

66734

WELL RECORD

PWSID 4254061
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.:

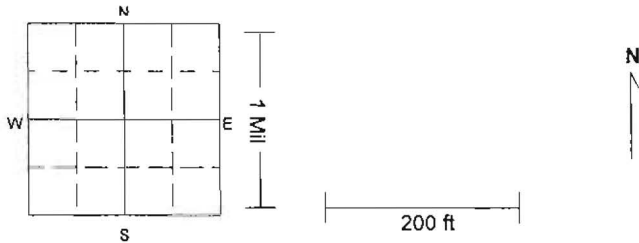
County Permit No 2009-096W PUBLIC

Site identification

Property Owner: HUBBARD, CITY OF WELL #5
Address 2XX S STATE ST, HUBBARD, IA 50122
Well Depth: 541 ft Date Completed: 3/3/2009

Location County HARDIN COUNTY
mi. N and mi. E 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 Coordinates (NAD83 datum only) decimal degrees.

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

Table with 5 columns: From, To, Color, Hardness, Formation description. Rows include Till, Clay, Clay w/Sand, Sand, Clay, Sand, Limestone, Shale Caving, Limestone, Limestone w/Chert.

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

Well use

- Heat Pump, Commercial, Domestic, Municipal, Monitoring, Livestock, Public Supply, Other, Test Well, Irrigation

Drill method rotary auger cable other

Hole size 15 inch from 0 ft to 317 ft 7 7/8 inch from 380 ft to 541 ft
9 7/8 inch from 317 ft to 380 ft

Casing table with columns: Size (ID/OD), Type/Wt, Depth top, Depth bottom, Amount (length). Rows for 10 and 8 inch casings.

Perforated or slotted casing? Perforated casing Slotted casing
Perforated Slotted from ft to ft
Perforated Slotted from ft to ft

Casing grouted? Grouted Placement method: HALLIBURTON
Table with columns: Type, Depth top, Depth bottom, Amount (vol/wt). Row for CEMENT.

Well Screen? Screen
Table with columns: Diameter, Slot size, Depth top, Depth bottom, Length, Material.

Bottom Capped with
Seals/Packers kind KPACKER depth 313 ft
Gravel packed from to ft
type amount

Well developed? Well Developed
Explain
pumped airlifted bailed for 3 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 400 ft to 500 ft seepage well
Static water level 78 ft (below/above) GL tap airline E-line estimate
Pump water level 260 ft (below GL) tape airline E-line estimate
At yield of 200 GPM; Orifice Volumetric Estimate for hours
Measurement taken at 9:00:00 PM Date 3/3/2009

Water quality test?
Tested by

Contractor name GINGERICH WELL PUMP SERVICE, LLC
Address 1331 HWY 1, KALONA, IA 52246
Driller KLINT GINGERICH Certification no. 2639