

WATER PERMIT NO. 4797A-3

Name of Applicant: City of Parker

Address: PO Box 265, Parker SD 57053 Phone: 605 297-4453

Amount of Water Claimed: 0.27 cfs Total Acres: 30 acres

Source of Water Supply: groundwater (one well)

Water to be used for: irrigation County: Turner

Type of Waste Disposal System:

Location: north edge of Parker

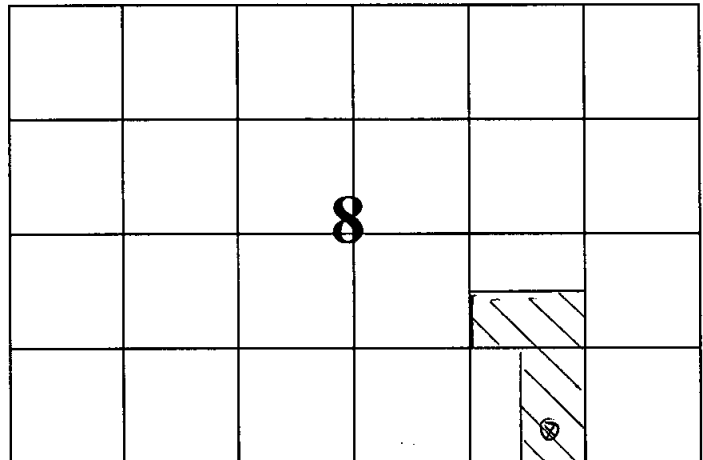
PRIORITY Date Received: 12-15-16 Application/License Fee: \$ 300

Corrected Application Received: Period of Annual Use: May 1 – October 31

Remarks: Change use from municipal to irrigation of recreational complex

Diversion Point: SE 1/4 SE 1/4 Sec 8-T99N-R53W

Land to be Irrigated: E 1/2 SE 1/4 Sec 8-T99N-R53W



Depth of Well: 37 feet deep

Well Driller: Lacey Well Drilling

Remarks:

Type of Map: aerial

Prepared by:

Reviewed and the Number Assigned on: 12-15-16

By: **Karen Schlaak**

Notice of Hearing - date to intervene: _____

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

Mail to: DENR - Water Rights 523 E Capitol Ave Pierre, SD 57501-3182 ph. (605) 773-3352	No. <u>4797A-3</u> (office use only) Hydrologic Unit <u>10120102</u>
	Basin <u>Vermillion River</u>
	Newspaper <u>New Era - Parker</u> <u>605-297-4419</u>
	<u>Argus Leader - S Falls</u> <u>605-331-2200</u>

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DEC 15 2016

WATER RIGHTS
PROGRAM

Application For Permit To Appropriate Water For Irrigation

Type of Application: ☐ New ☐ Vested Right ☒ Amendment/Correction to Permit No. 4797-3
(Use predates Mar 2, 1955)

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

To change use of portion of water from municipal to irrigation to water rec complex.

1. Name to Appear on Irrigation Permit City of Parker

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

Mailing Address PO Box 265 Parker ☒ SD ☒ 57053
(Address) (City) (State) (Zip Code)

Phone 605-297-4453 Mobile _____ Email financeofficer@parkersd.org

2. Amount of water claimed 0.27*CFS or 120 **GPM ***AF Total Acreage 30
(*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout or annual use if applicable)

3. Source of water supply Aquifer4. Location of point of diversion Roughly centered in Outlot "B" in E1/2 SE1/4 8-99-53 City of Parker, SD

(example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W)

(SE1/4 SE1/4)County Turner ☒5. County or counties where water will be used Turner6. Annual period during which water is to be used May - October 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
Athletic Complex / Rec Use	30		
<u>E1/2 SE1/4 Sec 8- T99N-R53W</u>			

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

We are looking to receive an irrigation permit to water at our rec complex on the North side of town.

I, Adam Jans Adam Jans Finance Officer, 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.

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 Lacey Well Drilling
(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:

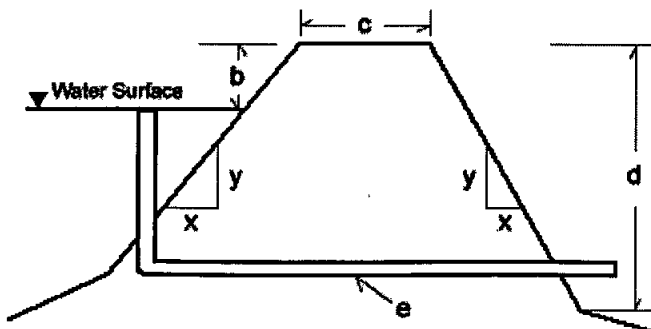
c) Well Depth (required) 48ft Depth to Top of Water Bearing Material 21ft Depth to Water from Surface 21ftd) Distance to nearest domestic well on applicant's property N/A Property owned by others 1448ft**2. Wastewater Disposal System Information**a) Type of System (i.e. septic tank, drain field) b) System 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

SOUTH DAKOTA
WATER PERMIT NO. 4797A-3

Date of first receipt of application December 15, 2016.

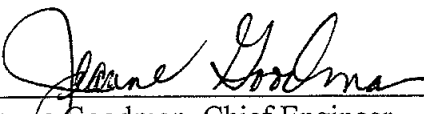
The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 4797A-3 to the City of Parker, PO Box 265, Parker SD 57053 authorizing the construction of the water use system and the placing of water to beneficial use subject to the following limitations, conditions and qualifications:

1. Water Permit No. 4797A-3 changes the use authorized by Water Right No. 4797-3. Water Right No. 4797-3 appropriates 1.60 cubic feet of water per second (cfs) from three wells completed into the Vermillion:West Fork Aquifer located in the SE 1/4 NE 1/4 Section 16 and NW 1/4 NE 1/4 Section 17; all in T99N-R53W for municipal use. The City is authorized to transfer 0.27 cfs authorized by Water Right No. 4797-3 from municipal use to irrigation from one new well to be completed into the Vermillion:West Fork Aquifer (37 feet deep) located in the SE 1/4 SE 1/4 Section 8 for irrigation of 30 acres of the recreation complex located in the E 1/2 SE 1/4 Section 8; all in T99N-R53W. The City is currently served by TM Rural Water System; therefore, the three wells authorized by Water Right No. 4797-3 will be abandoned and the remaining diversion authority will be cancelled.
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: May 1 – October 31.
3. The date from which applicant may claim right is June 26, 1962 (established by Water Right No. 4797-3).
4. The date of approval of Permit No. 4797A-3 is March 6, 2017.
5. One-fifth of the construction is to be completed on or before September 6, 2019.
6. All construction is to be completed on or before March 6, 2022.
7. Water is to be put to beneficial use on or before March 6, 2026.
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 well approved under Water Permit No. 4797A-3 is 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 Water Right No 4797-3 that are abandoned shall be plugged in accordance to South Dakota Well Construction Standard, Administrative Rules of South Dakota Chapter 74:02:04.
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 26 2017

date



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In Water Since 1946

LACEY WELL DRILLING, INC.
47582 - 240th St.
Dell Rapids, South Dakota 57022
Telephone [605] 428-5979

Wells — Pumps
Dewatering Work
Test Drilling

Down-Hole Camera
Water Specialists
Irrigation Supplies

Test Hole
Parker Football Field

0-2 Topsoil Black

2-4 Dirt-Dry

4-20 Gravel Mix

20-21 Silty

21-37 Good Gravel

SWL-20'

Driller - Joan Redden-Lacey

LiCh = 111

Signed Joan Redden-Lacey

12-7-16

PARKER ATHLETIC COMPLEX



03/11/2015

© 2015 Pictometry

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WATER RIGHTS
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Sec 6
T099N
R53W

Sec 5
T099N
R53W

Sec 4
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Sec 7
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Sec 8
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Sec 9
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Sec 18
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Sec 17
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Sec 16
T099N
R53W

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date 12/15, 20 16

RECEIVED OF City of Parker PO Box 265 Parker SD 57053

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

Fee for Application for Permit No. <u>4797A-3</u> to Appropriate Water, to construct and to put water to beneficial use	100	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>4797A-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	300 00

No. **07990**

By J. Murray Goodman
Chief Engineer

Schlaak, Karen

From: Gronlund, Eric
Sent: Monday, December 05, 2016 10:47 AM
To: Schlaak, Karen
Subject: 4797-3, City of Parker

City is served by RWS. Going to abandon existing wells.

However the city is drilling a new well to serve the athletic complex. Will be filing an application to change use of a portion of 4797-3 from municipal to irrigation use. The portion not changed will be abandoned and ultimately cancelled as part of the process. Under this process they will retain priority date. I specifically asked if the Finance Office, Adam Jans, if any of the existing wells will be maintained for back up purposes and he said the existing wells are to be totally abandoned.



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

denr.sd.gov

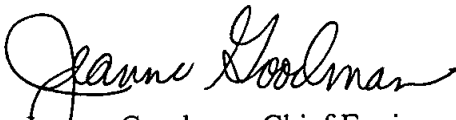
**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 4797A-3, City of Parker**

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. 4797A-3, City of Parker, c/o Adam Jans, Finance Officer, PO Box 265, Parker SD 57053.

The Chief Engineer is recommending APPROVAL of Application No. 4797A-3 because 1) the proposed diversion can be developed without unlawful impairment of existing rights, 2) the proposed use is a beneficial use and 3) it is in the public interest with the following qualifications:

1. The well approved under Water Permit No. 4797A-3 is 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 Water Right No 4797-3 that are abandoned shall be plugged in accordance to South Dakota Well Construction Standard, Administrative Rules of South Dakota Chapter 74:02:04.
3. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

See report on application for additional information.


Jeanne Goodman, Chief Engineer
February 15, 2017

**REPORT TO THE CHIEF ENGINEER
ON
WATER PERMIT APPLICATION NO. 4797A-3
CITY OF PARKER
FEBRUARY 8, 2017**

Water Permit Application No. 4797A-3 is proposing a water permit to allow for a change in the use of water authorized by Water Right No. 4797-3. This permit application also proposes to allow for a change of the point of diversion from the sites authorized by Water Right No. 4797-3. Water Right No. 4797-3 currently appropriates water from the Vermillion:West Fork aquifer for municipal use. The water right authorizes diversions from three wells located in the SE¼NE¼ Sec. 16, T99N-R53W and the NW¼NE¼ Sec. 17, T99N-R53W at a maximum rate of 1.60 cubic feet of water per second (cfs).

The City of Parker intends to transfer the use of water from municipal use to irrigation use. Water Permit Application No. 4797A-3 proposes authorization to complete a well into the Vermillion:West Fork aquifer, in the SE¼SE¼ Sec. 8, T99N-R53W. Water from the well is to be used to irrigate 30 acres of a recreation complex located in the E½SE¼ Sec. 8, T99N-R53W. This application proposes to transfer 0.27 cfs of the diversion rate authority approved by Water Right No. 4797-3 to a proposed new well for irrigation use. The City of Parker is currently served by TM Rural Water System; therefore, the three existing wells authorized by Water Right No. 4797-3 will be abandoned and the remaining diversion authority will be cancelled.

AQUIFER: Vermillion: West Fork (VWF)

SOUTH DAKOTA CODIFIED LAW (SDCL) REGARDING AMENDMENTS

The two statutes dealing with amending water rights/permits (SDCL 46-2A-12 and SDCL 46-5-30.4) are cited below:

SDCL 46-2A-12 provides:

“An amendment of an existing permit or license may be granted for a change in use, a change in point of diversion or other change only if the change does not unlawfully impair existing rights and is for a beneficial use and in the public interest.”

SDCL 46-5-30.4 provides:

“Subject to the limitations in §§ 46-5-33 and 46-5-34 governing changes in irrigation rights from one parcel of land to another, any water permit or right holder may apply for a change of use of the water, a change of location of the use or other amendment to the permit or right. Permits or rights may be amended pursuant to the procedure contained in chapter 46-2A. Priority shall be retained upon amendment. An amendment of a water permit or right may not increase the rate of diversion or increase the volume of water to be appropriated under the original water permit or right. The amendment may not impair existing rights.”

This application proposes to amend Water Right No. 4797-3 by changing the use of the water and changing the location of the diversion point. Figure 1 shows the approximate locations of: a) diversion points for existing water rights/permits appropriating water from the Vermillion West Fork aquifer, b) the well site proposed by Application No. 4797A-3, and c) the wells authorized by Water Permit No. 4797-3. The water rights/permits shown in Figure 1 are identified below in Table 1.

Table 1. Water Rights/Permits shown in Figure 1.

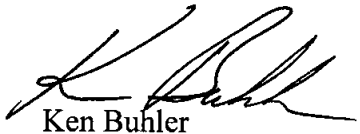
PERMIT NO	NAME	STATUS	CFS	ACRES	DISTANCE FROM WELL SITE PROPOSED BY 4797A-3
5932-3	JAMES P VAN DEROSTYNE	LC	0.7	49	2200 feet
4341-3	WEEG FAMILY FARMS LLLP	LC	0.89	62	2800 feet
7151-3	ALLEN MERRILL	PE	1.78	320	4600 feet & 5430 feet
2156-3	ROGER IHNEN	LC	1.28	90	5100 feet
LC= Water Right, PE= Water Permit					

The nearest diversion point authorized by an existing water right/permit is a dugout that supplies Water Right No. 5932-3. Information is not available to determine if the dugout allows the pump inlet to be submerged 20 feet below the top of the aquifer (i.e. the water table) or to the bottom of the aquifer material if the aquifer is less than 20 feet thick.

An aquifer test was conducted on the City of Parker well #4, which is located approximately 1,750 feet southwest of the well site proposed by this application. Drawdown in the production well was reported to be 7.5 feet at 430 gallons per minute (Water Rights, 2017). Since the water levels in two observation wells were monitored during the pump test, a transmissivity value for the aquifer is estimated to be approximately 119,500 gallons per day per foot. Assuming the transmissivity is approximately the same at the well site proposed by this application and at Parker City #4, drawdown in the production well should be approximately 2.1 feet and drawdown will be less than 0.5 feet at a distance of 30 feet from the pumping well. At a distance of 2,200 feet drawdown will not be measurable. Therefore, this application will not adversely impact existing water rights.



Figure 1. Vicinity map showing location of: 1) diversion points for existing water rights/permits appropriating water from the Vermillion West Fork aquifer (VWF), 2) the well site proposed by Water Permit Application No. 4797A-3, and 3) The location of wells currently authorized by Water Right No. 4797-3.



Ken Buhler
SD DENR-Water Rights

REFERENCES:

Water Rights, 2017, Water Right/Permit Files, SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, South Dakota.

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FEB 27 2017

Form 8

WATER RIGHTS
PROGRAM

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County of Turner) SS

I, Dawn Rye

certify that the attached printed Notice was taken
from the New Era

printed and published in Feb. 23 2017

County of Turner and

state of South Dakota. The notice was published

in the newspaper on the following date:

Thursday, Feb. 23 2017

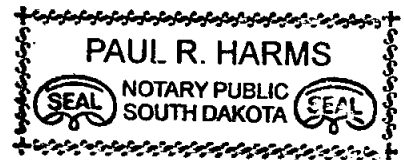
Cost of Printing \$ 39.72

[Signature]
(Signature)

Office Manager
(Title)

2.23.17
(Date Signed)

Subscribed and sworn to before
me this 23rd
Day of February 2017,
Paul R Harms
Notary Public Turner County South Dakota
My Commission Expires: March 20, 2018



**Notice of application No.
4797A-3**

Notice is given that the City of Parker, c/o Adam Jans, Finance Officer, PO Box 265, Parker SD 57053 has filed an application for a water permit to change the use authorized by Water Right No. 4797-3. Water Right No. 4797-3 appropriates 1.60 cubic feet of water per second (cfs) from three wells completed into the Vermillion: West Fork Aquifer located in the SE 1/4 NE 1/4 Section 16 and NW 1/4 NE 1/4 Section 17; all in T99N-R53W for municipal use. The City proposes to transfer 0.27 cfs authorized by Water Right No. 4797-3 from municipal use to irrigation from one new well to be completed into the Vermillion: West Fork Aquifer (37 feet deep) located in the SE 1/4 SE 1/4 Section 8 for irrigation of 30 acres of the recreation complex located in the E 1/2 SE 1/4 Section 8; all in T99N-R53W. The City is currently served by TM Rural Water System; therefore, the three wells authorized by Water Right No. 4797-3 will be abandoned and the remaining diversion authority will be cancelled.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 4797A-3 with qualifications because 1) existing rights will not be unlawfully impaired, 2) it is a beneficial use of water, and 3) it is in the public interest. The Chief Engineer's recommendation with qualifications, the application, and staff report are available at <http://denr.sd.gov/public> or contact Eric Gronlund for this information, or other information, at the Water Rights Program address provided below.

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, Foss 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 Monday, March 6.

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.

If the applicant does not contest the recommendation of the Chief Engineer and no petition to oppose the application is received, the Chief Engineer shall act on the application pursuant to the recommendation with no hearing held before the Water Management Board. 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.

Steven M. Pirner, Secretary, Department of Environment and Natural Resources.

Published once at the total approximate cost of \$39.72 (N0223-2)

CUSTOMER NUMBER:	78306	Argus Leader P.O. Box 677349, Dallas, TX 75267-7349
INVOICE NUMBER:	1938090	
RUN DATES:	2/22, 2017	
		AMOUNT DUE: \$76.84

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FEB 27 2017
WATER RIGHTS
PROGRAM

Attn: Karen Schlaak
Water Rights Program
523 E. Capital
Jose Foss Building
Pierre, SD 57501-0000

DETACH THIS STUB AND RETURN WITH PAYMENT

PAYMENT DUE UPON RECEIPT

AP. NO. 4797A

AFFIDAVIT OF PUBLICATION-

Customer Number: 78306 523 E. Capital
Invoice Number: 902065

Argus Leader AFFIDAVIT OF PUBLICATION

STATE OF SOUTH DAKOTA

COUNTY OF MINNEHAHA } ss

Sara Kruse 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 17-2-2.1, 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

_____ Wednesday, the 22 day of February 2017,
_____, the _____ day of _____ 2017,
_____, the _____ day of _____ 2017,
_____, the _____ day of _____ 2017,
_____, the _____ day of _____ 2017,
_____, the _____ day of _____ 2017,
_____, the _____ day of _____ 2017,

and that \$76.84 was charged for publishing the same

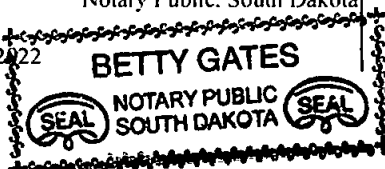
Sara Kruse

Subscribed and sworn to before me 2/22/17

Betty Gates

Notary Public, South Dakota

My Commission expires March 11, 2022



NOTICE OF APPLICATION NO. 4797A-3

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Steven M. Pirner
Secretary
Department of Environment
and Natural Resources
Published once at an approximate cost of \$76.84.
1938090 Feb. 22, 2017

Schlaak, Karen

From: Schlaak, Karen
Sent: Thursday, February 16, 2017 10:05 AM
To: sebeling@ncppub.com
Subject: 4797A-3, City of Parker
Attachments: 4797A-3public.short.docx; FORM8.FRM.doc

Attached is a notice to be published on February 22, 2017.

The City of Parker, Adam Jans, Finance Officer, PO Box 265, Parker SD 57053 (605 297-4453) has been notified to contact you to authorize publication and arrange for payment.

Please send the affidavit or return the attached Proof of Publication form ASAP.

Let me know if you have questions. Please acknowledge receipt of this email.

Karen Schlaak
Water Rights Program
523 E Capitol Ave
Pierre SD 57501
Phone: 605 773-3352

Schlaak, Karen

From: Schlaak, Karen
Sent: Thursday, February 16, 2017 10:06 AM
To: allegals@argusleader.com
Subject: 4797A-3, City of Parker
Attachments: 4797A-3public.short.docx; FORM8.FRM.doc

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Karen Schlaak
Water Rights Program
523 E Capitol Ave
Pierre SD 57501
Phone: 605 773-3352



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

denr.sd.gov

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

February 16, 2017

City of Parker
Adam Jans Finance Officer
PO Box 265
Parker SD 57053

Dear Mr. Jans:

Water Permit Application No. 4797A-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 # 605-297-4419) 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.

NOTICE OF APPLICATION NO. 4797A-3

Notice is given that the City of Parker, c/o Adam Jans, Finance Officer, PO Box 265, Parker SD 57053 has filed an application for a water permit to change the use authorized by Water Right No. 4797-3. Water Right No. 4797-3 appropriates 1.60 cubic feet of water per second (cfs) from three wells completed into the Vermillion:West Fork Aquifer located in the SE 1/4 NE 1/4 Section 16 and NW 1/4 NE 1/4 Section 17; all in T99N-R53W for municipal use. The City proposes to transfer 0.27 cfs authorized by Water Right No. 4797-3 from municipal use to irrigation from one new well to be completed into the Vermillion:West Fork Aquifer (37 feet deep) located in the SE 1/4 SE 1/4 Section 8 for irrigation of 30 acres of the recreation complex located in the E 1/2 SE 1/4 Section 8; all in T99N-R53W. The City is currently served by TM Rural Water System; therefore, the three wells authorized by Water Right No. 4797-3 will be abandoned and the remaining diversion authority will be cancelled.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 4797A-3 with qualifications because 1) existing rights will not be unlawfully impaired, 2) it is a beneficial use of water, and 3) it is in the public interest. The Chief Engineer's recommendation with qualifications, the application, and staff report are available at <http://denr.sd.gov/public> or contact Eric Gronlund for this information, or other information, at the Water Rights Program address provided below.

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, Foss 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 6, 2017.

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.

If the applicant does not contest the recommendation of the Chief Engineer and no petition to oppose the application is received, the Chief Engineer shall act on the application pursuant to the recommendation with no hearing held before the Water Management Board. 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.

Steven M. Pirner, Secretary, Department of Environment and Natural Resources. Published once at the total approximate cost of _____.



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

denr.sd.gov

APR 26 2017

City of Parker
Adam Jans Finance Officer
PO Box 265
Parker SD 57053

Dear Mr. Jans:

Enclosed is Water Permit No. 4797A-3 authorizing construction of the 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

SOUTH DAKOTA WATER WELL COMPLETION REPORT

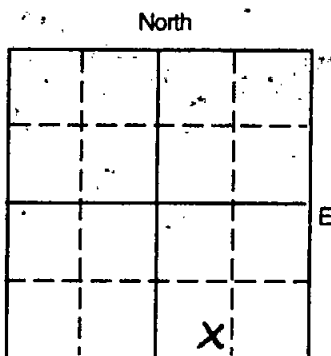
4797A3

11-02

Location Sw 1/4 SE 1/4 Sec 8 Twp 99-n Rg 53-w

County Turner

Please mark well location with an "X"



Well completion Date
10-16-17

Distance to nearest potential pollution source (Septic tank, abandoned well, feed lot, etc.)
3/4 n ft. from Old Gravel Pit (Identify source)

PROPOSED USE:

- ☐ Domestic/Stock ☐ Municipal ☐ Business ☐ Test Holes
☒ Irrigation ☐ Industrial ☐ Institutional ☐ Monitoring

METHOD OF DRILLING:

Bucket-Fabe Casing

CASING DATA:

- ☐ Steel ☒ Plastic ☐ Other

If other describe

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>10</u> LB/FT	<u>12</u> IN	<u>6</u> FT	<u>29</u> FT	<u>20</u> IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
<u>Grout</u>	<u>6</u>	<u>Lb/gal</u>	<u>6</u> FT	<u>15</u> FT
		<u>Lb/gal</u>	<u>FT</u>	<u>FT</u>

Describe grouting procedure Bentonite-Grout mixed w/clay & water around casing

SCREEN:

- ☐ Perforated pipe ☒ Manufactured

Diameter 12 Inches Length 6 Feet

Material 160 pcf PVC

Slot Size 100 Set From 29 Feet to 33 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 in pack

Lab sample sent to for water quality analysis ☐ No, Why Not?

Trig.

Trig.

Please return WHITE COPY to: DENR Water Rights

Well Owner:

Business Name:

Parker School

Address:

Box 517

City, State, Zip:

Parker S.Dak. 57053

WELL LOG:

DEPTH

FORMATION

FROM

TO

<u>Fill</u>	<u>0</u>	<u>6</u>
<u>Brown Gravel</u>	<u>6</u>	<u>15</u>
<u>Grey Clay</u>	<u>15</u>	<u>17</u>
<u>Rusty Gravel</u>	<u>17</u>	<u>29</u>
<u>Lean Grey Gravel</u>	<u>29</u>	<u>35</u>

STATIC WATER LEVEL

15'6"

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:

Sub-pumped

☐ Bailed

☐ Other

Pumping Level Below Land Surface

24'

Feet After 2

Hrs. pumped

400

GPM

Feet After

Hrs. pumped

GPM

If pump installed, pump rate:

GPM

REMARKS

This well was drilled under license # 111

And this report is true and accurate.

Drilling firm:

Lacey Well Drilling Inc.

Signature of License Representative:

Jordan Redden

Signature of Well Owner or Equitable Property Holder:

James M. Lacey

Date:

11-8-2017

FEB 26 2018

WATER RIGHTS PROGRAM

523 E Capitol Ave.

Pierre SD 57501

Report of Examination of Works and/or Application of Water to Beneficial Use For Permit No. 4797A-3

I have this day, October 18, 2024, made a thorough examination of the water use system constructed by City of Parker, PO Box 265, Parker, SD 57053 of Permit No. 4797A-3, bearing the priority of June 26, 1962 (License 4797-3) authorizing the diversion of 0.27 cu. ft. per second of the waters of Vermillion:West Fork Aquifer for irrigation purposes, in Turner County.

A. Works used to divert the water:

Well Information:

- 1) Well Drilling Firm: Lacey Well Drilling
- 2) No. of Wells 1
- 3) Depth(s) 35 feet
- 4) Well log is available Y

Casing:

- 1) Diameter 12 inches
- 2) Length 29 feet
- 3) Type Plastic

Screen:

- 1) Type PVC
- 2) Length 6 feet
- 3) Static water level 15 feet

Pump:

- 1) Make Submersible
- 2) Model Unknown
- 3) Size Unknown
- 4) Capacity 120 GPM

Motor:

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

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

- 1) Type PVC
- 2) Size varies inches
- 3) Length Unknown feet

Comments: xx

C. Works used to apply water to beneficial use: Solid set sprinklers and other sprinklers as need

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 LOCATION From the SE corner Sec 8 T99N R53W, 527 ft N & 586 ft W, Lat 43.40317 Long -97.12437 (SE 1/4 SE 1/4).
2. The works are capable of diverting and conveying to the place of use 0.27 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:

<u>legal description/acreage</u>	<u>legal description/acreage</u>
All land in Sec 8 T99N R53W	
NE 1/4 SE 1/4 - 5.4 acres	
SE 1/4 SE 1/4 - 9.0 acres	

comprising a total of 14.4 acres of land and the license should be issued for 0.21 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. However, a review of the Irrigation Questionnaire indicates that only 5 acres are being irrigated but the attached map shows much more green space than 5 acres.

The address and phone number in the permit application are current.

A handwritten signature in black ink, appearing to read "Darrell DeBoer", written in a cursive style.

Darrell DeBoer
Water Rights Inspector
DENR, Water Rights Program

Date report completed: **October 19, 2024**



0 375 750 1,500 2,250 3,000 Feet



**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

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

APR 09 2025

City of Parker
c/o Adam Jans
PO Box 265
Parker, SD 57053

No. 4797A-3

Dear Mr. Jans:

Enclosed is Water License No. 4797A-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

Note: The inspection found your system for Water Right No. 4797A-3 to be capable of diverting 0.27 cfs (approx. 121 gpm). Pursuant to SDCL 46-5-6 diversion of water under this license is limited to 0.21 cfs (approx. 94 gpm).

enclosures

STATE OF SOUTH DAKOTA
WATER LICENSE NO. 4797A-3

(1) City of Parker, PO Box 265, Parker, SD 57053, made Application No. 4797A-3, December 15, 2016, for a water permit to change the use authorized by Water Right No. 4797-3. Water Permit No. 4797A-3 authorizes the diversion of 0.27 cubic feet of water per second from groundwater, one well (Vermillion: West Fork Aquifer), Turner County, South Dakota for irrigation purposes. Permit No. 4797A-3, with a priority date of June 26, 1962 (established by Water Right No. 4797-3), was approved March 6, 2017, and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before March 6, 2022, and for the application to beneficial use of water on or before March 6, 2026.

(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 0.21 cubic feet of water per second for beneficial use. The location of the diversion point is:

- 527 feet N and 586 feet W from the SE corner of Section 8, T99N, R53W (SE $\frac{1}{4}$ SE $\frac{1}{4}$)
(Latitude 43.40317 and Longitude -97.12437)

(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: May 1 – October 31.

(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 8, T99N, R53W
NE $\frac{1}{4}$ SE $\frac{1}{4}$ - 5.4 acres
SE $\frac{1}{4}$ SE $\frac{1}{4}$ - 9 acres
Total – 14.4 acres

(5) Pursuant to South Dakota Water Law 46-5-30.1 City of Parker, the holder and/or owner of Water Right No. 4797A-3 is issued a license to appropriate water, the right to use 0.21 cubic feet of water per second from groundwater, one well (Vermillion: West Fork Aquifer), with a priority date of June 26, 1962, 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. 4797A-3 and subject to the following qualifications:

1. The well approved under Water Permit No. 4797A-3 is 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 Water Right No. 4797-3 that are abandoned shall be plugged in accordance to South Dakota Well Construction Standard, Administrative Rules of South Dakota Chapter 74:02:04.
3. This Permit is approved subject to the irrigation water use questionnaire being submitted.


Mark Mayer, PE
Director of Office of Water

4/9/25
date

