

Jensen R  
10160010

Water Right No. 4569-3

1. Considered 1-28 19 81
2. Name of Applicant GARY ALTHOFF
3. Post Office Address RR #11, WAUBAY, SD
4. Amount of Water Claimed 2.2
5. Source of Water Supply 46' WELL
6. Water to be used for IRR
7. Acres to be irrigated 160 maximum  
acre feet
8. Water to be diverted and used in ROBERTS County  
about 6 miles NORTH of ORTLEY
9. PROOF OF PUBLICATION Received ☒ 12-22-80  
Not Received \_\_\_\_\_
- APPLICATION Approved 1/29/81  
Subject to WI-10  
Not Approved \_\_\_\_\_  
Action deferred \_\_\_\_\_

Priority  
11-24-80

Date Received 8-26-80 Application Complete yes no FEE 250<sup>00</sup>

Remarks 9/26/80 notified needed fee of 250<sup>00</sup> & WI-1 approval

fee submitted 10-23-80

Request old Permit 2839-3 be cancelled

Date information and/or  
fee or corrected Application received 10-23-80

Period of Annual use APRIL THRU OCTOBER

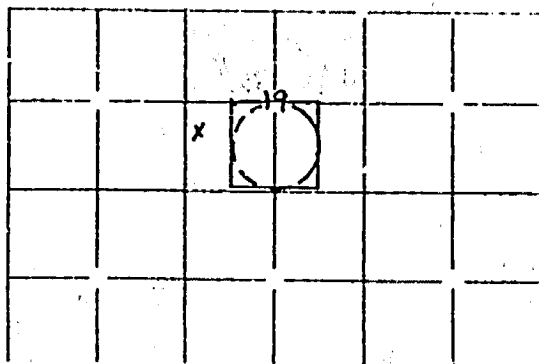
WATER  
QUALITY

Received yes 1/24/80 no APPROVED / CONDITIONAL (Circle one)

WI- Description same as application yes no Remarks \_\_\_\_\_

Disapproved \_\_\_\_\_

Returned \_\_\_\_\_



Diversion Point  
NW<sup>4</sup> SW<sup>4</sup> SEC. 19-T123N-  
R52W

Lands to be irrigated  
E<sup>1</sup>/<sub>2</sub> SW<sup>4</sup> & W<sup>1</sup>/<sub>2</sub> SE<sup>4</sup>  
SEC. 19-T123N-R52W

WELL  
LOG

Remarks \_\_\_\_\_

Driller Kaiser Licensed ☒ yes no

Depth 46'

MAP

Map No. 3788-3 Map located In Water Right X Map file \_\_\_\_\_

Type of Map Aerial Prepared by PE - John Williams

REVIEWED

+++++ This Application was reviewed within 30 days of date received, accepted as complete, Number assigned and written up for advertisement before the Board on 1-28-81

[Signature]  
(Signed)

PROTESTS

Letters/Petitions In File - yes \_\_\_\_\_ no \_\_\_\_\_ Remarks \_\_\_\_\_

REMARKS

F.F. & C  
OF LAW,  
FINAL  
DECISIONS  
ETC.

Date \_\_\_\_\_  
Final Decision, Including F.F. & C of Law were adopted \_\_\_\_\_  
Date \_\_\_\_\_  
Final Decision mailed to parties and/or parties notified that Final Decision was adopted \_\_\_\_\_

Remarks: \_\_\_\_\_

No. 4569.3Map No. 3788.3Water Division No. 3JAMES RIVER

District

(Blank to be Filled by the Engineer for the W. R. C.)

10160010

## APPLICATION FOR PERMIT

New application  
telephone 605-947-4627

To Appropriate Water within the State of South Dakota

(NOTE - Draw a line through items not applicable)

1. Name of Applicant Gary Althoff  
Postoffice address Wahkiakum, State South Dakota  
If a corporation show date and place of incorporation N.A.
2. Method of accomplishing work (contract, employment of others, or by direct labor) Contract & Direct Labor
3. Name of diversion work Gary Althoff Irrigation Project #1
4. Amount of water claimed (cubic feet per second) 2.2
5. Source of water supply well
6. Location of point of diversion 1800' N 60° E 1/4 Sec 19-123-52
- County Robert
7. Annual period or periods during which water is to be used April 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 140

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>NE 1/4 Sec 19-123-52</u> | <u>40</u>      |                  |                |
| <u>N 1/2 Sec 19-123-52</u>  | <u>40</u>      |                  |                |
| <u>SE 1/4 Sec 19-123-52</u> | <u>40</u>      |                  |                |
| <u>SW 1/4 Sec 19-123-52</u> | <u>40</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 Sisseton Review
12. Principal Feature of the Proposed Water Supply System.

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

well with deep well turbine

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

closed conduit - buried

C. Works proposed to apply water to beneficial use.

center pivot irrigation machineEstimated Total Cost \$60,000Attachments: 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 BrookingsI, Gary Althoff, 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

Gary AlthoffSubscribed and sworn to before me this 20 day of Aug, 1990

Notary Public (or other qualified officer)

# WATER RIGHT APPLICATION APPROVAL

The Water Rights Commission hereby approves Water Right Application No. 4569-3  
Gary Althoff R.R. #1, Waubay  
 (Applicant) (Post Office Address)  
South Dakota 5727 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 permit is approved subject to the irrigation water use questionnaire being submitted each year.

Date of first receipt of application AUGUST 26 1980  
 Date of return to applicant for correction, amendments or changes required AUGUST 26 1980  
 Date of receipt of corrected application WQ NOVEMBER 24 1980  
 Approved JANUARY 29 1981 Recorded in Book 22 Page 32

## WATER RIGHT PERMIT NO. 4569-3

The Water Rights Commission hereby grants and issues this Water Right Permit No. 4569-3, 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 NOVEMBER 24 1980
2. The equivalent of at least one fifth of the work above specified is to be completed on or before JULY 29 1983
3. The whole of said work is to be completed on or before JANUARY 29 1986
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is JANUARY 29 1989
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 2.2 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 2 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 29 1989; said water to be used during the following described annual period: APRIL THRU OCTOBER

Witness my hand this 13<sup>th</sup> day of MARCH 1981

WATER RIGHTS COMMISSION

By:

John H. Hahn  
 Chief Engineer, Executive Officer

Certificate of Construction Issued \_\_\_\_\_ 19 \_\_\_\_\_

Water License Issued \_\_\_\_\_ 19 \_\_\_\_\_

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 18", Depth 46'
- (2) Casing, Type Steel (wood, concrete, steel, etc) Diameter 14" Thickness 3/4"
- (3) Perforated Screen.  
Type Continuous Slot, Diameter 14", Length 10'
- (4) Gravel Pack, Thickness 3", 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 See Log

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Depth to top of water bearing material 25'

Depth to bottom of water bearing material 46'

Thickness of water bearing material 26'

Depth to water (ground surface to water level) 20'

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

On same owner's property 50 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.

Gary Althoff  
Signature of Applicant

**IRRIGATION-TESTING-DRILLED-STOCK AND DOMESTIC  
BORED WELLS** Ph. 854-3744

Section 100-100000 by 1

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## Data

[illegible][illegible]

SOIL/WATER COMPATIBILITY APPLICATION FORM  
STATE CONSERVATION COMMISSION  
SOUTH DAKOTA DEPARTMENT OF AGRICULTURE

OWNERS NAME: Gary Althoff OWNERS ADDRESS: Waukey, SD  
COUNTY LAND LOCATED IN: Roberts PHONE: 605-747-4627  
TENANT'S NAME AND ADDRESS: (If Other Than Owner) 2614 RB

In accordance with State Law SDCL 46-5-6.5, if a water right is granted with a conditional permit (Soil/Water Compatibility), a copy of such conditional permit must be filed with the County Register of Deeds.

This action must be taken by the holder of a water right within 6 months of receipt of such water right.

LEGAL DESCRIPTION: (Show Legal Description to Nearest 10 Acres.)

1. WELL LOCATION OR DIVERSION POINT: Sec 4 of Twp 48 N of Sec 10 of R 12 E - 123-5-2
2. SURFACE WATER SOURCE: W 11
3. LOCATION OF AREA TO BE IRRIGATED: W 1/2 of Sec 4 of Twp 48 N of Sec 10 of R 12 E - 123-5-2
4. INDICATE NON-IRRIGATED AREAS AND (APPROX.) ACRES ON MAP: (Farmstead, shelterbelts, wetlands, etc.)
5. TYPE OF IRRIGATION: (Show approximate acres under each type of system)
  - a. GRAVITY \_\_\_\_\_ TOWLINE \_\_\_\_\_ CENTER PIVOT 1 GUN \_\_\_\_\_ OTHER (Specify) \_\_\_\_\_
  - b. CROPS TO BE IRRIGATED corn & alfalfa
  - c. SHOW ANY PORTION OF LAND THAT PRESENTLY HOLDS AN IRRIGATION PERMIT: YEAR OBTAINED: \_\_\_\_\_ LAND: \_\_\_\_\_ IN WHAT NAME: \_\_\_\_\_

WATER QUALITY: (TO BE COMPLETED BY SDSU WATER QUALITY LABORATORY)

1. SAMPLE NUMBER: 80-913
2. SALINITY (EC X 10<sup>6</sup>) 494
3. SODIUM (SAR) 0.20 ADJUSTED (SAR) 0.45

RECEIVED

NOV 13 1980

South Dakota  
Division of Conservation

I hereby certify that I personally obtained or that I personally observed the taking of a sample of the water to be used in irrigating the above-described land. I also hereby certify that the required procedures for the taking of the sample (see back) were followed, and that the sample was taken at 6:00 AM/P.M., on Aug 12, 1980, at the following location: on well 11

by Keith T. Harner (Individual who took sample if other than applicant). I also hereby certify that the water sample taken has NOT been adulterated or tampered with in any manner, and is TRULY REPRESENTATIVE of the water which will be used in irrigating the above-described land.

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

I understand that the Division of Conservation or agents thereof may obtain another water sample for the purpose of validating the water sample analysis taken at the time of application (SDCL 46-5-6.4).

SUBSCRIBED AND SWORN BEFORE ME THIS  
20 DAY OF August, 1980.

(NOTARY PUBLIC)



Gary Althoff  
APPLICANT'S SIGNATURE

Keith T. Harner  
Director, Division of Conservation

☒ APPROVED

☐ DISAPPROVED

☐ CONDITIONALLY APPROVED

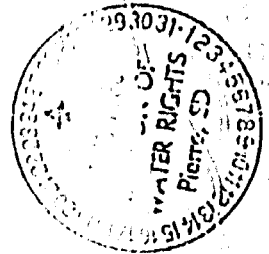
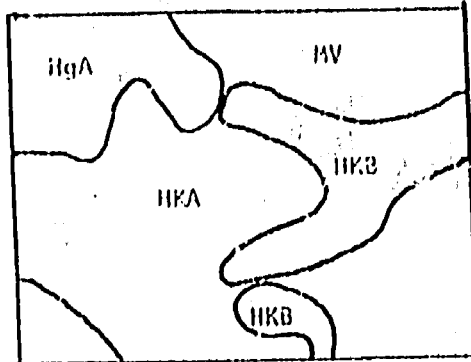
IMPORTANT

Action by the Department of Agriculture or the State Conservation Commission is not the final action on any application.

In all cases a WATER RIGHT must be obtained from the State Water Right Commission.

# SOILS INFORMATION

## EXAMPLE



- HgA - Highmore - DeGrey silt loams - 0-2% slopes  
DeGrey soils have a shallow clay-pan and have slow to very slow permeability generally not suitable for irrigation.
- HKA - Highmore - Eakin silt loams - 0-2% slopes  
Soils have a high available water capacity and moderate permeability.
- HKB - Highmore - Eakin silt loams - 2-5% slopes  
Same physical composition as HKA - moderate erosion problems.
- Mv - Major fine sandy loam - 0-2% slopes  
Moderately rapid permeability, moderate or high available water capacity.

Residents of counties with published or up-to-date soil surveys shall contact their local Conservation District for a copy of the soils map for the area to be irrigated and the narrative explanation of the map.

Residents of counties with no up-to-date soil survey information shall contact the Soil Conservation Service or their local Conservation District to obtain the best information available. If soil survey information is not available, the applicant is requested to obtain this information from a private consultant or professional soil classifier.

NOTE: If at all possible, provide information concerning subsoil physical conditions.

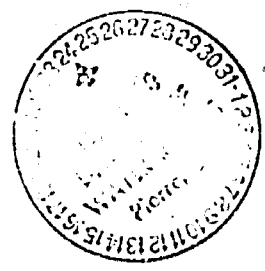
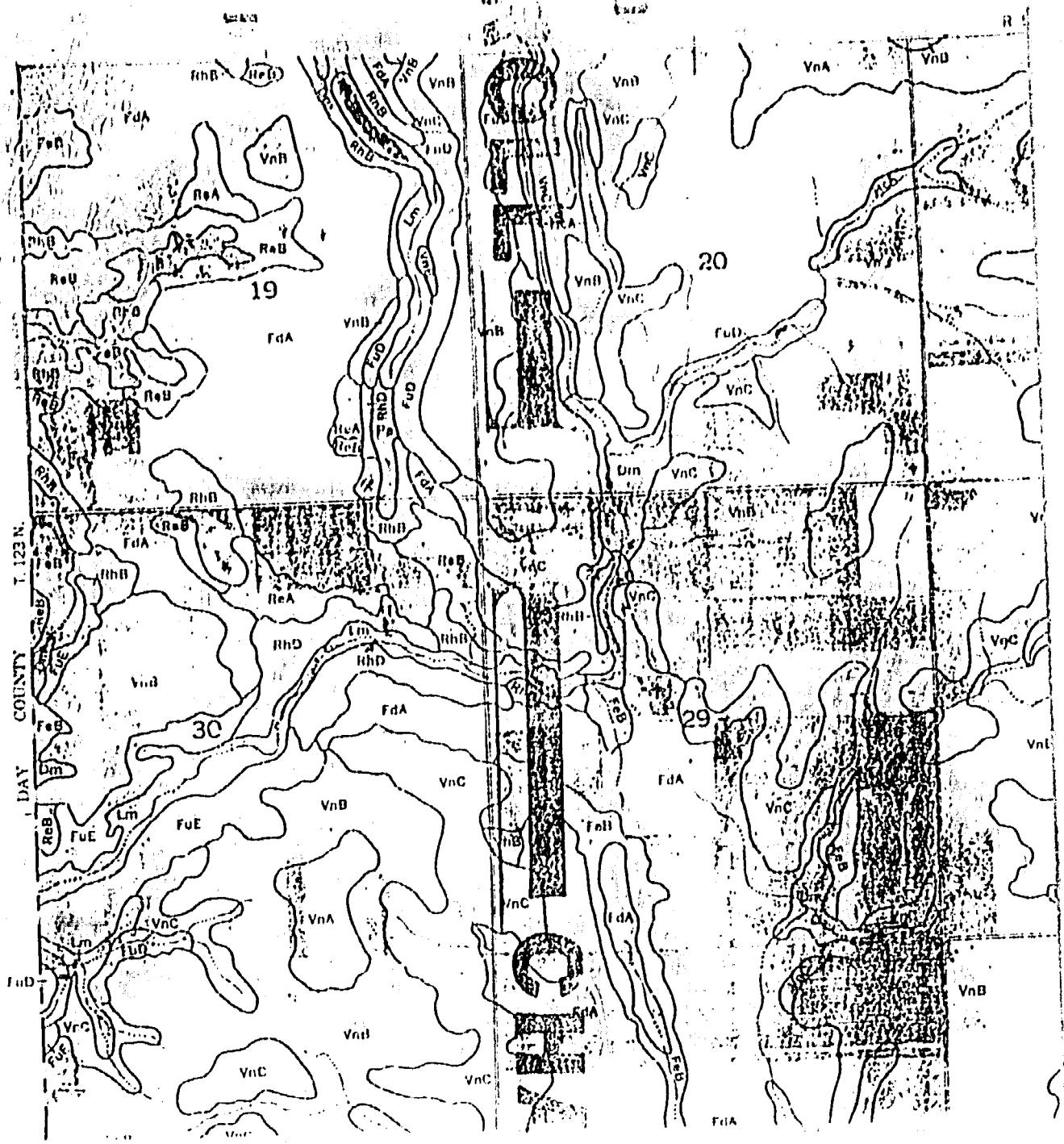
### MAP

PLEASE READ LEGAL DESCRIPTION #1 THROUGH #4 ON FRONT SHEET BEFORE COMPLETING THIS SECTION.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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| <p>FCB-27<br/>PhB</p> <p>FB - Ford 2, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100</p> <p>14 - Ford 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100</p> <p>13 - Ford 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100</p> <p>12 - Ford 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100</p> <p>11 - Ford 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100</p> <p>10 - Ford 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100</p> <p>9 - Ford 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100</p> <p>8 - Ford 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100</p> <p>7 - Ford 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100</p> <p>6 - Ford 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100</p> <p>5 - Ford 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100</p> <p>4 - Ford 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100</p> <p>3 - Ford 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100</p> <p>2 - Ford 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100</p> <p>1 - Ford 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100</p> | <p>FAA</p> <p>123-5678</p> <p>NOV 03 1980</p> <p>South Dakota Division of Conservation</p> |
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Please use back of this sheet for narrative or attach separate sheet

PLEASE USE BACK OF THIS SHEET FOR NARRATIVE OR ATTACH SEPARATE SHEET



**REPORT OF ANALYSIS**  
 Water Quality Laboratory  
 Water Resources Research Institute  
 South Dakota State University  
 Brookings, South Dakota 57007

Submitted by: Gary Allport  
 Address: Rt. 1, Box 344  
 Aubrey, SD 57223

Date Rec'd: October 9, 1980  
 Sample No.: 0-913  
 Identification: 011-461  
 , Dec. 19, 1981, 52

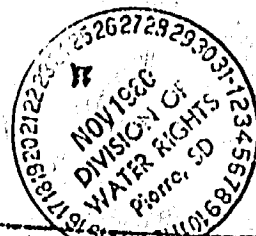
**WATER ANALYSIS**

|                                       |      |                             |      |           |
|---------------------------------------|------|-----------------------------|------|-----------|
| Calcium (Ca)                          | 64   | ppm*                        | 3.40 | me/l**    |
| Magnesium (Mg)                        | 14   | ppm                         | 1.18 | me/l      |
| Sodium (Na)                           | 6    | ppm                         | 0.26 | me/l      |
| Potassium (K)                         | 1    | ppm                         | 0.03 | me/l      |
| Sulfate (SO <sub>4</sub> )            | 18   | ppm                         | 0.37 | me/l      |
| Nitrate (as N)                        |      | ppm                         |      | me/l      |
| Chloride (Cl)                         | 5    | ppm                         | 0.14 | me/l      |
| Bicarbonate (HCO <sub>3</sub> )       | 254  | ppm                         | 4.16 | me/l      |
| Carbonate (CO <sub>3</sub> )          |      | ppm                         |      | me/l      |
| Iron (Fe)                             |      | ppm                         |      | me/l      |
| Fluoride (F)                          |      | ppm                         |      | me/l      |
| Hardness (EDTA as CaCO <sub>3</sub> ) |      | ppm                         |      | g.p.g.*** |
| Alkalinity (Methyl Orange)            | 208  | ppm (as CaCO <sub>3</sub> ) |      |           |
| Alkalinity (Phenolphthalein)          | 0    | ppm (as CaCO <sub>3</sub> ) |      |           |
| Electrical Conductivity               | 494  | micromhos per cm at 25° C.  |      |           |
| Sodium Adsorption Ratio               | 0.20 | Adjusted SAR                | 0.45 |           |
| Sodium                                | 5.55 | % of cations                |      |           |
| Residual sodium carbonate             | 0.00 | me/l                        |      |           |
| pH                                    | 7.80 |                             |      |           |

Others:  
 \*ppm=parts per million  
 \*\*me/l=millequivalents per liter

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

COMMENTS: Total anions 4.67 me/l  
 Total anions 4.67 me/l



RECEIVED

NOV 03 1980

South Dakota  
 Division of Conservation

By: Shirley Hitter

Service Performed

Amount Due

Irrigation analysis

11.00

Make checks payable to: Water Quality Laboratory

Cut along dotted line and return the lower portion with payment

Sample No. 80-913

Amount Enclosed \$

Signed

No. 4569-3

Publish first publication, on or before December 18, 1980

NOTICE OF HEARING ON  
APPLICATION TO APPROPRIATE WATER

Pierre, South Dakota 57501

November 26, 1980

Notice is hereby given that Gary Althoff whose post office address is Waubay, South Dakota, has made an application in accordance with the provisions of SDCL 46-1-1 thru 46-1-9, 46-1-14; 46-2-9 thru 46-2-11, 46-2-13; 46-5-1 thru 46-5-8; 46-5-10 thru 46-5-22, 46-5-41; 46-6-3, 46-6-3.1, 46-6-5, 46-6-6.1, 46-6-10, 46-6-14 and Board Rules ARSD 52:01:01:01 thru 52:01:01:13, for a permit to appropriate for beneficial use 2.2 cubic feet of water per second of time from ground water Project #1 (one well) through the Gary Althoff Irrigation/, the point (XX) of diversion of which is (XX) to be located in the NW 1/4 SW 1/4

of Section 19, Twp. 123N, Range 52W. Said water to be used for the purpose of providing irrigation on portions of the following described land:  
E 1/4 SW 1/4 and W 1/4 SE 1/4, Section 19, T123N, R52W

This Application No. 4569-3 will be considered by the Water Management Board at Meeting Room #1, Knapp Building upon the 28th day of January, 1981  
Church & Illinois, Pierre, SD

at 10 A.M. The Board is authorized to make a determination on this application at the hearing. All interested persons may appear and be heard. Any person who may be affected by a Board decision who desires to present evidence or cross-examine witnesses according to SDCL 1-26 may notify the Board in writing prior to the hearing or orally at the hearing.

This hearing is an adversary proceeding. Any person has the right to be present or to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised at the hearing. Decisions of the Board may be appealed to the Courts as provided by law.

Any handicapped person wishing to attend this hearing can contact the Water Rights Division, DWNR, Joe Foss Building, Pierre SD, prior to the hearing date for assistance to assure access to the hearing.

WATER MANAGEMENT BOARD

BETTY WESTLUND

Water Rights Specialist

cc: Gary Althoff  
RP #1, Waubay, SD 57262

WNR-805A-7/79 Notice of Intent to Appropriate Water  
GROUNDWATER

No. 4569-3

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA )

County ROBERTS ) ss.

I, JACK ADAMS hereby  
certify that the annexed printed copy of Notice of Intent to Appropriate

Water was taken from the SISSETON COURIER

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 SISSETON

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

Dec. 11, 1980

Dec. 18, 1980

(Signature)

PUBLISHER

(Title)

Dec. 20, 1980

(Date Signed)

NOTICE OF HEARING  
ON APPLICATION TO  
APPROPRIATE WATER

Notice is hereby given that Gary Althoff, whose post office address is Waubay, South Dakota, has made an application in accordance with the provisions of SDCL 46-1-1 thru 46-1-9, 46-1-14, 46-2-9 thru 46-2-11, 46-2-13, 46-5-1 thru 46-5-8, 46-5-10 thru 46-5-22, 46-5-41, 46-5-43, 46-6-3.1, 46-6-5, 46-6-6.1, 46-6-10, 46-6-14 and Board Rules ARSD 52:01:01.01 thru 52:01:01.13, for a permit to appropriate for beneficial use 2.2 cubic feet of water per second of time for ground water (one well) through the Gary Althoff Irrigation Project No. 1. The point of diversion of which is to be located in the NW 1/4 SW 1/4 of Section 19, Twp. 123N, Range 52W. Said water to be used for the purpose of providing irrigation on portions of the following described land: E 1/4 SW 1/4 and NW 1/4 SE 1/4, Section 19, T123N, R52W. This Application No. 4569-3 will be considered by the Water Management Board at Meeting Room No. 1, Kneip Building, Church & Illinois, Pierre, SD upon the 28th day of January 1981 at 10 a.m. The Board is authorized to make a determination on this application at the hearing. All interested persons may appear and be heard. Any person who may be affected by a Board decision who desires to present evidence or cross-examine witnesses according to SDCL 1-26 may notify the Board in writing prior to the hearing or orally at the hearing. This hearing is an adversary proceeding. Any person has the right to be present or to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised at the hearing. Decisions of the Board may be appealed to the Courts as provided by law. Any handicapped person wishing to attend this hearing can contact the Water Rights Division, DWR, Joe Foss

Building, Pierre, SD, prior to the hearing date for assistance to assure access to the hearing.  
Water Management Board  
Betty Westlund  
Water Rights Specialist  
(Dec. 11-18-2W)



4569-3

No. \_\_\_\_\_

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

April 16, 1981

Gary Althoff  
RR #1,  
Waubay, SD 57273

Dear Mr. Althoff:

Enclosed herewith is your Water Right Permit No. 4569-3 as approved by the Water Management Board authorizing you to construct your water diversion system and apply the water to beneficial use, not exceeding the limits as specified in said Water Right Permit No. 4569-3.

Also enclosed is FORM 10, Notice of Completion of Works and Application of Water to Beneficial Use, which you are to complete and submit to the Water Management Board when you have completed the system and/or have put the water to beneficial use. The Board can then schedule an inspection so that your Certificate of Construction and/or Water License may be issued to you, thus completing your acquisition of a Water Right.

Very truly yours,

JOHN HATCH, Chief Engineer  
Water Rights Division

JH: 9Y

enclosure

NOTE: With approval of Permit No. 4569-3, Permit No. 2834-3 has been placed in a cancelled status.

WNR-809-7/79

Forwarding Permit to Appropriate Water

# RECEIPT

WATER RIGHTS COMMISSION  
State of South Dakota

No 4 7742

PIERRE, October 23, 1980

RECEIVED OF Gary Althoff, RR 1, Box 134A, Waubay SD 57273

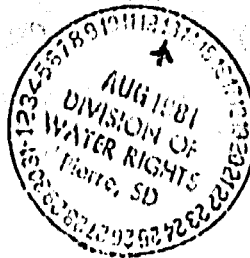
the following amount in fees for services rendered as provided for by law:

|                                                                                                                |     |    |
|----------------------------------------------------------------------------------------------------------------|-----|----|
| Fee for Application for Permit to appropriate Water No. 4569-3 (examination, processing, recording and filing) | 250 | 00 |
| 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                                                                                                |     |    |
| Fee for certified copy of                                                                                      |     |    |
| Fee for Print copy of map                                                                                      |     |    |
| Fee for Certifying                                                                                             |     |    |
| Fee for (any other work as provided by law)                                                                    |     |    |
| TOTAL                                                                                                          | 250 | 00 |

WATER RIGHTS COMMISSION

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

KW



NOTICE OF COMPLETION OF WORKS AND/OR  
APPLICATION OF WATER TO BENEFICIAL USE

Post Office Waukey, SD  
Date 8-10-81

TO: Water Rights Commission  
Joe Foss Building  
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 maximum extent it is going to be used, not exceeding the amounts as specified in Water Right No.

4569-3.

Water Right Permit No. 4569-3 states that the diversion system is to be constructed by Gary Althoff, and that the water is put to beneficial use by Gary Althoff.

The diversion system was completed on May 5, 1981. Applying the water to beneficial use was completed on May 5, 1981.

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.

Gary Althoff  
(Signature)

**South Dakota Department of  
Water & Natural Resources**

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

January 29, 1988

GARY ALTHOFF  
RR 1 BOX 134A  
WAUBAY, SD 57273

**NOTICE**

Re: Violation of Water Permit No(s). 4569-3

Our records indicate that the 1987 Irrigation Questionnaire has not been received for Permit No(s). 4569-3. The request for the Questionnaire was dated October 8, 1987. The Water Management Board has directed that owners of water permits who have not submitted 1987 Irrigation Questionnaires be given notice of permit violation and of hearing(s) before the Board. The hearing(s) will be held to determine action to be taken by the Board for violation of Water Permit No(s). 4569-3 qualification:

"This permit is approved subject to the Irrigation Water Use Questionnaire being submitted each year."

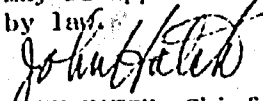
The hearing(s) will be at 9:00 am, March 2, 1988, Room 216, Joe Foss Building, 523 E Capitol, Pierre SD.

The hearing(s) will be conducted pursuant to the provisions of SDCL 46-1-12, 46-1-14, 46-2-9, 46-2-11 and 46-2-17. These are contested case hearings pursuant to procedures contained in SDCL 1-26.

Following the hearing(s) the Water Management Board can:

1. Suspend Permit No(s). 4569-3 until either the 1987 Questionnaire is submitted or for a period of up to one year;
2. Postpone any action;
3. Take no action.

The hearing(s) is an adversary proceeding. The permit owner has the right to be present or to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised. Decisions of the Board may be appealed to the Circuit Court and the State Supreme Court as provided by law.

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

NOTE: If the questionnaire(s) is received in this office before the March 2 hearing date, you will no longer be in violation of your permit(s) and your name will be deleted from the agenda pertaining to these hearings.

**South Dakota Department of  
Water & Natural Resources**  
Joe Foss Building  
523 East Capitol  
Pierre, South Dakota 57501-3181

February 5, 1988

4569-3

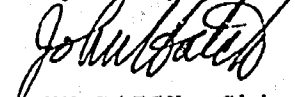
Gary Althoff  
RR 1, Box 134A  
Waubay SD 57273

Dear Mr. Althoff:

I am writing to acknowledge receipt of your 1987 Irrigation Questionnaire(s). A notice was sent to you January 29, 1988 regarding the the requirement to submit the Irrigation Questionnaire(s) for Water Permit No. 4569-3 and the hearing date before the Water Management Board.

Since your questionnaire was received prior to the March 2, 1988 Water Management Board Meeting, your name has been deleted from the Board Meeting agenda. If you have any questions, please contact us.

Very truly yours,



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



4569-3

DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES

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

SEP 27 1993

5567-3

Gary Althoff  
RR 1, Box 134A  
Waubay, SD 57273

Dear Mr. Althoff:

Enclosed is Water License No. 5567-3. This is the final water right document completing your process of obtaining a Water Right. Enclosed is Receipt No. 413474 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. 5567-3, 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,

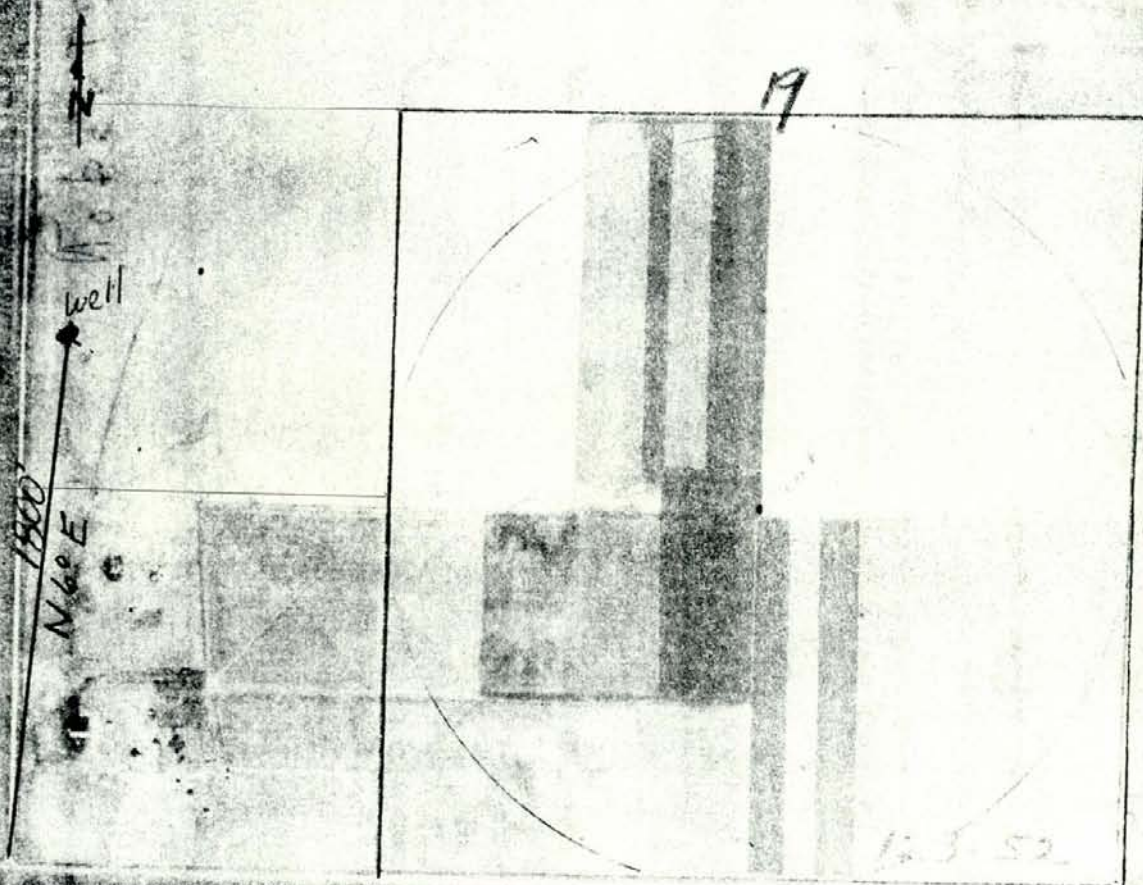
JOHN HATCH, Chief Engineer  
Water Rights Division  
(605) 773-3352

gm  
enclosures

NOTE: The applicable portions of Water Permit No. 4569-3 have been incorporated into this Water License No. 5567-3.

123-52  
Gary Althoff  
Irrigation Project #1  
RR #1  
Waubay S. Dak  
Roberts Co.

water requested - 2.2 cfs.  
E<sup>2</sup> of SW<sup>4</sup> & W<sup>2</sup> of SE<sup>4</sup> sec 19-123-52



Certified Correct  
8-20-1980  
John L. Wiersma

~~MAP # 3753~~

Appl 4569-3

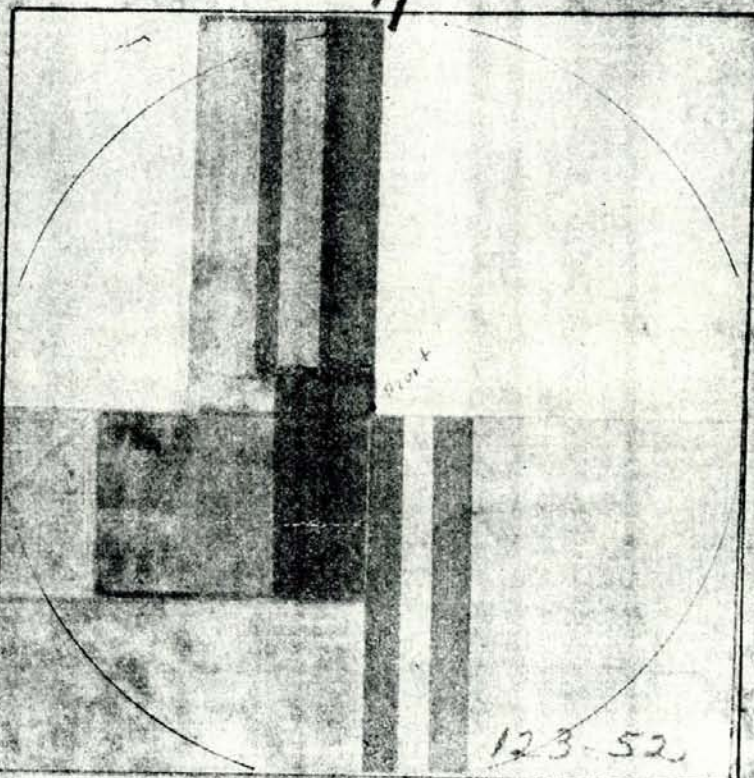
Gary Althoff

Irrigation Project #1  
RR #1

Waubay S. Dak  
Roberts Co.

water requested - 2.2 cfs

E<sup>2</sup> of SW<sup>4</sup> & W<sup>2</sup> of SE<sup>4</sup> sec 18-123-52



Certified Correct  
8-20-1980  
John L. Wiersma

map # 37883 Appl 4569-3