

WATER PERMIT NO. 7599-3

Name of Applicant: James M Rand

Address: 27871 452nd Ave, Parker SD 57053 Phone: 605 297-9873

Amount of Water Claimed: 2.22 cfs Total Acres: 155 acres

Source of Water Supply: groundwater (2 wells)

Water to be used for: irrigation County: Turner

Type of Waste Disposal System:

Location: 3 miles south of Parker

PRIORITY Date Received: 12-28-12 Application/License Fee: \$ 1050

Corrected Application Received: Period of Annual Use: June 1 – Sept 30

Remarks:

Diversion Point: SE 1/4 SW 1/4 Sec 32-T99N-
R53W

Land to be Irrigated: SW 1/4 Sec 32-T99N-R53W

Depth of Well: 105 feet deep

Well Driller: Hammon Wetmore Drilling

Remarks:

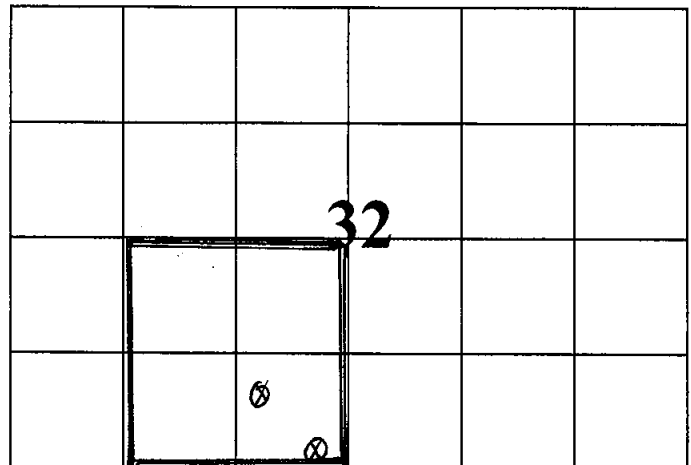
Type of Map: aerial

Prepared by:

Reviewed and the Number Assigned on: 1-2-13

By: Karen Schlaak

Notice of Hearing - date to intervene: _____



SD EForm - 0499LD V4

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

Mail to:
PMB 2020
DENR - Water Rights
523 E Capitol Ave
Pierre, SD 57501-3182
ph. (605) 773-3352

(office use only)
No. 7599-3 Hydrologic Unit 10170102
Basin Vermillion River 605-297-4449
Newspaper New Era Box 579 Parker 57053
605-297-4419
Argus Leader Box 5034 Sioux Falls 57117

RECEIVED
DEC 28 2012
WATER RIGHTS
PROGRAM

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 James M. Rand
(check one) ☒ Owner ☐ Tenant/lessee ☐ Owner's Legal Agent
(name and complete address if different than above name)
Mailing Address 27871 452nd Ave. Parker SD 57053
(Address) (City) (State) (Zip Code)
Home Phone 297-9873 Cell 941-9873 Email sranda@amfam.com

2. Amount of water claimed 2.22 *CFS or 1000 **GPM ***AF Total Acreage 155
(*Cubic Feet per Second) (**Gallons per Minute) (***) Acre Feet - storage capacity of dam/dugout or annual use if applicable)

3. Source of water supply irrigation well

4. Location of point of diversion 2 wells in SW 1/4 Sec 32-T99N-R53W
(example - 3 wells in SW 1/4 NE 1/4 section 12-T104N-R53W)
CSE 1/4 SW 1/4 County Turner

5. County or counties where water will be used Turner

6. Annual period during which water is to be used June 1 Sept 30

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
NW 1/4 - SW 1/4 Sec 32-99N-53W	39		
NE 1/4 SW 1/4 Sec 32-99N-53W	39		
SE 1/4 SW 1/4 Sec 32-99N-53W	39		
SW 1/4 SW 1/4 Sec 32-99N-53W	38		

8. Give a description of the project. (Attach sheet if more space is needed)
We have drilled 2 test holes that hold promise for enough water to irrigate one quarter of ground. I hope one well is all that is needed and will develop the well in the SE corner of the quarter first.

James M. Rand, the applicant, certify that I have read this application, have examined the attached map, and that the matters stated are true.

2012-09

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)

**SOUTH DAKOTA
WATER PERMIT NO. 7599-3**

Date of first receipt of application December 28, 2012.

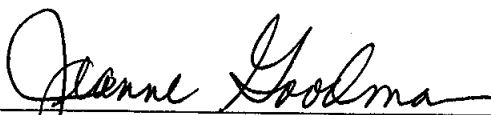
The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 7599-3 to James M Rand, 27871 452nd Ave, Parker SD 57053 authorizing the construction of the water use system and the placing of water to beneficial use subject to the following limitations, conditions and qualifications:

1. Water Permit No. 7599-3 appropriates 2.22 cubic feet of water per second from two wells to be completed into the Parker:Centerville Aquifer (105 feet deep) located in the SE 1/4 SW 1/4 Section 32 for irrigation of 155 acres located in the SW 1/4 Section 32; all in T99N-R53W.
2. The amount of the appropriation may not exceed 2 acre feet annually for each acre of land to which water is actually and beneficially applied for irrigation. The water is to be used during the following described annual period: June 1 – September 30.
3. The date from which applicant may claim right is December 28, 2012.
4. The date of approval of Permit No. 7599-3 is March 11, 2013.
5. One-fifth of the construction is to be completed on or before September 11, 2015.
6. All construction is to be completed on or before March 11, 2018.
7. Water is to be put to beneficial use on or before March 11, 2022.
8. Water rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

QUALIFICATIONS

1. The wells approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
2. The wells authorized by Permit No. 7599-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) pursuant to Section 74:02:04:28.
3. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

WATER MANAGEMENT BOARD

By: 

Jeanne Goodman, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

APR 12 2013

date



Form 2A

(Complete applicable portions only)

Supplemental Information

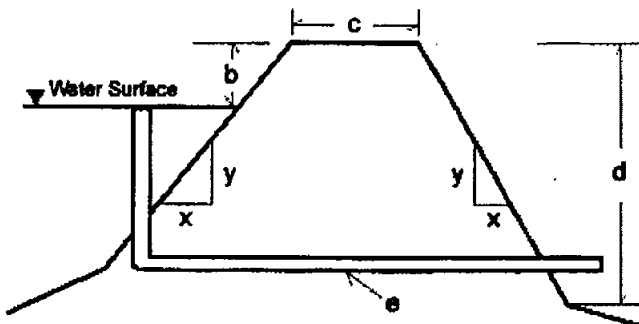
(type or print)

1. Well Information (check one or both as applicable) ☒ Drilling new well(s) ☐ Using existing well(s)a) If new wells, how many 1-2 Have test holes been drilled ☒ Yes ☐ No Drilled by Hammond Wetmore Drilling
(if yes, please provide copies of logs)b) If existing wells, how many Provide copy of log(s), if available. Drilled by c) Well Depth 105' Depth to Top of Water Bearing Material 26' Depth to Water from Surface 20'

d) Distance to nearest existing domestic well:

On applicant's property none On property owned by others 2600'**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 Feetj) Drainage Area Above Dam Acres



United States Department of Agriculture
Farm Service Agency

PLSS: 32_99N_53W
Farm: 1233

Turner County, SD

1:8,274

November 23, 2010



Wetland Determination Identifiers

- Restricted Use
- ▽ Limited Restrictions
- Exempt from Conservation Compliance Provisions

Common Land Units

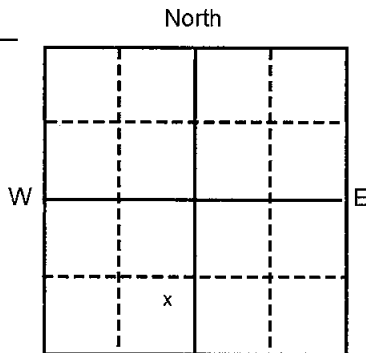
//// Non Cropland

Disclaimer: Wetland identifiers do not represent the size, shape or specific determination of the area.
Refer to your original dermination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS.

2010 Ortho-Photography - Not to Scale

SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location se 1/4 SW 1/4 Sec 32 Twp 99n Rg 53wCounty TurnerPlease mark well
location with an "X"

Well Completion Date

10/9/12

1 Mile

 Distance to nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)?
2,500.0 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 _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
LB/FT	IN	FT	FT	IN
				4.00
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
bent grout	5	9.5 Lb/gal	0.0 Ft	120.0 Ft
		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? _____

 Lab to which water ☒ No, Why Not? NA
 quality sample sent for analysis
Well Owner: Jim Rand

Business Name: _____

Address: 27871 452 AveCity, State, Zip: Parker sd 57053

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
clay, brown, silty, pebbly (Till)	0	40
sand, medium to coarse	40	42
gravel, med-coarse, 52' take water	42	115
clay, grey, silty	115	120

STATIC WATER LEVEL

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

43°20'44.2"

097°08'05.1"

This well was drilled under license # 666 and this report is true and accurate.Drilling firm: Hammond wetmore Drilling

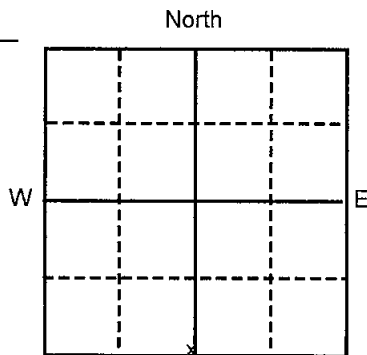
Signature of License Representative: _____

Signature of Well Owner or Equitable Property Holder: _____

Date: _____

SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location se 1/4 SW 1/4 Sec 32 Twp 99n Rg 53WCounty TurnerPlease mark well
location with an "X"

Well Completion Date

10/9/12

1 Mile

 Distance to nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)?
2,500.0 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

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
LB/FT	IN	FT	FT	4.00 IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
bent grout	6	9.5 Lb/gal	0.0 Ft	153.0 Ft
		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? NA
 Lab to which water
 quality sample sent for analysis
Well Owner: Jim Rand

Business Name: _____

Address: 27871 452 AveCity, State, Zip: Parker sd 57053

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
clay, brown, silty, pebbly (Till)	0	10
sand, medium to fine	10	14
clay, tan, silty, pebbly	14	26
gravel, some sand beds	26	105
clay, gray, silty, pebbly	105	152
quartzite?, no penetration	152	153

STATIC WATER LEVEL

_____ 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

43°20'38.2"
097°07'57.2"

 This well was drilled under license # 666 and this
 report is true and accurate.
Drilling firm: Hammond wetmore Drilling

Signature of License Representative: _____

Signature of Well Owner or Equitable Property Holder: _____

Date: _____

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date 1/2, 20 13

RECEIVED OF Rand Farms James M Rand 27871 452nd Ave Parker SD 57053

The following amount in fees for services rendered as provided for by law:

Fee for Application for Permit No. <u>7599-3</u> to Appropriate Water, to construct and to put water to beneficial use	850	00
Fee for Application for Permit No. _____ to Appropriate Water for Future use		
Fee to retain Future Use Permit No. _____ after period of seven years.		
Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water License No. <u>7599-3</u>	200	00
Fee for Filing Transfer Form _____		
Fee for _____		
Fee for Issuing New Well Driller's License No. _____ for C.Y. _____		
Fee for Renewal of Well Driller's License No. _____ for C.Y. _____		
Fee for Issuing Well Pump Installer's License No. _____ for C.Y. _____		
Fee for Renewal of Well Pump Installer's License No. _____ for C.Y. _____		
(Any Other Work Provided by Law)	TOTAL	1050 00

No. **05836**

By

Richard E. Leary
Chief Engineer



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

denr.sd.gov

**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 7599-3, James M Rand**

Pursuant to SDCL 46-2A-2, the following is the recommendation of the Chief Engineer, Water Rights Program, Department of Environment and Natural Resources concerning Water Permit Application No. 7599-3, James M Rand, 27871 452nd Avenue, Parker SD 57053.

The Chief Engineer is recommending APPROVAL of Application No. 7598-3 because 1) there is reasonable probability that there is unappropriated water available for the applicant's proposed use, 2) the proposed diversion can be developed without unlawful impairment of existing rights, 3) the proposed use is a beneficial use and 4) it is in the public interest with the following qualifications:

1. The wells approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
2. The well authorized by Permit No. 7599-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) pursuant to Section 74:02:04:28.
3. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

See report on application for additional information.

Garland Erbele, Chief Engineer
February 20, 2013

REPORT TO THE CHIEF ENGINEER

WATER PERMIT APPLICATION NO. 7599-3

James M Rand

February 11, 2013

Water Permit Application No. 7599-3 proposes to appropriate up to 310 acre-feet per year (ac-ft/yr) at a maximum diversion rate of 2.22 cubic feet of water per second (cfs) from two wells to be completed into the Parker Centerville aquifer. The wells are expected to be approximately 105 feet deep and are to be located in the SE¼ SW¼ of Section 32 to irrigate 155 acres located in the SW¼ of Section 32, all in T99N-R53W in Turner County.

AQUIFER: Parker Centerville aquifer (PAC)

GEOLOGY AND AQUIFER CHARACTERISTICS:

The Parker Centerville is a surficial outwash consisting of fine sand to coarse gravel and is unconfined in the area of the proposed well site. The aquifer underlies portions of Turner, Lincoln, and Clay Counties; these areas are quantified in Table 1. The Parker Centerville aquifer connects to the Vermillion East Fork and Vermillion West Fork aquifers directly to the north of the proposed well site, and is also hydraulically connected to the underlying Upper Vermillion Missouri aquifer (Lindgren and Hansen, 1990). The aquifer is also hydraulically connected to the West and East Fork of the Vermillion River and groundwater movement is probably towards the rivers (Lindgren & Hansen, 1990).

Table 1: Areas of the Parker Centerville aquifer (Hedges and others, 1982; Lindgren and Hansen, 1990; Niehus, 1997)

County	Lincoln	Turner	Clay	Total
Area (acres)	16,000	47,360	3,700	67,060

The proposed well sites are located just outside the area of the Parker Centerville aquifer mapped by Lindgren and Hansen (1990). When comparing the two test hole logs submitted with this application to a nearby well completion report for Water Right No. 5024-3, which appropriates water from the Parker Centerville aquifer, it is evident that the proposed wells will also be completed in this aquifer. This information is shown in Table 2. Test hole 2 is located approximately 900 feet southeast of test hole 1; Water Right No. 5024-3 well is located approximately 2,200 feet southeast of test hole 2. A SD DENR-Water Rights Program test hole, located approximately 1,000 feet west of test hole 1, does not document aquifer materials at these elevations, indicating that the test holes completed for this application are on the western edge of the aquifer (Water Rights, 2013c).

Table 2: Test hole data submitted with this application and well completion report data from Water Right No. 5024-3 (Water Rights, 2013b)

	Test hole 1	Test hole 2	Water Right No. 5024-3
Ground surface elevation	1335	1310	1295
Elevation of top of aquifer materials	1295	1284	1289
Elevation of bottom of aquifer materials	1220	1205	1236
(feet above mean sea level)			

SDCL 46-2A-9

Pursuant to SDCL 46-2A-9, a permit to appropriate water may be issued only if there is a reasonable probability that there is unappropriated water available for the applicant's proposed use, that the proposed diversion can be developed without unlawful impairment of existing rights and that the proposed use is a beneficial use and in the public interest. This report will address the availability of unappropriated water and existing rights from the aquifer that are pertinent to this application.

WATER AVAILABILITY:

This application proposes to appropriate 310 ac-ft/yr from the Parker Centerville aquifer. If this application is approved, the actual water use will likely be less than the appropriation. The probability of unappropriated water available from an aquifer can be evaluated by considering SDCL 46-6-3.1, which requires "No application to appropriate groundwater may be approved if, according to the best information reasonably available, it is probable the quantity of water withdrawn annually from a groundwater source will exceed the quantity of the average estimated annual recharge of water to the groundwater source."

Hydrologic Budget:

Recharge:

Recharge to the Parker Centerville aquifer occurs due to infiltration of precipitation in areas where the aquifer is at or near land surface. Hedges and others (1985) estimated the recharge rate of this aquifer to be 4.9 inches per year (in/yr). Table 3 shows the recharge, in ac-ft/yr, based on the area of the aquifer.

Table 3: Recharge to the Parker Centerville aquifer (Hedges and others, 1982; Lindgren and Hansen, 1990; Niehus, 1997)

County	Lincoln	Turner	Clay	Total
Recharge (ac-ft/yr)	6,533	19,339	1,511	27,383

Discharge:

Discharge from the Parker Centerville aquifer occurs due to evapotranspiration in areas where the aquifer is near land surface, outflow to the Vermillion River, and well withdrawals from municipal and irrigation use. Currently there are 125 water rights/permits appropriating from this aquifer (Water Rights, 2013b).

The amount of water that can be expected to be withdrawn by the non-irrigation use water rights/permits can be estimated by assuming water rights/permits limited only by diversion rate will pump at the maximum permitted diversion rate at 60 percent of the time. Therefore, the total annual withdrawal from the Parker Centerville aquifer by non-irrigation use is expected to be less than 339 ac-ft/yr; all of which is withdrawn in Turner County (Water Rights, 2013b).

In addition, there are many well completion reports on file with the SD DENR-Water Rights Program for domestic wells that appear to be completed into the Parker Centerville aquifer (Water Rights, 2013c). The annual withdrawal due to domestic use is not significant to the hydrologic budget of the aquifer.

The irrigation development of the Parker Centerville aquifer over the period of record, 1979 to 2011, has remained at the same general level. For irrigation use from this aquifer, there are currently 112 water rights/permits in Turner County, 11 water rights/permits in Clay County, and no water rights/permits in Lincoln County (Water Rights, 1980-2011). The annual use is shown Figure 1. Since 2011, one other water permit application was submitted proposing up to 60 ac-ft/yr (Water Rights, 2013b). The full use of these approved or proposed appropriations is assumed for this hydrologic budget.



Figure 1: Historic irrigation water use from the Parker Centerville aquifer (Water Rights, 1980-2012)

Hydrologic Budget:

The average annual withdrawal from the Parker Centerville aquifer is estimated to be less than the estimated annual recharge, both in total and by county. Therefore, there is a reasonable probability that unappropriated water is available from the Parker Centerville aquifer for the proposed appropriation of 310 ac-ft/yr.

Observation Well Data:

Administrative Rule of South Dakota Section 74:02:05:07 requires that “the Water Management Board shall rely upon the record of observation well measurements to determine that the quantity of water withdrawn annually from the aquifer does not exceed the estimated average annual recharge of the aquifer.”

The SD DENR-Water Rights Program monitors 24 observation wells in the Parker Centerville aquifer. The nearest observation well, TU-79C, is located approximately one third mile southwest of the proposed well site. The associated hydrograph is shown in Figure 2 (Water Rights, 2013a).

The observation well data documents cyclic conditions of water levels, recharging during wet years and declining during dry years. This data documents that, at the current level of development, temporal well withdrawal is masked by climatic conditions. Therefore, recharge to and natural discharge from the Parker Centerville aquifer significantly exceeds pumping, indicating that unappropriated water is available from the aquifer to support the proposed appropriation of 310 ac-ft/yr.

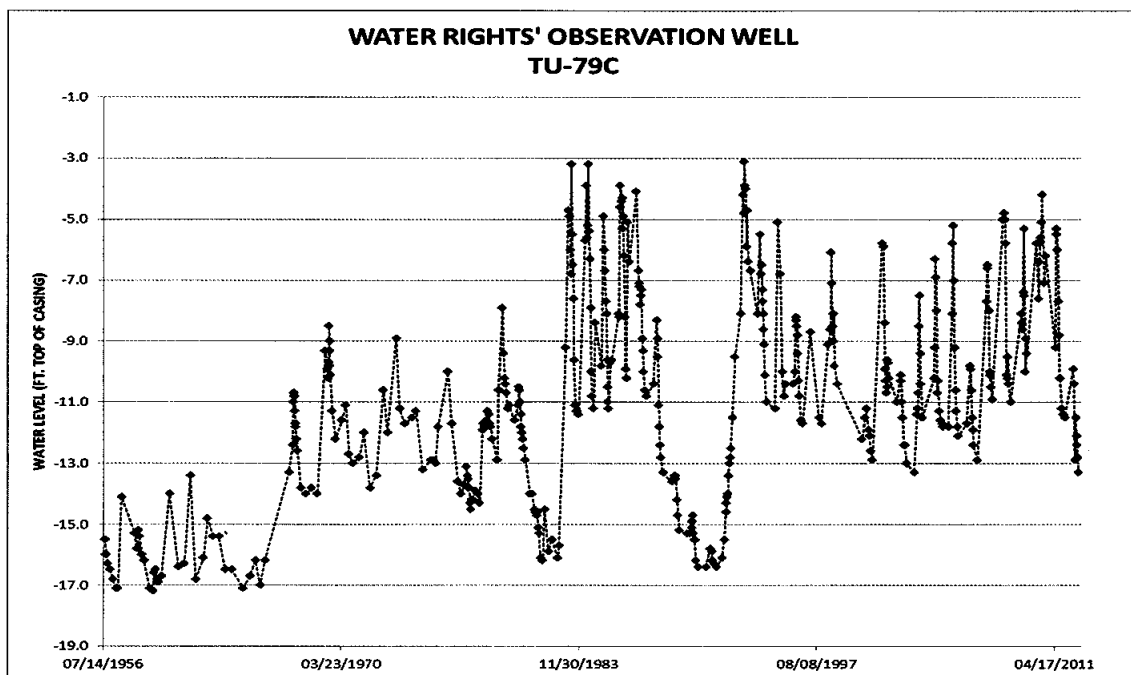


Figure 2: Hydrograph for observation well TU-79C (Water Rights, 2013a)

EXISTING WATER RIGHTS:

Within one mile of the proposed well sites, there are six water rights/permits appropriating groundwater from hydraulically connected aquifers, shown in Table 3. (Water Rights, 2013b). There are also several well completion reports on record with the SD DENR-Water Rights Program for domestic wells within one mile of the proposed well sites that could be completed into the Parker Centerville aquifer (Water Rights, 2013c). Most of the development is south and east of the proposed well sites, with the nearest well, authorized by Water Right No. 5024-3, located approximately one half mile from the nearest proposed well site.

Table 3: Water Rights within one mile of the proposed well sites (Water Rights, 2013b)

Permit No.	Name	Priority Date	Status	Aquifer	Type	CFS	Acres
157-3	Craig Flyger	06/01/1955	LC	PAC	IRR	0.77	54
180-3	Craig Flyger	04/27/1956	LC	UVM	IRR	2.28	160
3955-3	Russell C Wirt	04/19/1977	LC	PAC	IRR	0.87	61
4736-3	James J Davis	04/06/1981	LC	PAC	IRR	2.22	233
5024-3	Randy Wirt	07/13/1984	LC	PAC	IRR	0.87	61
5506-3	James J Davis	12/20/1990	LC	NBRR	IRR	1.11	0
LC = Water Right, IRR = Irrigation PAC = Parker Centerville, UVM = Upper Vermillion Missouri, NBRR = Niobrara							

The water table conditions of the aquifer in this area dictate that drawdown due to pumping would probably not be significant far from the proposed well site. The Water Management Board has consistently recognized that to place water to maximum beneficial use a certain amount of drawdown may occur. However, reasonable domestic use must be assured before irrigation use is allowed. At the distances involved, a nearby adequate well defined by ARSD 74:02:20(7), which states that the pump intake must be set 20 feet below the top of the aquifer or, if the aquifer is less than 20 feet thick, as near to the bottom of the aquifer as is practical, is not expected to be adversely or unlawfully impaired.

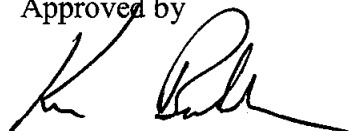
CONCLUSIONS:

1. The application proposes to appropriate 310 ac-ft/yr for irrigation.
2. From the hydrologic budget and the observation well data, there is a reasonable probability that unappropriated water is available from the Parker Centerville aquifer to supply the proposed appropriation.
3. There is a reasonable probability that this proposed well will not adversely or unlawfully impair existing nearby wells.



Joseph R Stonesifer
SD DENR-Water Rights Program

Approved by



Ken Buhler
SD DENR-Water Rights Program

REFERENCES:

- Hedges, L.S., Allen, J., and Holly, D.E. 1985. Evaluation of Ground-Water Resources Eastern South Dakota and Upper Big Sioux River, South Dakota and Iowa. Task 7: Ground Water Recharge. South Dakota DENR-Geological Survey, Vermillion, South Dakota.
- Lindgren, R.J., and Hansen, D.S. 1990. Water Resources of Hutchinson and Turner Counties, South Dakota. Water-Resources Investigations Report 90-4093, United State Geological Survey, Huron, South Dakota.
- Niehus, C.A., 1994. Water Resources of Lincoln and Union Counties, South Dakota. Water Resources Investigations Report 93-44195, United State Geological Survey, Rapid City, South Dakota.
- Water Rights. 1980-2012. "Annual Irrigation Summary by Aquifer": SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, South Dakota.
- Water Rights. 2013a. Observation Well Files, SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, South Dakota.
- Water Rights. 2013b. Water Right/Permit Files, SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, South Dakota.
- Water Rights. 2013c. Water Well Completion Reports, SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, South Dakota.

RECEIVED

MAR 18 2013

Affidavit of Publication

WATER RIGHTS
PROGRAM

STATE OF SOUTH DAKOTA
COUNTY OF TURNER

I, Robin Schneider of the City of Parker, County of Turner, State of South Dakota being first duly sworn on oath, deposes and says: The New Era is a weekly legal newspaper of general circulation, printed and published in the City of Parker, in said County of Turner, by The New Era, New Century Press, publishers, and has been such legal newspaper during the times hereinafter mentioned; that the said newspaper has been in existence as such legal newspaper for more than one year prior to the publication of the notice hereunto attached, and has during all of said publication of the notice hereunto attached, and has during all of said time had, and now has, more than 200 bona fide subscribers; that the undersigned, The affiant, is the Office Manager of the said newspaper, in charge of the advertisement department thereof and has personal knowledge of all the facts stated in this affidavit and the advertisement headed:

#5567 Notice of Application No. 7599-3 to Appropriate Water

_____ printed copy of hereto attached, is printed and published in the said newspaper for one successive weeks, one each week and on the same day of the week, on the following dates, to wit:

On Thursday, the 28th day of Feb. , 2013

That \$24.82 being the full amount of the fees for publication of the attached notices insures solely for the benefits of the publishers of the said newspaper, that no arrangement or understanding for a division thereof has been made with any other person and that no part thereof has been agreed to be paid to any other person whomsoever.

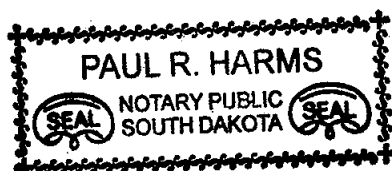
Robin Schneider 16th
Subscribed and sworn to before me this _____

Day of March 2013
Paul R Harms

Notary Public, Turner County, South Dakota

My Commission Expires: March 20, 2018

Publication Fee \$
Notary Fees \$
Total \$24.82



**NOTICE OF APPLICATION NO.
7599-3**

to Appropriate Water

Notice is given that James M. Rand, 27871 452nd Ave, Parker SD 57053 has filed an application for a water permit to appropriate 2.22 cubic feet of water per second from two wells to be completed into the Parker/Centerville Aquifer (105 feet deep) located in the SE 1/4 SW 1/4 Section 32 for irrigation of 155 acres located in the SW 1/4 Section 32, all in T99N-R53W.

Pursuant to SDCL 46-2A-23, the Chief Engineer recommends APPROVAL of Application No. 7599-3 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest. In accordance with SDCL 46-2A-23, the Chief Engineer will act on this application, as recommended, unless a petition is filed opposing the application or the applicant files a petition contesting the Chief Engineer's recommendation. If a petition opposing the application or contesting the recommendation is filed, then a hearing will be scheduled and the Water Management Board will consider this application. Notice of the hearing will be given to the applicant and any person filing a petition.

Any person interested in opposing or supporting this application or recommendation must file a written petition with BOTH the applicant and Chief Engineer. The applicant must file a petition if contesting the Chief Engineer's recommendation. The Chief Engineer's address is: Water Rights Program, Fossil Building, 523 E Capitol, Pierre SD 57501 (605 773-3352) and the applicant's mailing address is given above. A petition filed by either an interested person or the applicant must be filed by March 11, 2013.

The petition may be informal, but must include a statement describing the petitioner's interest in the application, the petitioner's reasons for opposing or supporting the application, and the signature and mailing address of the petitioner or the petitioner's legal counsel, if legal counsel is obtained. Contact Eric Gronlund at the above Water Rights Program address to request copies of information pertaining to this application. Steven M. Pinner, Secretary, Department of Environment and Natural Resources.

Published once at the total approximate cost of \$24.82.

(#5567, 02/28/13, The New Era)

CUSTOMER NUMBER:	078200	Argus Leader P.O. Box 677349, Dallas, TX 75267-7349	
AD ORDER NUMBER:	1408380		
	2/28, 2013		\$62.37pd

Bill James Rand
27871 452nd Ave
Parker, SD 57053

RECEIVED
MAR - 4 2013
WATER RIGHTS PROGRAM

DETACH THIS STUB AND RETURN WITH PAYMENT

PAYMENT DUE UPON RECEIPT

AFFIDAVIT OF PUBLICATION-

Customer Number: 078200
Invoice Number: 1408380

Argus Leader
AFFIDAVIT OF PUBLICATION

STATE OF SOUTH DAKOTA

COUNTY OF MINNEHAHA } ss

Linda Schulte being duly sworn, says: That The Argus Leader is, and during all the times hereinafter mentioned was, a daily legal newspaper as defined by SDCL 17-2-21, as amended published at Sioux Falls, Minnehaha County, South Dakota; that affiant is and during all of said times, was an employee of the publisher of such newspaper and has personal knowledge of the facts stated in this affidavit; that the notice, order or advertisement, a printed copy of which is hereto attached, was published in said newspaper upon

Thursday the 28 day of February 2013 ,
the day of 2013 ,
the day of 2013
the day of 2013 ,
the day of 2013 ,
the day of 2013 ,
the day of 2013 ,

and that \$62.37pd was charged for publishing the same

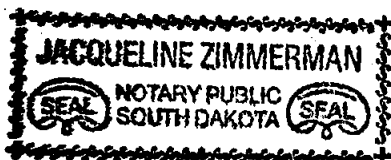
Linda Schulte

Subscribed and sworn to before me 2/28/2013

J. Zimmerman

Notary Public, South Dakota

My Commission expires December 22, 2015



NOTICE OF APPLICATION NO. 7599-3 to Appropriate Water
Notice is given that James M Rand, 27871 452nd Ave, Parker SD 57053 has filed an application for a water permit to appropriate 2.22 cubic feet of water per second from two wells to be completed into the Parker-Centerville Aquifer (105 feet deep) located in the SE 1/4 SW 1/4 Section 32 for irrigation of 155 acres located in the SW 1/4 Section 32; all in T99N-R53W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 7599-3 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest. In accordance with SDCL 46-2A-23, the Chief Engineer will act on this application, as recommended, unless a petition is filed opposing the application or the applicant files a petition contesting the Chief Engineer's recommendation. If a petition opposing the application or contesting the recommendation is filed, then a hearing will be scheduled and the Water Management Board will consider this application. Notice of the hearing will be given to the applicant and any person filing a petition.

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Published once at the total approximate cost of \$62.37.
1408380 Feb. 28, 2013



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

denr.sd.gov

February 21, 2013

New Era
PO Box 579
Parker SD 57053

ATTENTION: Legal Public Notice

Enclosed is a Notice on Application No. 7599-3 to Appropriate Water. Please publish the notice once on February 28, 2013. The text of the notice can be e-mailed to your paper by contacting Karen Schlaak at (605) 773-3352.

The applicant must verify to you that the notice is to be published and arrange for payment. **Please BILL the APPLICANT for the cost of publication.** The APPLICANT is James M Rand, 27871 452nd Ave., Parker SD 57053 (Ph # 605-297-9873).

Please send the Water Rights Program an affidavit or the enclosed Proof of Publication form immediately.

The applicant pays the cost of publication, but the Water Rights Program records require an affidavit or Proof of Publication. Delays in receiving the affidavit can be costly to the applicant.

Sincerely,

Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

denr.sd.gov

February 21, 2013

Argus Leader
PO Box 5034
Sioux Falls SD 57117

ATTENTION: Legal Public Notice

Enclosed is a Notice on Application No. 7599-3 to Appropriate Water. Please publish the notice once on February 28, 2013. The text of the notice can be e-mailed to your paper by contacting Karen Schlaak at (605) 773-3352.

The applicant must verify to you that the notice is to be published and arrange for payment. **Please BILL the APPLICANT for the cost of publication.** The APPLICANT is James M Rand, 27871 452nd Ave., Parker SD 57053 (Ph # 605-297-9873).

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Sincerely,

Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

denr.sd.gov

**NOTE: TO BE SURE OF PUBLICATION ON
THE CORRECT DATE, CONTACT
THE NEWSPAPER(S) RIGHT AWAY.**

February 21, 2013

James M Rand
27871 452nd Ave
Parker SD 57053

Dear Mr. Rand:

Water Permit Application No. 7599-3 for irrigation use has been examined and found to comply with the South Dakota Water Laws and applicable rules. A notice has been sent to the New Era printed at Parker SD (Ph # 605-297-4449) and the Argus Leader printed at Sioux Falls SD (Ph # 605-331-2200). You will need to contact the newspaper(s) and authorize publication of this notice. For your information, a copy of the notice, the recommendation of the Chief Engineer and report on the application are enclosed. Please review the notice prior to publication and notify this office, if you have any corrections or questions.

Be sure to contact the above newspaper(s) to authorize publication of your Notice and to arrange for payment. Early contact with the paper(s) can eliminate delays. Upon receiving authorization from you, the publisher has been instructed to publish your notice. The newspaper has also been instructed to send us the Proof of Publication. We must receive Proof of Publication before action can be taken on the application.

Sincerely,

Eric Gronlund
Natural Resources Engineer
(605) 773-3352

enclosures

NOTE: If you plan to contest any part of the Chief Engineer's recommendation, you must file a petition pursuant to the procedures outlined in the attached notice of hearing. The Water Management Board will then consider your concerns during a hearing on the application.

Instruction to Newspaper - Publish the Notice on February 28, 2013. The applicant is responsible for payment. The text of the notice can be e-mailed to your paper by contacting Karen Schlaak at (605) 773-3352 or email: Karen.schlaak@state.sd.us.

NOTICE OF APPLICATION NO. 7599-3 to Appropriate Water

Notice is given that James M Rand, 27871 452nd Ave, Parker SD 57053 has filed an application for a water permit to appropriate 2.22 cubic feet of water per second from two wells to be completed into the Parker:Centerville Aquifer (105 feet deep) located in the SE 1/4 SW 1/4 Section 32 for irrigation of 155 acres located in the SW 1/4 Section 32; all in T99N-R53W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 7599-3 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest. In accordance with SDCL 46-2A-23, the Chief Engineer will act on this application, as recommended, unless a petition is filed opposing the application or the applicant files a petition contesting the Chief Engineer's recommendation. If a petition opposing the application or contesting the recommendation is filed, then a hearing will be scheduled and the Water Management Board will consider this application. Notice of the hearing will be given to the applicant and any person filing a petition.

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Published once at the total approximate cost of _____.



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

denr.sd.gov

APR 12 2013

James M Rand
27871 452nd Ave
Parker SD 57053

Dear Mr. Rand:

Enclosed is Water Permit No. 7599-3 authorizing construction of your water diversion system and beneficial use of the water, not exceeding the limits as specified in the Water Permit.

Form 10, *Notice of Completion of Works and Application of Water to Beneficial Use*, is enclosed. Please return this completed form after you have finished the system and have put the water to beneficial use. An investigation can then be scheduled so the water license may be issued, thus completing the acquisition of a water right.

An informational sheet *Common Water Right Questions?* is also enclosed. This sheet is intended to answer some of the questions associated with obtaining and keeping a water right.

Sincerely,

Jeanne Goodman, Chief Engineer
Water Rights Program
(605) 773-3352

enclosures

RECEIVED

AUG - 5 2013

WATER RIGHTS
PROGRAMNOTICE OF COMPLETION OF WORKS AND
APPLICATION OF WATER TO BENEFICIAL USE

Date

8-1-13

TO: Water Rights Program, DENR
523 E. Capitol
Pierre, SD 57501-3181

FROM:

James Rand

(name)

22871 45th Ave

(address)

Parkers, SD 57053

(city, state, zip)

605-941-9873

(phone)

I have completed the construction of the water use system and I have put the water to beneficial use to the maximum extent it is going to be used.

Water Permit No. 7599-3 states that the water use system is to be constructed by

3-11-18

(date)

, and water is to be put to beneficial use by

3-11-22

(date)

The water use system was completed on 7-10-13

(date)

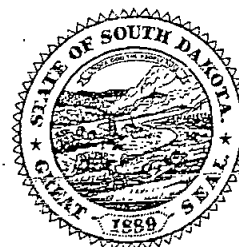
Applying the water to beneficial use was completed on 7-12-13

(date)

You may schedule an investigation so that the water license may be issued.

James Rand

(signature)





**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
PMB 2020
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3182
<http://denr.sd.gov>

August 6, 2013

7599-3

James Rand
27871 452nd Ave
Parker SD 57053

Dear Mr. Rand:

I am writing to acknowledge receipt of the "Notice of Completion of Works" form that you sent in to let us know that you are completed with your irrigation system.

The system is now ready for inspection. Inspections are done on a county-by-county basis as staff time permits. You have done everything you need to do and the intervening time between the completion of your project and the staff inspection has no bearing on your water permit.

Someone from our office will contact you prior to the inspection to set up a time that is convenient for you. If you have any questions, please contact me.

Sincerely,

A handwritten signature in black ink that reads "Genny McMath". The signature is written in a cursive, flowing style.

Genny McMath
Water Rights Program
(605) 773-3352
email: genny.mcmath@state.sd.us

**Report of Examination of Works and/or Application of Water to Beneficial Use
For Permit No. 7599-3**

I have this day, **October 23, 2024**, made a thorough examination of the water use system constructed by **James M Rand, 27871 452nd Ave, Parker, SD 57053** of Permit No. **7599-3**, bearing the priority of **December 28, 2012** authorizing the diversion of **2.22** cu. ft. per second of the waters of the **Parker:Centerville Aquifer** for **irrigation** purposes, in **Turner** County.

A. Works used to divert the water:

Well Information:

- 1) Well Drilling Firm: Steffl Drilling
- 2) No. of Wells 2
- 3) Depth(s) 106 feet
- 4) Well log is available Y

Comments: **Log for only one (1) well but wells are 1000 ft apart**

Casing:

- 1) Diameter 12 inches
- 2) Length 80 feet
- 3) Type Plastic

Screen:

- 1) Type Stainless steel
- 2) Length 26 feet
- 3) Static water level 30 feet

Pump:

- 1) Make 2 Submersibles
- 2) Model Unknown
- 3) Size Unknown
- 4) Capacity 800 GPM (total)

Motor:

- 1) Make Unknwon
- 2) Model No. Unknown
- 3) Horsepower rating Unknown hp

B. Works used to transport water to place of use:

- 1) Type PVC 2) Size 8 inches 3) Length 1850 feet

Comments: xx

C. Works used to apply water to beneficial use:**Center pivot:**

- 1) Make Valley
2) Overall length 1300 feet
3) Number of towers 7
4) End gun Y
5) Capacity 800 GPM

Chemigation Equipment:

- 1) Does chemigate N

D. Compliance with Permit Requirements:

- 1) Permit qualifications being abided by Y
2) Irrigation Questionnaires checked to determine if permit owner started irrigation by the end of construction period Y
3) Exceptions to compliance are: None

E. Condition and Location:

1. The system is in good condition with the point(s) of diversion located as follows: **WELL LOCATIONS**
From the SW corner Sec 32 T99N R53W WELL #1: 700 ft N & 1880 ft E, Lat 43.34573 Long -
97.13483 (SE 1/4 SW 1/4) WELL #2: 50 ft N & 2640 ft E, Lat 43.34395 Long -97.13174 (SE 1/4 SW 1/4)

2. The works are capable of diverting and conveying to the place of use 1.78 cu. ft. per second of water which is to be used for irrigation. Water has been put to beneficial use to the maximum extent as follows:

legal description/acreage

All land in Sec 32 T99N R53W

NW 1/4 SW 1/4 - 33 acres

NE 1/4 SW 1/4 - 33 acres

SE 1/4 SW 1/4 - 34 acres

SW 1/4 SW 1/4 - 33 acres

legal description/acreage

comprising a total of 133 acres of land and the license should be issued for 1.78 cfs

3. All structures, wells and lands on map Y

F. Comments or other permit(s) associated with the project:

FSA maps and the ArcGIS program were used to construct the attached well location and irrigated area map which was used to estimate irrigated acreage.

The flow rate reported on the 2023 Irrigation Questionnaire was used to establish the system flow capacity.

The address and in the permit application is current.

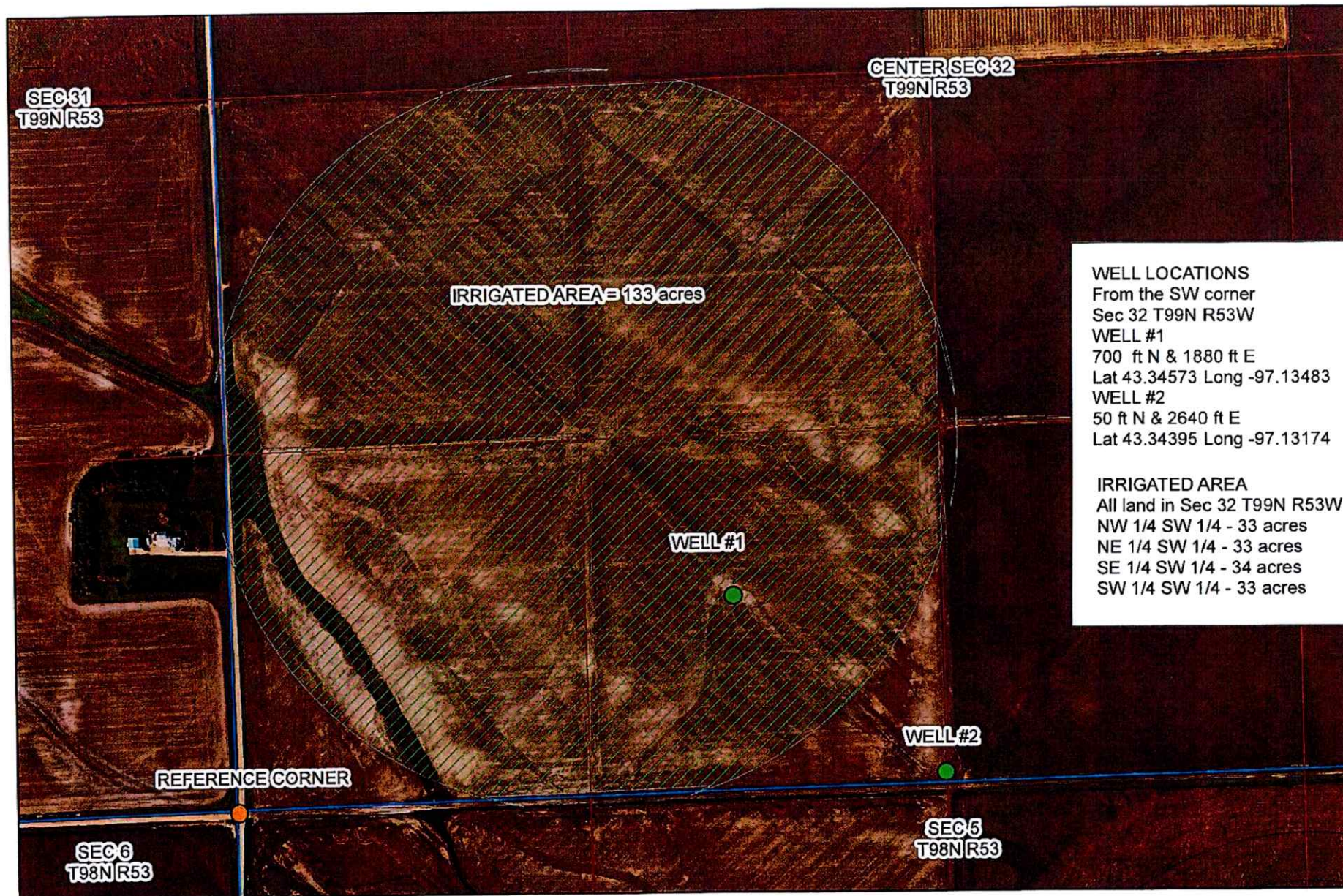
I talked to Mr. James Rand (605/941-9873) on the phone regarding Permit details.

A handwritten signature in black ink, appearing to read "Darrell DeBoer". The signature is fluid and cursive, with the first name "Darrell" and last name "DeBoer" clearly distinguishable.

Darrell DeBoer
Water Rights Inspector
DENR, Water Rights Program

Date report completed: **October 24, 2024**

No. 7599-3



WELL LOCATIONS
From the SW corner
Sec 32 T99N R53W
WELL #1
700 ft N & 1880 ft E
Lat 43.34573 Long -97.13483
WELL #2
50 ft N & 2640 ft E
Lat 43.34395 Long -97.13174

IRRIGATED AREA
All land in Sec 32 T99N R53W
NW 1/4 SW 1/4 - 33 acres
NE 1/4 SW 1/4 - 33 acres
SE 1/4 SW 1/4 - 34 acres
SW 1/4 SW 1/4 - 33 acres



0 405 810 1,620 2,430 3,240 Feet

Darrell DeBoer
Water Right Inspector
DANR-Water Rights Program



**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 E. CAPITOL AVE
PIERRE SD 57501-3182
danr.sd.gov

James M Rand
27966 452nd Ave
Parker, SD 57053

No. 7599-3

Dear Mr. Rand:

Enclosed is Water License No. 7599-3. This is the final water right document completing your process of obtaining a Water Right. Included with your license is a map prepared by the staff engineer who conducted the field investigation.

For your information SDCL 46-6-27 requires that if in the future, the owner of an existing well, constructs a replacement well and does not plan to use the old well, the old well is considered abandoned and must be plugged. Also, any well that is being used or is not considered abandoned must be valved and controlled, if flowing, or sealed and capped so that no leaking occurs either underground or at the surface.

So long as you use the water beneficially, as stated in the Water License, State Water Laws provide that you have a continuing right to use the water. If you have any questions, please contact our office.

Sincerely,

Mark Mayer, PE
Director of Office of Water
(605) 773-3352

enclosures

**STATE OF SOUTH DAKOTA
WATER LICENSE NO. 7599-3**

(1) James M Rand, 27966 452nd Ave, Parker, SD 57053, made Application No. 7599-3, December 28, 2012, for a water permit to divert 2.22 cubic feet of water per second from groundwater, two wells (Parker Centerville Aquifer), Turner County, South Dakota for irrigation purposes. Permit No. 7599-3, with a priority date of December 28, 2012, was approved March 11, 2013, and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before March 11, 2018, and for the application to beneficial use of water on or before March 11, 2022.

The permit holder submitted a Notice of Completion of Works and Application of Water to Beneficial Use form on August 5, 2013. The Notice stated the diversion system was completed on July 10, 2013 and the water was placed to beneficial use on July 12, 2013.

(2) It is certified that the permit holder has complied with the provisions of South Dakota State Law relating to completion of the construction of the water supply system and is entitled to divert 1.78 cubic feet of water per second for beneficial use. The location of the diversion points are:

- 700 feet N and 1,880 feet E from the SE corner Section 32, T99N, R53W (SE $\frac{1}{4}$ SW $\frac{1}{4}$)
(Latitude 43.34573 and Longitude -97.13483)
- 50 feet N and 2,640 feet E from the SW corner Section 32, T99N, R53W (SE $\frac{1}{4}$ SW $\frac{1}{4}$)
(Latitude 43.34395 and Longitude -97.13174)

(3) The amount of appropriation may not exceed 2 acre-feet annually for each acre of land to which water is actually and beneficially applied for irrigation. The water is to be used during the following described annual period: June 1 – September 30.

(4) The permit holder has complied with the provisions of South Dakota State Law relating to the application of water to beneficial use to irrigate to following land:

Section 32, T99N, R53W
NE $\frac{1}{4}$ SW $\frac{1}{4}$ - 33 acres
NW $\frac{1}{4}$ SW $\frac{1}{4}$ - 33 acres
SW $\frac{1}{4}$ SW $\frac{1}{4}$ - 33 acres
SE $\frac{1}{4}$ SW $\frac{1}{4}$ - 34 acres
Total – 133 acres

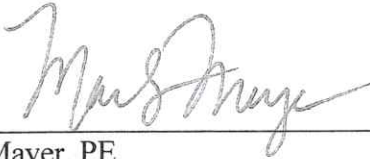
(5) Pursuant to South Dakota Water Law 46-5-30.1 James M Rand, the holder and/or owner of Water Right No. 7599-3 is issued a license to appropriate water, the right to use 1.78 cubic feet of water per second from groundwater, two wells (Parker Centerville Aquifer), with a priority date of December 28, 2012, from the location specified in (2) of this license for irrigation purposes.

This license is subject to South Dakota Water Law, any limitations or conditions listed in Water Right No. 7599-3 and subject to the following qualifications:

continued

Qualifications

1. The wells approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
2. The wells authorized by Permit No. 7599-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) pursuant to Section 74:02:04:28.
3. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.



Mark Mayer, PE
Director of Office of Water



date



WATER RIGHTS PROGRAM -- FILE DOCUMENTATION

NAME & ADDRESS: James Rand – Parker SD

DATE: 04/14/2025

TELEPHONE: 605-941-9873

RE: License corrections

COMMENTS:

Mr. Rand called after receiving Water License N. 7599-3, which was issued based on Darrell DeBoer's inspection, conducted in October 2024.

Mr. Rand noted that Well #1 needed to be adjusted to read "from the SW corner", as well as that being his only well.

Well #2 is actually on the neighbor's property and has nothing to do with his system. He confirmed that only one well was drilled for his system. There is a WCR on file from Steffl Drilling & Pump Inc (April 2013).

I told Mr. Rand that we would reissue the license to reflect the corrected well location and removal of well #2.



Amanda Dewell
Water Rights Program



DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES
JOE FOSS BUILDING
523 E. CAPITOL AVE
PIERRE SD 57501-3182
danr.sd.gov

APR 14 2025

James M Rand
27966 452nd Ave
Parker, SD 57053

No. 7599-3

Dear Mr. Rand:

Enclosed is the Reissued Water License No. 7599-3. This is the final water right document completing your process of obtaining a Water Right. Included with your license is a map prepared by the staff engineer who conducted the field investigation.

For your information SDCL 46-6-27 requires that if in the future, the owner of an existing well, constructs a replacement well and does not plan to use the old well, the old well is considered abandoned and must be plugged. Also, any well that is being used or is not considered abandoned must be valved and controlled, if flowing, or sealed and capped so that no leaking occurs either underground or at the surface.

So long as you use the water beneficially, as stated in the Water License, State Water Laws provide that you have a continuing right to use the water. If you have any questions, please contact our office.

Sincerely,

Mark Mayer, PE
Director of Office of Water
(605) 773-3352

enclosures

STATE OF SOUTH DAKOTA
REISSUED WATER LICENSE NO. 7599-3

(1) James M Rand, 27966 452nd Ave, Parker, SD 57053, made Application No. 7599-3, December 28, 2012, for a water permit to divert 2.22 cubic feet of water per second from groundwater, two wells (Parker Centerville Aquifer), Turner County, South Dakota for irrigation purposes. Permit No. 7599-3, with a priority date of December 28, 2012, was approved March 11, 2013, and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before March 11, 2018, and for the application to beneficial use of water on or before March 11, 2022.

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Section 32, T99N, R53W
NE $\frac{1}{4}$ SW $\frac{1}{4}$ - 33 acres
NW $\frac{1}{4}$ SW $\frac{1}{4}$ - 33 acres
SW $\frac{1}{4}$ SW $\frac{1}{4}$ - 33 acres
SE $\frac{1}{4}$ SW $\frac{1}{4}$ - 34 acres
Total – 133 acres

(5) Pursuant to South Dakota Water Law 46-5-30.1 James M Rand, the holder and/or owner of Water Right No. 7599-3 is issued a license to appropriate water, the right to use 1.78 cubic feet of water per second from groundwater, one well (Parker Centerville Aquifer), with a priority date of December 28, 2012, from the location specified in (2) of this license for irrigation purposes.

This license is subject to South Dakota Water Law, any limitations or conditions listed in Water Right No. 7599-3 and subject to the following qualifications:

1. The wells approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.

continued

2. The wells authorized by Permit No. 7599-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) pursuant to Section 74:02:04:28. *(The well was drilled in 2013 by Steffl Drilling & Pump Inc. A copy of the well completion report is on file with the Water Rights Program.)*

3. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

Mark Mayer

Mark Mayer, PE
Director of Office of Water

4/14/25

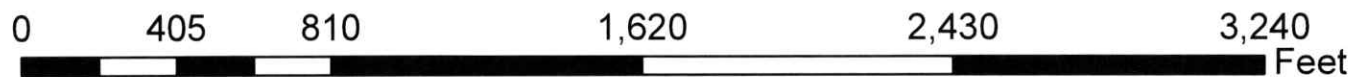
date





WELL LOCATIONS
 From the SW corner
 Sec 32 T99N R53W
 WELL
 700 ft N & 1880 ft E
 Lat 43.34573 Long -97.13483

IRRIGATED AREA
 All land in Sec 32 T99N R53W
 NW 1/4 SW 1/4 - 33 acres
 NE 1/4 SW 1/4 - 33 acres
 SE 1/4 SW 1/4 - 34 acres
 SW 1/4 SW 1/4 - 33 acres



7599-3

SD EForm - 1621LD V1

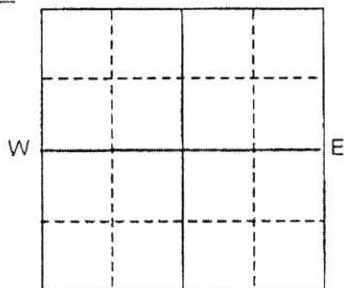
SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location SE ¼ SW ¼ Sec 32 Twp 99 Rg 53

County Turner

North

Please mark well
location with an "X"

Well Completion Date

April 26, 2013

1 Mile

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:

If other describe

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
LB/FT	12.00 IN	0.0 FT	80.0 FT	17.50 IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
Quick Grout	38	Lb/gal	0.0 Ft	75.0 Ft
		Lb/gal	Ft	Ft

Describe grouting procedure

Red Flint Sand 30 Bags 75.0 Ft 106.0 Ft

SCREEN:

☐ Perforated pipe ☒ Manufactured
 Diameter 12.00 Inches Length 26.0 Feet

Material Stainless Steel

Slot Size 80 Set From 80.0 Feet to 106.0 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?☒ No, Why Not? Irrigation WellLab to which water
quality sample sent for analysis

Well Owner: Jim Rand

Business Name:

Address: 27871 452nd Ave

City, State, Zip: Parker SD 57053

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
Top Soil	0	1
Clay Tan	1	33
Sand	33	106

STATIC WATER LEVEL 30.0 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:☐ Bailed☐ Other

Pumping Level Below Land Surface

56.3 Ft. After 6.0 Hrs. pumped 890.0 GPM

Ft. After Hrs. pumped GPM

If pump installed, pump rate: GPM

REMARKS

Production Well #1

43 20 44.5N

97 08 05.7W

RECEIVED

SEP 12 2013

WATER RIGHTS
PROGRAMThis well was drilled under license # 463 and this
report is true and accurate.

Drilling firm: Steffl Drilling & Pump Inc / Kris VanHeuveln

Signature of License Representative:

Signature of Well Owner or Equitable Property Holder:

Date: 5-18-13