94405

WELL RECORD FORM

PWSID# or PWTS No. 4289201 | PWTS Permit No. _____ | GeoSam WNumber (IGS use only) _____

Site Identification

Property owner Korey K DeBerg Other ID _____

Address 19138 County Highway S56 City Steamboat Rock

Tenant _____

Well depth 230 ft Date completed 07 / 14 / 2020

Location

County Hardin

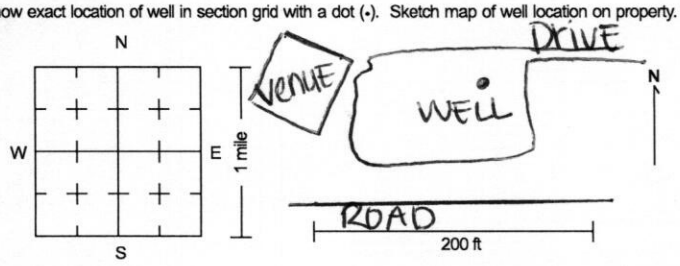
GPS coordinates (NAD83 datum)

_____ 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.



Formation Log

From	To	Color	Hardness	Formation description
0	5	GRAY	MED	CLAY
5	18	BROWN	MED	CLAY
18	110	BLU/GRY	HARD	CLAY
110	118	BROWN	MED	WEATHERED LIMESTONE
118	220	BRN/WHT	HARD	LIMESTONE
220	225	GRAY	MED	SANDSTONE/SHALE
225	230	GRAY	SOFT	SHALE
				(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

10 inch from 0 ft to 128 ft

6 inch from 128 ft to 230 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
6"	STEEL	+2	126	☐	☐	☐ slot size
4.5"	PVC	120	230	☐	☐	☐ slot size
	PERF	155	225	☐	☐	☐ slot size
				☐	☐	☐ slot size
				☐	☐	☐ slot size
☐ Gravel packed				amount _____ variety _____		
☑ Seals/packers		120	150	type K-PACKERS		
☑ Bottom capped with _____						

Casing Grout

Placement method _____

Type	Depth Top	Depth Bottom	Amount (vol/wt)
BENSEAL BENTONITE	0	124	15 Sacks
HOLEPLUG	124	128	4 Sacks

Pump Installation

Date ____/____/____

Type of pump 3 HP 25 GPM Sub Depth to intake _____ ft

Pump diameter 4 in Rated capacity _____ GPM

Water Information

Date ____/____/____

Static Water Level	Pumping Water Level	Yield	Duration
119 ft	167.5 ft	30 GPM	3+ hrs

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

Water yield measurement: ☐ Orifice ☑ Volumetric ☐ Estimate

Main water-supply zone from 180 ft to 220 ft below GL

Well Development

☑ Physical explain: Test Pump

☐ Chemical explain: _____

Contractor

Company Larson Well Co. LLC

Address P.O. Box 388 Roland, Iowa 50236

Driller Riley Larson Certification no. 8416

IGS IIHR Hydroscience & Engineering

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See back for submittal information

DNR DNR Form 542-8170