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

WELL RECORD

46581

Permit No. _____

Site identification

Campground

Property Owner Harvest Farm Well Number _____

Address 3690 - 318th Ave., Harmony, MN

Tenant Dave Ferrie

Well Depth 320 ft Date completed 7/31/98

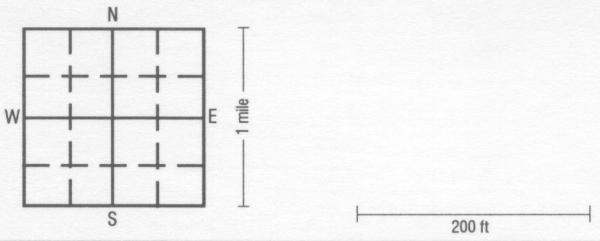
Location

County Winneshiek

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

_____ 1/4 of the _____ 1/4 of the NE 1/4 of Sec 21 TWP 100 RNG 10 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
0'	17'	Brown		Clay
17'	170'			Limerock
170'	260'			Shale, Shale Rock
260'	318'			Sandstone
318'	320'			Limerock

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

12¼ inch from 0 ft to 20 ft
9⅞ inch from 20 ft to 264 ft

hole size continued

6 inch from 264 ft to 320 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	+3'	264'	267'

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	0'	264'	92 sacks

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 106 ft (below / above) GL; ☐ tape ☐ airline ☐ E-line ☐ estimate
Pumping water level 160 ft below GL; ☐ tape ☐ airline ☐ E-line ☐ estimate
At yield of 25 GPM; ☐ orifice ☐ volumetric ☐ estimate
Measurements taken at _____ : _____ (AM / PM) Date ____ / ____ / ____

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

Tested by _____

Contractor Shawver Well Company, Inc.
Address Fredericksburg, IA 50630
Driller Neil Brandenburg Certification no. 10120

white copy – **Iowa DNR, Geological Survey Bureau** blue copy – **Well Contractor** pink copy – **Customer** yellow copy – **County Health Officer**

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