WELL RECORD 63902

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 City of Glidden, Iowa Other ID Well #8
Address 108 Idaho St.; P.O. Box 349; Glidden, Iowa 51443
Tenant N/A
Well Depth 170 ft Date completed 5 / 3 / 07

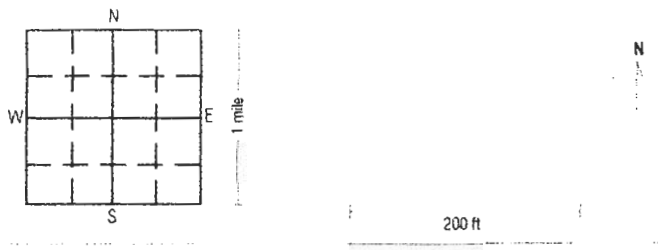
Location

County Carroll

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

GPS Coordinates (NAD83 datum only) decimal degrees:
42° 03.641 N. Latitude 94° 44.105 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	5	Brown		Topsoil + till
5	10	Brown		Silty clay w/ sand + gravel
10	40	Gray		Clay w/ sand + gravel
40	60	Brown		Clay w/ sand + gravel
60	95	Gray		Clay w/ sand + gravel
95	100	Yellow		Clay w/ sand + gravel
100	105	Gray		Clay w/ sand + gravel
105	110	Gray		Sand + gravel w/ clay streaks
110	115	Gray		Clay w/ sand + gravel
115	130	Brown		Clay w/ sand + gravel
130	140	Gray		Clay w/ sand + gravel
140	150	Yellow		Clay, sandstone, gravel
150	160	Gray		Sandstone, clay, gravel
160	170	Gray		Sandstone, sand, gravel
170	172	Gray		Shale

use additional sheets as needed

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

Well use

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

Drill method

☒ rotary ☐ auger ☐ cable other _____

Hole size

17.5 inch from 0 ft to 172 ft
_____ inch from _____ ft to _____ 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)
10" I.D.		+2	140	142

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 pipe

Type	Depth top	Depth bottom	Amount (vol/wt)
Neat Cement	6	114	80 sacks
Bentonite Seal	114	125	17 Sacks

Well screen? (yes no)

Diameter	Slot size	Depth top	Depth bottom	Length	Material
10"	0.020	140	170	30	304 Stainless Steel
	0.___				

Bottom capped (yes no) with Stainless Steel Plate
Seals / Packers (yes no) kind _____ depth _____ ft
Gravel packed (yes no) from 125 ft to 170 ft
type Red Flint #20 amount 5,000 lbs.

Well developed? (yes no)

Explain Airlifted for 5 hours
(pumped airlifted bailed) for 5 hrs at 90 GPM

Pump installed? (yes no)

Date 6 / 11 / 07
Installer's name Cahoy Pump Service, Inc.
Type of pump Submersible Depth to intake 142 ft
Pump diameter 6" Rated capacity 100 GPM

Water information

Aquifer: ☐ sand / gravel ☐ limestone ☒ sandstone
Main water-supply zone from 140 ft to 170 ft ☐ seepage well
Static water level 78 ft (below above) GL: ☐ tape ☒ airline ☐ E-line ☐ estimate
Pumping water level 136 ft below GL: ☐ tape ☒ airline ☐ E-line ☐ estimate
At yield of 100 GPM: ☐ orifice ☐ volumetric ☐ estimate for 6 1/2 hours
Measurements taken at 10:00 (AM PM) Date 5 / 9 / 07

Water quality test? (yes no)

Date tested 5 / 9 / 07
Tested by Cahoy Pump Service, Inc.

Contractor Cahoy Pump Service, Inc.
Address 411 E. Main St., Fredericksburg, Iowa 50630
Driller Mark Claassen Certification no. 1899

Send original form to: **Iowa Department of Natural Resources – Geological Survey**

Make photocopies for: **Well Contractor, Customer, and County Health Department**