w76483

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 System Other ID _____

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

Tenant _____

Well Depth 76.5 ft Date completed 05 / 12 / 11

Location

County Lyon

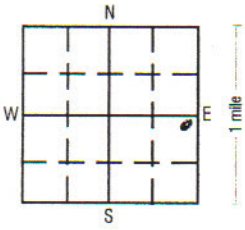
_____ mi. (N / S) and _____ mi. (E / W) of intersection of Apple Ave and 250th St

NE 1/4 of the NE 1/4 of the SE 1/4 of Sec 24 TWP 98 RNG 49 (E / W)

GPS Coordinates (NAD83 datum only) decimal degrees:

43 17 .621 N. Latitude 096 34 .268 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) 1254'

Formation log

From	To	Color	Hardness	Formation description
0	5			Top soil
5	11	Brn		Silty clay
11	12			Gravel
12	15	Brn		Silty clay
15	35			Gravel w/clay layers
35	55	Gray		Med to fine sand
55	74			Med sand w/gravel
74	75	Gray		Clay
75	80			Med sand & gravel
80	90	Blue		Clay

use additional sheets as needed

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

Beloit #2 well

Well use

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

Drill method

rotary auger cable other _____

Hole size

17.5 inch from 0 ft to 90 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"	S.S.	+2	51	53

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)
Volclay grout	0	48	5 yds

Well screen? (yes / no)

Diameter	Slot size	Depth top	Depth bottom	Length	Material
12"	0.050	51	76.5	25.5	S.S.
	0.				

Bottom capped (yes / no) with Washdown fitting

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

Gravel packed (yes / no) from 48 ft to 76.5 ft

type 1/8 x 1/16 amount 125 cu ft

Well developed? (yes / no)

Explain _____

(pumped, airlifted, bailed) for 27 hrs at 350 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 53 ft to 76.5 ft seepage well

Static water level 5.58 ft (below / above) GL; tape airline E-line estimate

Pumping water level 21.83 ft below GL; tape airline E-line estimate

At yield of 340 GPM; orifice volumetric estimate for 48 hours

Measurements taken at _____ : _____ (AM / PM) Date 5 / 12 / 11

Water quality test? (yes / no)

Date tested _____ / _____ / _____

Tested by Samples to be sent in by owner

Contractor Thein Well Company Inc.

Address PO Box 778, Spicer MN 56288

Driller Marty Winther Certification no. 8024

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 System