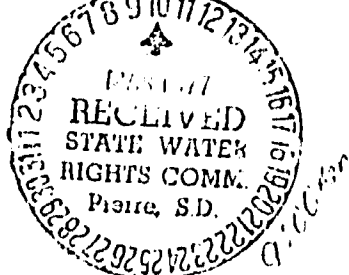


Water Right Number 3829-3

1. Considered 5.25, 1977
2. Name of Applicant RUSSELL KNOCK
3. Post Office Address DAVIS
4. Amount of Water claimed 2.28
5. Source of Water supply 715' DEEP WELL
6. Water to be used for IRRIGATION
- Acres to be irrigated 160
7. Water to be diverted and used in TURNER County
- about 2N miles of DAVIS
8. Proof of Publication Received 5.2.77
- Not Received _____
9. Application Approved _____
- Subject to _____
- Not Approved _____
- Action Deferred _____

10. Remarks:

Map No. 3091-3 Water Division No. 3 VERMILLION RIVER District
(Blanks to be Filled by the Engineer for the W. R. C.)



APPLICATION FOR PERMIT

To Appropriate Water within the State of South Dakota

(NOTE: Draw a line through items not applicable)

- Name of Applicant Russell Knack
Postoffice address Decorah, State Iowa
If a corporation show date and place of incorporation _____
- Method of accomplishing work (contract, employment of others, or by direct labor) Already done
- Name of diversion work _____
- Amount of water claimed (cubic feet per second) 2.28
- Source of water supply Well
- Location of point of diversion 21-98-52 approx Center S.W. 1/4

- County Turner
- Annual period or periods during which water is to be used April - Oct.
- Use to be made of water (irrigation, industrial, municipal, commercial, recreation, etc.) Irrig.
- For irrigation use, Total number of acres to be irrigated 160

List below each forty acre subdivision, or lot, or fraction thereof and show number of acres to be irrigated in each.

Land Description	No. Acres Irr.
S.W. 1/4 - 21-98-52	40
<u>S.W. 1/4 - 21-98-52</u>	<u>40</u>
<u>S.E. 1/4 - 21-98-52</u>	<u>40</u>
<u>N.E. 1/4 - 21-98-52</u>	<u>40</u>

Attach sheet if more space is needed

- Time required to complete construction of water supply system Complete years. Additional time required to complete application of water to the proposed beneficial use _____ years.
- Choice of newspaper for Notice of Intent to Appropriate Water publication Harvey Leader
- Principal Features of the Proposed Water Supply System.
 - Works proposed to divert water from its natural source. Center Point
 - Works proposed to transport water to place of use.
 - Works proposed to apply water to beneficial use.

Estimated Total Cost \$ 9600.00

Attachments: Attach Form 2A if diversion from a well or dugout, or if storage of water, is proposed. Attach map.
(See instructions concerning preparation.)

STATE OF SOUTH DAKOTA)
) ss.

County of Turner
I, Russell Knack the applicant, certify that I have read the foregoing application and have examined the attached map and that the matters therein stated are true and that I intend, and am able to complete the necessary construction.

Signed Russell Knack
Subscribed and sworn to before me this 27th day of March 1927
Geo. W. Russell
Notary Public (or other qualified officer)

WATER RIGHT APPLICATION APPROVAL

The Water Rights Commission hereby approves Water Right Application No. 3829-3
RUSSELL KNOCK DAVIS
 (Applicant) (Post Office Address)
SOUTH DAKOTA 57021 With the following modifications:
 (State)

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

THIS IS A REPLACEMENT WELL FOR LANDS IRRIGATED UNDER PERMIT NO 1771-3.

Date of first receipt of application MARCH 10, 19 77
 Date of return to applicant for correction, amendments or changes required —, 19 —
 Date of receipt of corrected application APRIL 1, 19 77
 Approved MAY 25, 19 77, Recorded in Book 18 Page 238

WATER RIGHT PERMIT NO. 3829-3

The Water Rights Commission hereby grants and issues this Water Right Permit No. 3829-3 authorizing the construction of the water use system and the putting of water to beneficial use as stated in the Application and as modified in the Water Right Application approval, subject, however, to the following limitations and conditions:

1. The date from which applicant may claim right is MARCH 10, 19 77
2. The equivalent of at least one-fifth of the work above specified is ~~to be~~ completed on or before —, 19 77
3. The whole of said work is ~~to be~~ completed on or before —, 19 77
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is COMPLETED —, 19 —
5. The water appropriated shall be used for the purpose of IRRIGATION
6. 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.
7. 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 water supply system, nor shall it exceed the amount of water needed for beneficial uses served, and if for the irrigation purposes said appropriation must be limited to not more than 3 acre feet per acre per year and 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 MAY 25, 19 77; said water to be used during the following described annual period: APRIL - OCTOBER

Witness my hand this 13TH day of JUNE, 19 77

WATER RIGHTS COMMISSION

By:

John Hatch
 Chief Engineer, Executive Officer

Certificate of Construction Issued June 11, 19 77

Water License Issued June 11, 19 77

12. Principal Features of the Proposed Water Supply System (continued.)

D. Well Information or Estimates

- (1) Drill Hole, Diameter 20, Depth 21.5
- (2) Casing, Type Steel (wood, concrete, steel, etc.) Diameter 16 Thickness 1/4
- (3) Perforated Screen.
Type Johnson Strainer Diameter 16 Length 30
- (4) Gravel Pack. Thickness 4' Length of gravel pack 21.5

E. Dugout Information or Estimates.

- (1) Surface dimensions _____, Depth _____

F. Fill out for Either a Well or a Dugout.

- (1) Water Bearing Materials. (Please attach a copy to test well log if available.)

Character of Water bearing materials Sand & gravel

Depth to top of water bearing material 110

Depth to bottom of water bearing material 230

Thickness of water bearing material 120

Depth to water (ground surface to water level) 18 1/2

- (2) Distance to nearest existing household or livestock watering wells.

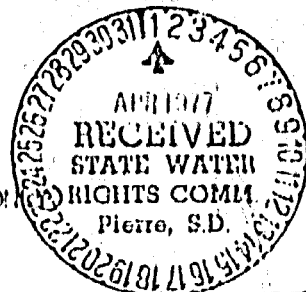
On same owner's property 1/4 mile rds. On property owned by others 3/4 mile rds.

G. Water Storage Dams.

If the proposed water use system contains one or more water storage dams, please show in the space below, the height, maximum water depth, surface area and storage capacity of each storage dam. The location of each water storage dam should be shown on the water right map.

Russell Krook
Signature of Applicant

STATE CONSERVATION COMMISSION
SUPPORTING INFORMATION
FOR APPROPRIATION OF GROUND WATER IN ACCORDANCE
WITH SDCL 46-6-3 AS AMENDED
(THIS FORM REQUIRED FOR PROPOSED GROUND WATER IRRIGATION OF)



NAME Russell Knack
ADDRESS Davis, S.D. 57021
COUNTY Turner

LEGAL DESCRIPTION

1. WELL LOCATION Aprox. Center of SW-21-98-52
2. LOCATION OF AREA TO BE IRRIGATED SW-21-98-52

TYPE OF IRRIGATION

3. GRAVITY _____ TOWLINE _____ CENTER PIVOT X GUN _____
4. CROPS TO BE IRRIGATED corn, Alfalfa, Beans

WATER QUALITY

5. SAMPLE NUMBER 77-411
6. SALINITY (EC X 10⁶) 948 (moderately high)
7. SODIUM (SAR) 0.81 (low)
8. RESIDUAL SODIUM CARBONATE (meq/l.) 0

I do hereby certify that a chemical analysis of the ground water representative of that used to irrigate shall be acquired from South Dakota State University and; the soils information has been acquired from _____ Conservation District, County Extension Office or Soil Conservation Service.
and; that the legal description for the location of the well and land to be irrigated is true and correct.

Russell Knack
APPLICANT'S SIGNATURE

SUBSCRIBED AND SWORN BEFORE ME THIS
9th DAY OF March 19 77.

[Signature]
(TYPE OR SEAL)

[Signature]
APPROVED/QUE RECORDED

(SOILS INFORMATION ON REVERSE SIDE)

REPORT OF ANALYSIS
Water Quality Laboratory
Water Resources Research Institute
South Dakota State University
Brookings, South Dakota 57006

Submitted by: Mussell Creek
Address: Davis, SD 57021

Date Rec'd March 9, 1977
Sample No. 77-411
Identification Well-215
Box, Sec. 21, T. 98N, R. 52W

WATER ANALYSIS

Calcium (Ca)	119	ppm*	5.95	me/l**
Magnesium (Mg)	36	ppm	2.95	me/l
Sodium (Na)	39	ppm	1.70	me/l
Potassium (K)	2	ppm	0.05	me/l
Sulfate (SO ₄)	175	ppm	3.64	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	49	ppm	1.37	me/l
Bicarbonate (HCO ₃)	410	ppm	6.72	me/l
Carbonate (CO ₃)		ppm		me/l
Iron (Fe)		ppm		me/l
Fluoride (F)		ppm		me/l
Hardness (EDTA as CaCO ₃)		ppm		8-p.g.**
Alkalinity (Methyl Orange)	336	ppm (as CaCO ₃)		
Alkalinity (Phenolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	943	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	0.31			
Sodium	15.95	% of cations		
Residual sodium carbonate	0.00	me/l		
pH	7.87			
Others:				

*ppm=parts per million

**me/l=milliequivalents per liter

**8-p.g.=grains per gallon

COMMENTS: Total cations 10.65 me/l
Total anions 11.73 me/l

By: Shirley Milton

Service Performed

Amount Due

Irrigation analysis

\$15.00 PAID

Make checks payable to: Water Quality Laboratory

Cut along dotted line and return the lower portion with payment

Sample No. 77-411

Amount Enclosed \$

Signed

Permit No. 3829-3

Water Diversion No. 3 Vermillion River Water District

CERTIFICATE OF CONSTRUCTION

This is to Certify, That Russell Knock

_____ the holder _____ of
Permit No. 3829-3, issued upon Application No. 3829-3, bearing date of priority of _____
March 10, 1977 authorizing the diversion of 2.28 cu. ft. per second of the waters of _____
ground water (one well) County of Turner, State of South Dakota at _____
a point N 40°E, 108 rods from the SW corner, Section 21, T98N, R52W

_____, for Irrigation

purposes, has _____ 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 1.77 cu. ft. per second of water.

Date July 11, 1980


JOHN HATCH, Chief Engineer
Water Rights, WMD

WATER LICENSE NO. 3829-3

(1) WHEREAS, On the 10th day of March A. D. 19 77
Russell Knock

made Water Right Application No. 3829-3 for a permit to use 2.28 cubic feet per second of the waters of ground water (one well)
 County of Turner State of South Dakota, for Irrigation

purpose; and
 (2) WHEREAS, On the 25th day of May A. D. 19 77
 Permit No. 3829-3, with a date of priority of March 10, 1977
recognizing
 was issued to said applicant for the diversion of said water, and ~~XXXXXXX~~ the completion of construction of the water supply system therein described ~~XXXXXXXXXXXX~~ ~~XXXX~~ ~~XXXXXXXX~~ and for the application to beneficial use of said water ~~XXXXXXXXXXXX~~ ~~XXXXX~~ ~~XXXXXXXX~~

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 1.29 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,
for irrigating a 90 acre circle in the SW $\frac{1}{4}$ Section 21, T98N, R52W

(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 Russell Knock

_____ of Davis, SD
the holder _____ and owner _____ of said permit No. 3829-3 a water right, dating from March 10, 1977
_____ to use of 1.29 cubic feet per second of the waters
of ground water (one well)

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 a point N 40°E, 108 rods from the SW corner,
Section 21, T98N, R52W

and conducted to and upon a 90 acre circle in the SW¼ Section 21, T98N, R52W

for the purpose of Irrigation

Subject to any limitations listed in Water Right Permit No. 3829-3 and subject to the laws of the State of South Dakota.

WITNESS, My hand and seal of our office at Pierre, South Dakota
this 11th day of July A. D.
Nineteen Hundred and Eighty

WATER MANAGEMENT BOARD

By:

John Hatch
Chief Engineer, Executive Officer **JOHN HATCH**

Form 6 - Notice Intent to Appropriate Water

No. 3825-2

Publish first publication, on or before May 12, 1977

**NOTICE
INTENT TO APPROPRIATE WATER**

Pierre, South Dakota 57501

April 11, 1977

Notice is hereby given that Russell Knock
whose post office address is Davis, South Dakota, 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 the ground water through the
R. Knock, the point of diversion of which is to be located in the

near the center of SW 1/4

of Section 21, Twp. 56N, Range 52W. Said water to be used for the purpose
of providing irrigation on portions of
the following described land:

1/4, Section 21, T56N, R52W

This application No. 3825-2 will be considered by the Water Rights Commission at their office at
Pierre upon the 11th day of May, 1977, at 10:00 A.M. All interested
persons may appear and be heard.

WATER RIGHTS COMMISSION

By:

JAMES WINTERFON
Water Rights Specialist

Plc, SD

cc: Russell Knock, Davis, SD 57021

No. 3829-3

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Turner) ss.

I, James E. Wipf hereby
certify that the annexed printed copy of Notice of Intent to Appropriate
Water was taken from the Hurley Leader

A newspaper which during the whole time of publication of said notice
herein after stated, has been and is printed and published in the

city of Hurley
County of Turner and State of South Dakota;
that the said notice was published in said newspaper on the following
two dates:

April 21, 1977
April 28, 1977

James E. Wipf
(Signature)
Publisher
(Title)
4-28-77
(Date Signed)

— THE HURLEY LEADER —
Thursday, April 28, 1977

No. 3829-3
NOTICE
INTENT TO
APPROPRIATE WATER

Pierre, South Dakota 57501
April 11, 1977

Notice is hereby given that
Russell Knock whose post office
address is Davis, South Dakota,
has made an application in ac-
cordance with the provisions of
the water laws of South Dakota
for a permit to appropriate for
beneficial use 228 cubic feet of
water per second of time from
ground water through the R.
Knock #1, the point of diversion
of which is to be located near
the center of SW $\frac{1}{4}$ of Section 21,
Twp. 98N, Range 52W. Said water
to be used for the purpose of
providing irrigation on portions
of the following described land:
SW $\frac{1}{4}$, Section 21, T98N, R-
52W.

This application No. 3829-3 will
be considered by the Water
Rights Commission at their of-
fice at Pierre upon the 25th day
of May, 1977, at 10:00 A.M. All
interested persons may appear
and be heard.

WATER RIGHTS COMMISSION
By: James Winterton,
Water Rights Specialist

Publish: April 21 & 28, 1977.

My Commission Expires 2-4-85

James E. Wipf
April 28, 1977



RECEIPT

WATER RIGHTS COMMISSION
State of South Dakota

No 4 7584

PIERRE, July 11, 1930

RECEIVED OF Russell Knock, Davis, SD 57021

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. 3829-3	50	00
Fee for inspecting Beneficial Use, and Issuing Water License No. 382943		
Fee for Issuing Location Certificate-Dry Draw, No.		
Fee for filing		
Fee for certified copy of		
Fee for Print copy of map		
Fee for Certifying		
Fee for		
(any other work as provided by law)		
TOTAL	50	00

WATER RIGHTS COMMISSION

By: *(John Hatch)*
Chief Engineer, Executive Officer
JOHN HATCH

Permit No. 3829-3Water Division 3 VERMILLION RIVER Water DistrictREPORT OF EXAMINATION OF WORKS
AND/OR APPLICATION OF WATER TO BENEFICIAL USE

TO: WATER RIGHTS, WATER MANAGEMENT BOARD / FOSS BLDG., PIERRE, SOUTH DAKOTA 57501

I have this day made a thorough examination of the water use system constructed by RUSSELLKNOCK of DAVIS holderof Permit No. 3829-3, bearing date of priority of MARCH 10, 1977authorizing the diversion of 2.28 cu. ft. per second of the waters of GROUNDWATERfor IRRIGATION purposes, in TURNER County.

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

The Water Use System consists of,

A. Works used to divert the water:

210' DEEP WELL WITH 16" STEEL CASING - 30' SS SCREEN
LAYNE BOWER WELLINE 8" PUMP #813744 - 4 STAGE 12KM BOWLS
100 HP ALLIS CHALMERS ELECTRIC MOTOR

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

230' OF 10" BURIED PLASTIC LINE TO CENTER OF PIVOT

C. Works used to apply water to beneficial use.

8 TOWER ZIMMATIC CENTER PIVOT SYSTEM WITH
#150 END GUNThe system is in the following condition: GOODThe point of diversion is located N 40° E, 108 RODS FROM THE SW
CORNER, SECTION 21, T98N, R52WThe works are capable of diverting and conveying to the place of use 1.77 (800 G.P.M.)

cu. ft. per second of water which is to be used for _____

Water has been put to beneficial use to the maximum extent as follows: _____

FOR IRRIGATING A 90 ACRE CIRCLE IN THE SW 4
SECTION 21, T98N, R52Wcomprising a total of 90 acres of land = 1.77

Date

JUNE 18, 1980
[Signature]
(Signature)

 **Department of
Water & Natural Resources**
Joe Foss Building Water Rights, Water Management Division
Pierre, South Dakota 57501 (605) 773-3352

July 11, 1980

Russell Knock
Davis,
South Dakota 57021

Dear Mr. Knock:

Enclosed herewith are, Water License No. 3829-3 and Certificate of Construction.

Water License No. 3829-3 is the final water right document completing your process of obtaining a water right.

As long as you use the water beneficially, as stated in the Water License, the State Water Laws provide that you have a continuing right to use the water.

Very truly yours,

JOHN HATCH, Chief Engineer
Water Rights, WMD

JH:gy

enclosures

NOTE: Your pump capacity is 1.77 cfs (800 apm) and based upon the acreage actually irrigated, you are entitled to divert 1.29 cfs (579 gpm). Any diversion in excess of 1.29 cfs would be a violation of your Water Right.

WNR-817-7/79
Transmittal of Water License

3829-3



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3181

December 21, 1995

1771-3
3829-3

Gary Knock
46020 283rd Street
Davis, SD 57021

Dear Mr. Knock:

Enclosed are two partially completed *Notice of Transfer of Ownership* forms for use in filing ownership changes on Water Right Nos. 1771-3 and 3829-3, currently listed in the name of Russell Knock. It is my understanding, from the notation made on the 1995 irrigation questionnaires, that you now own the land described in the water rights.

Please review the forms for accuracy and make any necessary corrections. Please sign the forms in the presence of a notary public and return them to our office with a \$2.50 filing fee for each transfer (\$5.00 total).

If you have any questions concerning completion of the transfer forms, please contact me.

Sincerely,

Genny McMath
Environmental Scientist
Water Rights Program
(605) 773-3352

enclosures

NOTICE OF TRANSFER OF OWNERSHIP

To: Chief Engineer
Water Rights Program, DENR
523 E. Capitol
Pierre, SD 57501-3181



No. 3829-3

Date: Dec 26-95

I/We request that Water Right No. 3829-3

formerly owned by: Russell Knock, RR 1 Box 83, Davis, SD 57021

be transferred to: (name & address) Gary Knock, 46020 283rd Street, Davis, SD 57021

Telephone No. (605) 238-5616

Title to the following described land(s) property has been transferred as described above:

90 acres in the SW 1/4 Section 21, T98N, R52W

I/We understand that the validity of Water Right No. 3829-3 has not been determined by this transfer action. If I/We have any questions on validity, I/We understand that only the Water Management Board has the authority to determine if a water permit/right is valid (see note).

You are requested to file this "Notice of Transfer" in the appropriate file with the Water Rights Program, as evidence of the change of ownership.

A fee of Two Dollars and Fifty Cents (\$2.50) is attached to cover the filing fees as required under SDCL 46-2-13.

STATE OF SOUTH DAKOTA)

County of Turner)

I/We Gary Knock 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, and that I know of my own personal knowledge that the information herein stated is true.

Gary Knock
(Signed)

Subscribed and sworn to before me this 26 day of Dec, 19 95.

Robert C. Temple
(Notary Public)

NOTE: Water permits may be cancelled for nonconstruction within the five year construction period. Once a water permit is developed and the water used, the permit becomes a right. A water right may be lost for three reasons:

1. Abandonment - no intent to use water and use is abandoned.
2. Forfeiture - no use of water for three year period without legal excuse.
3. For a third violation of a condition of a water permit/right.

RECEIPT

Division of Water Rights

414726

South Dakota Department of Environment and Natural Resources

Pierre, _____ December 28, 19 95

RECEIVED OF Gary Knock, Box 35, Davis, SD 57021

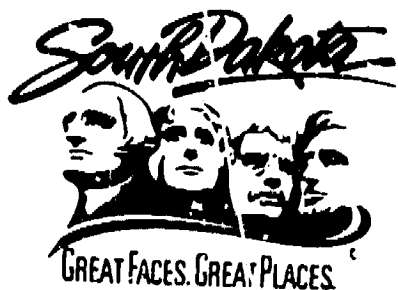
the following amount in fees for services rendered as provided for by law:

Fee for Application for Permit No. _____ to Appropriate Water, to construct and to put water to beneficial use _____		
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. _____		
Fee for Filing Transfer Form <u>Water Right No. 3829-5</u>	2	50
Fee for Filing Extension Request _____		
Fee for _____		

(Any Other Work Provided by Law)	Total	2 50

By *John H. Welch*
Chief Engineer

3829-3



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3181

January 2, 1996

No. 177i-3

3829-3

Gary Knock
46020 283rd Street
Davis, SD 57021

Dear Mr. Knock:

Enclosed are receipts in the amount of \$2.50 each which you paid for the transfer of Water Right Nos. 1771-3 and 3829-3.

Our records now show you as the owner of Water Right Nos. 1771-3 and 3829-3.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Cheryl F. Frost'.

Cheryl F. Frost
Secretary
Water Rights Program
(605) 773-3352

enclosure

RUSSEL KNOCK IRRIGATION SYSTEM #1
Russel Knock, Davis, S. D. 57021 Owner

4
N

Well was established in 1958. In process of redrilling
new well to deeper depth.

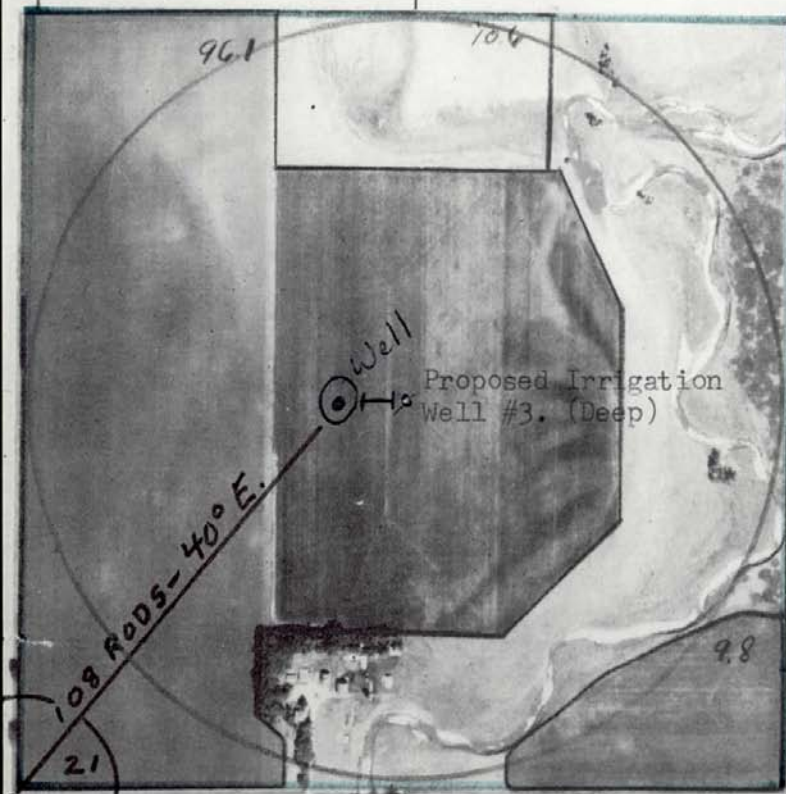
Area To Be Irrigated:

SW $\frac{1}{4}$ 21-98-52

(Area to be irrigated remains the
same; new well drilled to deeper
depth.)

R. 52 W.

T. 98 N.



Legal Description

SW $\frac{1}{4}$ 21-98-52

62888 App 10-3829-3

NOT TO SCALE

