

WELL RECORD

Permit No. _____

56720

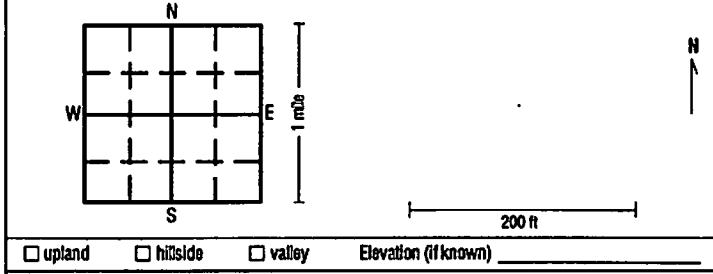
Site identification
 Property Owner Peosta, City Of Well Number _____
 Address 8579 Tennis Lane, Peosta
 Tenant _____
 Well Depth 1105 ft Date completed 10/22/02

Drill method rotary auger cable other _____
Hole size
12 1/2 inch from 0 ft to 155 ft hole size continued 21" 16' to 151'
23 inch from 0 ft to 16 ft 15" inch from 151 ft to 1105

Location County Dubuque
 _____ mi. N and _____ mi. E of intersection of _____ and _____
 _____ 1/4 of the NE 1/4 of the SE 1/4 of Sec. 08 TWP 88 RNG 10
 Show exact location of well in section grid with a dot (•). Sketch map of well location on property.

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

Casing Size (ID/OD)	Drive shoe (yes/no)		Pileless adaptor (yes/no)		Amount (length)
	Type	Wt	Depth top	Depth bottom	
16"		.375	+1'	151'	152'
10"		.365	+1'	745'	746'



Perforated or slotted casing? (yes/no) no
 Perforated / slotted from _____ ft to _____ ft
 Perforated / slotted from _____ ft to _____ ft

Casing grouted? (yes/no) no Placement method _____

Type	Depth Top	Depth bottom	Amount (vol/wt)
Neat Cement	0'	745'	689 sacks

Formation log

From	To	Color	Hardness	Formation description
0'	31'	Brown		Clay
31'	45'	Blue		Clay
45'	48'	Brown		Clay
48'	85'	Yellow soft		Limerock
85'	95'	Brown		Limerock
95'	128'	Brown		Limerock
128'	145'	Gray		Limerock
145'	175'	Gray		Shale
175'	285'	Blue		Shale
285'	320'	Brown		Shale
320'	548'	lt Brown		Rock
548'	580'	lt Brown		Rock
580'	594'			Shale
594'	648'	Gray		Rock
648'	651'			Shale
651'	694'	White		St. Pete Sandstone
694'	705'	Gray		Rock

use additional sheets as needed (cont.)

Well screen? (yes/no) 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) no
 Explain 75-1000 GPM @ 780'
 (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 406 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
 Measurements taken at _____ (AM/PM) Date ____/____/____

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

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

Well use
 Domestic Municipal Commercial
 Livestock Public supply Monitoring
 Test well Irrigation Other _____ (explain)

Contractor Shawver Well Company, Inc.
 Address 2700 Stanley Ave, Fredericksburg
 Driller Jim Bunting Certification no. 40621

(cont.)

Site Identification
 Property Owner Peosta, City of Well Number _____
 Address 8579 Tennis Lane, Peosta
 Tenant _____
 Well Depth 1105 ft Date completed 10/22/02

Location County Dubuque
 _____ mi. ^N and _____ mi. ^E of intersection of _____ and _____
 _____ mi. ^S and _____ mi. ^W of intersection of _____ and _____
 _____ 1/4 of the _____ 1/4 of the _____ 1/4 of Sec _____ TWP _____ RNG _____ E _____ W _____
 Show exact location of well in section grid with a dot (•). Sketch map of well location on property.

upland hillside valley Elevation (if known) _____

Formation log

From	To	Color	Hardness	Formation description
705'	708'			Sandstone
708'	745'	Gray/White		Rock
745'	818'	Buff		Rock
818'	826'	White		Sandstone
826'	870'	Buff		Rock
870'	890'	White		Sandstone
890'	990'	Buff		Limerock
990'	1075'	White		Sandstone
1075'	1088'	Brown		Rock
1088'	1090'			Made water
1090'	1105'	Brown		Rock

use additional sheets as needed

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

Well use

Domestic Municipal Commercial
 Livestock Public supply Monitoring
 Test well Irrigation Other _____ (explain)

Drill method rotary auger cable other _____
Hole size
 _____ inch from _____ 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) _____ Pileless 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
 Measurements taken at _____: _____ (AM / PM) Date ____/____/____

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

Contractor _____
 Address _____
 Driller _____ Certification no. _____