WELL RECORD FORM

PWTS No. or PWS No. 5502801 | PWTS Permit No. 2015-0307 W | GEOSAM Well No. (IGS use only) 83240

Site Identification

Property owner Murphy of Iowa | Other ID

Address 2116 90th Ave | City Algona

Tenant FeedMill

Well depth 177 ft | Date completed 7 / 21 / 15

Location

County Kossuth

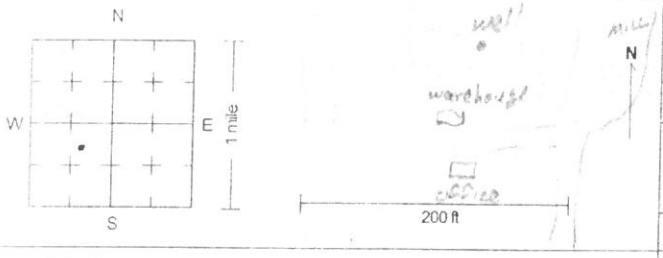
GPS coordinates (NAD83 datum)

43.0723290 Latitude | -94.2834690 Longitude

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

SW 1/4 of the ne 1/4 of the SW 1/4 of Sec 4 TWP 95 RNG 29 E W

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



Formation Log

From	To	Color	Hardness	Formation description
0	3	blk	s	top soil
3	21	yel	m	clay
21	145	gray	m	clay
145	177	yel	s	sand
				(use additional sheets as needed)

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

Well Use

☐ Domestic ☑ Public supply ☐ Livestock

☐ Heat pump # of borehole(s) ____ ☐ Commercial ☐ Irrigation

☐ Monitoring ☐ Other

Drill Method

■ Rotary ☐ Auger ☐ Cable ☐ Other

Hole size

12.5 inch from 0 ft to 177 ft

____ inch from ____ ft to ____ ft

hole size continued

____ inch from ____ ft to ____ ft

____ inch from ____ ft to ____ ft

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	steel	+2	6	☐	☐	☐ slot size ____
8	sdr 17 pvc	6	155	☐	☐	☐ slot size ____
8	stainless steel	155	177	☐	☑	☑ slot size .018
				☐	☐	☐ slot size ____
				☐	☐	☐ slot size ____

Casing Grout

Placement method pumped

Type	Depth Top	Depth Bottom	Amount (vol/wt)
bentonite	0	145	21 bags
☑ Gravel packed variety ____	145	177	23 bags
☐ Seals/packers			

Pump Installation

Date 8 / 22 / 15

Type of pump submersible | Depth to intake 140 ft

Pump diameter 6 in | Rated capacity 85 GPM

Water Information

Date 8 / 22 / 15

Use + for above GL measurements

Static Water Level	Pumping Water Level	Yield	Duration
91 ft	117 ft	120 GPM	24.00 hrs

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

Water yield measurement: ☐ Orifice ☑ Volumetric ☐ Estimate

Main water-supply zone from 155 ft to 177 ft below GL

Well Development

☑ Physical explain: jet w/ water - surge - airlift

☐ Chemical explain: ____

Contractor

Company Elbert Bros Well Drilling Inc

Address 405 7th St Whittemore, Iowa

Driller Rick Elbert | Certification no. 2335

IGS IIHR Hydroscience & Engineering

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

Or click here to e-mail form to: IIHR-IGS-WellRecords@uiowa.edu

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

The University of Iowa

09/27/2016

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