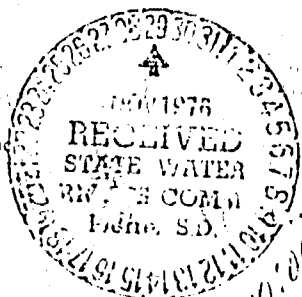


Water Right Number 1513-2

1. Considered 2-23, 19 77
2. Name of Applicant ROBERT J. LOGTERMAN
3. Post Office Address CROOKSTON, NEB.
4. Amount of Water claimed 1.50
5. Source of Water supply 280' WELL
6. Water to be used for IRRIGATION
Acres to be irrigated 132
7. Water to be diverted and used in TODD County
about 15 S, 6 W miles of MISSION
8. Proof of Publication
Received 2-10-77
Not Received
9. Application
Approved
Subject to
Not Approved
Action Deferred
10. Remarks:

No. 1572-2Map No. 1116-2 Water Division No. 2 KEYAPALLA RIVER District
(Blank to be Filled by the Engineer for the W. R. C.)

APPLICATION FOR PERMIT

To Appropriate Water within the State of South Dakota

(NOTE—Draw a line through items not applicable)

1. Name of Applicant Robert J. Logterman (Res. Logterman Enterprises Inc.)
 Postoffice address CROOKSTON, State NEBRASKA 69212
 If a corporation, show date and place of incorporation MAY 15, 1976, CROOKSTON NEBRASKA FILE IN PIERRE, S.D.
2. Method of accomplishing work (contract, employment of others, or by direct labor) EMPLOYMENT OF OTHERS
3. Name of diversion work Logterman Well No. 2
4. Amount of water claimed (cubic feet per second) 1.5"
5. Source of water supply Ground water (well)
6. Location of point of diversion CENTRAL AREA OF THE
NW 1/4 of Sec 17 Twp 36 R 29
 County Todd
7. Annual period or periods during which water is to be used APRIL 15 to OCT 15
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 132

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 NW 1/4 17-36-29	33		
NE 1/4 of SW 1/4 17-36-29	33		
SW 1/4 of SW 1/4 17-36-29	33		
SE 1/4 of SW 1/4 17-36-29	33		

Attach sheet if more space is needed

10. Time required to complete construction of water supply system: 2 years. Additional time required to complete application of water to the proposed beneficial use: 5 years.
11. Choice of newspaper for Notice of Intent to Appropriate Water publication Todd CO. Tribune
12. Principal Features of the Proposed Water Supply System.

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

ELECTRIC PUMP FROM WELL

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

8" UNDERGROUND PIPE

C. Works proposed to apply water to beneficial use.

CENTER PIVOT SYSTEMEstimated Total Cost \$ 40,000Attachments 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 ToddI, Robert Logterman 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 Robert LogtermanSubscribed and sworn to before me this 26 day of May, 1921

Notary Public (or other qualified officer)

WATER RIGHT APPLICATION APPROVAL

The Water Rights Commission hereby approves Water Right Application No. 1513-2

ROBERT J. LOGTERMAN
(Applicant)

CEDAR RAPIDS
(Post Office Address)

NEBRASKA 69212 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.

Date of first receipt of application NOVEMBER 29, 1976
Date of return to applicant for correction, amendments or changes required ---, 19---
Date of receipt of corrected application JANUARY 11, 1977
Approved FEBRUARY 23, 1977, Recorded in Book 17 Page 183

WATER RIGHT PERMIT NO. 1513-2

The Water Rights Commission hereby grants and issues this Water Right Permit No. 1513-2 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 29, 1976
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before FEBRUARY 23, 1978
3. The whole of said work is to be completed on or before FEBRUARY 23, 1979
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is FEBRUARY 23, 1982
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 1.5 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 FEBRUARY 23, 1982; said water to be used during the following described annual period: APRIL 15 - OCTOBER 15

Witness my hand this 12TH day of APRIL, 1977

WATER RIGHTS COMMISSION

By:

John Hatch
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 32", Depth 280'
- (2) Casing, Type Steel Diameter 16" Thickness 1/4"
(wood, concrete, steel, etc)
- (3) Perforated Screen
Type Perforated Steel, Diameter 16", Length 160'
- (4) Gravel Pack, Thickness 12", Length of gravel pack 280'

E. Dugout Information or Estimates

- (1) Surface dimensions _____ Depth _____

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

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

Character of Water bearing materials Sand and Sand Stone
Formations From 60' to 280'

Depth to top of water bearing material 70'

Depth to bottom of water bearing material 280'

Thickness of water bearing material 210'

Depth to water (ground surface to water level) 73'

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

On same owner's property 20 rds. On property owned by others 120 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.

Robert L. Szymanski (Pres. Szymanski Enterprises Inc.)
Signature of Applicant

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

Submitted by: Edward Logstman, Crookston, Minn. Date: October 29, 1975
 Address: o/o Robert Logstman Sample No. 75-1031
Rt. 1, Box 104 Identification Well-
Manhattan, Montana 59741 NW 1/4, Sec. 17, T. 36N, R. 29W

WATER ANALYSIS

Calcium (Ca)	63	ppm*	3.15	me/l**
Magnesium (Mg)	8	ppm	0.66	me/l
Sodium (Na)	5	ppm	0.21	me/l
Potassium (K)	12	ppm	0.30	me/l
Sulfate (SO ₄)	4	ppm	0.08	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	7	ppm	0.20	me/l
Bicarbonate (HCO ₃)	239	ppm	3.92	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)	196	ppm (as CaCO ₃)		
Alkalinity (Phenolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	441	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	0.15			
Sodium	4.8	% of cations		
Residual sodium carbonate	0.11	me/l		
pH	7.30			
Others:				

*ppm=parts per million

**me/l=milliequivalents per liter

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

COMMENTS: Total cations 4.32 me/l
 Total anions 4.20 me/l

By: Shirley Kitten

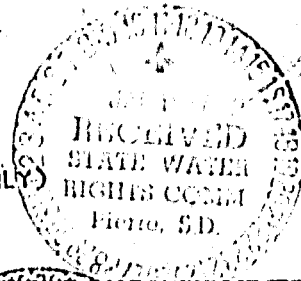
Service Performed	Amount Due
Irrigation analysis	\$6.00

Make checks payable to: Water Quality Laboratory

Cut along dotted line and return the lower portion with payment

CONSERVATION
COMMISSION
FORM W1 #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 GROUND WATER IRRIGATION ONLY)



NAME Robert J. Longorian

ADDRESS Crookston, Nebraska 69212

COUNTY Todd



LEGAL DESCRIPTION

1. WELL LOCATION NW 17-36-29
2. LOCATION OF AREA TO BE IRRIGATED 133 acres in the SW 17-36-29

TYPE OF IRRIGATION

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

WATER QUALITY

5. SAMPLE NUMBER 76-1947
6. SALINITY (EC X 10⁶) 377.6 very high 378
7. SODIUM (SAR) 0.13 (low)
8. RESIDUAL SODIUM CARBONATE (meq/l.) 0.05

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

Robert J. Longorian
APPLICANT'S SIGNATURE

DEPOSED AND SWORN BEFORE ME THIS
23 DAY OF November 19 76.

Margaret Tippet
(TITLE OR SEAL)

Notary Public

(SOILS INFORMATION ON REVERSE SIDE)

Albert J. Tippet
APPROVED/DISAPPROVED

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

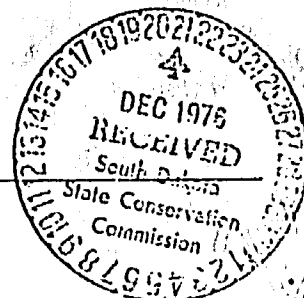
Submitted by: Robert J. Loggman Date Rec'd November 29, 1976
 Address: Crookston, Nebraska 69212 Sample No. 76-1947
 Identification Well-
HW-1, Sec. 17, T. 36N, R. 29W

WATER ANALYSIS

Calcium (Ca)	71	ppm*	3.55	me/l**
Magnesium (Mg)	1	ppm	0.08	me/l
Sodium (Na)	4	ppm	0.17	me/l
Potassium (K)	8	ppm	0.21	me/l
Sulfate (SO ₄)	0	ppm	0.00	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	2	ppm	0.06	me/l
Bicarbonate (HCO ₃)	224	ppm	3.68	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 (Phenolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	3776	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	0.13			
Sodium	4.23	% of cations		
Residual sodium carbonate	0.05	me/l		
pH	7.48			
Others:				

*ppm=parts per million
 **me/l=millequivalents per liter
 ***g.p.g.=grains per gallon

COMMENTS: Total cations 4.01 me/l
 Total anions 3.80 me/l



By: Shirley Mittan

Service Performed	Amount Due
Irrigation analysis	\$8.00

Make checks payable to: Water Quality Laboratory

Cut along dotted line and return the lower portion with payment

Sample No. 76-1947

Amount Enclosed \$

Signed

Form 6 - Notice of Intent to Appropriate Water

No. 1513-3

Publish first publication, on or before February 10, 19 77

NOTICE
INTENT TO APPROPRIATE WATER

Pierre, South Dakota 57501

February 3, 19 77

Notice is hereby given that Robert J. Logterman
whose post office address is Crookston, Nebraska, has made an application in accordance
with the provisions of the water laws of South Dakota for a permit to appropriate for beneficial use

1.6 cubic feet of water per second of time from the ground water through the
Logterman Well No. 2, the point of diversion of which is to be located in the

Center of NW 1

of Section 17, Twp. 36N, Range 20W. Said water to be used for the purpose
of providing irrigation on the following described land:
SW 1/4, Section 17, T36N, R20W

This application No. 1513-2 will be considered by the Water Rights Commission at their office at
Pierre upon the 23rd day of February, 19 77, at 10:00 A. M. All interested
persons may appear and be heard.

WATER RIGHTS COMMISSION

By:

BURTON F. JONES
Water Rights Specialist

BFJ/bw

cc: Robert J. Logterman, Crookston, Nebraska 69312

No. 1513-2

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Butte) ss.

I, Lennette Gran hereby
certify that the annexed printed copy of Notice of Intent to Appropriate
Water was taken from the Butte County Tribune

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

Town of Union

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

Feb 13, 1977

Feb 17, 1977

Lennette Gran
(Signature)

Bookkeeper
(Title)

February 9, 1977
(Date Signed)

Notice of Intent to
Appropriate Water

Notice is hereby given that
Robert J. Logterman, whose post
office address is, Crookston,
Nebraska, has made an applica-
tion in accordance with the
provisions of the water laws of
South Dakota for a permit to
appropriate for beneficial use 1.5
cubic feet of water per second of
time from ground water through
the Logterman Well No. 12, the
point of diversion of which is to
be located in the Center of NW 1/4
of Section 17, Twp. 36N, Range
29W, Sd. water to be used for the
purpose of providing irrigation
on portions of the following
described land: SW 1/4, Section 17,
T36N, R29W, Sd. water.
This application No. 1513-2 will
be considered by the Water
Rights Commission at their
office at Pierre upon the 23rd day
of February, 1977, at 10:00 a.m.
All interested persons may ap-
pear and be heard.

WATER RIGHTS
COMMISSION

By: Burton F. Jones
Water Rights
Specialist

Publ.: February 10 and 17.





Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501

Water Rights Division
605 773-3352

September 14, 1983

1513-2

1318-2

Robert Logterman
Crookston NE 69212

Dear Mr. Logterman:

The inspection of your water use system and inspection of the extent of the application of water to beneficial use, as developed under your Water Right No. 1513-2 has been completed.

Statutes require that we charge a \$50.00 fee for the inspection and issuing of the Water License. Upon receipt of the \$50.00 fee from you, your Water License will be sent to you.

The inspection of your water use system showed that the systems authorized by Water Permit No. 1318-2, Ed Logterman and No. 1513-2, Robert Logterman are operated as one system. Therefore, upon licensing Permit No. 1513-2, the applicable portions of Permit No. 1318-2 will be incorporated into the License. In order to incorporate the two permits, Permit No. 1318-2 should be transferred to your name.

Enclosed is a partially completed notice of transfer. Please check over, date, sign before a notary and return the form to this office with a \$2.50 filing fee. Permit No. 1318-2 will then be transferred to your name.

Please submit the transfer form and a total of \$52.50 in filing fees (\$50.00-License/\$2.50-transfer) to this office. South Dakota Water Law 46-5-30.1 requires that a permit holder may not divert water until the \$50.00 license fee has been paid. Contact this office if you have any questions.

Sincerely,

Genny McMath
Water Rights Specialist

GM:ks

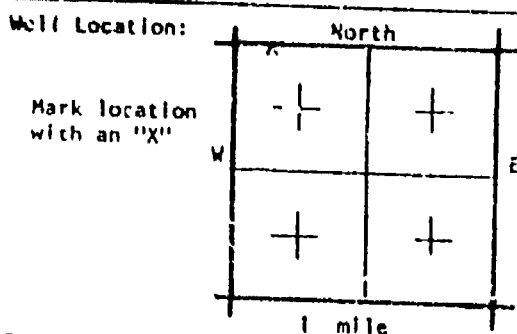
enclosure

NOTE: On form of payment, please include permit number to insure proper handling of the fees.

WELL DRILLER'S REPORT
SOUTH DAKOTA WATER RIGHTS COMMISSION

4-78

Well Owner:
Name Robert Logterman
Address Crookston, Nebraska 69212



County Todd
NE 1/4 NW 1/4 Sec. 17 Twp. 36 Rg. 29

Proposed Use:
☐ Domestic ☐ Municipal ☐ Test Holes
☒ Irrigation ☐ Industrial ☐ Stock

Method of Drilling:
☐ Forward Rotary ☐ Bored ☐ Jetted
☒ Reverse Rotary ☐ Cable ☐ Other

Well Construction:
Diameter of Hole 34"
Depth 246 ft.
Casing ☒ Steel ☐ Concrete
☐ Plastic ☐ Other
If other, specify _____
Was casing end left open No
Was a well screen installed YES
Describe Well Screen
Diameter 16" Material Steel
Slot size 3" x .125
Was well gravel packed YES
Was well grouted No
Was water sample taken No

Remarks:
sm small
ss sandstone
m sand med sand

Water Level Information:
Static water level 112 below land surface
If flowing, closed in pressure _____ PSI
rate of low _____ GPM
Controlled by:
☐ Valve ☐ Reducers ☒ Other
If other: specify _____

Well Test Data:
☒ Pumped
☐ Bailed Describe: _____
☐ Other _____
Pumping Level Below Land Surface
180 ft. After 24 Hrs. pumped 747 GPM
198 " " 1 " " 895 "
210 " " 2 " " 1005 "

Well Log:

Formation	Depth	
	From	To
sand & mag layers	0	20
sand, sm. mag layers	20	40
sand	40	50
clay	50	53
sand & mag layers	53	60
sand, ss, sm. clay layers	60	80
med sand, ss	80	90
m sand, ss, sm. clay & limestone layers	90	97
med sand, ss	97	132
mag	132	133
med sand, ss	133	136
mag	136	137
med sand, ss	137	177
mag	(Use Pack If Necessary)	180
med sand, sandstone	180	236
clay	236	240

Data Completed: March 26, 1981

Driller:
Garnett Irrigation Co. 273
Driller's or firm's Name License No.
Box 70
Benet, Nebraska
Address



Signed By [Signature] Date 4-78



Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501

WATER RIGHTS DIVISION
Phone (605) 773-3352

February 8, 1984

Robert Logterman
Crookston, Nebraska 69212

Dear Mr. Logterman;

Enclosed herewith is, Water License No. 1513-2. This 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,

A handwritten signature in cursive script, reading "John Hatch".

JOHN HATCH, Chief Engineer
Water Rights Division

JH: ms

Enclosures

Applicable portions of Water Permit No. 1318-2 have been incorporated into this Water License #1513-2.

RECEIPT

Division of Water Rights
South Dakota Department of Water and Natural Resources

No 4 9443

Pierre, December 15, 1933

RECEIVED OF Robert Lonferman, Crookston, NE 69212

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

Fee for Application for Permit No. _____ to Appropriate Water, to construct works and to put water to beneficial use _____		
Fee for Application for Permit No. _____ to Appropriate Water for Future Use _____		
Fee to retain Future Use Permit No. _____ after period of seven years.		
Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water License No. 1515-2	50	00
Fee for Filing Transfer Form _____		
Fee for Filing Extension Request _____		
Fee for Certified Copy of _____		
Fee for Print Copy of Map _____		
Fee for Certifying _____		
Fee for _____		
(Any Other Work Provided by Law)		
Total	50	00

By John Hatch
Chief Engineer JOHN HATCH/ms

State of South Dakota
Water License No. 1513-2

(1) Robert Logterman
of Crookston, Nebraska 69212
made Application No. 1513-2 November 29, 1976 for a water permit to appropriate
1.50 cubic feet per second of water from groundwater (one well)
Todd County, South Dakota for Irrigation purposes.
Permit No. 1513-2 with a priority date of November 29, 1976
was approved February 23, 1977 and issued to applicant(s) for diversion of water with construction of the described
water supply system to be completed on or before February 23, 1979 and for the application to beneficial use of said
water on or before February 23, 1982.

The applicable portions of Water Permit No. 1318-2 have been incorporated into this Water License. The two wells covered under Permits 1318-2 and 1513-2 are capable of diverting a combined rate of 3.00 cubic feet per second (cfs). The priority date of December 4, 1975 will be retained for the 1.9 cfs authorized by Permit No. 1318-2, and the remaining 1.1 cfs will carry the November 29, 1976 priority date from Permit No. 1513-2.

and

(2) It is certified that the application has complied with the provisions of South Dakota State Law relating to completion of the construction of the water supply system and is entitled to divert 3.00 cubic feet per second of water for beneficial use. The location of the diversion point(s) is Well #1 - 1867 ft S 45°W of N½ Corner (BD)
Well #2 - 1390 ft S 4°8'W of N½ Corner (BB) Section 17, T36N, R29W

and

(3) The applicant has complied with the provisions of South Dakota State Law relating to the application of water to beneficial use to the following extent, to irrigate the following land all in Section 17,

<u>T36N, R29W</u>			
<u>NE$\frac{1}{4}$NW$\frac{1}{4}$</u>	<u>32.3</u>	<u>Acres</u>	<u>(B$\frac{1}{2}$)</u>
<u>NW$\frac{1}{4}$NW$\frac{1}{4}$</u>	<u>32.1</u>	<u>Acres</u>	<u>(BB)</u>
<u>SW$\frac{1}{4}$NW$\frac{1}{4}$</u>	<u>32.7</u>	<u>Acres</u>	<u>(BC)</u>
<u>SE$\frac{1}{4}$NW$\frac{1}{4}$</u>	<u>33.3</u>	<u>Acres</u>	<u>(BD)</u>
<u>E$\frac{1}{2}$SW$\frac{1}{4}$</u>	<u>32.5</u>	<u>Acres</u>	<u>(CA)</u>
<u>NW$\frac{1}{4}$SW$\frac{1}{4}$</u>	<u>31.6</u>	<u>Acres</u>	<u>(CB)</u>
<u>SW$\frac{1}{4}$SW$\frac{1}{4}$</u>	<u>33.3</u>	<u>Acres</u>	<u>(CC)</u>
<u>SE$\frac{1}{4}$SW$\frac{1}{4}$</u>	<u>32.1</u>	<u>Acres</u>	<u>(CD)</u>
<u>TOTAL</u>	<u>259.9</u>	<u>ACRES</u>	

(4) Pursuant to §46-5-30.1 Robert Logterman
of Crookston, Nebraska 69212
the holder(s) and/or owner(s) of Water Permit No. 1513-2 is issued a license to appropriate water, the right to use 3.00 cubic feet per second of water from groundwater (two wells-Ogallala) with a priority date of 1.9 cfs from December 4, 1975 & 1.1 cfs /from November 29, 1976 from the location specified in (2) of this license. The water to be conducted to and upon lands specified in (3) of this license for the purpose of Irrigation

This license is subject to any limitations or qualifications listed in Water Permit No. 1513-2 and subject to South Dakota State Law.


Chief, General Water Rights Division
Department of Water and Natural Resources

January 26, 1984

1318-2
Permit No. 1513-2

Water Division 2 Keya Paha Water District

REPORT OF EXAMINATION OF WORKS
AND/OR APPLICATION OF WATER TO BENEFICIAL USE

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

I have this day made a thorough examination of the water use system constructed by Robert Logterman of Crookston, Nebraska holder of Permit No. 1318-2 bearing date of priority of 1318-2: 12-4-75 1513-2: 11-29-76, 19____ authorizing the diversion of 1.7 cu. ft. per second of the waters of Ground water (Ogallala) for Irrigation purposes, in Todd County.

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

The Water Use System consists of,

A. Works used to divert the water:

Two wells: 246 and 260 ft. deep.

North well: Sargent 5 stage Turbine pump. #22881, Bowl size: 11 in, 750 gpm
U.S. High Thrust 100 Hp 3 phase electric motor. #E-6347-03-087

South well: Chase Hydro Turbine 5 stage, 12 in. bowl, 600 gpm
U.S. High Thrust 100 Hp 3 phase electric motor. #R 2144121 M

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

3960 ft. of 8 in. PVC pipe, buried

C. Works used to apply water to beneficial use.

Two 11 Tower Valley Water Drive center pivots.

NW4- 115 ft. Spans 1290 ft. LOA, Valley end gun. 70 psi operating pressure

SW4- 110 ft. Spans 1200 ft. LOA, Valley end gun. 65 psi operating pressure

The system is in the following condition: Good

The point of diversion is located Well #1: 1867 ft. S. 45° W of N 1/4 Cor. 17-36-29. (BD)

Well #2: 1390 ft. S. 4° 8' W of N. 1/4 Cor. 17-36-29. (BB)

The works are capable of diverting and conveying to the place of use 3.00

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

Water has been put to beneficial use to the maximum extent as follows: Irrigation of the following land:

<u>NW 1/4 17-36-29</u>	<u>SW 1/4 17-36-29</u>
<u>NE 1/4 NW 1/4: 32.3 acres (BB)</u>	<u>NE 1/4 SW 1/4: 32.5 acres (CB)</u>
<u>NW 1/4 NW 1/4: 32.1 acres (BB)</u>	<u>NW 1/4 SW 1/4: 31.6 acres (CB)</u>
<u>SW 1/4 NW 1/4: 32.7 acres (BB)</u>	<u>SW 1/4 SW 1/4: 33.1 acres (CB)</u>
<u>SE 1/4 NW 1/4: 33.3 acres (BD)</u>	<u>SE 1/4 SW 1/4: 32.1 acres (CB)</u>
<u>Total 130.4</u>	<u>129.5</u>

comprising a total of 259.9 acres of land.

Well information:

Well #1: Depth: 260 ft

Casing: 100 ft. 16" steel

Screen: 160 ft. 16" slotted steel

Static: 98 ft.

The applicable portions of Permit No. 1318-2 will be incorporated into this Water District N. 1513-2

Well #2:

Depth: 246 ft

Casing: 100 ft. 16" steel

Screen: 146 ft. 16" slotted steel

Static Level: 103'

Date June 22, 1983

Frank Smith
(Signature)

Amount for 3.00 cfs

1.7 cfs w/ 1975 priority
1.1 cfs w/ 1976 priority

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

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

March 23, 1987

ROBERT J. LOGTERMAN
HC 7B BOX 17
CROOKSTON, NE 69212

NOTICE

Re: Violation of Requirement To Submit 1986 Irrigation
Questionnaire

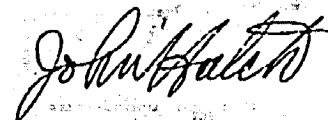
Our records indicate that the 1986 Irrigation Questionnaire has not been submitted for Permit No(s). 1513-2. The request for the Questionnaire was dated November 3, 1986. The Water Management Board has directed that owners of water permits who have not submitted 1986 Irrigation Questionnaires be given notice of hearing(s) to be held by the Board to determine if any action is to be taken concerning the violation.

The hearings will be held at 2:00 pm, May 6, 1987 in Room 216, Joe Foss Building, 523 E Capitol, Pierre SD.

The hearing 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. Amend Permit No(s). 1513-2 to require the Irrigation Water Use Questionnaire to be submitted each 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 hearing date, your name will be deleted from the agenda for the hearing.

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

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

April 15, 1987

1513-2

Robert Logterman
HC 78 Box 17
Crookston, NE 69212

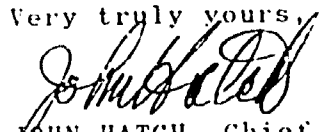
Dear Mr. Logterman:

This will acknowledge receipt of and thank you for the return of your 1986 Irrigation Questionnaire. A notice was sent to you March 23, 1987 regarding the Irrigation Questionnaire submittal violation of Water Permit No. 1513-2 and the date hearings were to be held before the Water Management Board to determine any action to be taken concerning the violation.

Please disregard the notice sent to you dated March 23, 1987. Your name has been deleted from the agenda pertaining to these hearings.

If you have any questions, please contact us.

Very truly yours,


JOHN HATCH, Chief Engineer
Water Rights Division

605 773-3352

SOUTH DAKOTA Department of
Water & Natural Resources

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

February 9, 1990

ROBERT J LOGTERMAN
HC 78 BOX 17
CROOKSTON, NE 69212

NOTICE

RE: Violation of Requirement to Submit 1989 Irrigation Questionnaire

Our records indicate that the 1989 Irrigation Questionnaire has not been submitted for Permit No(s). 1513-2. The request for the Questionnaire was dated October 13, 1989. The Water Management Board had directed that owners of water permits who have not submitted 1989 Irrigation Questionnaire be given notice of hearing(s) to be held by the Board to determine if any action is to be taken concerning the violation.

The hearings will be held at 8:30 am, March 7, 1990 at the Howard Johnson's, Jefferson-Roosevelt Room, I-90 at LaCrosse, Rapid City SD.

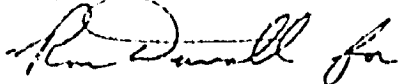
The hearing will be conducted pursuant to the provisions of SDCL 46-1-12, 46-1-14, 46-2-9, 46-2-11 and 46-2-17. These are contested case hearings pursuant to procedures contained in SDCY 1-26. Following the hearing(s), the Water Management Board can:

1. Amend Permit No(s). 1513-2 to require the Irrigation Water Use Questionnaire to be submitted each 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.

If the questionnaire(s) is received in this office before the March 7th hearing date, your name will be deleted from the agenda for the hearing.

Very truly yours.



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

SOUTH DAKOTA Department of
Water & Natural Resources

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

February 16, 1990

1513-2

Robert J Logterman
HC 78, Box 17
Crookston NE 69212

Dear Mr. Logterman:

I am writing to acknowledge receipt of your 1989 irrigation questionnaire for Water Permit No. 1513-2. You may disregard the February 9, 1990 Notice of failure to submit the 1989 irrigation questionnaire. Your questionnaire was received prior to the March Water Management Board meeting and your name was deleted from the agenda pertaining to the hearing.

If you have any questions, please contact Genny McMath, at (605) 773-3352.

Sincerely,

Ron Duvall
RON DUVAL
Natural Resources Engineer
Water Rights Division



1513-2

DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-2181

November 15, 1993

No. 1513-2

Mel Logterman
502 Norbeck
Vermillion, SD 57069

Dear Mr. Logterman:

Enclosed is a partially completed "Notice of Transfer" form for use in filing an ownership change on Water Right No. 1513-2. The water right is currently listed in the name of Robert J. Logterman.

The transfer form should be checked over for accuracy and signed by the new owner in the presence of a notary public. Upon completion, return the form to our office with a required filing fee of \$2.50.

South Dakota Water Law 46-5-30.3 requires Notice of any sale, grant, lease, conveyance or other transfer of a water permit or water right to appropriate water to be filed with this office within ninety days.

If you have any questions, please contact me.

Sincerely,

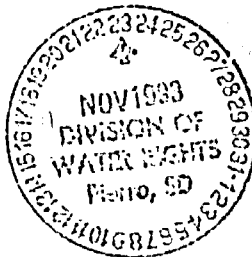
Cheryl F. Frost
Cheryl F. Frost
Secretary
Water Rights Division
(605) 773-3352

enclosure

1513-2

NOTICE OF TRANSFER OF OWNERSHIP

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



No. 1513-2

Date: _____

I/We request that Water Right No. 1513-2

formerly owned by: Robert J Logterman, HC 78 Box 17, Crookston, NE 69212

be transferred to: Mel Logterman, 502 Norbeck, Vermillion, SD 57069 (Telephone No) _____

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

W 1/2 Section 17, T36N, R29W

I/We understand that the validity of Water Right No. 1513-2 has not been determined by this transfer action. If I/We have any questions on validity, I/We understand that only the Water Management Board has the authority to determine if a water permit/right is valid (see note).

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

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

STATE OF SOUTH DAKOTA)
County of Clay)

I/We Melvin Logterman being first duly sworn on my oath depose and say that my relation to the above described undertaking is that of Owner, that I have read the above foregoing statement, and that I know of my own personal knowledge that the information herein stated is true.

Melvin Logterman
(Signed)

Subscribed and sworn to before me this 30 day of November, 19 93.

Shelly Bendert
(Notary Public)

My Commission Expires April 4, 1999

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

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

RECEIPT

Division of Water Rights

South Dakota Department of Environment and Natural Resources

1513-2
413947

Pierre, _____ November 23, 1995

RECEIVED OF Melvin Logterman, 502 Norbeck, Vermillion, SD 57069

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

Fee for Application for Permit No. _____ to Appropriate Water, to construct and to put water to beneficial use _____		
Fee for Application for Permit No. _____ to Appropriate Water, for Future Use _____		
Fee to retain Future Use Permit No. _____ after period of seven years.		
Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water License, No. _____		
Fee for Filing Transfer Form <u>Water Right No. 1513-2</u>	2	50
Fee for Filing Extension Request _____		
Fee for _____		

(Any Other Work Provided by Law)	Total	2 50

By

John Waldman
Chief Engineer



1513-2

DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3181

December 2, 1993

No. 1513-2

Mel Logterman
502 Norbeck
Vermillion, SD 57069

Dear Mr. Logterman:

Enclosed is a receipt in the amount of \$2.50 which you paid for the transfer of Water Right No. 1513-2.

Our records now show you as the owner of Water Right No. 1513-2.

Sincerely,

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

enclosure



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

December 17, 2003

No. 1513-2

Jerry Jacobsen
1604 Edgewood Rd
Sioux Falls SD 57103

Dear Mr. Jacobsen:

Thank you for returning the 2003 SD Water Use Questionnaire. The form indicates a change of ownership has occurred. Enclosed is a partially completed "Notice of Transfer" form for use in filing an ownership change on Water Right No. 1513-2. The water right is currently listed in the name of Melvin Logterman. I have also enclosed a copy of the water right for your records.

The transfer form should be checked over for accuracy and signed by the new owner. Upon completion, return the form to our office with a required filing fee of \$2.50.

South Dakota Water Law 46-5-30.3 requires Notice of any sale, grant, lease, conveyance or other transfer of a water permit or water right to appropriate water to be filed with this office within ninety days.

If you have any questions, please contact me.

Sincerely,

Karen Schlaak

Karen Schlaak
Water Rights Program
605 773-3352

enclosure

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date December 22, 2003

RECEIVED OF Jerry Jacobsen, 43020 S Coral Ct., Sioux Falls SD 57103-4830

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

Fee for Application for Permit No. _____ to Appropriate Water, to construct and to put water to beneficial use	2.50	
Fee for Application for Permit No. _____ to Appropriate Water for Future use		
Fee to retain Future Use Permit No. _____ after period of seven years.		
Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water License No. _____		
Fee for Filing Transfer Form <u>1513-2</u>		
Fee for _____		
Fee for Issuing New Well Driller's License No. _____ for C.Y. _____		
Fee for Renewal of Well Driller's License No. _____ for C.Y. _____		
Fee for Issuing Well Pump Installer's License No. _____ for C.Y. _____	2.50	
Fee for Renewal of Well Pump Installer's License No. _____ for C.Y. _____		
(Any Other Work Provided by Law)	TOTAL	2.50

No.

000999

By

Darland Erbele

Chief Engineer

gm

NOTICE OF TRANSFER OF OWNERSHIP

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

RECEIVED
DEC 22 2003
WATER RIGHTS
PROGRAM

No. 1513-2

Date: 12-18-03

I/We request that Water Right/Permit No. 1513-2

formerly owned by: Melvin Logterman

be transferred to: (name & address) Jerry Jacobsen, 1604 E Edgewood Rd, Sioux Falls SD 57103

Telephone No. 605 371-1325

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

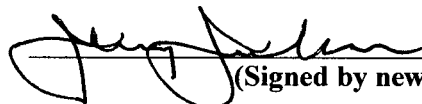
260 acres - W 1/2 Section 17-T36N-R29W

I/We understand that the validity of Water Right/Permit No. 1513-2 has not been determined by this transfer action. If I/We have any questions on validity, I/We understand that only the Water Management Board has the authority to determine if a water permit/right is valid (see note).

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

A fee of Two Dollars and Fifty Cents (\$2.50) is required to cover the filing fees as required under SDCL 46-2-13. This form must be signed by the new owner.

I/We JERRY JACOBSEN, the new owner, certify that the above information is true and correct.


(Signed by new owner)

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

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



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

December 22, 2003

1513-2

Jerry Jacobsen
1604 E Edgewood Rd
Sioux Falls SD 57103

Dear Mr. Jacobsen:

Thank you for following up on the ownership change for Water Right No. 1513-2. The transfer has been completed. The water right formerly listed in the name of Melvin Logterman is now listed in your name.

Enclosed is your Receipt No. 000999 in the amount of \$2.50. If I can answer any questions for you, please contact me.

Sincerely,

Genny McMath
Environmental Scientist
Water Rights Program
(605) 773-3352
email: genny.mcmath@state.sd.us

enclosure

NOT TO SCALE

36-29

Well #2

131 R
6.9

39.2

25.9

Vander we

11.8

Well #1

32.7

33.3

49.8

17

145.3

145.3

Robert
Hogsternan

124.9

124.9

31.6

32.5

33.3

32.1

GAYLE
TINANT

36-29

~~Map # 116-2~~

W/R 1513-2

(Incorps. 1318-2)



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
PMB 2020
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3182
<http://denr.sd.gov>

October 16, 2012

1513-2

Jerry Jacobsen
5920 S Grand Lodge Pl
Sioux Falls SD 57108 5229

Dear Mr. Jacobsen:

Enclosed is a "Notice" dated October 12, 2012 concerning the 2012 irrigation questionnaire.

The notice was originally mailed to 1604 E Edgewood Rd, Sioux Falls. The post office notified us that your address has changed and I will update our records accordingly.

If you have any questions, please contact me.

Sincerely,

Genny McMath
Water Rights Program
(605) 773-3352
email: genny.mcmath@state.sd.us

enclosures



DEPARTMENT OF ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
denr.sd.gov



June 17, 2014

1513-2

Jerry Jacobsen
5920 S Grand Lodge Pl
Sioux Falls SD 57108 5229

Dear Mr. Jacobsen:

I am writing in regard to the irrigation questionnaire information for 2013 for Water Right No. 1513-2. The water right authorizes irrigation of the W ½ Section 17, T36N, R29W.

Information for one of the pivots operated under the water right was received several months ago from Dwight Logterman. The information for the pivot operated by Mike Assman is still missing. I have called and left messages and have not heard back from him. I know that you have called and left messages as well.

With the exception of irrigators with water spreading systems, submission of the irrigation questionnaire for all water rights in South Dakota is mandatory. Annual submission of the information is required whether or not irrigation took place during the season. Currently, submission of the irrigation questionnaire for Water Right No. 1513-2 is by Board Rule only and not a qualification on the water right.

Our intent is to schedule a hearing in front of the Water Management Board to consider amending the water right to add the qualification to the water right. This process means that with future violations, the Board has the authority to suspend the water right for a period of one to three years or cancel the water right after three violations.

If the information for the pivot Mr. Assman operates is submitted by **June 25th**, no Board hearing will be scheduled. If you have any questions, please give me a call.

Sincerely,

Genny McMath
Water Rights Program
(605) 773-3352
email: genny.mcmath@state.sd.us

c: Mike Assman, 28636 283rd Ave., Mission SD 57555

WATER RIGHTS PROGRAM -- FILE DOCUMENTATION

NAME & ADDRESS: Jerry Jacobsen, 5920 S Grand Lodge Pl, Sioux Falls SD 57108

DATE: June 19, 2014

RE: irrigation questionnaire

COMMENTS:

Water Right No. 1513-2 authorizes irrigation of the W ½ Section 17, T36N, R29W. The owner of the property has two separate renters for the NW ¼ and the SW ¼. The 2013 irrigation questionnaire information was received from Dwight Logterman several months ago. The renter for the remaining quarter of land had not yet submitted any information as of June 17th.

I had spoken with Mr. Jacobsen on a few occasions and he was trying to get the information from Mike Assman who operates the second pivot. I had also called several times and left messages for Mr. Assman and he did not return my phone calls.

On June 17th I mailed a letter to Jerry Jacobsen with a copy to Mike Assman concerning submission of the 2013 irrigation questionnaire information. After receiving my letter indicating a hearing would be scheduled if the questionnaire information was not returned by June 25th, Mike Assman called with the information.

Nothing further is needed for 2013 and the issue has been taken care of.



Genny McMath
Water Rights Program



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3182
www.denr.sd.gov

November 6, 2019

1513-2

Dwight Logterman
29977 264th Ave
Kilgore NE 69216

Dear Mr. Logterman:

Thank you for returning my phone call relative to Water Right No. 1513-2, listed in the name of Jerry Jacobsen.

Enclosed is the 2019 irrigation questionnaire. It would be helpful if you could try and come up with at least how many inches of water you feel were applied this last year. Do the best you can, and we will try to work with it.

As we discussed, I will list you as the contact person in our files until an ownership change can be filed. It is important to keep records up to date to ensure correspondence gets to the right person.

Also enclosed are copies of the water right, inspection report, map and various ownership changes that have taken place. Please review the enclosed materials and let me know if you have any questions. The irrigation questionnaire should be returned to us with what information you have by **December 2nd**. You can keep the remaining copies of information.

Sincerely,

A handwritten signature in black ink, appearing to read "Genny McMath". The signature is fluid and cursive, with the first name "Genny" being more prominent.

Genny McMath
Water Rights Program
(605) 773-3352
email: genny.mcmath@state.sd.us

enclosures