \_\_\_\_\_ ft to \_\_\_\_\_ ft  
6 3/8 inch from 165 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)
7"	Steel	+2'	165'	167'

**Perforated or slotted casing?** (yes/no)

Perforated / slotted from \_\_\_\_\_ ft to \_\_\_\_\_ ft  
 Perforated / slotted from \_\_\_\_\_ ft to \_\_\_\_\_ ft

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

Type	Depth Top	Depth bottom	Amount (vol/wt)
Neat Cement	0'	165'	86 sacks
Holeplug			4 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 Air Lift: 20 GPM at 140', 30 GPM at 220'  
 (pumped, airlifted, bailed) for \_\_\_\_\_ hrs at \_\_\_\_\_ 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 \_\_\_\_\_ ft to \_\_\_\_\_ ft  seepage well  
 Static water level 58 ft (below/above) GL;  tape  airline  E-line  estimate  
 Pumping water level 145 ft below GL;  tape  airline  E-line  estimate  
 At yield of 25 GPM;  orifice  volumetric  estimate  
 Measurements taken at \_\_\_\_\_: \_\_\_\_\_ (AM/PM) Date \_\_\_\_/\_\_\_\_/\_\_\_\_

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

Contractor Shawver Well Company, Inc.  
 Address Frederickburg, IA 50630  
 Driller Jim Bunting Certification no. 40121