56262
1 of 3

WELL RECORD

PWTS Permit No. _____

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

PWTS Well No. _____

County Permit No. _____

COPY

Site identification

Property Owner Woodlyn Hills Other ID _____

Address _____

Tenant _____

Well Depth _____ ft Date completed 06/04/10

Location

County Kossuth

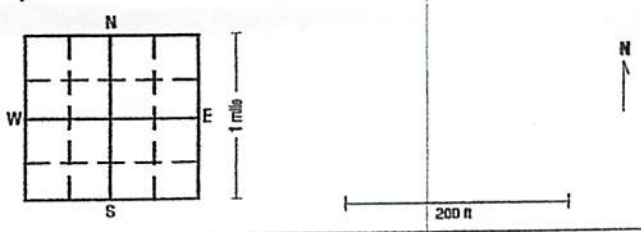
_____ mi. N/S and _____ mi. E/W of intersection of _____ and _____

_____ 1/4 of the _____ 1/4 of the _____ 1/4 of Sec _____ TWP _____ RNG _____ 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	21	Brown	S	Clay
21	36	yellow	S	Clay
36	77	Blue	S	Clay
77	84	Gray	S	Sand & Gravel
84	87	Orange	S	Clay
87	95	Gray	S	Clay
95	102	Gray	S	Sand & Gravel
102	110	Blk Brown	S	Wood & Coal
110	135	Gray	S	Gravel & Shale
135	138	Blk	S/M	Coal
138	180	white	S	Sand
180	188	orange white	S	Coarse Sand
188	197	white gray	M/MH	Limerock
197	211	Brown	M	Sandstone
				use additional sheets as needed

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

Well use

☐ Domestic ☐ Livestock ☐ Test well
☐ Heat pump ☒ Public supply ☐ Irrigation
☐ Commercial ☐ Monitoring ☐ Other _____

Drill method

☐ rotary ☐ auger ☐ cable other _____

Hole size

16 inch from 0 ft to 314 ft
5⅞ inch from 314 ft to 410 ft

hole size continued

_____ inch from _____ ft to _____ ft
_____ inch from _____ ft to _____ ft

Record all depth measurements from ground level (GL). Use (+) for above GL measurements.

Casing

Drive shoe (yes / no) Pitless adapter (yes / no)

Size (ID/OD)	Type / Wt	Depth top	Depth bottom	Amount (length)
		+2	314	316

Perforated or slotted casing? (yes / no)

Perforated / slotted from _____ ft to _____ ft
Perforated / slotted from _____ ft to _____ ft

Casing grouted? (yes / no)

Placement method _____

Type	Depth top	Depth bottom	Amount (vol/wt)
Neat cement/Bensea			33

Well screen? (yes / no)

Diameter	Slot size	Depth top	Depth bottom	Length	Material
	0.___				
	0.___				

Bottom capped (yes / no) with _____
Seals / Packers (yes / no) kind _____ depth _____ ft
Gravel packed (yes / no) from _____ ft to _____ ft
type _____ amount _____

Well developed? (yes / no)

Explain _____

(pumped, airlifted, bailed) for 1 hrs at 150 GPM

Pump installed? (yes / no)

Date ____/____/____

Installer's name _____

Type of pump _____ Depth to intake _____ ft

Pump diameter _____ Rated capacity _____ GPM

Water information

Aquifer: ☐ sand / gravel ☒ limestone ☐ sandstone

Main water-supply zone from 370 ft to 410 ft ☐ seepage well

Static water level 72 ft (below / above) GL: ☐ tape ☐ airline ☐ E-line ☐ estimate

Pumping water level _____ ft below GL; ☐ tape ☐ airline ☐ E-line ☐ estimate

At yield of _____ GPM; ☐ orifice ☐ volumetric ☐ estimate for _____ hours

Measurements taken at _____ : _____ (AM / PM) Date ____/____/____

Water quality test? (yes / no)

Date tested ____/____/____

Tested by _____

Contractor Schumacher well Drilling

Address 2201 Stage Dr Algona IA

Driller Jeremy Walker Certification no. 6087

RECEIVED
NOV 23 2010
By _____

Send original form to: **Iowa Department of Natural Resources – Geological Survey**

Make photocopies for: **Well Contractor, Customer, and County Health Department**

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WELL RECORD

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PWTS Well No. _____

County Permit No. _____

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

Site identification

Property Owner Woodlyn Hills Other ID _____

Address _____

Tenant _____

Well Depth _____ ft Date completed ____/____/____

Location

County _____

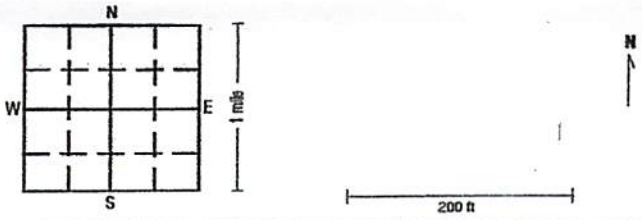
____mi. N/S and ____mi. E/W of intersection of _____ and _____

____1/4 of the____1/4 of the____1/4 of Sec____TWP____RNG____ 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
211	220	white	S-MH	Clay, Strips Limestone
220	229	orange	MH	Limestone, strips of white clay
229	233	Brown	MH	Dolomite
233	237	Red	S	Clay
237	277	white	MH-S	Dolomite: Shale
277	284	red	S	Clay
284	312	white	MH-M	Limestone strips shale
312	316	tan	MH	Limestone
316	318	Blue	M	Shale
318	330	tan	M-MH	Dolomite
330	331	Brown	MH	Limestone
331	330	Gray	MH	Dolomite
330	341	Blue white	Softer	Sandstone
341	350	white gray	MH	Limestone

use additional sheets as needed

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

Well use

☐ Domestic ☐ Livestock ☐ Test well
☐ Heat pump ☐ Municipal ☐ Public supply ☐ Irrigation
☐ Commercial ☐ Monitoring ☐ Other _____

Drill method

☐ rotary ☐ auger ☐ cable other _____

Hole size

____inch from 0 ft to ____ft
____inch from ____ft to ____ft

hole size continued

____inch from ____ft to ____ft
____inch from ____ft to ____ft

Record all depth measurements from ground level (GL). Use (+) for above GL measurements.

Casing

Drive shoe (yes / no) Pitless adapter (yes / no)

Size (ID/OD)	Type / Wt	Depth top	Depth bottom	Amount (length)

Perforated or slotted casing? (yes / no)

Perforated / slotted from _____ft to _____ft
Perforated / slotted from _____ft to _____ft

Casing grouted? (yes / no)

Placement method _____

Type	Depth top	Depth bottom	Amount (vol/wt)

Well screen? (yes / no)

Diameter	Slot size	Depth top	Depth bottom	Length	Material
	0.____				
	0.____				

Bottom capped (yes / no) with _____
Seals / Packers (yes / no) kind _____ depth _____ft
Gravel packed (yes / no) from _____ft to _____ft
type _____ amount _____

Well developed? (yes / no)

Explain _____

(pumped, airlifted, bailed) for _____ hrs at _____ GPM

Pump installed? (yes / no)

Date ____/____/____

Installer's name _____

Type of pump _____ Depth to intake _____ft

Pump diameter _____ Rated capacity _____GPM

Water information

Aquifer: ☐ sand / gravel ☐ limestone ☐ sandstone

Main water-supply zone from _____ft to _____ft ☐ seepage well

Static water level _____ft (below / above) GL; ☐ tape ☐ airline ☐ E-line ☐ estimate

Pumping water level _____ft below GL; ☐ tape ☐ airline ☐ E-line ☐ estimate

At yield of _____GPM; ☐ orifice ☐ volumetric ☐ estimate for _____hours

Measurements taken at ____:____ (AM / PM) Date ____/____/____

Water quality test? (yes / no)

Date tested ____/____/____

Tested by _____

Contractor Schumacher well

Address _____

Driller J walker Certification no. 6087

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Site identification

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Tenant _____

Well Depth _____ ft Date completed ____/____/____

Location

County _____

____ mi. N/S and ____ mi. E/W of intersection of _____ and _____

____ 1/4 of the ____ 1/4 of the ____ 1/4 of Sec ____ TWP ____ RNG ____ E/W

GPS Coordinates (NAD83 datum only) decimal degrees:

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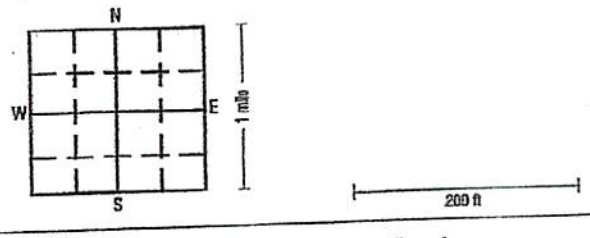

☐ upland ☐ hillside ☐ valley ☐ level surface Elevation (if known) _____

Formation log

From	To	Color	Hardness	Formation description
350	356	Brown	M/H	Dolomite
356	358	white gray	M H	Limestone
358	359	Brown	M H	Limestone
359	361	Blue gray green	softer	Sandstone & Shale
361	375	white	M H	Limestone
375	384	Brown	M H	Limestone
384	390	gray	M H	Dolomite
390	392	Brown	softer	Dolomite
392	394	gray	M H	Limestone
394	397	White	M H	Dolomite water
397	410	Brown	M H	Fractured Dolomite

use additional sheets as needed

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

Well use

☐ Domestic ☐ Livestock ☐ Test well
☐ Heat pump ☐ Municipal ☐ Public supply ☐ Irrigation
☐ Commercial ☐ Monitoring ☐ Other _____

Drill method

☐ rotary ☐ auger ☐ cable other _____

Hole size

____ inch from 0 ft to ____ ft
____ inch from ____ ft to ____ ft

hole size continued

____ inch from ____ ft to ____ ft
____ inch from ____ ft to ____ ft

Record all depth measurements from ground level (GL). Use (+) for above GL measurements.

Casing

Drive shoe (yes / no) Pitless adapter (yes / no)

Size (ID/OD)	Type / Wt	Depth top	Depth bottom	Amount (length)

Perforated or slotted casing? (yes / no)

Perforated / slotted from _____ ft to _____ ft
Perforated / slotted from _____ ft to _____ ft

Casing grouted? (yes / no)

Placement method _____

Type	Depth top	Depth bottom	Amount (vol/wt)

Well screen? (yes / no)

Diameter	Slot size	Depth top	Depth bottom	Length	Material
	0.____				
	0.____				

Bottom capped (yes / no) with _____
Seals / Packers (yes / no) kind _____ depth _____ ft
Gravel packed (yes / no) from _____ ft to _____ ft
type _____ amount _____

Well developed? (yes / no)

Explain _____

(pumped, airlifted, bailed) for _____ hrs at _____ GPM

Pump installed? (yes / no)

Date ____/____/____

Installer's name _____

Type of pump _____ Depth to intake _____ ft

Pump diameter _____ Rated capacity _____ GPM

Water information

Aquifer: ☐ sand / gravel ☐ limestone ☐ sandstone

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