102021

WELL RECORD FORM

PWSID# *or* PWTS No. 4349094 | PWTS Permit No. 20220300 | GeoSam WNumber *(IGS use only)*

Site Identification

Property owner City of Mondamin | Other ID South

Address 120 South Main St | City Mondamin

Tenant

Well depth 80 ft | Date completed 5 / 18 / 2023

Location

County Harrison

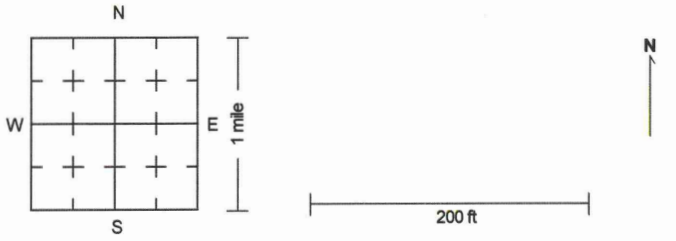
GPS coordinates (NAD83 datum)

41.7126139 Latitude | 96.0167639 Longitude

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

____ 1/4 of the ____ 1/4 of the NE 1/4 of Sec 30 TWP 80 RNG 44 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	13	Brown		Top soil and brown clay
13	31	Gray		Clay
31	48			Fine pepper sand
48	49	Gray		Clay
49	60			Fine, medium coarse sand and
				fine gravel with gray clay strips
60	78			Fine, medium coarse sand and
				fine, medium coarse gravel and
				rocks
78	79			Limestone
79	80			Shale
80	82			Shale and limestone
				(use additional sheets as needed)

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

Well Use

☐ Domestic ☑ Public supply ☐ Livestock

☐ Heat pump ☐ Commercial ☐ Irrigation

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

Drill Method

☑ Rotary ☐ Auger ☐ Cable ☐ Other ____

Hole size

18 inch from 0 ft to 79 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	SDR 17	0	67	☐	☐	☐ slot size ____
10	Johnson SS	67	77	☐	☑	☐ slot size .100
10	Johnson SS	77	79	☐	☑	☐ slot size .015
				☐	☐	☐ slot size ____
				☐	☐	☐ slot size ____

☑ Gravel packed | 62 | 79 | amount 4 YDS variety #4

☐ Seals/packers | type ____

☑ Bottom capped with SS

Casing Grout

Placement method ____

Type	Depth Top	Depth Bottom	Amount (vol/wt)
Concrete	0	10	3 yds
Bentonite Steal	10	62	4 bags

Pump Installation

Date 4 / 25 / 24

Type of pump Grundfos | Depth to intake 62 ft

Pump diameter 4 in | Rated capacity 150 GPM

Water Information

Date 12 / 10 / 24

Static Water Level	Pumping Water Level	Yield	Duration
16 ft	24 ft	162 GPM	4.00 hrs

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

Water yield measurement: ☑ Orifice ☐ Volumetric ☐ Estimate

Main water-supply zone from 67 ft to 79 ft below GL

Well Development

☑ Physical explain: Double disk surge block piping

☐ Chemical explain: ____

Contractor

Company Sargent Drilling

Address 2016 Industrial Park Road, Carroll, IA 51401

Driller Derek Schweitzer | Certification no. 8338

IGS | IIHR Hydroscience & Engineering | The University of Iowa

Mail form to **Iowa Department of Natural Resources**: 502 E. 9th St., Des Moines, IA 50319-0034

Or click here to e-mail form to: well.records@dnr.iowa.gov

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

DNR

Rev. 2017 DNR Form 542-8170