

WELL RECORD

67960

PWTS Permit N 20090403

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

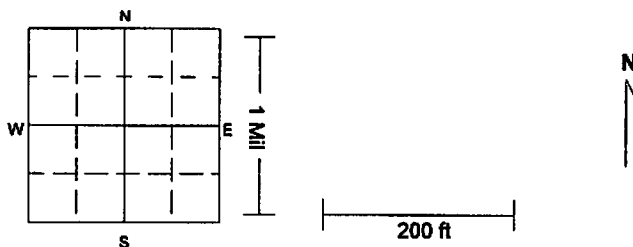
PWTS Well No.: _____

County Permit No _____

Site Identification
 Property Owner: HICKORY HILLS SUBD #1 WELL #1A Other ID: _____
 Address PO BOX 344, BLUE GRASS, IA 52726
 Tenant _____
 Well Depth: 555 ft Date Completed: 11/2/2009

Location County SCOTT COUNTY HEALTH DEPT
 _____ mi. ^N/_S and _____ mi. ^E/_W of intersection of _____ and _____
NW 1/4 of the SW 1/4 of the SW 1/4 of Sec 9 TW 77N RN 2E ^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	42	YELLOW	SOFT	SANDY CLAY
42	54	GRAY	SOFT	CLAY
54	56	BLACK	FIRM	COAL
56	144	GRAY	SOFT	SHALE
144	200	TAN	HARD	LIMESTONE
200	202	GRAY	SOFT	SHALE
202	237	TAN	HARD	LIMESTONE
237	257	GRAY	HARD	LIMESTONE
257	279	TAN	HARD	LIMESTONE
279	281	GREEN	SOFT	SHALE
281	293	GREEN	HARD	LIMESTONE
293	313	TAN	SOFT	LIMESTONE
313	551	LT GRAY	FIRM	LIMESTONE
551	555	GREEN	SOFT	SHALE

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

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 checked="" type="checkbox"/> Public Supply	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Irrigation	

Drill method rotary auger cable other _____
Hole size
 11 inch from 0 ft to 340 ft inch from ft to ft
 6 inch from 340 ft to 555 ft inch from ft to ft

Casing Drive shoe (yes/no) Pitless adaptor (yes/no)

Size (ID/OD)	Type/Wt	Depth top	Depth bottom	Amount (length)
6	STEEL	1	340	341

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: _____

Type	Depth top	Depth bottom	Amount (vol/wt)
CEMENT	0	340	120 SACKS

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 _____
 pumped airlifted bailed for 2 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 from 345 ft to 500 ft seepage well
 Static water level 260 ft (below/above) G tap airline E-line estimate
 Pump water level _____ ft (below GL) tape airline E-line estimate
 At yield of 75 GPM; Orifice Volumetric Estimate for _____ hours
 Measurement taken at 4:00:00 PM Date 11/3/2009

Water quality test? Date _____
 Tested by _____

Contractor name GINGERICH WELL PUMP SERVICE, LLC
 Address 1331 HWY 1, KALONA, IA 52246
 Driller JOE ALLEN Certification no. 1035