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JAN 21 2026

Water Rights Program

Mail to: SD DANR, Water Rights  
523 E Capitol Ave  
Pierre, SD 57501-3182  
ph. (605) 773-3352

No. 9020-3 Hydrologic Unit 10160011  
Basin Lower James  
Newspaper Howard/Miner County Pioneer  
Argus Leader  
(office use only)

Application for Permit to Appropriate Water in South Dakota

Check use(s) of water:

<input type="checkbox"/> Municipal	<input checked="" type="checkbox"/> Water Distribution System	<input type="checkbox"/> Recreational	<input type="checkbox"/> Institutional
<input type="checkbox"/> Rural Water System	<input checked="" type="checkbox"/> Commercial	<input type="checkbox"/> Fish & Wildlife	<input type="checkbox"/> Geothermal
<input type="checkbox"/> Domestic (over 18 gpm)	<input type="checkbox"/> Industrial	<input type="checkbox"/> Other	

Type of Application:  
(check one)

New  Vested Right (Use predates Mar 2, 1955)  Future Use Reservation  
Place to Beneficial Use Water Reserved by Future Use Permit No. \_\_\_\_\_  
 Amendment/Correction to Permit No. \_\_\_\_\_

Description of amendment/correction: (i.e. change diversion point(s), add diversion point(s), change use, etc.)

- Name to Appear on Water Permit Hord Family Farms of SD  
Mailing Address Po Box 808 Bucyrus OH 44820  
(Address) (City) (State) (Zip Code)  
Phone 419-569-2748 Mobile \_\_\_\_\_ Email Colleen@hordfarms.com
- Amount of water claimed 0.334 \*CFS or 150 \*\*GPM and 86 \*\*\*AF or 28 million Gallons  
Flow rate and volume are both required. (\*Cubic Feet per Second) (\*\*Gallons per Minute) (\*\*\*)Acres Feet - storage capacity of dam/dugout or annual use
- Source of water supply Ground water (three wells)
- Location of point of diversion SW 1/4 of Section 19, T108N, R56W County Miner  
(example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W)  
If not a public water supply (e.g. municipal), will water be used outside of the area described above?  Yes  No  
If "Yes," where will water be used? \_\_\_\_\_  
(example - NW1/4 section 12-T104N-R53W)
- County or counties where water will be used Miner
- Annual period during which water is to be used January 1st to December 31st
- Give a description of the project. When available include any preliminary engineering report or other reports or information that will help explain the project. (Attach sheet if more space is needed)

I, Colleen Hord Member, the applicant, certify under  
Name of Person Title (if applicable)

penalty of perjury that I have read this application, examined the attached map, and that the matters stated are true. I further certify, if acting on behalf of an entity or individual other than myself, that I am authorized to submit this application.

2021-08

Attachments: Attach Form 2A if diversion is from a well or dugout, or if storage of water is proposed. Also, attach map and any other technical information. (see instructions)

44.13929/-97.62634

### Supplemental Information

(type or print)

**1. Well Information** (check one or both as applicable)

Drilling new well(s)     Using existing well(s)

- a) If new wells, how many 3 Have test holes been drilled?  Yes  No Drilled by Stretch's well service  
(if yes, please provide copies of logs)
- b) If existing wells, how many 0 Provide copy of log(s), if available. Drilled by \_\_\_\_\_

For either existing or proposed wells:

- c) Well Depth (required) 960 Depth to Top of Water Bearing Material 150 Depth to Water from Surface 150
- d) Distance to nearest domestic well on applicant's property none Property owned by others unknown

**2. Wastewater Disposal System Information**

- a) Type of System (i.e. septic tank, drain field) \_\_\_\_\_
- b) System Capacity (gallons) \_\_\_\_\_ Year Constructed \_\_\_\_\_
- c) Connected to the City of \_\_\_\_\_ Sanitary System

**3. Dugout Information**

- a) Surface Dimensions \_\_\_\_\_ Depth \_\_\_\_\_
- b) Depth to water (ground surface to water level) \_\_\_\_\_

**4. Water Storage Dams**

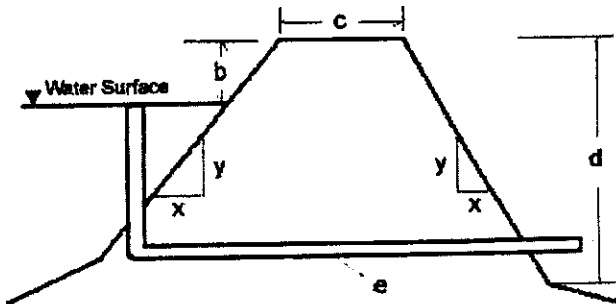
If the proposed water use system contains one or more storage dams, please furnish the information requested below for each dam. The locations of the dams need to be shown on the map submitted with the application.

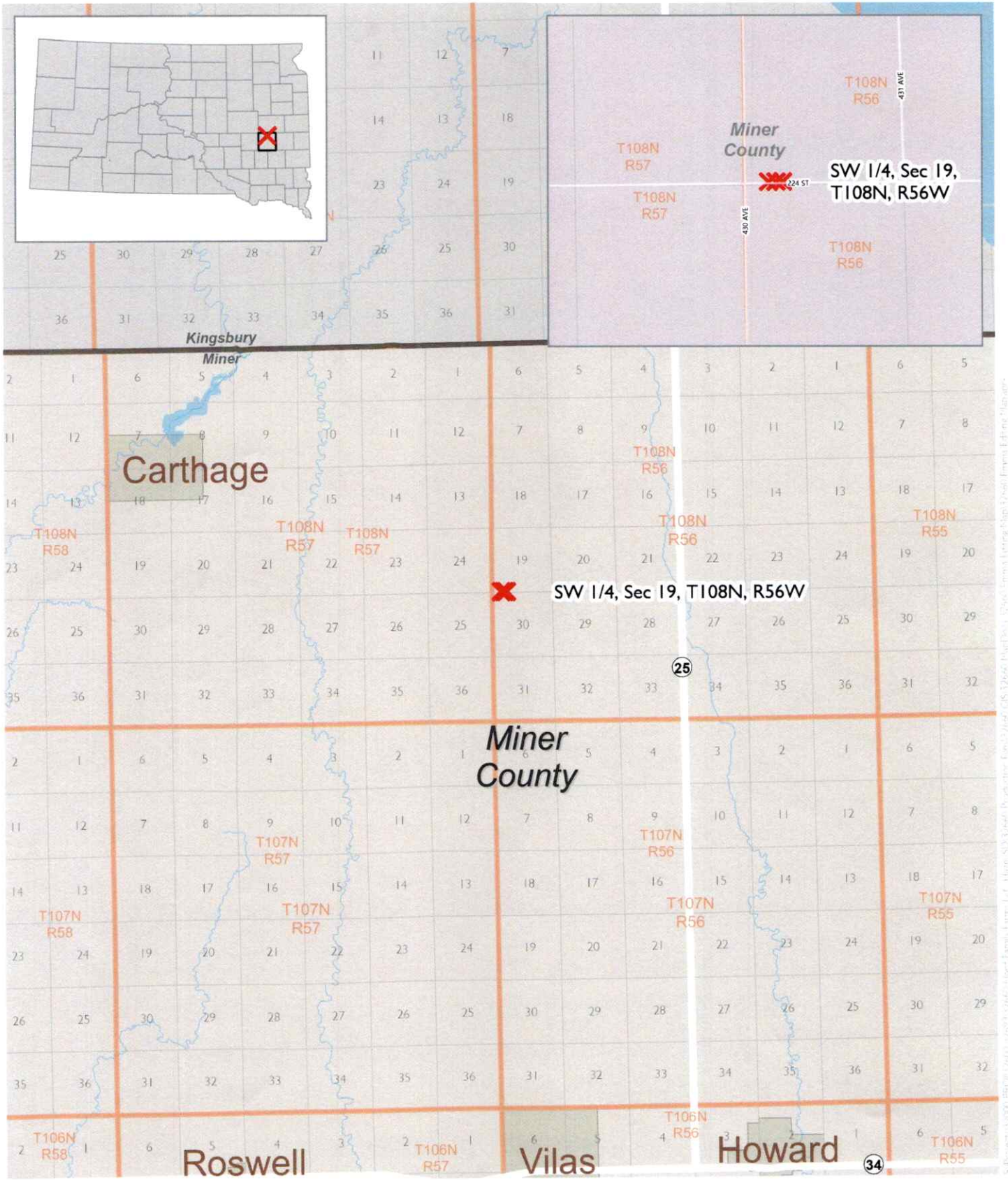
- a) If a private engineering firm or government agency was involved in the design of this dam, please give their name and address:

- b) Freeboard \_\_\_\_\_
- c) Crest Width \_\_\_\_\_  
 Crest Length \_\_\_\_\_
- d) Height \_\_\_\_\_
- e) Primary Outlet Capacity \_\_\_\_\_

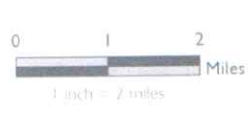
- If pipe, diameter \_\_\_\_\_
- f) Secondary Spillway Capacity \_\_\_\_\_  
 Spillway Width \_\_\_\_\_
- g) X & Y Slope (e.g. 3 to 1 is a typical slope)  
 Upstream \_\_\_\_\_  
 Downstream \_\_\_\_\_

- h) Area of Impoundment \_\_\_\_\_
- i) Storage \_\_\_\_\_ Acre Feet
- j) Drainage Area Above Dam \_\_\_\_\_ Acres





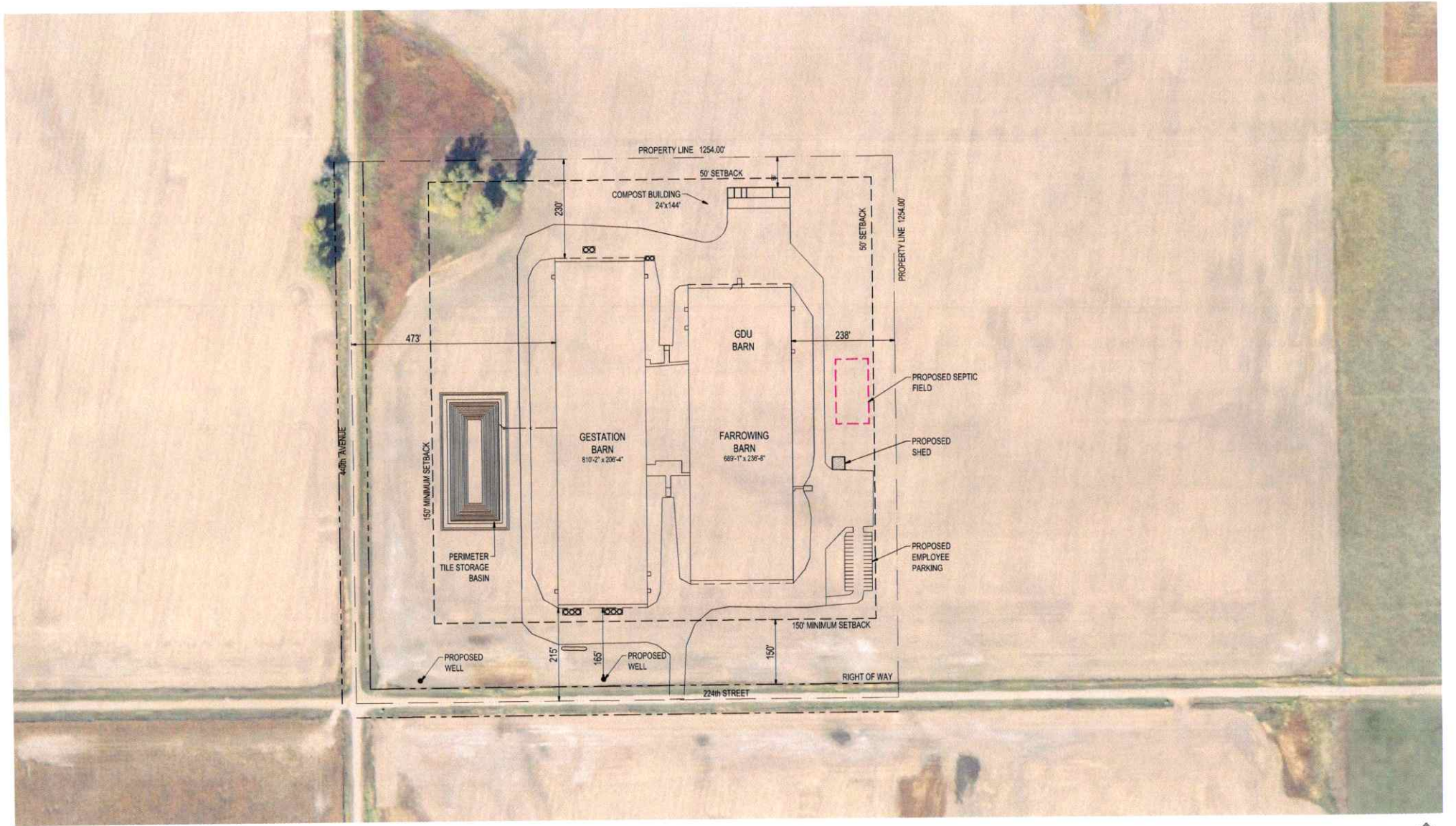
Wednesday, January 21, 2026



**Figure 1**  
**Project Location Map**  
**Hord Family Farms Well Permit Application**  
**Miner County, South Dakota**

Source(s):  
 Municipalities (SD DOR, 7/1/2017)  
 Hydrography (USGS NHD, 9/14/2017)  
 Counties (US Census, 2010)  
 Roads (SD DOT)





WELL LOCATIONS 2025-6-10



Architecture + Engineering + Environmental + Planning

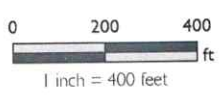
**HORD FAMILY FARMS, LLC**  
 MINER COUNTY, SOUTH DAKOTA  
 ISG PROJECT NO. 25-32660

ISGinc.com



Wednesday, January 21, 2026

S:\Projects\32000 PROJ\32600-32699\32660 Hord Family Farms LLC-Hazel SPD\32640 Production Files\32640 GIS\32660 MapDocs\32660 Emma Editing Map\32660 Emma Editing Map.aprx



**Figure 2**  
**Site Map**  
**Hord Family Farms Well Permit Application**  
Miner County, South Dakota

Source(s):  
Orthophoto (ESRI, 2024)



108N 57W Section: 11      108N 57W Section: 12      108N 56W Section: 07      108N 56W Section: 08      108N Section: 09

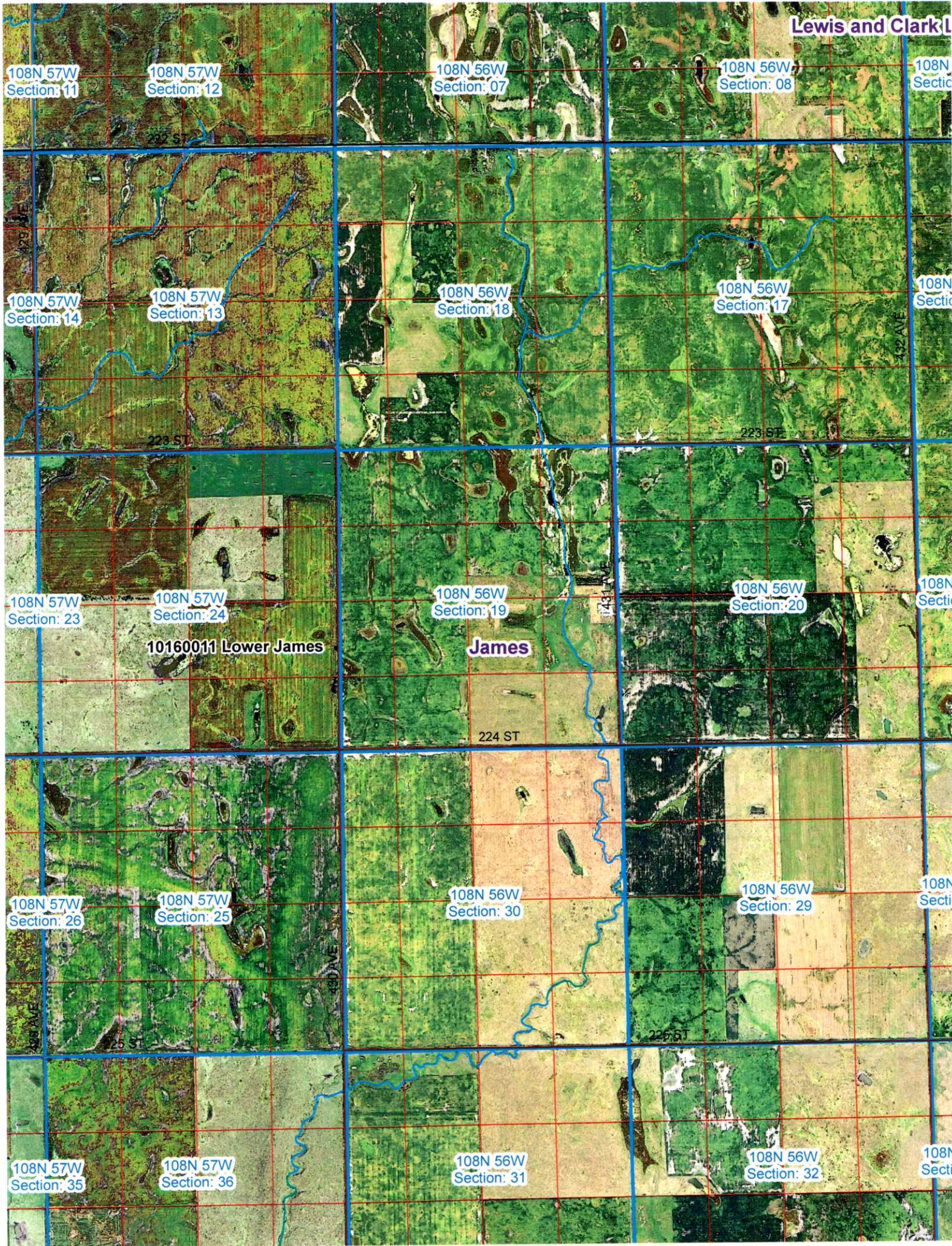
108N 57W Section: 14      108N 57W Section: 13      108N 56W Section: 18      108N 56W Section: 17      108N Section: 16

108N 57W Section: 23      108N 57W Section: 24      108N 56W Section: 19      108N 56W Section: 20      108N Section: 19

10160011 Lower James      **James**

108N 57W Section: 26      108N 57W Section: 25      108N 56W Section: 30      108N 56W Section: 29      108N Section: 18

108N 57W Section: 35      108N 57W Section: 36      108N 56W Section: 31      108N 56W Section: 32      108N Section: 17



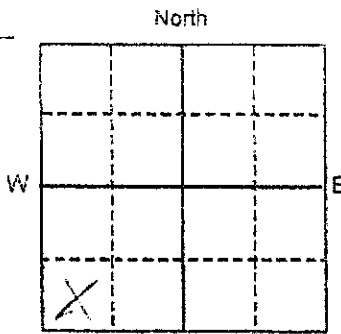
# SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location S6W4 S44W4 Sec 19 Twp 108 Rg 56

County Miner

Please mark well location with an "X"



Well Completion Date

12-22-25

Distance to nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)?  
ft. from \_\_\_\_\_ (identify source)

**PROPOSED USE:**

- Domestic/Stock     Municipal     Business     Test holes  
 Irrigation     Industrial     Institutional     Monitoring well

**METHOD OF DRILLING:**

Mud Rotary

**CASING DATA:**

Steel     Plastic     Other

If other describe Stainless Steel

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>250</u> LB/FT	<u>5</u> IN	<u>0</u> FT	<u>900</u> FT	<u>778</u> IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

**GROUTING DATA:**

Grout Type Portland No. of Sacks 150 Grout Weight 15 Lb/gal From 0 Ft To 900 Ft

Describe grouting procedure

Pumped through 5" pipe

**SCREEN:**

Perforated pipe     Manufactured  
 Diameter 2" inches Length 40 Feet  
 Material Stainless Steel  
 Slot Size 1025 Set From 900 Feet to 960 Feet  
 Other information \_\_\_\_\_

WAS A PACKER OR SEAL USED?  Yes     No

If so, what material? Cement  
Describe packer(s) and location 900'

DISINFECTION: Was well disinfected upon completion?

Yes, How? Chlorine

Lab to which water quality sample sent for analysis

Well Owner: Pipestone  
Business Name: Buckeye  
Address: 1801 Forman Drive  
City, State, Zip: Pipestone, MN 56464

**WELL LOG:**

FORMATION	DEPTH	
	FROM	TO
<u>TOP SOIL</u>	<u>0</u>	<u>5</u>
<u>Yellow Clay</u>	<u>5</u>	<u>30</u>
<u>Blue Clay</u>	<u>30</u>	<u>135</u>
<u>Chalk</u>	<u>135</u>	<u>235</u>
<u>Shale</u>	<u>235</u>	<u>540</u>
<u>CONCRETE</u>	<u>540</u>	<u>580</u>
<u>Shale</u>	<u>580</u>	<u>740</u>
<u>Dakota</u>	<u>740</u>	<u>960</u>

STATIC WATER LEVEL 150 FEET  
If flowing: closed in pressure \_\_\_\_\_ PSI  
GPM flow \_\_\_\_\_ through \_\_\_\_\_ Inch pipe  
Controlled by  Valve  Reducers  Other \_\_\_\_\_  
Reduced flow rate \_\_\_\_\_ GPM  
Can well be completely shut in? \_\_\_\_\_

**WELL TEST DATA:**

Pumped Describe: Air  
 Balled  
 Other  
Pumping Level Below Land Surface  
150 Ft. After 12 Hrs. pumped 15 GPM  
\_\_\_\_\_ Ft. After \_\_\_\_\_ Hrs. pumped \_\_\_\_\_ GPM  
If pump installed, pump rate: \_\_\_\_\_ GPM

**REMARKS**

This well was drilled under license # 722 and this report is true and accurate.

Drilling firm: Stretch's Well Service Inc.

Signature of license Representative: [Signature]

Signature of Well Owner or Equitable Property Holder: \_\_\_\_\_

Date: \_\_\_\_\_

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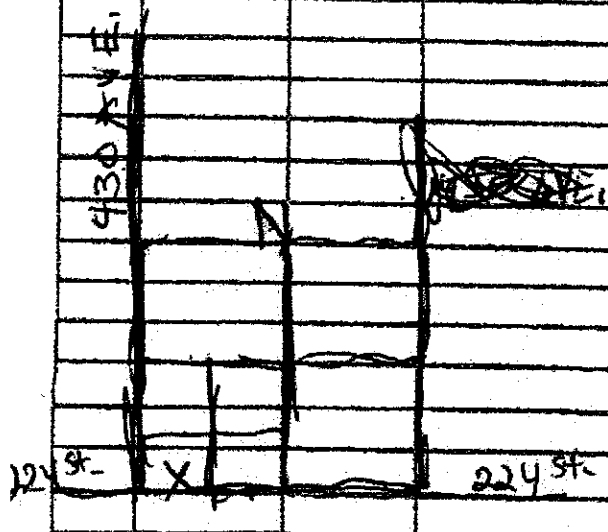
Water Rights  
Program

Pipestone Buckeye Carriage S.D. 12-22-2015 Goldie Paul Hofer  
 Feders Job Name S. TC Location Date Rig No. Foreman

Jk # Depth Time Remarks

Sand packed Artesian Well  
 T.D. 960'  
 900' 5" SDR17 PVC Pipe  
 60 Bags Cement  
 60' 2" 303 Stainless steel screen  
 200' 2" PVC SCH 80 Pipe Leader  
 150 lbs. of #30 Redflint sand  
 Pumped w/ air at 280'  
 20 G.P.M.  
 Water head 150'  
 Pumped w/ Sub. 50 G.P.M.

0 - 900' 7 7/8" Hole  
 900' - 960' 4 3/4" Hole



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Pipestone Feeders

Job Name Site

Carthage S.D.

11-14-2025

Guldie

Paul Hofer

Dr. #	Depth	Time	Remarks
1-14	20	2:45	Yellow clay
2	40		Yellow clay / 30-40 Blue clay
3	60	10:30	Blue clay w/ 1/2 sd rocks
4	80	10:40	Blue clay
5	100	10:49	Blue clay
6	120	11:03	Blue clay
7	140		Blue clay w/ rocks shale at 135'
8	160	12:00	Chalk
9	180	12:32	chalk
10	200	12:59	chalk
11	220	1:43	chalk
12	240	2:23	chalk shale at 235'
13	260	3:15	shale
14	280	3:24	shale
15	300	3:53	shale
16	320	4:25	shale
17	340	4:45	shale
18	360	5:09	shale
19	380	5:56	shale
20	400		shale
1-19	420	10:34	shale
22	440	10:53	shale
23	460	11:10	shale
24	480	11:35	shale
25	500	12:20	shale
26	520	1:03	shale
27	540	1:31	shale w/ sandy shale streaks Codell
28	560	1:57	shale w/ sandy shale & hard shells
29	580	2:29	" " " " " "
30	600	2:52	" " " " " "
31	620	3:15	shale 7 7/8" Hole 0-645'
32	640	3:53	shale 4 1/2" gear bit at 645'
20	660	11:55	shale
34	680	12:36	shale
35	700	1:46	shale
36	720	2:20	shale
37	740	2:45	shale w/ hard sand last 5'
38	760	3:04	740-760 Poor & hard sand
39	780	3:27	760-780 Poor sand w/ shale breaks
40	800	3:50	780-800 Poor sand & shale

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Boone's Well Service Inc. Drilling Log (008)208-2122 Marty 507-215-0482

Pipetone Feeders  
Bullock Site

Carthage 5.0'

Date 11-30-2025

Log No. Goldie

Foreman Paul Hefer

Job Name, Dept, Time

Remarks

41	820	4:16	Shale w/ Poor sand streaks
42	840	4:42	Shale w/ Sand streaks
43	860		Shale w/ sand streaks & hard shells
44	880	11:29	Shale
45	900	12:07	Shale
46	920	12:18	900-920 Fair sand
47	940	12:30	920-940 Fair sand
48	960	12:41	940-960 Fair sand
49			

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