

WELL RECORD

64345

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 PROJECT NO W2007

Site identification

Property Owner: SYNGENTA SEEDS WELL #2

Other ID:

Address 5535 HWY 22 SE, LONE TREE IA 52755

Tenant

Well Depth: 234 ft Date Completed: 11/14/2007

Location

County JOHNSON COUNTY HEALTH DEPT.

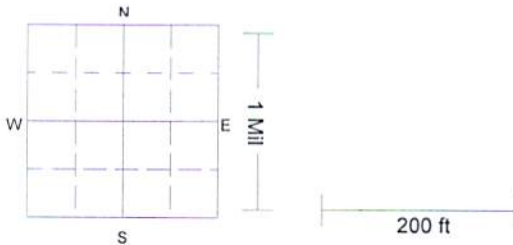
mi. N and mi. E of intersection of and
NE 1/4 of the NW 1/4 of the NE 1/4 of Sec 11 TW 77N RN 6W E

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	20	YELLOW		CLAY
20	29	YELLOW		SAND
29	36	BLUE		CLAY
36	40	YELLOW		SAND
40	47	BLUE		CLAY
47	53	GREY		SAND
53	208	BLUE		CLAY
208	212			FINE SAND
212	227	BLUE		CLAY
227	234			FINE SAND
234	249	BLUE		CLAY
249	254			COARSE SAND
254	260			SHALE

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

Well use

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

Drill method ☒ rotary ☐ auger ☐ cable other

Hole size

11 inch from 0 ft to 228 ft
6 inch from 228 ft to 234 ft

Casing

Drive shoe (yes/no)

Pitless adaptor (yes/no)

Size (ID/OD)	Type/ Wt	Depth top	Depth bottom	Amount (length)
6.9	PVCSDR17	1	228	229
4.5	PVCSDR17	222	229	7

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: HALLIBURTON

Type	Depth top	Depth bottom	Amount (vol/wt)
BENSEAL	0	228	19 BAGS

Well Screen?

☒ Screen

Diameter	Slot size	Depth top	Depth bottom	Length	Material
4.5	0.02	229	234	5	PVC

Bottom Capped ☒ with PVCSeals/Packers ☒ kind KPACKER depth 222 ft

Gravel packed ☐ from to ft
 type amount

Well developed? ☒ Well Developed

Explain

☐ pumped ☒ airlifted ☐ bailed for 3 hrs at 100 GPMPump installed? ☐ Pump Installed Date

Installer's Name

Type of Pump

Depth to Intake

Pump diameter

Rated Capacity GPM

ft

GPM

Water information ☒ Sand/gravel ☐ Limestone ☐ SandstoneMain water-supply zone from 229 ft to 234 ft ☐ seepage wellStatic water level 66 ft (below/above) GL ☐ tap ☐ airline ☐ E-line ☒ estimatePump water level 174 ft (below GL) ☐ tape ☐ airline ☐ E-line ☒ estimateAt yield of 68 GPM; ☐ Orifice ☐ Volumetric ☒ Estimate for 2 hours

Measurement taken at 12:00:00 AM Date 11/14/2007

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