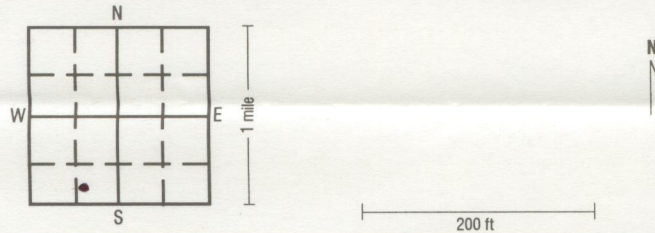


Site identification
 Property Owner Rural Water System #1 Well Number S-7
 Address 4438 380th St. Hospers, IA 51238
 Tenant _____
 Well Depth 242 ft Date completed 9/1/00

Location County Sioux
1/10 mi. ^N and 3/4 mi. ^E of intersection of B46 and Hwy 75
1/4 of the SE 1/4 of the SW 1/4 of Sec 17 TWP 95 RNG 45 ^E
 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			Black Top Soil
5	10			Brown Clay
10	12			Sand
12	20			Grey Clay w/ sand
20	80			Grey Clay w/ Rocks
80	125			Grey Clay
125	127			White Hard Ledge
127	165			Hard Grey Clay
165	175			Fine Sand
175	230			Fine to Coarse sand w/ gravel
230	245			Gravel w/ boulders
245	+			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"/> Municipal	<input type="checkbox"/> Commercial
<input type="checkbox"/> Livestock	<input checked="" type="checkbox"/> Public supply	<input type="checkbox"/> Monitoring
<input type="checkbox"/> Test well	<input type="checkbox"/> Irrigation	<input type="checkbox"/> Other _____

(explain)

Drill method rotary auger cable other Reverse
Hole size hole size continued
24 inch from 0 ft to 242 ft _____ 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)
12	49.56	+1.5	217	218.5

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	7	175	15 yd ³

Well screen? (yes no)

Diameter	Slot size	Depth Top	Depth Bottom	Length	Material
12"	0.040	217	242	25	S.S.
	0.____				

Bottom capped (yes no) with Stainless Steel Plate
 Seals / Packers (yes / no) kind _____ depth _____ ft
 Gravel packed (yes no) from 175 ft to 242 ft
 type #0 Coarse amount 6 yd³

Well developed? (yes no)
 Explain surge + bail
 (pumped, airlifted, bailed) for _____ hrs at _____ GPM.

Pump installed? (yes no) Date 9/1/00
 Installer's name Kevin Anderson
 Type of pump Submersible Turbine Depth to intake 213 ft
 Pump diameter 7" Rated capacity 375 GPM

Water information Aquifer: sand / gravel limestone sandstone
 Main water-supply zone from 175 ft to 242 ft seepage well
 Static water level 175 ft (below / above) GL; tape airline E-line estimate
 Pumping water level 207 ft below GL; tape airline E-line estimate
 At yield of 530 GPM; orifice volumetric estimate
 Measurements taken at _____ : _____ (AM / PM) Date 6/14/00

Water quality test? (yes no) Date tested _____ / _____ / _____
 Tested by Hygenic Lab

Contractor Layne-Western
 Address 1621 NE 51st Ave Des Moines 50313
 Driller T. Correll Certification no. 40538