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

WELL RECORD #42873 Permit No. HCPW-45197

Site identification

Property Owner Darrel Harken Well Number _____
Address Saratoga Presbyterian Church Parsonage
Tenant _____
Well Depth 100 ft Date Completed 02 / 20 / 97

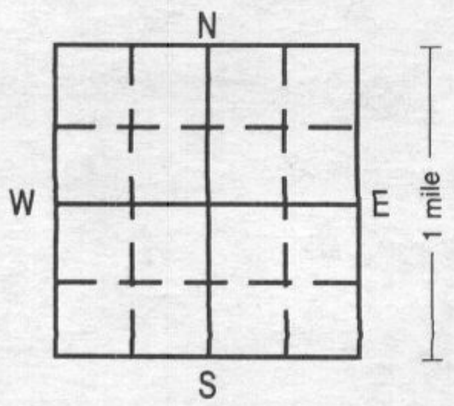
Location

County Howard

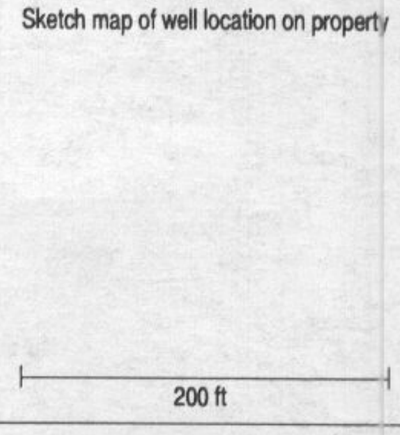
____mi. N/S and ____mi. E/W of intersection of _____ and _____

SE 1/4 of the NW 1/4 of the NE 1/4 of Sec 29 TWP 99 RNG 13 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'	22'			Topsoil, Sand
22'	49'	Blue		Clay
49'	81'			Shale
81'	97'			Limerock
97'	100'			Shale

use additional sheets as needed

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

Well use

■ Domestic ☐ Municipal ☐ Industrial
☐ 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 88 ft

hole size continued
6 inch from 88 ft to 100 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 adaptor (yes / no)

Size (ID/OD)	Type / Wt	Depth top	Depth bottom	Amount (length)
6.9	PVC	+2'	88'	90'

Perforated or slotted casing? (yes / no)

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

Casing grouted? (yes / no)

Type	Depth Top	Depth Bottom	Amount
Benseal	0'	88'	7 sacks
Holeplug			3 sacks

Well screen? (yes / no)

Diameter	Slot size	Depth Top	Depth Bottom	Length	Material

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 _____

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
Final water level (static water level) 22 ft (below / above) GL.
Pumping water level 60 ft below GL; ☐ tape ☐ airline ☐ E-line
At yield of 20 GPM; ☐ orifice ☐ volumetric ☐ estimate Date _____

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

Tested by _____
Test results _____

Contractor Shawver Well Company, Inc.
Address Fredericksburg, IA 50630
Driller Neil Brandenburg Certification no. 40120

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