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

WELL RECORD #41926

Permit No. _____

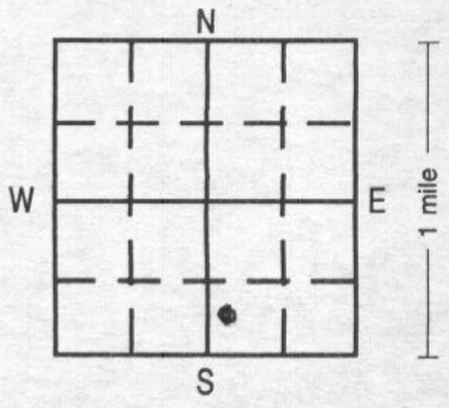
Site identification

Property Owner Country Drive Well Number _____
Address 5606 Hamilton Blvd.
Tenant Todd Ellison
Well Depth 196 ft Date Completed 7 / 25 / 96

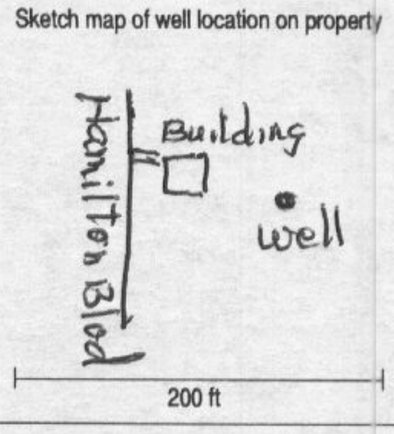
Location

County Plymouth
1/10 mi. N (S) and ____ mi. E (W) of intersection of So Ridge Rd and Hamilton Blvd.
NW 1/4 of the SW 1/4 of the SE 1/4 of Sec ____ TWP 90 RNG 47 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	5	black	soft	clay
5	28	yellow	"	clay
28	37	gray	"	clay
37	39	brown	hard	slate
39	41	gray	soft	clay
41	43	brown	hard	slate
43	101	gray	"	shale + slate
101	111	black	"	shale
111	148	gray	"	"
148	151	"	"	chunky sandstone + shale
151	170	"	"	shale
170	196	"	"	good sandstone

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

12 inch from 0 ft to 20 ft
8 3/4 inch from 20 ft to 196 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

Size (ID/OD)	Type / Wt	Drive shoe (yes / no) Depth top	Depth bottom	Pitless adaptor (yes / no) Amount (length)
5"	250 #	0	~~276~~	~~276~~
		0	176	176

Perforated or slotted casing? (yes / no)

Perforated / slotted from ~~276~~ ft to ~~2~~ ft
Perforated / slotted from 176 ft to 196 ft

Casing grouted? (yes / no)

Type	Depth Top	Depth Bottom	Amount
bentonite	8	160	

Well screen? (yes / no)

Diameter	Slot size	Depth Top	Depth Bottom	Length	Material

Bottom capped (yes / no) with 5" PVC. cap
Seals / Packers (yes / no) kind _____ depth _____ ft
Gravel packed (yes / no) from 160 ft to 196 ft
type #2 amount _____

Well developed? (yes / no)

Explain bailer

Pump installed? (yes / no) Date 7 / 26 / 96

Installer's name Marty Soole
Type of pump 3/4 H.P. 10 Goulds Sub Depth to intake 100 ft
Pump diameter 3 3/4 Rated capacity 12 GPM

Water information

Aquifer: ☐ sand/gravel ☐ limestone ☒ sandstone
Main water-supply zone from 170 ft to 196 ft
Final water level (static water level) 78 ft (below / above) GL.
Pumping water level 81 ft below GL; ☐ tape ☐ airline ☒ E-line
At yield of 12 GPM; ☐ orifice ☐ volumetric ☐ estimate Date 7-26-96

Water quality test? (yes / no) Date tested 7 / 29 / 96

Tested by Siouxland District Health
Test results Bac-safe nitrate 0.1 safe

Contractor Soole well
Address 1989 County Home Rd Bronson Ia
Driller Marty Soole Certification no. 40001

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