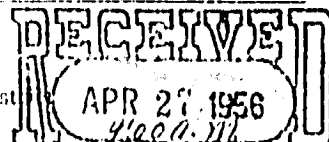


No. 185-3

Water Division No. 2 Vermillion River Dist.
(Blanks to be filled by the Engineer for the W. R. C.)STATE WATER RESOURCES COMM.
PIERRE, SOUTH DAKOTA

APPLICATION FOR PERMIT To Appropriate Water within the State of South Dakota

(NOTE—Draw a line through items not applicable.)

1. Name of applicant Dale G. Cocken
Postoffice address Hurley, County Turner, State S. Dak.

I. If a corporation—

- (a) Name of same _____
(b) Date and place of incorporation _____
(c) Amount of capital stock _____
(d) Amount paid in _____
(e) Names and addresses of directors _____

**INCORPORATED INTO
WATER LICENSE NO. 3966-3**

(NOTE—A certified copy of articles of incorporation must accompany the application.)

II. Method of accomplishing the work and financial resources of the applicant:

- (a) Method of accomplishing work (Whether by contract, employment of others, or by direct labor)

CONTRACT

- (b) Cash on hand, \$ _____ (c) Treasury stock, \$ _____
(d) Bonds to be issued, \$ _____ (e) Other resources, \$ _____

2. Name of diversion work Cocken Irrigation Project #1
3. Amount of water claimed 2.28 cubic feet per second
4. Source of water supply well
5. Location of point of diversion 1958 feet S 40°-45' E of NW section corner
section 33 Township 98 Range 53 on Turner County.
6. Annual period or periods during which water is to be used April 1 to Sept 1
7. To be used for:

- I. Irrigation or domestic use: Gravity, overhead sprinkling or combination system?
- Overhead

- (a) Number of acres to be irrigated
- 14
- acres.

- (b) Legal subdivisions to be irrigated
- NW 1/4 23-98-153

(NOTE—A list of lands to be irrigated, giving each subdivision and fraction with acreage thereof, should be written here, or may be appended as a part of this application. Same must also be shown on accompanying map.)

- (c) Statement as to domestic use (giving location, etc.)
- NONE

II. Stockwatering, mining, milling, power, fish culture, fire protection and public recreation:

- (a) Nature of use _____
Name any of the above uses claimed
(b) Amount of _____ to be generated _____ horse power.
Amount claimed for engine cooling _____
(c) Location of plant _____
(d) Method of developing power _____
(e) Point where water will be returned to stream _____

Map No 151-3

8. Estimated cost of work:

(a) Head Gates, \$.....

(b) Pumping plant, \$ 1500⁰⁰

(c) Flumling, \$.....

(d) Canal-earth, \$.....

Rock, \$.....

(e) Other structures 5 pumps 12 x 22 1/2 ft 1 1/2 in \$ 4800⁰⁰

Total, \$ 6300⁰⁰

9. Description of diversion works:

I. Nature of works; (Reservoir, dam, ditch, flume, pumping plant, etc.)

Pumping Plant

II. Dimensions of works:

(a) Dam: Height.....feet; length at bottom.....feet; length at top.....feet; thickness at bottom.....feet; thickness at top.....feet; slope at front water face.....; slope at back face.....material used in construction.....

(b) Reservoir: Capacity when filled.....acre feet. Surface area at highwater mark.....acres.

DEPTH AT OUTLET-Feet	SURFACE AREA AT EACH DEPTH AT OUTLET-ACRES	FEET	ACRE-Feet CAPACITY

(c)* Head gate: Width.....feet; height.....feet;
Material.....

(d) Canal: Total length.....miles.

LOCATION BELOW HEADGATE	DEPTH	BOTTOM WIDTH	WIDTH AT WATER-LINE	GRADE PER MILE
At.....Mile	feet	feet	feet	feet
At.....Mile	feet	feet	feet	feet
At.....Mile	feet	feet	feet	feet
At.....Mile	feet	feet	feet	feet
At.....Mile	feet	feet	feet	feet
At.....Mile	feet	feet	feet	feet

(Give dimensions where reductions in size are made.)

10. Time required for completion of work.....3.....years.

11. Time required for complete application of water to the proposed beneficial use 3.....years.

12. Choice of newspaper for publication of notice of intention to appropriate New Era
Parker, So. Dak

STATE OF SOUTH DAKOTA

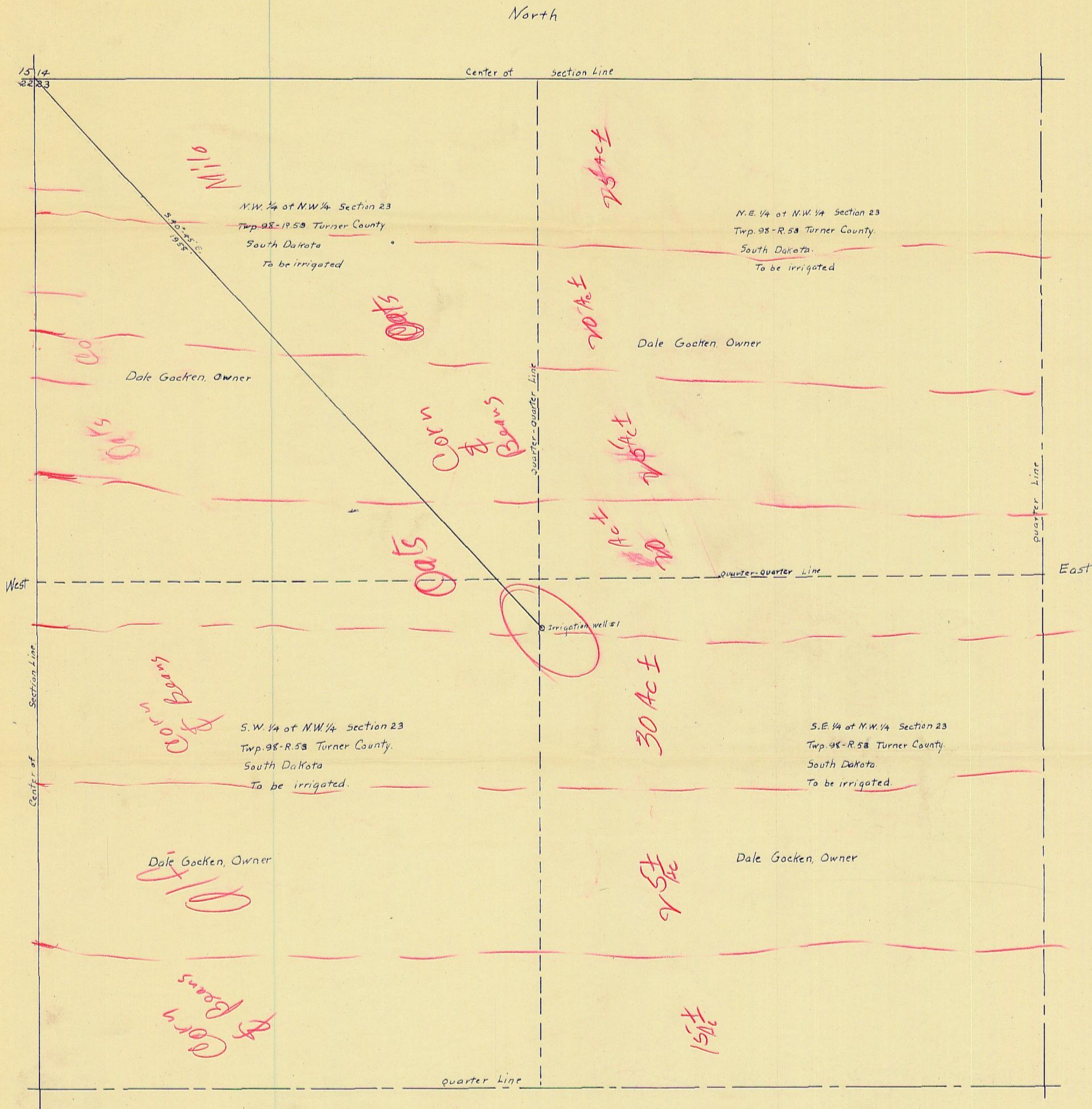
County of Lincoln } ss.

I, Arthur Gorken, being first duly sworn on my oath depose and say: That my relation to the above described undertaking is that of owner, that I have read the above foregoing statement, examined the map accompanying the same, and that I know of my own personal knowledge that the matters therein stated and shown are true.

Signed Arthur Gorken

Subscribed and sworn to before me this 24th day of April 1956

Frank G. Gorken
Notary Public (or other qualified officer.)



I, Ellis V. Nelson, a licensed engineer hereby certify that I have made a survey of the NW 1/4 of Section 23, Township 98-R-53, Turner County, South Dakota and located irrigation well #1 as indicated on the above plat.

Dated at Sioux Falls, South Dakota April 18-1956.

Ellis V. Nelson
Licensed Engineer

Ellis V. Nelson, Civil Engineer
Sioux Falls, S. Dakota, April '56

State of South Dakota } ss
County of Minnehaha

On this 18th day of April, 1956 before me, the undersigned officer, personally appeared Ellis V. Nelson known to me or satisfactorily proven to be the person whose name is subscribed to the within instrument and acknowledged that he executed the same for the purpose therein contained.

In witness whereof I hereunto set my hand and official seal.

Notary Public
Minnehaha
County, South Dakota

Map No. 151-3
App. No. 185-3

STATE OF SOUTH DAKOTA

County of

Hughes

ss.

Pierre, South Dakota,

May 2, 19*56*

This is to certify that the foregoing application was received by the Commission at *9:00* o'clock

9 m. upon the *27* day of *April*, 19*56*

State Water Resources Commission

By:

J. O. Hines

Chief Engineer, Executive Officer

Number of permit *185-23*

Date of first receipt of application: *April 27*, 19*56*

Date of return to applicant for correction, amendment's or changes required as follows: *May 4*, 19*56*

Date of receipt of corrected application: *June 30*, 19*56*

Date from which applicant may claim right: *April 27*, 19*56*

Approved: *February 4*, 19*57*, Recorded in Book *3*, Section *2* Page *99*

This is to certify that we have examined the foregoing application for a permit to appropriate water of the State of South Dakota, and we hereby grant the same as stated herein, subject however, to the following limitations and conditions:

1st. The equivalent of at least one-fifth of the work above specified is to be completed on or before

August 4, 19*58*

2nd. The whole of said work is to be completed on or before *February 4*, 19*60*

3rd. The limit of time for proof of beneficial use of water appropriated in accordance herewith is

February 4, 19*61*

4th. The water appropriated shall be used for the purpose of *irrigation*

5th. The prior right of all persons who, by compliance with the laws of the State of South Dakota, have acquired a right to the use of water must not be injuriously affected by this appropriation.

6th. The amount of the appropriation herein granted shall not exceed *2.28* cubic feet per second; neither shall it exceed the capacity of the above described system of diversion works, nor the least amount of water that experience may hereafter indicate as necessary for the production of crops in the exercise of the best husbandry; and further, said appropriation must be limited to not more than one-seventieth (1/70) of one cubic foot of water per second of time for each acre of land to which water is actually and beneficially applied for irrigation on or before *February 4*, 19*61*; said water to be used during the following described annual period:

April to August inclusive

Witness my hand this

21 day of *March*, 19*57*

State Water Resources Commission

By:

J. O. Hines

Chief Engineer, Executive Officer

Certificate of Construction Issued _____, 19____

Water License Issued _____, 19____

STATE OF SOUTH DAKOTA

WATER LICENSE No. 185-3. . . .

WHEREAS, On the 27th day of April A. D. 1956
Dale Gocken

of Hurley County of Turner and State of
South Dakota duly made application (No. 185-3) to us for a permit to use 2.28
cubic feet per second of the waters of ground water
County of Turner, State of South Dakota, for irrigation
purposes; and

WHEREAS, On the 21st day of March A. D. 1957
Permit No. 185-3 was issued to said applicant for the diversion of said water, and providing for the
completion of the works of diversion therein described on or before the 4 day of
February A. D. 1960 and for the application to beneficial use of said
water on or before the 4th day of February A. D. 1961
and,

WHEREAS, On the 29th day of July A. D. 1957
the holder of said permit duly made proof of the completion of adequate works for the diversion of 2.28
cubic feet per second of said waters, as evidenced by our Certificate No. 185-3
dated September 25, 1957 confirming the completion of works of sufficient capacity for
diverting and conveying to the place of intended use 2.28 cubic feet per second of water, with date of
priority of April 27, 1956 and,

WHEREAS, On the 29th day of July A. D. 1957
proof was duly made of the application to beneficial use of 2.28 cubic feet per second of said water;
on 160 acres in the NW 1/4, Sec. 23, T 98 N, R 53 W

NOW, THEREFORE, By the virtue of the authority vested in us by the laws of the State of South Dakota,
We hereby grant and confirm to Dala Gockan
of Hurley, South Lakota the holder and owner of said permit No. 185-3
a water right, dating from April 27, 1956 to the use of 2.28
cubic feet per second of the waters of ground water
In the County of Turner and State of South Dakota, or so much thereof as may be
necessary for the purposes hereinafter mentioned, to be diverted at 1952 feet, S 40° 45'E, of
the NW Cor., Sec 23, T 98 N, R 53 W
and conducted to and upon the NW, Sec. 23, T 98 N, R 53 W

for the purpose of Irrigation

subject, however, to the laws of the State of South Dakota applicable to a license for the use of the waters of the State, and subject, also to the local or community customs, rules and regulations which have been or may be adopted from time to time by a majority of the users from a common source of supply, canal or lateral from which such water may be taken, when such rules and regulations have for their object the economical use of such water.

WITNESS, My hand and seal of our office at Pierre, South Dakota,
this 25th day of September A. D. Nineteen
Hundred and Fifty-seven

State Water Resources Commission

By:

J. W. CRIMES

Chief Engineer, Executive Officer

STATE OF SOUTH DAKOTA

Water License No. _____

To _____

Source of Supply _____

County _____

Am't _____ c. f. s.

Point of Diversion _____

Place of Use _____

Purpose _____

Date of Priority _____

Recorded _____

In Book _____ of _____ Page _____

Permit No. 185-3Water Division No. 3 Vermillion River Water District

Certificate of Completion of Works

TO ALL WHOM IT MAY CONCERN:

This is to Certify, That Wile Gackenof Hurley, County of Turner, and State of South Dakota, the holder of Permit No. 185-3, issued upon ApplicationNo. 185-3, bearing date of priority of April 27, 1956, authorizing the diversion of2.28 cu. ft. per second of the waters of ground waterCounty of Turner, State of South Dakota, at 1958 feetS 40°45'E of the NW Cor., Sec. 23, T 98 N, R 53 Wfor irrigationpurposes, has fully complied with the provisions of the laws of the State of South Dakota relating to proof of completion of the works of diversion set out and described in said Permit; that said works are found in satisfactory condition for diverting and conveying to the place of intended use 2.28 cu. ft.

per second of water; and that the lands proposed to be irrigated by the use of said water are described as follows,

to-wit: NW 1/4, Sec 23, T98N, R 53W-160 acresWitness my hand this 25th day of September A. D. 1957

State Water Resources Commission

By:

J.W. GRIMES, Chief Engineer, Executive Officer

WATER LICENSE NO. 3966-3

(1) WHEREAS, On the 19th day of April A. D. 19 77
Dale Gocken

made Water Right Application No. 3966-3 for a permit to use 2.2 cubic feet per second of the waters
 of groundwater (one well)
 County of Turner, State of South Dakota, for irrigation

purposes; and
 (2) WHEREAS, On the 29th day of March A. D. 19 78
 Permit No. 3966-3, with a date of priority of April 27, 1956*
recognizing
 was issued to said applicant for the diversion of said water, and ~~provided for~~ the completion of construction of the water
 supply system therein described on or before the day of A. D. 19 and for the
 application to beneficial use of said water ~~on or before the~~ day of A. D. 19

Whereas, on the 10th day of January, 1979 was transferred to James
 Bondesen, Hurly, SD

and:

(3) WHEREAS, It is hereby certified that the applicant has complied with the provisions of the laws of the State of South Dakota
 relating to completion of the construction of the water supply system and is entitled to divert 1.88 cubic feet
 per second of water for beneficial use and,

(4) WHEREAS, It is hereby certified that the applicant has complied with the provisions of the laws of the State of South Dakota
 relating to the application of water to beneficial use of the following extent,
to irrigate a 132 acre circle in the NW $\frac{1}{4}$, Section 23-T98N-R53W

*The applicable portions under Permit No. 185-3 have been incorporated
 into this Water License No. 3966-3

Copy

(5) NOW, THEREFORE, By the virtue of the authority vested in us by the laws of the State of South Dakota, We hereby grant and confirm to James Bondesen

_____ of Hurley, SD
the holder _____ and owner _____ of said permit No. 3956-3 a water right, dating from April 27, 1956
_____ to use of 1.88 cubic feet per second of the waters
of groundwater (one well)
in the County of Turner and State of South Dakota, or so much thereof as may be necessary for the
purposes hereinbelow mentioned, to be diverted at a point S 50° E, 120 rods from the NW
Corner, Section 23-T98N-R53W

~~and conducted to, and upon~~ for irrigating a 132 acre circle in the NW¼,
Section 23-T98N-R53W

for the purpose of irrigation

Subject to any limitations listed in Water Right Permit No. 3966-3 and subject to the laws of the State of South Dakota.

WITNESS, My hand and seal of our office at Pierre, South Dakota
this 23rd day of January A. D.
Nineteen Hundred and eighty-one

WATER MANAGEMENT BOARD

By:

Chief Engineer, Executive Officer JOHN HATCH

(First Publication before June 7, 1956)

APPROPRIATION OF WATER

Office of State Water Resources Commission,

Pierre, S. Dak., MAY 5, 1956

Notice is hereby given that Dale Cocken whose postoffice address is Hurley S. Dak., has made an application in accordance with the provisions of the water laws of South Dakota for a permit to appropriate for beneficial use 2.28 cubic feet of water per second of time from ~~xxx~~ ground water through the Cocken Irrigation Project #1, the point of diversion of which is to be located on the ~~xxxxx~~ bank of said stream in the SE $\frac{1}{4}$ of the NW $\frac{1}{4}$ of Section 23 Twp. 98N Range 53W. Said water to be used for the purpose of providing irrigation on the following described land:

NW 1 Sec. 23, T 98N, R 53W~~xxxxx~~ xxxxxx

This application will be taken up by the State Water Resources Commission at their office at Pierre for consideration upon the 9th day of July, 1956, at 2:00 P.M. All interested persons may appear and be heard.

Appropriate action will be taken by the Water Resources Commission after suitable time has elapsed for the consideration of any or all information presented.

State Water Resources Commission

By:

J. W. Grimes, Chief Engineer, Executive Officer

cc: E. J. Bormann, Publisher
The New Era
Parker, South Dakota

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA }
County TURNER } ss.E. J. Berman being duly sworn, deposes and says the annexed printed copy of Notice of Intention to Appropriate Water was taken from theThe New Era a newspaper which during the whole time of publication of said notice herein after stated, has been and is printed and published in theTown of Turner County of Turner and State of South Dakota; that the said notice was published in said newspaper on the following dates:THURS, MAY 10, 17, 24, 31, 1956in each and every issue of the full number thereof, the first publication being made on the 10th day of MAY 1956 and the last publication on the 31st day of MAY 1956, upon which days or times of publication aforesaid the newspaper was regularly published, and that during the whole time of said publication he was the printer and publisher of the said newspaper.Subscribed and sworn to before me this 17th day of MAY A. D. 1956RECEIVED
JUN 2 1956STATE WATER RESOURCES COMM.
PIERRE, SOUTH DAKOTANotary Public Lucie Agnes Withee County, S. D.Notice of Intention to Appropriate Water — No. 1552
APPROPRIATION OF WATER
Office of State Water Resources Commission, Pierre, S. Dak., May 5, 1956.Notice is hereby given that Dale Gocken whose postoffice address is Hurley, S. Dak., has made an application in accordance with the provisions of the water laws of South Dakota for a permit to appropriate for beneficial use 2.28 cubic feet of water per second of time from ground water through the Gocken Irrigation Project No. 1, the point of diversion of which is to be located in the SE $\frac{1}{4}$ of the NW $\frac{1}{4}$ of Section 23, Twp. 98N Range 53W. Said water to be used for the purpose of providing irrigation on the following described land: NW $\frac{1}{4}$ Sec. 23, T 98N, R. 53W. This application will be taken up by the Water Resources Commission at their office at Pierre for consideration upon the 21st day of July, 1956, at 2:00 p.m. All interested persons may appear and be heard.

Appropriate action will be taken by the Water Resources Commission after suitable time has elapsed for the consideration of any or all information presented.

State Water Resources Commission
By: J. W. GUMES, Chief Engineer,
Executive Officer.
(cc—May 12, 17, 24, and 31, '56)

Permit No. _____

Water Division No. _____

Water District _____

NOTICE OF COMPLETION OF WORKS

This blank must be filled out by the holder of permit and forwarded to the Executive Officer at least 60 days before the time set for completion of works

(P. O.) _____

(Date) _____

TO THE STATE WATER RESOURCES COMMISSION
OF SOUTH DAKOTA, PIERRE:

DEAR SIR: Notice is hereby given of the completion of the works for the diversion of _____

_____ 2.28 _____ cu. ft. per second of the waters of the state from _____
through the _____

for _____ irrigation _____ purposes

_____ in accordance with the terms and conditions of a certain permit heretofore issued by the Water Resources Commission of the State of South Dakota.

1. The name of the person or corporation holding said permit is _____ Dale Jackson _____

2. The postoffice address of such person or the place of business of such corporation is _____ Hurley _____
County of _____ Itasca _____ State of _____ S. Dak _____

3. The number of such permit is _____ and the date set for the completion of such work is _____

_____ was completed in 1956 _____

4. Said water to be used for _____ irrigation _____ purposes.

5. Said works of diversion will be fully completed on the date set for such completion, and the amount of water which said works are capable of conducting to the place of intended use, in accordance with the plans accompanying the application for such permit, is _____ 2.28 _____ cubic feet per second.

The amount of land for which said water is available is _____ 16.0 _____ acres,
particularly described as follows: _____ NW 1/4 section 23 Township 97 Range 53 _____

I hereby certify that the facts set forth in the above notice are true.

(Signature of Owners) _____

_____ Dale Jackson _____

Permit No.

Water Division No. Water District

Notice of Application of Water to Beneficial Use

(This blank must be filled out by holder of permit and forwarded to the State Water Resources Commission at least sixty days before the time set for application of water.)

(P. O.)

Hurlay & Dub...

(Date)

May 3, 1957

TO THE STATE WATER RESOURCES COMMISSION OF SOUTH DAKOTA, PIERRE:

DEAR SIR: Notice is hereby given that on the 3 day of May
1957, at Hurlay of Turner State of South Dakota,
 before _____ proof will be submitted of the application to beneficial use
 (Examining Engineer or Officer)

of 2.28 cubic feet per second of the waters of _____
 In accordance with the terms and conditions of Permit No. 185-3
 heretofore issued by the Water Resources Commission of South Dakota.

1. The name and postoffice address of the person or corporation holding said permit are

Dale Hochen Hurlay & Dub...

2. The use to which said water has been applied is

irrigation

3. The amount applied to beneficial use is

2.28 cubic feet per second

4. The place where said water is used is (If for irrigation, give full and accurate description of the lands ir-
 rigated) N.W. 4 section 23 township 98 Range 53

5. The name of the canal or ditch or other works by which said water is conducted to such place of use is

6. The right to take the water from such works is based upon permit No. 185-3

7. The source of supply from which such water is diverted is

8. The date of priority which said user is prepared to establish is

May to Oct.

(Sign)

Dale Hochen

Permit No. 185-3

Water Division No. 3 Vermillion River Water District

Certificate of Examination of Works

Report of Examining Engineer

To the State Water Resources Commission, Pierre, South Dakota:

Dear Sirs: I hereby certify that in accordance with your order of authorization ~~XXXX~~
29th day of July, 1957~~XXXX~~, I have ~~XXXX~~ made a thorough examination of the diversion works constructed by

Dale Gocken

of

Turner

County, South Dakota, holder of Permit No. 185-3

Issued upon Application No. 185-3, bearing date of priority of April 27, 1956, authorizing the

diversion of 2.28 cu. ft. per second of the waters of ground water for irrigation

purposes. I have to report on the condition of the same as follows:

The diversion works comprise: 1953 Oliver 77 Tractor; Western Land Roller Pump, Head No's 6B030 and 3-10-H, Serial No. 956589; ½ mile 5 inch main line and ½ mile of 4 inch sprinkler line; 84 Model 30 Rainbird 7/32 nozzles and a pressure gauge.

and the system is in the following condition: Very good

The point of diversion is located 1958 feet, S 40° 'E of the NW Cor., Sec. 23, T 98 N, R 53 W

The works are capable of diverting and conveying to the place of use 2.28 cu. ft. per second of water, which is to be used for irrigation

The legal sub-divisions to be irrigated are:

NW ¼, Sec. 23, T 98 N, R 53 W

comprising a total of 160 plus acres of land.

The domestic use intended comprises

The utilization for power, mining, or other beneficial uses comprises:

Witness my hand, this 26th day of August, A. D. 1957.

—SEAL—

Les Wyborny

Examining Engineer

Water Rights Engineer

RECEIPT

WATER RIGHTS COMMISSION

State of South Dakota

No 4 6691

PIERRE, January 11, 1979

RECEIVED OF James Bondesen, Route #2, Box 18, Hurley, SD 57036

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

Fee for Application for Permit to Appropriate Water No. _____ (examination, processing, recording and filing) _____	
Fee for Inspecting Construction, and issuing Cert. of Construction No. _____	
Fee for Inspecting Beneficial Use, and Issuing Water License No. _____	
Fee for issuing Location Certificate-Dry Draw, No. _____	
Fee for filling <u>transfer of water right No. 185-3</u> _____	2 50
Fee for certified copy of _____	
Fee for Print copy of map _____	
Fee for Certifying _____	
Fee for _____ (any other work as provided by law)	
TOTAL	2 50

WATER RIGHTS COMMISSION

By John Haych
Chief Engineer, Executive Officer
JOHN HAYCH gy

NOTICE OF TRANSFER OF WATER PERMIT

TO: Water Rights Commission
 Foss Building
 Pierre, South Dakota 57501

Date: June 6, 1973

This is to notify you that title to the lands described as follows:

160 acres in the NW $\frac{1}{4}$ Section 23-T98N, R53W

formerly owned by Dale Cocken, Hurley, SD 57036

has been transferred to James Bondesen, Hurley, SD 57036

together with any rights to the beneficial use of water thereon as evidenced by
 Water Right Permit No. 185-3 as provided for in Section 61.0127 of the 1960
 Supplement to the South Dakota Code of 1939.

You are therefore hereby requested to file this "Notice of Transfer of Water
 Permit" in its appropriate file at the Office of Water Rights Commission as
 evidence of the change of ownership.

A fee of Two Dollars and Fifty Cents (\$2.50) is hereto attached to cover
 filing fees as required under Section 61.0159 of the 1960 Supplement to the South
 Dakota Code of 1939..

STATE OF SOUTH DAKOTA)
) SS.
 County of TURNER)

I, DALE COCKEN being first duly sworn on my oath despose
 and say: That my relation to the above described undertaking is that of Owner,
 that I have read the above foregoing statement, and I know of my own personal
 knowledge that the information herein stated is true.

Dale Cocken
 (Signed)

Subscribed and sworn to before me this 30th day of DECEMBER

19 73.



John Stangor
 (Notary Public)

Observations during the Field Inspection on July 29, 1957 of the Dale Gocken Project relative to Application #185-3

Dale Gocken accompanied me on the inspection and was very cooperative in answering questions and assisting me in completing the inspection.

The project consisted of 160 $\pm$ acres divided into alternate strips of corn and beans and alfalfa and oats and milo which were from 15-30 acres in area, the strips run east and west. The well was located approximately 150 feet south of the center of the NW $\frac{1}{4}$ Sec 23, T.98N, R.53W. The check on areas and pump location are shown on the print of map #151-3.

The system was set up and had been operating but Mr. Gocken had shut down shortly before I arrived at the site.

The well was approximately 37 feet deep with the static water level @ 12 feet.

The equipment consisted of a 1953 Oliver 77 with about 34 Hp and normally turning over 900-1000 gpm on the belt pulley. At this time there was a 12 inch pulley on the tractor and a 7 inch pulley on the pump. The pump was normally operated at an estimated 1605 rpms.

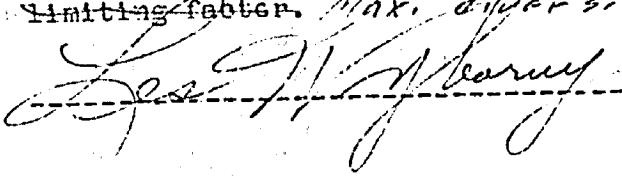
The pump was a Western Land Roller pump Head #6B030 ^{1/2} 3-10-H, Serial #955589. This is a 6" pump with an estimated maximum capacity of 1000 gpm. There is a pressure gauge on the pump.

The applicant has 1/4 mile of 5 inch main line and 1/2 mile of 4 inch sprinkler line. He also has 84 Model 30 nozzles 2/ a 7/32 orifice. The nozzles have a total capacity of 693.84 gpm @ 35#, 790.44 gpm @ 45# and 890.4 gpm @ 60#. Taking the power unit and pipe length and sizes into consideration the 60# pressure should be considered the maximum output. The applicant stated that he normally operates at 40-45# pressure.

The equipment was in very good condition.

The acreage (160 $\pm$) covered, met the conditions of the permit, but the works had a maximum capacity for conveying 890.4 gpm to the place of use. ~~In this case the capacity of the works would be the limiting factor.~~ *Max. dispersion would at the pump.*

August 26, 1957


Les Wyborny
Water Rights Engineer