

Site identification

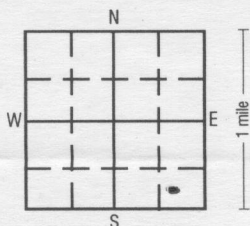
Property Owner City of Mitchellville Well Number 4
Address 110 2nd St. N.E., Mitchellville, Iowa, 50169
Tenant _____
Well Depth 50 ft Date completed 02/10/06

Location

County Jasper

_____ mi. ^N and _____ mi. ^E of intersection of _____ and _____
SW 1/4 of the SE 1/4 of the SE 1/4 of Sec 5 TWP 79N RNG 21W ^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'	1'			Topsoil
1'	5'	Brown		Sandy Clay
5'	24'	Brown		Fine Sand
24'	32'	Brown		Fine-Medium Sand
32'	48'			Sand + Gravel w/ Cobbles
48'	50'	Gray		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

36 inch from 0 ft to 50 ft
_____ inch from _____ ft to _____ ft

hole size continued

_____ 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)
<u>12" I.D. A53; 50 lb/ft</u>	<u>+6' 2"</u>	<u>30'</u>	<u>36' 2"</u>	

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)
<u>Bentonite</u>	<u>0</u>	<u>5</u>	<u>3400 lbs</u>
<u>Cement</u>	<u>5</u>	<u>15</u>	<u>30 sack mix</u>

Well screen? (yes/no) ☒

Diameter	Slot size	Depth Top	Depth Bottom	Length	Material
<u>12"</u>	<u>0.100</u>	<u>30'</u>	<u>50'</u>	<u>20'</u>	<u>304 Stainless Steel</u>
	<u>0.____</u>				

Bottom capped (yes/no) ☒ with Stainless Steel Plate
Seals / Packers (yes/no) ☒ kind _____ depth _____ ft
Gravel packed (yes/no) ☒ from 15' ft to 50' ft
type 1/4 x 1/8 Gravel Pack amount 10 tons
3 Gravel Pack amount 2 tons

Well developed? (yes/no) ☒

Explain Airlifted, pumped
(pumped, airlifted, bailed) for 24 hrs at 400 GPM.

Pump installed? (yes/no) ☒

Date 6/28/06

Installer's name Cahoy Pump Service - Jeff
Type of pump Submersible Depth to intake 49' ft
Pump diameter 6" Rated capacity 250 GPM

Water information

Aquifer: ☒ sand / gravel ☐ limestone ☐ sandstone

Main water-supply zone from 30 ft to 50 ft ☐ seepage well
Static water level 11 ft (below / above) GL; ☐ tape ☐ airline ☒ E-line ☐ estimate
Pumping water level 16.7 ft below GL; ☐ tape ☐ airline ☒ E-line ☐ estimate
At yield of 400 GPM; ☐ orifice ☐ volumetric ☐ estimate
Measurements taken at 5:00 (AM/PM) ☒ Date 02/14/06

Water quality test? (yes/no)

Date tested ____ / ____ / ____

Tested by _____

Contractor Cahoy Well and Pump Service

Address 411 E. Main St., Fredericksburg, Iowa 50630

Driller Mark Evans Certification no. 2392