WELL RECORD 83244

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

PWTS Well No. _____ PWTS Permit No. _____ County Permit No. _____

Site Identification

Twisters

Property Owner John Mangold Other ID _____

Address 4625 Tower Terrace Rd. CR

Tenant _____

Well Depth 195 ft Date completed 9/22/15

Location

County Linn

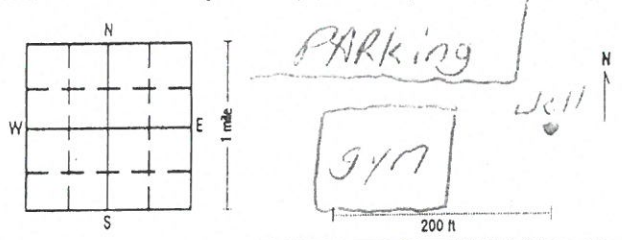
____ mi. N/S and ____ mi. E/W of intersection of _____ and _____

____ 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	10	Brn		SAND
10	17	Gray		clay
17	34	Gray		clay
34	57	Brn		Limestone
57	67	Brn		Limestone
67	82	Gray	green	Limestone/shale
82	150	Gray		Limestone/hard
150	160	Gray		Limestone/hard
160	167	Gray	green	Limestone/shale
167	195	Brn	soft	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

12 inch from 0 ft to 150 ft

6 inch from 150 ft to 195 ft

____ 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)
6"	Steel	+2	150	152

Perforated or slotted casing? (yes / no)

Perforated / slotted from _____ ft to _____ ft

Perforated / slotted from _____ ft to _____ ft

Casing grouted? (yes / no) Placement method Tremie

Type	Depth top	Depth bottom	Amount (vol/wt)
cement	0	150	19 BAGS

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 5" shale depth 150 ft

Gravel packed (yes / no) from 4.5" Packer ft to 4" sand ft

type #30 amount 120

Well developed? (yes / no)

Explain _____

(pumped / airlifted / bailed) for 1 hrs at 80 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 170 ft to 190 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 9 / 22 / 13

Water quality test? (yes / no) Date tested ____ / ____ / ____

Tested by _____

Contractor Greiner Well Service

Address 3100 Wildwood Ln Toddville, IA 52341

Driller Kenneth Greiner Certification no. 2776

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

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