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FORM 2: Application for irrigation in South Dakota
(type or print)

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Mail to:	No. 8928-3 Hydrologic Unit 10170201
SD DANR, Water Rights 523 E Capitol Ave Pierre, SD 57501-3182 ph. (605) 773-3352	Basin Big Sioux Newspaper Castlewood/Hamlin Co. Republican Watertown Public Opinion (office use only)

Application for Permit to Appropriate Water for Irrigation

Type of Application: [X] **New** [ ] **Vested Right** (Use predates Mar 2, 1955) [ ] **Amendment/Correction to Permit No.** _____

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

1. Name to Appear on Irrigation Permit Premises kept LLLP

Note: The "Name to Appear on Irrigation Permit" must be the name in which the property to be irrigated is held in.

Mailing Address 40884 207th St (Address) Sioux Falls (City) SD (State) 57106 (Zip Code)

Phone _____ Mobile 605-310-5553 Email Jeanclericine yahoo.com

2. Amount of water claimed 1.97 *CFS or 885.5 **GPM _____ ***AF Total Acreage 240
(*Cubic Feet per Second) (**Gallons per Minute) (***Acre Feet - storage capacity of dam/dugout or annual use if applicable)

3. Source of water supply Well

4. Location of point of diversion 1 well in East ½ Sec 17-114N-51W
(example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W)
County Hamlin

5. County or counties where water will be used Hamlin

6. Annual period during which water is to be used 4/1 – 10/31

7. List below each forty-acre division, or lot, or fraction thereof and show number of acres to be irrigated in each.
(Attach sheet if more space is needed)

Land Description	Acres	Land Description	Acres
East ½ Sec 17-114N-51W	240		

8. Give a description of the project. (Attach sheet if more space is needed)

2 center pivots to irrigate approximately 240 acres.

I, Jason Lamb (Name of Person) Tenant (Title (if applicable)), the applicant, certify under 605-881-5436 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)

44.68832/-96.97625

3 m SE Castlewood

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Form 2A
(Complete required and applicable portions only)

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 1 Have test holes been drilled ☒ Yes ☐ No Drilled by Steffl Drilling & Pump Inc
(if yes, please provide copies of logs)

b) If existing wells, how many ___ Provide copy of log(s), if available. Drilled by _____

For either Existing or Proposed Wells:

c) Well Depth **(required)** 230' Depth to Top of Water Bearing Material _____ Depth to Water from Surface _____

d) Distance to nearest domestic well on applicant's property Unknown 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

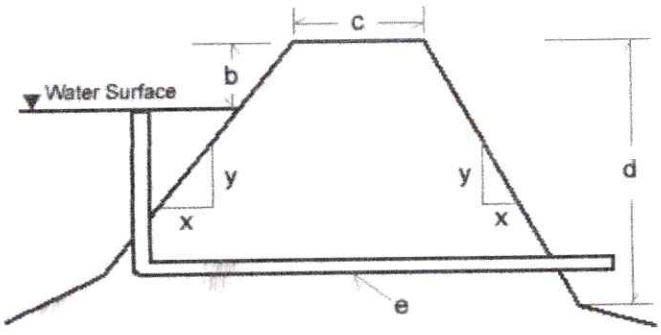
a) Surface Dimensions _____ Depth _____

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) Surface Area of Impoundment _____

i) Storage _____ Acre Feet

j) Drainage Area Above Dam _____ Acres

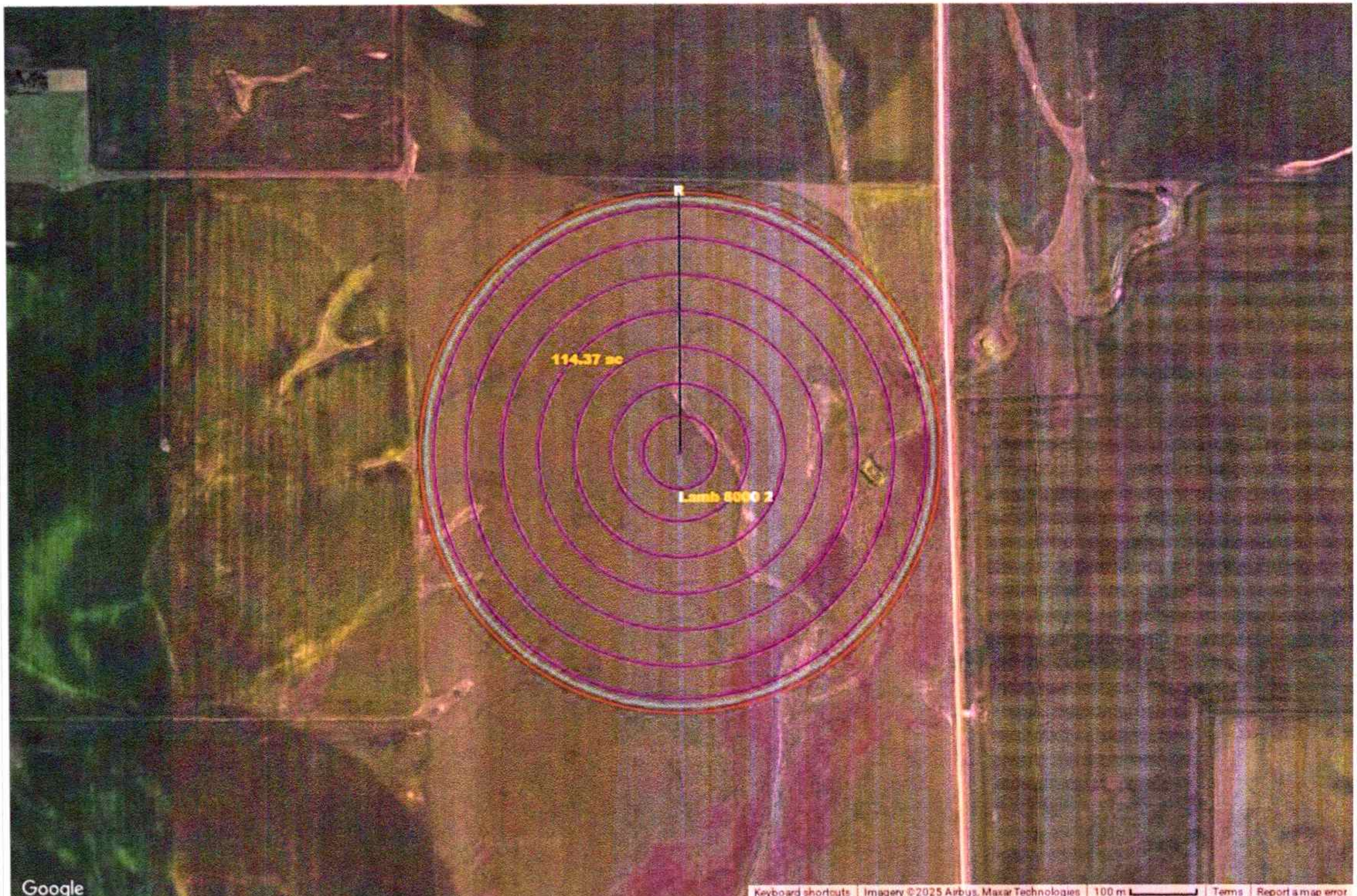
Farmers Implement & Irrigation

VALLEY

Project Name - lamb 1

Field - lamb 1_Field

Map Summary Report - Lamb 8000 2



DRIVE UNITS — LARGEST POTENTIAL MACHINE — GUIDANCE PATH — END OF MACHINE — PRIMARY ENDGUN — SECONDARY ENDGUN — FIELD BOUNDARY

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FARMERS IMPLEMENT & IRR. - 3023 Hwy 14 Bypass, Brookings, SD, 57006, United States

Farmers Implement & Irrigation

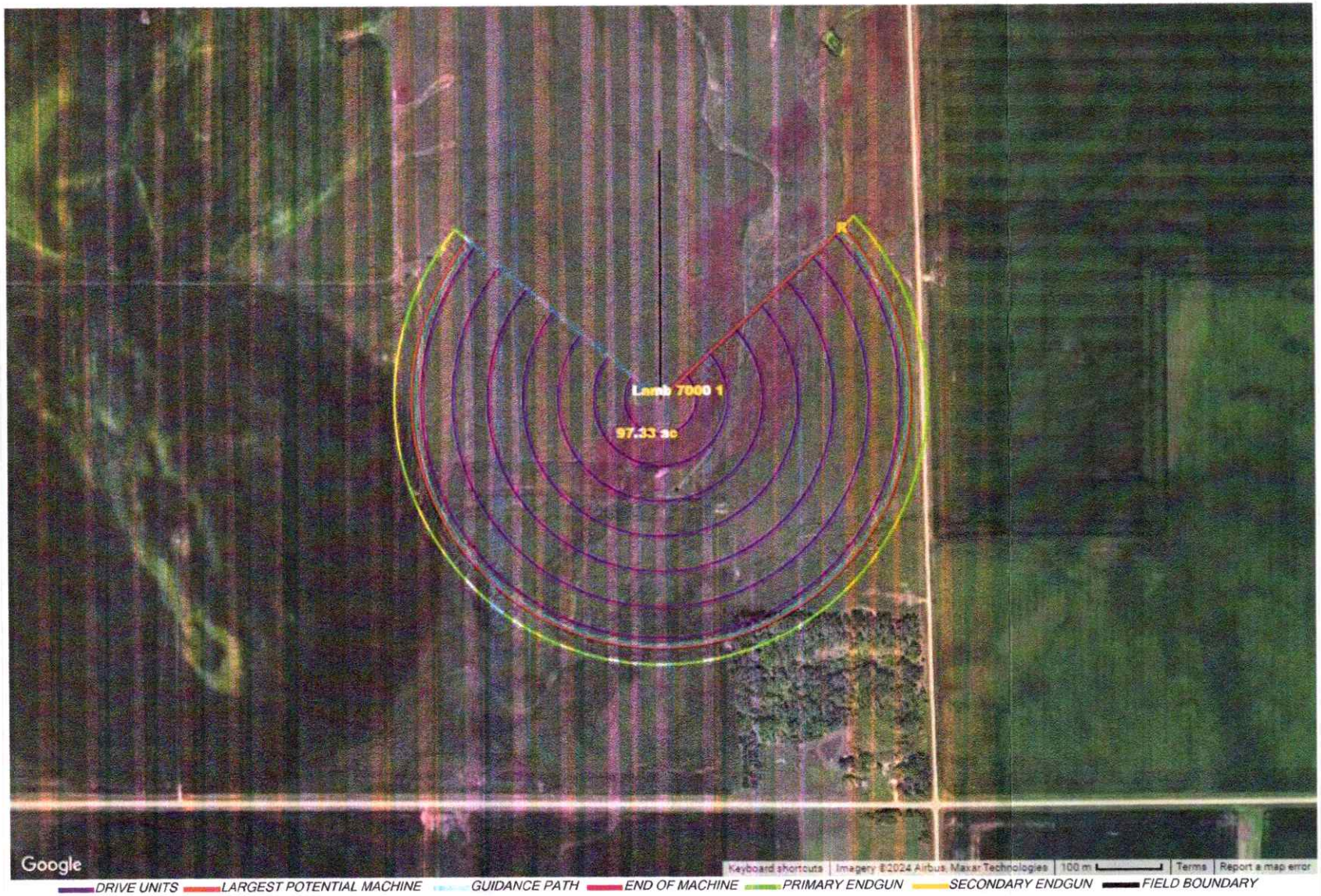
VALLEY

Project Name - lamb

Proposal Name - lamb _1

Ref. No.: QUS24069322

Map Summary Report - Pivot_1_1227202484929925

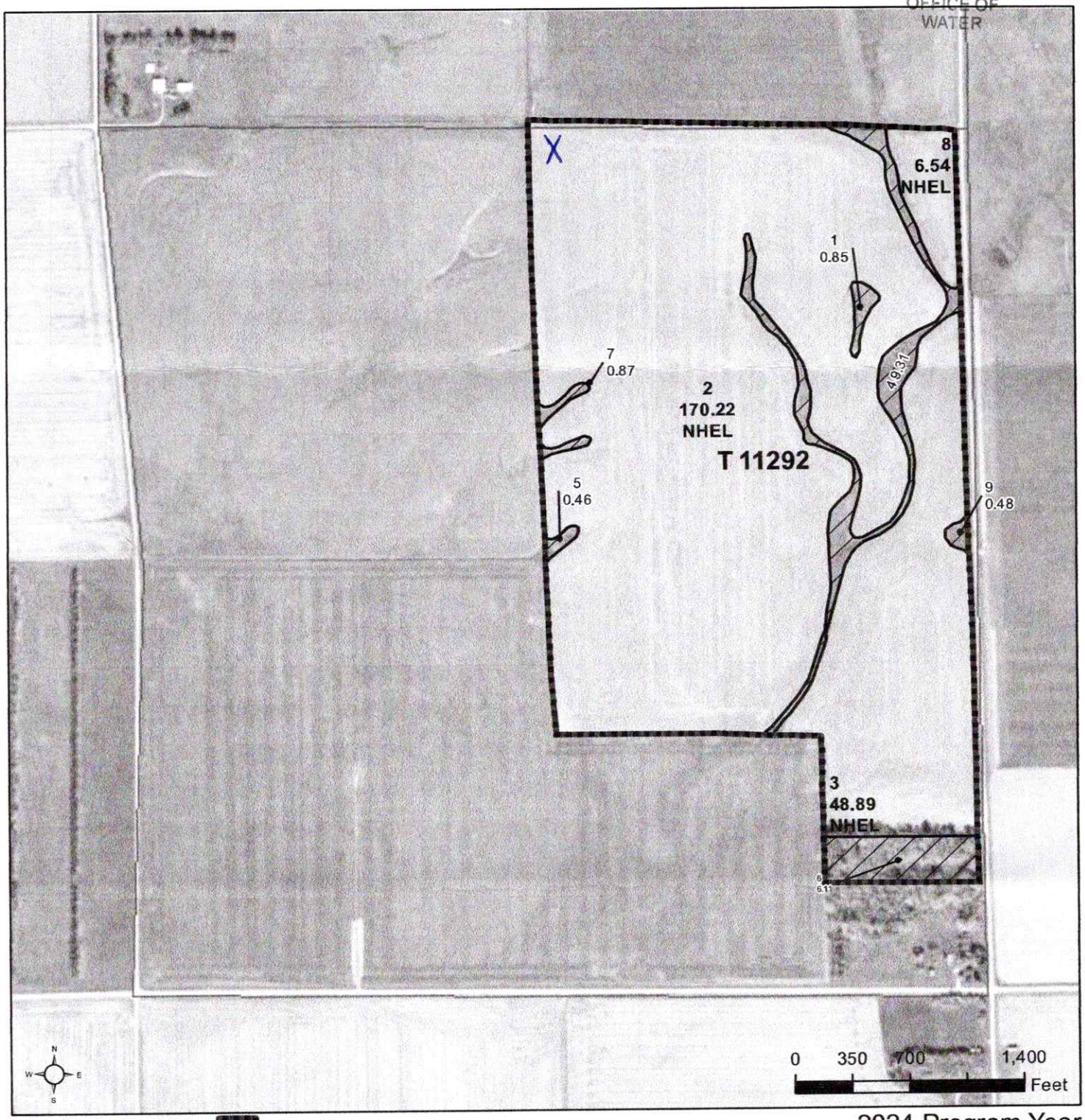


DRIVE UNITS LARGEST POTENTIAL MACHINE GUIDANCE PATH END OF MACHINE PRIMARY ENDGUN SECONDARY ENDGUN FIELD BOUNDARY

FARMERS IMPLEMENT & IRR. - 3023 Hwy 14 Bypass, Brookings, SD, 57006, United States

USDA United States Department of Agriculture

Clark County, South Dakota



Common Land Unit
- Non-Cropland
- Cropland

Tract Boundary
PLSS

Wetland Determination Identifiers
- Restricted Use
- Limited Restrictions
- Exempt from Conservation Compliance Provisions

Unless otherwise noted, crops listed below are:	
Non-irrigated Intended for Grain	Producer initial _____
Corn = Yellow	Date _____
Soybeans = Common	
Wheat - HRS or HRW	
Sunflowers = Oil or Non	

2024 Program Year

Map Created May 16, 2024

Farm **4889**

17-114N-51W-Hamlin

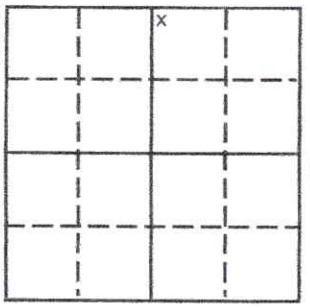
SOUTH DAKOTA WATER WELL COMPLETION REPORT 2024

Location NW ¼ NE ¼ Sec 17 Twp 114 Rg 51

County: HAMLIN

GPS Coordinates
Lat: 44 41 18.60N
Lon: 96 58 36.90W

Please mark well location with an "X" on section grid



Well Completion Date: 11/19/2024

Distance from nearest potential pollution source (Septic tank, abandoned well, feed lot, etc.)
? 2000 ft. from SEPTIC (identify source)

PROPOSED USE:
☐ Domestic/Stock ☐ Municipal ☐ Business ☐ Monitoring Well
☒ Irrigation ☐ Industrial ☐ Institutional ☐ Test Hole
☐ Dewatering Well ☐ Geothermal ☐ Other

METHOD OF DRILLING: ROTARY

CASING DATA: ☐ Steel ☒ Plastic ☐ Other
If other describe

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
LB/FT	12 IN	0 FT	190 FT	17.5 IN
LB/FT	12 IN	230 FT	237 FT	17.5 IN
LB/FT	IN	FT	FT	IN

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
HS BENT	12	Lb/gal	0.0 Ft	180.0 Ft
PACK		Lb/gal	180.0 Ft	237.0 Ft

Describe grouting procedure: TREMIE

SCREEN: ☐ Perforated pipe ☒ Manufactured
Diameter 12 Inches Length 40.0 Feet
Material STAINLESS STEEL
Slot Size 100 Set From 190.0 Feet to 230.0 Feet
Other information

WAS A PACKER OR SEAL USED? ☐ Yes ☐ No
If so, what material?
Describe packer(s) and location

DISINFECTION: Was well disinfected upon completion?
☒ Yes, How? CHLORINE
☐ No, Why Not?
Lab sample sent to for water quality analysis

Well Owner: JERRY OLLERICH
Business Name: PROMISES KEPT LLLP
Address: 46884 267TH ST
City, State, Zip: SIOUX FALLS, SD 57106-7000

WELL LOG:

FORMATION	DEPTH FROM	DEPTH TO
TOPSOIL, BLACK, SOFT	0.0	1.0
CLAY, BROWN, HARD	1.0	50.0
CLAY, BLUE, HARD	50.0	76.0
CLAY, BLUE, STICKY/HARD	76.0	190.0
SAND/GRAVEL, BROWN, MED	190.0	229.0
CLAY, BLUE, HARD	229.0	237.0

STATIC WATER LEVEL 37.0 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: SUBMERSIBLE
☐ Bailed ☐ Air
☐ Other
Pumping Level Below Land Surface
55.8 Ft. After 14.5 Hrs. pumped 885.5 GPM
Ft. After Hrs. pumped GPM
If pump installed, pump rate: GPM

REMARKS
IRR WELL (TH #4)

This well was drilled under license # 463
And this report is true and accurate.
Drilling firm: STEFFL DRILLING & PUMP INC
Signature of License Representative:
Signature of Well Owner or Equitable Property Holder:
Date:

Please return White Copy to DANR Water Rights 523 E. Capitol Ave., Pierre SD 57501

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Steffl
DRILLING & PUMP

(320) 235-8484
2295 66th Ave NE
Willmar, MN 56201-9246
steffl@waterwelldrilling.com

Owner: Promises Kept LLLP
Tested by: Brandon S & Cadin T
Date: **11-26-24**
Well Information:

Unique Well# : IRR Well (TH4)
GPS: 44 41 19.93N 96 58 36.87
Totalizer: Start: 21143500 End: 21911200

Length of Casing: 190'
Length of Screen: 40'
Total Well Depth: 230'
Static Water Level: 37'
Pump Capacity:

Motor HP 40 Voltage 460
Motor MFG: FE
Pump Model & MFG: 800
GPM 885.47 PWL 55.75 HRS 14hrs 27min

TIME	GPM	PWL	TOTALIZER	SAND	COMMENTS
11/26/24					
1:53pm		37	21143500		Start Pump
1:54pm	800	43.00			
1:55pm		44.45			
1:56pm		45.01			
1:57pm	840	45.30			
1:58pm		45.52			
1:59pm		45.75			
2:00pm		45.90			
2:01pm		45.90			
2:02pm		46.01			
2:03pm	840	46.17			Totalizer: 21151900
2:08pm		46.53			
2:13pm	860	46.95			Totalizer: 21160700
11/27/24					
4:20am		55.75			Shut Down
					Generator not running when arrived
9:50am					Recovery = 43.00
					Totalizer: 21911200 – 21143500 =767700
					1:53pm – 4:20am = 867 min
					767700 ÷ 867 = 885.47

The data stated above is representative of the time spent pumping at the capacities stated. Deviation from either time spent pumping or capacity or both could change the outcome of these results.