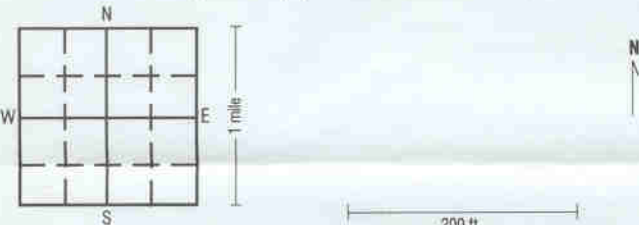


**Site identification**  
 Property Owner City of Villisca Well Number \_\_\_\_\_  
 Address \_\_\_\_\_  
 Tenant \_\_\_\_\_  
 Well Depth 46 ft Date completed 6/19/02

**Location** County Montgomery  
 \_\_\_\_\_ mi. <sup>N</sup> and \_\_\_\_\_ mi. <sup>E</sup> of intersection of \_\_\_\_\_ and \_\_\_\_\_  
 \_\_\_\_\_ 1/4 of the \_\_\_\_\_ 1/4 of the \_\_\_\_\_ 1/4 of Sec 21 TWP 71 RNG 36 <sup>E</sup>  
 Show exact location of well in section grid with a dot (•). Sketch map of well location on property.  
  
 upland  hillside  valley Elevation (if known) \_\_\_\_\_

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

**Formation log**

From	To	Color	Hardness	Formation description
0	1			Topsoil
1	10	Brown		Clay with Sand lens
10	13	Green-Gray		Clay
13	21			Sand, fine to med.
21	31	Gray		Clay
31	40			Sand, fine
40	45			Sand + gravel
45	47	Gray	Hard	Clay

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**  
30 inch from 0 ft to 46 ft hole size continued \_\_\_\_\_ inch from \_\_\_\_\_ ft to \_\_\_\_\_ ft  
 \_\_\_\_\_ 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" OD	sch40 Rk	4'	36'	32'

**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)
Bentonite	5'	11'	500 lbs
Bentonite	21'	25'	600 lbs

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

Diameter	Slot size	Depth Top	Depth Bottom	Length	Material
16"	0.050	36'	46'	10'	PVC

Bottom capped (yes/no)  with 16" PVC cap  
 Seals / Packers (yes/no)  kind \_\_\_\_\_ depth \_\_\_\_\_ ft  
 Gravel packed (yes/no)  from 25 ft to 46 ft  
 type Redmix amount 39 tyds

**Well developed?** (yes/no)   
 Explain \_\_\_\_\_  
 (pumped, airlifted, bailed) for 5 hrs at 44 GPM.

**Pump installed?** (yes/no)  Date 7/9/02  
 Installer's name Vic Hansen  
 Type of pump Grundfos sub Depth to intake 40 ft  
 Pump diameter 6" Rated capacity 85 GPM

**Water information** Aquifer:  sand / gravel  limestone  sandstone  
 Main water-supply zone from 31 ft to 45 ft  seepage well  
 Static water level 24 ft (below/above) GL;  tape  airline  E-line  estimate  
 Pumping water level 31 ft below GL;  tape  airline  E-line  estimate  
 At yield of 44 GPM;  orifice  volumetric  estimate  
 Measurements taken at 3:00 (AM/PM) Date 6/19/02

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

Contractor Jensen Well Company  
 Address 767 Iowa St Blair NE  
 Driller Vic Hansen Certification no. 40548