

**Site Identification**  
 Property Owner Kossuth Co Conservation Well Number \_\_\_\_\_  
 Address \_\_\_\_\_  
 Tenant Smith Lake  
 Well Depth 150 ft Date Completed 5/15/96

**Location** County Kossuth  
2.2 mi. <sup>N</sup> and 1.0 mi. <sup>E</sup> of intersection of Highway 18 and 169  
SE 1/4 of the SE 1/4 of the NW 1/4 of Sec 23 TWP 96 RNG 29 <sup>E</sup> <sub>W</sub>  
 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	blk	S	topsoil
5	13	YEL	"	Clay
13	46	Blue	"	"
46	48	gray	"	gravel
48	97	org	"	Clay
97	110	gray	"	Sand + gravel
110	134	brn	"	sand
134	150	white	"	Coarse sand
150	151	red	M+H	Clay

use additional sheets as needed

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

**Well use**  
 Domestic  Municipal  Industrial  
 Livestock  Public Supply  Monitoring  
 Test Well  Irrigation  Other \_\_\_\_\_ (explain)

**Drill method**  rotary  auger  cable other \_\_\_\_\_  
**Hoje size** 9 7/8 inch from 0 ft to 151 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) \_\_\_\_\_ Pitloss adaptor (yes/no) \_\_\_\_\_

Size (ID/DD)	Type / Wt	Depth top	Depth bottom	Amount (length)
6"	Pvc 250	+2	151	153

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

**Casing grouted?** (yes/no) yes

Type	Depth Top	Depth Bottom	Amount
Benseal	0	135	13 bags

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

Diameter	Slot size	Depth Top	Depth Bottom	Length	Material
6" ID	.025	145	150	5'	SS

Bottom capped (yes/no) yes with \_\_\_\_\_  
 Seals / Packers (yes/no) no kind \_\_\_\_\_ depth \_\_\_\_\_ ft  
 Gravel packed (yes/no) yes from 135 ft to 150 ft  
 type 2040 amount 600#

**Well developed?** (yes/no) yes  
 Explain air lift 50 gpm

**Pump installed?** (yes/no) yes Date 1/1/  
 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 135 ft to 150 ft  
 Final water level (static water level) 46 ft (below/above) GL.  
 Pumping water level 100 ft below GL;  tape  airline  E-line  
 At yield of 40 GPM;  orifice  volumetric  estimate Date \_\_\_\_\_

**Water quality test?** (yes/no) no Date tested 1/1/  
 Tested by \_\_\_\_\_  
 Test results \_\_\_\_\_

Contractor Schumacher Well Drilling  
 Address 2201 Stage Dr  
 Driller Jim Schumacher Certification no. CD40097