#35859

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

WELL RECORD

Permit No. _____

Site identification

Property Owner Dubuque Family Golf & Rec Well Number _____

Address Herod Lane Dubuque

Tenant _____

Well Depth 275 ft Date Completed 2 / 20 / 95

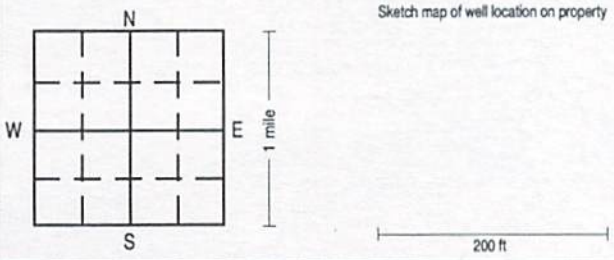
Location

County Dubuque

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

____ 1/4 of the NE 1/4 of the SE 1/4 of Sec 8 TWP 89 RNG 2 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	26	Brn		Clay
26	58	Brn		Shale
58	122			Galina Buff
122	275	Wht		White galina

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 3/4 inch from 0 ft to 40 ft
8 3/4 inch from 40 ft to 122 ft

hole size continued
6 1/4 inch from 122 ft to 275 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)
7"	Steel	+2	122	124

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	122	40 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 Air lift. 25 gpm at 215'
40 gpm at 235' max gpm 50+

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) 120 ft (below / above) GL.

Pumping water level 215 ft below GL; ☐ tape ☐ airline ☐ E-line

At yield of 25 GPM; ☐ orifice ☐ volumetric ☐ estimate Date _____

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

Tested by _____

Test results _____

Contractor Shawver Well Co., Inc

Address Fredericksburg, IA 50630

Driller Dave Hallweg Certification no. 401162

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

~~35881~~ SHAWVER WELL CO., INC. 35859
WELL LOG DATA

Well NO: 9502040
Owner Name: RON BREITBACH
Second Name: DUBUQUE FAMILY GOLF & REC CENTER
Address1: 13233 DERBY GRANGE RD
Address2: LOCATION: HEROD LANE
City: DUBUQUE, IA
Zip: 52001
Short Co. Name: DUB Dubuque 89 - 2E
Township: DUBUQUE
Section: 08
Quarters: NESE
Start Date: 2/16/95
End Date: 2/20/95

Log of Well	0'	TO	26'	BROWN CLAY
	26'	TO	58'	BROWN SHALE
	58'	TO	122'	GALINA BUFF 74'
	122'	TO	275'	WHITE GALINA
	154'			10 GPM
	178'			10 GPM
	215'			20 GPM
	248'			10 GPM

Description
THE WELL IS CASED TO 124' WITH 7" OD X .317 WALL STEEL CASING. A 12¼" HOLE WAS DRILLED TO 40' AND AN 8 3/4" HOLE WAS DRILLED TO 122' AND NEAT CEMENT GROUT WAS PUMPED IN THE ANNULAR SPACE.
AIR LIFT: 25 GPM AT 215'
40 GPM AT 235'
MAX GPM 50+

Static Water Level: 120'
Pump Setting: 215' AT 20 GPM
Water Test:
TC 9A
Bore Hole Data

0'	TO	40'	12¼" DIAMETER
40'	TO	122'	8 3/4" DIAMETER
122'	TO	275'	6¼" DIAMETER

Driller: DAVE HALWEG