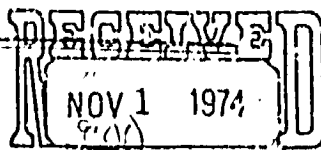


1. Considered 3-19 1975 1284-2
2. Name of Applicant BERNARD J. RAHN
3. Post Office Address MISSION, S.D.
4. Amount of water claimed 15.20
5. Source of water supply GROUND WATER (9 WELLS)
6. Water to be used for IRRIGATION
- Acres to be irrigated 1000
7. Water to be diverted and used in TODD county
about 5W, 12S miles of MISSION
8. Proof of Publication Received 3-17-75
Not Received _____
9. Application Approved _____
Subject to _____
Not Approved _____
Action deferred _____
10. Remarks:

No. 1224.2Water Division No. 2 KEVADNA RIVER District
(Blanks to be filled by the Engineer for the W. R. C.)STATE WATER RIGHTS COM
PIERRE, SOUTH DAKOTA

APPLICATION FOR PERMIT To Appropriate Water within the State of South Dakota

(NOTE—Draw a line through items not applicable.)

1. Name of applicant Bernard K. Rahn
Box 175
 Postoffice address MISSION, County Todd, State South Dakota

I. If a corporation

- (a) Name of same
 (b) Date and place of incorporation
 (c) Amount of capital stock
 (d) Amount paid in
 (e) Names and addresses of directors

(NOTE—A certified copy of articles of incorporation must accompany the application.)

II. Method of accomplishing the work and financial resources of the applicant:

- (a) Method of accomplishing work (Whether by contract, employment of others, or by direct labor)

Contract

- (b) Cash on hand, \$
 (c) Treasury stock, \$
 (d) Bonds to be issued, \$
 (e) Other resources, \$

2. Name of diversion work Bernard K. Rahn Irrigation Works
 3. Amount of water claimed 15.2 cubic feet per second
 4. Source of water supply Ground Water - wells
 5. Location of point of diversion Center of Quarter NE¹, SE¹, SW¹ Sec 28 and SE¹ Sec 31 and NW¹, NE¹, SE¹ Sec. 33 - T32N - R77W and NE¹ Quarter, SE¹ Sec 4 T36N - R79W
Todd County
 6. Annual period or periods during which water is to be used Growing Season
 7. To be used for:

I. Irrigation or domestic use: Gravity, overhead sprinkling or combination system? CP

- (a) Number of acres to be irrigated 1060 acres.

(b) Legal subdivisions to be irrigated Same as 5, above, and attached maps

(NOTE—A list of lands to be irrigated, giving each subdivision and fraction, with acreage thereof, should be written here, or may be appended as a part of this application. Same must also be shown on accompanying map.)

- (c) Statement as to domestic use (giving location, etc.)

II. Stockwatering, mining, milling, power, fish culture, fire protection and public recreation:

- (a) Nature of use
 Name any of the above uses claimed
 (b) Amount of power to be generated horse power.

Amount claimed for engine cooling

- (c) Location of plant
 (d) Method of developing power

- (e) Point where water will be returned to stream

6. Estimated cost of work:

(a) Head Gates, \$

(b) Pumping plant, \$

(c) Flumming, \$

(d) Canalearth, \$

Rock, \$

(e) Other structures \$

Total, \$

6. Description of diversion works:

I. Nature of works: (Reservoir, dam, ditch, flume, pumping plant, etc.)

Well Center Point Irrigation Machine

II. Dimensions of works.

(a) Dam: Height feet; length at bottom feet; length at top

feet; thickness at bottom feet; thickness at top

feet; slope at front water face; slope at back face

material used in construction

(b) Reservoir. Capacity when filled acre feet. Surface area at highwater mark acres.

DEPTH AT OUTLET-FEET	SURFACE AREA AT EACH DEPTH AT OUTLET-ACRES	ACRE-FOOT CAPACITY

(c) * Head gate: Width feet; height feet;
Material

(d) Canal: Total length miles.

LOCATION BELOW HEADGATE	DEPTH	BOTTOM WIDTH	WIDTH AT WATER-LINE	GRADE PER MILE
At Mile	feet	feet	feet	feet
At Mile	feet	feet	feet	feet
At Mile	feet	feet	feet	feet
At Mile	feet	feet	feet	feet
At Mile	feet	feet	feet	feet
At Mile	feet	feet	feet	feet

(Give dimensions where reductions in size are made.)

10. Time required for completion of work Five years.

11. Time required for complete application of water to the proposed beneficial use Five years.

12. Choice of newspaper for publication of notice of intention to appropriate Todd County
Tri-State

STATE OF SOUTH DAKOTA

County of Todd } ss.

I, Bernard K. Rahn, 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, examined the map accompanying the same, and that I know of my own personal knowledge that the matters therein stated and shown are true.

Signed Bernard K. Rahn

Subscribed and sworn to before me this 31st day of October 1924

Shannon King
Notary Public (or other qualified officer.)

*Each diversion must have a headgate or measuring device.

Remarks by State Water ~~Resources~~ ^{RIGHTS} Commission:

-----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.

STATE OF SOUTH DAKOTA
County of HUGHES } 93.

Pierre, South Dakota, MARCH 21, 1975

This is to certify that the foregoing application was received by the Commission at 1:00 o'clock
7 m. upon the 1ST day of NOVEMBER, 1974

State Water Resources Commission

By:

[Signature]
Chief Engineer, Executive Officer

Number of permit 1224-2

Date of first receipt of application NOVEMBER 1, 1974

Date of return to applicant for correction, amendments or changes required as follows DECEMBER 2, 1974

Date of receipt of corrected application DECEMBER 23, 1974

Date from which applicant may claim right NOVEMBER 1, 1974

Approved MARCH 20 19 75, Recorded in Book 13 Page 205

This is to certify that we have examined the foregoing application for a permit to appropriate water of the State of South Dakota, and we hereby grant the same as stated herein, subject, however, to the following limitations and conditions:

1st. The equivalent of 1/4 at least one-fifth of the work above specified is to be completed on or before SEPTEMBER 19 77

2nd. The whole of said work is to be completed on or before MARCH 19 80

3rd. The limit of time for proof of beneficial use of water appropriated in accordance herewith is

MARCH 19 80

4th. The water appropriated shall be used for the purpose of IRRIGATION

5th. 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.

6th. The amount of the appropriation herein granted shall not exceed 15.2 cubic feet per second; neither shall it exceed the capacity of the above described system of diversion works, nor the least amount of water that experience may hereafter indicate as necessary for the production of crops in the exercise of the best husbandry; and further, said appropriation must 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 MARCH 20 80, said water to be used during the following described annual period:

DURING GROWING SEASON

Witness my hand this 21ST day of MARCH, 1975

^{RIGHTS}
State Water ~~Resources~~ Commission

By:

[Signature]
Chief Engineer, Executive Officer

Certificate of Construction Issued _____, 19____

Water License Issued _____, 19____

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

D. Well Information or Estimates

- (1) Drill Hole, Diameter 36", Depth 200'
- (2) Casing, Type Steel Diameter 18 Thickness 1/4"
(wood, concrete, steel, etc)
- (3) Perforated Screen.
Type Steel, Diameter 18, Length 150'
- (4) Gravel Pack, Thickness 10", Length of gravel pack 200'

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 50'

Depth to bottom of water bearing material 200'

Thickness of water bearing material 150'

Depth to water (ground surface to water level) 50'

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

On same owner's property 100 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.

Bernard K. Baker
Signature of Applicant

	WELL	TO OIL WELL	TO NEIGHBOR
SE ⁴	Section 32	500'	3/4 mi
NW ⁴	" 33	500'	1/2 mi
NE ⁴	" 33	500'	1 mi
SE ⁴	" 33	500'	2/4 mi
(SW ⁴)	" 28	1300'	1/2 mi
(SE ⁴)	" 28	1700'	1/2 mi
(SW ⁴)	" 28	1300'	1/2 mi
NE ⁴	" 4	200'	1/2 mi
SE ⁴	" 4	1500'	3/4 mi

Chase Well Drilling, Inc.

AINSWORTH, NEBRASKA 69210 • BLOOMFIELD, NEBRASKA 69718

PHONE 337-1600 • PHONE 373-4770

Bernard Eahn
Mission, S.D. ~~Creekston, Neb.~~
1 mile South of
place, Northwest
quarter, West side
of road

WELL LOG

0	-	20	Sand
20	-	30	Sand
30	-	40	Clay and hard sandstone
40	-	51	Sandstone
51	-	60	Clay streaks and sand
60	-	100	Sandstone
100	-	140	Sandstone and clay streaks
140	-	150	Sandstone
150	-	180	Sand and clay streaks
180	-	188	Sand

800

Chase Well Drilling, Inc.

AINSWORTH, NEBRASKA 69210 - BLOOMFIELD, NEBRASKA 68710

PHONE 337-1580 • PHONE 373-4770

Test Hole # 1

Bernard Rahn

Mission Creek Station - 10-4-84

Lilium / ponce / b / place

Page 2 of 2

73751033 / 4067541

1st hole south of buildings

TEST HOLE

0	-	20	Sand
20	-	40	Sand and clay streaks
40	-	110	Sand
110	-	120	Sand and clay streaks
120	-	140	Sand
140	-	160	Sand and clay streaks
160	-	173	Sand
173	-	182	Sandstone and clay
182	-	200	Red Clay and rock

700

Chase Well Drilling, Inc.

AINSWORTH, NEBRASKA 68210 - BLOOMFIELD, NEBRASKA 68718

PHONE 337-1920 - PHONE 373-1770

Test Hole # 2
Bernard RAhn
North of Cassidy Place

TEST LOG

0	-	10	Sand
10	-	40	Sandstone
40	-	60	Sandstone and clay streaks
60	-	100	First sandstone
109	-	120	Clay
120	-	140	Sandstone and clay streaks
140	-	160	Sand
160	-	180	Sand and clay streaks
180	-	190	Sand
190	-	200	Red clay and rock

600

Chase Well Drilling, Inc.

AINSWORTH, NEBRASKA 68210 - BLOOMFIELD, NEBRASKA 68718

PHONE 387-1630 - PHONE 373-4770

Test Hole # 3
Bernard Egan
Greokaten, Neb.
Mission, S.D.
1 mile South of place
West side of road
Northeast quarter

WELL LOG

0	-	10	Sand
10	-	40	Clay and sandstone
40	-	70	Sandstone
70	-	80	Hard sandstone
80	-	100	Sandstone
100	-	130	Sandstone
130	-	133	Hard sandstone
133	-	140	Sandstone and clay streaks
140	-	155	Sand (good)
155	-	175	Clay
175	-	200	Red rock and clay

1000

December 12, 1974



Mr. Bernard K. Rahn
Mission, SD 57555

Dear Mr. Rahn:

We have received your WI-1 forms and the water analysis has been completed for your application to irrigate in Todd County. A copy of the water analysis and a copy of this letter and the WI-1 forms are being forwarded to the State Conservation Commission.

I note that there is a difference between the two copies of the WI-1 as to the land to be irrigated in Sec 33. One copy suggests that the SW quarter will be irrigated and the other says the SE quarter. I am suggesting that the Conservation Commission clear this up by a telephone call to you to find out for sure which one is to be irrigated or you can write them at Pierre.

There is no chemical difficulty with this water; it is very excellent from the standpoint of both total salts and sodium content. Therefore, you should experience no difficulty as far as soil properties and water quality are concerned. However, I would caution you that most of the soils you intend to irrigate have low water holding capacity, and the capability for sustained water supply to row crops without weekly irrigation as a minimum is very low indeed. Thus, I would tend to favor the use of small grains, pasture, and hayland on these soils rather than row crops.

Sincerely yours,

L. O. Fine
Water Quality Lab

LOP:111

Enclosures

CC: State Conservation Commission

Kenneth Stephens, Todd County Agent

Darrel Pahl

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 ONLY
Irrigation System: _____
Water Quality: _____
Soils Capability: _____
Approved: [Signature]
Disapproved: _____

NAME: Bernard K Rahn
ADDRESS: Mission, South Dakota 57555
COUNTY: Todd

LEGAL DESCRIPTION

1. WELL LOCATION: Center, E Quarter NE¹ SE⁴ SW⁴ Sec. 31 and SE⁴ Sec. 31 and NW⁴ NE⁴ SW⁴ Sec. 33 Township: P 37N, Range 29 West and NE⁴ 1/4 Quarter, SE⁴ Sec. 4 Township
2. AREA TO BE IRRIGATED: 1660 Acres 36N, Range 29 West

TYPE OF IRRIGATION

3. GRAVITY SPRINKLER (Indicate Type): Center Pivot
4. CROPS TO BE IRRIGATED: Row crops, Small Grain, Pasture & Hayland

LAND CAPABILITY FOR IRRIGATION

5. PERCENTAGE OF SLOPE: 0-2% 2-4% 0-2%
6. PHYSICAL SOILS CLASSIFICATION FOR IRRIGATION: Th - Minor wind and water erosion hazard
Th - Moderate wind and water erosion hazard Th - Low water holding capacity of soil limits amounts of irrigation - leaching hazard.

WATER QUALITY (TO BE COMPLETED BY COMMISSION)

7. SAMPLE NO.: 24-975
8. SALINITY: EC = 345 microhm/cm (low-salt)
9. SODIUM: SAR = 0.17 (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

Todd County Conservation District

and:

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

Bernard K. Baker

Subscribed and sworn before me this

31 day of Oct 1976.

Thomas R. King

(Title)

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 ONLY

Irrigation System: _____

Water Quality: _____

Soils Capability: _____

Approved: [Signature]

12/30/55

Disapproved: _____

NAME: Bernard K. Rahn

ADDRESS: Missoula, South Dakota 57555

COUNTY: Todd

LEGAL DESCRIPTION

1. WELL LOCATION: Center of Quarter NE¹ SE¹ SW¹ Sec 28 and SE¹ Sec 34 and NW¹ NE¹ SE¹ Sec 33 Township 137N, Range 29 West and NE¹ Quarter, SE¹ Sec 4 Township
2. AREA TO BE IRRIGATED: 1060 Acres 36N Range 29 West

TYPE OF IRRIGATION

3. GRAVITY SPRINKLER (Indicate Type): Center Pivot
4. CROPS TO BE IRRIGATED: Row Crops, Small Grain, Pasture & Hayland

LAND CAPABILITY FOR IRRIGATION

5. PERCENTAGE OF SLOPE: 0-2 Hc 2-6 Hc 0-2 Hcs
6. PHYSICAL SOILS CLASSIFICATION FOR IRRIGATION: Hc - Minor wind and water erosion hazard
Hc - Moderate wind and water erosion hazard Hcs Low water holding capacity of soil limits amounts of irrigation - leaching hazard.

WATER QUALITY (TO BE COMPLETED BY COMMISSION)

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

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

the land capability for irrigation information has been acquired from

Todd County Conservation District

and:

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

Bernard K. Palmer

Subscribed and sworn before me this

31st day of Oct 1976.

J. J. Long
(Title)

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

Submitted by: LEONARD K. ALLEN
 Address: Box 425
Union, SD 57555

Date Rec'd: December 4, 1974
 Sample No.: 76-273
 Identification: 111-

WATER ANALYSIS

Calcium (Ca)	52	ppm*	2.60	me/l**
Magnesium (Mg)	11	ppm	0.90	me/l
Sodium (Na)	5	ppm	0.22	me/l
Potassium (K)	3	ppm	0.21	me/l
Sulfate (SO ₄)	2	ppm	0.04	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	0	ppm	0.00	me/l
Bicarbonate (HCO ₃)	227	ppm	3.72	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)	136	ppm (as CaCO ₃)		
Alkalinity (Phenolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	345	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	0.17			
Sodium	5.59	% of cations		
Residual sodium carbonate	0.22	me/l		
pH	7.43			
Others:				

*ppm=parts per million

**me/l=milliequivalents per liter

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

COMMENTS: Total cations 3.93 me/l
 Total anions 3.73 me/l

By: Shirley Pittman

Service Performed	Amount Due
Irrigation analysis	\$6.00

Make checks payable to: Water Quality Laboratory

Cut along dotted line and return the lower portion with payment

Sample No. 76-273

Amount Enclosed \$

Signed

Sec 28 - SW SW NE
 12.5 10 40 100

26

132
 132
 132

132
 105
 112

Cherry to 600.00 cont.

396

396

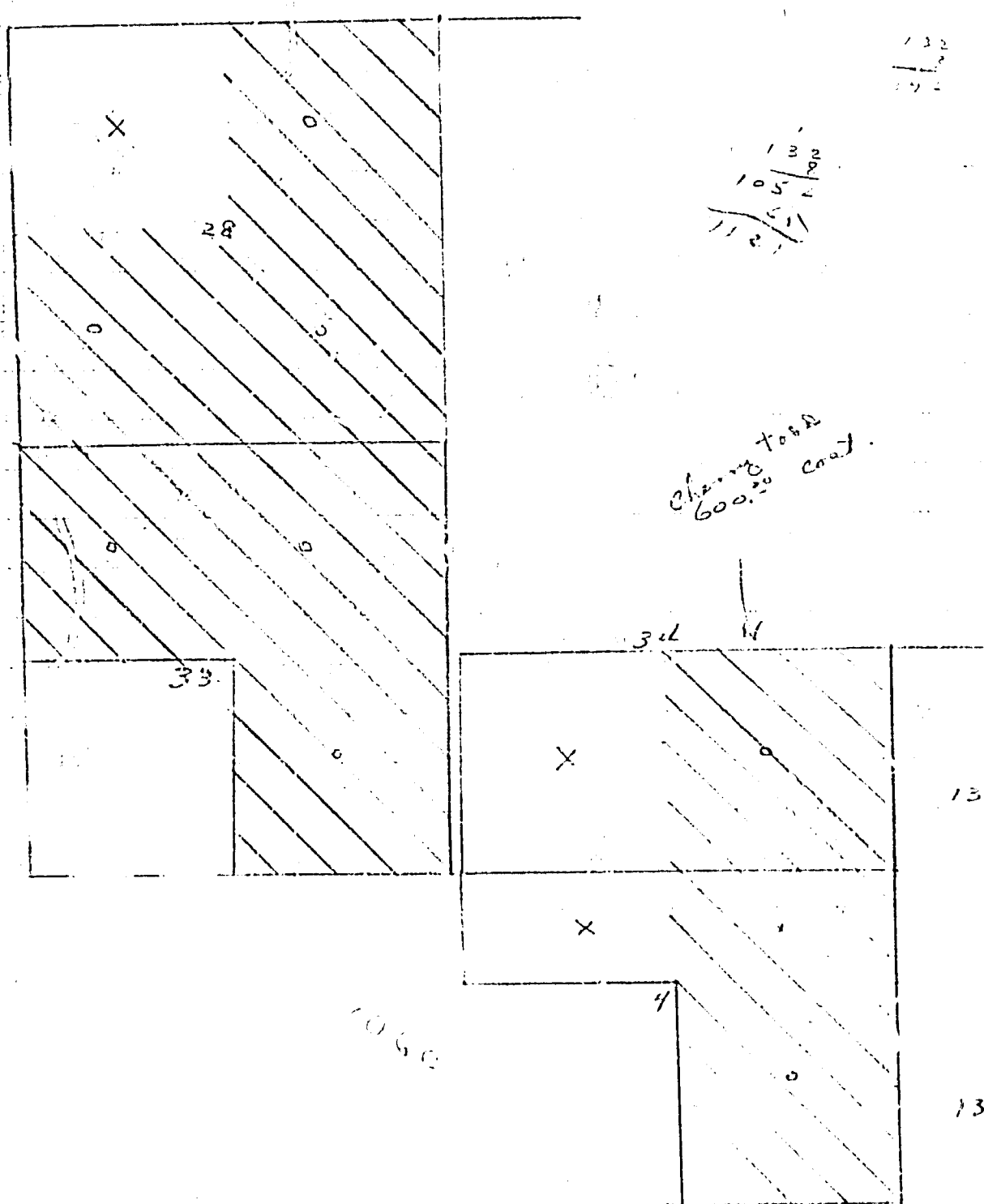
33

34

132

132

1060





United States Department of the Interior
OFFICE OF THE SOLICITOR

ROOM 211 - FEDERAL BUILDING
P.O. BOX 549
ABERDEEN, SOUTH DAKOTA 57401

Reference:
Water Rights
341.7

RECEIVED

MAR 10 1975

**MAR 7 1975 DEPT. OF NATURAL
RESOURCE DEVELOPMENT**

Mr. Burton F. Jones
Water Rights Specialist
Water Rights Commission
Pierre, South Dakota 57501

Dear Mr. Jones:

The Area Director, Bureau of Indian Affairs, has advised that on March 19, 1975, at 2:30 p.m., a Hearing will be held in the office of the Water Rights Commission, at Pierre, South Dakota, on the application of Bernard K. Rahn, of Mission, South Dakota, for a permit to appropriate for beneficial use 11.2 cubic feet of water per second of time from ground water, the points of diversion being the center of the SE $\frac{1}{4}$ Sec. 34; NW $\frac{1}{4}$, NE $\frac{1}{4}$ and SE $\frac{1}{4}$, Sec. 33; NE $\frac{1}{4}$, SE $\frac{1}{4}$ and SW $\frac{1}{4}$, Sec. 28, T. 37 N., R. 29 W., and NE $\frac{1}{4}$ and SE $\frac{1}{4}$, Sec. 4, T. 36 N., R. 29 W., for the purpose of irrigation.

This letter will serve as our written objection to such application for a permit to appropriate ground water from lands within the boundaries of the Rosebud Indian Reservation. The issuance of such permit would be contrary to established law, which declares that the State lacks jurisdiction with respect to the adjudication of the waters of, or the lands within, the exterior boundaries of an Indian Reservation. See 25 U.S.C.A., Sec. 381; Winters v. United States, 207 U.S. 564, 28 S.Ct. 207; United States v. Powers, 94 F.2d 733; United States v. McIntire, 101 F.2d 650; and United States v. Alexander, 131 F.2d 359.

In filing this objection to the issuance of such proposed permit and in writing this letter to you, we do not waive our right to challenge the State's jurisdiction by legal action or otherwise, and merely intend to call the State's attention to the fact that the State lacks jurisdiction in this matter.

Very truly yours,

Wallace G. Duker
Wallace G. Duker
Field Solicitor

cc: Office of the Area Director, Aberdeen
Superintendent, Rosebud Agency, Rosebud, South Dakota
Mr. Parnell Hagen, Area Soil Conservationist, BIA, Aberdeen, S. D.
Mr. Bernard K. Rahn, Mission, South Dakota

Form 6 - Notice of Intent to Appropriate Water

No. 1224-2

Publish first publication, on or before March 6, 1975

NOTICE
INTENT TO APPROPRIATE WATER

Pierre, South Dakota 57501

February 25, 1975

Bernard X. Rahn

Notice is hereby given that

whose post office address is Mission, 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

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

Rahn Irrigation Project, the point of diversion of which is to be located in the center of the following: SE $\frac{1}{4}$, Section 34; NW $\frac{1}{4}$, NE $\frac{1}{4}$ and SE $\frac{1}{4}$, Section 33; NE $\frac{1}{4}$, SE $\frac{1}{4}$ and SW $\frac{1}{4}$, Section 28, T37N, R29W and NE $\frac{1}{4}$ and SE $\frac{1}{4}$

of Section 4, Twp. 36N, Range 29W. Said water to be used for the purpose of providing irrigation on portions of the following described land:

SE $\frac{1}{4}$, Section 34, NW $\frac{1}{4}$, E $\frac{1}{4}$, Section 33; SW $\frac{1}{4}$, E $\frac{1}{4}$, Section 28, all in T37N, R29W, and E $\frac{1}{4}$, Section 4, T36N, R29W

This application No. 1224-2 will be considered by the Water Rights Commission at its office at Pierre upon the 19th day of March, 1975, at 2:30 P. M. All interested persons may appear and be heard.

WATER RIGHTS COMMISSION

By:

BURTON F. JONES
Water Rights Specialist

BFJ/bw

cc: Bernard K. Rahn, Box 435, Mission, South Dakota 57555

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

No. 1724-7

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)

County Ladd) ss.

I, Paula V. Coleman hereby

certify that the annexed printed copy of Notice of Intent to Appropriate

Water was taken from the Ladd Co. 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 _____

City Mission of Mission

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

Mar 6 & 13, 1975

Paula V. Coleman
(Signature)

Bookkeeper
(Title)

3/14/75
(Date Signed)

Notice of Intent to
Appropriate Water

Notice is hereby given that
Bernard K. Rahn whose post
office address is Mission, South
Dakota, has made an application
in accordance with the provi-
sions of the water laws of South
Dakota for a permit to appropri-
ate for beneficial use 15.2 cubic
feet of water per second of time
from ground water through the
Rahn Irrigation Project, the
points of diversion of which are
to be located in the center of the
following: SE¹/₄ Section 34;
NW¹/₄, NE¹/₄, and SE¹/₄ Section 33;
NE¹/₄, SE¹/₄, and SW¹/₄ Section 28,
T37N, R29W and NE¹/₄ and SE¹/₄
of Section 4, Twp. 36N, Range
29W. Said water to be used for the
purpose of providing irrigation
on portions of the following
described land:

SE¹/₄ Section 34; NW¹/₄, E¹/₂
Section 33; SW¹/₄, E¹/₂ Section 28;
ALL in T37N, R29W; and E¹/₂
Section 4, T36N, R29W.

This application No. 1224-2 will
be considered by the Water
Rights Commission at its office
at Pierre upon the 19th day of
March, 1975, at 2:30 P.M. All
interested persons may appear
and be heard.

Water Rights
Commission

By: Burton F. Jones

Water Rights

Specialist

Publ. Mar. 6 & 13

1975

STATE OF SOUTH DAKOTA

 **Department of
Water & Natural Resources**

Ir. Rosa Building Water Rights Division
Pierre, South Dakota 57501

Phone (605) 773-3352

March 24, 1982

Mission Farms,
Box 510
Tilden NE 68781

Dear Sir:

Please find enclosed a copy of our Form 20, Notice of Transfer of Water Permit. This must be signed by the owner before a notary public and returned to this office with a fee of Two Dollars and Fifty Cents (\$2.50).

Upon receipt of the Form 20 and the \$2.50 filing fee the permit will be transferred to the proper name.

Please advise this office if you have any questions.

Sincerely,

KAREN SCHLAACK
Administrative Secretary

RECEIPT

WATER RIGHTS COMMISSION
State of South Dakota

No 4 8790

PIERRE, April 2, 1982

RECEIVED OF Mission Farms, Vincent F. Morabito, Box 510, Tilden, NE 68781

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 Transfer of WR #1224-2	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		

WATER RIGHTS COMMISSION

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

NOTICE OF TRANSFER OF WATER PERMIT

TO: Water Rights
Foss Building
Pierre, SD 57501

Date: _____

This is to notify you that the title to the lands described as follows:

SE 1/4 Section 34, NW 1/4, E 1/2 Section 33, SW 1/4, E 1/2 Section 28, T37N, R 29W
and E 1/2 Section 4, T36N, R29W

formerly owned by Bernard K. Rahn

has been transferred to Mission Farms, Box 510, Tilden NE 68781

together with any rights to the beneficial use of water thereon as evidenced by

Water Right Permit No. 1224-2 as provided for in SDCL 46-5-32 and 46-5-33.

You are therefore hereby requested to file this "Notice of Transfer of Water Permit" in its appropriate file at the Office of Water Rights, Water Management Board as evidence of the change of ownership.

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

STATE OF SOUTH DAKOTA)
County of Todd) ss.

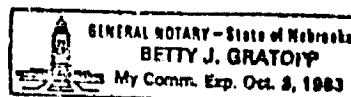
I, Vincent F. Marabito being first duly sworn on my oath depose and say: That my relation to the above described undertaking is that of Owner, that I have read the above foregoing statement, and I know of my own personal knowledge that the information herein stated is true.

Mission Farms by
Vincent F. Marabito
(Signed)

Subscribed and sworn to before me this 30 Day of March, 1982



Betty J. Grato
(Notary Public)



1224-2
1321-2
1322-2

WATER RIGHTS DIVISION
(605) 773-3352

February 15, 1984

Mission Farms
c/o Vincent Morabito
Box 510
Tilden, Nebraska 68781

Dear Mr. Morabito:

This letter is in regard to the inspection and licensing of Mission Farms Water Permit Nos. 1224-2, 1321-2 and 1322-2 in Todd County, South Dakota.

The following applications and information must be submitted before licensing can be completed:

1. Permit #1224-2
Construction records for wells in SE $\frac{1}{4}$ of Section 4, T36, R29; NE $\frac{1}{4}$ NW $\frac{1}{4}$ and SE $\frac{1}{4}$ of Section 33, T37, R29; SE $\frac{1}{4}$ of Section 34, T37, R29 and NE $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 28, T37, R29.
2. Permit #1321-2 and 1322-2
Soil/Water Compatibility application (form WI-1) for lands irrigated in NW $\frac{1}{4}$ Section 28 and SW $\frac{1}{4}$ of Section 34, T37, R29. The Department of Agriculture will mail this form to you.

Application for the additional well (east well) in SW $\frac{1}{4}$ of Section 34, T37, R29. The original application No. 1322-2 included only one well in SW $\frac{1}{4}$ Section 34, T37, R29. This application will require a \$50.00 fee.

If you have any questions, feel free to call this office.

Sincerely,

Frank Smith
Water Resources Engineer

FS:ms

cc: Jim Stukel



**Department of
Water & Natural Resources**

Joe Foss Building
623 East Capitol
Pierre, South Dakota 57501

Division of Water Rights
605 773-3352

No. 1224-2

August 23, 1985

Mission Farms
c/o Charles Rick Johnson, Wally Eklund &
David Vrooman
405 Main
Gregory, South Dakota 57533

Dear Sirs:

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. 1224-2 has been completed. Your final water right document, the Water License, can now be issued.

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.

South Dakota Water Law 46-5-30.1 requires that a permit holder may not divert water until this \$50.00 license fee has been paid. Please contact us if you have any questions.

Sincerely,

Maxine Stirling
Staff Ass'tant

NOTE: On form of payment, please include the number of the water permit. This insures proper handling of the fee.

DWNR-814 8/83

G. F. JOHNSON (1910-1971)
RICK JOHNSON
WALLY EKLUND
GARY E. DAVIS

JOHNSON, EKLUND AND DAVIS

ATTORNEYS AT LAW
GREGORY, SOUTH DAKOTA 57533-0142

P. O. BOX 142
TELEPHONE NUMBER 835-8391
AREA CODE 605

August 27, 1985

Maxine Stirling
Staff Assistant
S.D. Dept. of Water & Natural Resources
523 East Capitol
Pierre, South Dakota 57501

ATTENTION: Maxine Stirling
Staff Assistant
Division of Water Rights

Dear Ms. Stirling:

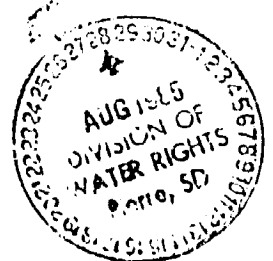
Pursuant to your letter of August 23, 1985 regarding Mission Farms and Water Right No. 1224-2, I am enclosing a \$50 check. If there is anything additionally that you need on this, please call me (Wally Eklund) at 835-8391.

Sincerely,


Wally Eklund

WE:cs

Enclosure



RECEIPT

Division of Water Rights

No. 4-10165-

South Dakota Department of Water and Natural Resources

Pierre, August 20, 1935

RECEIVED OF Mission Farms, Box 149, Gregory, SD 57533, (Hally Island)

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. 1224-2	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

RECEIVED
REDUCED
ROLL NO. 2-1-1
DATE MICROFILMED
CAMERA OPERATOR



No. 1224-2

Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501

WATER RIGHTS DIVISION
Phone (605) 773-3352

NOV 27 1985

Mission Farms
Box 149
Gregory, South Dakota 57533

Dear Sir:

Enclosed herewith is, Water License No. 1224-2. 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,

JOHN HATCH, Chief Engineer
Water Rights Division

JH:ms

Enclosures

WNR-817 3/83

Transmittal of Water License

LICENSE FOR PERMIT NUMBER 1224-2 Mission Farms

1. Legal location of wells: SW⁴ 28 Co. D 1360N 1360E SW 2-28-37-29

dams & structures: _____

2. Well Information: Well Drilling Firm Clos

No. of wells 1 Depth _____

Casing a) diameter 1 1/2 Screen a) type _____
b) length 5 b) length _____
c) type 5/8" / Static Water Level _____

Pump a) make Fairbanks - Morse Motor a) make US
b) model N2X 2806365 X b) model no. R 2129039
c) size 12 1/4 c) horsepower rating 100
d) capacity _____ GPM d) motor efficiency rating _____
e) turbine pump no. of stages 3

3. Distribution lines:
a) size of lines _____
b) type _____
c) length _____

4. Dam Information:
a) height to crest _____
b) height to spillway _____
c) crest width _____
d) crest length _____
e) spillway length _____
f) spillway width _____
g) approx. storage _____
h) Distribution lines or canals:
1) size _____
2) type _____
3) length _____

i) Outlet tubes:
1) diameter _____
2) type _____
3) valued (Y/N) _____
4) valve type _____
5) location on structure _____

5. System Type: a) sideroll:
1) length _____ feet
2) diameter of pipe _____
3) make, model & number of sprinklers _____
4) spacing of sprinklers _____
5) nozzle size _____

b) towline:
1) length _____ feet
2) make, model & number of sprinklers _____
3) spacing of sprinklers _____
4) nozzle size _____

5. System Type: c) center pivot

- 1) make Floating
- 2) number of towers 10
- 3) distance between towers 130
- 4) overall length 1360
- 5) End gun (Y/N) yes
- 6) high or low pressure high
- 7) make & size of nozzles _____
- 8) PSI reading while system is running 70
- 9) GPM 800

g) Gun

- 1) make _____
- 2) serial number _____
- 3) nozzle size _____
- 4) capacity (GPM) _____
- 5) PSI _____
- 6) hose size _____
- 7) hose length _____

d) Gate Pipe

- 1) length _____
- 2) diameter _____
- 3) spacing of gates _____

e) Siphons

- 1) number _____
- 2) size _____

f) Portable boom

- 1) make _____
- 2) serial number _____
- 3) nozzle size _____
- 4) capacity (GPM) _____
- 5) PSI _____

h) Hydromatic

- 1) make _____
- 2) model _____
- 3) serial number _____
- 4) length _____
- 5) nozzle size _____
- 6) spacing _____
- 7) PSI _____
- 8) capacity (GPM) _____

YES NO Check Items

- | | | |
|-------------------------------------|--------------------------|---|
| ☒ | ☐ | 1. Soil and water permit lands agree with lands being irrigated and lands listed on permit. |
| ☒ | ☐ | 2. Special Qualifications to permit being abided by. |
| ☒ | ☐ | 3. All Structures, wells and lands on map. |

REMARKS:

Land Irrigated - SW⁴ 28-37-29

NE⁴ SW⁴ - 34-5

NW⁴ SW⁴ - 33-8

SW⁴ SW⁴ - 33-6

SE⁴ SW⁴ - 33-0

LICENSE FOR PERMIT NUMBER 1229-2 Mission Farms

1. Legal location of wells: NE⁴ 28

dams & structures: _____

2. Well Information: Well Drilling Firm Chase

No. of wells 1 Depth _____

Casing a) diameter 1 1/2" Screen a) type _____
b) length _____ b) length _____
c) type Steel Static Water Level _____

Pump a) make Fairbanks-Morse Motor a) make 1. S.
b) model N2X280636X b) model no. R2090649
c) size 1251 c) horsepower rating 7.5
d) capacity _____ GPM d) motor efficiency rating _____
e) turbine pump
no. of stages 3

3. Distribution lines:
a) size of lines 8"
b) type Steel
c) length 30' above ground

4. Dam Information:
a) height to crest _____
b) height to spillway _____
c) crest width _____
d) crest length _____
e) spillway length _____
f) spillway width _____
g) approx. storage _____
h) Distribution lines or canals:
1) size _____
2) type _____
3) length _____

1) Outlet tubes:
1) diameter _____
2) type _____
3) valued (Y/N) _____
4) valve type _____
5) location on structure _____

5. System Type: a) sizeroll:
1) length _____ feet
2) diameter of pipe _____
3) make, model & number of sprinklers _____
4) spacing of sprinklers _____
5) nozzle size _____

b) towline:
1) length _____ feet
2) make, model & number of sprinklers _____
3) spacing of sprinklers _____
4) nozzle size _____

5. System Type: c) center pivot

- 1) make F.L. Tregator
- 2) number of towers 8
- 3) distance between towers 170
- 4) overall length 1360
- 5) End gun (Y/N) yes
- 6) high or low pressure high
- 7) make & size of nozzles _____
- 8) PSI reading while system is running 20
- 9) GPM 800

g) Gun

- 1) make _____
- 2) serial number _____
- 3) nozzle size _____
- 4) capacity (GPM) _____
- 5) PSI _____
- 6) hose size _____
- 7) hose length _____

d) Gate Pipe

- 1) length _____
- 2) diameter _____
- 3) spacing of gates _____

e) Siphons

- 1) number _____
- 2) size _____

f) Portable boom

- 1) make _____
- 2) serial number _____
- 3) nozzle size _____
- 4) capacity (GPM) _____
- 5) PSI _____

h) Hydromatic

- 1) make _____
- 2) model _____
- 3) serial number _____
- 4) length _____
- 5) nozzle size _____
- 6) spacing _____
- 7) PSI _____
- 8) capacity (GPM) _____

YES

NO

Check Items

☒
☒
☒

☐
☐
☐

1. Soil and water permit lands agree with lands being irrigated and lands listed on permit.
2. Special Qualifications to permit being abided by.
3. All Structures, wells and lands on map.

REMARKS:

Land Irrigated: NE⁴ 28-37-29

NE⁴ NE⁴ - 34.8

NW⁴ NE⁴ - 34.7

SW⁴ NE⁴ - 21.8

SE⁴ NE⁴ - 32.5

123.8

LICENSE FOR PERMIT NUMBER 1229-2

14133-0100 Form 3

1. Legal location of wells: SE 1/4 28

dams & structures: _____

2. Well Information: Well Drilling Firm _____

No. of wells 1

Depth _____

Casing a) diameter 16"

b) length _____

c) type Steel

Screen a) type _____

b) length _____

Static Water Level _____

Pump

a) make Fairbanks-Morse

b) model N2X2801365X

c) size 12 HP

d) capacity _____

e) turbine pump

no. of stages 3

Motor

a) make U-S

b) model no. N5002998

c) horsepower rating 75

d) motor efficiency rating _____

3. Distribution lines:

a) size of lines _____

b) type _____

c) length _____

4. Dam Information:

a) height to crest _____

b) height to spillway _____

c) crest width _____

d) crest length _____

e) spillway length _____

f) spillway width _____

g) approx. storage _____

h) Distribution lines or canals:

1) size _____

2) type _____

3) length _____

i) Outlet tubes:

1) diameter _____

2) type _____

3) valued (Y/N) _____

4) valve type _____

5) location on structure _____

5. System Type: a) sizeroll:

1) length _____ feet

2) diameter of pipe _____

3) make, model & number of sprinklers _____

4) spacing of sprinklers _____

5) nozzle size _____

b) towline:

1) length _____ feet

2) make, model & number of sprinklers _____

3) spacing of sprinklers _____

4) nozzle size _____

5. System Type: c) center pivot

- 1) make Flectro 701
- 2) number of towers 8
- 3) distance between towers 170
- 4) overall length 1360
- 5) End gun (Y/N) N=Low
- 6) high or low pressure high
- 7) make & size of nozzles _____
- 8) PSI reading while system is running 70
- 9) GPM 800

g) Gun

- 1) make _____
- 2) serial number _____
- 3) nozzle size _____
- 4) capacity (GPM) _____
- 5) PSI _____
- 6) hose size _____
- 7) hose length _____

d) Gate Pipe

- 1) length _____
- 2) diameter _____
- 3) spacing of gates _____

e) Siphons

- 1) number _____
- 2) size _____

f) Portable boom

- 1) make _____
- 2) serial number _____
- 3) nozzle size _____
- 4) capacity (GPM) _____
- 5) PSI _____

h) Hydromatic

- 1) make _____
- 2) model _____
- 3) serial number _____
- 4) length _____
- 5) nozzle size _____
- 6) spacing _____
- 7) PSI _____
- 8) capacity (GPM) _____

YES NO Check Items

- | | | |
|-------------------------------------|--------------------------|---|
| ☒ | ☐ | 1. Soil and water permit lands agree with lands being irrigated and lands listed on permit. |
| ☒ | ☐ | 2. Special Qualifications to permit being abided by. |
| ☒ | ☐ | 3. All Structures, wells and lands on map. |

REMARKS:

Land Irrigated: SE⁴28-37-29

NE⁴SE⁴-34.1

NW⁴SE⁴-34.5

SW⁴SE⁴-34.4

SE⁴SE⁴-33.8

136.8

LICENSE FOR PERMIT NUMBER 1224-2

1. Legal location of wells: SF 33

dams & structures: _____

2. Well Information: Well Drilling Firm Chase

No. of wells 1 Depth _____

Casing a) diameter 1 1/4" Screen a) type _____
b) length _____ b) length _____
c) type steel Static Water Level _____

Pump a) make ~~FAIRBANKS~~ Fairbanks Morse Motor a) make 11.5
b) model N 2x2806365X b) model no. RXA718-00-663
c) size 12M c) horsepower rating 75
d) capacity 800 GPM d) motor efficiency rating _____
e) turbine pump
no. of stages 3

3. Distribution lines:
a) size of lines _____
b) type _____
c) length _____

4. Dam information:
a) height to crest _____
b) height to spillway _____
c) crest width _____
d) crest length _____
e) spillway length _____
f) spillway width _____
g) approx. storage _____
h) Distribution lines or canals:
1) size _____
2) type _____
3) length _____

i) Outlet tubes:
1) diameter _____
2) type _____
3) valued (Y/N) _____
4) valve type _____
5) location on structure _____

5. System Type: a) sideroll:
1) length _____ feet
2) diameter of pipe _____
3) make, model & number of sprinklers _____
4) spacing of sprinklers _____
5) nozzle size _____

b) towline:
1) length _____ feet
2) make, model & number of sprinklers _____
3) spacing of sprinklers _____
4) nozzle size _____

5. System Type: c) center pivot

- 1) make Electrojet
- 2) number of towers 8
- 3) distance between towers
170
- 4) overall length 1360
- 5) End gun (Y/N) Yes
- 6) high or low pressure High
- 7) make & size of nozzles
- 8) PSI reading while system is
running 70
- 9) GPM 2000

g) Gun

- 1) make
- 2) serial number
- 3) nozzle size
- 4) capacity (GPM)
- 5) PSI
- 6) hose size
- 7) hose length

d) Gate Pipe

- 1) length
- 2) diameter
- 3) spacing of gates

e) Siphons

- 1) number
- 2) size

f) Portable boom

- 1) make
- 2) serial number
- 3) nozzle size
- 4) capacity (GPM)
- 5) PSI

h) Hydraulic

- 1) make
- 2) model
- 3) serial number
- 4) length
- 5) nozzle size
- 6) spacing
- 7) PSI
- 8) capacity (GPM)

YES

NO

Check Items

- | | | |
|-------------------------------------|--------------------------|---|
| ☒ | ☐ | 1. Soil and water permit lands agree with lands being irrigated and lands listed on permit. |
| ☒ | ☐ | 2. Special Qualifications to permit being abided by. |
| ☒ | ☐ | 3. All Structures, wells and lands on map. |

REMARKS:

Land irrigated - SE⁴ 33-37-29

NE⁴ SE⁴ - 33.0
NW⁴ SE⁴ - 35.0
SW⁴ SE⁴ - 33.5
SE⁴ SE⁴ - 33.1

134.6

LICENSE FOR PERMIT NUMBER 1224-2

1700 W. Farm S

1. Legal location of wells: NW 1/4 33

dams & structures: _____

2. Well Information: Well Drilling Firm _____

No. of wells _____

Depth _____

Casing a) diameter _____

b) length _____

c) type _____

Screen a) type _____

b) length _____

Static Water Level _____

Pump

a) make

b) model

c) size

d) capacity

e) turbine pump

no. of stages

Motor

a) make

b) model no.

c) horsepower rating

d) motor efficiency rating

3. Distribution lines:

a) size of lines

b) type

c) length

4. Dam Information:

a) height to crest

b) height to spillway

c) crest width

d) crest length

e) spillway length

f) spillway width

g) approx. storage

h) Distribution lines or canals:

1) size

2) type

3) length

i) Outlet tubes:

1) diameter

2) type

3) valued (Y/N)

4) valve type

5) location on structure

5. System Type: a) sideroll:

1) length _____ feet

2) diameter of pipe

3) make, model & number of sprinklers

4) spacing of sprinklers

5) nozzle size

b) towline:

1) length _____ feet

2) make, model & number of sprinklers

3) spacing of sprinklers

4) nozzle size

5. System Type: c) center pivot

- 1) make Floetregator
- 2) number of towers 8
- 3) distance between towers 170
- 4) overall length 1360
- 5) End gun (Y/N) yes
- 6) high or low pressure high
- 7) make & size of nozzles _____
- 8) PSI reading while system is running 70
- 9) GPM 800

g) Gun

- 1) make _____
- 2) serial number _____
- 3) nozzle size _____
- 4) capacity (GPM) _____
- 5) PSI _____
- 6) hose size _____
- 7) hose length _____

d) Gate Pipe

- 1) length _____
- 2) diameter _____
- 3) spacing of gates _____

e) Siphons

- 1) number _____
- 2) size _____

f) Portable boom

- 1) make _____
- 2) serial number _____
- 3) nozzle size _____
- 4) capacity (GPM) _____
- 5) PSI _____

h) Hydromatic

- 1) make _____
- 2) model _____
- 3) serial number _____
- 4) length _____
- 5) nozzle size _____
- 6) spacing _____
- 7) PSI _____
- 8) capacity (GPM) _____

YES

NO

Check Items

☒
☒
☒

☐
☐
☐

1. Soil and water permit lands agree with lands being irrigated and lands listed on permit.
2. Special Qualifications to permit being abided by.
3. All Structures, wells and lands on map.

REMARKS:

Land irrigated - NW 1/4 33-37-29
NE 1/4 NW 1/4 - 35.0
NW 1/4 NW 1/4 - 34.8
SW 1/4 NW 1/4 - 34.3
SE 1/4 NW 1/4 - 34.5
138.6

REPRODUCTION, REDUCTION

ROLL NO. 14

DATE MICROFILMED

CAMERA OPERATOR

LICENSE FOR PERMIT NUMBER 1124.2

1. Legal location of wells: NE⁴ 33

dams & structures: _____

2. Well Information: Well Drilling Firm Chase

No. of wells _____ Depth 1

Casing a) diameter 16" Screen a) type _____

b) length _____ b) length _____

c) type steel Static Water Level _____

Pump a) make Western Lead Roller Motor a) make 11.5

b) model C 76910 b) model no. N 500 2928

c) size 10 C c) horsepower rating 75

d) capacity _____ GPH d) motor efficiency rating _____

e) turbine pump no. of stages 8

3. Distribution lines:

a) size of lines 6"

b) type steel

c) length 50' above ground

4. Dam Information:

a) height to crest _____

b) height to spillway _____

c) crest width _____

d) crest length _____

e) spillway length _____

f) spillway width _____

g) approx. storage _____

h) Distribution lines or canals:

1) size _____

2) type _____

3) length _____

i) Outlet tubes:

1) diameter _____

2) type _____

3) valued (Y/N) _____

4) valve type _____

5) location on structure _____

5. System Type: a) sideroll:

1) length _____ feet

2) diameter of pipe _____

3) make, model & number of sprinklers _____

4) spacing of sprinklers _____

5) nozzle size _____

b) towline:

1) length _____ feet

2) make, model & number of sprinklers _____

3) spacing of sprinklers _____

4) nozzle size _____

5. System Type: c) center pivot

- 1) make Electrogon
- 2) number of towers 7
- 3) distance between towers
170
- 4) overall length ~~4200~~ 1250
- 5) End gun (Y/N) Yes - 12 inch
- 6) high or low pressure High
- 7) make & size of nozzles

- 8) PSI reading while system is
running 70
- 9) GPM 800

g) Gun

- 1) make _____
- 2) serial number _____
- 3) nozzle size _____
- 4) capacity (GPM) _____
- 5) PSI _____
- 6) hose size _____
- 7) hose length _____

d) Gate Pipe

- 1) length _____
- 2) diameter _____
- 3) spacing of gates _____

e) Siphons

- 1) number _____
- 2) size _____

f) Portable boom

- 1) make _____
- 2) serial number _____
- 3) nozzle size _____
- 4) capacity (GPM) _____
- 5) PSI _____

h) Hydromatic

- 1) make _____
- 2) model _____
- 3) serial number _____
- 4) length _____
- 5) nozzle size _____
- 6) spacing _____
- 7) PSI _____
- 8) capacity (GPM) _____

YES NO

Check Items

1. Soil and water permit lands agree with lands being irrigated and lands listed on permit.
2. Special Qualifications to permit being abided by.
3. All Structures, wells and lands on map.

REMARKS:

Land irrigated: NE⁴ 33-37-29

NE⁴ NE⁴ - 33.2

NE⁴ NE⁴ - 35.5

SW⁴ NE⁴ - 34.6

SF⁴ NE⁴ - 33.2

136.5

LICENSE FOR PERMIT NUMBER 1224-2 Missouri Form 5

1. Legal location of wells: S. 4 1360 N 1360 E of SE. Corner 4-36.29

dams & structures: _____

2. Well Information: Well Drilling Firm Chase

No. of wells 1 Depth _____

Casing a) diameter 16"

Screen a) type _____

b) length _____

b) length _____

c) type _____

Static Water Level _____

Pump

a) make Hydco Turbine

Motor

a) make U.S.

b) model Type 12 Ch 12527

b) model no. A9981-00-00 R2108439

c) size _____

c) horsepower rating 100

d) capacity 800 GPM

d) motor efficiency rating _____

e) turbine pump

no. of stages 5

3. Distribution lines:

a) size of lines 8"

b) type Steel

c) length 30' about 200'

4. Dam Information:

a) height to crest _____

b) height to spillway _____

c) crest width _____

d) crest length _____

e) spillway length _____

f) spillway width _____

g) approx. storage _____

h) Distribution lines or canals:

1) size _____

2) type _____

3) length _____

i) Outlet tubes:

1) diameter _____

2) type _____

3) valued (Y/N) _____

4) valve type _____

5) location on structure _____

5. System Type: a) sideroll:

1) length _____ feet

2) diameter of pipe _____

3) make, model & number of sprinklers _____

4) spacing of sprinklers _____

5) nozzle size _____

b) towline:

1) length _____ feet

2) make, model & number of sprinklers _____

3) spacing of sprinklers _____

4) nozzle size _____

5. System Type: c) center pivot

- 1) make Fletcher Model 2-6ES
- 2) number of towers 8
- 3) distance between towers
170
- 4) overall length 1360
- 5) End gun (Y/N) Nelson
- 6) high or low pressure High
- 7) make & size of nozzles
- 8) PSI reading while system is running 70
- 9) GPM 800

d) Gate Pipe

- 1) length
- 2) diameter
- 3) spacing of gates

e) Siphons

- 1) number
- 2) size

f) Portable boom

- 1) make
- 2) serial number
- 3) nozzle size
- 4) capacity (GPM)
- 5) PSI

g) Gun

- 1) make
- 2) serial number
- 3) nozzle size
- 4) capacity (GPM)
- 5) PSI
- 6) hose size
- 7) hose length

h) Hydromatic

- 1) make
- 2) model
- 3) serial number
- 4) length
- 5) nozzle size
- 6) spacing
- 7) PSI
- 8) capacity (GPM)

YES NO

Check Items

1. Soil and water permit lands agree with lands being irrigated and lands listed on permit.
2. Special Qualifications to permit being abided by.
3. All Structures, wells and lands on map.

REMARKS:

Land Irrigated S. 4-36-29

NE⁴SE⁴ - 36.3
NW⁴SF⁴ - 36.1
SW⁴SF⁴ - 34.6
SE⁴SF⁴ - 34.7
141.7

LICENSE FOR PERMIT NUMBER 1224-2

1. Legal location of wells: center of 1/4 sec road

SE 1/4
dams & structures: _____

2. Well Information: Well Drilling Firm Chase

No. of wells 1 Depth _____

Casing a) diameter 16" Screen a) type _____
b) length _____ b) length _____
c) type Steel Static Water Level _____

Pump a) make Western Motor a) make Whelandhouse
b) model _____ b) model no. 7706
c) size _____ c) horsepower rating 100
d) capacity _____ GPM d) motor efficiency rating _____
e) turbine pump
no. of stages _____

3. Distribution lines:

a) size of lines 8"
b) type steel
c) length 30'

4. Dam Information:

a) height to crest _____
b) height to spillway _____
c) crest width _____
d) crest length _____
e) spillway length _____
f) spillway width _____
g) approx. storage _____
h) Distribution lines or canals:
1) size _____
2) type _____
3) length _____

i) Outlet tubes:

1) diameter _____
2) type _____
3) valued (Y/N) _____
4) valve type _____
5) location on structure _____

5. System Type: a) sideroll:

1) length _____ feet
2) diameter of pipe _____
3) make, model & number of sprinklers _____
4) spacing of sprinklers _____
5) nozzle size _____

b) towline:

1) length _____ feet
2) make, model & number of sprinklers _____
3) spacing of sprinklers _____
4) nozzle size _____

5. System Type: c) center pivot

- 1) make Panama
- 2) number of towers 8
- 3) distance between towers 170'
- 4) overall length 1320'
- 5) End gun (Y/N) Y
- 6) high or low pressure 70
- 7) make & size of nozzles _____
- 8) PSI reading while system is running 70 psi
- 9) GPM 800

g) Gun

- 1) make //
- 2) serial number _____
- 3) nozzle size _____
- 4) capacity (GPM) _____
- 5) PSI _____
- 6) hose size _____
- 7) hose length _____

d) Gate Pipe

- 1) length _____
- 2) diameter _____
- 3) spacing of gates _____

e) Siphons

- 1) number _____
- 2) size _____

f) Portable boom

- 1) make _____
- 2) serial number _____
- 3) nozzle size _____
- 4) capacity (GPM) _____
- 5) PSI _____

h) Hydromatic

- 1) make _____
- 2) model _____
- 3) serial number _____
- 4) length _____
- 5) nozzle size _____
- 6) spacing _____
- 7) PSI _____
- 8) capacity (GPM) _____

YES

NO

Check Items

1. Soil and water permit lands agree with lands being irrigated and lands listed on permit.

2. Special Qualifications to permit being abided by.

3. All Structures, wells and lands on map.

REMARKS:

Water District

Report Of Examination Of Works And/Or Application Of Water To Beneficial Use

TO: Chief Engineer, Division of Water Rights, DWR, Foss Bldg., Pierre, SD 57501

I have this day made a thorough examination of the water use system constructed by Charles Ray Johnson,
Wally Eklund, David Vicman (Missouri Falls) of 405 Main, Gregory, SD holder of
Permit No. 1224-2, bearing the priority of November 1 19 74 authorizing
the diversion of 15.2 cu. ft. per second of the waters of groundwater
for irrigation purposes, in Todd County.

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

A. Works used to divert the water:

SEE Attached Sheet

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

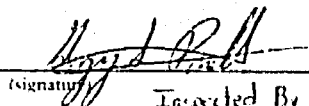
SEE Attached Sheet

C. Works used to apply water to beneficial use:

See Attached sheet

The system is in the following condition GoodThe point of diversion is located SEE Attached SheetThe works are capable of diverting and conveying to the place of use 14.3cu. 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:

SEE Attached Sheetcomprising a total of 1048 acres of land and the license should be issued for 14.3 cfsApplicable permit qualifications have been complied with Yes ☒ Yes ☐ NoExceptions to compliance are: _____ Date 8/21/85
(signature)

Inspected By: Frank Smith

Works Used To Transport Water To Place of Use

- SE $\frac{1}{4}$ 34 - An 8" steel pipeline 30 feet in length**
- SW $\frac{1}{4}$ 28 - Pipeline**
- NE $\frac{1}{4}$ 28 - An 8" steel pipeline 30 feet in length**
- SE $\frac{1}{4}$ 28 - Pipeline**
- SE $\frac{1}{4}$ 33 - Pipeline**
- NW $\frac{1}{4}$ 33 - An 8" steel pipeline 50 feet in length**
- NE $\frac{1}{4}$ 33 - An 6" steel pipeline 50 feet in length**
- SE $\frac{1}{4}$ 4 - An 8" steel pipeline 30 feet in length**

Works Used To Divert Water

- SE $\frac{1}{4}$ 34 - Consists of a 3 stage Fairbanks Morse 800 GPM pump and a Westinghouse 100 HP Motor.
- SW $\frac{1}{4}$ 28 - Consists of a 16" steel cased well, a 3 stage Fairbanks Morse Pump, and a U.S. Electric 100 HP Motor.
- NE $\frac{1}{4}$ 28 - Consists of a 16" steel cased well, a 3 stage Fairbanks Morse Pump, and a U.S. Electric 75 HP Motor.
- SE $\frac{1}{4}$ 28 - Consists of a 16" steel cased well, a 3 stage Fairbanks Morse Pump, and an U.S. Electric 75 HP Motor.
- SE $\frac{1}{4}$ 33 - Consists of a 16" steel cased well, a 3 stage Fairbanks Morse Pump, and an U.S. Electric 75 HP Motor.
- NW $\frac{1}{4}$ 33 - Consists of a 3 stage size 12 M Fairbanks Morse Pump and a 75 HP U.S. Electric Motor.
- NE $\frac{1}{4}$ 33 - Consists of a 16" steel cased well, an 8 stage Western Land Roller Pump, and an U.S. Electric 75 HP Motor.
- SE $\frac{1}{4}$ 4 - Consists of a 5 stage, size 12 CH Hydro Turbine Pump and an U.S. Electric 100 HP Motor.

Works Used To Apply Water To Beneficial Use

- SE $\frac{1}{4}$ 34 - A Raincat center pivot having 8 towers, 170 feet spacing between towers, and operates at 70 psi with 800 GPM.
- SW $\frac{1}{4}$ 28 - An Electrogator center pivot having 10 towers, 130 feet sapcing between towers, and operates at 70 psi with 800 GPM.
- NE $\frac{1}{4}$ 18 - An Electrogator center pivot having 8 towers, 170 feet spacing between towers, and operates at 70 psi with 800 GPM.
- SE $\frac{1}{4}$ 28 - An Electrogator center pivot having 8 towers, 170 foot spacing between towers, and operates at 70 psi with 800 GPM.
- SE $\frac{1}{4}$ 33 - An Electrogator center pivot having 8 towers, 170 foot spacing between towers, and operates at 70 psi with 800 GPM.
- NW $\frac{1}{4}$ 33 - An Electrogator center pivot having 8 towers, 170 foot spacing between towers, and operates at 70 psi with 800 GPM.
- NE $\frac{1}{4}$ 33 - An Electrogator center pivot having 7 towers, 170 foot spacing between towers, and operates at 70 psi with 800 GPM.
- SE $\frac{1}{4}$ 4- An Electrogator center pivot having 8 towers, 170 foot spacing between towers, and operates at 70 psi with 800 GPM.

State of South Dakota
Water License No. 1224-2

(1) Bernard K. Rahn
of Mission, South Dakota
made Application No. 1224-2 November 1, 1974 for a water permit to appropriate
15.2 cubic feet per second of water from groundwater (9 wells)
Todd County, South Dakota for irrigation purposes.
Permit No. 1224-2, with a priority date of November 1, 1974
was approved March 19, 1975 and issued to applicant(s) for diversion of water with construction of the described
water supply system to be completed on or before March 19, 1980 and for the application to beneficial use of said
water on or before March 19, 1980.
April 2, 1982, Water Permit No. 1224-2 was transferred to Mission Farms.

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 14.3 cubic feet per second of water
for beneficial use. The location of the diversion point(s) is are 1300'W & 1310'N of the SE Corner of
Section 34; 1320'N & 1300'E of the SW Corner of Section 28; 1280'N & 1320'S of the NE
Corner of Section 28; 1330'W & 1320'N of the SE Corner of Section 28; 1280'W & 1340'N
of the SE Corner of Section 33; 1300'E & 1320'S of the NW Corner of Section 33, 1280'W &
1330'S of the NE Corner of Section 33; all in T37N, R29W; 1340'N & 1320'W of the SE
Corner of Section 4, 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 lands, T37N-R29W

Section 34 NE $\frac{1}{4}$ SE $\frac{1}{4}$ 32.3 Acres	Section 28 NW $\frac{1}{4}$ SE $\frac{1}{4}$ 33.2 Acres	Section 33 Cont.
SE $\frac{1}{4}$ SE $\frac{1}{4}$ 32.1 Acres	NE $\frac{1}{4}$ SE $\frac{1}{4}$ 33.1 Acres	NE $\frac{1}{4}$ NE $\frac{1}{4}$ 32.2 Acres
NW $\frac{1}{4}$ SE $\frac{1}{4}$ 33.1 Acres	SW $\frac{1}{4}$ SE $\frac{1}{4}$ 32.4 Acres	NW $\frac{1}{4}$ NE $\frac{1}{4}$ 34.5 Acres
SW $\frac{1}{4}$ SE $\frac{1}{4}$ 33.8 Acres	SE $\frac{1}{4}$ SE $\frac{1}{4}$ 32.7 Acres	SW $\frac{1}{4}$ NE $\frac{1}{4}$ 33.6 Acres
Section 28 NW $\frac{1}{4}$ SW $\frac{1}{4}$ 32.4 Acres	Section 33 NE $\frac{1}{4}$ SE $\frac{1}{4}$ 32.0 Acres	SE $\frac{1}{4}$ NE $\frac{1}{4}$ 32.2 Acres
NE $\frac{1}{4}$ SW $\frac{1}{4}$ 33.2 Acres	NW $\frac{1}{4}$ SE $\frac{1}{4}$ 34.1 Acres	Section 4-T36N-R29W
SW $\frac{1}{4}$ SW $\frac{1}{4}$ 32.1 Acres	SW $\frac{1}{4}$ SE $\frac{1}{4}$ 32.5 Acres	NE $\frac{1}{4}$ SE $\frac{1}{4}$ 34.3 Acres
SE $\frac{1}{4}$ SW $\frac{1}{4}$ 31.9 Acres	SE $\frac{1}{4}$ SE $\frac{1}{4}$ 32.1 Acres	NW $\frac{1}{4}$ SE $\frac{1}{4}$ 34.1 Acres
NE $\frac{1}{4}$ NE $\frac{1}{4}$ 34.8 Acres	NE $\frac{1}{4}$ NW $\frac{1}{4}$ 33.6 Acres	SW $\frac{1}{4}$ SE $\frac{1}{4}$ 33.1 Acres
NW $\frac{1}{4}$ NE $\frac{1}{4}$ 34.7 Acres	NW $\frac{1}{4}$ NW $\frac{1}{4}$ 33.8 Acres	SE $\frac{1}{4}$ SE $\frac{1}{4}$ 33.2 Acres
SW $\frac{1}{4}$ NE $\frac{1}{4}$ 21.8 Acres	SW $\frac{1}{4}$ NW $\frac{1}{4}$ 33.1 Acres	TOTAL 1048 ACRES
SE $\frac{1}{4}$ NE $\frac{1}{4}$ 32.5 Acres	SE $\frac{1}{4}$ NW $\frac{1}{4}$ 33.5 Acres	

(4) Pursuant to §46-5-30.1 Mission Farms

of Box 149, Gregory, South Dakota 57533

the holder(s) and/or owner(s) of Water Permit No. 1224-2 is issued a license to appropriate water, the right to use

14.3 cubic feet per second of water from groundwater (8 wells) with a priority date

of November 1, 1974 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. 1224-2 and subject to South Dakota State Law.

John Hatch
Chief, Permit, Water Rights Division
Department of Water and Natural Resources

JOHN HATCH

NOV 27 1985

Location of Point of Diversion

SE $\frac{1}{4}$ 34 - 1300'W & 1310'N of SE Corner of Section 34 T37N R29W
SW $\frac{1}{4}$ 28 - 1320'N & 1300'E of SW Corner of Section 28 T37N R29W
NE $\frac{1}{4}$ 28 - 1280'W & 1320'S of NE Corner of Section 28 T37N R29W
SE $\frac{1}{4}$ 28 - 1330'W & 1320'N of SE Corner of Section 28 T37N R29W
SE $\frac{1}{4}$ 33 - 1280'W & 1340'N of SE Corner of Section 33 T37N R29W
NW $\frac{1}{4}$ 33 - 1300'E & 1320'S of NW Corner of Section 33 T37N R29W
NE $\frac{1}{4}$ 33 - 1280'W & 1330'S of NE Corner of Section 33 T37N R29W
SE $\frac{1}{4}$ 4 - 1340'N & 1320'W of SE Corner of Section 4 T36N R29W

Water has been put to beneficial use as follows

NE $\frac{1}{4}$ SE $\frac{1}{4}$ 34 - 32.3 Ac. SE $\frac{1}{4}$ SE $\frac{1}{4}$ 34 - 32.1 Ac. NW $\frac{1}{4}$ SE $\frac{1}{4}$ 34 - 33.1 Ac. SW $\frac{1}{4}$ SE $\frac{1}{4}$ 34 - 33.8 Ac.
NW $\frac{1}{4}$ SW $\frac{1}{4}$ 28 - 32.4 Ac. NE $\frac{1}{4}$ SW $\frac{1}{4}$ 28 - 33.2 Ac. SW $\frac{1}{4}$ SW $\frac{1}{4}$ 28 - 32.1 Ac. SE $\frac{1}{4}$ SW $\frac{1}{4}$ 28 - 31.9 Ac.
NE $\frac{1}{4}$ NE $\frac{1}{4}$ 28 - 34.8 Ac. NW $\frac{1}{4}$ NE $\frac{1}{4}$ 28 - 34.7 Ac. SW $\frac{1}{4}$ NE $\frac{1}{4}$ 28 - 21.8 Ac. SE $\frac{1}{4}$ NE $\frac{1}{4}$ 28 - 32.5 Ac.
NW $\frac{1}{4}$ SE $\frac{1}{4}$ 28 - 33.2 Ac. NE $\frac{1}{4}$ SE $\frac{1}{4}$ 28 - 33.1 Ac. SW $\frac{1}{4}$ SE $\frac{1}{4}$ 28 - 32.4 Ac. SE $\frac{1}{4}$ SE $\frac{1}{4}$ 28 - 32.7 Ac.
NE $\frac{1}{4}$ SE $\frac{1}{4}$ 33 - 32.0 Ac. NW $\frac{1}{4}$ SE $\frac{1}{4}$ 33 - 34.1 Ac. SW $\frac{1}{4}$ SE $\frac{1}{4}$ 33 - 32.5 Ac. SE $\frac{1}{4}$ SE $\frac{1}{4}$ 33 - 32.1 Ac.
NE $\frac{1}{4}$ NW $\frac{1}{4}$ 33 - 33.6 Ac. NW $\frac{1}{4}$ NW $\frac{1}{4}$ 33 - 33.8 Ac. SW $\frac{1}{4}$ NW $\frac{1}{4}$ 33 - 33.1 Ac. SE $\frac{1}{4}$ NW $\frac{1}{4}$ 33 - 33.5 Ac.
NE $\frac{1}{4}$ NE $\frac{1}{4}$ 33 - 32.2 Ac. NW $\frac{1}{4}$ NE $\frac{1}{4}$ 33 - 34.5 Ac. SW $\frac{1}{4}$ NE $\frac{1}{4}$ 33 - 33.6 Ac. SE $\frac{1}{4}$ NE $\frac{1}{4}$ 33 - 32.2 Ac.

ALL OF T 37N R29W

NE $\frac{1}{4}$ SE $\frac{1}{4}$ 4 - 34.3 Ac. NW $\frac{1}{4}$ SE $\frac{1}{4}$ 4 - 34.1 Ac. SW $\frac{1}{4}$ SE $\frac{1}{4}$ 4 - 33.1 Ac. SE $\frac{1}{4}$ SE $\frac{1}{4}$ 4 - 33.2 Ac T36N R29W

Water Rights Division - DWR
Conversation or File Documentation

File No. 1224-2

NAME OF PERSON OR FILE: Miss. 4 Farms - Red Johnson, Wally Eklund, David Vreeman

ADDRESS: Gregory SD COUNTY Tedd

DATE: 8/21/85 TELEPHONE: _____

RE: Well logs for licensing process

COMMENTS:

I ~~would~~ ^{could} ~~not~~ ^{try} to obtain well logs for these wells. Mrs. Pat Chase is taking care of the records for Chase Well Drilling. She could not determine which well logs apply to these lands. I would recommend licensing this permit with the 4 available well logs.

Recommendation: Approve this permit for licensing without all available well logs.

File in Permit or other file as necessary. Use to document conversations and what the other party was told; why action or decision was made.

4/82

NAME: [Signature]

NW

Chase Well Drilling, Inc.

AINSWORTH, NEBRASKA 68210 • BLOOMFIELD, NEBRASKA 68710

PHONE 357-1600 • PHONE 373-4770

Bernard Egan
Mission, S.D. - Inkster, Neb.
1 mile south of
plate, west of
center, west side
of road

WELL LOG

0	-	20	Sand
20	-	30	Sand
30	-	40	Clay and hard sandstone
40	-	51	Sandstone
51	-	70	Clay streaks and sand
70	-	100	Sandstone
100	-	140	Sandstone and clay streaks
140	-	170	Sandstone
170	-	180	Sand and clay streaks
180	-	190	Sand

8 1/2"

Chase Well Drilling, Inc.

ANSWORTH, NEBRASKA; 02210 - BLOOMFIELD, NEBRASKA 68718

PHONE 337-1880 - PHONE 373-4770

Post. No. 11

Burnside Bahn

Missing SD 470095007-101, 102, 103

I/RY/1548/57/1766

7. 6. 2. 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. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839

7/10/1947

lat. he is south of belongings

752 3011

| | | | |
|-----|---|-----|-----------------------|
| 0 | - | 20 | Sand |
| 20 | - | 40 | Sand and clay streaks |
| 40 | - | 110 | Sand |
| 110 | - | 120 | Sand and clay streaks |
| 120 | - | 140 | Sand |
| 140 | - | 160 | Sand and clay streaks |
| 160 | - | 173 | Sand |
| 173 | - | 182 | Sandstone and clay |
| 182 | - | 200 | Red Clay and rock |

768

Chase Well Drilling, Inc.

AKINSVILLE, NEBRASKA 68210 - DUNSMITH, NEBRASKA 68718

PHONE 387-1000 - FAKS 387-4770

East side of
 Leonard Lahn
 north of Geology Place

WELL LOG

| | | | |
|-----|---|-----|----------------------------|
| 0 | - | 10 | Sand |
| | - | 10 | Sandstone |
| 40 | - | 50 | Sandstone and clay streaks |
| | - | 100 | Thin sandstone |
| 100 | - | 120 | Clay |
| 120 | - | 140 | Sandstone and clay streaks |
| 140 | - | 160 | Sand |
| 160 | - | 180 | Sand and clay streaks |
| 180 | - | 200 | Sand |
| 200 | - | 220 | Sand and clay streaks |

660

Chase Well Drilling, Inc.

ANSWON 4 NEBRASKA 68210 - OLLOMFIELD, NEBRASKA 68718

PHONE 337-1231 PHONE 371-4770

Test well 7-2
 Leonard Rd. N.
 - 200 ft. deep, 4 in. dia.
 - 100 ft. deep, 4 in. dia.
 - 100 ft. deep, 4 in. dia.
 - 100 ft. deep, 4 in. dia.

11-11-1

| | | | |
|-----|---|-----|-----------------------------|
| - | - | - | Sand |
| 10 | - | 4 | Clay and sandstone |
| - | - | 70 | Sandstone |
| 90 | - | - | Hard sandstone |
| 80 | - | 100 | Sandstone |
| 100 | - | 130 | Sandstone |
| 130 | - | 133 | Hard sandstone |
| 133 | - | 140 | Sandstone and clay str. and |
| 140 | - | 145 | Sand (good) |
| 145 | - | 150 | Clay |
| 155 | - | 20 | Red rock and clay |

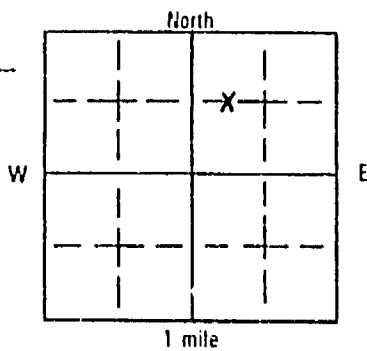
11-11-2

SOUTH DAKOTA WATER WELL COMPLETION REPORT

10-85

Location NE 1/4 Sec 33 Twp 37N Rg 29County Todd

Please mark well location with an "X"

Well Completion Date 6-3-87

PROPOSED USE:

☐ Domestic ☐ Municipal ☐ Test Holes
☒ Irrigation ☐ Industrial ☐ Stock

Method of Drilling:

Reverse Rotary

CASING DATA:

☐ Steel ☐ Plastic ☒ Concrete ☐ Other
If other describe _____

| PIPEWEIGHT | DIAMETER | FROM | TO | HOLE DIAMETER |
|------------------|--------------|--------------|---------------|---------------|
| <u>150</u> LB/FT | <u>16</u> IN | <u>0</u> FT | <u>59</u> FT | <u>32</u> IN |
| <u>138</u> LB/FT | <u>16</u> IN | <u>59</u> FT | <u>187</u> FT | <u>32</u> IN |
| _____ LB/FT | _____ IN | _____ FT | _____ FT | _____ IN |
| _____ LB/FT | _____ IN | _____ FT | _____ FT | _____ IN |

GROUT:

Was the well grouted? ☐ YES ☒ NO

To what depth? _____ FEET

What is grouting material? _____

If cement, number of sacks? _____

Describe grouting procedure _____

What was grout weight? _____ LB/GAL

SCREEN: ☐ Perforated pipe ☒ ManufacturedDiameter 16 ID IN Length 128 FEETMaterial ConcreteSlot Size 3/16 Set From 59 Feet To 187 Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Other information _____

Was a packer or seal used? ☐ YES ☒ NO

If so, what material? _____

Describe packer(s) and location? _____

Was well disinfected upon completion? ☐ YES ☒ NO

Explain _____

Bacteriological analysis ☐ YES ☐ NO

Laboratory sent to _____

Well Owner:

Name Janieski Harvesting & FarmingAddress Box 221, Valentine, NE 69301

Well Log:

Depth

| Formation | From | To |
|----------------------------------|------|-----|
| Top Soil | 0 | 2 |
| Sand & sandy clay | 2 | 9 |
| Sandstone & few clay layers | 9 | 21 |
| Sandstone & limestone & clay | 21 | 28 |
| Fine pep, sand, SS, few clay | 28 | 84 |
| SS & little LS lysrs, clay lysrs | 84 | 100 |
| Fine pep sand, SS, little clay | 100 | 128 |
| SS, fine S, LS, Clay layers | 128 | 137 |
| Fine-med, sharp Pepper sand | 137 | 166 |
| SS, Fine Sand, LS & Clay lysrs | 166 | 182 |
| Red Rock | 182 | 200 |
| | | |
| | | |
| | | |

STATIC WATER LEVEL 68 Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

If other: specify _____

Can well be completely shut in? _____

WELL TEST DATA:

☒ Pumped _____☐ Bailed Describe: _____☐ Other _____

Pumping Level Below Land Surface

175 ft. After _____ Hrs. pumped 320 GPM161 ft. After _____ Hrs. pumped 275 GPM147 ft. After _____ Hrs. pumped 255 GPM138 ft. After _____ Hrs. pumped 235 GPM

REMARKS:

This well was drilled under license # 180

And this report is true and accurate.

Drilling firm Grosch Irrigation Company, Inc.

Signature of License Representative: _____

Signature of Well Owner: _____

Janieski Harvesting & FarmingDate 8-14-87

| | |
|--|--|
| Mail to:
Water Rights Program
Joe Foss Building
523 E. Capitol
Pierre, SD 57501-3181
(605) 773-3352 | (office use only)
No. _____ Hydrologic Unit _____ |
| | Basin _____ |
| | Newspaper _____ |
| | |

RECEIVED
OCT 28 2003
WATER RIGHTS
PROGRAM

Application For Permit To Appropriate Water For Irrigation

Type of Application: New Vested Right Amendment/Correction to Permit No. 1224-2
(Use predates Mar 2, 1955)

Description of amendment/correction: (i.e. change diversion point(s), add diversion point(s), change use, etc.) _____

For additional Well (helper).
Missouri Farming

1. Name of Applicant Danielski Harvesting & Farming Phone 402-376-3039
(check one) x Owner Tenant/lessee

Mailing Address P.O. Box 230 Valentine State NE 69201
(Street, RR, or Box and City) (Zip Code)

2. Amount of water claimed *CFS or No. add'l **GPM ***AF Total Acreage No add'l
(*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout or annual use if applicable)

3. Source of water supply Ground

4. Location of point of diversion (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W)
Sec 28 T37N - R29W SW 1/4
County Todd

5. County or counties where water will be used Todd

6. Annual period during which water is to be used March - November

7. List below each forty-acre division, or lot, or fraction thereof and show number of acres to be irrigated in each.
(Attach sheet if more space is needed)

| Land Description | Acres | Land Description | Acres |
|------------------|-------|------------------|-------|
| | | | |
| | | | |
| | | | |
| | | | |

8. Give a description of the project. (Attach sheet if more space is needed)

I intend to drill a helper well for additional water and
to ease pumping pressure on existing well.

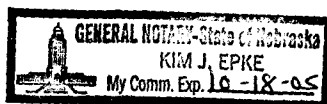
STATE OF SOUTH DAKOTA) SS
County of Todd

Attachments: Attach Form 2A if diversion is from a well or dugout, or if storage of water is proposed. Attach map and any other technical information. (see instructions)

I, Danielski Harvesting, the applicant, certify that I have read this application, have examined the attached map and that the matters stated are true and that I intend, and am able to complete the necessary construction.

Applicant's signature Leorl Danielski

Subscribed and sworn to before me this 24 day of October 20 03



Kim J. Epke
Notary Public signature

Supplemental Information

(type or print in ink)

1. Well Information - Proposed Construction

- a) Drill Hole Diameter 28" Depth 200'
- b) Casing Type PVC sdr 26 Diameter 16" Thickness .625"
- c) Screen Type millslot Diameter 16" Thickness .625"
- d) Gravel Pack armor coat 1/8 x 1/4 Length of Gravel Pack 22" - 200"
- e) Depth to Top of Water Bearing Material 76'
- f) Depth to Water (ground surface to water level) 76'
- g) Distance to nearest existing domestic well:
- On applicants property 1/4 mile On property owned by others No

2. Wastewater Disposal System Information

- a) Type of System (i.e. septic tank, drain field) _____
- b) System Capacity (gallons) _____ Year Constructed _____
- c) Connected to the City of _____ Sanitary System _____

3. Dugout Information

- a) Surface Dimensions _____ Depth _____
- b) Depth to water (ground surface to water level) _____

4. Water Storage Dams

If the proposed water use system contains one or more storage dams, please furnish the information requested below for each dam. The locations of the dams need to be shown on the map submitted with the application.

- a) If a private engineering firm or government agency was involved in the design of this dam, please give their name and address:

- b) Freeboard _____

- c) Crest Width _____

Crest Length _____

- d) Height _____

- e) Primary Outlet Capacity _____

If pipe, diameter _____

- f) Secondary Spillway Capacity _____

Spillway Width _____

- g) X & Y Slope _____

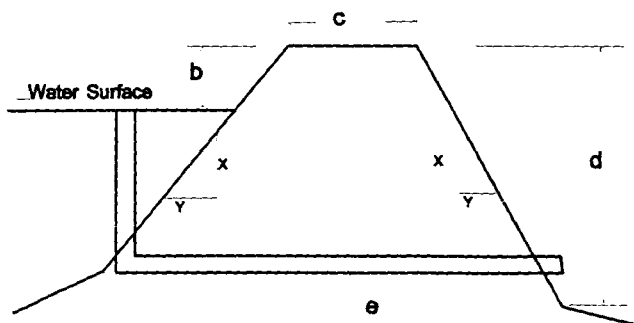
Upstream _____

Downstream _____

- h) Surface Area of Impoundment _____

- i) Storage _____ Acre Feet

- j) Drainage Area Above Dam _____ Acres

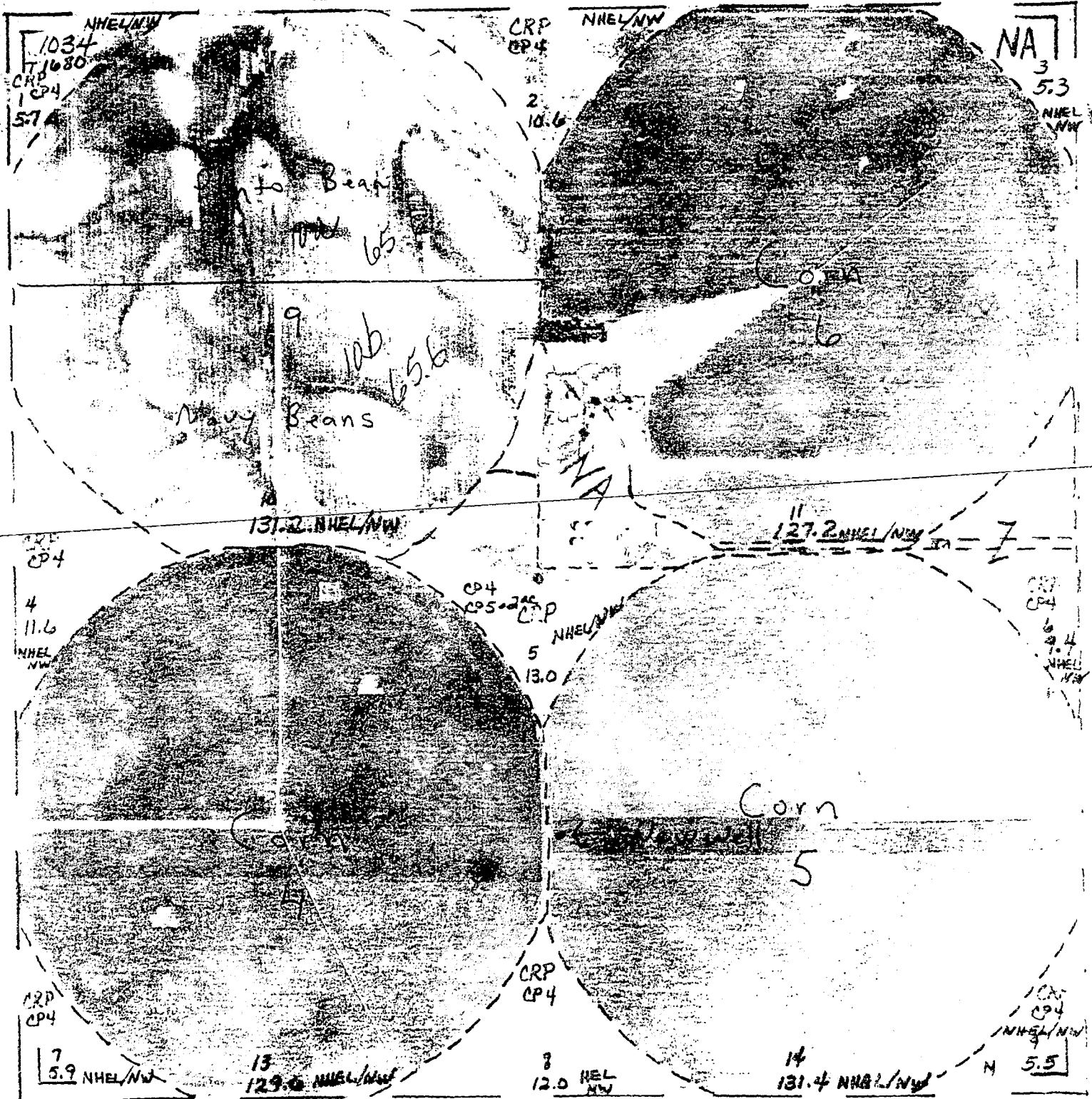


NOT TO SCALE

Todd Co.
T37: F29W

1777
50

Photo TD-2
Sec 28



one mile radius (one of the domestic wells were drilled by Danielski). Each of these domestic wells are approximately one mile from this additional well. These domestic wells have been in an area of intensive irrigation and no complaints have been received. In addition, this supplemental well is not a new appropriation of water but is intended to be a helper well to the primary well used to irrigate the SE ¼ of Section 28. This review reflects only those well completion reports on file with the Water Rights Program.

CONCLUSION

- This additional well does not appropriate additional water.
- The additional well is constructed into the Ogallala Aquifer which is the same water source as the existing wells authorized by Water Right No. 1224-2.
- Existing domestic wells will not be adversely impacted by authorizing this additional well.
- Water Right No. 1224-2 has a priority date of November 1, 1974 and since being developed there has been no record of complaint on diversion of water adversely impacting neighboring wells.

RECOMMENDED ACTION

Based on the above criteria, it is recommended that the additional diversion point to Water Right No. 1224-2 be authorized.



Eric Gronlund
Water Rights Program

The Chief Engineer makes a finding pursuant SDCL 46-5-13.1 and ARSD 74:02:01:14.01 that:

This additional diversion point does not increase the potential for adverse effects to existing diversions.



Garland Erbele, Chief Engineer
Water Rights Program

Approval of an Additional Diversion Point

NAME: Mission Farms

ADDRESS: PO Box 230, Valentine NE 69201

DATE: November 6, 2003 **COUNTY:** Todd **TELEPHONE:** 403 376-3039

BACKGROUND:

Mission Farms holds Water Right No. 1224-2 to appropriate 14.3 cubic feet of water per second from 8 wells (Ogallala Formation) to irrigate 1048 acres. The irrigated acreage (8 pivots) is located in Sections 28, 33, and 34 of T37N, R29W and the SE ¼ of Section 4, T36N, R29W. Leonard Danielski, representative for Mission Farms, filed an application requesting to construct a supplemental well for the pivot operating in the SE ¼ of Section 28 T37N, R29W. The current well supplying this pivot is located near the center of the SE ¼ and the proposed additional well is intended to be a helper well to ease the pumping pressure on the existing well.

This will bring the total number of well authorized by Water Right No. 1224-2 to nine. This supplemental well is to be located in the NW¼ SE¼ Section 28, T37N, R29W and will bring the production up closer to but not exceeding the authorized 14.3 cfs.

AUTHORITY:

Pursuant to SDCL 46-5-13.1, the location of a diversion point may be changed or additional diversion points may be licensed provided the following conditions are met and the potential for interference with other existing diversions is not increased:

- **Developed water source same as permitted source and no additional water appropriated**

The wells authorized under Water Permit No. 1224-2 are constructed into the Ogallala Aquifer. The additional well is to be approximately 200 feet deep and is to be constructed into the Ogallala Aquifer.

No additional appropriation of water is being requested. The existing water right appropriates 13.4 cubic feet of water per second (cfs). The total diversion capacity from the 9 existing wells and this additional well will not exceed the authorized amount of 14.3 cfs. If the diversion exceeds this amount a new water right permit needs to be obtained for the additional appropriation of water.

- **Review of Existing Diversions**

A review was conducted of existing water rights and domestic wells on file within a two mile radius of this proposed supplemental well. There is a considerable irrigation development in this area, however, the irrigation being conducted in this immediate area is by Danielski Harvesting and Farming. A review of well completion records in Water Right files found 3 domestic wells within a



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

December 1, 2003

Leonard Danielski
Danielski Harvesting and Farming
PO Box 230
Valentine NE 69201

Dear Mr. Danielski:

I am writing in regard to Danielski Harvesting and Farming's request for additional wells under Water Right Nos. 1615-2 and 1224-2. Water Right No. 1615-2 held in the name of Danielski Harvesting and Farming appropriates 13.4 cubic feet of water per second (cfs) from 9 wells (Ogallala Formation) to irrigate 993 acres. The Water Right No. 1224-2 held in the name of Mission Farms appropriates 14.3 cfs from 8 wells (Ogallala Formation) to irrigate 1048 acres.

You are requesting authorization for a supplemental well to supply water to the pivot located in the NW ¼ Section 27 authorized by Right No. 1615-2 and the SE ¼ Section 28 authorized by Right No. 1224-2. The new wells are to be located in the NW ¼ NW ¼ Section 26, T37N, R29W and the SW ¼ SE ¼ Section 28 and are to be constructed into the same water source as the existing wells. No additional water will be appropriated.

Upon review of the request and pursuant to SDCL 46-5-13.1, the additional wells drilled for Danielski Harvesting and Farming and Mission Farms are authorized without application or publication of a notice of hearing pursuant to SDCL 46-2A-4. However, a new water right permit will be necessary if more than the 13.4 cfs (6,000 gallons per minute) under No. 1615-2 or 14.3 cfs (6,400 gallons per minute) will be pumped from the respective water rights.

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

Sincerely,

Garland Erbele, Chief Engineer
Water Rights Program

enclosure

(1-140)

16.5

14.8

15.7

14.2

10.7

PRELIMINARY PLAN MAP

USDA Soil Conservation Service
Todd County Conservation District, Todd Co., So. Dak.
Cooperating with Bernard K. Rahn

Map Scale 8" equals 1 mile

Date 10-28-71

Sec. - 34

Prepared by

Howard P. Wagner
District Conservationist

Irrigation Wells to be located at center of
Section quarters.

36.4

9.0

11.5

23.1

34.1

37.0

④

IRRIGATED
130 Ac.

IIIe

IIe

IIIe

IIe

T-37-29

~~MAP NO 1034-2~~
(APP NO 1224-2)

20.7

III_s

(3-146)

⑤

IRRIGATED

130 Ac.

II_eIII_eIII_eII_e

Sec. 1

339.8

⑤

III_s

IRRIGATED

130 Ac.

II_eIII_eII_e

43.5

PRELIMINARY PLAN MAP

47.1

USDA Soil Conservation Service
 Todd County Conservation District,
 Todd County, South Dakota
 Cooperating with Bernard K. Rahn

Map Scale 8" equals 1 mile

Date 10-28-74

Prepared by Howard P. Warner
 District Conservationist

Irrigation wells to be located at center of
 section quarters.

T-37.27

9.6

25.4

130 Ac.

IRRIGATED

III_eII_e

7.8

III_e

N

PRELIMINARY PLAN MAP

USDA Soil Conservation Service

Todd County Conservation District, Todd Co., So. Dak.

45.3

Cooperating with Bernard K. Rain.

20.9

Map scale 8" equals 1 mile

Date 10-28-74

Prepared by

Howard P. Wagner
District Conservationist

Sec 4

14.2

28.3

17.7

50

9.4

18.8

39.8

37-29

48.8

IIe

75 Ac.

IIIe

IIe

IIIe

9

75 Ac.

IIIe

IIe

T-36-29

Irrigation wells to be located at center of section quarters.

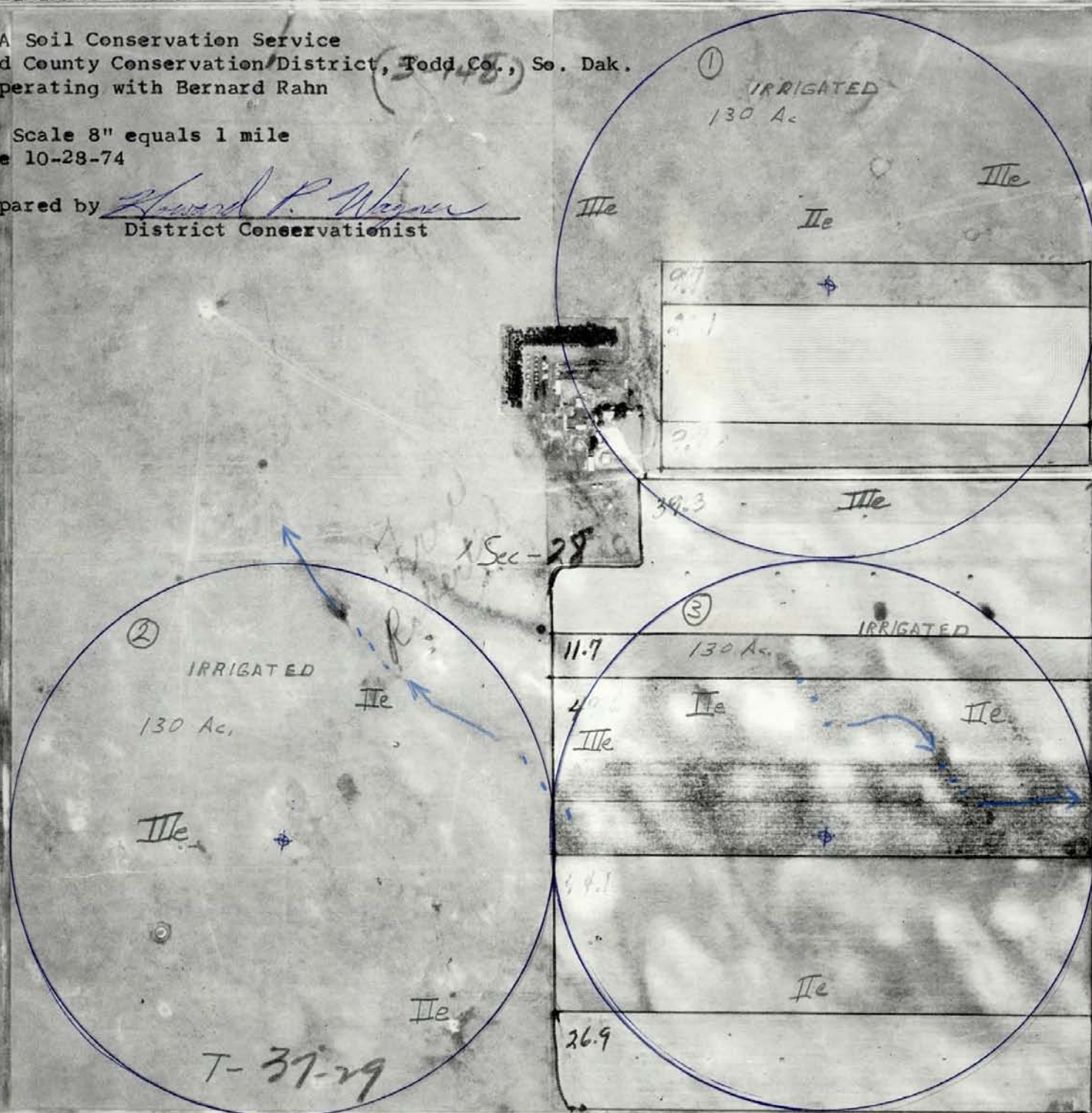
PRELIMINARY PLAN MAP

USDA Soil Conservation Service
Todd County Conservation District, Todd Co., So. Dak.
Cooperating with Bernard Rahn

Map Scale 8" equals 1 mile
Date 10-28-74

Prepared by

Howard P. Wegner
District Conservationist



Irrigation wells to be located at center of section quarters.



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
PMB 2020
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3182
www.denr.sd.gov

April 6, 2015

1224-2

Leonard Danielski
P.O. Box 230
Valentine, NE 69201

Dear Mr. Danielski:

Water Right No. 1224-2 appropriates 14.3 cubic feet per second (cfs) from nine wells completed into the Ogallala aquifer located in the SE $\frac{1}{4}$ of Sec 34, SW $\frac{1}{4}$ of Sec 28, NE $\frac{1}{4}$ of Sec 28, SE $\frac{1}{4}$ Sec 28 (authorized in 2003), SE $\frac{1}{4}$ of Sec 33, NW $\frac{1}{4}$ of Sec 33, NE $\frac{1}{4}$ of Sec 33, all in T37N-R29W and the SE $\frac{1}{4}$ of Sec 4, T36N R29W for the irrigation of 1,048 acres in Todd County.

You requested authorization to add a tenth well to more efficiently irrigate the NE $\frac{1}{4}$ of Sec 28, T37N-R29W. This additional well does not increase the maximum diversion rate authorized under Water Right No. 1224-2 (14.3 cfs) nor the number of acres irrigated (1,048 acres). Enclosed is a map of Section 28, T37N-R29W. Please mark the location of the helper well on this map and return it to the Water Rights Program so that we may process your request in a timely manner.

If you have any questions, please contact me, Bracken Capen at (605) 773-3352.

Sincerely,

A handwritten signature in black ink, appearing to be "Bracken Capen", written over a horizontal line.

Bracken Capen
Natural Resources Engineer
Water Rights Program



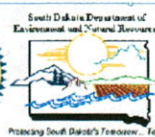
Legend

 Section Boundaries - PLSS



0 0.075 0.15 0.3 Miles


Prepared by Bracken Capen
Natural Resources Engineer
DENR, Water Rights Program



1224-2

Mission Farms, Inc.

P.O. Box 230

Valentine, NE 69201

Phone 402-376-3039

To: Department of Environment & Natural Resources

Attn: Eric Gronlund

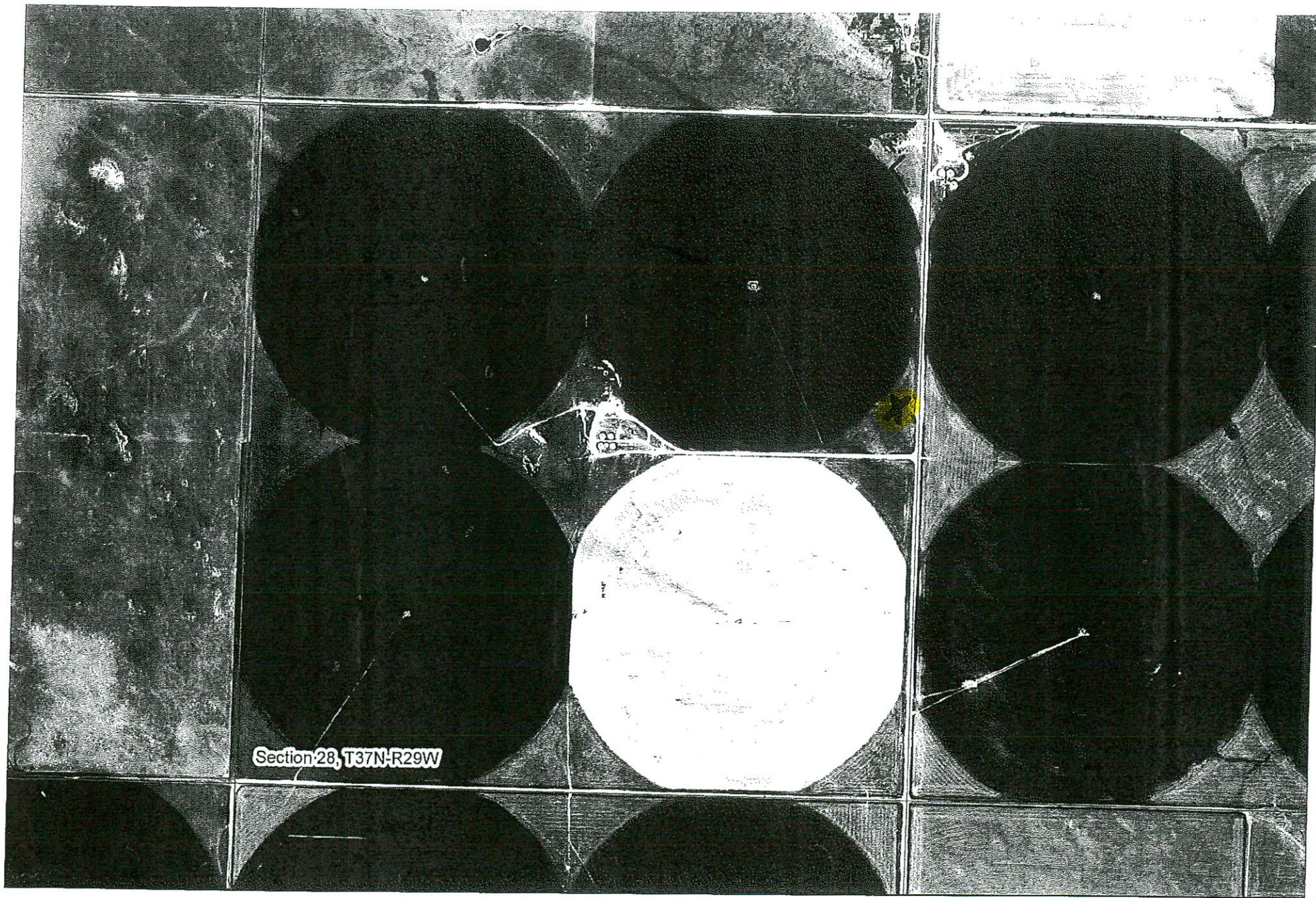
I would like to notify you that my test hole was successful. So I would like to put in a request for a helper well. I intend on using the new helper well on the NE ¼ S 28 T37N R29W, Todd Co., S.D.

I do not intend on irrigating any more acres than what my water permit # 1224-2 is for.

Respectfully,

A handwritten signature in cursive script, appearing to read "Leonard Danielski".

Leonard Danielski



Legend

 Section Boundaries - PLSS



0 0.075 0.15 0.3 Miles



Prepared by Bracken Capen
Natural Resources Engineer
DENR, Water Rights Program



Bracken.Capen@state.sd.us

Water Rights Program - File Documentation

NAME: Leonard Danielski, Mission Farms

ADDRESS: PO Box 230, Valentine, NE 69201

DATE: April 7, 2015 **COUNTY:** Todd **TELEPHONE:** (402) 389-1198

RE: Additional diversion point under Water Right No. 1224-2

COMMENTS:

On April 7, 2015 I spoke to Leonard Danielski about his plans to build an additional well in the SE ¼ NE ¼ of Section 28, T37N-R29W under Water Right No. 1224-2. He informed me that the well will be approximately 220 feet deep.



Bracken Capen
Water Rights Program

File No. 1224-2

Approval of Additional Diversion Point

NAME: Leonard Danielski, Mission Farms **ADDRESS:** PO Box 230, Valentine, NE 69201

DATE: April 13, 2015 **COUNTY:** Todd **TELEPHONE:** (402) 376-3039

Water Right No. 1224-2 appropriates 14.3 cubic foot per second (cfs) from nine wells completed into the Ogallala aquifer to irrigate 1,048 acres in Todd County. These nine wells were constructed in the SE ¼ of Sec 34, SW ¼ of Sec 28, NE ¼ of Sec 28, SE ¼ Sec 28 (authorized in 2003), SE ¼ of Sec 33, NW ¼ of Sec 33, NE ¼ of Sec 33, all in T37N-R29W and the SE ¼ of Sec 4, T36N R29W. The descriptions of the acres irrigated are as follows: 129.6 acres in the SW ¼ of Section 28, 123.8 acres in the NE ¼ of Section 28, 131.4 acres in the SE ¼ of Section 28, 130.7 acres in the SE ¼ of Section 33, 134 acres in the NW ¼ of Section 33, 132.5 acres in the NE ¼ of Section 33, 131.3 acres in the SE ¼ of Section 34, all in T37N-R29W, and 134.7 acres in the SE ¼ of Section 4, T36N-R29W. The total amount of land irrigated under Water Right No. 1224-2 is 1,048 acres. The original permit was conditioned with the standard well interference, well completion, and irrigation questionnaire qualifications.

Leonard Danielski submitted a letter to the South Dakota DENR Water Rights Program requesting an additional well in the SE ¼ of the NE ¼ of Section 28, T37N-R29W. The well would be used to supplement water from an existing well located in the SW ¼ NE ¼ of Section 28 used to irrigate the NE ¼ of that same section. During a phone conversation with Bracken Capen on April 7, 2015, Leonard Danielski specified that the new well would be approximately 220 feet deep. This depth is consistent with the known depth of the Ogallala aquifer.

AUTHORITY:

Pursuant to SDCL 46-5-13.1, the location of a diversion point may be changed or additional points may be licensed provided the following conditions are met and the potential for interference with other existing diversion points is not increased.

- **Developed water source is the same as licensed source and no additional water is appropriated.**

The water source authorized by Water Right No. 1224-2 is the Ogallala aquifer. The depth of existing wells as well as the depth of the new well which Leonard Danielski proposes to construct is consistent with the known depth of the Ogallala aquifer.

No additional appropriation of water is authorized. Water Right No. 1224-2 appropriates 14.3 cfs and no additional diversion rate authority is being requested.

Review of Existing Diversions

The well completion report and water rights databases were reviewed for the nearest production wells to the proposed well site. Although there are numerous wells in the area, most are owned by Mr. Danielski. The Water Rights Program views drawdown as a result of the operation of multiple wells in close proximity which are controlled by a single entity as a management issue of that entity. However, a well constructed under Water Right No. 1319-2, and not controlled by Mr. Danielski is located approximately 3,000 feet to the east of the new well site in the NE ¼ of Section 28, T37N-R29W. This distance is expected to be sufficient in order to minimize potential impairment as a result of constructing the new well.

The Water Rights program is also aware of domestic wells completed into the Ogallala aquifer in the region. All domestic wells on file with the Water Rights Program within one mile of the proposed wells site are owned by Mr. Danielski. Potential for interference of these wells as a result of the approval of the new well site is seen by the Water Rights Program as a management issue for Mr. Danielski.

Observation Well Data

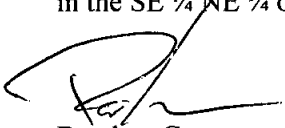
The Water Rights Program monitors a series of observation wells completed into the Ogallala aquifer. The closest observation well completed into this aquifer (TD-80C) is located approximately 2,500 feet to the north of the well sites. This well has been in place since 1980 and shows static water level fluctuations of 100 to 116 feet below the top of the casing. Historic water levels in TD-80C display prominent effects of pumping but appear to be primarily climatically controlled. Approval of an additional well under Water Right No. 1224-2 is not expected to increase the volume of water withdrawn from the aquifer annually and is therefore not expected to affect overall water levels in the aquifer.

CONCLUSION:

- The additional diversion point does not propose to appropriate additional water.
- The developed wells are pumping water from the same source as the proposed new well, the Ogallala aquifer.
- Unlawful impairment of existing water rights/permits and domestic wells is not expected to occur.

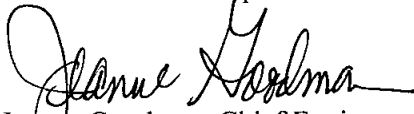
RECOMMENDED ACTION:

Based on the above criteria, it is recommended that the request for an additional diversion point, located in the SE $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 28, T37N-R29W be approved.



Bracken Capen
Natural Resources Engineer

The Chief Engineer makes a finding pursuant to SDCL 46-5-13.1 and ARSD 74:02:01:14:01 that: The additional diversion point does not increase the potential for adverse effects to existing diversions.



Jeanne Goodman, Chief Engineer
Water Rights Program



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
PMB 2020
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3182
www.denr.sd.gov

April 13, 2015

1224-2

Leonard Danielski
P.O. Box 230
Valentine, NE 69201

Dear Mr. Danielski:

Water Right No. 1224-2 appropriates 14.3 cubic foot per second (cfs) from nine wells completed into the Ogallala aquifer to irrigate 1,048 acres in Todd County. These nine wells were constructed in the SE $\frac{1}{4}$ of Sec 34, SW $\frac{1}{4}$ of Sec 28, NE $\frac{1}{4}$ of Sec 28, SE $\frac{1}{4}$ Sec 28 (authorized in 2003), SE $\frac{1}{4}$ of Sec 33, NW $\frac{1}{4}$ of Sec 33, NE $\frac{1}{4}$ of Sec 33, all in T37N-R29W and the SE $\frac{1}{4}$ of Sec 4, T36N R29W. The descriptions of the acres irrigated are as follows: 129.6 acres in the SW $\frac{1}{4}$ of Section 28, 123.8 acres in the NE $\frac{1}{4}$ of Section 28, 131.4 acres in the SE $\frac{1}{4}$ of Section 28, 130.7 acres in the SE $\frac{1}{4}$ of Section 33, 134 acres in the NW $\frac{1}{4}$ of Section 33, 132.5 acres in the NE $\frac{1}{4}$ of Section 33, 131.3 acres in the SE $\frac{1}{4}$ of Section 34, all in T37N-R29W, and 134.7 acres in the SE $\frac{1}{4}$ of Section 4, T36N-R29W. The total amount of land irrigated under Water Right No. 1224-2 is 1,048 acres. The original permit was conditioned with the standard well interference, well completion, and irrigation questionnaire qualifications.

You submitted a letter via email to the South Dakota DENR Water Rights Program requesting an additional well in the SE $\frac{1}{4}$ of the NE $\frac{1}{4}$ of Section 28, T37N-R29W. The well would be used to supplement water from an existing well located in the SW $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 28 used to irrigate the NE $\frac{1}{4}$ of that same section. During a phone conversation with Bracken Capen on April 7, 2015, you specified that the new well would be approximately 220 feet deep. This depth is consistent with the known depth of the Ogallala aquifer.

Upon review of the request and pursuant to SDCL 46-5-13.1, the additional well location is authorized without application or publication of a notice of hearing pursuant to SDCL 46-2A-4. No increase in the authorized diversion rate of 14.3 cfs under Water Right No. 1224-2 has been requested or approved. If the total diversion rate increases, a new water permit will need to be obtained from the SD DENR Water Rights Program.

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

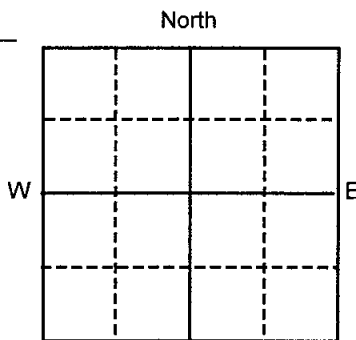
Sincerely,

Jeanne Goodman
Chief Engineer
Water Rights Program

1224-2

SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location SE ¼ NE ¼ Sec 28 Twp 37 Rg 29County TODDPlease mark well
location with an "X"

Well Completion Date

March 30, 2015

1 Mile

 Distance to nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)?
 ft. from _____ (identify source)

PROPOSED USE:

☐ Domestic/Stock ☐ Municipal ☐ Business ☐ Test holes
☒ Irrigation ☐ Industrial ☐ Institutional ☐ Monitoring well

METHOD OF DRILLING:

REVERSE ROTARY

CASING DATA:

☐ Steel ☒ Plastic ☐ Other

If other describe _____

| PIPEWEIGHT | DIAMETER | FROM | TO | HOLE DIAMETER |
|-------------|----------|----------|----------|---------------|
| 20.0 LB/FT | 16.00 IN | 1.0 FT | 91.0 FT | 28.00 IN |
| _____ LB/FT | _____ IN | _____ FT | _____ FT | _____ IN |
| _____ LB/FT | _____ IN | _____ FT | _____ FT | _____ IN |

GROUTING DATA:

| Grout Type | No. of Sacks | Grout Weight | From | To |
|------------|--------------|--------------|----------|----------|
| CEMENT | 50 | 15.5 Lb/gal | 20.0 Ft | 0.0 Ft |
| _____ | _____ | _____ Lb/gal | _____ Ft | _____ Ft |

Describe grouting procedure _____

PUMPED TREMIE PIPE

SCREEN:

☒ Perforated pipe ☐ Manufactured
Diameter 16.00 Inches Length 140.0 FeetMaterial PVCSlot Size .051 Set From 91.0 Feet to 231.0 Feet

Other information _____

WAS A PACKER OR SEAL USED?

☐ Yes ☒ No

If so, what material? _____

Describe packer(s) and location _____

DISINFECTION: Was well disinfected upon completion?

☒ Yes, How? HTH
☐ No, Why Not? _____
Lab to which water
quality sample sent for analysis _____Well Owner: LEONARD DANIELSKIBusiness Name: DANIELSKI HARVESTING & FARMINGAddress: P.O. BOX 230City, State, Zip: VALENTINE NE 69201

WELL LOG:

| FORMATION | DEPTH | |
|---------------------------------|-------|-----|
| | FROM | TO |
| top soil | 0 | 2 |
| sand / fine - med | 2 | 10 |
| sand w/ clay | 10 | 86 |
| sandstone | 86 | 104 |
| sand w/ clay | 104 | 118 |
| sand / fine - med | 118 | 186 |
| sand / fine - med - some coarse | 186 | 208 |
| red rock | 208 | 240 |

STATIC WATER LEVEL 80.0 FEET

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ Inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced flow rate _____ GPM

Can well be completely shut in? _____

WELL TEST DATA:

☒ Pumped Describe: _____☐ Bailed☐ Other

Pumping Level Below Land Surface

198.0 Ft. After 2.0 Hrs. pumped 700.0 GPM182.0 Ft. After 2.0 Hrs. pumped 650.0 GPMIf pump installed, pump rate: 400.0 GPM

REMARKS

RECEIVED

APR 29 2015

WATER RIGHTS
PROGRAMThis well was drilled under license # 189 and this
report is true and accurate.Drilling firm: GROSCH IRRIGATION CO., INC.

Signature of License Representative: _____

Signature of Well Owner or Equitable Property Holder: _____

Date: _____



**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 E. CAPITOL AVE
PIERRE SD 57501-3182
danr.sd.gov

Nos. 1224-2
2096-2

June 16, 2025

Mission Farms Inc.
c/o Leonard Danielski
PO Box 230
Valentine NE 69201

Dear Mr. Mr. Danielski,

On June 9, 2025, at 8:50 pm, a staff member from the Department of Agriculture and Natural Resources (DANR) observed overspray from the irrigation system located in the NE 1/4 NE 1/4 Section 28-T37N-R29W onto the adjacent north – south road (see attached). This irrigation system is covered by Water Right No. 1224-2 and again on June 9, 2025, at 9:10 pm, a staff member observed overspray from the irrigation system located in the SW 1/4 Section 34-T37N-R29W onto the adjacent north – south road (see attached). This irrigation system is covered by Water Right No. 2096-2 with you listed as operator.

It is common for center pivots to have stops which are used to shut off the end gun when the pivot nears a road. Please take steps to ensure end gun stops are functioning properly so there is not direct overspray on to the road.

A water right holder is not allowed to waste water or operate an irrigation system in violation of state water law, which includes end gun overspray upon lands, including roadways, not covered by the water right. Application of water to a roadway or unauthorized lands is a waste and unreasonable use of water pursuant to SDCL 46-1-4.

If you don't believe this irrigation system is causing the overspray, or if you have any questions, please contact me at (605) 773-3352 or by email at ron.duvall@state.sd.us.

Thank you for your cooperation,

Ron Duvall
Water Rights Program, DANR

enclosure

On June 9, 2025, at 8:50PM DANR Water Rights Staff documented overspray occurring from a center pivot authorized by Water Right No. 1224-2. Additional documentation is shown below.

Picture of Overspray Occurring



Picture is facing south and picture location is approximately 0.25 miles south of the intersection of 293rd ST and 269th Ave in Todd County (43.15382N, 100.74875W). pivot

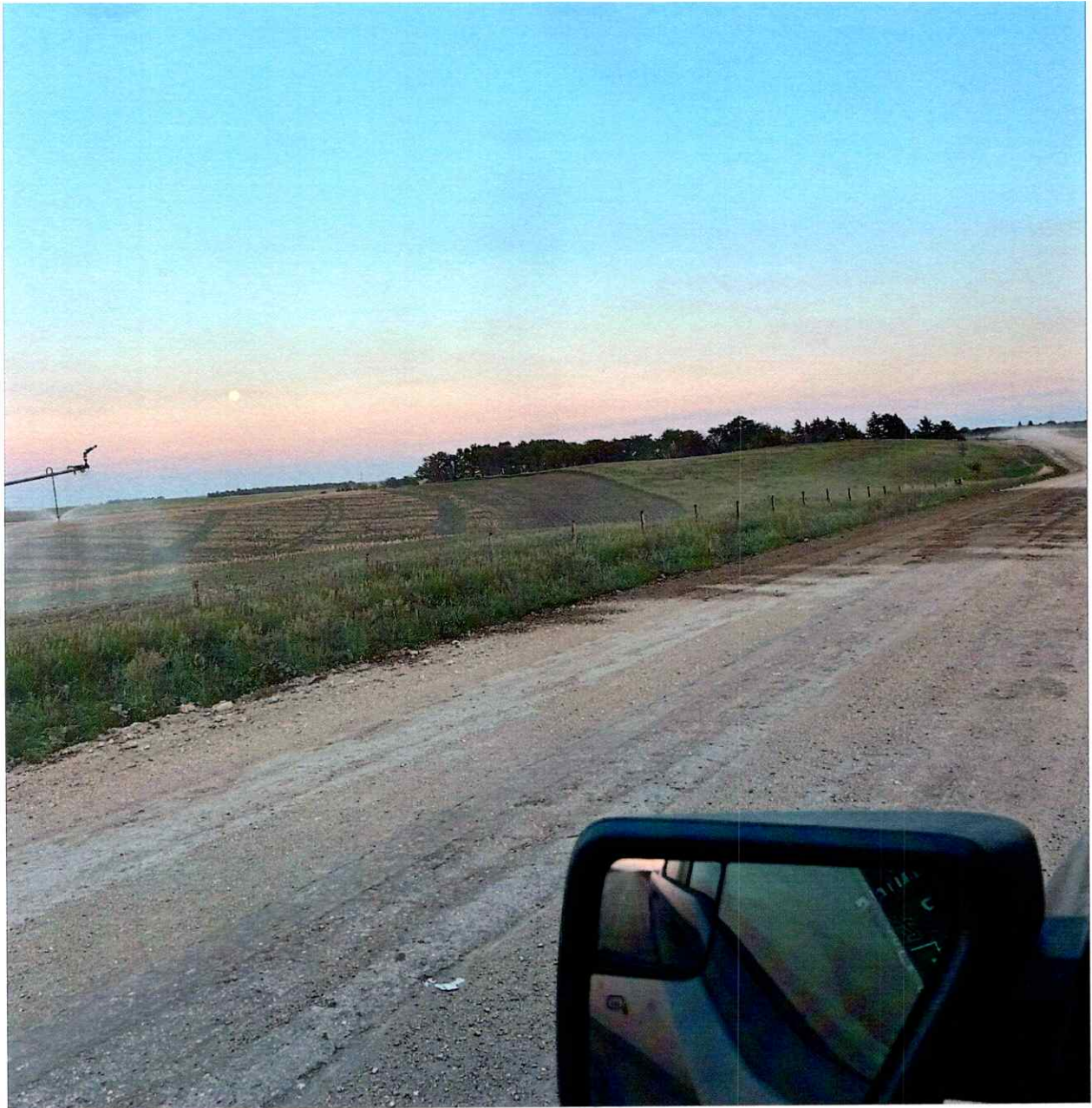
Map of picture/report location and area water rights/permits

Permit Responsible: 1224-2



On June 9, 2023, at 9:10 pm DANR Water Rights Staff documented overspray occurring from a center pivot authorized by Water Right No. 2096-2. Additional documentation is shown below.

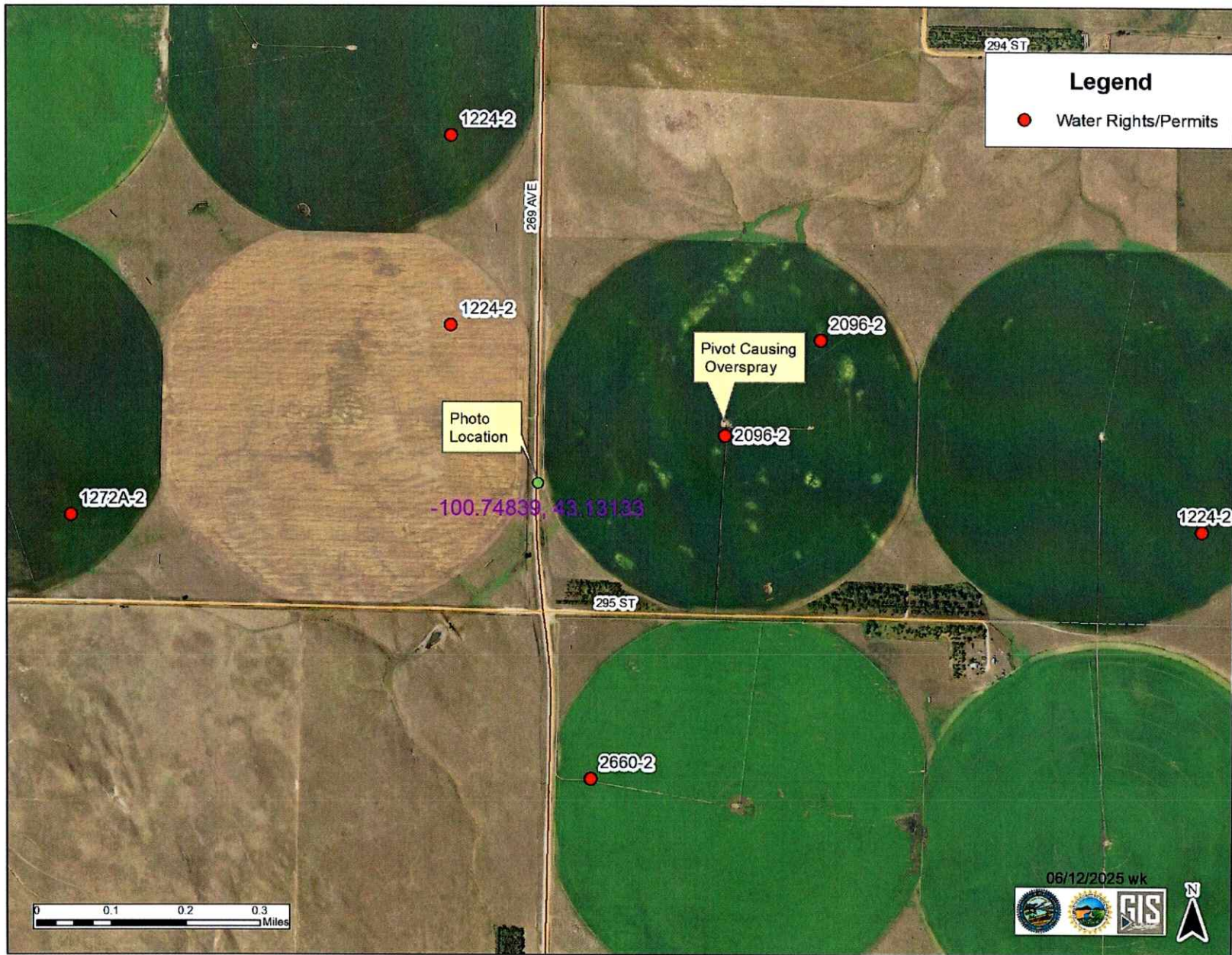
Picture of Overspray Occurring



Picture is facing south and picture location is approximately 1/8 miles north of the intersection of 295th and 269th Ave in Todd County. (43.13133,-100.74859)

Map of picture/report location and area water rights/permits

Permit Responsible: 2096-2



SOUTH DAKOTA WATER WELL COMPLETION REPORT

2024

Location NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec 28 Twp 37 Rg 29W

County

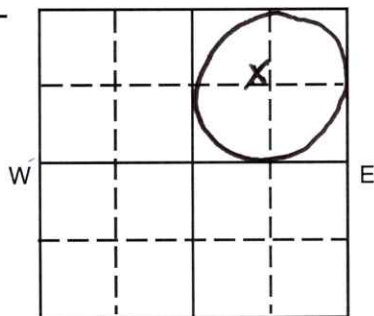
Todd

GPS Coordinates

Lat: N 43 09 15.24

Lon: W -100 45 14.21

North



Please mark well location with an "X" on section grid

Well Completion Date

9/11/2025

← 1 Mile →

Distance from nearest potential pollution source (Septic tank, abandoned well, feed lot, etc.)

? 60 ft. from Abandoned Irrigation Well (identify source)

PROPOSED USE:

- ☐ Domestic/Stock ☐ Municipal ☐ Business ☐ Monitoring Well
☒ Irrigation ☐ Industrial ☐ Institutional ☐ Test Hole
☐ Dewatering Well ☐ Geothermal ☐ Other _____

METHOD OF DRILLING: Reverse Circulation Rotary

CASING DATA:

☐ Steel ☒ Plastic ☐ Other

If other describe _____

| PIPEWEIGHT | DIAMETER | FROM | TO | HOLE DIAMETER |
|--------------|--------------|-------------|---------------|---------------|
| SDR 26 LB/FT | <u>16</u> IN | <u>0</u> FT | <u>130</u> FT | <u>28</u> IN |
| LB/FT | IN | FT | FT | IN |
| LB/FT | IN | FT | FT | IN |

GROUTING DATA:

| Grout Type | No. of Sacks | Grout Weight | From | To |
|----------------|--------------|--------------------|-----------------|-----------------|
| Neat Cement | <u>190</u> | <u>15.5</u> Lb/gal | <u>5.0</u> Ft | <u>100.0</u> Ft |
| 3/8" hole plug | <u>40</u> | <u>3000</u> Lb | <u>100.0</u> Ft | <u>110.0</u> Ft |

Describe grouting procedure Neat Cement Grout with Trimie Line Hole plug from 100 to 110 ft Gravel Pack 110 ft to 200 ft

SCREEN:

☒ Perforated pipe ☐ Manufactured

Diameter 16 Inches Length 70.0 Feet

Material PVC

Slot Size .050" Set From 130.0 Feet to 200.0 Feet

Other information Jet Stream Manufacturing

WAS A PACKER OR SEAL USED?

☐ Yes ☒ No

If so, what material? _____

Describe packer(s) and location _____

DISINFECTION: Was well disinfected upon completion?

☒ Yes, How? Chlorination during gravel packing and test pump
☐ No, Why Not? _____

Lab sample sent to for water quality analysis Replacement Irrigation Well

Well Owner: Mission Farms Inc

Business Name: atkinson Leonard Danielski

Address: PO Box 230

City, State, Zip: Valentine, NE 69201

402-376-3039

WELL LOG:

| FORMATION | DEPTH | |
|----------------------------------|-------|-------|
| | FROM | TO |
| Top Soil | 0.0 | 3.0 |
| Fine and Medium Sand | 3.0 | 18.0 |
| Hard Siltstone | 18.0 | 23.0 |
| Fine Sand | 23.0 | 36.0 |
| Sand Stone and Silt Stone Layers | 36.0 | 100.0 |
| Fine Sand | 100.0 | 120.0 |
| Coarse Sand Pepper | 120.0 | 160.0 |
| Fine Sand and clay layers | 160.0 | 178.0 |
| Medium Sand | 178.0 | 188.0 |

STATIC WATER LEVEL

82.0 FEET

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ Inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced flow rate _____ GPM

Can well be completely shut in? Well does not flow

WELL TEST DATA:

☒ Pumped Describe: Test Pump with Line shaft Turbine and portable diesel engine
☐ Bailed ☐ Air
☐ Other

Pumping Level Below Land Surface

131.0 Ft. After 3.0 Hrs. pumped 350.0 GPM

145.0 Ft. After 3.0 Hrs. pumped 450.0 GPM

If pump installed, pump rate: 350.0 GPM

REMARKS

Brule Formation from 188 to 200 ft
Well pumps excessive sand if pumping over 450 gpm. No sand issues at 350 gpm

This well was drilled under license # _____

And this report is true and accurate.

Drilling firm: Beck's Well and Irrigation

Signature of License Representative: _____

Signature of Well Owner or Equitable Property Holder: _____

Signature of Well Owner or Equitable Property Holder: _____

Signature of Well Owner or Equitable Property Holder: _____

Signature of Well Owner or Equitable Property Holder: _____

Date: 12-4-2025

Please return White Copy to DANR Water Rights 523 E. Capitol Ave., Pierre SD 57501

Danielski #6 Replacement well

RECEIVED

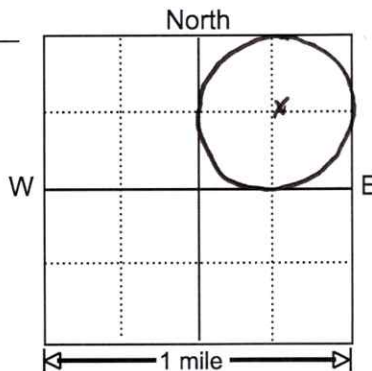
DEC 09 2025

OFFICE OF
WATER

SOUTH DAKOTA WELL AND TEST HOLE PLUGGING REPORT 11-02

Location NE 1/4 NE 1/4 Sec 28 Twp 37 Rg 29WCounty Todd

Please mark well location with an "X"

Plugging Completion Date 9-12-2025

Well Owner:

Name: Mission Farms IncAddress: PO Box 230City, State, Zip: Valentine, NE 69210

Comments:

This well was drilled in late 1970's it is not registered with state of South Dakota. ~~There~~ There are 2 wells that pump into this pivot other well is in SE of NE 1/4 1500' from center point on outside of the field total 6pm 750

CHECK APPROPRIATE BOX

EXISTING WELL ☒TEST HOLE ☐Well depth 194' measuredCasing material Steel Black SteelCasing size(s) 16"Casing condition Good

Hole depth _____

Hole size _____

Bowl Assembly rubbed through well screen at 185 ft. Filled pump with Gravel

Describe plugging procedure:

Filled well with Gravel up to 80 ft
We removed old pump from the well.

Describe grout or plugging material:

Filled well with Holeplug from 80' to 5' Deep. Cutoff Casing 5' below surface, welded steel Plate on top of well casing.

Type of non-slip plug: Steel Plate 1/4" thick welded to top of casingThis well or test hole was plugged under license # 377 and this report is true and accurate.Drilling firm: Beck's well and Irrigation Ainsworth NE 69210Signature of Licensed Representative: Tommy BeckSignature of Well Owner: Donna AinsworthDate: 12-4-2025

RECEIVED

DEC 09 2025

OFFICE OF
WATER

WATER RIGHTS PROGRAM -- FILE DOCUMENTATION

NAME & ADDRESS: Mission Farms Inc c/o Leonard Danielski – Valentine NE

DATE: 02/10/2026

TELEPHONE: 402-376-3039

RE: Replacement Well

COMMENTS:

There is no assigned legal description beyond “NE ¼ Section 28-T37N-R29W” assigned to the diversion point in question for WR No. 1224-2. The distance from the NE corner, recorded during the licensing inspection would place the original well in the approximate center of the NE ¼, which would remain consistent for the replacement well identified for the well completed on 09/11/2025.

Based on the above information, no change in diversion point will be necessary (SDCL 46-5-13.1)



Amanda Dewell
Permitting Administrator
Water Rights Program

SOUTH DAKOTA WATER WELL COMPLETION REPORT

2024

Location NW 1/4 NE 1/4 Sec 28 Twp 37 Rg 29W

County

Todd

GPS Coordinates

Lat: N 43 09 15.24

Lon: W -100 45 14.21

Please mark well location with an "X" on section grid

Well Completion Date

9/11/2025

Distance from nearest potential pollution source (Septic tank, abandoned well, feed lot, etc.)

? 60 ft. from Abandoned Irrigation Well (identify source)

PROPOSED USE:

- ☐ Domestic/Stock ☐ Municipal ☐ Business ☐ Monitoring Well
☒ Irrigation ☐ Industrial ☐ Institutional ☐ Test Hole
☐ Dewatering Well ☐ Geothermal ☐ Other _____

METHOD OF DRILLING: Reverse Circulation Rotary

CASING DATA: ☐ Steel ☒ Plastic ☐ Other

If other describe _____

| PIPEWEIGHT | DIAMETER | FROM | TO | HOLE DIAMETER |
|--------------|----------|------|--------|---------------|
| SDR 26 LB/FT | 16 IN | 0 FT | 130 FT | 28 IN |
| LB/FT | IN | FT | FT | IN |
| LB/FT | IN | FT | FT | IN |

GROUTING DATA:

| Grout Type | No. of Sacks | Grout Weight | From | To |
|----------------|--------------|--------------|----------|----------|
| Neat Cement | 190 | 15.5 Lb/gal | 5.0 Ft | 100.0 Ft |
| 3/8" hole plug | 40 | 2000 Lb/gal | 100.0 Ft | 110.0 Ft |

Describe grouting procedure Neat Cement Grout with Trimie Line Hole plug from 100 to 110 ft Gravel Pack 110 ft to 200 ft

SCREEN: ☒ Perforated pipe ☐ Manufactured

Diameter 16 Inches Length 70.0 Feet

Material PVC

Slot Size .050" Set From 130.0 Feet to 200.0 Feet

Other information Jet Stream Manufacturing

WAS A PACKER OR SEAL USED? ☐ Yes ☒ No

If so, what material? _____

Describe packer(s) and location _____

DISINFECTION: Was well disinfected upon completion?

☒ Yes, How? Chlorination during gravel packing and test pump

☐ No, Why Not? _____

Lab sample sent to for water quality analysis Replacement Irrigation Well

Well Owner: Mission Farms Inc

Business Name: attribution Leonard Danielski

Address: PO Box 230

City, State, Zip: Valentine, NE 69201

402-376-3039

WELL LOG:

| FORMATION | DEPTH | |
|----------------------------------|-------|-------|
| | FROM | TO |
| Top Soil | 0.0 | 3.0 |
| Fine and Medium Sand | 3.0 | 18.0 |
| Hard Siltstone | 18.0 | 23.0 |
| Fine Sand | 23.0 | 36.0 |
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| Fine Sand | 100.0 | 120.0 |
| Coarse Sand Pepper | 120.0 | 160.0 |
| Fine Sand and clay layers | 160.0 | 178.0 |
| Medium Sand | 178.0 | 188.0 |

STATIC WATER LEVEL 82.0 FEET

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ Inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced flow rate _____ GPM

Can well be completely shut in? Well does not flow

WELL TEST DATA:

☒ Pumped Describe: Test Pump with Line shaft Turbine and portable diesel engine

☐ Bailed ☐ Air

☐ Other

Pumping Level Below Land Surface

131.0 Ft. After 3.0 Hrs. pumped 350.0 GPM

145.0 Ft. After 3.0 Hrs. pumped 450.0 GPM

If pump installed, pump rate: 350.0 GPM

REMARKS

Brule Formation from 188 to 200 ft
Well pumps excessive sand if pumping over 450 gpm. No sand issues at 350 gpm

This well was drilled under license # 377

And this report is true and accurate.

Drilling firm: Beck's Well and Irrigation

Signature of License Representative: _____

Signature of Well Owner or Equitable Property Holder: _____

Date: 12-4-2025

Please return White Copy to DANR Water Rights 523 E. Capitol Ave., Pierre SD 57501

Danielski #6 Replacement well