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

D4

WELL RECORD #42963

Permit No. _____

Site identification

Property Owner: Backbone State Park Well Number: _____
Address: Strawberry Pt
Tenant: _____
Well Depth: 206 ft Date Completed: 2 / 10 / 97

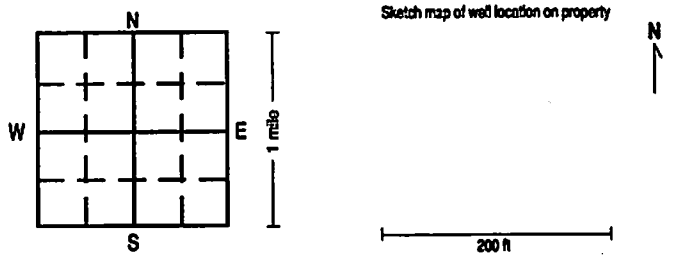
Location

County: Delaware

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

____ 1/4 of the ____ 1/4 of the ____ 1/4 of Sec 4 TWP 90 RNG 6 E/W

Show exact location of well in section grid with a dot (●).



☐ upland ☐ hillside ☐ valley Elevation (if known) _____

Formation log

From	To	Color	Hardness	Formation description
0	14	Brown		Sandy Clay
14	17	Red		Sandy clay
17	24	Brown		Clay & Limerock
24	81	Yellow		Limerock
81			Soft	Soft Spot
81	131	Yellow		Limerock
131		Brown + black		Shale w/some sand
131	142	Yellow		Limerock
142	180	Grey blue		Limerock
180	205	Blue w/black		Limerock w/black streaks
205	206	DK. brown		Shale + DK. brown Limerock

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

~~14~~ 14 inch from 0 ft to ~~30~~ 30 ft
10 inch from ~~30~~ 117 ft to 206 ft

hole size continued
13 inch from 30 ft to 117 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)
8"	Steel	+3	117	120

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
Neat cement	0	117	113 sacks
			4 sacks hole plug

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: Air Lift: 40 gpm at 115' max gpm 80+
80 gpm at 135'

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) 81½ ft (below / above) GL.
Pumping water level 115 ft below GL; ☐ tape ☐ airline ☐ E-line
At yield of 40 GPM; ☐ orifice ☐ volumetric ☒ estimate Date _____

Water quality test? (yes / no)

Date tested ____ / ____ / ____
Tested by _____
Test results _____

Contractor: Strauver Well Co., Inc.
Address: Fredericksburg, IA 50630
Driller: Dave Halweg Certification no. 4462

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