w76842

WELL RECORD

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

PWTS Well No. _____

PWTS Permit No. _____

County Permit No. _____

Site identification

Property Owner Lyon & Sioux Rural Water Other ID _____

Address 1107 1st Ave., PO Box 309 Rock Rapids IA 51246

Tenant _____

Well Depth 87 ft Date completed 09 / 09 / 09

Location

County Lyon

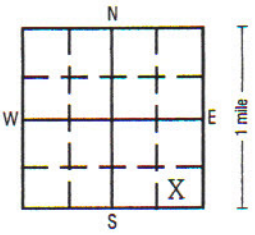
____ mi. N/S and ____ mi. E/W of intersection of Apple Ave and 250th St

SE 1/4 of the SE 1/4 of the SE 1/4 of Sec 24 TWP 98N RNG 48 E/W

GPS Coordinates (NAD83 datum only) decimal degrees:

43 17 449 N. Latitude 096 34 164 W. Longitude.

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



See attached map

N

200 ft

☐ upland ☐ hillside ☐ valley ☒ level surface Elevation (if known) 387m

Formation log

From	To	Color	Hardness	Formation description
0	5	Brn		Clay
5	24	Ylw		Gravel
24	25			Boulder
25	87			Cobbel/Pea rock
87	97	Blue		Clay/rocks

use additional sheets as needed

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

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Well use

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

Drill method

☒ rotary ☐ auger ☐ cable other _____

Hole size

18 inch from 0 ft to 97 ft

____ inch from ____ ft to ____ ft

____ inch from ____ ft to ____ 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 (ID/OD)	Type / Wt	Depth top	Depth bottom	Amount (length)
12"	Steel	+2	52	54'

Perforated or slotted casing? (yes / no)

Perforated / slotted from _____ ft to _____ ft

Perforated / slotted from _____ ft to _____ ft

Casing grouted? (yes / no) Placement method Tremie piped

Type	Depth top	Depth bottom	Amount (vol/wt)
Bentonite	0	42	3 yds

Well screen? (yes / no)

Diameter	Slot size	Depth top	Depth bottom	Length	Material
12"	0.080	52	87	35'	S.S.
	0.___				

Bottom capped (yes / no) with washdown fitting

Seals / Packers (yes / no) kind _____ depth _____ ft

Gravel packed (yes / no) from 42 ft to 87 ft

type #90 well slot amount 40 cu. ft.

Well developed? (yes / no)

Explain Airlifted

(pumped, airlifted, bailed) for 19.75 hrs at 200-250 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 54 ft to 87 ft ☐ seepage well

Static water level 20.33 ft (below / above) GL; ☒ tape ☐ airline ☐ E-line ☐ estimate

Pumping water level 52.92 ft below GL; ☒ tape ☐ airline ☐ E-line ☐ estimate

At yield of 350 GPM; ☒ orifice ☐ volumetric ☐ estimate for 72 hours

Measurements taken at ____ : ____ (AM / PM) Date 07 / 31 / 09

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

Tested by Samples taken and sent in by owner

Contractor Thein Well Company Inc.

Address PO Box 778, Spicer MN 56288

Driller Robert Thein Certification no. 5442

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

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



Lyon & Sioux Rural Water
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