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WELL RECORD

PWTS Permit N

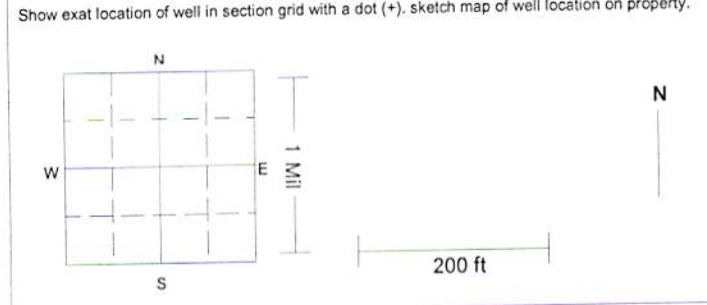
Iowa Department of Natural Resources Geological Survey Bureau
109 Trowbridge Hall Iowa City, Ia. 52242-1319 PH (319) 335-1575

PWTS Well No.:5

County Permit No PWSID#5842000

Site identification
Property Owner: GRANDVIEW CITY OF
Address N JEFFERSON ST, GRANDVIEW, IA 52752
Well Depth: 281 ft Date Completed: 8/12/2013

Location
County LOUISA COUNTY WELL COORDINATO
SW 1/4 of the SW 1/4 of the SE 1/4 of Sec 22 TW 75 RN 3W E W
GPS Coordinates (NAD83 datum only) decimal degrees:
41.27875 N. Latitude -91.185139 W. Longitude.



upland hillside valley level surface Elevation (if known)

Formation log table with columns: From, To, Color, Hardness, Formation description. Rows include CLAY, SANDY CLAY, SAND, and SAND & GRAVEL.



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

Well use
Domestic, Livestock, Test Well, Heat Pump, Municipal, Irrigation, Commercial, Monitoring, Other

Drill method rotary auger cable other
Hole size 17.125 inch from 0 ft to 281 ft

Casing table with columns: Size (ID/OD), Type/Wt, Depth top, Depth bottom, Amount (length). Row: 8 STEEL 0 261 261

Perforated or slotted casing?
Perforated Slotted from ft t ft

Casing grouted? Grouted Placement method: TRIMMIE
Table with columns: Type, Depth top, Depth bottom, Amount (vol/wt). Row: CEMENT 0 240 260 BAGS

Well Screen? Screen
Table with columns: Diameter, Slot size, Depth top, Depth bottom, Length, Material. Row: 8 0.04 261 281 20 STAINLESS STEEL

Bottom Capped with STAINLESS STEEL
Seals/Packers kind depth
Gravel packed from 240 to 281 ft type RED FLINT #40 amount 6000 LBS

Well developed? Well Developed
Explain WITH AIR & JET
pumped airlifted bailed for hrs at GPM

Pump installed? Pump Installed Date
Installer's Name
Type of Pump Depth to Intake ft
Pump diameter Rated Capacity GPM

Water information Sand/gravel Limestone Sandstone
Main water-supply zone 1 from 261 ft to 281 ft
Main water-supply zone 2 from ft to ft
Static water level 157 ft (below/above) G tap airline E-line estimate
Pump water level 168 ft (below GL) tape airline E-line estimate
At yield of 200 GPM; Orifice Volumetric Estimate for 8 hours
Measurement taken at Date

Water quality test? Date
Tested by

Contractor name GINGERICH WELL PUMP SERVICE, LLC
Address 1331 HWY 1, KALONA, IA 52246
Driller Corwin Gingerich Certification no. 2638