

WELL RECORD

Permit No. _____

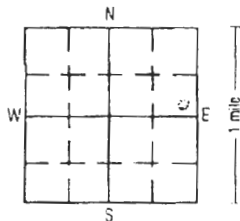
Iowa Department of Natural Resources Geological Survey Bureau
109 Trowbridge Hall, Iowa City, IA 52242-1319 PH (319) 335-1575

Site identification

Property Owner City of Quimby Well Number #3
 Address Quimby, IA
 Tenant _____
 Well Depth 280 ft Date completed 7/20/05

Location

County Cherokee
Block 10 and Block 10 of intersection of HWY 31 and LSI
SE 1/4 of the SE 1/4 of the NE 1/4 of Sec 11 TWP 90 RNG 41 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	8	Yellow		Sand Topsoil
8	54	"		Gravel
54	79			Blue Clay
79	83			Green Clay
83	103			Blue Green Clay
103	117			Fine Yellow Sand
117	121			Blue Shale
121	169	White		Sandstone
169	191			Blue Shale
191	229	White		Sandstone
229	230			Blue Shale
230	238	White		Sandstone
238	242			White Shale
242	280	White		Good Sandstone
280	281			Sandstone
281				Blue Shale

use additional sheets as needed

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

60' Surface Casing in - Pull & Back 20'

Well use

- ☐ Domestic ☒ Municipal ☐ Commercial
☐ Livestock ☐ Public supply ☐ Monitoring
☐ Test well ☐ Irrigation ☐ Other _____

(explain)

Drill method

☒ rotary ☐ auger ☐ cable ☐ other _____

Hole size

Hole size continued
17 1/2 inch from 0 ft to 60 ft
13 inch from 60 ft to 280 ft

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

Casing

Size (ID/OD)	Type / WT	Depth top	Depth bottom	Amount (length)
10"	Steel	2'	6'	7'-6"
8"	PVC/200	6'	95'	89'
8"	PVC/250	95'	250'	155'
8"	Sch 80 15 Gray Pipe			

Perforated or slotted casing? (yes/no)

Perforated / slotted from _____ ft to _____ ft
 Perforated / slotted from _____ ft to _____ ft

Casing grouted? (yes/no)

Type	Depth Top	Depth bottom	Amount (vol/wt)
Ben-Seal Surface		235'	960 gallons

Well screen? (yes/no)

Diameter	Slot size	Depth Top	Depth Bottom	Length	Material
8" P.S.	0.018	250'	280'	30'-6"	Stainless Steel

Bottom capped (yes/no)

with Plate Bottom
 Seals / Packers (yes/no) kind _____ depth _____ ft
 Gravel packed (yes/no) from 235 ft to 280 ft
 type 65 silica amount 2500 #

Well developed? (yes/no)

Explain Jetted, Airlifted & Pumped
 (pumped / airlifted / bailed) for 9 hrs at 250 GPM.

Pump installed? (yes/no)

Date 7/20/05
 Installer's name Truesdrill Pump Service
 Type of pump Submersible Depth to intake 94 ft
 Pump diameter 6" Rated capacity 200 GPM

Water information

Aquifer: ☐ sand / gravel ☐ limestone ☒ sandstone
 Main water-supply zone from 240 ft to 280 ft ☐ seepage well
 Static water level 46 ft (below / above) GL. ☐ tape ☐ airline ☒ E-line ☐ estimate
 Pumping water level 82 ft below GL; ☐ tape ☐ airline ☒ E-line ☐ estimate
 At yield of 250 GPM; ☐ orifice ☒ volumetric ☐ estimate
 Measurements taken at 10:00 (AM / PM) Date 6/25/05

Water quality test? (yes/no)

Date tested 7/19/05
 Tested by Mangold Envir. Testing - Storm Lake, IA

Contractor

Middendorf Well Co Inc
 Address Sioux Rapids, IA
 Driller Mike Strand & Randy Certification no. 5350

CITY OF QUIMBY

712-445-2319

FAX 712-445-2688

FAX COVER PAGE

DATE: September 16, 2009

TO: Bob Rowden 319-335-2754

FROM: Linda Sones

NUMBER OF PAGES INCLUDING COVER PAGE: 2

Well record for well #3 in Quimby.