5/1/2010 Gingerich Well & Pump

WELL RECORD 72341

PWTS Permit N 20100109

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 _____

Site Identification

Property Owner: KINZE MFG OFFICE BLDG Other ID: _____

Address 2172 M AVENUE, WILLIAMSBURG, IA 52361

Tenant _____

Well Depth: 161 ft Date Completed: 3/26/2010

Location

County IOWA CO. ENVIRONMENTAL DIRECT

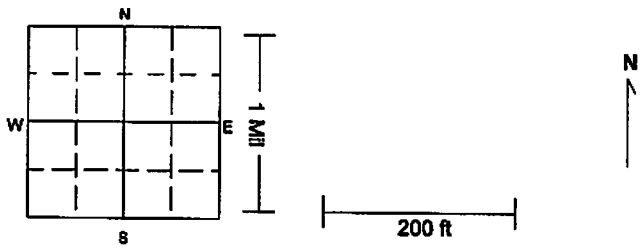
____mi. N/S and ____mi. E/W of intersection of _____ and _____

1/4 of the 1/4 of the 1/4 of Sec 31 TW 80N RN 10 E/W

GPS Coordinateds (NAD83 datum only) decimal degrees:

_____N. Latitude _____ 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	11	BROWN	SOFT	CLAY
11	143	GRAY	FIRM	CLAY
143	161	GRAY	FIRM	SAND
161				CLAY

Remarks (including depth of lost drilling fluids, materials, 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	161 ft		inch	from	ft	t	ft
	inch	from	ft	t	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)
8	STEEL	0	151	151

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: TRIMMIE

Type	Depth top	Depth bottom	Amount (vol/wt)
CEMENT	0	143	110 SACS

Well Screen? ☑ Screen

Diameter	Slot size	Depth top	Depth bottom	Lenght	Material
8	0.03	151	161	10	SS

Bottom Capped ☑ with SS
Seals/Packers ☐ kind depth ft
Gravel packed ☑ from 143 to 161 ft
type #2 amount 2000 LBS

Well developed? ☑ Well Developed
Explain
☐ pumped ☑ airlifted ☐ bailed for 12 hrs at 200 GPM

Pump installed? ☐ Pump Installed Date
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 151 ft to 161 ft ☐ seepage well
Static water level 96 ft (below/above) G ☐ tape ☐ airline ☐ E-line ☑ estimate
Pump water level 120 ft (below GL ☐ tape ☐ airline ☐ E-line ☑ estimate
At yield of 100 GPM: ☐ Orifice ☐ Volumetric ☑ Estimate for hours
Measurement taken at 3:00:00 PM Date

Water quality test? ☒ Date
Tested by

Contractor name GINGERICH WELL PUMP SERVICE, LLC
Adress 1331 HWY 1, KALONA, IA 52247
Driller CORWIN GINGERICH Certification no. 2638

Send original form t Iowa Department of Natural Resources-Geological Survey

Make photocopies for Well Contractor, and County Health Department