

WELL RECORD

15317

PWTS Permit N _____

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

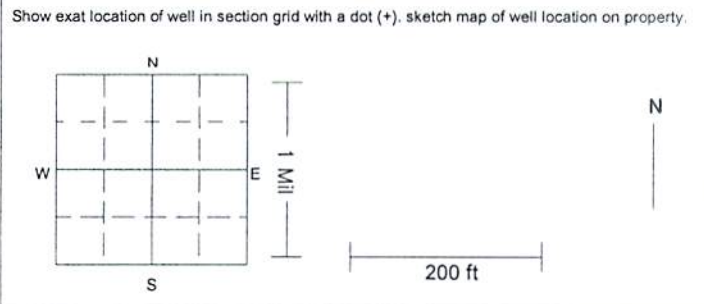
PWTS Well No.: _____

County Permit No _____

Site identification
 Property Owner: CITY OF CHARLES CITY WELL #7 Other ID: _____
 Address 1709 INDIANA AVE. CHARLES CITY, IA 50616
 Tenant _____
 Well Depth: 240 ft Date Completed: 3/28/2013

Location County FLOYD COUNTY HEALTH DEPT
 _____ mi. ^N/_S and _____ mi. ^E/_W of intersection of _____ and _____
 1/4 of the 1/4 of the 1/4 of Sec TW RN E
 W

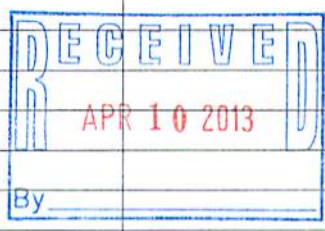
GPS Coordinateds (NAD83 datum only) decimal degrees:
 _____ N. Latitude _____ W. Longitude.



upland hillside valley level surface Elevation (if known) _____

Formation log

From	To	Color	Hardness	Formation description
187	208	BROWN		LIMESTONE
208	210	GRAY		LIMESTONE
210	217	GREEN		SHALE
217	219	YLLW/BR N		SHALE
219	225	YLLW/TA N		DOLOMITE
225	233	BRKN BRN		DOLOMITE
233	240	GRY/BRN		LIMESTONE



Remarks (including depth of lost drilling fluids, materials, or tools)
 PUBLIC SUPPLY WELL
 ORIGINAL 24" WELL RECASED WITH 20" CASING BY
 CAHOY PREVIOUS TO THIS PROJECT.

Well use

<input type="checkbox"/> Domestic	<input type="checkbox"/> Heat Pump	<input type="checkbox"/> Commercial
<input type="checkbox"/> Livestock	<input type="checkbox"/> Municipal	<input type="checkbox"/> Monitoring
<input type="checkbox"/> Test Well	<input type="checkbox"/> Public Supply	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Irrigation	

Drill method rotary auger cable other _____
Hole size
 18.875 inch from 187 ft t 244 ft inch from ft t ft
 inch from ft t ft inch from ft t ft

Casing Drive shoe Pitless adaptor

Size (ID/OD)	Type/Wt	Depth top	Depth bottom	Amount (length)
16" OD	.375 STEEL	209	240	31

Perforated or slotted casing?
 Perforated Slotted from 221 ft t 239 ft
 Perforated Slotted from ft t ft

Casing grouted? Grouted Placement method: _____

Type	Depth top	Depth bottom	Amount (vol/wt)

Well Screen? Screen

Diameter	Slot size	Depth top	Depth bottom	Length	Material

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

Well developed? Well Developed
 Explain AIR
 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 _____ GPM

Water information Sand/gravel Limestone Sandstone
 Main water-supply zone 1 from 150 ft to 233 ft seepage well
 Main water-supply zone 2 from _____ ft to _____ ft
 Static water level 20 ft (below/above) G 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
 Address 1331 HWY 1, KALONA, IA 52246
 Driller Klint Gingerich Certification no. 2639