

Water Right Number 2419-3

1. Considered Nov. 12, 19 75
2. Name of Applicant Lawrence F. Spilde
3. Post Office Address Estelline, S.D.
4. Amount of water claimed 1.14
5. Source of water supply ground water (27' DEEP WELL)
6. Water to be used for irrigation
- Acres to be irrigated 79
7. Water to be diverted and used in Hamlin County
about 2E, 4N Miles of ESTELLINE
8. Proof of Publication Received 11-10-75
Not received _____
9. Application Approved _____
Subject to _____
Not approved _____
Action deferred _____

10. Remarks:

No. 2418-3Map No. 1796-B³ Water Division No. 3 BIG SIOUX RIVER District _____
(Blanks to be Filled by the Engineer for the W. R. C.)

APPLICATION FOR PERMIT TO APPROPRIATE WATER RIGHTS

To Appropriate Water within the State of South Dakota

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

1. Name of Applicant Lawrence F. Spilde
Postoffice address Estelline, State S. D.
If a corporation show date and place of incorporation _____
2. Method of accomplishing work (contract, employment of others, or by direct labor) employment of others
3. Name of diversion work Spilde #3
4. Amount of water claimed (cubic feet per second) 1.14 MAXIMUM ALLOWABLE
5. Source of water supply well
6. Location of point of diversion NW corner of NE⁴, SW⁴ 3-113-51

County Hamlin

7. Annual period or periods during which water is to be used April thru 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 79

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.
<u>SW², NE⁴ 3-113-51</u>	<u>40</u>		
<u>SE⁴, NE⁴ 3-113-51</u>	<u>39</u>		

Attach sheet if more space is needed

10. Time required to complete construction of water supply system 5 years. Additional time required to complete application of water to the proposed beneficial use 3 years.
11. Choice of newspaper for Notice of Intent to Appropriate Water publication Estelline Journal
12. Principal Features of the Proposed Water Supply System.

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

50 horse power electric motor, turbine pump

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

80 rods above ground 6" aluminum or PVC pipe

C. Works proposed to apply water to beneficial use.

rowline with sprinklers or big gunEstimated Total Cost \$ 25 000Attachments: Attach Form 2A if diversion from well or dugout, or if storage of water, is proposed. Attach map.
(See instructions concerning preparation.)

STATE OF SOUTH DAKOTA

County of HamlinI, Lawrence F. Spilde, 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 Lawrence F. SpildeSubscribed and sworn to before me this 10 day of Oct, 1975

Merlaine Eysnach
Notary Public, Hamlin County, S. D.
My Commission Expires June 18, 1981

WATER RIGHT APPLICATION APPROVAL

The Water Rights Commission hereby approves Water Right Application No. 2419-3LAWRENCE F. SPILDE

(Applicant)

ESTELLINE

(Post Office Address)

SOUTH DAKOTA 57234

(State)

With the following modifications:

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 15 19 75

Date of return to applicant for correction, amendments or changes required _____ 19 _____

Date of receipt of corrected application OCTOBER 27 19 75Approved NOVEMBER 13 19 75 Recorded in Book 14 Page 147WATER RIGHT PERMIT NO. 2419-3

The Water Rights Commission hereby grants and issues this Water Right Permit No. 2419-3 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 15 19 75
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before MAY 13 19 78
3. The whole of said work is to be completed on or before NOVEMBER 13 19 80
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is NOVEMBER 13 19 83
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 1.14 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 NOVEMBER 13 19 83; said water to be used during the following described annual period: APRIL THRU OCTOBER

Witness my hand this 21ST day of NOVEMBER 19 75

WATER RIGHTS COMMISSION

By:

Chief Engineer, Executive Officer

Certificate of Construction Issued _____ 19 _____

Water Use Issued _____ 19 _____

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

D. Well Information or Estimates

- (1) Drill Hole, Diameter 32", Depth 27'
- (2) Casing, Type Fiberglass Diameter 20" Thickness 3/8"
(wood, concrete, steel, etc)
- (3) Perforated Screen.
Type I. D. Fiberglass, Diameter 20", Length 16'
- (4) Gravel Pack. Thickness 6', Length of gravel pack 26'

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 coarse sand and
gravel

Depth to top of water bearing material 10'

Depth to bottom of water bearing material 26'

Thickness of water bearing material 16'

Depth to water (ground surface to water level) 8 feet i.e. static water level

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

On same owner's property 120 ft. On property owned by others 120 ft.

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.

Lawrence F. Spicole
Signature of Applicant

October 17, 1975

Mr. Lawrence F. Spilde
Estelline, SD 57234

Dear Mr. Spilde:

The analysis of the 3 water samples submitted recently from Hamlin County has been completed. The original copies of these analyses are enclosed herewith for your use and safe keeping. Also enclosed is a copy of extension circular 654 with the approximate quality of these three waters for irrigation purposes designated by the intersection of the three crosses pointed to by arrows with the accompanying water sample numbers 75-933, 75-934, 75-935 designating their approximate qualities.

As you see, these waters are very similar in quality, and although moderately high in total salt, should cause no difficulty with salinity accumulation on the soils which you intend to irrigate. All three are very low in sodium content so there will be no problem of the sodium-caused aggregated dispersion or structure deterioration. Thus, there is no chemical difficulty anticipated with these waters. However, as you are aware, some of these soils have slopes of up to 3% or perhaps higher and there will be considerable erosion with certain crops and irrigation practices. I, therefore, recommend for long time satisfaction and high productivity that you be careful to irrigate these soils in a fashion consistent with their intake capability and not cause erosion to deteriorate their fertility.

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

Sincerely yours,

L.O. Fine

L. O. Fine
Water Quality Lab

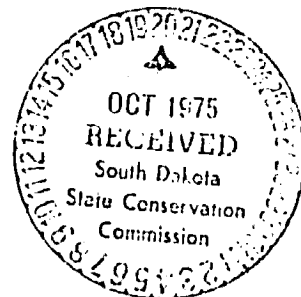
LOF:ckb

Enclosures

cc: State Conservation Commission

D. Pahl

Harold Campbell, County Extension Agent



Conservation
Commission
Form WL #1

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

FOR COMMISSION USE OF

Irrigation System: _____

Water Quality: _____

Soils Capability: _____

Approved: Alfred Spilde

Disapproved: _____

NAME: Lawrence E. Spilde

ADDRESS: Estelline S. D. 57234

COUNTY: Hamlin

Spilde #3

LEGAL DESCRIPTION

1. WELL LOCATION: NW corner of NE⁴, SW⁴ 3-113-51

2. AREA TO BE IRRIGATED: S²NE⁴ 3-113-51

TYPE OF IRRIGATION

3. GRAVITY SPRINKLER (Indicate Type): twinline or big gun

4. CROPS TO BE IRRIGATED: Alfalfa and or bromegrass

LAND CAPABILITY FOR IRRIGATION

5. PERCENTAGE OF SLOPE: 6 Ac - 270; 20 Ac - 6-8%; 54 Ac - 3704%

6. PHYSICAL SOILS CLASSIFICATION FOR IRRIGATION: CONSERVATION SURVEY

1"/hr intake 0.5"/hr intake 0.5"/hr intake
6 Ac Fordville 71 Ac Barnes 3 Ac Pastal
Loren B. H. B. Smith, D.C., SCS, H-1971

WATER QUALITY (TO BE COMPLETED BY COMMISSION)

7. SAMPLE NO.: 75-933

8. SALINITY: EC - 988 micro mhos/cm (moderately high)

9. SODIUM: SAR - 0.26 (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

Laurel H. Johnson, D. S. U. Agronomy Dept.

and:

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

Lawrence F. Spielholz

Subscribed and sworn before me this

27 day of Sept 1975.

Mirlaine Eismach

MIRLAINE EISNACH

Notary Public, Hamlin County, S. D.

My Commission Expires June 18, 1983

(Title)



Conservation
Commission
Form WL #1

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

FOR COMMISSION USE OF

Irrigation System:

Water Quality:

Soils Capability:

Approved: [Signature]

Disapproved: _____

NAME: Lawrence F. Spilde

ADDRESS: Estelline S.D. 57234

COUNTY: Hawkins

Spilde #3

LEGAL DESCRIPTION

1. WELL LOCATION: NW corner of NE⁴ SW¹ 3-113-51
2. AREA TO BE IRRIGATED: SE¹ NE⁴ 3-113-51

TYPE OF IRRIGATION

3. GRAVITY SPRINKLER (Indicate Type): Towline or big gun
4. CROPS TO BE IRRIGATED: Alfalfa and/or grain crops

LAND CAPABILITY FOR IRRIGATION

5. PERCENTAGE OF SLOPE: 6AL 27%; 20AL 6-8%; 54AL - 304%
6. PHYSICAL SOILS CLASSIFICATION FOR IRRIGATION: CONSERVATION SURVEY
1"/hr intake 0.5"/hr intake 0.5"/hr intake
2AL Fordville 7AL Barnes 3AL Astoria
2FV 2FV Loren B. Howard, DC, SCS, HATTI

WATER QUALITY (TO BE COMPLETED BY COMMISSION)

7. SAMPLE NO.: _____
8. SALINITY: _____
9. SODIUM: _____

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

Loren Holman, D.C. Sec. Hamlin Co.

and:

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

Lawrence F. Pfeiffer

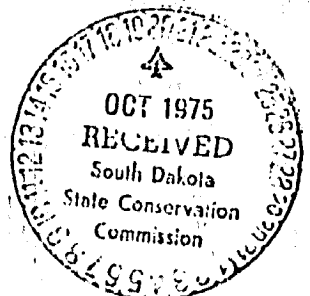
Subscribed and sworn before me this

29 day of Sept 19 75

Merlaine Eismach

MERLAINE EISMACH
Notary Public, Hamlin County, S. D.
My Commission Expires June 18, 1983

(Title)



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

Submitted by: Lawrence F. Spilde
 Address: Estelline, SD 57234

Date Rec'd September 30, 1975
 Sample No. 75-933
 Identification #2 Well-
SWA, Sec. 3, T 113N, R 51W

WATER ANALYSIS

Calcium (Ca)	120	ppm*	6.00	me/l**
Magnesium (Mg)	52	ppm	4.26	me/l
Sodium (Na)	14	ppm	0.59	me/l
Potassium (K)	2	ppm	0.06	me/l
Sulfate (SO ₄)	211	ppm	4.39	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	11	ppm	0.31	me/l
Bicarbonate (HCO ₃)	264	ppm	4.32	me/l
Carbonate (CO ₃)	24	ppm	0.80	me/l
Iron (Fe)		ppm		me/l
Fluoride (F)		ppm		g.p.g.***
Hardness (EDTA as CaCO ₃)		ppm		
Alkalinity (Methyl Orange)	216	ppm (as CaCO ₃)		
Alkalinity (Phenolphthalein)	40	ppm (as CaCO ₃)		
Electrical Conductivity	988	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	0.26			
Sodium	5.40%	% of cations		
Residual sodium carbonate	0.00	me/l		
pH	8.36			
Others:				

*ppm=parts per million

**me/l=milliequivalents per liter

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

COMMENTS: Total cations 10.92 me/l
 Total anions 9.32 me/l

By: Shirley Eitten

Service Performed	Amount Due
Irrigation analysis	\$6.00

Make checks payable to: Water Quality Laboratory

Cut along dotted line and return the lower portion with payment

Sample No. 75-933

Amount Enclosed \$

Signed

1. 2419-3

Publish first publication, on or before November 3, 1975

NOTICE
INTENT TO APPROPRIATE WATER

Pierre, South Dakota 57501

October 27, 1975

Notice is hereby given that Lawrence F. Spilde
whose post office address is Estelline, 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
1.14 cubic feet of water per second of time from the ground water through the
Spilde #3, the point of diversion of which is to be located in the

NE $\frac{1}{4}$ SW $\frac{1}{4}$

of Section 3, Twp. 113N, Range 51W. Said water to be used for the purpose
of providing irrigation on ~~the following~~ ^{portions of} described land:

S $\frac{1}{2}$ NE $\frac{1}{4}$, Section 3, T113N, R51W

This application No. 2419-3 will be considered by the Water Rights Commission at their office at
Pierre upon the 12th day of November, 1975, 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:

Lawrence F. Spilde, Estelline, S.D. 57234

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

No. 2419-3

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Codington) ss.

I, John R. Lowrie hereby
certify that the annexed printed copy of Notice of Intent to Appropriate
Water was taken from the Watertown Public Opinion

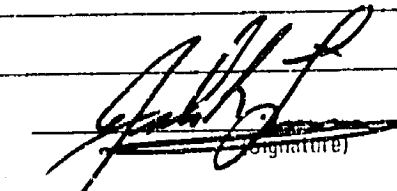
A newspaper, which during the whole time of publication of said notice
herein after stated, has been and is printed and published in the

city of Watertown

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

Oct. 31, 1975

Nov. 7, 1975



General Manager
(Title)

Nov. 7, 1975

(Date Signed)

PUBLIC NOTICE
NO. 2419-3
NOTICE INTENT TO
APPROPRIATE WATER
Pierre, South Dakota 57501
October 27, 1975
Notice is hereby given that
Lawrence F. Splide whose post
office address is Estelline, 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 1.14 cubic feet of water per
second from the ground water
through the Splide No. 3, the point of
diversion of which is to be located in
the NE 1/4 SW 1/4 of Section 2, Twp.
113N, Range 51W. Said water to be
used for the purpose of providing
irrigation on the following described
land: S 1/2 NE 1/4, Section 3, T113N,
R51W.
This application No. 2419-3 will be
considered by the Water Rights
Commission at their office at Pierre
upon the 12th day of November,
1975, at 2:30 P.M. All interested
persons may appear and be heard.
WATER RIGHTS
COMMISSION
BURTON F. JONES
Water Rights
Specialist
(October 31; Nov. 7, 1975)

3 1/4 @ 2.25 x 2 =
714.62

Water Rights Division
Pierre

I have completed all
water permits and intentions
Should this be put into a
licence at this time?

Lawrence F. Gieble
Estelline

R 1 Box 144

57234

November 30, 1984

Lawrence F. Spilde
RR#1, Box 144
Estelline, South Dakota 57234

Dear Mr. Spilde:

This will acknowledge receipt of, and thank you for the return of your 1984 Irrigation Questionnaires. In response to your inquiry concerning licensing of your permits, after the project is inspected, licenses can be issued.

We will endeavor to schedule an inspection of your water use system as time permits. The intervening time between the actual inspection and issuance of a water license has no bearing on your water permits. You have completed the requirements of your water permits by notifying our office of the completion of the project. The inspection and licensing process is now our responsibility.

If you have any further questions, please contact us.

Sincerely,

Genny McMath
Natural Resources Analyst

GM:ms



Department of Water & Natural Resources

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

WATER RIGHTS DIVISION
(605) 773-3352

2419-3
2421-3
3975-3

November 30, 1984



Lawrence F. Spilde
RR#1, Box 144
Estelline, South Dakota 57234

Dear Mr. Spilde:

This will acknowledge receipt of, and thank you for the return of your 1984 Irrigation Questionnaires. In response to your inquiry concerning licensing of your permits, after the project is inspected, licenses can be issued.

We will endeavor to schedule an inspection of your water use system as time permits. The intervening time between the actual inspection and issuance of a water license has no bearing on your water permits. You have completed the requirements of your water permits by notifying our office of the completion of the project. The inspection and licensing process is now our responsibility.

If you have any further questions, please contact us.

Sincerely,

Genny McMath
Natural Resources Analyst

GM:ms



Am sending this sheet to show we
had kept in touch concerning the completion
and work of irrigation project # 2419-3

J. L. Lacey
Lacey & Lacey
Pierre



2419-3

DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

AUG 18 1992

2419A-3

Lawrence F. Spilde
Box 46
Estelline, SD 57234

Dear Mr. Spilde:

Enclosed is Water License No. 2419A-3. This is the final water right document completing your process of obtaining a Water Right. Enclosed is Receipt No. 413365 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. 2419A-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

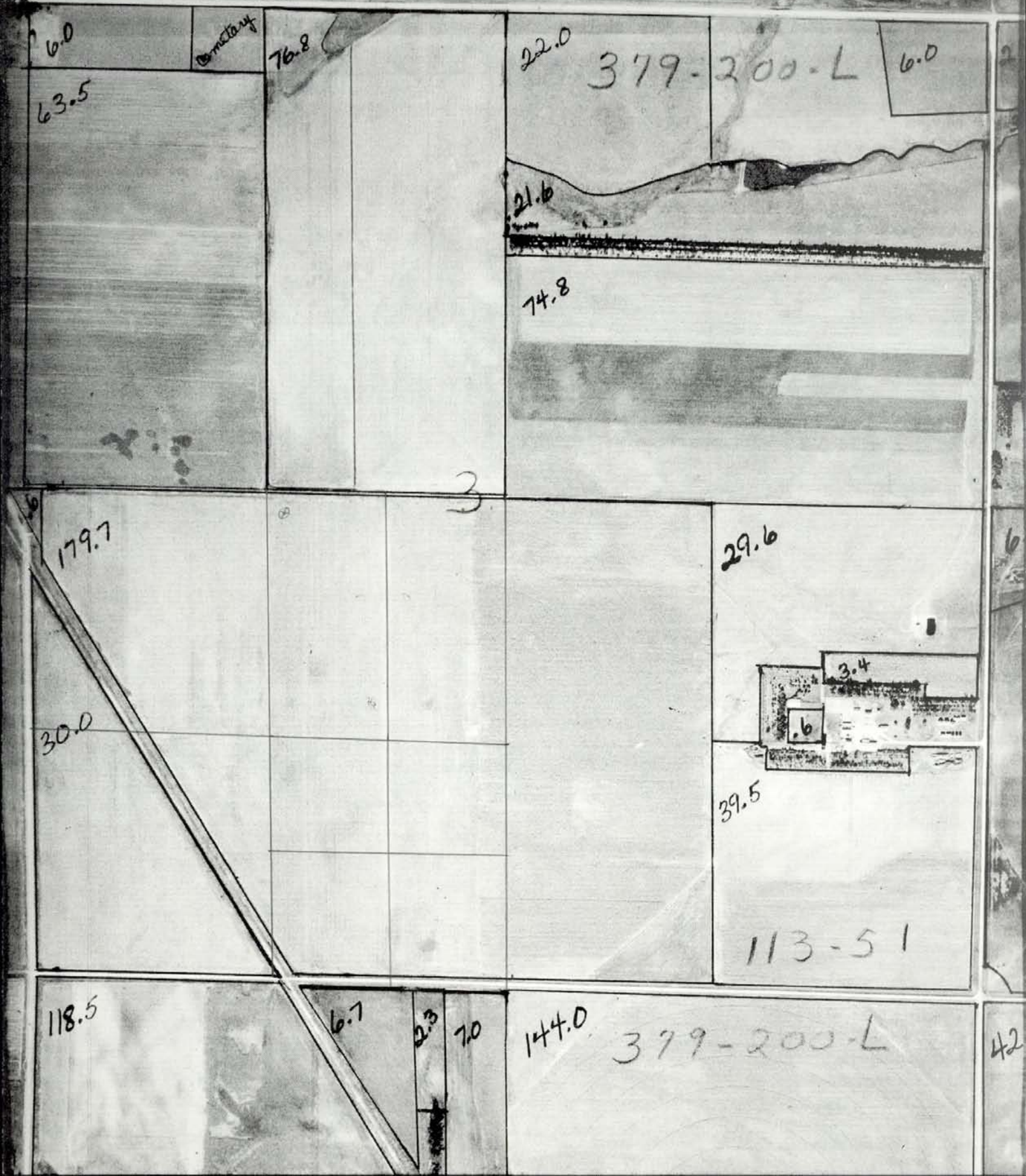
enclosures

NOTE: The applicable portions of Water Permit No. 2419-3 have been incorporated into this Water License No. 2419A-3.

NOT TO SCALE

2419-3
3975-3

700-3



T113N R51W

3

SE $\frac{1}{4}$ NE $\frac{1}{4}$ - 39 AC

Permit # 2419-3

SW $\frac{1}{4}$ NE $\frac{1}{4}$ - 40 AC

Permit # 2419-3

NW $\frac{1}{4}$ SW $\frac{1}{4}$ - 24 AC

Permit # 700-3

Well #2

NE $\frac{1}{4}$ SW $\frac{1}{4}$ - 40 AC

Permit 700-3

NW $\frac{1}{4}$ SE $\frac{1}{4}$ - 40 AC

Permit 700-3

Permit 3975-3
SE $\frac{1}{4}$ SW $\frac{1}{4}$ - 35 AC

SW $\frac{1}{4}$ SE $\frac{1}{4}$ - 39 AC
Permit 700-3

Well #1
SE $\frac{1}{4}$ SE $\frac{1}{4}$ - 38 AC
Permit 700-3

1600' N 45° W

Well #3

1350'

2500'

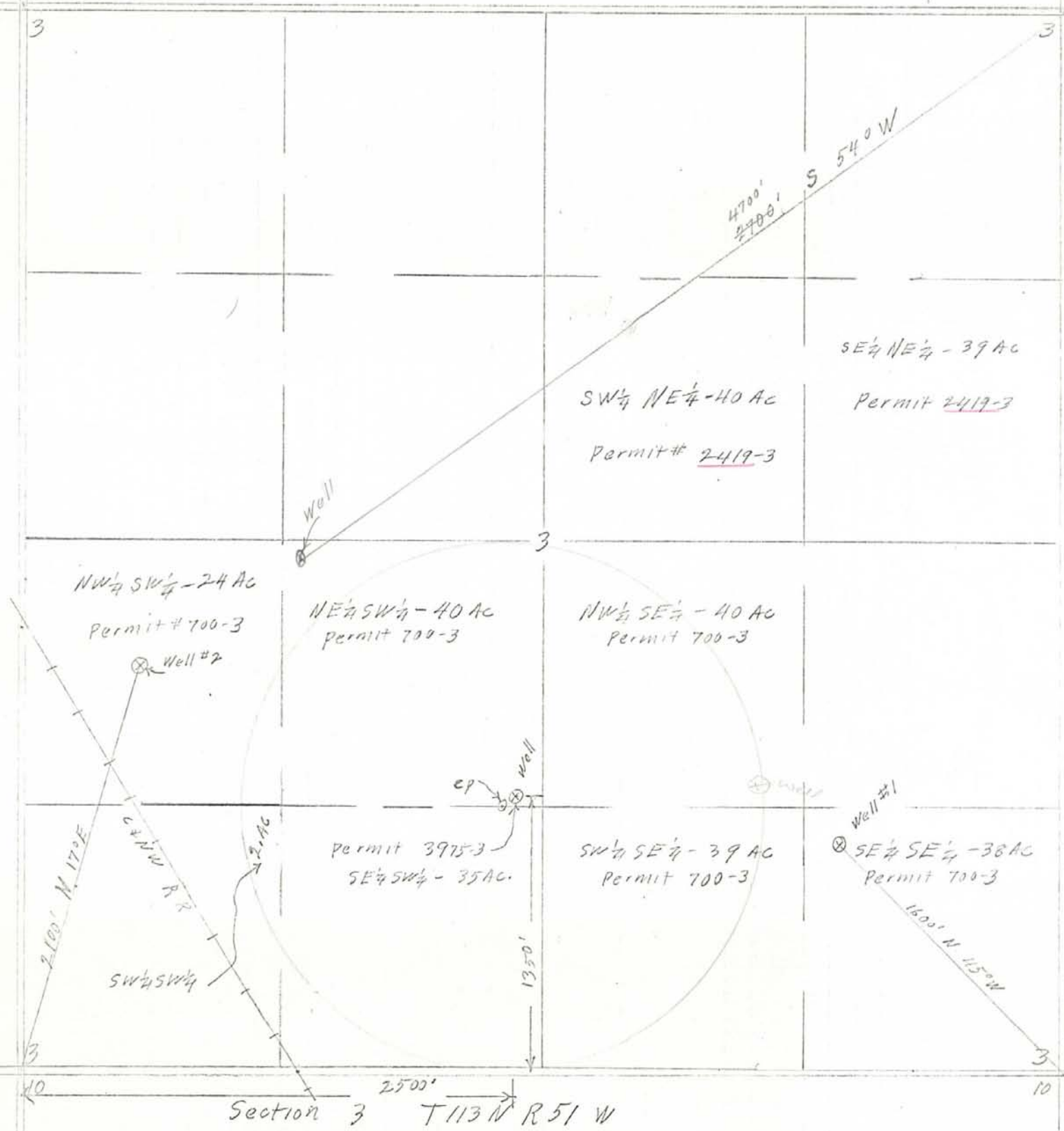
Section 3

T113N R51W

Scale 1" = 660'
6" = 1 mile

Lawrence Spilde
Hamlin County

T113N R51W



Scale 1" = 660'
8" = 1 mile

Lawrence Spilde
Hamlin County

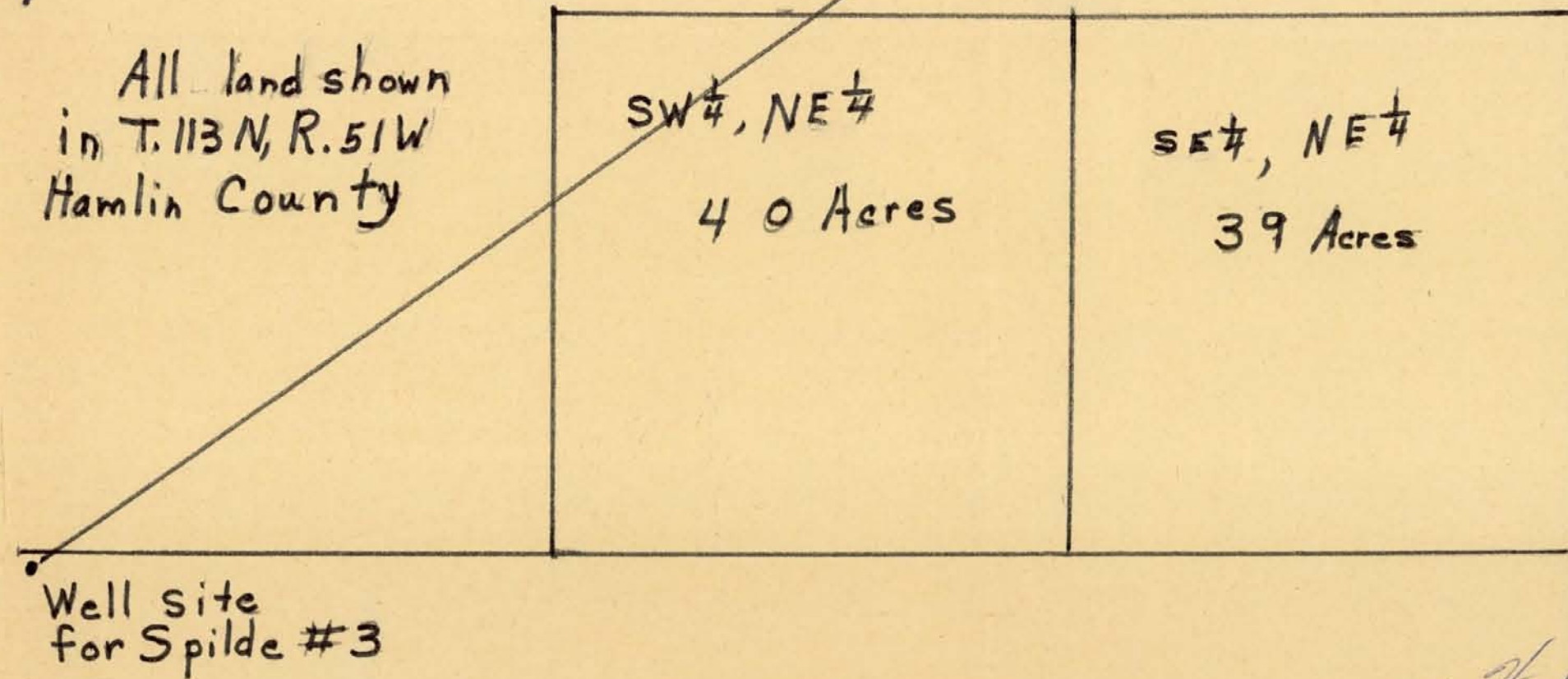
LAWRENCE F. SPILDE IRRIGATION PROJECT No. 3

LOCATION OF LAND TO BE
IRRIGATED

LAWRENCE F. SPILDE... OWNER
ESTELLINE, SO. DAK.
SEC. 3 T. 113N, R. 51W

AREA	ACRES
SW $\frac{1}{4}$, NE $\frac{1}{4}$	40
SE $\frac{1}{4}$, NE $\frac{1}{4}$	39
Total	79

All land shown
in T. 113N, R. 51W
Hamlin County



All land to be irrigated
with portable main line

SCALE: 1" = 400'

Certified correct *Harold C. Campbell*
County Extension Agent

Subscribed and sworn to before me
this 10 day of Oct, 1975
Merlaine Eissel

Notary Public
MERLAINE EISSACH
Notary Public, Hamlin County, S. D.
My Commission Expires June 18, 1980
2419.3