

1. Considered 1-22, 1976 2461-3
2. Name of Applicant CHARLES PICKIN
3. Post Office Address BRITTON
4. Amount of water claimed 3.30
5. Source of water supply GROUND WATER (159' DEEP WELL)
6. Water to be used for IRRIGATION
- Acres to be irrigated 231
7. Water to be diverted and used in MARSHALL county
about 1E, 6N miles of BRITTON
8. Proof of Publication Received 1-6-76
Not Received
9. Application Approved
Subject to
Not Approved
Action deferred

10. Remarks:

No. 2461-3
 Map No. 182B-3 Water Division No. 3 JAMES RIVER District
 (Blanks to be filled by the Engineer for the W. R. C.)

APPLICATION FOR PERMIT

8.24

To appropriate Water within the State of South Dakota

(NOTE--Draw a line through items not applicable)

1. Name of Applicant Charles Pitkin
 Postoffice address Butte State W. Dak 57430
 If a corporation show date and place of incorporation _____
 2. Method of accomplishing work (contract, employment of others, or by direct labor) Contract & Direct Labor
 3. Name of diversion work Charles Pitkin Irrigation Project
 4. Amount of water claimed (cubic feet per second) 3.3
 5. Source of water supply well
 6. Location of point of diversion 3230' N66°E of SW corner Section 21
128-58
 County Marshall
 7. Annual period or periods during which water is to be used Apr. 1 through October
 8. Use to be made of water, (irrigation, industrial, municipal, commercial, recreation, etc.) Irrigation
 9. For irrigation use, Total number of acres to be irrigated 231

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.	Land Description	No. Acres Irr.
NW 1/4 of SW 1/4 Sec 25-128-58	3.9	NW 1/4 of SE 1/4 Sec 35-128-58	1.0
NE 1/4 of SW 1/4 Sec 25	4.0	SW 1/4 of SE 1/4 Sec 25-128-58	3.5
SW 1/4 of SW 1/4 Sec 25	3.9		
SE 1/4 of SW 1/4 Sec 25	3.9		

Attach sheet if more space is needed

10. Time required to complete construction of water supply system Five years. Additional time required to complete application of water to the proposed beneficial use + 4 years
 11. Choice of newspaper for Notice of Intent to appropriate Water publication Butte Journal
 12. Principal Features of the Proposed Water Supply System.

A. Works proposed to divert water from its natural source.

Electrically driven deep well turbine on well

B. Works proposed to transport water to place of use.

closed conduit

C. Works proposed to apply water to beneficial use.

center pivot irrigation machineEstimated Total Cost \$ 45,000

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

County of Marshall

I, Charles Pitkin, 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 Charles PitkinSubscribed and sworn to before me this 17 day of Oct 19 75

Notary Public (or other qualified officer)

7-9-81

WATER RIGHT APPLICATION APPROVAL

The Water Resources Commission hereby approves Water Right Application No. 2461-3
CHARLES PITKIN BRITTON
 (Applicant) (Post Office Address)
SOUTH DAKOTA 57430 With the following modifications:
 (State)

The irrigation well approved under this Permit is located near domestic 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 existing domestic wells.

Date of first receipt of application OCTOBER 21 19 75
 Date of return to applicant for correction, amendments or changes required — 19 —
 Date of receipt of corrected application — 19 —
 Approved JANUARY 22 19 76 Recorded in Book 14 Page 219

WATER RIGHT PERMIT NO. 2461.3
 The Water Resources Commission hereby grants and issues this Water Right Permit No. 2461.3 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 OCTOBER 21 19 75
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before JULY 22 19 78
3. The whole of said work is to be completed on or before JANUARY 22 19 81
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is JANUARY 22 19 84
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 3.3 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 use 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 JANUARY 22 19 84 said water to be used during the following described annual period: APRIL THRU OCTOBER

Witness my hand this 30TH day of JANUARY 19 76

WATER RESOURCES COMMISSION

By:

John M. H. H.
 Chief Engineer, Executive Officer

Certificate of Construction Issued — 19 —

Water License Issued — 19 —

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

D. Well Information or Estimates

- (1) Drill Hole, Diameter 30" Depth 159'
 (2) Casing, Type Plastic Diameter 16" Thickness 3/8"
 (wood, concrete, steel, etc.)
 (3) Perforated Screen.
 Type Sawed Steel in Plastic Diameter 16" Length 40'
 (4) Gravel Pack, Thickness 6" Length of gravel pack 60'

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 See attached log

Depth to top of water bearing material 130'

Depth to bottom of water bearing material 159'

Thickness of water bearing material 29'

Depth to water (ground surface to water level) 49'

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

On same owner's property none rds. On property owned by others 160 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.

Charles P. Patten

Signature of Applicant

October 24, 1975



Mr. Charles Pitkin
Britton, SD 57430

Dear Mr. Pitkin:

We have completed the analysis of the water samples submitted here October 17. The original copies of the reports of analysis are enclosed for your safekeeping. Also enclosed you will find a copy of extension circular 654 with the quality of these waters designated by small, red crosses on the outside back cover. Number 2 and #3 are very small crosses which are encircled. All of these waters are similar in quality but #1 is the best. If you wish to apply for use permits for #2 and #3, you will have to submit separate WI-1 forms for each of these samples.

The #1 water is satisfactory for use in this climatic area. Although it is on the high side for total salinity, the salts are not very high in sodium and therefore there should be no difficulty with sodium-caused dispersion. However, there may be times when there is an apparent build-up of salts on the surface soil as evidenced by grayish or whitish crusts on the soil. If this becomes severe enough to influence the performance of crops, you should get in touch with us for management or leaching procedures to reduce the salinity in the surface.

A copy of this letter, and the WI-1 form, and a copy of the water analysis are being sent to the State Conservation Commission.

Sincerely yours,

L. O. Fine

L. O. Fine
Water Quality Lhb

LOF:ckb

Enclosures

cc: State Conservation Commission

D. Pahl

Richard Durland, County Extension Agent

STATE CONSERVATION COMMISSION
SUPPORTING INFORMATION
FOR APPROPRIATION OF GROUND WATER IN ACCORDANCE
WITH SECL 46-6-3 AS AMENDED
(This Form Required for Proposed Well Irrigation Only)

FOR COMMISSION USE ONLY

Irrigation System: _____

Water Quality: _____

Soils Capability: _____

Approved: [Signature]

Disapproved: _____

NAME: CHARLES PITMAN

ADDRESS: BITTON SO. DAK

COUNTY: MARSHAL

LEGAL DESCRIPTION

1. WELL LOCATION: See map on next sheet
S. 1/4 25 & west 1/2 S.E. 1/4 - 25 - 126-58
2. AREA TO BE IRRIGATED: →

TYPE OF IRRIGATION

3. GRAVITY SPRINKLER (Indicate Type): Center Pivot
4. CROPS TO BE IRRIGATED: Corn & wheat

LAND CAPABILITY FOR IRRIGATION

5. PERCENTAGE OF SLOPE: See next page
Slope range from 0-2% to 2-6% on western portion of
fields planned to be irrigated
6. PHYSICAL SOILS CLASSIFICATION FOR IRRIGATION: See map on next sheet
Boonville, S. 1/4 25 & west 1/2 S.E. 1/4 - 25 - 126-58
Area - Great Bend Soil Series - 2-6%

WATER QUALITY (TO BE COMPLETED BY COMMISSION)

7. SAMPLE NO.: no 1 75-1002
8. SALINITY: EC = 976 μ mhos/cm (med-high)
9. SODIUM: SAR = 0.97 (low)

I do hereby certify that a chemical analysis of the ground water to be
acquired for irrigation from South Dakota State University and:

the land capability for irrigation information has been acquired from

Soil Survey of Marshall County

and

that the legal description for the location of the well and land to be
irrigated is true and correct.

Charles Pitkin

Subscribed and sworn before me this

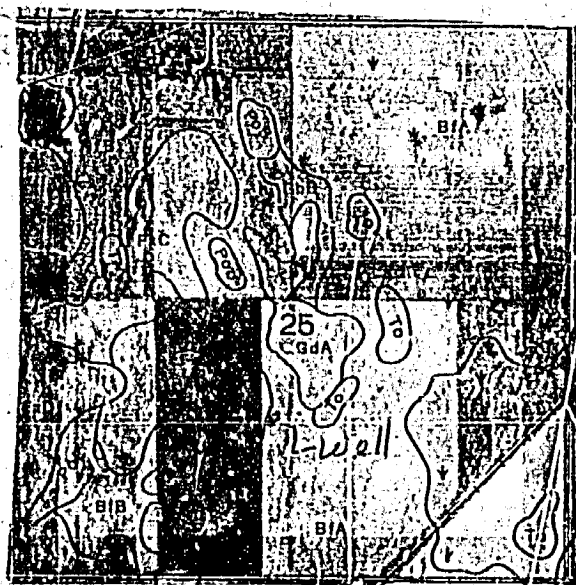
17 day of Oct 1975.

Lyle E. Eklund

Notary Public

(Title)

7-9-81



BSA - Beolia Sil Loam 0-5% slope
GMA - Great Bend Beolia Sil Loam
Ta - Tanke Sil Loam
F&C - Foreman Pomisot
PoB - Pomisot Foreman

well irrigated 50' x 25'
for water 50' x 25' at 25'

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

Submitted by: Charles Pitkin
 Address: Britton, SD 57430

Date Rec'd October 17, 1975
 Sample No. 75-1002
 Identification #1 Well-160'
St. Sec. 25, T 128N, R 58W

WATER ANALYSIS

Calcium (Ca)	102	ppm*	5.10	me/l**
Magnesium (Mg)	33	ppm	2.71	me/l
Sodium (Na)	13	ppm	0.56	me/l
Potassium (K)	9	ppm	0.23	me/l
Sulfate (SO ₄)	120	ppm	2.50	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	4	ppm	0.13	me/l
Bicarbonate (HCO ₃)	361	ppm	6.24	me/l
Carbonate (CO ₃)		ppm		me/l
Iron (Fe)		ppm		me/l
Fluoride (F)		ppm		me/l
Hardness (EDTA as CaCO ₃)		ppm		g.p.g.***
Alkalinity (Methyl Orange)	312	ppm (as CaCO ₃)		
Alkalinity (Phenolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	815	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	0.28			
Sodium	6.51	% of cations		
Residual sodium carbonate	0.00	me/l		
pH	7.62			
Others:				

*ppm=parts per million
 **me/l=milliequivalents per liter

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

COMMENTS: **Total cations** 8.60 me/l
 Total anions 8.87 me/l

By: Shirley Mittan

Service Performed

Amount Due

Irrigation analysis

\$6.00 PAID

Make checks payable to: Water Quality Laboratory

Cut along dotted line and return the lower portion with payment

Sample No. 75-1002

Amount Enclosed \$

Signed

Form 6 - Notice of Intent to Appropriate Water

C. 2461-3

Publish first publication, on or before January 0, 19 76

NOTICE
INTENT TO APPROPRIATE WATER

Pierre, South Dakota 57501

December 12, 19 75

Notice is hereby given that Charles Pitkin

whose post office address is Britton, 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

3.3 cubic feet of water per second of time from the ground water through the Pitkin Irrigation Project No. 1, the point of diversion of which is to be located in the

SW 1/4 SE 1/4

of Section 25, Twp. 128N, Range 58W. Said water to be used for the purpose of providing irrigation on the following described land:

SW 1/4 & NW 1/4 SE 1/4, Section 25, T128N, R58W

This application No. 2461-3 will be considered by the Water Rights Commission at their office at Pierre upon the 22nd day of January, 19 76, at 2:30 P.M. All interested persons may appear and be heard.

WATER RIGHTS COMMISSION

By:

BURTON F. JONES
Water Rights Specialist

BFJ/bw

cc: Charles Pitkin

Form 8 - Proof of Publication - Notice of
Intent to Appropriate Water

No. _____

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Marshall) ss.

I, Charles L. Card hereby
certify that the annexed printed copy of Notice of Intent to Appropriate
Water was taken from the Britton Journal

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

Britton Journal of Britton

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

December 24, 1975

December 31, 1975

Charles L. Card
(Signature)

Publisher
(Title)

Jan 3, 1976
(Date Signed)

77 (Dec. 24-31)
NOTICE INTENT TO
APPROPRIATE WATER

Pierre, So. Dak. 57501
December 12, 1975

Notice is hereby given that
Charles Pitkin whose post office
address is Britton, South
Dakota, has made an ap-
plication in accordance with the
provisions of the water laws of
South Dakota for a permit to
appropriate for beneficial use
5.3 cubic feet of water per
second of time from the ground
water through the Pitkin
Irrigation Project No. 1, the
point of diversion of which is to
be located in the SW 1/4 SE 1/4 of
Section 25, Twp. 128N, Range
58W. Said water to be used for
the purpose of providing
irrigation on portions of the
following described land:

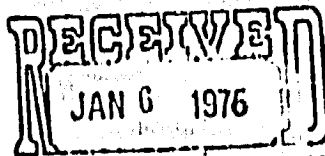
SW 1/4 & W 1/4 SE 1/4, Section 25,
T128N, R58W.

This application No. 2461-3
will be considered by the Water
Rights Commission at their
office at Pierre upon the 22nd
day of January, 1976, at 2:30
P.M. All interested persons
may appear and be heard.

WATER RIGHTS
COMMISSION

By: BURTON F. JONES
Water Rights Specialist

362 - 8th
10 1/2 pms
849



STATE WATER RIGHTS DIV
PIERRE, SOUTH DAKOTA



Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181

May 26, 1988

Charles Pitkin
RR 1, Box 168
Britton, SD 57430

Dear Mr. Pitkin:

I am writing in regard of our review of irrigation questionnaire records. No irrigation has been reported for the last five irrigation seasons under Permit No(s) 2461-3, 2920-3, 2921-3.

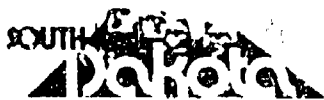
South Dakota Codified Laws state that when any person fails to use water for the purpose for which it was appropriated for a period of three years, or abandons the use of the water, such unused water shall revert to the public. An exception to the law is when there is legal excuse for nonuse of water. Examples of legal excuse for nonuse of water are when water is not available or legal proceedings which prevent the use of water.

Since your permit(s) has (have) not been used for five years, the permit(s) may be subject to cancellation by the Water Management Board unless there is a legal reason for not using water. Please advise by June 17, 1988 if you still want to keep your water right and if there is a reason why water has not been used. Let us know, if you have any questions.

Very truly yours,

JOHN HATCH, Chief Engineer
Water Rights Division
605 773-3352

2461-3



Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181

June 17, 1988

Charles Pitkin
Rt. 1 Box 168
Britton, SD 57430

Dear Mr. Pitkin:

I am writing in regard to our conversation on June 1, 1988 concerning your Water Permit No. 2461-3. As I explained at that time, an additional water permit is needed to correctly describe your irrigation development in the S1/2 of Section 25, T128N, R58W.

Enclosed is a partially completed FORM 2 (Application For Soil/Water Compatibility Permit and Permit To Appropriate Water). This permit application proposes to correctly describe the location of the diversion point and add six acres which were not described on Water Permit No. 2461-3. You must complete the portions of the application denoted with a red *, sign both copies, and have both copies notarized. You will not need to submit a water sample or soils map since that information is already available to the Division of Conservation. There is a \$50.00 fee required for this application.

After you have completed and reviewed the forms, return the forms, fee and enclosed map to our office. We can then continue with the process of licensing your water permit. If you have any questions, please contact us.

Sincerely,

James L. Wendte
Natural Resources Engineer
(605) 773-3352

enc





Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181

5204-3

SEP 14 1989

Charles Pitkin
RR #1 Box 168
Britton, SD 57430

Dear Mr. Pitkin:

Enclosed is Water License No. 5204-3. This is the final water right document completing your process of obtaining a Water Right. Enclosed is Receipt No. 411743 in the amount of \$50.00 which you paid for the inspection and issuance of the Water License.

For your information SDCL 46-6-27 requires that if the owner of an existing well, such as the well authorized by Water Right No. 5204-3, 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.

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. If you have any questions, please contact our office.

Very truly yours,

JOHN HATCH, Chief Engineer
Water Rights Division
(605) 773-3352

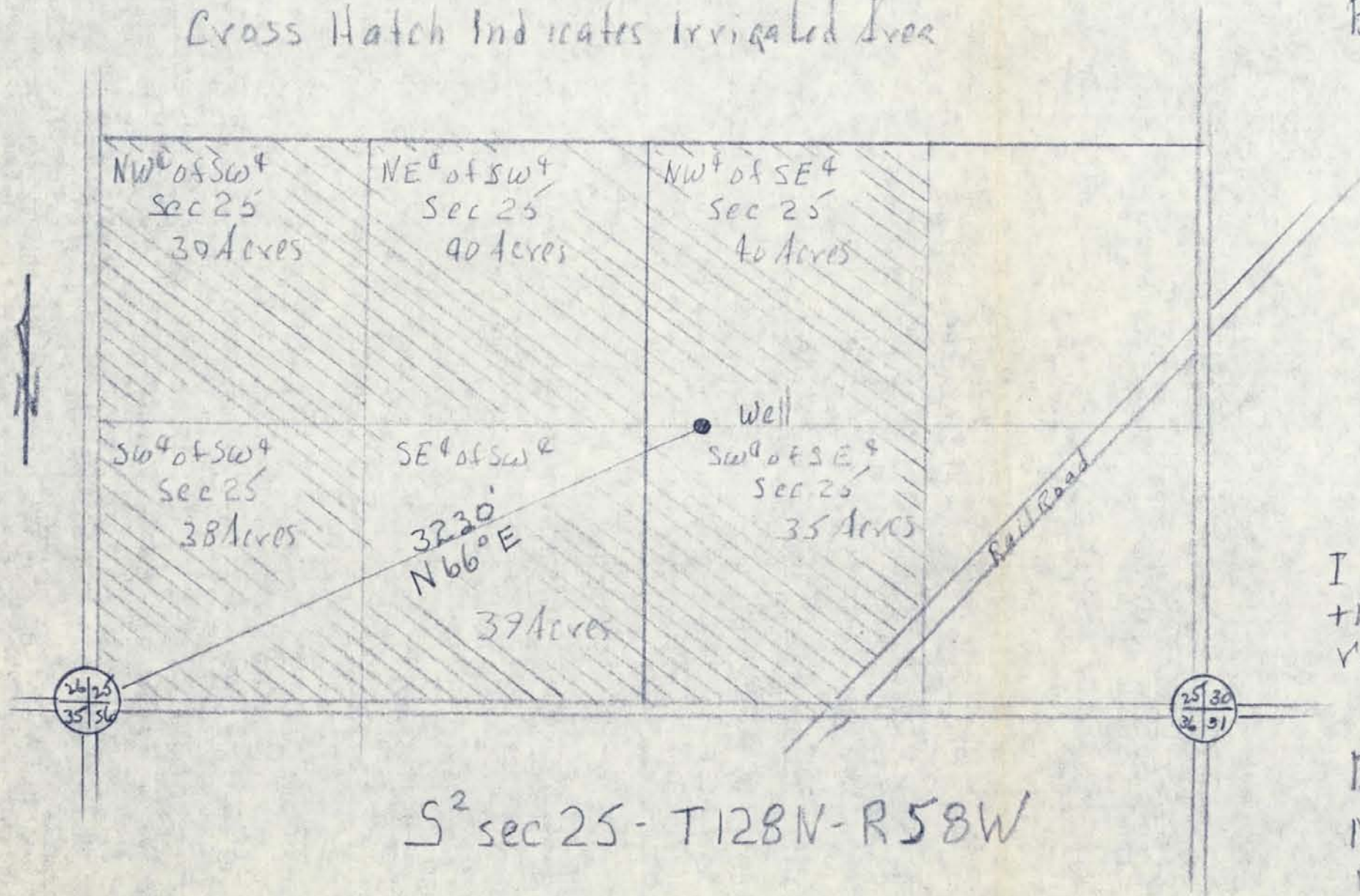
enclosures

Note: The applicable portions of Water Permit No. (2461-3) have been incorporated into this Water License No. 5204-3.



Point of Diversion - 3230' N 66° E of SW corner
 Section 25-128-58
 Water claimed - 3.3 cfs
 Acres Irrigated - 231
 Cross Hatch Indicates Irrigated Area

CHARLES PITKIN
 IRRIGATION PROJECT # 1
 Britton South Dakota
 Marshall County



S² sec 25 - T128N - R58W

Scale - 8" = 1 Mile

Surveyor's Certificate
 I, John L. Wiersma, do hereby certify that
 this map identifies a reasonably accurate
 record of the land of

Charles Pitkin

Britton
 Marshall County
 Drawn by: J. L. Wiersma

South Dakota
 10-17-75
 P.E. #1916

John L. Wiersma

Brookings S.D.

MAP NO 1828-3 APPL NO 2461-3