

RECEIVED
AUG 27 2014
WATER RIGHTS PROGRAM

Mail to: PMB 2020 DENR - Water Rights 523 E Capitol Ave Pierre, SD 57501-3182 ph. (605) 773-3352	No. <u>8043-3</u> (office use only) Hydrologic Unit <u>10170162</u>
	Basin <u>Vermillion River</u>
	Newspaper <u>Plain Talk, 201 W Cherry, Vermillion 57069</u> <u>605 624-2695 (Fri)</u>
	<u>Press, Dakotan, 319 Walnut, Yankton 57078</u>

Application For Permit To Appropriate Water For Irrigation

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

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

1. Name to Appear on Irrigation Permit Robert P. Walsh

(check one) Owner Tenant/lessee Owner's Legal Agent

(name and complete address if different than above name)

Mailing Address 47844 County Rd 1B Elk Point SD 57025
(Address) (City) (State) (Zip Code)

Home Phone 605-356-2762 Cell 605-670-0486 Email rpwalsh@vyn.midco.net

2. Amount of water claimed 4.2³ *CFS or 1,900 **GPM ***AF Total Acreage 391.9
(*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout or annual use if applicable)

3. Source of water supply Groundwater Well (Dakota Sandstone Aquifer)

4. Location of point of diversion 2 wells. 1 well on the western edge of the SE 1/4 NW 1/4 section 8-95N-51W.
(example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W)

1 well on the eastern edge of the NE 1/4 of the SE 1/4 section 7-95N-51W County Clay

5. County or counties where water will be used Clay

6. Annual period during which water is to be used April through September

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
See Attached Sheet for the 12 forty acre divisions.	391.9		

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

The groundwater from the well will be used to irrigate crop producing farm ground. The well in section 8 will supply water to two pivots. The south pivot will be a corner system. The other pivot will be on the 67 acre field north of Ash Creek. The well in section 7 will supply water to one pivot in the 105 acre field. The section 7 well will also supply water to a subsurface irrigation system in the 27 acre field north of Ash Creek in the future. The two wells may be connected together using underground. I may use additional subsurface irrigation in the future.

I, Robert P. Walsh, the applicant, certify that I have read this application, have examined the attached map, and that the matters stated are true.

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**Robert P. Walsh Irrigation Permit Divisions
Line 7 Supplemental Information
Each 40 Acre Division**

Division	Land Description	Acres
1	NE 1/4 of the NE 1/4 Sec 7-T95N-R51W	27.2
2	SE 1/4 of the NE 1/4 Sec 7-T95N-R51W	27.4
3	NE 1/4 of the SE 1/4 Sec 7-T95N-R51W	38.6
4	SE 1/4 of the SE 1/4 Sec 7-T95N-R51W	38.6
5	NW 1/4 of the NW 1/4 Sec 8-T95N-R51W	26.5
6	NE 1/4 of the NW 1/4 Sec 8-T95N-R51W	34.9
7	SW 1/4 of the NW 1/4 Sec 8-T95N-R51W	22.8
8	SE 1/4 of the NW 1/4 Sec 8-T95N-R51W	20.0
9	NW 1/4 of the SW 1/4 Sec 8-T95N-R51W	38.9
10	NE 1/4 of the SW 1/4 Sec 8-T95N-R51W	39.0
11	SW 1/4 of the SW 1/4 Sec 8-T95N-R51W	39.0
12	SE 1/4 of the SW 1/4 Sec 8-T95N-R51W	39.0
Total Acres in Sec 7 & Sec 8:		391.9

SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location se ¼ nw ¼ Sec 8 Twp 95n Rg 51w

Well Owner: Robert Walsh

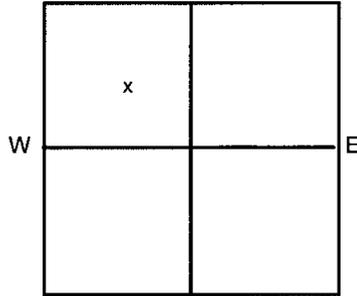
County Clay North

Business Name: _____

Address: 47844 County Road 1B

City, State, Zip: Elk Point SD 57025

Please mark well location with an "X"



Well Completion Date

August 20, 2014 ← 1 Mile →

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

PROPOSED USE:

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

METHOD OF DRILLING:

Direct Rotary

CASING DATA:

Steel Plastic Other

If other describe none

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
LB/FT	IN	FT	FT	IN

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
		Lb/gal	Ft	Ft
<u>Bentonite</u>	<u>24</u>	<u>9.4</u>	<u>0</u>	<u>520</u>
		Lb/gal	Ft	Ft

Describe grouting procedure

Tremie

SCREEN:

Perforated pipe Manufactured
 Diameter _____ Inches Length _____ Feet
 Material _____
 Slot Size _____ Set From _____ Feet to _____ 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? _____
 No, Why Not? _____
 Lab to which water quality sample sent for analysis _____

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
Topsoil, dark brown	0	2
clay, brown, silty (Loess?)	2	10
Clay, brown, silty, pebbly (till)	10	32
Clay, gray brown, silty, pebbly (till)	32	98
sand, medium	98	100
Shale, dk gray, silty clay, fissile	100	230
Siltstone, gray, (Greenhorn LS?)	230	260
claystone, v. silty	260	410
sandstone, very fine, (Dakota Fm)	410	494

STATIC WATER LEVEL 160' estimated 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: _____
 Bailed
 Other

Pumping Level Below Land Surface

_____ Ft. After _____ Hrs. pumped _____ GPM

_____ Ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate: _____ GPM

REMARKS

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This well was drilled under license # 666 and this report is true and accurate.

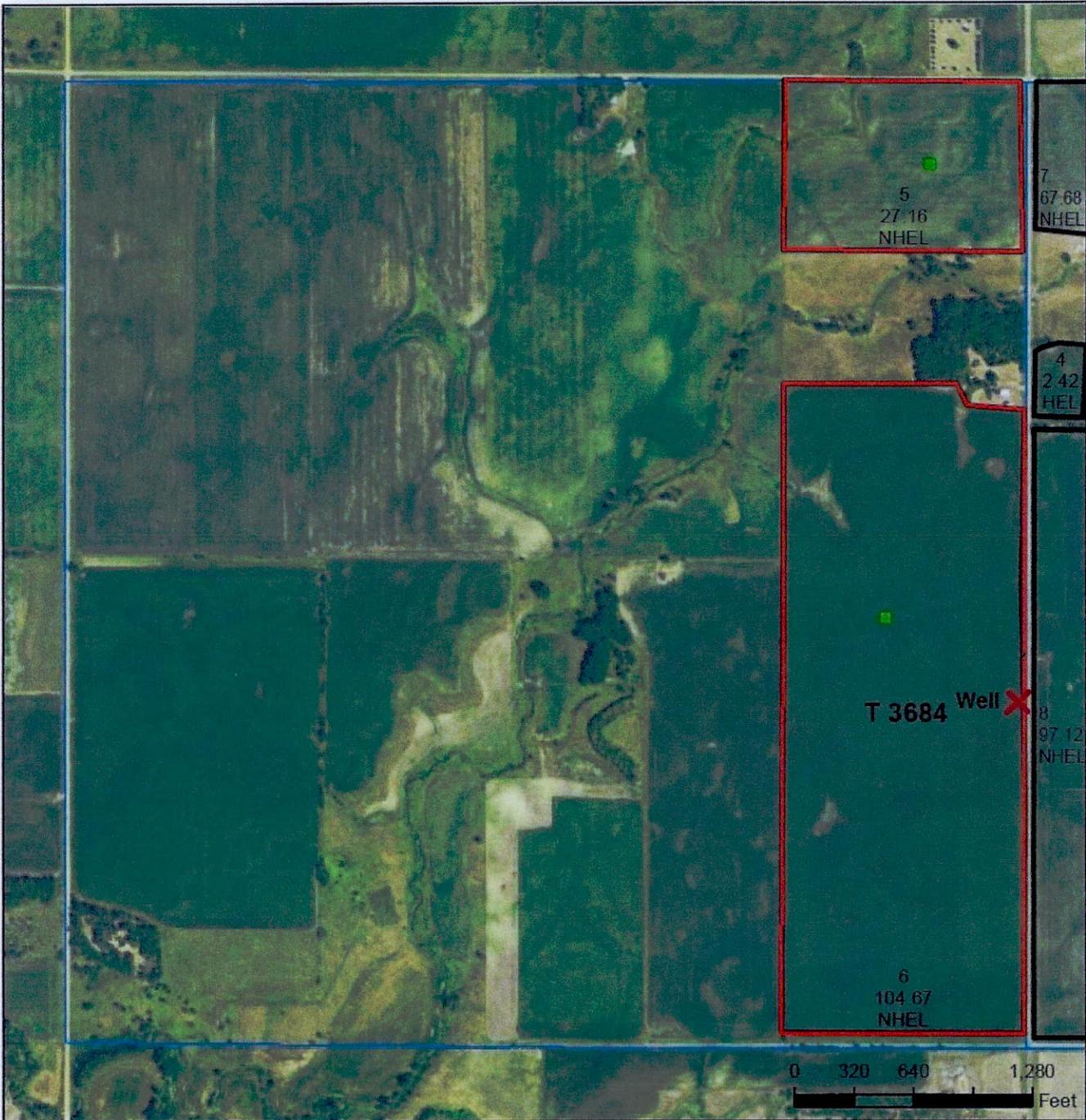
Drilling firm: Hammond-Wetmore Drilling, LLC

Signature of License Representative:

R. A. [Signature]

Signature of Well Owner or Equitable Property Holder:

Date: 8/22/2014



- Common Land Unit**
- Cropland
 - Non-cropland
 - Conservation Reserve Program
- Wetland Determination Identifiers**
- Restricted Use
 - Limited Restrictions
 - Exempt from Conservation Compliance Provisions
- Tract Boundary Section Line

Area to be permitted for irrigation outlined in red

2014 Program Year

Map Created February 20, 2014

Farm 6063



2012 Ortho-Photography - not to scale

Map Date: 2-20-2014

7 -95N -51W

United States Department of Agriculture (USDA) Farm Service Agency (FSA) maps are for FSA Program administration only. This map does not represent a legal survey or reflect actual ownership; rather it depicts the information provided directly from the producer and/or National Agricultural Imagery Program (NAIP) imagery. The producer accepts the data 'as is' and assumes all risks associated with its use. USDA-FSA assumes no responsibility for actual or consequential damage incurred as a result of any user's reliance on this data outside FSA Programs. Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-025 and attached maps) for exact boundaries and determinations or contact USDA Natural Resources Conservation Service (NRCS).

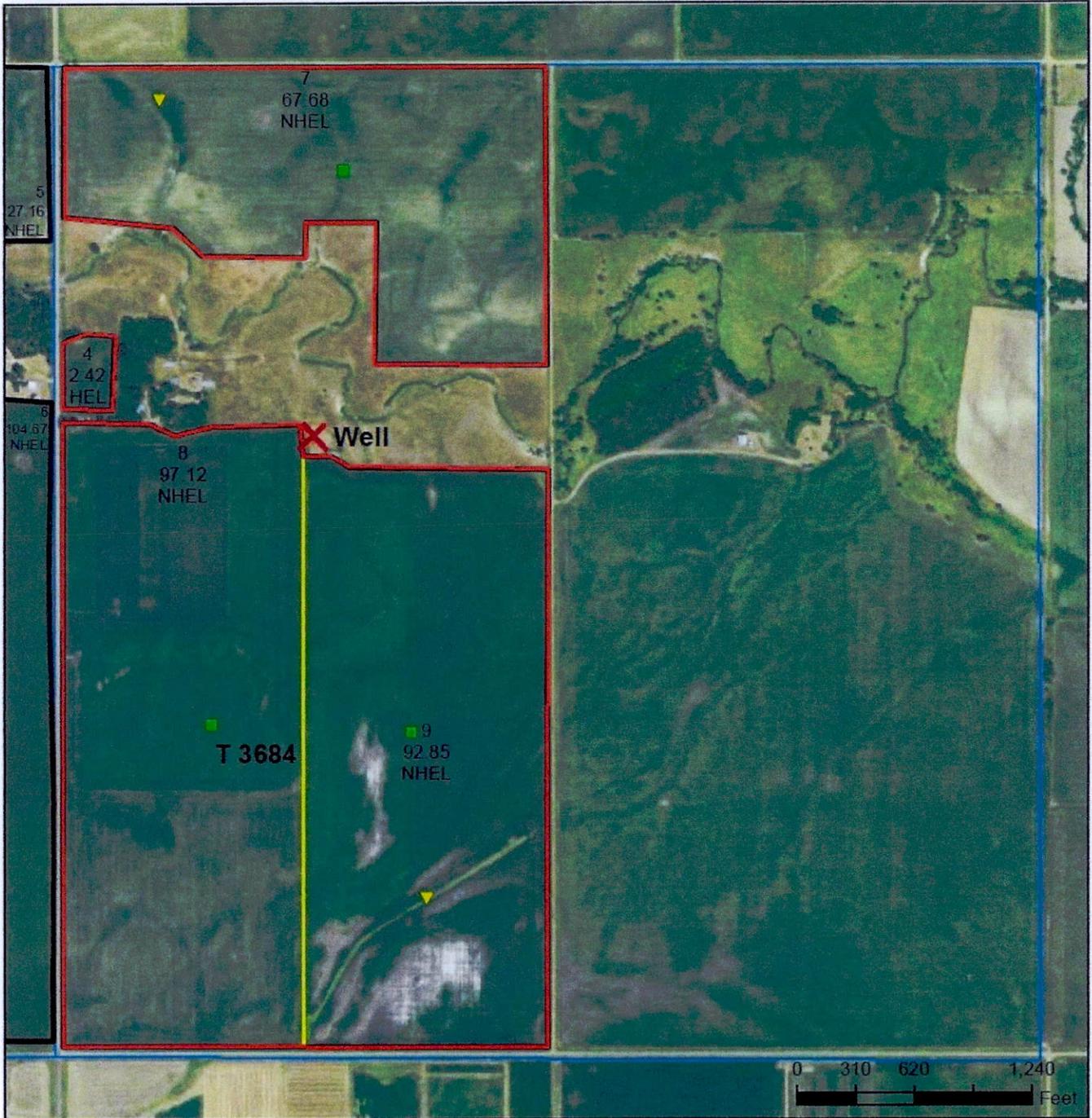
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GLENWOOD TWP

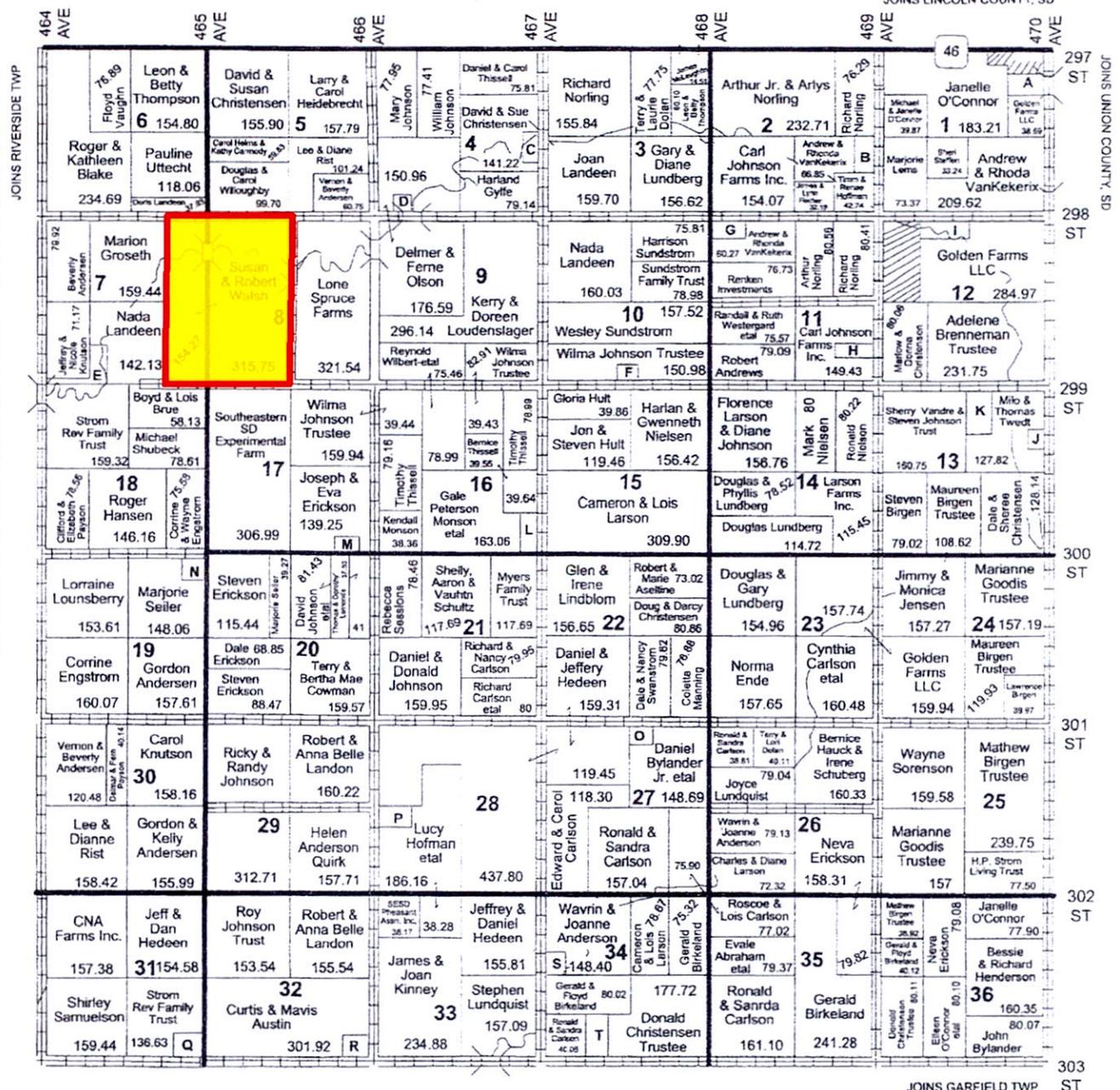
LAND OWNER

T 95 N

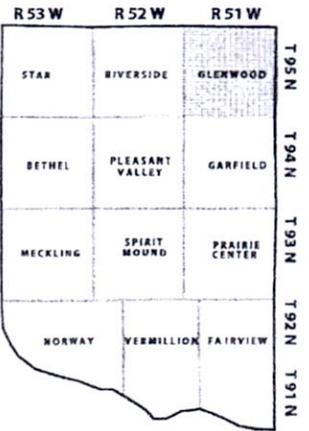
R 51 W

JOINS LINCOLN COUNTY, SD

LAND OWNER AND RURAL RESIDENT MAPS



JOINS GARFIELD TWP



Small Tracts

- Section 1 A Jason Weatherton - 23.99
- Section 2 B Arcol Inc. - 16.36
- Section 4 C Gerald & Michelle Landeen - 17.31
- Section 7 D Duane Olson - 7.96
- Section 10 F Mark & Andrea Mowery - 10
- Section 11 G Mae Sundstrom - 19.20
- Section 12 H Ronald Nielsen - 10.02
- Section 13 I Carl & Marilyn Weatherton - 26.18
- Section 13 J Christopher & Amelia Savey - 6.38
- Section 13 K Troy Swee - 26.42
- Section 16 L Kendall Monson - 19.19
- Section 17 M Laurel Smith - 17.31
- Section 19 N Gordon & Kelly Anderson - 7.10
- Section 27 O James & Jessica Ness - 7.99
- Section 28 P Naomi & Bradley Ellwanger - 11.82
- Section 31 Q Kenton & Patricia Norin - 20.01
- Section 32 R Barry & Vicky Cahoon - 13.61
- Section 34 S Charles & Diane Larson - 9.13
- T Nada Hult Landeen - 20.03

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