

Water Right Number 2427-3

1. Considered November 12, 19 75
2. Name of Applicant R. Lynn Sanderson
3. Post Office Address Gonde, SD
4. Amount of water claimed 3.5
5. Source of water supply ground water (110' DEEP WELL)
6. Water to be used for irrigation
Acres to be irrigated 255
7. Water to be diverted and used in _____ Day _____ County _____
about 6E, 6N Miles _____ of GONDE
8. Proof of Publication
Received 11-12-75
Not received _____
Approved _____
Subject to _____
Not approved _____
Action deferred _____
9. Application

10. Remarks:

Map No. 1804-3 Water Division No. 3 JAMES RIVER District
(Blanks to be Filled by the Engineer for the W. H. C.)

APPLICATION FOR PERMIT

8:35

To Appropriate Water within the State of South Dakota

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

- Name of Applicant R. Lynn Sanderson
Postoffice address Conde, State S. Dakota
If a corporation show date and place of incorporation _____
- Method of accomplishing work (contract, employment of others, or by direct labor) Direct labor
- Name of diversion work Sanderson #1
- Amount of water claimed (cubic feet per second) 3.5
- Source of water supply ground water
- Location of point of diversion SW 1/4 of 5-120-59

- County Day
- Annual period or periods during which water is to be used April - October
- Use to be made of water, (irrigation, industrial, municipal, commercial, recreation, etc.) Irrigation
- For irrigation use, Total number of acres to be irrigated 255

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.
SW 1/4 5-120-59	255		
N. 1/2 5-120-59	1.27 1/2		
S. 1/2 5-120-59	1.27 1/2		

Attach sheet if more space is needed

- Time required to complete construction of water supply system 5 years. Additional time required to complete application of water to the proposed beneficial use 2 years.
- Choice of newspaper for Notice of Intent to Appropriate Water publication Aberdeen American News
- Principal Features of the Proposed Water Supply System.

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

Bowl pumps

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

Main line

C. Works proposed to apply water to beneficial use.

Center Pivot

Estimated Total Cost \$60,000

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 Day

I, R. Lynn Sanderson 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 R. Lynn Sanderson

Subscribed and sworn to before me this 15th day of Oct 1925

W. H. C.
Notary Public (or other qualified officer)

WATER RIGHT APPLICATION APPROVAL

The Water Rights Commission hereby approves Water Right Application No. 2427-3

R. LYNN GANDERSON
(Applicant)

CONDE
(Post Office Address)

SOUTH DAKOTA 57434 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.

*See also
4371-3*

Date of first receipt of application OCTOBER 30, 1975

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

Date of receipt of corrected application _____, 19____

Approved NOVEMBER 13, 1975, Recorded in Book 14 Page 154

WATER RIGHT PERMIT NO. 2427-3

The Water Rights Commission hereby grants and issues this Water Right Permit No. 2427-3 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 30, 1975
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before MAY 13, 1976
3. The whole of said work is to be completed on or before NOVEMBER 13, 1976
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is NOVEMBER 13, 1978
5. The water appropriated shall be used for the purpose of IRRIGATION

EXTENSION GRANTED 1-31-79

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 3.5 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, 1978; said water to be used during the following described annual period: APRIL - OCTOBER

Witness my hand this 21ST day of NOVEMBER, 1975

WATER RIGHTS COMMISSION

By: John H. Hatch
Chief Engineer, Executive Officer

Certificate of Construction Issued _____, 19____

Water License Issued _____, 19____

PAGE NO.

Lloyd Peterson
FOREMAN

Jt No.	DEPTH	TIME	REMARKS
1	20		Yellow Sand & Gravel mixed with Yellow Clay
2	35		10-20 Sand Yellow
3	50		20-35 Real Fine Yellow Sand
4	65		35-50 Real Fine Yellow Sand
5	80		50-65 Grayish Sand
6	95		65-80 Grayish Sand
7	97		80-95 Whitish Coarse Sand
			95-110 Whitish Coarse Sand
			110 Shale
			60 ft. Slotted PVC 4"
			37 ft. Blank PVC 4"
			Pumped 50 G.P.M.
			Waterhead 33 ft.
			2500# Concrete Sand
			1 Used Drag Bit
			1 Used 7 7/8 Rock Bit
			2 days Drilling Time

Form 2A - Wells, Dugouts or Water Storage Dams (Supplement to form 2)

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

D. Well Information or Estimates

- (1) Drill Hole, Diameter _____, Depth _____
- (2) Casing, Type _____ Diameter _____ Thickness _____
(wood, concrete, steel, etc)
- (3) Perforated Screen.
Type _____, Diameter _____, Length _____
- (4) Gravel Pack. Thickness _____, Length of gravel pack _____

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 _____

Depth to top of water bearing material _____

Depth to bottom of water bearing material _____

Thickness of water bearing material _____

Depth to water (ground surface to water level) _____

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

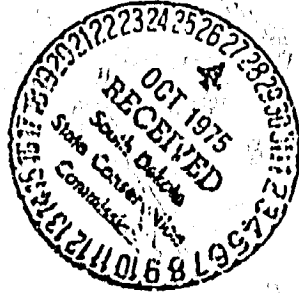
On same owner's property 150 rds. On property owned by others 180 rds.

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.

R. Thompson
Signature of Applicant

October 24, 1975



Mr. R. Lynn Sanderson
Conde, SD 57434

Dear Mr. Sanderson:

Enclosed please find the original copy of the report of analysis for the water sample submitted here recently. Also you will find enclosed a copy of extension circular 654 with the approximate quality of this sample (75-996) indicated on the outside back cover in the quality diagram by the red cross. This shows that this water is moderately high in salinity but low in sodium as a proportion of all cations. Therefore, there should be no hazard with this water causing sodium-induced soil dispersion or loss of aggregates developing, but there might be times when there would be a little salt accumulation on or near the surface of the soil after using this water. If this salt accumulation in the surface progresses to the point of interfering with crop performance, please contact the extension service or someone in water resources for instructions on management or leaching procedures to reduce salinity in the soil profile.

A copy of this letter, and of the water analysis, and the WI-1 form with the rest of the application materials, 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. Zahl

Denver Parks, County Extension Agent

Conservation
Commission
Form WI #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

Irrigation System: _____

Water Quality: _____

Soils Capability: _____

Approved: [Signature]

Disapproved: _____

NAME: R. Lynn Sanderson

ADDRESS: Conde, S. Dakota 57434

COUNTY: Day

LEGAL DESCRIPTION

1. WELL LOCATION: W. 1/2, S. 120-59

2. AREA TO BE IRRIGATED: 255

TYPE OF IRRIGATION

3. GRAVITY _____ SPRINKLER (Indicate Type): Piv. T

4. CROPS TO BE IRRIGATED: Corn, alfalfa, small grain

LAND CAPABILITY FOR IRRIGATION

5. PERCENTAGE OF SLOPE: Attached sheet

6. PHYSICAL SOILS CLASSIFICATION FOR IRRIGATION: _____

WATER QUALITY (To Be Completed by Commission)

7. SAMPLE NO: 75-996

8. SALINITY: EC = 842 μ mhos/cm (med-high)

9. SODIUM: SAR = 0.95 (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 Scientist (SCS)

and:

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

L. Lynn Sanderson

Subscribed and sworn before me this

15TH day of Oct. 1975

Ed M. Ward

Notary Public

(Title)



INTERPRETIVE
GROUPING

LAND USES AND SOILS INFORMATION ON YOUR OPERATING UNIT

Lynn Sanderson

IIs₃

Deep loamy, well drained soils with 20 to 40 inches of loamy material over sand and gravel on nearly level (0-2%) upland slopes. Sandy and gravelly subsoils and substrata limit water storage capacity and rooting depths.

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

Submitted by: R. Lynn Sanderson
Address: Conde, SD 57434
Co: Huron Drilling, Inc.
P.O. Box 1422
Huron, SD 57350

Date Rec'd October 17, 1975
Sample No. 75-996
Identification Well-
W1, Sec. 5, T 120N, R 59W

WATER ANALYSIS

Calcium (Ca)	84	ppm*	4.20	me/l**
Magnesium (Mg)	40	ppm	3.28	me/l
Sodium (Na)	42	ppm	1.83	me/l
Potassium (K)	6	ppm	0.17	me/l
Sulfate (SO ₄)	145	ppm	3.01	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	6	ppm	0.17	me/l
Bicarbonate (HCO ₃)	346	ppm	5.68	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)	284	ppm (as CaCO ₃)		
Alkalinity (Penolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	842	micromhos per cm. at 25° C.		
Sodium Adsorption Ratio	0.95			
Sodium	19.30	% of cations		
Residual sodium carbonate	0.00	me/l		
pH	7.80			
Others:				

*ppm=parts per million

**me/l=milliequivalents per liter

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

COMMENTS: Total cations 9.48 me/l
Total anions 8.36 me/l

By: Shirley Mittan

Service Performed	Amount Due
Irrigation analysis	\$6.00 PAID

Make checks payable to: Water Quality Laboratory

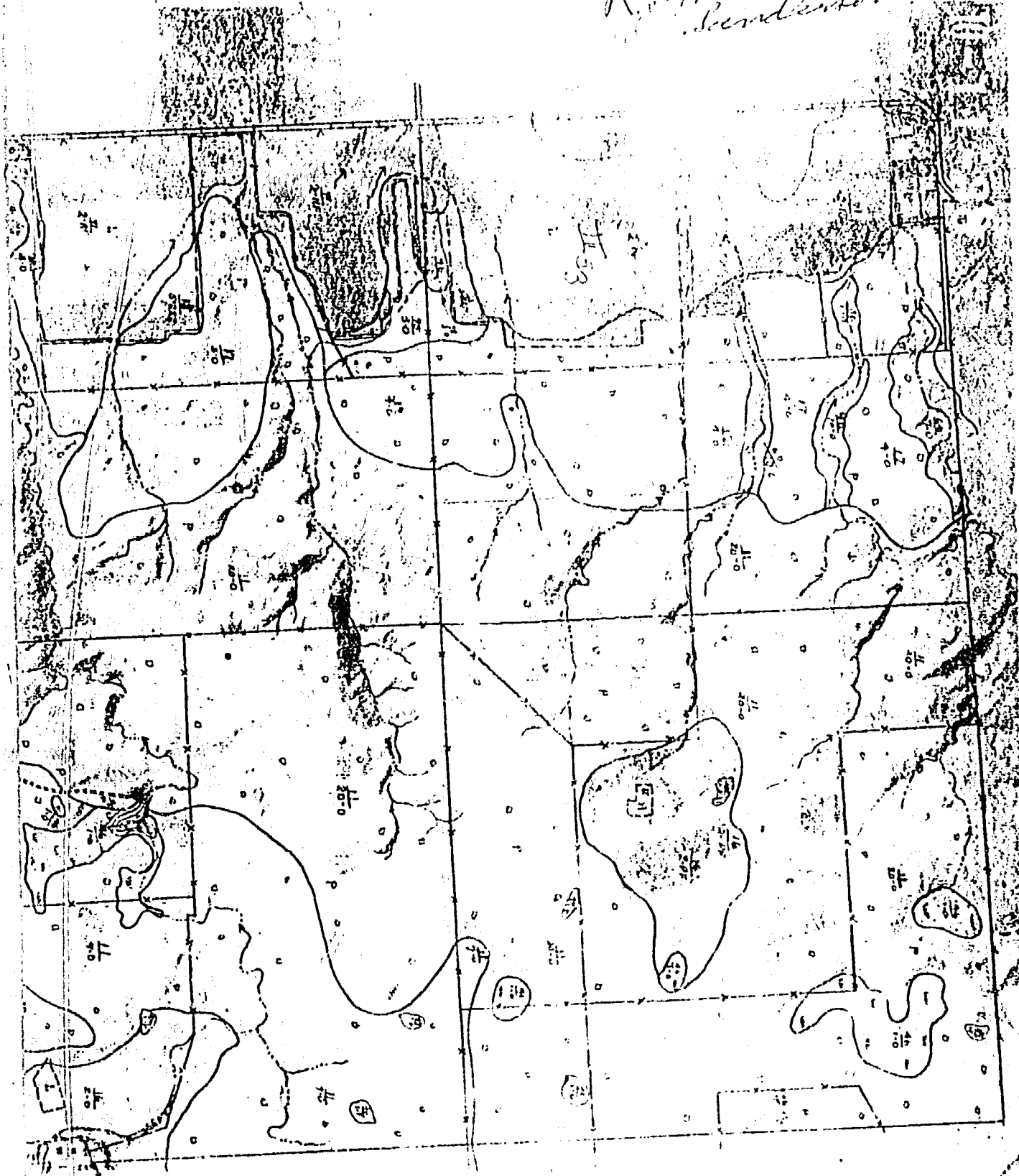
Cut along dotted line and return the lower portion with payment

Sample No. 75-996

Amount Enclosed \$

Signed

R. J. Benson



Calculated
5/7
8/9

Form 6 - Notice of Intent to Appropriate Water

J. 2427-3

Publish first publication, on or before November 3, 19 75

NOTICE
INTENT TO APPROPRIATE WATER

Pierre, South Dakota 57501

October 30, 19 75

Notice is hereby given that R. Lynn Sanderson

whose post office address is Conde, South Dakota, has made an application in accordance with the provisions of the water law of South Dakota for a permit to appropriate for beneficial use

3.5 cubic feet of water per second of time from the ground water through the

Sandersen #1, the point of diversion of which is to be located in the _____

S4 S4 SW4

of Section 5, Twp. 120N, Range 59W. Said water to be used for the purpose of providing irrigation on the following described land:

W4, Section 5, T120N, R59W

This application No. 2427-34 will be considered by the Water Rights Commission at their office at Pierre upon the 12th day of November, 19 75, 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:

R. Lynn Sanderson, Conde, S.D 57434

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

No. 2427-3

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Brown) ss.

I, Linda Buzalsky hereby
certify that the annexed printed copy of Notice of Intent to Appropriate
Water was taken from the Aberdeen American News

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 Aberdeen

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

November 03, 1975

November 10, 1975

Linda Buzalsky
(Signature)

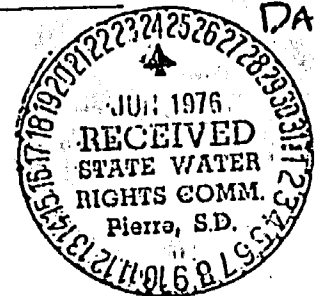
Legal Publications Principal Clerk
(Title)

November 10, 1975
(Date Signed)

(No. 780 - Nov. 3 1975 - 21)
NOTICE
INTENT TO APPROPRIATE WATER
Notice is hereby given that R. Lynn
Sanderson whose post office address is
Conde, 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 3.5 cubic feet of water per
second of time from the ground water
through the Sanderson No. 1, the point of
diversion of which is to be located in the
5 1/2 S 1/2 of Section 5, Twp. 130N,
Range 25W. Said water to be used for the
purpose of providing irrigation on a
portion of the following described land:
W1/2, Section 5, T130N, R35W.
This application No. 2427-3 will be
considered by the Water Rights Com-
mission 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.
By: Burdick F. Jones, Water Rights
Specialist, Water Rights Commission

Form 10.

No. 7-427-3



NOTICE OF COMPLETION OF WORKS AND/OR APPLICATION OF WATER TO BENEFICIAL USE
DEPARTMENT OF NATURAL RESOURCE DEVELOPMENT

DIVISION OF WATER RIGHTS

JOE FOSS BUILDING

PIERRE, SOUTH DAKOTA 57501

Post Office Conde So. Dak.

Date June 8 1976

TO: Water Resources Commission
State Office Building No. 2
Pierre, South Dakota 57501

Dear Sirs:

This is to inform you that I have completed the construction of the water diversion system and/or that I have put the water to beneficial use to the maximum extent it is going to be used, not exceeding the amounts as specified in Water Right Permit No. 2427-3

Nov 13 Water Right Permit No. 2427-3 states that the diversion system is to be constructed by Oct 15, 1976, 19 76 and that the water is to be put to beneficial use by Nov 13, 1976, 19 77.

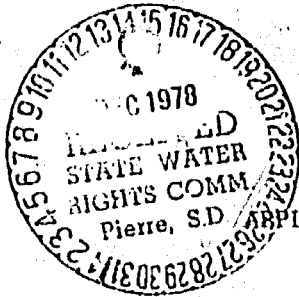
The diversion system was completed on June 1, 19 76. Applying the water to beneficial use was completed on June 1, 19 76.

You may schedule an inspection so that the Certificate of Construction and/or the Water License may be issued, thus completing my acquisition of a water right.

L. Lynn Anderson
(Signature)

Form 18.

No. 2427-3



APPLICATION FOR EXTENSION OF TIME

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

Date Dec. 2, 1978

Dear Sirs:

In Water Right Permit No. 2427-3 it is specified that the water diversion system is to be completed by November 13, 1976 and that the water is to be put to the limit of beneficial use by November 13, 1978.

I hereby request that the date for completing the diversion system be extended to November 13, 1980 and that the date for putting the water to the limit of beneficial use be extended to November 13, 1982.

The extension of time for the completion of these works is requested for the following reasons: The permit allowed only one year to complete. Due to well problems, I am unable to complete the construction in the allotted time.

Enclosed herewith is a fee of Two Dollars and Fifty Cents (\$2.50) to pay the cost of filing this request for extension of time.

R. Lynn Anderson
(Signed)

2427-3
Permit Number

APPROVED: Jan 31, 1979
WATER RIGHTS COMMISSION

BY:

RECEIPT

WATER RIGHTS COMMISSION

State of South Dakota

No 4 6611

PIERRE, December 14, 1978

RECEIVED OF R. Lynn Sanderson, RFD, Conde, SD 57434

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 filing extension of time for water right No. 2427-3	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 Hatton*
Chief Engineer, Executive Officer
JOHN HATTON 97

2421-3 From L. Basin

8-8-78 Well #1 Depth 105' - 58' static

Pumping - 200 to 250 - Submersible, 7 1/2 HP

Original was Artesian Pool but cut back

from 500 down to pump 200. Dedson Pond.

Be. Poly. with J. wellie motor

Well #2 140' deep - static 45 ft

Pumping 150 to 175 5 HP Elec.

Submersible, Be. Poly. with J. wellie

Well #3 60 ft deep - 20 ft

Pumping 120 gpm J. wellie

5 HP Submersible

Well #4 Test hole May pump 30 gpm

40 ft ft deep - 12 ft static water. May not

be water.

Well #5 Depth 35 ft. Static 5 ft

Pumping 80 gpm. Be. Poly.

1 1/2 HP Submersible

CP 410 ^{Part # 5343} ~~Jeannette~~ Coover
113 acres

→ Well # 3 is 50' 31" of H. H. in No. 5

Boiler - Pump for CP = Denty Diesel
4 cyl. 52 HP - Engine

Pump = Berley, Model B 378501-CW
Ser # 7739805, Imp Dia 13 1/2"

No. 4371-3

South Dakota
Department of
Water & Natural Resources

Joe Foss Building Water Rights Division
Pierre, South Dakota 57501

(605) 773-3352

January 10, 1983

R Lynn Sanderson
Rt 2, Box 36
Conde SD 57434

Dear Mr. Sanderson:

Enclosed herewith are, Water License No. 4371-3 and Certificate of Construction.

Water License No. 4371-3 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
JOHN HATCH, Chief Engineer
Water Rights Division

JH:ks

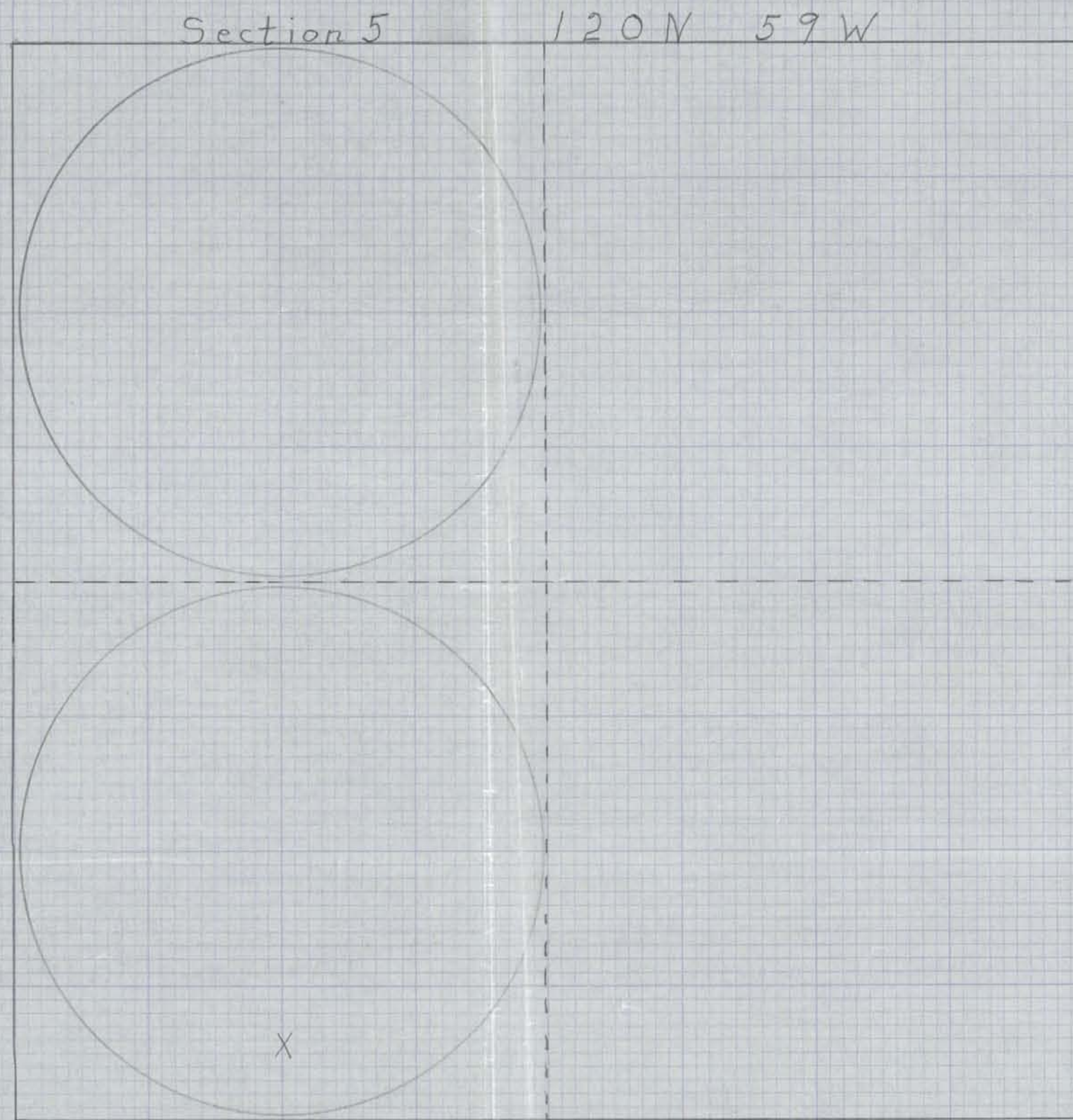
enclosures

NOTE: The applicable portions of permit No. 2427-3 have been incorporated into this Water License No. 4371-3.

WNR-817-7/79
Transmittal of Water License

Prepared by Dick Fadden, Beadle Co. Extension Agent
Dick Fadden

Sanderson Unit No. 1



Radars 1252 = 113 ac
1176 = 93 ac

4.6

2-64B

91.0

Well F-4
152' 54' 4.00' East
of F-4

5.

51.9

83.4

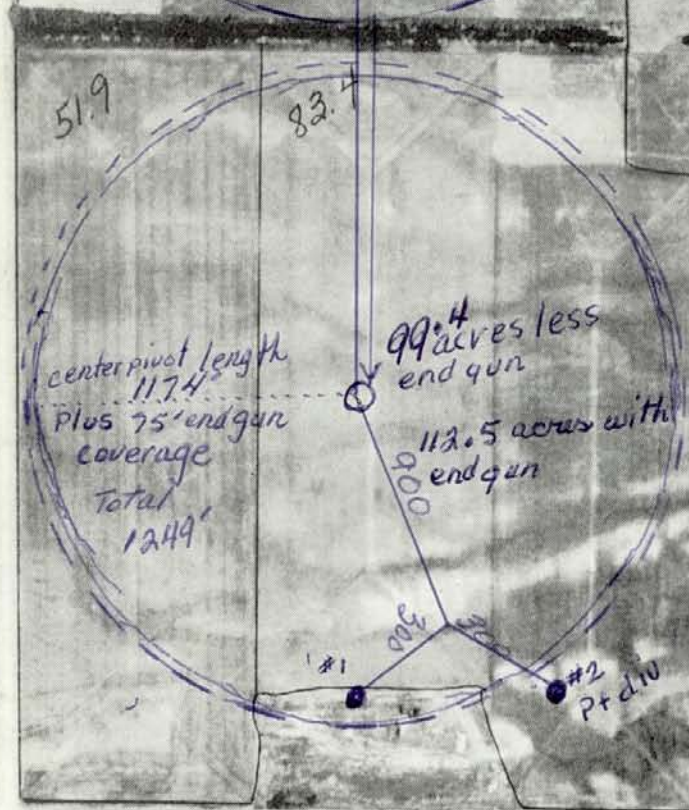
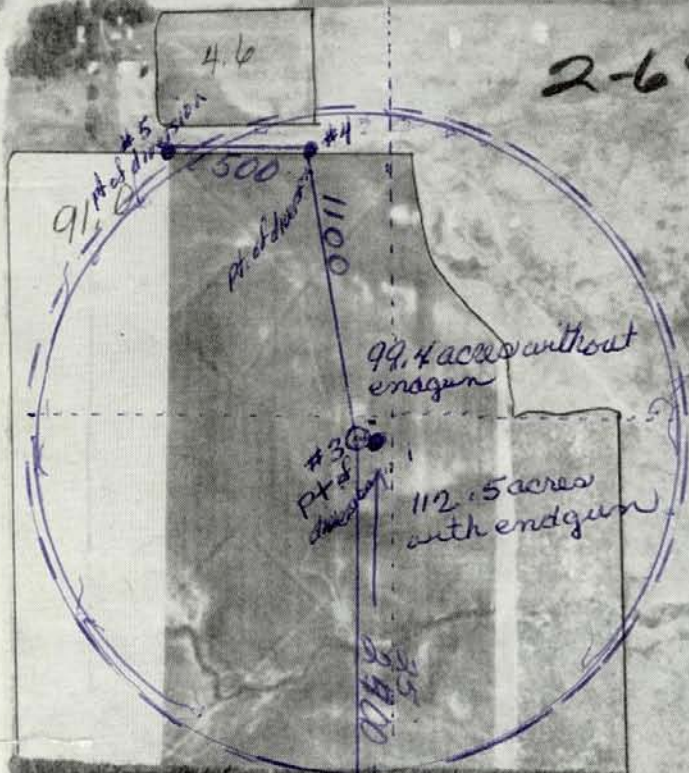
120-59

2-64B

61.5

250'

Clement V Kednwald
Dist. Cons. S.S. C.S.



120-59

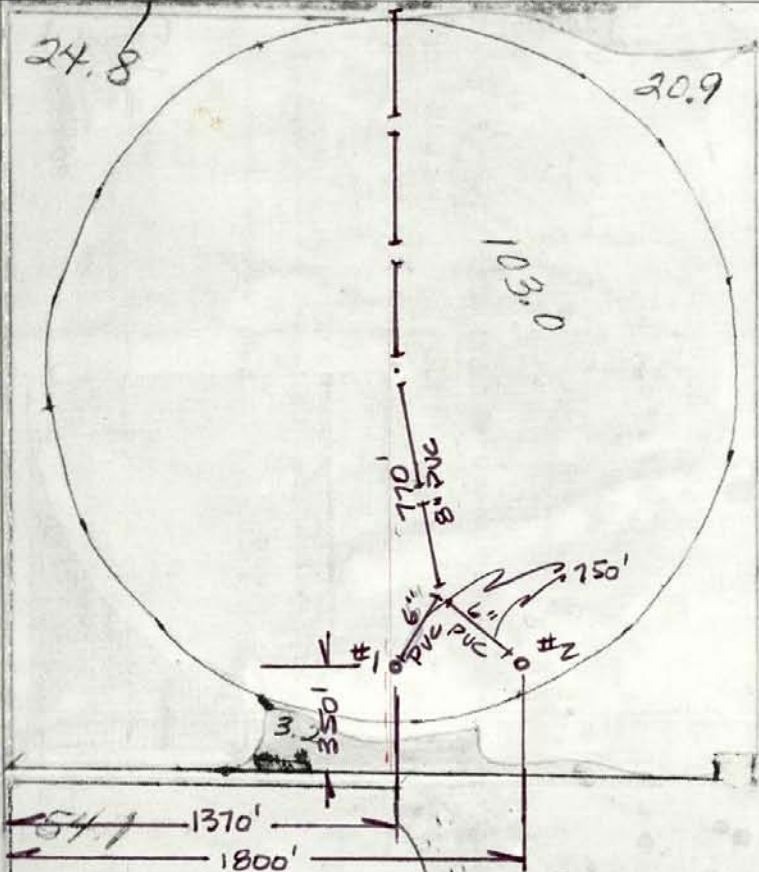
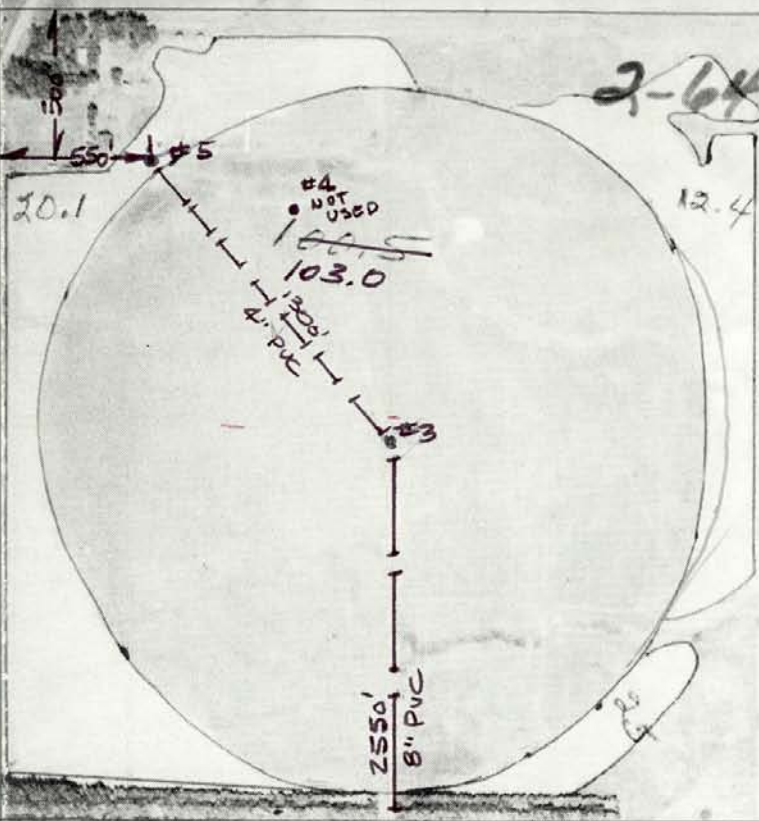
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4371-3
MAP # 1504-3 APPL. 2427-3

NOT TO SCALE

2427
4371

2-64B



120-59