

Hold until 11:30
many years in 2nd floor
on 15th St

13 well
38' deep - 16" steel 10' frame
1.40 CM 1/2

5/10/62

Not to be taken before 6:00 PM
Produce by 10:00 PM to 11:00 PM

2nd Bureau C.C. to River Pass

800 P.M.

Valley 7 trees across September

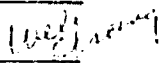
52' deep 16" opening 15' N of well
3-12 CH

Power by 50KVA & 0.6 kV motor

800 6, PM

10' tower valley corner system

Water Right Number 2918-3

1. Considered 9-19, 19 76
2. Name of Applicant ROBERT DRESSEN
3. Post Office Address DELL RAPIDS
4. Amount of water claimed 6.52  cfs
5. Source of water supply 3-40 WELLS
6. Water to be used for IRRIGATION
- Acres to be irrigated 457
7. Water to be diverted and used in MINNEHAWA County
about 2 S, 6W Miles of DELL RAPIDS
8. Proof of Publication  Received 9-21-76
Not received _____
9. Application Approved 3-20-78 
Subject to _____
Not approved _____
Action deferred _____

10. Remarks:



No. 2918-3
 Map No. 2251-3 Water Division No. 3 Big Sioux River District 1
 (Blanks to be filled by the Engineer for the W. R. C.)


APPLICATION FOR PERMIT

To Appropriately Water within the State of South Dakota

(NOTE - Draw a line through items not applicable)

1. Name of Applicant Robert Dressen
 Postoffice address P.O. #2 Dell Rapids, State South Dakota
 If a corporation show date and place of incorporation _____
2. Method of accomplishing work (contract, employment of others, or by direct labor) direct labor
3. Name of diversion work _____
4. Amount of water claimed (cubic feet per second) 6.52
5. Source of water supply 3 wells
6. Location of point of diversion Well #1 - 2620 ft W, 1320 ft S, NE Corner of Sect 16-104-50
Well #2 - 2620 ft W, 1890 ft N of SE Corner of Sect 16-104-50
Well #3 - 2620 ft W, 660 ft N of SE Corner of Sect 16-104-50 County Minnehaha
7. Annual period or periods during which water is to be used May - April - November
8. Use to be made of water. (irrigation, industrial, municipal, commercial, recreation, etc.) irrigation
9. For irrigation use. Total number of acres to be irrigated 457

List below each forty-acre subdivision, or lot, or fraction thereof and show number of acres to be irrigated in each.

Land Description	No. Acres Irr.	Land Description	No. Acres Irr.
NE 1/4 of the NE 1/4 Sect 16 T104N R50W	36	NE 1/4 of the SE 1/4 Sect 16 T104N R50W	39
NW 1/4 " "	38	NW 1/4 " "	39
SE 1/4 " "	33	SE 1/4 " "	38
SW 1/4 " "	40	SW 1/4 " "	38

Attach sheet if more space is needed - continued

10. Time required to complete construction of water supply system 5 years. Additional time required to complete application of water to the proposed beneficial use 4 years.
11. Choice of newspaper for Notice of Intent to Appropriately Water publication Dell Rapids Tribune
12. Principal Features of the Proposed Water Supply System.

A. Works proposed to divert water from its natural source. WellsB. Works proposed to transport water to place of use. underground PVC pipeC. Works proposed to apply water to beneficial use. irrigation systemEstimated Total Cost \$ 150,000.
 Attachments: Attach Form 2A if diversion from a well or dugout, or if storage of water, is proposed. Attach map.
 (See instructions concerning preparation.)

STATE OF SOUTH DAKOTA)

County of Minnehaha) ss.
 I, Robert Dressen, the applicant, certify that I have read the foregoing application and have examined the attached map and that the matters therein stated are true and that I intend, and am able to complete the necessary construction.
Signed Robert DressenSubscribed and sworn to before me this 23 day of Dec. 19 31

Notary Public (or other qualified officer)

I, S B Howe a surveyor hereby certify that I have made a survey
of the Dell Rapids Reservoir for the Sioux Falls Light and Power
Company and that the map of the same as shown hereon correctly
represents said survey.

S B Howe

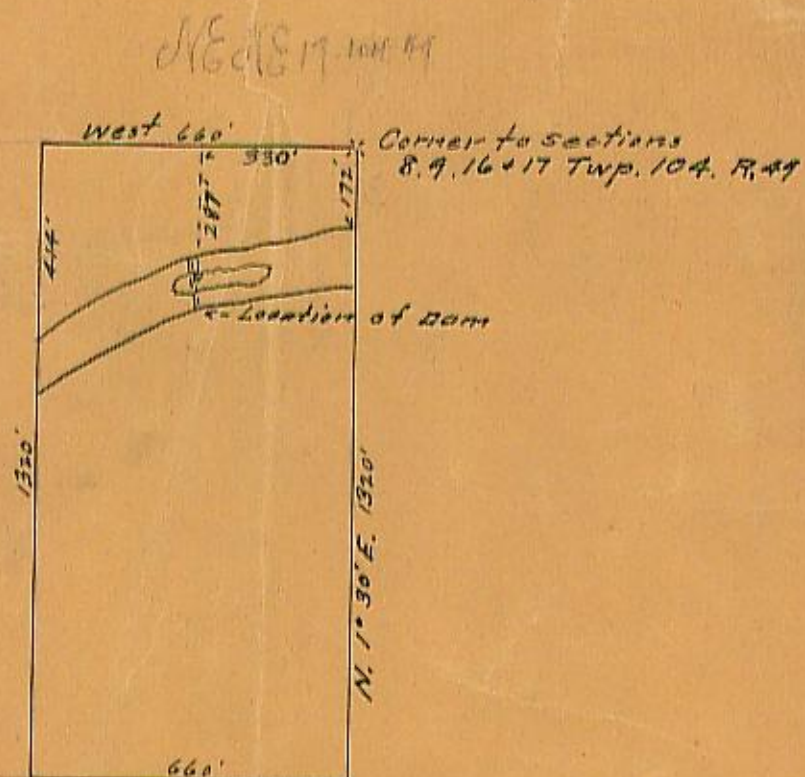
Subscribed and sworn to this 13th day of September A.D. 1907

Fred H. Reed

Notary Public

South Dakota.

Scale - 1 inch = 400 feet.



App. # 562-3
2918-3
4093-3
4898-3
4513-3

WATER RIGHT APPLICATION APPROVAL

The Water Rights Commission hereby approves Water Right Application No. 2918-3
ROBERT DRESSEN R.R. #2, DELL RAPIDS
 (Applicant) (Post Office Address)
SOUTH DAKOTA 57022 With the following modifications.
 (State)

The irrigation wells approved under this Permit will be located near domestic wells and other irrigation wells which may obtain water from the same aquifer. The irrigation well owner, under this Permit, shall control his irrigation withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in irrigation wells having prior water rights.

Wells approved under this Permit shall be spaced so that there is at least 660 feet between wells.

Date of first receipt of application AUGUST 4, 19 76
 Date of return to applicant for correction, amendments or changes required _____, 19 ____
 Date of receipt of corrected application AUGUST 25, 19 76
 Approved MARCH 29, 19 78, Recorded in Book 19 Page 285

WATER RIGHT PERMIT NO. 2918-3

The Water Rights Commission hereby grants and issues this Water Right Permit No. 2918-3 authorizing the construction of the water use system and the putting of water to beneficial use as stated in the Application and as modified in the Water Right Application approval, subject, however, to the following limitations and conditions:

1. The date from which applicant may claim right is AUGUST 4, 19 76
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before SEPT. 29, 19 80
3. The whole of said work is to be completed on or before MARCH 29, 19 83
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is MARCH 29, 19 87
5. The water appropriated shall be used for the purpose of IRRIGATION
6. The prior right of all persons who, by compliance with the laws of the State of South Dakota, have acquired a right to the use of water must not be injuriously affected by this appropriation.
7. The amount of the appropriation herein granted shall not exceed 6.52 cubic feet per second; neither shall it exceed the capacity of the above described water supply system, nor shall it exceed the amount of water needed for beneficial uses served, and if for the irrigation purposes said appropriation must be limited to not more than 3 acre feet per acre per year and be limited to not more than one-seventieth (1/70) of one cubic foot of water per second of time for each acre of land to which water is actually and beneficially applied for irrigation on or before MARCH 29, 19 83; said water to be used during the following described annual period: APRIL - NOVEMBER

Witness my hand this 5th day of APRIL, 19 78

WATER RIGHTS COMMISSION

By:

John Welch
 Chief Engineer, Executive Officer

Certificate of Construction Issued _____, 19 ____

Water License Issued _____, 19 ____

Robert Dressen

RR #2 Dell Rapids, S. Dak.

Subdivisions to be irrigated - continued

Land Description		No. Acres Irr.
NE $\frac{1}{4}$ of the NW $\frac{1}{4}$ Sect 22 T10 $\frac{1}{2}$ N R50W		38
NW $\frac{1}{4}$	"	39
SE $\frac{1}{4}$	"	40
SW $\frac{1}{4}$	"	39

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

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

3 Similar Wells

D. Well Information or Estimates

(1) Drill Hole, Diameter 12", Depth 45'

(2) Casing, Type Steel (wood, concrete, steel, etc), Diameter 14", Thickness .25"

(3) Perforated Screen.

Type Roller Screen, Diameter 14", Length 10'

(4) Gravel Pack, Thickness 3", Length of gravel pack 40'

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 0-3 Sand Layer

3-40 Sand & Gravel

Depth to top of water bearing material 3'

Depth to bottom of water bearing material 40'

Thickness of water bearing material 37'

Depth to water (ground surface to water level) 14'

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

Minimally On same owner's property 120 rds. On property owned by others 60 rds.

G. Water Storage Dams.

If the proposed water use system contains one or more water storage dams, please show in the space below, the height, maximum water depth, surface area and storage capacity of each storage dam. The location of each water storage dam should be shown on the water right map.

Robert D. Dessen
Signature of Applicant

August 16, 1975

Robert Drossen
RR #2
Dell Rapids, SD 57952

Dear Mr. Drossen:

Enclosed herewith is the original copy of the report on analysis on your water sample #76-20, received here recently. I am also enclosing a copy of AIS publication 11. On the outside back cover of this pamphlet there is a water quality chart with the space and ability to put your water for irrigation indicated by a red cross in that chart. It is in the medium to high salinity category but is low in sodium.

Accordingly, it is well suited to irrigation use in the chloride zone of Minnesota County. There should be no critically induced soil problems as a result of the use of this water. The soil salinity you propose to irrigate are satisfactory as far as induced is concerned.

A copy of this letter is accompanying the MS-1 form which you submitted and and a copy of the water analysis to the State Conservation Commission in Pierre for their action.

Sincerely yours,

L. O. Pine

L. O. Pine
Water Quality Lab

cc-State Conservation Commission
(etting Industries
D. Pahl)

LOP:jad
Inclosures

CONSERVATION
COMMISSION
FORM VI 61

STATE CONSERVATION COMMISSION
SUPPORTING INFORMATION
FOR APPROPRIATION OF GROUND WATER IN ACCORDANCE
WITH SDCL 46-6-3 AS AMENDED
(THIS FORM REQUIRED FOR PROPOSED GROUND WATER IRRIGATION ONLY)

NAME Robert Dessen
ADDRESS RR #2 Bell Rapids, South Dakota
COUNTY Minnehaha

LEGAL DESCRIPTION

Well #1 - NW 1/4 Sec. 16-104-50
Well #2 - NW 1/4 Sec. 16-104-50
Well #3 - SW 1/4 Sec. 16-104-50

1. WELL LOCATION

2. LOCATION OF AREA TO BE IRRIGATED NE 1/4, SE 1/4, NW 1/4, SW 1/4, Sec. 16-104-50 and NE 1/4, SE 1/4, NW 1/4, SW 1/4, Sec. 22-104-50

TYPE OF IRRIGATION

3. GRAVITY _____ TOWLINE _____ CENTER PIVOT X SURF _____
4. CROPS TO BE IRRIGATED CORN BEANS

WATER QUALITY

5. SAMPLE NUMBER 76-908

6. SALINITY (EC X 10⁶) 76.9 (Cond. 100)

7. SODIUM (SAR) 0.78 (Cond. 100)

8. RESIDUAL SODIUM CARBONATE (C₄/1.) 0

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

Robert Dessen
APPLICANT'S SIGNATURE

SUBSCRIBED AND SWORN BEFORE ME THIS
25 DAY OF July 19 76

[Signature]
(TITLE OR SEAL)

Albert D. Huth
APPROVED/DISAPPROVED

(SOILS INFORMATION ON REVERSE SIDE)

Class I Soils	Savez H. 10 NW 1/4 Sec. 22-104-50 MoA Es Sec. 16-104-50
Class II Soils	
Class III Soils	
Class IV Soils	

NARRATIVE

- An Local alluvial land, drainage ways
Deep, medium and moderately fine textured, poorly drained immature soils of colluvial alluvial material. They occur in upland drains and swales and are very frequently flooded.
- AcA Alcester silt loam, 1 to 3% slopes
Deep, medium, and moderately fine textured, moderately well drained immature soils of colluvial alluvial material. Occur in narrow upland valleys adjacent to drains and at the bases of steep slopes.
- BVC2 Buse Vienna loams, 5 to 9% slopes, eroded
Complex occurs on sloping, somewhat excessively drained uplands. Is calcareous and its organic matter content is low. Formed in glacial till on rolling and steep uplands.
- EgB Egeland loam, 3 to 5% slopes
Deep, medium textured with sandier subsoils developed in eolian or outwash sands. These soils are droughty and subject to wind erosion.
- Esa Estelline silt loam, 0 to 3% slopes
Medium textured, permeable soil that is deep (36" to 48") to gravel, somewhat droughty during extended periods of insufficient moisture.
- FaB2 Flandreau loam, 3 to 5% slopes, eroded
- FaC2 Flandreau loam, 5 to 9% slopes, eroded
Deep, medium textured, permeable silty soil over sandy underlying material. Droughty during extended moisture deficiency.
- KrC2 Kranzburg silty clay loam, 5 to 9% slopes, eroded
Deep, moderately fine textured soils developed in glaciated uplands that are thinly mantled by loess. Erosion is a problem on sloping land.
- MoA Moody silty clay loam, 1 to 3% slopes
- MoB Moody silty clay loam, 3 to 5% slopes
Deep, moderately fine textured, good permeability developed in loess. Erosion is a problem on sloping areas.
- MoC2 Moody Nora silty clay loam, 5 to 9% slopes, eroded
Deep, moderately fine to medium textured soils having good permeability in calcareous loess. Erosion is a hazard on these soils.

Narrative cont.

NC62 Horn Crofton silt loam, 5 to 9% slopes, eroded

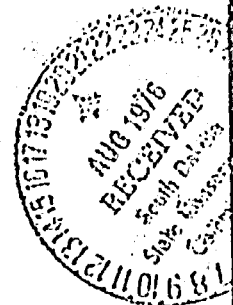
Deep, medium textured permeable soil with thick and thin topsoil somewhat excessive to excessively drained, developed in calcareous loess.

WnC Vienna silty loam, 5 to 9% slopes

Deep, medium textured soils with heavier subsoil developed in glacial till. Erosion is a problem on sloping land.

W6A Fordville loam, 3 to 5% slopes

These soils are moderately deep (20" to 36") to gravel. Medium textured and permeable in upper layers but excessive in the gravel. Somewhat droughty and subject to wind erosion during years.



REPRODUCTION: REDUCTION 23.7
ROLL NO. 26
DATE REPRODUCED: 11/10/88
CINEMA OPERATOR: [illegible]

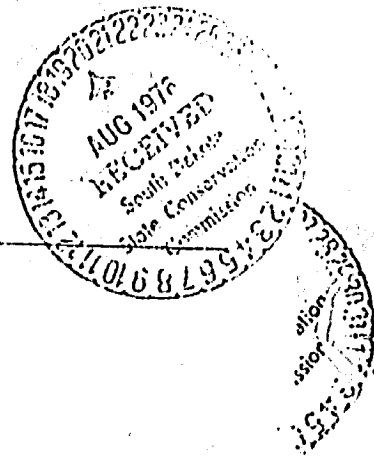
REPORT OF ANALY
Water Quality Laboratory
Water Resources Research Institute
South Dakota State University
Brookings, South Dakota 57006

Submitted by: _____ Date Rec'd: _____
 Address: _____ Sample No.: _____
 _____ Identification: _____

WATER ANALYSIS

Calcium (Ca)	108	ppm*	4.10	me/l**
Magnesium (Mg)	6	ppm	0.21	me/l
Sodium (Na)	13	ppm	0.57	me/l
Potassium (K)	0	ppm	0.00	me/l
Sulfate (SO ₄)	103	ppm	3.65	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	10	ppm	0.35	me/l
Bicarbonate (HCO ₃)	103	ppm	3.65	me/l
Carbonate (CO ₃)		ppm		me/l
Iron (Fe)		ppm		me/l
Fluoride (F)		ppm		me/l
Hardness (EDTA as CaCO ₃)		ppm		me/l
Alkalinity (Methyl Orange)	104	ppm (as CaCO ₃)		g.p.g.***
Alkalinity (Phenolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	169	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	0.28			
Sodium	5.29%	of cations		
Residual sodium carbonate	0.00	me/l		
pH	7.20			
Others:				

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



COMMENTS: Total cations 8.92 me/l
 Total anions 7.61 me/l

By: _____

Service Performed	Amount Due
Ironation only	0.00

Make checks payable to: Water Quality Laboratory

Cut along dotted line and return the lower portion with payment

Sample No. 75-203 Amount Enclosed \$ _____
 Signed _____

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Minnehaha) ss

I, Corinne M. Petersen hereby
certify that the annexed printed copy of Notice of Intent to Appropriate
Water was taken from the Bell Rapids 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 of Bell Rapids
County of Minnehaha and State of South Dakota;
that the said notice was published in said newspaper on the following
two dates:

September 9, 1976

September 16, 1976

Corinne M. Petersen
(Signature)

(Title)

Sept. 20, 1976
(Date Signed)

Subscribed and sworn to before me
Norma M. Smith, Notary Public - 20 Sept. 1976

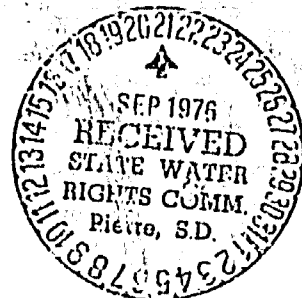
NOTARY PUBLIC
MINNEHAHA COUNTY, S.D.
MY COMMISSION EXPIRES
AUGUST 2, 1982

NOTICE
OF INTENT TO APPROPRIATE
WATER

Is hereby given that Robert
Dressé, whose post office address is
Bell Rapids, 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 6.52 cubic feet of water
per second of time from ground water
through the Dressé no. 1, the points
of diversion of which are to be located
in the NW 1/4 NE 1/4, NW 1/4 SE 1/4 and
SW 1/4 SE 1/4 of Section 16, Twp. 104 N,
Range 60W. Said water to be used for
the purpose of providing irrigation on
portions of the following described
land: E 1/2, Section 16; NW 1/4, Section
22, T104N, R50W. This application No.
2918-3 will be considered by the Water
Rights Commission at their office at
Pierre upon the 29th day of
September, 1976, at 10:00 A.M. All
interested persons may appear and be
heard.

Water Rights Commission
Burton F. Jones
Water Rights Specialist

T-Sept. 9-16



Publish first publication, on or before September 16, 1976NOTICE
INTENT TO APPROPRIATE WATER

Pierre, South Dakota : 7501

September 2, 1976Notice is hereby given that Robert Dressenwhose post office address is Dell Rapids, 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 use6.52 cubic feet of water per second of time from ~~the~~ ground water through the Dressen #1, the point ^s of diversion of which ^{are} ~~is~~ to be located in the _____NW $\frac{1}{4}$ NE $\frac{1}{4}$, NW $\frac{1}{4}$ SE $\frac{1}{4}$ and SW $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 16, Twp. 104N, Range 50W. Said water to be used for the purpose of providing irrigation on ^{portions of} the following described land:E $\frac{1}{2}$, Section 16; NW $\frac{1}{4}$, Section 22, T104N, R50WThis application No. 2918-3 will be considered by the Water Rights Commission at their office at Pierre upon the 29th day of September, 1976, at 10:00 A. M. All interested persons may appear and be heard.

WATER RIGHTS COMMISSION

By:

BURTON F. JONES
Water Rights Specialist

BFJ/bw

cc: Robert Dressen, R.R. #2, Dell Rapids, S.D. 57022

Department of Natural Resource Development

WATER RIGHTS COMMISSION
Joe Foss Building, Pierre, South Dakota 57501
Phone 605/224-3151

November 10, 1976

Robert Dressen
R.R. 2
Dell Rapids, South Dakota 57022

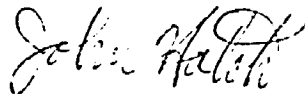
Re: 2918-3 ✓

Dear Mr. Dressen:

Your deferred Application No. 2918-3 will be reconsidered by the Water Rights Commission during their November 16, 17 and 18, 1976 meeting, at 9:00 a.m., November 18, 1976. Any comments concerning this application can be presented at this hearing. A copy of the "Report on Robert Dressen Water Right Application No. 2918-3" is enclosed for your information.

The Commission will be meeting at the Marvin Hughitt Hotel Ballroom, Huron. Please advise, if you have any questions concerning the hearing.

Very truly yours,



John Hatch, Chief Engineer

JH/cb

cc: Persons signing Petition
Objecting to Dressen
Application

Enclosure

Lloyd Randall
Well Rapids

Complaint against Robert
Museum Application

1 1/2 MILES NW OF DRESSEN WELL

HAS CONFINEMENT HOG
OPERATION AND IS CONCERNED
WITH LOWERING WATER LEVELS

428-3956

Eugene Hoffman

Salt Rapids

 428-3424.

Quinn about 1 mile

N of Dresden - 2.15' well



Drum. & Jewell -
Bell Rapids -

1/2 MILE FROM DRESSEN WELLS
(15'-18' DEEP.)
HAS SAND POINT WELLS FOR
CHICKEN FLOCK (ALL CONFINED)
IS CONCERNED. HE DOES NOT
KNOW HOW DEEP THE FORMATION
IS. INDICATED THAT EUGENE
BROWN WOULD BE IN AT THE
HEARING -

John Legge = 85'40'
Adjacent to Aleson
Application

Marj Sigebald -
opposed

Adria Kroghstad
Bell Rapids

opposed to Dreesen
concerned about
livestock water

Re 1.

RE 18

Robert L. Jensen is
wondering why he never
got his approval on app
2918-5 approved in Nov

He is also wondering
why Ronald Thompson
& Joe Berggraff's were
approved in Jan and his
are still deferred from
Sept. He says they're
in the same aquifer.

RR2

Box 76

Dell Rapids, SD

CALL BACK

AT AT

2:55 AM

11/18/50

Walter Visser

called and stated
he felt the
Robert Hanson application
should be defended
through a serious
pursuing to monetary
effects.

D. Randall
Bacteria

very concerned that
Marginal
his well will be
affected by the
Dresser App. He has
been having problems
for the past 6 months
with his well & has
been hauling water

Grayd Randall
Hell Rapids

very concerned with the
granting of the Drexler
app. Lives one mile
N of Drexler. Mr Randall
is concerned over water
supply ~~for his~~ for his
2000 hog operation
there are dry wells
around him now.

Believe the Drexlers
are asking for a large
amount of water.

Raf Brown
Lee Rapids

protesting the Dresden
App because of lack
of water in the area

Mr George Ferguson
Deer Rapids

is very much opposed
to allowing the
Deacons to put in
another sprinkler system
because of the drought
and the possible effect
on their farm well.

John Van Dorp
Shunk Creek is
almost dry - believes
no more permits
should be issued
from the Creek

M. J. James Brown
Well Rapids
Concerning Oregon App.

Does not believe
Oregon need this water
as he is going to take
it 3 miles from where
his well is located
and will be putting on
other lands

Believes this well
lowers the water level

Edgar Hoffman
Well Rapids
on Oregon App.

Does not believe any
more permits should
be issued in this area
until after a seasons
pumpage.

The lines on the Creek
this Creek was dry
until the rain
last week

REPORT ON
ROBERT DRESSEN WATER RIGHTS APPLICATION NO. 2918-3
NOVEMBER 8, 1976

The Water Rights Commission deferred action at the September 29-30, 1976 meeting on the Robert Dressen Water Rights Application No. 2918-3 pending an investigation by the Commission Staff. An investigation was conducted in Burk Township, Minnehaha County, October 28 and 29, 1976.

Proposed Project:

The application proposes to appropriate 6.52 cfs from 3 wells to irrigate 457 acres in the NE $\frac{1}{4}$ and SE $\frac{1}{4}$ of Section 16, T104N, R50W and the NW $\frac{1}{4}$ of Section 22, T104N, R50W. The wells will be located as shown on Attachment A.

Objections:

The Commission deferred action on the Dressen application when objections were received in a petition signed by 22 people.

Persons Contacted:

The following people were contacted during the two days of the investigation: Robert Dressen, Dennis Jensen, Lloyd Randall, Eugene Hoffmar, William Brown, Mrs. Robert Mergen and George Mergen.

Discussion:

The aquifer the Dressen application proposes to irrigate from, is a water table aquifer as shown by United States Geological Survey Report on the "Skunk Creek-Lake Madison Drainage Basin" conducted in 1965. The aquifer beneath the proposed Dressen irrigation project is one of three separate aquifers in the Skunk Creek-Lake Madison drainage basin. Outwash deposits in the drainage basin are not continuous and function as three separate aquifers connected only by surface flow. The Dressen project aquifer stores approximately 48,000 acre-feet of water. There are presently three other permits authorized for the same aquifer (see Attachment B):

<u>Name</u>	<u>Permit Number</u>	<u>CFS</u>	<u>Priority Date</u>
Ronald Thompson	1806-3	2.1	February 15, 1971

<u>Name</u>	<u>Permit Number</u>	<u>CFS</u>	<u>Priority Date</u>
Marvin Tellinghuisen	2923-3	1.7	August 24, 1976
William F. Bunde	3061-3	6.85	September 21, 1976

The Dressen application has a priority date of August 4, 1976 and would, if approved, be ahead of No. 2923-3 and No. 3061-3. Application No. 2923-3, about 4½ miles South of the Dressen project was approved at the September meeting and application No. 3061-3, about 5½ miles South of the Dressen project was approved at the October meeting, both without protest. The investigation has now shown all four projects to be in the same aquifer. There should be no interference between Dressen's project and the other projects, since the aquifer is under water table conditions.

The domestic wells located in this aquifer are mainly sand points varying from a depth of 12 to 15 feet below the surface. This type of well would not be considered an adequate well even though several sand point wells have provided water for many years.

The William Brown well located in Section 15, T104N, R50W is 57.6 feet deep with approximately 15 feet of water, which Mr. Brown indicated he could pump dry in 1½ hours. This information indicates either a well construction or maintenance problem or the formation is of such a nature that the water movement is very slow for recharge purposes. The Staff feels this well should not be protected as an adequate well.

The Robert Mergen domestic wells are new wells and located in NW¼ Section 16, T104N, R50W. The Mergen water levels could be affected by the proposed irrigation pumping due to the location of the irrigation wells and the depths of the Mergen wells. The wells could not be measured, but Mrs. Mergen indicated that the two sand point wells are approximately 15 feet deep. The test drilling done by Mr. Dressen indicates 37 feet of sands and gravels in this area. If the Mergen wells would not supply water during the irrigation season due to the Dressen irrigation pumping, the Mergen wells would need to be reconstructed at Mr. Mergen's expense to comply with minimum requirements for an adequate well before the Water Rights Commission should provide protection to the Mergen domestic wells. Water Rights Commission rules define an adequate well in a water table aquifer as a well in which the pump inlet can be placed at a depth below the ground water level equal to the anticipated water drawdown in the well at full pumping capacity plus at least three feet, but in any case not less than 20 feet, aquifer thickness permitting. No more than 15 feet of suction lift can be depended upon by facilities installed below the pump.

Conclusions:

Observation well S-23 (see Attachment C) does not reflect depletion of the ground water. If the Dressen application were approved, the total withdrawal for all four permits from this aquifer based upon 90 days of continuous pumping would be 3,065 acre-feet. The hydrologic properties and location of the aquifer are such that it can readily receive recharge as is evidenced by S-23 water levels since 1958.

Based upon available information, unappropriated water is available and the staff is recommending approval of the Dressen application. However, additional irrigation development from this aquifer should not be authorized for at least one irrigation season to monitor the affects of irrigation pumping.

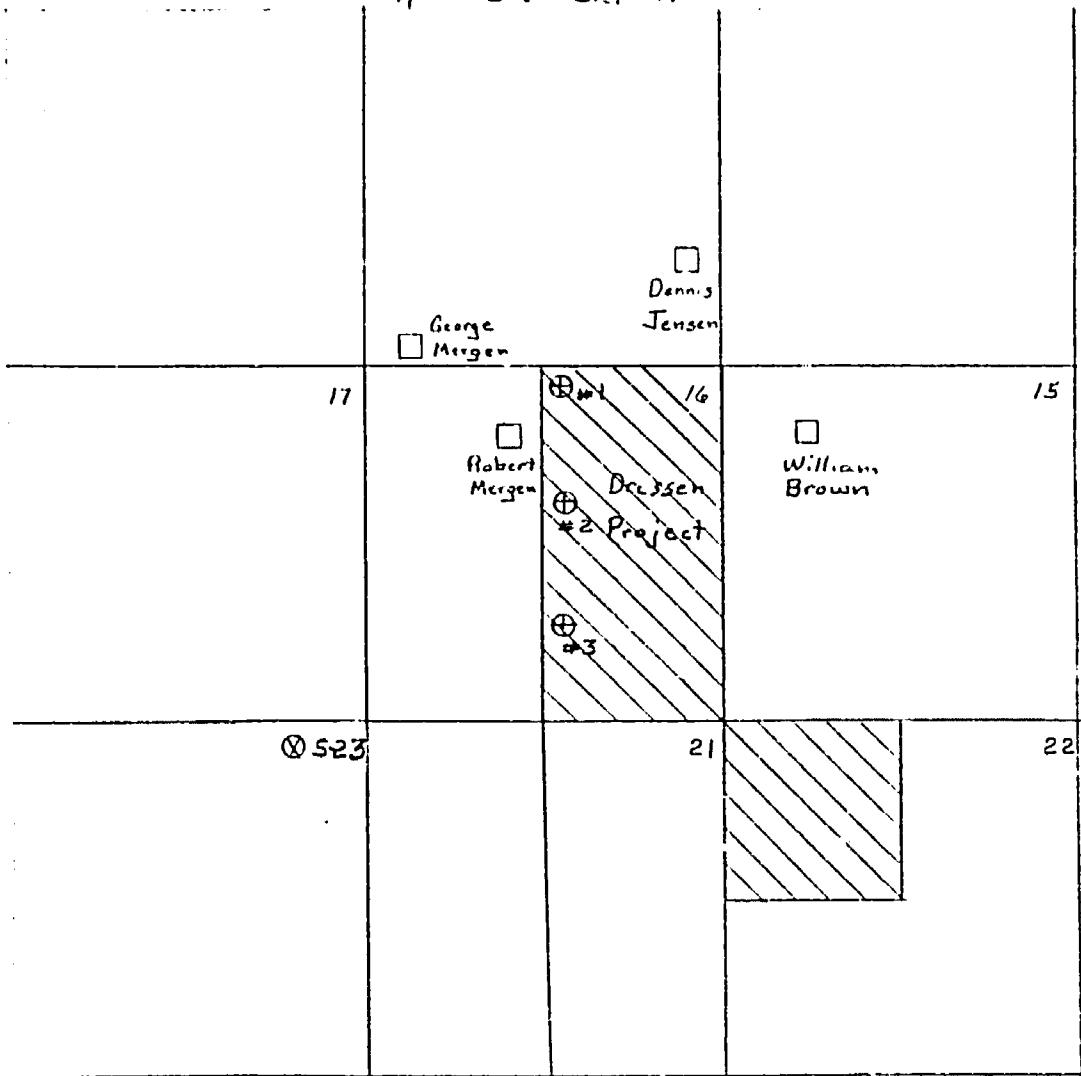
Recommendations:

The Commission staff recommends that the Robert Dressen Application No. 2918-3 be approved for 6.52 cfs with the following qualifications:

"The irrigation wells approved under this Permit are 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.

Gale N. Selken
Water Resources Engineer

Attachment A

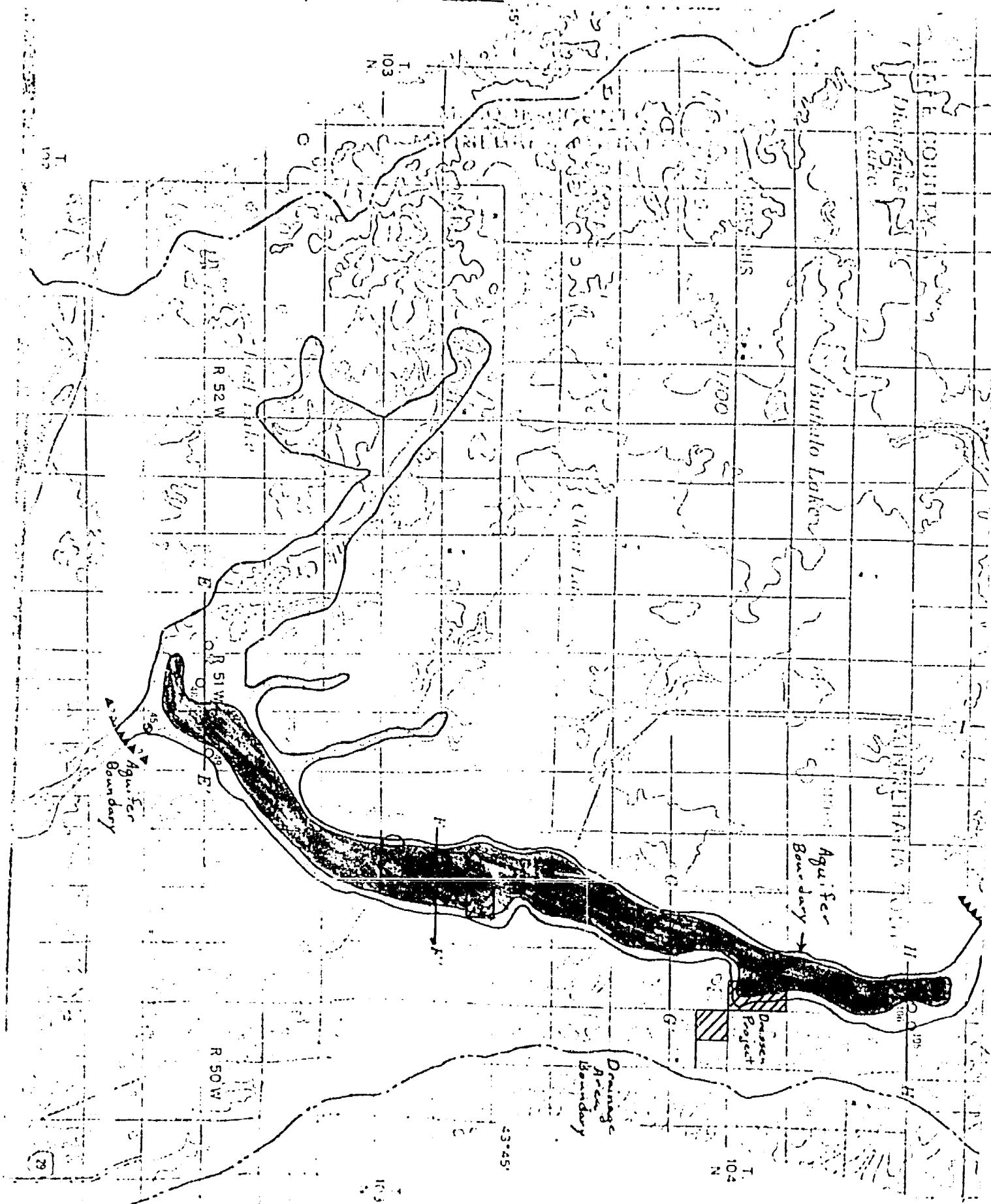


T104 N

R 50 W

Burk Township, Minnehaha County

Attachment 3



Attachment C

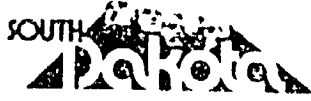
OBSERVATION WELL

S-23 (located NE $\frac{1}{4}$ Sec. 20-T104N-R50W)

Year	Spring	Summer	Fall	Year	Spring	Summer	Fall
1957		4.6	5.4				
1958	6.0	6.3	6.8				
1959	6.9	7.0	7.0				
1960	5.3	5.6	6.0				
1961	5.5	5.0	5.7				
1962	5.0	3.5	7.6				
1963	5.4	4.9	6.5				
1964	6.2	5.8	6.9				
1965	6.4	6.9	5.6				
1966	5.8	5.5	6.0				
1967	5.2	5.5	6.4				
1968	6.6	6.0	5.8				
1969	3.3	4.9	5.6				
1970	4.8	4.1	5.7				
1971	4.8	5.6	6.2				
1972	5.2	3.7	4.4				
1973	3.9	5.1	5.5				
1974	5.0	5.1	6.1				
1975	5.0	5.5	6.1				
1976	5.4	6.3	6.8				
Average							
Level	5.4	5.3	6.1				

Above measurements are of ground water levels. Numbers are depth in feet to ground water level below the ground surface.

2918-3



Department of Natural Resource Development

WATER RIGHTS COMMISSION

Joe Foss Building, Pierre, South Dakota 57501

Phone 605/224-3151

October 5, 1976

Robert Dressen
R.R. 2
Dell Rapids, S.D. 57022

Dear Mr. Dressen:

The Water Rights Commission deferred action on your
Application No. 2918-3 at the September 29-30, 1976
Commission meeting, pending investigation by the Commission
Staff.

If you have any questions, feel free to contact this
Office.

Very truly yours,

JOHN HATCH, Chief Engineer
Water Rights Commission

JH/bw

March 18, 1977

Robert Dressen
R.R. #2
Dell Rapids, S.D. 57027

Dear Mr. Dressen:

This acknowledges our telephone conversation on the 18th of March, 1977. As requested, you have been placed on the agenda to meet with the Water Rights Commission on the 23rd of March, 1977 at 1:00 P.M. to discuss application No. 2918-3. The Commission is meeting in the South Dakota Education Association Auditorium, 411 East Capitol, Pierre, South Dakota.

Please advise this office if you have any questions.

Sincerely,

JAMES WINTERTON
Water Rights Specialist

JW/bw

May 31, 1977

Robert Dressen
R.R. 2
Dell Rapids, S.D. 57022

Dear Mr. Dessen:

The Water Rights Commission at your request reconsidered the deferred portion of your Application No. 2918-3, May 26, 1977, but did not take any action.

The deferred portion will remain deferred until it is reconsidered by the Commission this coming fall or winter to allow the effects of your existing authorized pumping on nearby domestic wells to be monitored during the 1977 irrigation season.

Very truly yours,

JOHN HATCH, Chief Engineer
Water Rights Commission

JH/bw

PETITION

TO: STATE WATER COMMISSION

We, the undersigned, object to the issuance of any further irrigation permits in our locale, specifically the Dressen application.

<u>SIGNATURE</u>	<u>ADDRESS</u>	<u>DATE</u>
<u>Gene L. Brown</u>	<u>Dell Rapids</u>	<u>Sept 28-1976</u>
<u>William W. Brown</u>	<u>Dell Rapids</u>	<u>9/28/76</u>
<u>Delaine Jensen</u>	<u>Dell Rapids</u>	<u>Sept. 28, 1976</u>
<u>Dennis Jensen</u>	<u>Dell Rapids</u>	<u>9-28-1976</u>
<u>Eugene Hoffmeyer</u>	<u>Dell Rapids</u>	<u>9-28-1976</u>
<u>Norman Hoffmeyer</u>	<u>Dell Rapids</u>	<u>9-28-1976</u>
<u>Leah R. Randall</u>	<u>Dell Rapids</u>	<u>9-28-1976</u>
<u>Phyllis L. Randall</u>	<u>Dell Rapids</u>	<u>9-28-1976</u>
<u>Dan W. Randall</u>	<u>Baltic</u>	<u>9-28-1976</u>
<u>James K. Brown</u>	<u>Dell Rapids, SD</u>	<u>9-28-1976</u>
<u>Walter J. Brown</u>	<u>Dell Rapids, SD</u>	<u>9-28-1976</u>
<u>Marie Visser</u>	<u>Dell Rapids, S. Dak.</u>	<u>9/28/76</u>
<u>Don Wrage</u>	<u>Dell Rapids, S. Dak.</u>	<u>9/28/76</u>
<u>Bernice Wrage</u>	<u>Dell Rapids, S. Dak.</u>	<u>9/28/76</u>
<u>Wane Brown</u>	<u>Dell Rapids, S. Dak.</u>	<u>9/28/76</u>
<u>Earl Brown</u>	<u>Dell Rapids, S. Dak.</u>	<u>9-28-76</u>
<u>Elaine Brown</u>	<u>Dell Rapids, SD.</u>	<u>9-28-76</u>
<u>Robert Mergen</u>	<u>Dell Rapids, S.D.</u>	<u>9-28-76</u>
<u>Carol Mergen</u>	<u>Dell Rapids, S.D.</u>	<u>9-28-76</u>
<u>Ray Brown</u>	<u>Dell Rapids</u>	

PETITION

TO: STATE WATER COMMISSION

We, the undersigned, object to the issuance of any
further irrigation permits in our locale, specifically the
Cresson application.

SIGNATURE

ADDRESS

DATE

Luis A Brown	Deer Rapids, S.D.	9-28-76
Marita Jorgensen	Deer Rapids, S.D.	9/1/76

VERIFICATION BY PERSON CIRCULATING PETITION

STATE OF SOUTH DAKOTA)
: SS
COUNTY OF MINNEHAHA)

I, being first duly sworn, on oath depose and say that
I circulated the above Petition and that I hereby attest
to the legality of the signatures.

Gene Brown
Gene Brown

Subscribed and sworn to before me this 28th day
of SEPTEMBER, 1976.

James H. Schindler
Notary Public - South Dakota

My commission expires 10-10-76.

(SEAL)

VERIFICATION BY PERSON CIRCULATING PETITION

STATE OF SOUTH DAKOTA)

SS

COUNTY OF MINNEHAHA)

I, being first duly sworn on oath depose and say that
I circulated the above Petition and that I hereby attest
to the legality of the signatures.

Gene Brown

Subscribed and sworn to before me this 28 day

of SEPTEMBER, 1976.

Notary Public - South Dakota

My commission expires 10-10-76.

(SEAL)

SOUTH DAKOTA
DEPARTMENT OF NATURAL RESOURCES

Department of Natural Resource Development

WATER RIGHTS COMMISSION

Joe Foss Building, Pierre, South Dakota 57501

Phone 605/224-3151

May 20, 1977

TO: Persons concerned with Water Right Application No. 2918-3,
Robert Dressen, R.R. 2, Dell Rapids, South Dakota 57580

FROM: John Hatch, Chief Engineer, Water Rights Commission

SUBJECT: Notice of reconsideration hearing on deferred portion
of Application No. 2918-3.

The Water Rights Commission will reconsider the deferred portion of Water Right Application No. 2918-3 at 1:30 P.M., May 26, 1977 in the South Dakota Education Association Auditorium, 411 East Capitol, Pierre, South Dakota.

This reconsideration hearing was placed on the May 25-26, 1977 Meeting agenda by the Commission following Mr. Dressen's request at the March 23-24, 1977 Commission Meeting. The hearing will be conducted in accordance with SDCL 46-1-1 thru 47-1-8; 46-2-9 thru 46-2-11, 46-2-13; 46-5-1 thru 46-5-8, 46-5-10 thru 46-5-22, 46-5-41; 46-6-3, 46-6-5, 46-6-6.1, 46-6-10, 46-6-14 and Commission Rules ARSD 52:01:01:01 thru 52:01:01:13.

2.6

Application No. 2918-3 was approved November 18, 1976 for 2.2 c.f.s. from wells No. 1 and No. 2 with the remaining 4.32 c.f.s. and Well No. 3 deferred. Part of the Application was deferred because of protests and concern registered by nearby neighbors with the effects of irrigation pumping on their domestic wells, to allow the effects of irrigation pumping to be monitored during the 1977 irrigation season.

After reconsideration of the deferred portion of Application No. 2918-3, the Commission can approve, defer or deny the deferred portion of Application No. 2918-3.


JOHN HATCH, Chief Engineer
Water Rights Commission

JH/bw

File 2918-3

May 22, 1977

To: John Hatch, Chief Engineer, Water Rights Commission
Subject: Notice of reconsideration hearing on deferred portion of
Application No. 2918-3.
From: *Liane Brown*

We are against the approval of Well No. 3. If he has to irrigate
let it remain only Wells No.1 and No.2.
Our wells have been adequate for many years, and they would remain
so if irrigation wells wouldn't run them dry.

William J Brown

SKUNK CREEK DEFERRED

Department of Natural Resource Development

WATER RIGHTS COMMISSION
Joe Foss Building, Pierre, South Dakota 57501
Phone 605/224-3151

March 21, 1978

TO: Persons concerned with deferred applications near Skunk Creek, Minnehaha CO.
FROM: John Hatch, Chief Engineer, Water Rights Commission
SUBJECT: Reconsideration of deferred applications near Skunk Creek

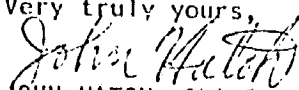
The Water Rights Commission will reconsider deferred Water Right Applications near Skunk Creek at 9:15 a.m. March 29, 1978 at the Guest House, 101 North Broadway, Watertown, South Dakota.

This reconsideration hearing will be conducted in accordance with the provisions of SDCL 46-1-1 thru 46-1-8; 46-2-11, 46-2-13; 46-5-1 thru 46-5-8, 46-5-10 thru 46-5-22, 46-5-41; 46-6-3, 46-46-5, 46-6-6.1, 46-6-10, 46-6-14 and Commission Rules ARSD 52:01:01:01 thru 52:01:01:13.

These Applications were deferred by the Water Rights Commission during 1976 and 1977, pending staff investigation.

After reconsideration of Deferred Applications on Skunk Creek, the Commission can approve, defer, or deny all or parts of the Applications. A copy of the "Report on Skunk Creek" is enclosed for your information.

Very truly yours,


JOHN HATCH, Chief Engineer
Water Rights Commission

JH:kjw

enclosure

Report on Skunk Creek
Water Right Applications
March 6, 1978

The Skunk Creek-Lake Madison drainage basin extends from central Lake County to Sioux Falls. The basin consist of glacial outwash deposits and sand and gravel lenses in end moraine. The basin can be separated into three hydrologically separate aquifers. The northern aquifer is separated from the middle aquifer by end moraine and the southern aquifer is separated from the middle aquifer by a bedrock barrier of quartzite. The only known interconnection between the aquifers is surface flow of Skunk Creek.

The applications presently before the Commission are located in the middle aquifer. In 1962, the Geological Survey estimated a transient storage of 48,000 acre-feet in the middle aquifer. The Commission has presently approved 15.93 cubic feet per second or 2851 acre-feet (calculated based on a ninety day continous pumping rate). The deferred applications have a combined withdrawal rate of 25.19 cubic feet per second or 4508 acre-feet (calculated on a ninety day continous pumping rate). If approved, the total withdrawal would be 15 percent of the total estimated storage. The withdrawal rates are a maximum amount and actual withdrawal rates would be expected to be much lower.

The Commission has two observation wells (S-23 and S-26) in the middle aquifer which have shown only seasonal fluctuations. There are six observation wells scheduled to be installed in the area this spring, 1978.

The general boundaries of the aquifer have been delineated, but presently there is not enough control (observation wells) to justify approval of all the deferred applications. After installation of proposed observation wells the Staff may be able to make recommendations.

The following is a list of deferred applications:

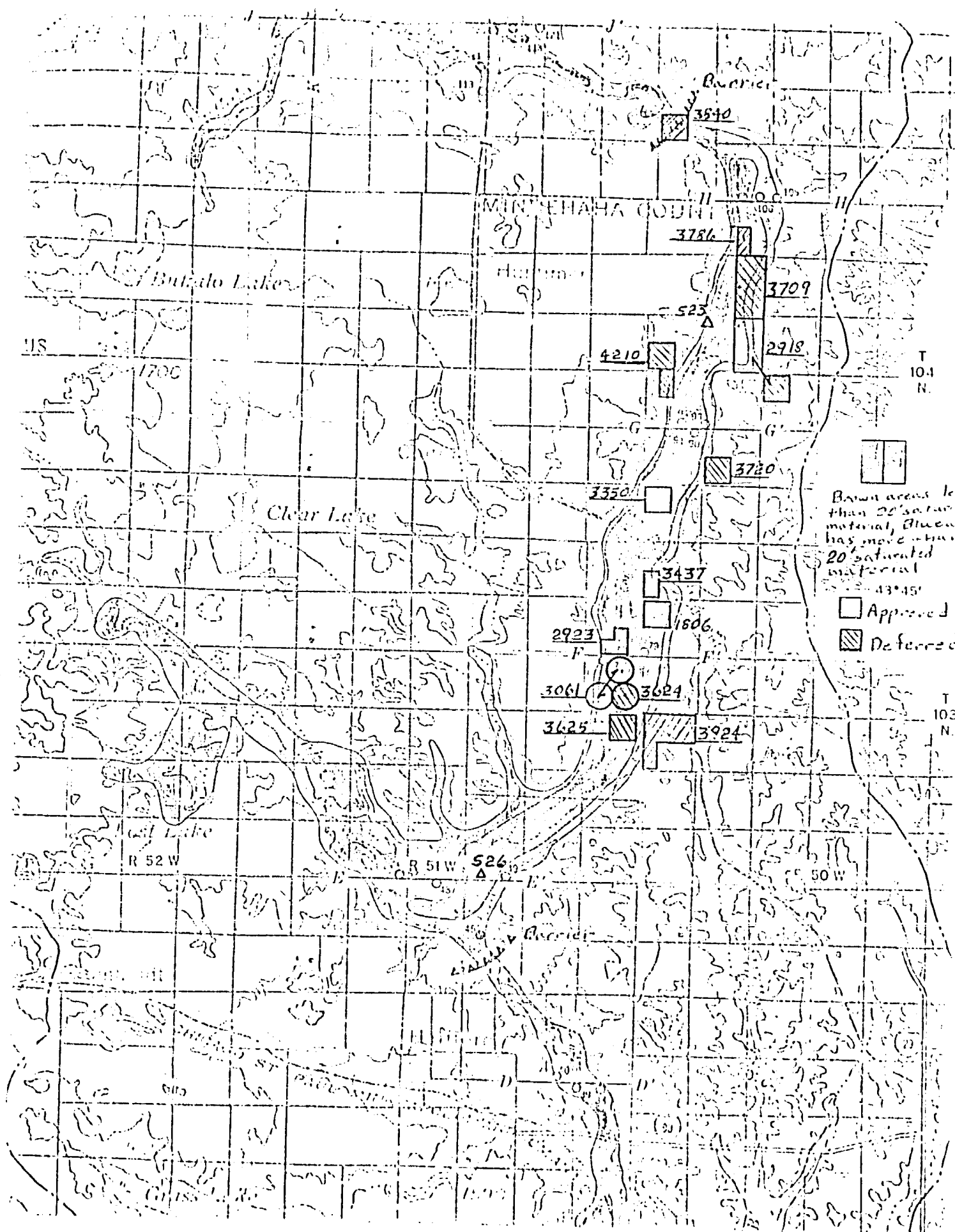
<u>Application Number</u>	<u>Priority Date</u>	<u>CFS</u>	
2918-3	4 Aug 1976	4.24	(presently has 2.28 cfs approved and part of the acreage)
3709-3	20 Nov 1976	2.28	
3624-3	7 Feb 1977	2.45	(delete SE $\frac{1}{4}$ 18, T103N R50W from permit 3061-3)
3625-3	7 Feb 1977	2.28	Same well as 3624-3
3720-3	22 Feb 1977	2.0	
3786-3	9 March 1977	1.14	
3840-3	21 March 1977	2.0	
3924-3	14 April 1977	5.5	
4210-3	21 Dec 1977	3.3	

Report on Skunk Creek
March 6, 1978
Page Two

Recommendations:

1. The Staff recommends that the deferred portion of Application No. 2918-3 be approved with the qualification: The irrigation well approved under this Permit will be located near domestic wells and other irrigation wells which may obtain water from the same aquifer. The irrigation well owner, under this Permit, shall control his irrigation withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in irrigation wells having prior water rights.
2. The Staff recommends that the other deferred applications remain deferred at this time to allow additional information to be obtained.

Gale N. Selken
Hydrologist



Well Number: S-23County MinnesotaLegal location: NE $\frac{1}{4}$ Section 20 T- 104 N S R- 50 E - WDepth of well 15.0 Mean Sea Level Elevation of Measuring Point 1556.0Pipe length above ground 2.1 Date Drilled August 17, 19 57Depth to top of aquifer 8' Thickness of aquifer 15'

Remarks: _____

Water Level Observations

Date	W/L Readings	Elevation	Date	W/L Readings	Elevation
2/22/57	6.7/4.6	1549.3	7/7/64	7.9/5.3	1548.1
11/5/57	7.5/5.4	1548.5	11/23/64	9.0/6.9	1547.0
3/11/58	8.1/6.0	1547.9	3/31/65	8.6/6.5	1547.4
7/21/58	8.4/6.3	1547.6	3/6/65	9.0/6.9	1547.0
11/29/58	8.9/6.3	1547.1	11/1/65	7.7/5.6	1548.3
5/12/59	9.0/6.9	1547.0	3/29/66	7.9/5.8	1548.1
7/14/59	9.1/7.0	1546.9	6/28/66	7.6/5.5	1548.4
11/17/59	9.1/7.0	1546.9	11/8/66	8.1/6.0	1547.9
5/4/60	7.4/5.3	1548.6	3/21/67	7.3/5.2	1548.7
7/8/60	7.7/5.6	1548.3	7/11/67	7.6/5.5	1548.4
11/1/60	8.1/6.0	1547.9	11/24/67	8.5/6.4	1547.5
3/7/61	7.6/5.5	1548.4	3/7/68	8.7/6.6	1547.3
7/12/61	7.1/5.0	1548.8	7/11/68	8.1/6.0	1547.9
11/2/61	7.8/5.7	1548.2	10/31/68	7.9/5.8	1548.1
4/12/62	7.1/5.0	1548.8	4/29/69	5.4/3.3	1550.6
7/10/62	5.6/3.5	1550.4	8/15/69	7.0/4.9	1549.0
10/30/62	9.2/7.6	1546.3	11/19/69	7.7/5.6	1548.3
3/6/63	7.5/5.4	1548.5	4/3/70	5.9/4.8	1549.1
7/10/63	7.0/4.9	1549.0	7/3/70	6.2/4.1	1549.8
11/13/63	8.6/6.5	1547.4	11/20/70	7.8/5.7	1548.2
3/17/64	8.3/5.2	1547.7	4/8/71	6.9/4.8	1549.1
			7/13/71	7.2/5.5	1548.3

Well Number S-23County Winnepah

Water Level Observation

Date	W/L Reading	Elevation	Date	W/L Reading	Elevation
1/5/72	8.3/6.2	1547.7			
4/6/72	7.3/5.2	1548.7			
8/25/72	5.9/3.8	1550.1			
11/22/72	6.5/4.4	1549.5			
5/2/73	6.0/3.9	1550.0			
7/11/73	7.2/5.1	1548.8			
11/28/73	7.6/5.5	1548.4			
4/16/74	7.1/5.0	1548.9			
7/9/74	7.2/5.1	1548.8			
12/5/74	8.2/6.1	1547.8			
5/14/75	7.1/5.0	1548.9			
7/9/75	7.6/5.5	1548.4			
12/11/75	8.2/6.1	1547.8			
5/11/76	7.5/5.4	1548.5			
7/30/76	8.4/6.3	1547.6			
12/1/76	8.9/6.8	1547.1			
2/8/77	9.1/7.0	1546.9			
4/28/76	8.9	1547.1			
8/11/77	Not found				
2/13/77	7.5	1548.5			

Well Number: S 26County MinnehahaLegal location: SW $\frac{1}{4}$ Section 35 T-102 N S R-51 E - WDepth of well 62' Mean Sea Level Elevation of Measuring Point 1513.9'Pipe length above ground 1.7' Date Drilled August 3, 1957 1957Depth to top of aquifer 42' Thickness of aquifer 20'

Remarks: _____

Water Level Observations

Date	W/L Readings	Elevation	Date	W/L Readings	Elevation
8/30/57	9.6	1504.3	4/8/71	9.0	1504.9
11/5/57	9.6	1504.3	7/16/71	10.0	1503.9
3/11/58	9.8	1504.1	11/24/71	10.2	1503.7
7/22/58	9.8	1504.1	4/13/72	9.5	1504.4
11/28/55	10.5	1503.4	8/25/72	8.9	1505.0
3/12/59	10.7	1503.2	12/15/72	9.9	1504.0
7/14/59	10.9	1503.0	5/31/73	9.0	1504.9
11/17/59	9.3	1504.6	8/8/73	10.4	1503.9
5/4/60	8.2	1505.7	11/30/73	10.3	1503.6
7/8/60	8.2	NR	4/17/74	9.5	1504.4
7/8/60	NR	1503.7	7/11/74	10.1	1503.8
11/1/60	10.2	1504.7	12/5/74	10.8	1503.1
3/7/61	9.2	1503.9	5/16/75	10.0	1503.9
7/13/61	10.0	1503.7	7/11/75	11.3	1502.6
1/29/61	10.2	1503.7	12/11/75	10.7	1503.2
1/28/62	8.5	1505.4	5/13/76	10.0	1503.9
7/10/62	6.3	1507.6	7/30/76	17.7	1496.2
10/30/62	9.2	1504.7	12/1/76	11.1	1502.8
3/6/63	11.2	1502.7	10/24/76	11.7	1502.7
7/10/63	10.2	1503.7	2/8/77	11.0	1502.9
11/12/63	10.7	1503.2	8/11/77	11.6	1502.3
3/17/64	10.2	1503.7	12/13/77	10.0	1503.9
5/18/64	9.7	1504.2			
12/15/64	10.5	1503.4			
4/13/65	9.3	1504.6			
8/6/65	10.0	1503.9			
11/2/65	10.7	1503.2			
3/29/66	10.2	1503.7			
7/26/66	10.7	1503.2			
11/8/66	11.1	1502.8			
3/21/67	10.3	1503.6			
7/11/67	10.5	1503.5			
11/24/67	11.3	1502.7			
3/15/68	11.8	1502.1			
7/11/68	10.0	1503.9			
11/1/68	9.4	1504.5			
1/29/69	7.4	1506.5			
3/22/69	9.6	1504.3			
1/2/70	8.8	1505.1			
7/8/70	9.1	1504.8			
1/20/70	9.1	1504.8			

PETITION

TO: SOUTH DAKOTA STATE WATER RIGHTS COMMISSION
STATE CAPITAL BUILDING
PIERRE, SOUTH DAKOTA

We, the undersigned, owners and residents of property located within and near the Skunk Creek-Lake Madison drainage basin hereby request that application No. 2918-3 with priority date of August 4, 1976, be deferred along with all other applications. Further, the undersigned ask the State Water Rights Commission to grant all applicants no more than 2.28 cubic feet water and allow all deferred permits to be approved.

<u>NAME</u>	<u>ADDRESS</u>	<u>DATE</u>
Walter Kisser	Dell Rapids	3-28-78
Kenneth Jorgensen	Dell Rapids	3-28-78
James D. Waller	R.R. Dell Rapids S.D.	3-28-78
Shirley A. Waller	R.R. Dell Rapids S.D.	3-28-78
Regina M. Waller	R.R. Dell Rapids S.D.	3-28-78
Bernice J. Waller	R.R. 2 Dell Rapids S.D.	3-28-78
Rhoda L. Randall	R.R. Dell Rapids	3-28-78
Dennis J. Jansen	Dell Rapids S. Dak.	3-28-78
Delaine Jansen	Rt. 2 Dell Rapids, S. Dak.	3-28-1978
Lloyd F. Randall	Rt. 2 Dell Rapids S. Dak.	3-28-1978
Charles H. Randall	R.R. 2 Cotton S.D.	3-28-1978
Robert Meier	R.R. 1 Cotton S.D.	3-28-1978
Shirley J. Jansen	R.R. 2 Box 62 Dell Rapids S.D.	3-28-78
Gerald E. Wager	Rt. 2 Box 70 Dell Rapids S.D.	3-28-78
Dennis C. Wager	Rt. 2 Box 10 Dell Rapids S.D.	3-28-78
Leon J. Walby	Rt. 2 Box 61 Dell Rapids S. Dak.	3-28-78
Sorathy A. Walby	R.R. 2 Box 61 Dell Rapids S.D.	3-28-78
Theresa L. Amundson	R.R. 2 Box 62 Dell Rapids S.D.	3-28-78
Lloyd Jeffrey	Randall R.R. 2 Box 76 Dell Rapids S.D.	3-28-78

VERIFICATION BY PERSON CIRCULATING PETITION

STATE OF SOUTH DAKOTA)
 : SS
COUNTY OF MINNEHAHA)

I, being first duly sworn, on oath, depose and say
that I circulated the above petition and I hereby attest
to the legality of the signatures.

Emi Brown

Subscribed and sworn to before me this 28th day of
March, 1978.

[Signature]

Notary Public - South Dakota

My commission expires 3/9/81.

Patti Randall, Dell Rapids, S.D. 3-28-78
Eugene Hoffman Dell Rapids S.D. 3-28-78
James H. Hoffman Dell Rapids S.D. 3-28-78
Clarence Helbing Dell Rapids S.D. 3-28-78
Robert H. Helbing Dell Rapids S.D. 3-28-78
James K. Helbing Dell Rapids S.D. 3-28-78
Elizabeth H. Brown Dell Rapids S.D. 3-28-78
Dan H. Randall, Baltic, S. Dak. 3-28-78
Aggie Randall Baltic S. Dak. 3-28-78
William J. Brown Dell Rapids S.D. 3/28/78
Alice K. Brown Dell Rapids S.D. 3/28/78
Earl Brown Dell Rapids S.D. 3-28-78
Eugene Brown Dell Rapids S.D. 3-28-78
Raymond J. Brown Dell Rapids S.D. 3-28-78
Luis A. Brown Dell Rapids S.D. 3-28-78

PETITION

TO: SOUTH DAKOTA STATE WATER RIGHTS COMMISSION
STATE CAPITAL BUILDING
PIERRE, SOUTH DAKOTA

We, the undersigned, owners and residents of property located within and near the Skunk Creek at Lake Madison drainage basin hereby request that application No. 2918-3, with priority date of August 4, 1976 be deferred along with all other applications. Further, the undersigned request that the State Water Rights Commission not allow any water removal from the Skunk Creek-Lake Madison drainage basin for the purpose of irrigating land outside of the Skunk Creek-Lake Madison drainage basin.

WHEREFORE, we the undersigned respectfully request that should one application be deferred, that all applications be deferred including application 2918-3.

NAME	ADDRESS	DATE
Maanta Jorgensen	500 N. Wm. Dell Rapids, S.D.	3/27/78
James D. Wolles	R.R. Dell Rapids S.D.	3-27-78
Shirley A. Wolles	R.R. Dell Rapids S.D.	3-27-78
Thoyl H. Randall	R.R. Dell Rapids S.D.	3-27-78
Rhoda L. Randall	R.R. Dell Rapids S.D.	3-27-78
Quinn Jensen	Dell Rapids S.D.	3-27-78
Delaine Jensen	Rt 2 Dell Rapids S.D.	3-27-78
Walter Hesser	Dell Rapids S.D.	3-28-78
Roger T. Wolles	R.R. 2 Dell Rapids S.D.	3-28-78
Beverly J. Wolles	R.R. 2 Dell Rapids S.D.	3-28-78
Charles H. Randall	R.R. 2 Colton S.D.	3-28-78
Robert Mauer	R.R. 1 Colton S.D.	3-28-78
Shirley Gundersen	R.R. 3 Box 13 Dell Rapids S.D.	3-28-78
Orville Hager	Rt 2 Dell Rapids S.D.	3-28-78
Bernice J. Wraga	Rt 2 Dell Rapids S.D.	3-28-78
Leona J. Welby	Rt 2 Box 64 Dell Rapids S.D.	3-28-78
Martha A. Helling	R.R. 2 Box 11 Dell Rapids S.D.	3-28-78

Subject to first water
Subject to first water

VERIFICATION BY PERSON CIRCULATING PETITION

STATE OF SOUTH DAKOTA)
: SS
COUNTY OF MINNEHAHA)

I, being first duly sworn, on oath, depose and say,
that I circulated the above petition and I hereby attest
to the legality of the signatures.

Gene Brown

Subscribed and sworn to before me this 28th day of
March, 1978.

[Signature]
Notary Public - South Dakota

My commission expires 3/9/81.

J. G. Burroughs, Cotton, ID 3-28-78
 Alice Burroughs, Cotton, ID 3-28-78
 Loyal L. Cunningham R.R. 2 Box 2 Dell Rapids, S.D. 3-28-78
 Nelson J. Randall R.R. 2 Box 96 Dell Rapids, S.D. 3-28-78
 Patti Randall, R.R. 2, Box 96 Dell Rapids, S.D. 3-28-78
 Eugene Hoffman R.R. 2 Dell Rapids, S.D. 3-28-78
 Lawrence Hoffman R.R. 2 Dell Rapids, S.D. 3-28-78
 Lawrence H. Hoffman R.R. 2 Dell Rapids, S.D. 3-28-78
 William M. Webb, Dell Rapids, S.D. 3-28-78
 James L. Brown, Dell Rapids, S.D. 3-28-78
 Elizabeth A. Brown, Dell Rapids, S.D. 3-28-78
 Dan D. Randall, Baltic, S. Dak. 3-28-78
 Aggie Randall, Baltic, S. Dak. 3-28-78
 William J. Brown, Dell Rapids, S.D. 3-28-78
 Marie L. Brown, Dell Rapids, S.D. 3-28-78
 Earl Brown, Dell Rapids, S.D. 3-28-78
 Eugene Brown, Dell Rapids, S.D. 3-28-78
 Lois A. Brown, Dell Rapids, S.D. 3-28-78
 Raymond L. Brown, Dell Rapids, S.D. 3-28-78

 **Department of
Water & Natural Resources**

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

February 17, 1989

Robert Dressen
RR 2, Box 76
Dell Rapids, SD 57022

Dear Mr. Dressen:

On October 6, 1988, the Water Management Board adopted rules to implement a 1988 law for application of chemicals through irrigation systems. The rules establish equipment standards, performance standards and installation requirements for irrigation systems that apply chemicals (fertilizers, insecticides, or herbicides) with irrigation water.

You have indicated on your 1988 Water Management Board Irrigation Questionnaire that you do apply chemicals with irrigation water. A copy of the new rules for chemigation are enclosed for your information.

The new standards include:

- * a check valve between the irrigation pump and the point of chemical injection;
- * a vacuum relief valve on top of the pipeline between the irrigation pump and the irrigation pipeline check valve;
- * a low-pressure drain on the bottom of the pipeline between the irrigation pump and the irrigation pipeline check valve;
- * a chemical injection line check valve between the chemical injection pump and the point at which the chemical is injected into the irrigation line; a second check valve is required if the chemical injection pump is not a positive displacement pump;
- * an interlock system which ensures that the chemical injection pump will stop whenever the irrigation pump stops;
- * an inspection port between the irrigation pump and the check valve on the irrigation line;

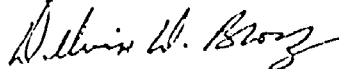


Each of these equipment requirements are discussed more thoroughly in Sections 74:02:09:05 through 74:02:09:10 of the enclosed rules. Appendix A contains diagrams of the arrangements of these anti-pollution devices.

The equipment must be installed according to the manufacturer's specifications, calibrated, and maintained in good working condition. All chemical product labels must be followed and warning signs must be posted. These rules also require reporting of all spills, accidents, and system malfunctions. A 24-hour telephone number is provided.

The chemigation rules contain notification and record keeping requirements. Prior to using chemigation, notification must be given to the Chief Engineer on the enclosed Form 1C. Information that must be provided in this notification includes the water permit or right number, the name, address, and telephone number of the water permit or right holder and of the system operator, and the legal description of the lands on which the system is located. A record of the name, quantity, dates and hours of each chemical applied must be provided to the Chief Engineer on Form 2C. A copy of this form is also enclosed for your information. It will be mailed with the annual irrigation questionnaire and must be returned with the questionnaire by the date specified. If you have any questions regarding these rules or need additional copies of the forms, please contact Susan Bowar, Water Rights Engineer (605-773-3352).

Very truly yours,



for JOHN HATCH, Chief Engineer
Water Rights Division



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

ROBERT DRESSEN
RR 2 BOX 76
DEER RAPIDS, SD 57022

NOTICE

Re: Failure to Report Chemical Use under Water Permit No(s) 2918-3

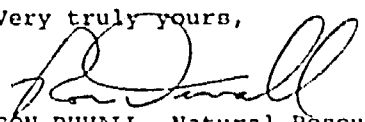
The first notice to file chemigation report(s) for Permit No(s) 2918-3 was dated October 18, 1991. Our records indicate that we have not received the 1991 chemigation report for Permits No(s) 2918-3. The Water Management Board has directed that owners of water permits who have not submitted the 1991 chemigation report(s) be given notice of violation and of hearing before the Board. The hearing held by the Board is to determine what action is to be taken concerning violation of Administrative rule 74:02:09:02(3). This rule requires chemigation users to report the type of chemical applied, the dates, hours and amount of chemical application.

The hearings will be held at 9:15 am, on March 4, 1992, at the Floyd Matthew Training Center, Joe Foss Building, 523 E. Capitol, Pierre SD, and will be conducted pursuant to SDCL 34A-2A through 34A-2A-5; 46-1-12, 46-1-14, 46-2-11, 46-2-17. These are contested case hearings pursuant to SDCL 1-26. According to SDCL 46-1-12, the Board may suspend a permit for a period of up to one year for the first violation or up to three years for the second violation, or cancel a permit for a third violation. Following the hearing, the Water Management Board can:

1. Suspend or cancel Permit No(s). 2918-3 in accordance with applicable provisions of SDCL 46-1-12;
2. Postpone any action; or
3. Take no action.

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

Very truly yours,


RON DUVAL, Natural Resources Engineer
for JOHN HATCH, Chief Engineer
Water Rights Division
605 773-3352

NOTE: If the chemigation report(s) is(are) received by this office prior to the March 4, 1992 hearing, you will no longer be in violation and your name will be deleted from the Board agenda.



GREAT FACES. GREAT PLACES.

DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

January 31, 1992

ROBERT DRESSEN
RR 2, BOX 76
DELL RAPIDS, SD 57022

Dear Mr. DRESSEN:

I am writing to acknowledge receipt of your 1991 chemigation report for Water Right No.(s) 2918-3. You may disregard the January 27, 1992 Notice of Failure to Report Chemical Use for 1991. With receipt of the chemigation report, your name has been deleted from the March 4, 1992 Water Management Board meeting agenda.

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

Sincerely,

DON FRYE, Natural Resources Analyst
Water Rights Division



2918-3

DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

JUN 11 1993

2918A-3

Robert Dressen
RR 2, Box 76
Dell Rapids, SD 57022

Dear Mr. Dressen:

Enclosed is Water License No. 2918A-3. This is the final water right document completing your process of obtaining a Water Right. Enclosed is Receipt No. 413793 in the amount of \$50.00 which you paid for the inspection and issuance of the Water License.

For your information SDCL 46-6-27 requires that if the owner of an existing well, such as the well authorized by Water Right No. 2918A-3, constructs a replacement well and does not plan to use the old well, the old well is considered abandoned and must be plugged. Also, any well that is being used or is not considered abandoned must be valved and controlled, if flowing, or sealed and capped so that no leaking occurs either underground or at the surface.

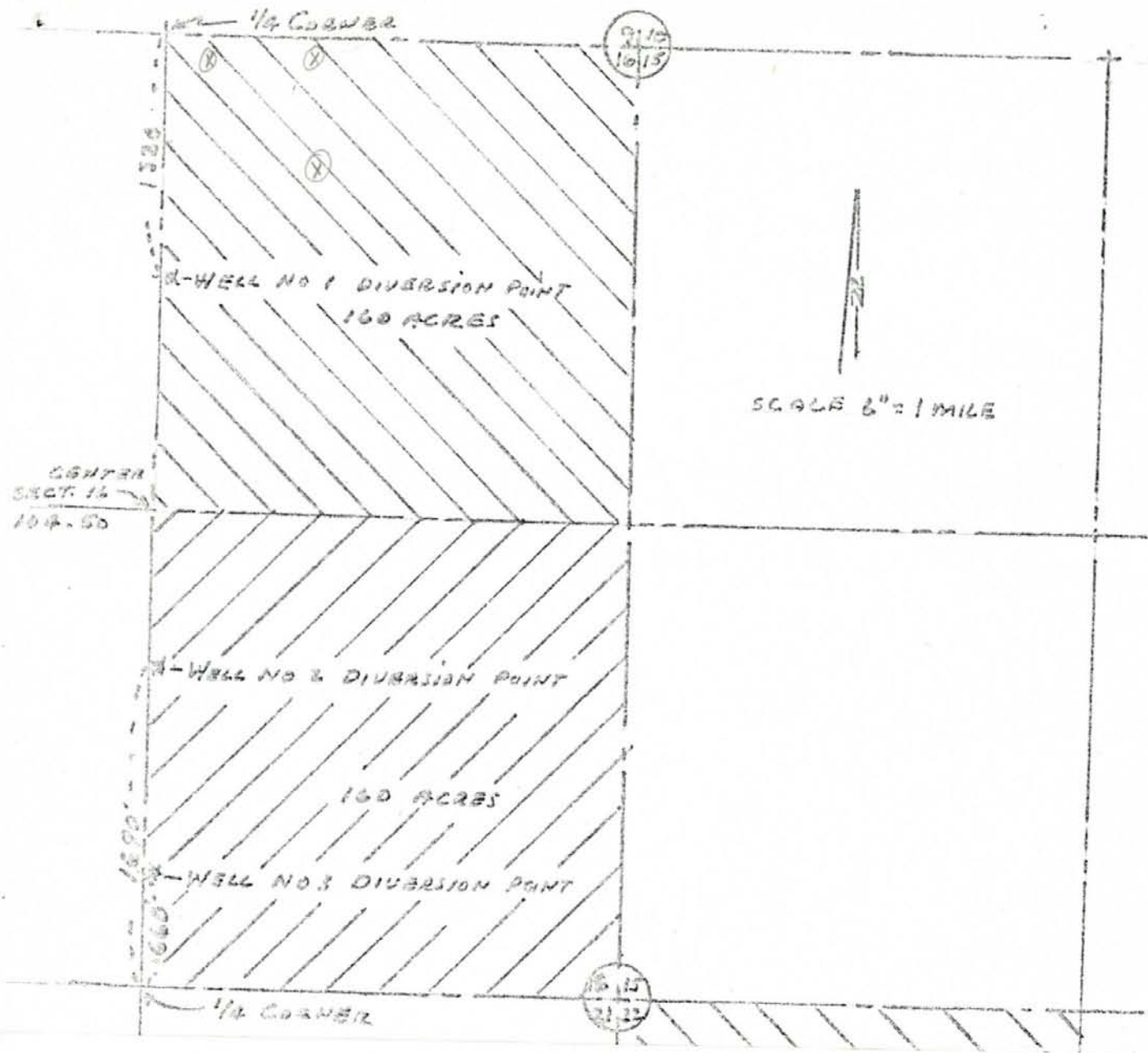
As long as you use the water beneficially, as stated in the Water License, the State Water Laws provide that you have a continuing right to use the water. If you have any questions, please contact our office.

Very truly yours,

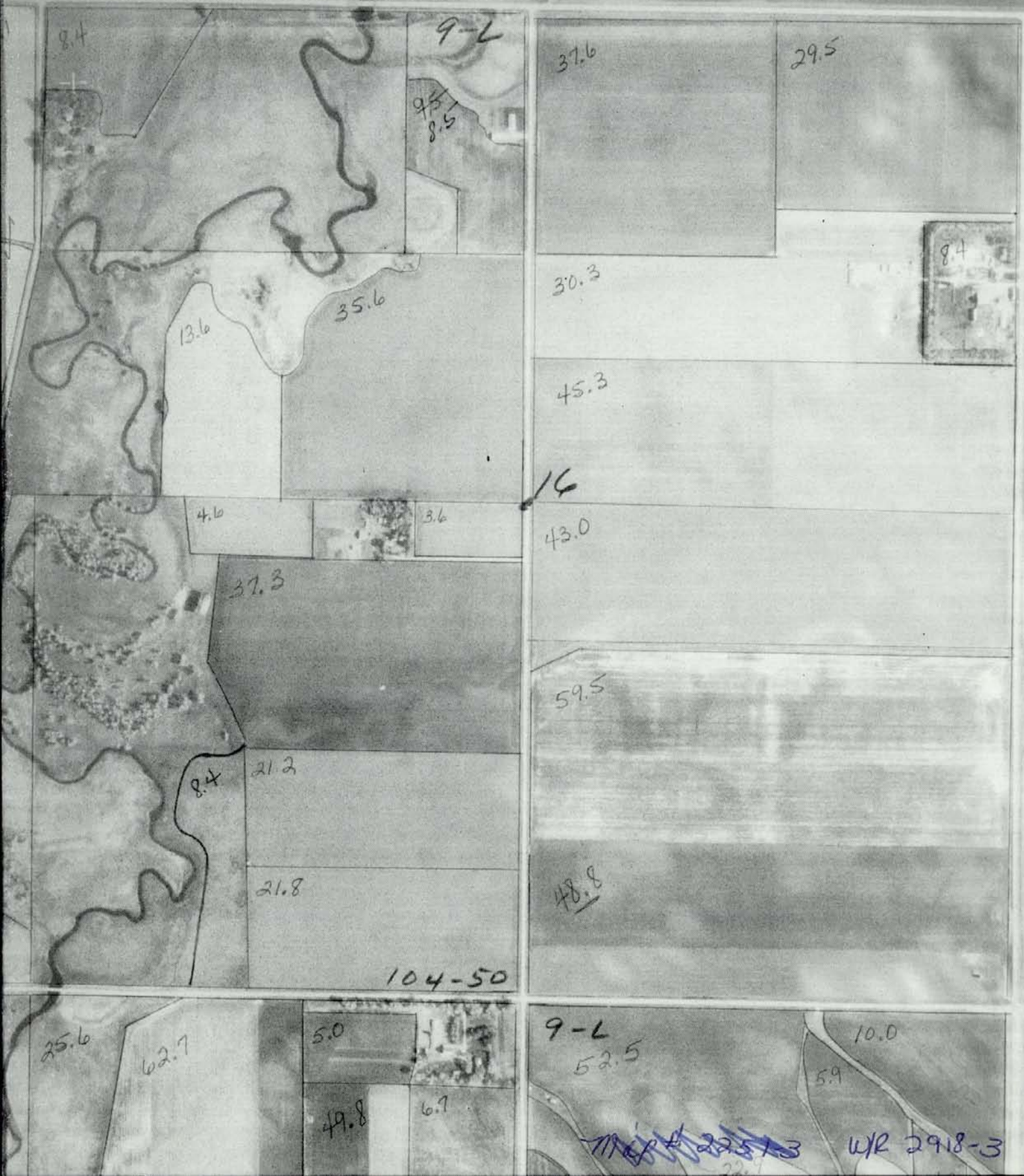
JOHN HATCH, Chief Engineer
Water Rights Division
(605) 773-3352

gm
enclosures

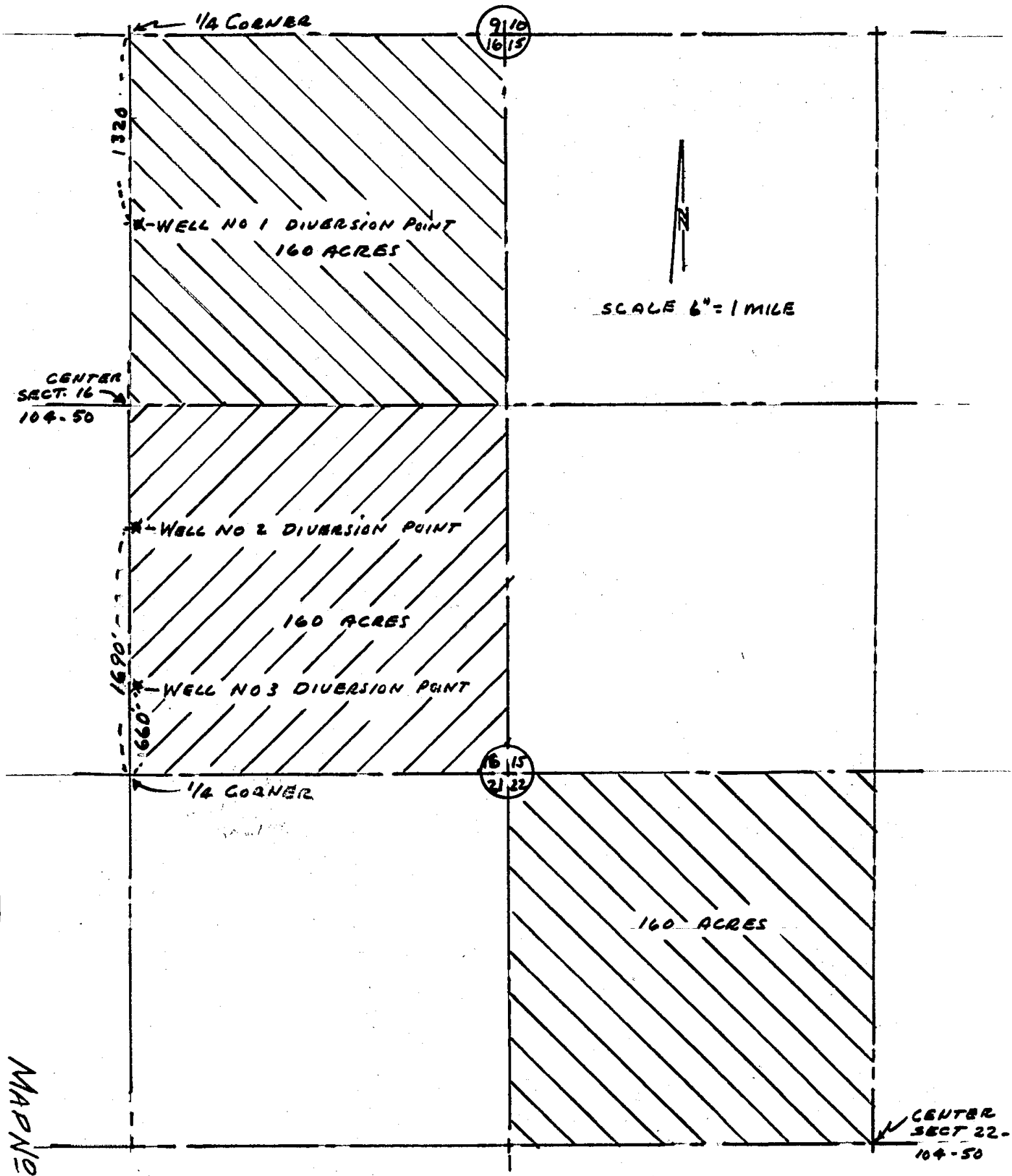
NOTE: The applicable portions of Water Permit No. (2918-3) are incorporated into Water License No. 2918A-3.



NOT TO SCALE



MAP NO 2251-3
APP NO 2918-3



ROBERT DRESSEN IRRIGATION PROJECT #1
AREAS TO BE IRRIGATED: E 1/2 SECT. 16, T.104N, R.50W.
AND THE NW 1/4, SECT 22, T.104N., R50W.
WATER TO BE DIVERTED FROM WELLS.
OWNER: ROBERT DRESSEN
SURVEYOR: HARLAN W. MEYER
DATE: JULY 1976

WITNESS LAND SURVEYOR'S SIGNATURE AND SEAL:
Harlan W. Meyer