WELL RECORD 64411

PWTS Permit No. _____

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

PWTS Well No. 213133

County Permit No. 26975

Site identification

Property Owner Chr. Stensen Farms Other ID _____

Address _____

Tenant Feed mill

Well Depth 340 ft Date completed 11 / 10 / 07

Location

County Winnebago

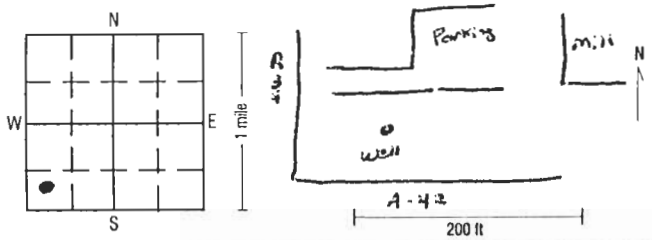
_____ mi. N/S and _____ mi. E/W of intersection of A-42 and R-37

SE 1/4 of the NW 1/4 of the NW 1/4 of Sec 22 TWP 98 RNG 25 E/W

GPS Coordinates (NAD83 datum only) decimal degrees:

43 . 28148 N. Latitude -93 . 79197 W. Longitude.

Show exact location of well in section grid with a dot (•). Sketch map of well location on property.



☐ upland ☐ hillside ☐ valley ☑ level surface Elevation (if known) _____

Formation log

From	To	Color	Hardness	Formation description
0	2	black		top soil
2	6	yellow		clay
6	19			sand/gravel
19	143	grey		shale
143	185	tan grey	soft	limestone/shale
185	205	tan	Hard	limestone
205	251	blue white	soft	limestone/shale
251	275	tan	Hard	limestone
275	295	white	Hard	limestone
295	340	brown	med	Sandstone

use additional sheets as needed

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

test pumped when 250' deep 15 gpm

Well use

☐ Domestic ☐ Livestock ☐ Test well ☐ Heat pump ☐ Municipal ☐ Public supply ☐ Irrigation ☑ Commercial ☐ Monitoring ☐ Other _____

Drill method

☑ rotary ☐ auger ☐ cable other _____

Hole size

9¼ inch from 0 ft to 197 ft

5⅛ inch from 197 ft to 340 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

Drive shoe (yes / no) Pitless adapter (yes / no)

Size (OD)	Type / Wt	Depth top	Depth bottom	Amount (length)
6"	PVC 200lb	+3	197	200'
1½"	PVC 160lb	192	340	148'

Perforated or slotted casing? (yes / no)

Perforated slotted from 280 ft to 340 ft

Perforated / slotted from _____ ft to _____ ft

Casing grouted? (yes / no) Placement method Pumped

Type	Depth top	Depth bottom	Amount (vol/wt)
ben seal	-5	195	319 gal

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 Airlifted

(pumped, airlifted, bailed) for 2 hrs at 60 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 280 ft to 340 ft ☐ seepage well

Static water level 90 ft (below / above) GL; ☐ tape ☑ airline ☐ E-line ☐ estimate

Pumping water level 130 ft below GL; ☐ tape ☑ airline ☐ E-line ☐ estimate

At yield of 60 GPM; ☐ orifice ☐ volumetric ☑ estimate for 2 hours

Measurements taken at 3 : 30 (AM / PM) Date 11 / 10 / 07

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

Tested by _____

Contractor B. H. Beemer Well Co. Inc

Address 2363 Vasse Ave. Duncombe IA

Driller Matt Estlund Certification no. 2379

Send original form to: **Iowa Department of Natural Resources – Geological Survey**

Make photocopies for: **Well Contractor, Customer, and County Health Department**