PWTS No. or PWS No. well #3 | PWTS Permit No. | GEOSAM Well No. (IGS use only) 88943

Site Identification

Property owner New Cooperative Other ID

Address 1389 Wright Ave City Rowan

Tenant New Coop

Well depth 320 ft Date completed 6/26/2015

Drill Method

☒ Rotary ☐ Auger ☐ Cable ☐ Other

Hole size

12¼ inch from 0 ft to 11 ft

9⅞ inch from 11 ft to 160 ft

hole size continued

5⅞ inch from 160 ft to 320 ft

____ inch from ____ ft to ____ ft

Location

County Franklin

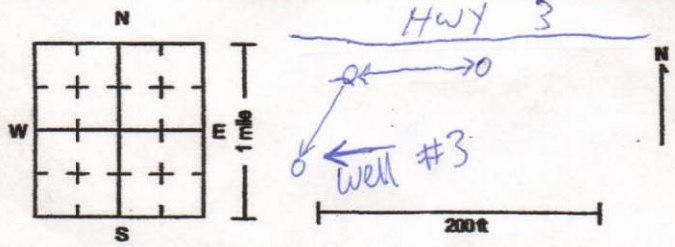
GPS coordinates (NAD83 datum)

Latitude Longitude

☐ Decimal Degrees ☐ Degrees, Decimal Minutes ☐ Degrees, Minutes, Seconds

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

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



Casing or Loop Pipe

Record all depth measurements from ground level (GL). Use + for above GL measurements.

Size (in)	Material	Depth Top	Depth Bottom	Perforated	Slotted	Screen
10"	Temporary Steel	+1	11'	☐	☐	☐ slot size ____
				☐	☐	☐ slot size ____
6"	SDR 21	+2	160	☐	☐	☐ slot size ____
				☐	☐	☐ slot size ____
4.5"	SDR 26	160	320	☒	☐	☐ slot size ____

Casing Grout

Placement method Treme

Type	Depth Top	Depth Bottom	Amount (volume)
Holeplug 3/8"	153	160	2 Sacks
Bentseal Treme	0	153	204 sak
☐ Gravel packed variety ____			
☒ Seals/packers Shale trap		K-Packer	

Formation Log

From	To	Color	Hardness	Formation description
0	8	Brown	Soft	Sand + topsoil
8	80	Blue	Soft	Clay
80	93	Multi	Soft	Sand
93	110	Brown	Soft	Weathered L.S.
110	150	Brown	Med	L.S.
150	160	GRAY	HARD	L.S.
160	215	TAN	Med	L.S.
215	219	TAN	Soft	Shaly L.S.
219	230	TAN	Med	L.S.
230	232	~~TAN~~	Soft	Shaly L.S.
232	255	TAN	Med	L.S.
255	257	Green	Soft	Shaly L.S.
257	269	Gray	Med	L.S.
269	271	White	Soft	Shaly L.S.
271	310	TAN	Med	L.S.
310	320	GRAY	Soft	Shale

(use additional sheets as needed)

Pump Installation

Date ____/____/____

Type of pump ____ Depth to intake ____ ft

Pump diameter ____ in Rated capacity ____ GPM

Water Information

60-70 gpm @ 130'

Date ____/____/____

Use + for above GL measurements.

Static Water Level	Pumping Water Level	Yield	Duration
41 ft	140 ft	100+ GPM	2 hrs

Water level measurement: ☐ Sonic ☐ Tape ☐ Airline ☒ E-line ☐ Estimate

Water yield measurement: ☐ Orifice ☐ Volumetric ☒ Estimate

Main water-supply zone from 300 ft to 310 ft below GL

Remarks

(including depth of lost drilling fluids, materials, or tools) Hit Crevice & Broken S.S/L.S. @ 303-310. Main water Supply.

Well Development

☐ Physical explain: ____

☐ Chemical explain: ____

Well Use

☐ Domestic ☐ Public supply ☐ Livestock

☐ Heat pump ☒ Commercial ☐ Irrigation

# of borehole(s) ____ ☐ Monitoring ☐ Other ____

Contractor

Company LARSON Well Company LLC

Address PO Box 388 Rolfe IOWA

Driller Riley Larson Certification no. 8416

IIHR Hydroscience & Engineering

Mail form to Iowa Geological Survey: 100 Oakdale IGS, Iowa City, IA 52242-1304

The University of Iowa

Make copies for: well contractor, customer, and county health department

Rev. 2014