

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: CITY OF SOLON WELL #4 Other ID:  
 Address NATURE & REC PARK, SOLON, IA  
 Tenant  
 Well Depth: 390 ft Date Completed: 8/18/2010

**Location** County JOHNSON COUNTY HEALTH DEPT.  
 mi. N S and mi. E W of intersection of and  
 NE 1/4 of the NE 1/4 of the SW 1/4 of Sec 23 TW 81N RN 6W E W  
 GPS Coordinates (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	7			TILL
7	21	YELLOW		SAND W/BOULDERS
21	43	BLUE		CLAY & SAND
43	60	BLUE		CLAY
60	75	YELLOW		LIMESTONE
75	80	WHITE	LIMESTO NF	W/CREVICES
80	140	LT TAN		LIMESTONE
140	160	ROSE		LIMESTONE
160	165	LT TAN	LIMESTO	& GREEN SHALE
165	214	WHITE	HARD	LIMESTONE
214	387	GRAY		DOLOMITE
387	390	GREEN		SHALE

**Remarks** (including depth of lost drilling fluids, materials, or tools)  
 PARTIAL LOST CIRCULATION @ 60'

**Well use**  
 Domestic  Municipal  Commercial  
 Livestock  Public Supply  Monitoring  
 Test Well  Irrigation  Other

**Drill method**  rotary  auger  cable other  
**Hole size**  
 24 inch from 0 ft t 60 ft 6.25 inch from 178 ft t 390 ft  
 10 inch from 60 ft t 178 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)
18	STEEL .375	0	60	60
10	STEEL .365	1	38	39
7 OD	STEEL .317	1	178	179

**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	60	120 SACKS
BENSEAL	0	178	25 BAGS

**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 1 hrs at 150 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 214 ft to 387 ft  seepage well  
 Static water level 0 ft (below/above) G  tape  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  
 Address 1331 HWY 1, KALONA, IA 52247  
 Driller KLINT GINGERICH Certification no. 2639