

1. Considered: December 2, 19 81

Water Right No. 4824-3

2. Name of Applicant JERRY MEHLING

3. Post Office Address RR 2, Box 65, Wessington 57381

4. Amount of Water Claimed 2.28 maximum acre feet

5. Source of Water Supply one well 120 feet deep

6. Water to be used for IRR acres to be irrigated 160

7. County Hand about miles of

8. PROOF OF PUBLICATION: Received 12/2-4-81 Not Received

APPLICATION: Approved 12/2/81 Subject to DW - TQ

Not Approved Action Deferred

PRIORITY

Dated Received 10/5/81 Application complete-yes xx no FEE 250.00

Remarks

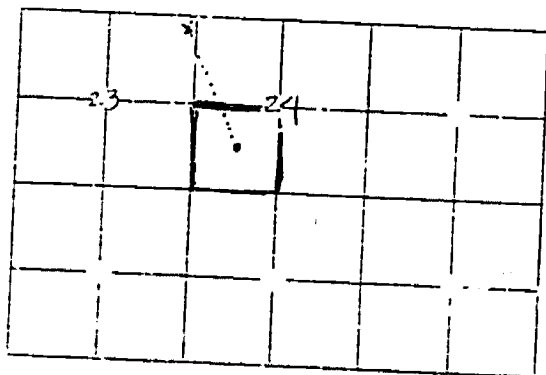
Corrected Application received Period of Annual Use 3/1 to 11/1

Received yes 11/6/81 no

APPROVED CONDITIONAL (Circle one)

WI-1 Description same as application yes no Remarks

Disapproved Returned



Diversion Point
NE 1/4 NE 1/4 Section 23-111-66

Land to be irrigated
SW 1/4, Sec. 24-T111N-R66W

ALL 103

Driller Huron Drilling

Depth 120 feet deep

Licensed - yes xx no

Remarks

MAP Map No. 4032-3 Map located in Water Right XX Map file _____
Type of Map AERIAL Prepared by SCS-Lawrence Rezek

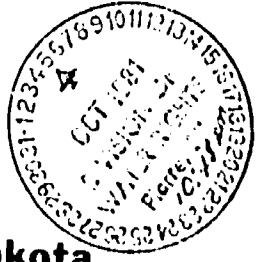
REVIEWED This Application was received within 30 days of the date received, accepted as complete, Number assigned and written up for advertisement before the Board on:

11-9-81

Deity W. W. W.
(Signed)

PROTESTS Letters/Petitions in File - yes _____ no _____ Remarks _____

REMARKS
F.F. & C. OF LAW, FINAL DECISIONS ETC.
Date
Final Decision, including F.F. & C. of Law were adopted _____
Date
Final Decision mailed to parties and/or parties notified that Final Decision was adopted _____
Remarks _____



No. 4824-3
 Map No. 4032-3 - Water Division No. 3 - JAMES RIVER District
 Above for Office Use 10160006

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

Check one of the following:

New ☒ Vested Right _____ Future Use _____

Change in Diversion _____ Additional Diversion _____

Change in Acreage _____ Additional Acreage _____

1. Name of Applicant Jerry Mehling Phone No. 605-458-2594
 Post Office Address R.R. #2, Box 65 Wessington State South Dakota 57380
(Street, RR, or Box) (Town) (Zip Code)
 If a corporation show date and place of incorporation _____

2. Method of accomplishing work (contract, employment of others, or by direct labor) Contract

3. Name of diversion work Jerry Mehling - Unit # 2

4. Amount of water claimed (cubic feet per second) 2.28 MAX. ALLOWABLE

5. Source of water supply Ground Water

6. Location of point of diversion NE1/4-NE1/4-NE1/4-23-111-66

7. Annual period or periods during which water is to be used _____ County Hland
March - 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 160

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.
SW1/4 of SW1/4-24-111-66	40		
SE1/4 of SW1/4-24-111-66	40		
NW1/4 of SW1/4-24-111-66	40		
NE1/4 of SW1/4-24-111-66	40		

Attach sheet if more space is needed

10. Time required to complete construction of water supply system 5 years. Additional time required to complete application of water to the proposed beneficial use 2 years.

11. Choice of county newspaper for publication of Notice of Intent to Appropriate Water Daily Plainsman,
Huron, SD 57350

12. Principal Features of the Proposed Water Supply System.

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

Pump Bowl

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

Main Line

C. Works proposed to apply water to beneficial use.

Center Line

Estimated Total Cost \$ _____

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 Beadle) ss

I, Jerry Mehling 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 Jerry Mehling
 Subscribed and sworn to before me this 21st day of September, 1981

Notary Public (or other qualified officer)

COMMISSION EXPIRES
 MARCH 4, 1984

WATER RIGHT APPLICATION APPROVAL

The Water Management Board hereby approves Water Right Application No. 7824-3

JERRY MEHLING
(Applicant)

RR. 2, Box 65 WESSINGTON
(Post Office Address)

SOUTH DAKOTA 57381
(State)

With the following qualifications

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 adequate domestic wells.

This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

Date of first receipt of application OCTOBER 5, 1981

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

Date of receipt of corrected application NOVEMBER 6, 1981

Approved DECEMBER 3, 1981, Recorded in Book 22 Page 319

WATER RIGHT PERMIT NO. 4824-3

The Water Management Board hereby grants and issues this Water Right Permit No. 4824-3 authorizing the construction of the water use system and the putting of water to beneficial use as stated in the Application and as qualified in the Water Right Application approval, subject, however, to the following limitations and conditions:

1. The date from which applicant may claim right is OCTOBER 5, 1981
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before JUNE 3, 1984
3. The whole of said work is to be completed on or before DECEMBER 3, 1986
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is DECEMBER 3, 1988
5. The water appropriated shall be used for the purpose of IRRIGATION
6. The prior right of all persons who, by compliance with the laws of the State of South Dakota, have acquired a right to the use of water must not be injuriously affected by this appropriation.
7. The amount of the appropriation herein granted shall not exceed 2.28 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 irrigation purposes said appropriation must be limited to not more than 2 acre feet per acre per year and be limited to not more than one-seventieth (1/70) of one cubic foot of water per second of time for each acre of land to which water is actually and beneficially applied for irrigation on or before DECEMBER 3, 1988; said water to be used during the following described annual period: MARCH 1ST TO NOVEMBER 1ST

Witness my hand this 8th day of DECEMBER, 1981

THE WATER MANAGEMENT BOARD

By: John Hatch
Chief Engineer, Water Rights JOHN HATCH

Certificate of Construction Issued _____, 19____

Water License Issued _____, 19____

HUKON DRILLING INC. DRILLERS LOG

PAGE NO.

Jerry Mehling
JOB NAME

NE $\frac{1}{4}$ -23-111-66-Hand Co.
LOCATION

9-16-81
DATE

10
RIG NO.

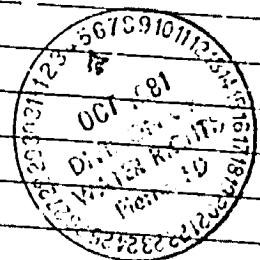
John Gullford
FOREMAN

Jt No.	DEPTH	TIME	REMARKS		
1	20		NE $\frac{1}{4}$ -23111-66-Hand County		
2	40		0-2 Topsoil		
			2-27 Yellow Clay		
3	60		27-40 Blue clay with sand stringers		
4	80		40-60 Blue clay with some sand streaks		
5	100		60-80 Fine sand with blue clay streaks		
			80-87 Fine sand		
			87-100 Blue clay		
6	120		100-120 Coarse sand and gravel, good water loss		
7	140		120-135 Coarse gravel		
			135-140 Shale		

23-111-66

John Gullford

Hukon Drilling Inc.



D Well Information

- (1) Drill Hole, Diameter 30', Depth 120'
- (2) Casing, Type Plastic (wood, concrete, steel, etc), Diameter 16", Thickness .500
- (3) Screen, Type Slotted, Diameter 16", Length 20'
- (4) Gravel Pack, Thickness 7", Length of gravel pack Top to Bottom

E. Dugout Information or Estimates

- (1) Surface dimensions, _____, Depth _____

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

- (1) Water Bearing Materials. (Attach a copy of test well log)

Depth to top of water bearing material 70'

Depth to bottom of water bearing material 120'

Depth to water (ground surface to water level) 30'

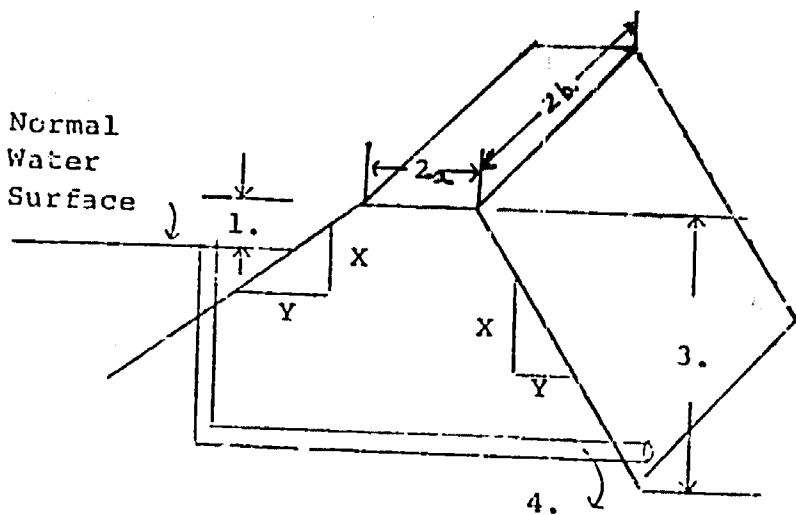
- (2) Distance to nearest existing household or livestock watering well.

On same owner's property 640 rds.

On property owned by others 240 rds.

G. Water Storage Dams

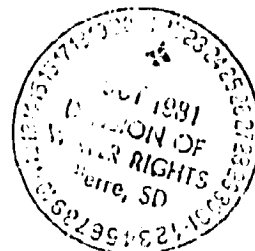
If the proposed water use system contains one or more water storage dams, please show in the space below, the height, length, maximum water depth, surface area, drainage area, storage capacity, dam slope, dimensions, location and size of outlet works, of each storage dam. The location of each water storage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



1. Freeboard _____
- 2a Crest width _____ b. length _____
3. Height of Dam _____
4. Outlet dimensions:
 - Pipe diameter _____
 - Spillway width _____
- X & Y slope:
 - Upstream _____
 - Downstream _____
- Surface area of impoundment _____
- Drainage area above dam _____

Jerry Mehling
Signature of Applicant

October 20, 1981



Jerry Mehling
Rt. 2, Box 65
Wessington, SD 57381

Dear Mr. Mehling:

Enclosed is your copy of the laboratory report of analysis for water sample No. 31-1217.

I have plotted the approximate quality of your water by means of a red cross in the chart located on the back cover of the accompanying AES pamphlet #13.

Sample No. 31-1217 is classified as a high saline, low sodium water. It is marginally suitable as a source for irrigation due to the presence of substantial amounts of calcium and magnesium salts.

Irrigation application rates should exceed crop requirements. This will allow the moderately heavy salt load dissolved in your water to pass through the soil rooting zone (top two feet).

The Houdek-Banilla, Houdek-Zahl loams, and the Lane silt clay soils found in the SW 1/4 of Section 24-111-66 are compatible with the quality of water sample No. 31-1217. However, the Tetonka silt loam depressions found in the NE 1/4 of the SW 1/4 of Sec. 24-111-66 may pond under irrigation. Persistent wet spots in these depressions should be maintained in grass or a grass/alfalfa mixture.

If a salt problem or a rising water table develops under irrigation, please contact your county extension agent or this office for assistance.

The WI-1, soils information, and a copy of the water analysis are being forwarded to the Division of Conservation for their action.

Sincerely yours,

Michael U. Sanders
Water Quality Lab
Division of Conservation

MHS:ckb
Enclosures
cc: Division of Conservation
B. Pahl, Extension Service
Division of Water Rights

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

Name: JERRY MEHLING Date Rec'd Oct 05 1981
Address: Rt 2, Box 65 Sample No. 81-1217
WESSINGTON SD 57381 Identification
72 111K 657 23 7

WATER ANALYSIS

Calcium (Ca)	200	ppm*	9.93	me/l**
Magnesium (Mg)	52	ppm	5.10	me/l
Sodium (Na)	66	ppm	2.87	me/l
Potassium (K)	4	ppm	0.10	me/l
Sulfate (SO4)	100	ppm	8.23	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	60	ppm	1.69	me/l
Bicarbonate (HCO3)	395	ppm	6.48	me/l
Carbonate (CO3)	0	ppm	0.00	me/l
Iron (Fe)		ppm		me/l
Fluoride (F)		ppm		me/l
Manganese (Mn)		ppm		
Boron (B)		ppm		
Hardness (EDTA as CaCO3)		ppm		1 p.p.g.***
Total Solids		ppm		
Total Cations			18.05	me/l
Total Anions			16.50	me/l
Alkalinity (Methyl Orange)	324	ppm (as CaCO3)		
Alkalinity (Phenolphthalein)	0	ppm (as CaCO3)		
Electrical Conductivity	1450	microhos per cm at 25 C		
Sodium Adsorption Ratio	1.05	Adjusted SAR	2.87	
Sodium	15.90	% of Cations		
Residual sodium carbonate	0.00	me/l		
pH	7.26			

Others:

*ppm=parts per million

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

**me/l=millequivalents per liter

COMMENTS

By: Shirley Mittan

Service Performed:

Amount Due:

Irrigation Analysis

\$28.00

Make checks payable to: Water Quality Laboratory

Cut along dotted line and return the lower portion with payment

Sample No. 81-1217

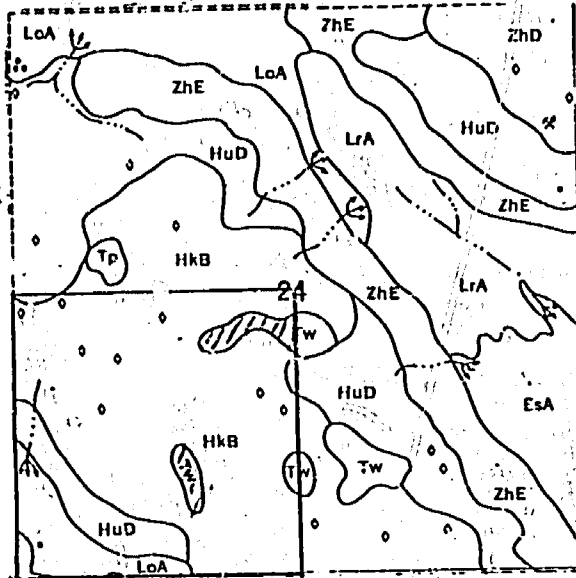
Amount Enclosed \$
Signed

HAND COUNTY CONSERVATION DISTRICT

118 EAST SECOND STREET
MILLER, SOUTH DAKOTA

MEHLING

ESS, S.D.



- HKB - Deep, dark-colored friable soils on nearly level land. These are well drained soils formed from glacial till. Substratum is slowly permeable.
- HUD - Well drained, dark colored soils formed from glacial till on steep slopes 6-8%. Substratum is slowly permeable.
- LOA - Deep, dark colored poorly drained soils on nearly level land.

RECEIVED

OCT 22 1981

South Dakota
Division of Conservation

REC. MGMT/FORM
4/81

SOUTH DAKOTA DEPARTMENT OF AGRICULTURE
DIVISION OF CONSERVATION

NAME OF APPLICANT Jerry Mehling

SW# 24-111-66

SOIL RESTRICTIONS:

THE SOIL(S) LISTED BELOW CANNOT BE IRRIGATED:

THE SOIL(S) LISTED BELOW CAN BE IRRIGATED WITH THE FOLLOWING RESTRICTIONS:

TW - Tetonka = These are poorly drained depressional soils that should be drained or left in permanent vegetation such as an alfalfa grass mixture, to prevent problems with ponding & traction. These areas are indicated by red hatch marks/

RECOMMENDED MANAGEMENT

SOIL/WATER COMPATIBILITY PERMIT APPLICATION FORM

STATE CONSERVATION COMMISSION
SOUTH DAKOTA DEPARTMENT OF AGRICULTURE

OWNERS NAME: Jerry Mohling OWNERS ADDRESS: R.R. 12, Box 65
Wessington, SD 57381

COUNTY LAND LOCATED IN: Hand PHONE: (605) 458-2594

TENANT'S NAME AND ADDRESS: (If Other Than Owner) _____

In accordance with State Law SDCL 46-5-6.5, if a water permit is granted with a conditional Soil/Water Compatibility permit, a copy of such conditional soil/water compatibility permit must be filed with the County Register of Deeds. This action must be taken by the holder of a water permit within 6 months of receipt of such water permit.

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

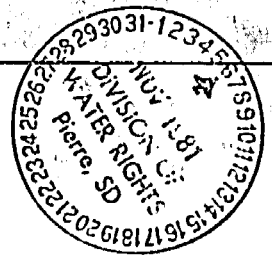
1. WELL LOCATION OR DIVERSION POINT: NE1/4-NE1/4-23-111-66 120' deep
2. SURFACE WATER SOURCE: Ground Water
3. LOCATION OF AREA TO BE IRRIGATED. NOTE: SOILS INFORMATION FOR THIS AREA MUST ACCOMPANY THE APPLICATION. (See instruction sheet)

Legal Description	Acres	Legal Description	Acres
SW1/4 of SW1/4-24-111-66	40		
SE1/4 of SW1/4-24-111-66	40		
NW1/4 of SW1/4-24-111-66	40		
NE1/4 of SW1/4-24-111-66	40		

4. TYPE OF IRRIGATION: GRAVITY: _____ TOWLINE: _____ CENTER PIVOT: X GUN: _____ OTHER: _____ (Specify)
5. CROPS TO BE IRRIGATED: Corn, Alfalfa, Small Grain
6. SHOW ANY PORTION OF LAND THAT PRESENTLY HOLDS AN IRRIGATION PERMIT: YEAR OBTAINED: _____
LEGAL DESCRIPTION: _____
IN WHAT NAME: _____

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

7. WATER SAMPLE NUMBER: 81-1217
8. SALINITY (EC X 10⁶): 1450
9. SODIUM (SAR): 1.05
10. ADJUSTED (SAR): 2.87(0.7) = 2.01



I hereby certify that I personally obtained or that I personally observed the taking of a sample of the water to be used in irrigating the above-described land. I also hereby certify that the required procedures for the taking of the sample (see instruction sheet) were followed, and that the sample was taken at 10:30 a.m./p.m. on 9-24-81, 1981, at the following location: NE1/4-NE1/4-23-111-66 AG by Jerry Mohling (individual who took sample if other than applicant). I also hereby certify that the water sample taken has NOT been adulterated or tampered with in any manner, and is TRULY REPRESENTATIVE of the water which will be used in irrigating the above-described land.

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

SUBSCRIBED AND SWORN BEFORE ME THIS

24th DAY OF November, 1981.

(NOTARY PUBLIC)

Jerry Mohling
APPLICANT'S SIGNATURE

Mark W. Felt
Director, Division of Conservation

IMPORTANT

Action by the Department of Agriculture or the State Conservation Commission is not the final action on any application. In all cases a WATER PERMIT must be obtained from the Board of Water Management.

APPROVED

DISAPPROVED

X CONDITIONALLY APPROVED

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

No. 4824-3

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Hand) ss.

I, Robert H. McFarlane hereby
certify that the annexed printed copy of Notice of Intent to Appropriate

Water was taken from the Miller Press

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 Miller of Hand

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

November 19, 1981

November 26, 1981

Robert H. McFarlane
(Signature)

Publisher
(Title)

November 27, 1981
(Date Signed)

No. 4824-3
NOTICE OF HEARING ON
APPLICATION TO
APPROPRIATE WATER
Pierre, South Dakota, 57501
November 9, 1981

Notice is hereby given that
Jerry Mehling whose post office
address is RR 2, Box 65,
Wessington, South Dakota, has
made an application in accor-
dance with the provisions of
SDCL 46-1-1 thru 46-1-12
thru 46-1-14; 46-2-9 thru 46-2-11,
46-2-13; 46-5-1 thru 46-5-8, 46-5-10
thru 46-5-22, 46-5-25, 46-5-41; 46-
6-3, 46-6-3.1, 46-6-5, 46-6-5.1, 46-6-
10, 46-6-13, 46-6-14 and Board
Rules ARSD 52:01:01:01 thru
52:01:01:13, for a permit to ap-
propriate for beneficial use 2.28
cubic feet of water per second of
time from groundwater (1 well)
through the Jerry Mehling Unit
#2, the point of diversion of
which is to be located in the
NE¼, NE¼ of Section 23, Twp.
111N, Range 66W. Said water to
be used for the purpose of pro-
viding irrigation on portions of
the following described land:
SW¼, Section 24, T111N, R66W.
This Application No. 4824-3
will be considered by the Water
Management Board at Howard
Johnson Motel, 3300 W. Russell,
Sioux Falls upon the 2nd day of
December, 1981 at 10 A.M. The
Board is authorized to make a
determination on this ap-
plication at the hearing. All in-
terested persons may appear
and be heard. Any person who
may be affected by a Board
decision who desires to present
evidence or cross-examine wit-
nesses according to SDCL 1-26
may notify the Board in writing
prior to the hearing or orally at
the hearing.

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

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

For the Water Management
Board

BETTY WESTLUND,
Water Rights Specialist

FPN010

LPN011

Cost of Printing: 21.38

72 lines @ .165 per line

10 1/2 Picas - 8 Point

First insertion @ regular rate

Second insertion @ 80%

Circulation: 2550

WNR-808-7/79

Proof of Publication

4324-3
No. _____

Publish first publication on or before November 20, 1981

NOTICE OF HEARING ON
APPLICATION TO APPROPRIATE WATER

Pierre, South Dakota, 57501

November 9, 1981

Notice is hereby given that Jerry Mehling whose post office

address is RR 2, Box 65, Messington, South Dakota, has made an application in accordance with the provisions of SDCL 46-1-1 thru 46-1-9, 46-1-12 thru 46-1-14; 46-2-9 thru 46-2-11, 46-2-13; 46-5-1 thru 46-5-8, 46-5-10 thru 46-5-22, 46-5-25, 46-5-41; 46-6-3, 46-6-3.1, 46-6-5, 46-6-6.1, 46-6-10, 46-6-13, 46-6-14 and Board Rules ARSD 52:01:01:01 thru 52:01:01:13, for a permit to appropriate for beneficial use 2.28 cubic

feet of water per second of time from groundwater (1 well) through the Jerry Mehling-

Unit #2, the point(s) of diversion of which is(are) to be located in the _____
NE 1/4

of Section 23, Twp. 111N, Range 66W. Said water to be used for the purpose of providing irrigation or portions of the following described land:

S 1/4, Section 24, 111N, 66W

This Application No. 4324-3 will be considered by the Water Management Board at Howard Johnson Motel, 3300 W. Russell, Sioux Falls upon the 2nd day of December, 1981

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

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

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

For the Water Management Board

cc: applicant

BETTY WESTLUND, Water Rights Specialist

WNR-806A-10/81 Notice of Intent to Appropriate Water
GROUNDWATER

RECEIPT

WATER RIGHTS COMMISSION
State of South Dakota

No 4 8504

F. ERRE, October 5, 1981

RECEIVED OF Jerry Mehling, RR #2, Box 65, Wessington, SD -57350-57391
the following amount in fees for services rendered as provided for by law:

Fee for Application for Permit to Appropriate Water No. 4824-3 (examination, processing, recording and filing)	250.00
Fee for Inspecting Construction, and Issuing Cert. of Construction No.	
Fee for Inspecting Beneficial Use, and Issuing Water License No.	
Fee for Issuing Location Certificate-Dry Draw, No.	
Fee for filing	
Fee for certified copy of	
Fee for Print copy of map	
Fee for Certifying	
Fee for (any other work as provided by law)	
TOTAL	250.00

WATER RIGHTS COMMISSION

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

NOTICE OF COMPLETION OF WORKS AND/OR
APPLICATION OF WATER TO BENEFICIAL USEPost Office Wessington 57721 *Dep 6*Date Aug 15 1982 *5-73*TO: Water Rights Commission
Joe Foss Building
Pierre, South Dakota 57501

Dear Sirs:

This is to inform you that I have completed the construction of the water diversion system and/or that I have put the water to beneficial use to maximum extent it is going to be used, not exceeding the amounts as specified in Water Right No. 4824-3.

Water Right Permit No. 4824-3 states that the diversion system is to be constructed by Dec. 3, 1986, and that the water is put to beneficial use by Dec. 3, 1986.

The diversion system was completed on July 16, 1982. Applying the water to beneficial use was completed on July 17, 1982.

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

Jerry Mahling
(Signature)



SOUTH Dakota Department of
Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501

Division of Water Rights
605 773-3352

No. 4824-3

July 19, 1988

Jerry Mehling
RR 2, Box 65
Wessington, South Dakota 57381

Dear Mr. Mehling:

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. 4824-3 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
Secretary

ms/

NOTE: On check or money order, please indicate the number of the water permit. This insures proper handling of the fee.

DWNR-814 8/83

RECEIPT

Division of Water Rights

South Dakota Department of Water and Natural Resources

Pierre, July 25, 1928, 19__

441200

RECEIVED OF Jerry or Deborah Mehling, RR 2, Box 65, Wessington, SD 57381-9457
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. <u>4624-3</u>	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 J. L. Hatch
Chief Engineer JOHN HATCH (INS)

Permit No. 4824-3James River Water District10160006**Report Of Examination Of Works And/Or Application Of Water To Beneficial Use**

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

I have this day made a thorough examination of the water use system constructed by Jerry Mehling
RR 2 Box 65 of Wessington, SD 57381 holder of
 Permit No. 4824-3, bearing the priority of October 5 19 81 authorizing
 the diversion of 2.28 cu. ft. per second of the waters of groundwater (1 well)
 for irrigation purposes, in Hand County.

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

A. Works used to divert the water: 120' Deep Well, 16" Plastic Casing, 20' St. Steel
Western Land Roller Pump - Ser. No. 8705253, 5 Stages Screen
General Electric Motor - Model 5K6254XM501A, Ser. No. ENJ511386
60 H.P.

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

≈ 4700' of 8" PVC Pipe (underground)

C. Works used to apply water to beneficial use:

Valley Center Pivot
7 towers

operated at 40 psi

The system is in the following condition Excellent

The point of diversion is located NE 1/4 NE 1/4 Section 23, T111N, R66W
100' W & 100' S of the NE corner of Section 23.

The works are capable of diverting and conveying to the place or use 1.55cu. ft. per second of water which is to be used for irrigationWater has been put to beneficial use to the maximum extent as follows: SW 1/4 Sec. 24, T111N, R66W

NW 1/4 SW 1/4 - 33 acres

NE 1/4 SW 1/4 - 33 "

SW 1/4 SW 1/4 - 33 "

SE 1/4 SW 1/4 - 33 "

comprising a total of 132 acres of land and the license should be issued for 1.55 cfsApplicable permit qualifications have been complied with ☒ Yes ☐ NoExceptions to compliance are: _____ Date 6-28-88

James L. Wendt
 (signature)

Jerry Mehling
6-28-88

LICENSE FOR PERMIT NUMBER 4824-3

1. Legal location of wells: NE 1/4 NE 1/4 23-111-66

dams & structures: _____

2. Well Information: Well Drilling Firm Huron Drilling

No. of wells 1 Depth 120'

Casing a) diameter 16" Screen a) type 54. Steel
b) length - b) length 20'
c) type Plastic Static Water Level 30'

Pump a) make Western Land Roller Motor a) make Gen. Electric
b) ~~model~~ Ser. No. 8705253 b) model no. 5K6254XM501A
c) size - c) horsepower rating 60
d) capacity - GPM d) ~~motor efficiency rating~~
e) turbine pump -
no. of stages 5 Ser. No. ENJ511386

3. Distribution lines:

a) size of lines 8"
b) type PVC (underground)
c) length ≈ 4700'

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 _____

i) Outlet tubes:

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

h) Distribution lines or canals:

1) size _____
2) type _____
3) length _____

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 Valley
- 2) number of towers 7
- 3) distance between towers _____
- 4) overall length ≈ 1280'
- 5) End gun (Y/N) _____
- 6) high or low pressure _____
- 7) make & size of nozzles _____
- 8) PSI reading while system is running 40
- 9) GPM 700

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.

Excellent Condition

MURON DRILLING INC. DRILLERS LOG

Verdington, I.D.

PAGE NO. 1 of 1

Jerry Mehling

Wm. J. - 111-66- Bond Co.

3-16-82

14

Dennis DuVall

JOB NAME**LOCATION**

DATE:

RG NO

FOREMAN

DATE	LOCATION	RIG NO.	FOREMAN
IN.	DEPTH	TIME	REMARKS
	10		0-2- Topsoil
1	20		2-16 Yellow Clay
2	30		16-17 Yellow Sand & Gravel
3	40		17-24 Yellow Clay
4	50		24-37 Blue Clay
5	60		37-45 Blue Clay with sand & gravel streaks Rocks 4 37-44
6	70		44-49 Blue Clay
7	80		49-58 Hard Blue Clay
8	90		58-72 Fine Sand
9	100		72-93 Blue Clay
10	110		93-100 Hard Blue Clay
11	120	TD	100-120 Course Sand, Gravel & Rocks Good Water logs
			Ve dug pit
			20' - 16" Johnson Stainless Steel Screen .075 slot
			100-15" PVC Flange

Wellington, SL
WELL REPORT
Sand County

HUKOH
DRILLING CO.
Hazen, S. D.

0111 0011.00

22-72-11 -66

March 21, 1962

OWNER

DESCRIPTION

DATE _____

CASING LOG

Depth 120 ft.

Flows	gpm
-------	-----

Pumps 1100 gpm

Head 57 ft.

Plot 14 Screen 6 Bottom
Perforations ft.

PROJECT

REMARKS

6 days.
Drilling Time

5. Ton Edition Gr. v. 2

Rig No. 55

W. C. Long, Pitt

JOHN R. SULLIVAN

3. Angu Bentonite

State of South Dakota
Water License No. 4824-3

(1) Jerry Hehling
of RR 2, Box 65, Messington, South Dakota 57361
made Application No. 4824-3, October 5, 1981 for a water permit to appropriate
2.28 cubic feet per second of water from groundwater (one well)
Hand County, South Dakota for irrigation purposes.
Permit No. 4824-3, with a priority date of October 5, 1981
was approved December 3, 1981 and issued to applicant(s) for diversion of water with construction of the described
water supply system to be completed on or before December 3, 1986 and for the application to beneficial use of said
water on or before December 3, 1988.

and

(2) It is certified that the applicant 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 1.55 cubic feet per second of water
for beneficial use. The location of the diversion point(s) is 100' West and 100' South of the NE Corner
of Section 23, T111N, R65W (NE1/4)

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, irrigate the following land:

T11111, R6666 Section 24

NE1/4SW1/4 33 Acres

NE1/4SW1/4 33 Acres

SW1/4SW1/4 33 Acres

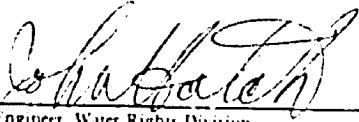
SE1/4SW1/4 33 Acres

TOTAL 132 ACRES

(4) Pursuant to §46-5-30.1 Jerry Mehling
of RR 2, Box 65, Wessington, South Dakota 57381

the holder(s) and/or owner(s) of Water Permit No. 4824-3 is issued a license to appropriate water, the right to use 1.55 cubic feet per second of water from groundwater (one well) with a priority date of October 5, 1981 from the location specified in (2) of this license. The water to be conducted to and upon lands specified in (5) of this license for the purpose of irrigation

This license is subject to any limitations or qualifications listed in Water Permit No. 4824-3 and subject to South Dakota State Law.


Chief Engineer, Water Rights Division
Department of Water and Natural Resources **JOHN HATCH**

DEC 21 1988

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

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

DEC 21 1988

4824-3

Jerry Mehling
RR 2, Box 65
Wessington, South Dakota 57381-9457

Dear Mr. Mehling:

Enclosed is Water License No. 4824-3. This is the final water right document completing your process of obtaining a Water Right.

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. 4824-3, 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
JOHN HATCH, Chief Engineer
Water Rights Division
605 773-3352

enclosures



NOT TO SCALE

① (32.4)

33.5

111-66
H-16

T 2150

26.6 ①

Transferred
to Beadle Co.
T 2602

Pipeline

24

T 1528

T 1524

33 ac.

33 ac.

All Irrigated
Corner pivots also

33 ac.

33 ac.

①

153.2

-2.2

-3.3

147.7

Water Right No.

4824-3

James L. Wendt
N. R. Engineer
7-18-88

NOT TO SCALE

H-15

T1529

$$30' = .45 \times 51.60 = 2.3$$

This field is irrigated
The system is moved
3 times down the strip

Well →

100'
100'

⑦
24.0 94.5

⑧
11.8

23

Pipeline →

T1549

①
233

James L. Wendt
N.R. Engineer
7-18-88

143.1

③
140.6

111-66

Water Right No. 4824-3

4824-3



February 5, 2003

DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

Jerry Mehling
20631 372 Ave
Wessington SD 57381

Dear Mr. Mehling:

Enclosed, as we discussed, are application forms and an instruction sheet for filing for a water permit.

I spoke with Eric Gronlund with our program about how many applications you would need to file based on the information you gave me. Eric handles our new applications. He indicated that given the location of the proposed irrigation systems, you could probably get by with filing two applications as compared to three. The land separated by a road could be put on one application and the land a half mile away should go on a separate application.

We spoke briefly about the need for a test hole log to accompany your application. The purpose behind this requirement is two-fold. One, it will assist you in knowing if there is actually water at the location you wish to put in a well. Two, it assists us in determining which aquifer you will be withdrawing water from.

Our WEB address is located on the instruction sheet. The internet site has more application forms to download if you need them and also contains very in depth information on water law and obtaining water permits.

If you have any questions over any of the materials I have enclosed, please give us a call.

Sincerely,

Genny McMath
Environmental Scientist
Water Rights Program
(605) 773-3352