

66428

WELL RECORD

PWTS Permit No. _____

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

PWTS Well No. _____

County Permit No. _____

Site identification

Property Owner Council Bluffs City Water Works Other ID well # 08-5
 Address 2000 North 25th St, Council Bluffs, Iowa
 Tenant N/A
 Well Depth 99 ft Date completed 1/6/09

Location

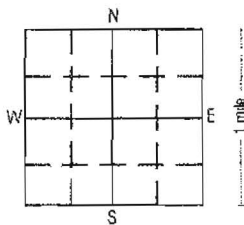
County Pottawattamie

_____ mi. N and _____ mi. E of intersection of _____ and _____
 _____ 1/4 of the _____ 1/4 of the _____ 1/4 of the _____ Sec _____ TWP _____ RNG _____ E _____ W _____

GPS Coordinates (NAD83 datum only) decimal degrees:

41.190200 N. Latitude 95.877850 W. Longitude

Show exact location of well in section grid with a dot (•). Sketch map of well location on property.


☐ upland ☐ hillside ☐ valley ☒ level surface Elevation (if known) _____

Formation log

From	To	Color	Hardness	Formation description
0	20			Fine silty sand
20	21			Fine silty sand with gray clay streaks
21	35			Fine silty sand
35	50			Fine to medium sand with gravel and clay streaks
50	55			Medium sand + gravel; clay streaks + coal seams
55	60			Medium sand with coal streaks
60	75			Medium sand
75	85			Medium sand + gravel; coal and gravel
85	100			Medium to coarse sand and gravel
100				Limestone

use additional sheets as needed

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

Well use

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

Drill method

☐ rotary ☐ auger ☐ cable other Reverse Rotary

Hole size

hole size continued

36 inch from 0 ft to 100 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) (no)Pitless adapter (yes/no) (no)

Size (ID/OD)	Type / WA	Depth top	Depth bottom	Amount (length)
<u>24" 0-0</u>	<u>A-53 500 weld</u>	<u>+3</u>	<u>64</u>	<u>67</u>

Perforated or slotted casing? (yes/no) (no)

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

Casing grouted? (yes/no) (yes)Placement method Tremie

Type	Depth top	Depth bottom	Amount (vol/wt)
<u>Neat cement</u>	<u>0</u>	<u>20</u>	
<u>Bestcote seal</u>	<u>20</u>	<u>30</u>	<u>48 bags</u>

Well screen? (yes/no) (yes)

Diameter	Slot size	Depth top	Depth bottom	Length	Material
<u>24"</u>	<u>0.100</u>	<u>64</u>	<u>99</u>	<u>35</u>	<u>Stainless steel</u>

Bottom capped (yes/no) (yes) with Stainless steel plateSeals / Packers (yes/no) (yes) kind _____ depth _____ ft

Gravel packed (yes/no) (yes) from 30 ft to 99 ft
 type Red Flint #90 amount 40,000 lbs.

Well developed? (yes/no) (yes)Explain Test pumped(pumped) (airlifted, bailed) for 73 hrs at 1609 GPMPump installed? (yes/no) (yes)

Date _____ / _____ / _____

Installer's name _____

Type of pump _____ Depth to intake _____ ft

Pump diameter _____ Rated capacity _____ GPM

Water information

Aquifer: ☒ sand / gravel ☐ limestone ☐ sandstoneMain water-supply zone from 64 ft to 99 ft ☐ seepage wellStatic water level 16 ft (below/above) GL: ☐ tape ☐ airline ☒ E-line ☐ estimatePumping water level 51 ft below GL ☐ tape ☒ airline ☐ E-line ☐ estimateAt yield of 1609 GPM: ☒ orifice ☐ volumetric ☐ estimate for 73 hoursMeasurements taken at 9:00 (AM/PM) Date 1/29/09Water quality test? (yes/no) (yes)Date tested 1/29/09Tested by Council Bluffs Water WorksContractor Cahoy Pump Service, Inc.Address 411 E. Main St, Frederickburg, Iowa 50630Driller Tony Thein Certification no. 8294