

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.: 5715215

County Permit No 2015-0582W

Site identification

Property Owner: FC UNITED SOCCER CLUB Other ID: _____Address 8610 MILBURN RD, CEDAR RAPIDS, IA 52411

Tenant _____

Well Depth: 467 ft Date Completed: 10/5/2015

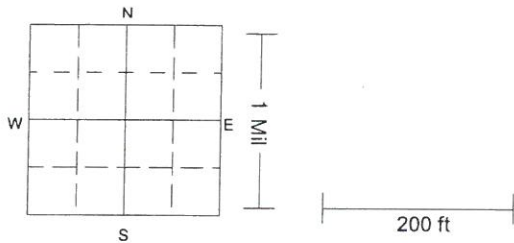
Location

County LINN COUNTY____ mi. $\frac{N}{S}$ and ____ mi. $\frac{E}{W}$ of intersection of _____ and _____NW 1/4 of the NE 1/4 of the NE 1/4 of Sec 25 TW 84 RN 8W $\frac{E}{W}$

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	30	BROWN	SOFT	SAND
30	60	GREY	FIRM	CLAY
60	63	GREY	FIRM	SANDY LIMESTONE
63	135	GREY	HARD	LIMESTONE
135	138	GREY	FIRM	SHALEY CREVIS
138	152	TAN	HARD	LIMESTONE
152	157	GREEN	FIRM	ERODING SHALE
157	208	GREY	HARD	LIMESTONE
208	228	TAN	HARD	LIMESTONE & SHALE
228	465	GREY	HARD	LIMESTONE
465	467	GREY	FIRM	SHALE

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

Well use

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

Drill method ☒ rotary ☐ auger ☐ cable other _____

Hole size

17 inch from 0 ft to 70 ft 8 inch from 208 ft to 467 ft
 12 inch from 70 ft to 208 ft inch from ft to ft

Casing

☐ Drive shoe ☐ Pitless adaptor

Size (ID/OD)	Type/ Wt	Depth top	Depth bottom	Amount (length)
8	STEEL	0	208	208

Perforated or slotted casing?

☐ Perforated ☐ Slotted from ft to ft
☐ Perforated ☐ Slotted from ft to ft

Casing grouted? ☒ Grouted Placement method: CEMENT HEAD

Type	Depth top	Depth bottom	Amount (vol/wt)
CEMENT	0	70	40 SACKS (TRI
CEMENT	0	208	90 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 DevelopedExplain WITH AIR☐ pumped ☒ airlifted ☐ bailed for 1 hrs at GPMPump 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 ☐ SandstoneMain water-supply zone 1 from 370 ft to 460 ft ☐ seepage well

Main water-supply zone 2 from

Static water level 50 ft (below/above) G ☐ tape ☐ airline ☐ E-line ☒ estimatePump water level 205 ft (below GL) ☐ tape ☐ airline ☐ E-line ☒ estimateAt yield of 85 GPM; ☐ Orifice ☐ Volumetric ☒ Estimate for hours

Measurement taken at Date

Water quality test? ☐ Date

Tested by

Contractor name GINGERICH WELL PUMP SERVICE, LLCAddress 1331 HWY 1, KALONA, IA 52246Driller Corwin GingerichCertification no. 2638