PWSID 4254061

66733

WELL RECORD

PWTS Permit N _____

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

PWTS Well No.: _____

~~County~~ Permit No 2009-096W PUBLIC

Site Identification

Property Owner: HUBBARD, CITY OF WELL #4 Other ID: ____

Address 2XX S STATE ST, HUBBARD, IA 50122

Tenant _____

Well Depth: 540 ft Date Completed: 3/24/2009

Location

County HARDIN COUNTY

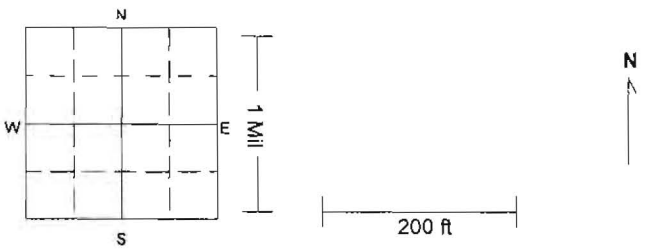
____mi. N/S and ____mi. E/W of intersection of _____ and _____

NW 1/4 of the NW 1/4 of the SW 1/4 of Sec 34 TW 87N RN 21 E/W

GPS Coordinateds (NAD83 datum only) decimal degrees.

_____ N. Latitude _____ W. Longitude.

Show exat location of well in section grid with a dot (+). sketch map of wall location on property



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

Formation log

From	To	Color	Hardness	Formation description
0	16	YELLOW		CLAY
16	130	BLUE		CLAY
130	138			SAND
138	171	BLUE		CLAY
171	175			SAND
175	176	BLUE		CLAY
176	181			SAND
181	260	BLUE		CLAY
260	264			SAND
264	297	BLUE		CLAY
297	338	TAN		LIMESTONE
338	347	GREY		SHALE
347	438	WHITE		LIMESTONE

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

Well use
☐ Domestic ☐ Livestock ☐ Test Well
☐ Heat Pump ☐ Municipal ☑ Public Supply ☐ Irrigation
☐ Commerical ☐ Monitoring ☐ Other _____

Drill method ☑ rotary ☐ auger ☐ cable other _____

Hole size

15	inch	from	0 ft	t	360 ft		inch	from	ft	t ft
9 7/8	inch	from	360 ft	t	540 ft		inch	from	ft	t ft

Casing Drive shoe (yes/no) Pitless adaptor (yes/no)

Size (ID/OD)	Type/ Wt	Depth top	Depth bottom	Amount (length)
10	STEEL SCH40	1	360	361

Perforated or slotted casing? ☐ Perforated casing ☐ Slotted casing

☐ Perforated ☐ Slotted from ft t ft

☐ Perforated ☐ Slotted from ft t ft

Casing grouted? ☑ Grouted Placement method: HALLIBURTON

Type	Depth top	Depth bottom	Amount (vol/wt)
CEMENT	0	360	250 SACKS

Well Screen? ☐ Screen

Diameter	Slot size	Depth top	Depth bottom	Lenght	Material

Bottom Capped ☐ with

Seals/Packers ☐ kind depth ft

Gravel packed ☐ from to ft

type amount

Well developed? ☑ Well Developed

Explain

☐ pumped ☑ airlifted ☐ bailed for 4 hrs at 500 GPM

Pump installed? ☐ Pump Installed Oate

Installer's Name

Type of Pump Depth to Intake ft

Pump diameter Rated Capacity GPM GPM

Water information ☐ Sand/gravel ☑ Limestone ☐ Sandstone

Main water-supply zone from 400 ft to 500 ft ☐ seepage well

Static water level ft (below/above) GL ☑ tap ☐ airline ☐ E-line ☐ estimate

Pump water level ft (below GL ☐ tape ☐ airline ☐ E-line ☑ estimate

At yield of GPM; ☐ Orifice ☐ Volumetric ☑ Estimate for hours

Measurement taken at Date

Water quality test? ☒ Date

Tested by

Contractor name GINGERICH WELL PUMP SERVICE, LLC

Adress 1331 HWY 1, KALONA, IA 52246

Driller KLINT GINGERICH Certification no. 2639

Send original form to Iowa Department of Natural Resouces-Geological Survey

Make photocopies for Well Contractor, and County Health Department