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

WELL RECORD 58301

Permit No. _____

Site identification

Property Owner Diamond Eagle Village Well Number _____
Address Bill Burke
Tenant 30001 HWY 18, McGregor
Well Depth 643 ft Date completed 11/12/03

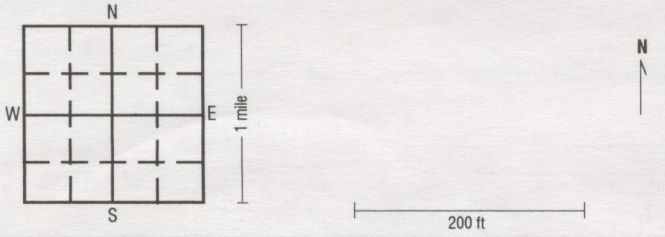
Location

County Clayton

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

_____ 1/4 of the SE 1/4 of the SE 1/4 of Sec 20 TWP 95 RNG 3 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'	26'	Brown		Clay
26'	104'	Brown		Limerock
104'	108'	Blue		Shale
108'	190'	White		St. Peter Sandstone
190'	150'	Brown		Limerock + Shale
150'	317'	Brown		Limerock
317'	337'	Brown		Broken Limerock
337'	455'	Brown		Limerock
455'	550'	Brown		Jordan Sandstone
550'	623'	Gray		Limerock
623'	643'	Green		Shale

use additional sheets as needed

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

Well use

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

Drill method

☒ rotary ☐ auger ☐ cable other _____

Hole size

15 inch from 0 ft to 33 ft
13 inch from 33 ft to 462 ft

hole size continued
7 7/8 inch from 462 ft to 643 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)
8"	Steel	+2'	462'	464'
14"	Steel			31'

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'	462'	385 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 397 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 Shawver Well Company, Inc.
Address Fredericksburg, IA 50630
Driller Gary Martin Certification no. 4047

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