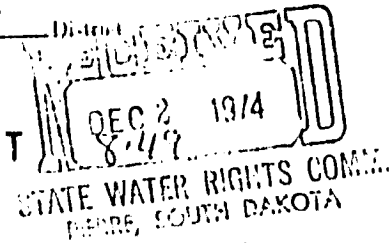


1. Considered JANUARY 22, 1975 2158-3
2. Name of Applicant DUANE A. NELSON
3. Post Office Address MECKLING
4. Amount of water claimed .80
5. Source of water supply GROUND WATER (118')
6. Water to be used for IRRIGATION
- Acres to be irrigated 54
7. Water to be diverted and used in CLAY county
about 85.36 miles of GAYVILLE
8. Proof of Publication Received 12-30-74
Not Received _____
9. Application Approved _____
Subject to _____
Not Approved _____
Action deferred _____

10. Remarks:

APPENDUM TO 2027-3

No. 2158-3
 Map No. 1552-3 Water Division No. 3 JAMES RIVER
 (Blanks to be filled by the Engineer for the W. R. C.)



APPLICATION FOR PERMIT

To Appropriate Water within the State of South Dakota

(NOTE - Draw a line through items not applicable)

- Name of Applicant Duane A. Olson
 Postoffice address Neokling State South Dakota
 If a corporation show date and place of incorporation _____
- Method of accomplishing work (contract, employment of others, or by direct labor) Contract
- Name of diversion work Duane Olson Irrigation Project #1
- Amount of water claimed (cubic feet per second) 0.8 of the original permit #12027-3
- Source of water supply Well
- Location of point of diversion 1250' N 135° W at NE corner of section 16, T-9S N, R-53W
 County Clay
- Annual period or periods during which water is to be used May through October
- Use to be made of water (irrigation, industrial, municipal, commercial, recreation, etc.) Irrigation
- For irrigation use, Total number of acres to be irrigated 54

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 NE 1/4 16-92-53	3 1/4		
SE 1/4 of NE 1/4 16-92-53	12		
N 1/2 of NE 1/4 16-92-53	8		

Attach sheet if more space is needed

- Time required to complete construction of water supply system Five years. Additional time required to complete application of water to the proposed beneficial use three years.
- Choice of newspaper for Notice of Intent to Appropriate Water publication Plain Talk
- Principal Features of the Proposed Water Supply System.
 - Works proposed to divert water from its natural source. well with deep well turbine electrically powered
 - Works proposed to transport water to place of use. closed conduit
 - Works proposed to apply water to beneficial use. center pivot irrigation system

Estimated Total Cost \$25,000

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 Clay

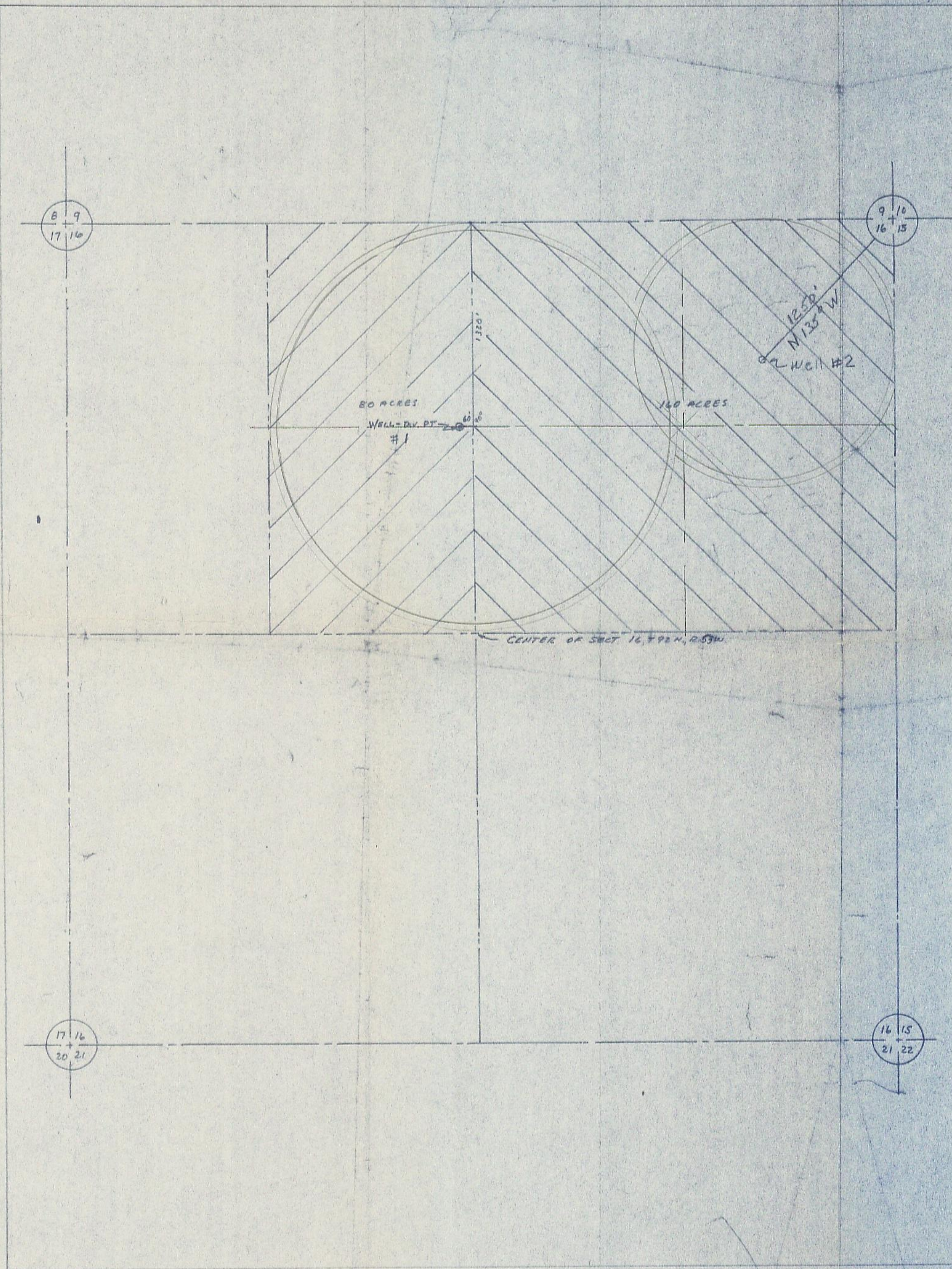
I, Duane A. Olson the applicant, certify that I have read the foregoing application and have examined the attached map and that the matters therein stated are true and that I intend, and am able to complete the necessary construction.

Signed Duane A. Olson

Subscribed and sworn to before me this 14 day of November, 1924.

Sharon E. Wilson
 Notary Public (or other qualified officer)

Note! This is an addendum to permit #12027-3

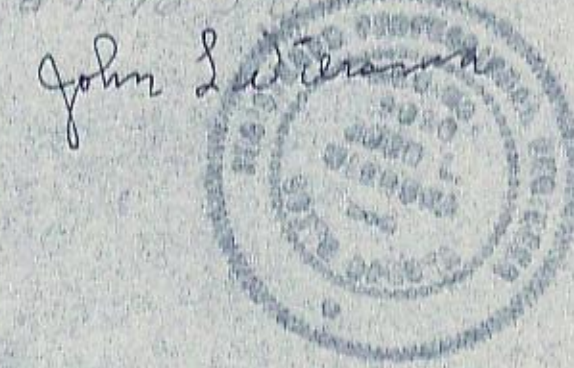


AREA BY LEGAL SUBDIVISION
 160 ACRES NE 1/4 SECT 16 T. 92N., R. 53W. 5TH PM.
 80 ACRES E 1/2 OF NW 1/4 SECT. 16
 240 ACRES TOTAL

SURVEYOR'S CERTIFICATE
 STATE OF SOUTH DAKOTA) ss
 COUNTY OF MINNEHAWKA)
 I, HARLAN W. MEYER, A REGISTERED LAND SURVEYOR
 IN AND FOR THE STATE OF SOUTH DAKOTA, DO HEREBY
 CERTIFY THAT AT THE REQUEST OF DUANE OLSON,
 SOLE OWNER, I HAVE SHOWN THE LAND PROPOSED TO BE IRRIGATED
 WITHIN HIS OWNERSHIP BOUNDARIES ON OCT. 7, 1973 FOR WHICH
 APPLICATION FOR APPROPRIATIVE WATER RIGHT IS MADE.
 THIS MAP IS A TRUE REPRESENTATION OF THE SAME.
 WITNESS MY HAND AND SEAL THIS 7TH DAY OF OCT. 1973

Harlan W. Meyer
 REG. L.S. # 495 S.DAK.

ADDENDUM: Harlan W. Meyer desires an added point
 of division. This is indicated by well #2 located 1250'
 N 135° W of NE corner of section 16. No additional
 water requested beyond original permit #2027-3
 Addendum prepared by John L. Wiersma
 Nov. 14, 1974 P.E. # 1976 S.D.



SCALE 1" = 400'

DUANE OLSON IRRIGATION PROJECT #1
 PORTRAYS AREA TO BE IRRIGATED & WELL DIVERSION POINT LOCATION.
 FOR PERMIT TO APPROPRIATE WATER

OWNER DUANE OLSON
 SURVEYOR HARLAN W. MEYER

OCT 73

WATER RIGHT APPLICATION APPROVAL

The Water Resources Commission hereby approves Water Right Application No. 2158-3DUANE A. OLSON
(Applicant)MECKLING

(Post Office Address)

SOUTH DAKOTA 57044
(State)

With the following modifications:

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 existing domestic wells or in irrigation wells having prior water rights.

LANDS COVERED UNDER THIS ARE ALSO COVERED UNDER PERMIT 112027-3. A COMBINATION OF DIVERSIONS UNDER THE TWO PERMITS SHALL NOT EXCEED THE STATUTORY LIMIT OF 1 CFS. FOR EACH 70 ACRES IRRIGATED.

Date of first receipt of application DECEMBER 2 19 74Date of return to applicant for correction, amendments or changes required 19 Date of receipt of corrected application 19 Approved JANUARY 23 19 75, Recorded in Book 13 Page 159WATER RIGHT PERMIT NO. 2158-3

The Water Resources Commission hereby grants and issues this Water Right Permit No. 2158-3 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 DECEMBER 2 19 742. The equivalent of at least one-fifth of the work above specified is to be completed on or before JULY 23 19 773. The whole of said work is to be completed on or before JANUARY 23 19 804. The limit of time from proof of beneficial use of water appropriated in accordance herewith is JANUARY 23 19 835. 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 .80 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 JANUARY 23 19 83; said water to be used during the following described annual period: MAY THRU OCTOBER

Witness my hand this 24TH day of JANUARY 19 75

WATER RESOURCES COMMISSION

By:

Donald P. Powell
Chief Engineer, Executive OfficerCertificate of Construction Issued July 7 19 76Water License Issued July 7 19 80

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

D. Well Information or Estimates

- (1) Drill Hole, Diameter 2.2", Depth 118'
(2) Casing, Type Steel Diameter 12" Thickness 1/4"
(wood, concrete, steel, etc)
(3) Perforated Screen.
Type Schlosser Inverted, Diameter 12', Length 30'
(4) Gravel Pack, Thickness —, Length of gravel pack —

E. Dugout Information or Estimates.

- (1) Surface dimensions —, Depth —

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

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

Character of Water bearing materials See attached Log

Depth to top of water bearing material 32'

Depth to bottom of water bearing material 118'

Thickness of water bearing material 86'

Depth to water (ground surface to water level) 12'

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

On same owner's property 60 rds. On property owned by others 116 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.

Duane A. Olson
Signature of Applicant

IRRIGATION & DRILLING COMPANY

Ph. 352-4527

[illegible]

STATE CONSERVATION COMMISSION
SUPPORTING INFORMATION
FOR APPROPRIATION OF GROUND WATER IN ACCORDANCE
WITH SDCL 46-6-3 AS AMENDED
(This Form Required for Proposed Well Irrigation Only)

FOR COMMISSION USE ON:
Irrigation System: _____
Water Quality: _____
Soils Capability: _____
Approved: Albert K. Jell
Disapproved: _____

NAME: Duane Olson
ADDRESS: RFD Neckling, South Dakota
COUNTY: Clay

LEGAL DESCRIPTION

1. WELL LOCATION: 76 rods and 135 degrees SW of NE corner of Sec. 16-92-53
2. AREA TO BE IRRIGATED: 34 acres in NE 1/4 NE 1/4 16, 12 acres in SE 1/4 NE 1/4 16, and 8 acres in NW 1/4 NE 1/4 16-92-53

TYPE OF IRRIGATION

3. GRAVITY SPRINKLER (Indicate Type): center pivot
4. CROPS TO BE IRRIGATED: corn, beans, and alfalfa

LAND CAPABILITY FOR IRRIGATION

5. PERCENTAGE OF SLOPE: average slope 1 percent
6. PHYSICAL SOILS CLASSIFICATION FOR IRRIGATION: attached

WATER QUALITY (TO BE COMPLETED BY COMMISSION)

7. SAMPLE NO.: 74-912
8. SALINITY: EC = 1674 micromhos/cm (high)
9. SODIUM: SAR = 1.86

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

the land capability for irrigation information has been acquired from

Soil Conservation Service

and:

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

Quinn P. Olson

Subscribed and sworn before me this

14th day of November 1924.

John Carlson

Notary Public

(Title)

Dwane Olson

Clay County

Information prepared by the Soil Conservation Service, Vermillion, S. Dak.

Soils

55-1-0	Haynie	1.0	intake family	Approx.	50 acres
56-1-0	Onawa	0.1	" "	"	2 "
54-1-1	Sarpy	3.0	" "	"	2 "

Haynie - capability class II deep, loamy, well and moderately well drained soils on bottom lands that sometimes receive beneficial overflow. They have few or no limitations in use.

Onawa - capability class IIw3 deep, clayey, limy, poorly drained soils on bottom lands that are sometimes flooded. Time of tillage is often delayed by wetness and yields are affected.

Sarpy - capability class IIIs5 deep, moderately well drained, nearly level (0-2%) soils with moderately sandy surface layers and light colored, very limy, sandy subsoils. They have a fluctuating water table and severe wind erosion hazard.

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

Submitted by: Lorne Olsen
Address: Hookling, SD 57044

Date Rec'd October 31, 1974
Sample No. 74-912
Identification Well-

WATER ANALYSIS

Calcium (Ca)	210	ppm*	10.50	me/l**
Magnesium (Mg)	64	ppm	5.25	me/l
Sodium (Na)	120	ppm	5.22	me/l
Potassium (K)	16	ppm	0.43	me/l
Sulfate (SO ₄)	440	ppm	9.15	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	22	ppm	0.63	me/l
Bicarbonate (HCO ₃)	644	ppm	10.56	me/l
Carbonate (CO ₃)		ppm		me/l
Iron (Fe)		ppm		me/l
Fluoride (F)		ppm		g.p.g.***
Hardness (EDTA as CaCO ₃)		ppm		
Alkalinity (Methyl Orange)	523	ppm (as CaCO ₃)		
Alkalinity (Phenolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	1674	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	1.86			
Sodium	24.39	% of cations		
Residual sodium carbonate	0.00	me/l		
pH	7.04			
Others:				

*ppm=parts per million

**me/l=milliequivalents per liter

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

COMMENTS: Total cations 21.40 me/l
Total anions 20.34 me/l

Please fill in the enclosed questionnaire and return with your payment.

By: Shirley Hitten

Service Performed _____ Amount Due _____

Irrigation analysis

\$6.00

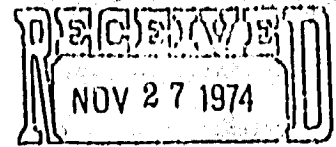
Make checks payable to: Water Quality Laboratory

Cut along dotted line and return the lower portion with payment

Sample No. 74-912

Amount Enclosed \$ _____

Signed _____



November 20, 1974

STATE WATER RIGHTS COMM.
PIERRE, SOUTH DAKOTA

Mr. Duane Olson
RFD
Meckling, SD 57044

Dear Mr. Olson:

We have received the WI-1 form for your application to irrigate the NW $\frac{1}{4}$ NE $\frac{1}{4}$ of Sec 16 and SE $\frac{1}{4}$ NE $\frac{1}{4}$ of Sec 16 and NW $\frac{1}{4}$ NE $\frac{1}{4}$ of Sec 16 T92N R53W.

The water which you have, the original copy of the analysis was sent to you earlier, is moderately high to high in total salinity and may cause occasional accumulations of salt on the surface of the root zone. This will be indicated by gray or white crusts on the soil surface if they do occur. The crops which you intend to irrigate, corn, beans, and alfalfa, are fairly tolerant of salinity except that beans are not as good as corn or alfalfa. If salt should accumulate by the use of this water to the point that the growth of these crops is reduced, you may be able to undertake a leaching program to remove the salts from the root zone by a heavy late fall or early spring irrigation. This, combined with the normal spring rainfalls which we experience, should leach the salt down through the root zone. However, before you undertake such a leaching program, get in touch with one of the water resource or extension specialists or your county agent for further instructions.

A copy of this analysis and the WI-1 form and a copy of this letter are being forwarded to the State Conservation Commission.

The Extension Circular 654 which is enclosed shows the approximate quality of your water for irrigation purposes by an encircled red cross on the back cover. Please read this circular carefully, especially those portions pertaining to salt accumulation.

Sincerely yours,

L. O. Fine

L. O. Fine
Water Quality Lab

LOF:111

Enclosure

CC: State Conservation Commission
Robert Schurrer, Clay County Agent
Darrel Pehl



Permit No. 2158-3

Water Diversion No. 3 Vermillion River Water District

CERTIFICATE OF CONSTRUCTION

This is to Certify, That Luane A. Olson

_____ the holder _____ of
Permit No. 2158-3, issued upon Application No. 2158-3, bearing date of priority of October 29,
1976 authorizing the diversion of 2.43 cu. ft. per second of the waters of _____
groundwater (two wells) County of Clay, State of South Dakota at _____
Well #1, center of N $\frac{1}{2}$, Section 16; Well #2, R 135⁰⁰W, 1250' from the
NE corner, Section 16, T92N, R52W
_____ for irrigation

_____ purposes, has _____ complied with the provisions of the laws of the State of South Dakota relating to proof of
completion of the works of diversion set out and described in said Permit; that said works are found in satisfactory
condition for diverting and conveying to the place of intended use 2.83 cu. ft. per second of water.

Date July 7, 1980


JOHN HATCH, Chief Engineer
Water Rights, WMD

WATER LICENSE NO. 2158-3

(1) WHEREAS, On the 2nd day of December A. D. 19 74

Duane A. Olson

made Water Right Application No. 2158-3 for a permit to use 3.42 cubic feet per second of the waters of groundwater (two wells)

County of Clay, State of South Dakota, for irrigation

purposes; and

(2) WHEREAS, On the 23rd day of January A. D. 19 75

Permit No. 2158-3, with a date of priority of October 29, 1976 *

was issued to said applicant for the diversion of said water, and provided for the completion of construction of the water supply system therein described on or before the 23rd day of January A. D. 19 80 and for the

application to beneficial use of said water on or before the 23rd day of January A. D. 19 83

and:

(3) WHEREAS, It is hereby certified that the applicant has complied with the provisions of the laws of the State of South Dakota relating to completion of the construction of the water supply system and is entitled to divert 2.67 cubic feet per second of water for beneficial use and.

(4) WHEREAS, It is hereby certified that the applicant has complied with the provisions of the laws of the State of South Dakota relating to the application of water to beneficial use of the following extent.

to irrigate the following lands all in Section 16, T92N, R52W

	ACRES
NE $\frac{1}{4}$ NW $\frac{1}{4}$	33
SE $\frac{1}{4}$ NW $\frac{1}{4}$	33
NW $\frac{1}{4}$ NE $\frac{1}{4}$	38
NE $\frac{1}{4}$ NE $\frac{1}{4}$	37
SW $\frac{1}{4}$ NE $\frac{1}{4}$	34
SE $\frac{1}{4}$ NE $\frac{1}{4}$	12
TOTAL ACRES	187

* This Water License combines Permit No. 2027-3 and 2158-3. The applicable portions of Permit No. 2027-3 are incorporated into this Water License No.

2158-3 and Permit No. 2027-3 has been placed in a cancelled status.

(5) NOW, THEREFORE, By the virtue of the authority vested in us by the laws of the State of South Dakota, We hereby grant and confirm to Duane A. Olson

_____ of Neckling, South Dakota

the holder _____ and owner _____ of said permit No. 2158-3 a water right, dating from October 25, 1976

_____ to use of 2.67 cubic feet per second of the waters

of groundwater (two wells)

in the County of Clay and State of South Dakota, or so much thereof as may be necessary for the

purposes hereinbelow mentioned, to be diverted at Well #1, center of NE, Section 16; Well #2,

N 135°W, 1250' from the NE corner, Section 16, T22N, R52W

and conducted to and upon portions of land in Section 16, T22N, R52W, more fully

described on the face of this license.

for the purpose of irrigation.

Subject to any limitations listed in Water Right Permit No. 2158-3 and subject to the laws of the State of South Dakota.

WITNESS, My hand and seal of our office at Pierre, South Dakota

this 7th day of July A. D.

Nineteen Hundred and Eighty

WATER MANAGEMENT BOARD

By:

John Hatch
Chief Engineer, Executive Officer
JOHN HATCH

2158-3

Publish first publication, on or before January 8, 1975NOTICE
INTENT TO APPROPRIATE WATER

Pierre, South Dakota 57501

December 3, 1974

Duane A. Olson

Notice is hereby given that

whose post office address is Meckling, 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 .9 cubic feet of water per second of time from the ground water through the Olson Well #2

the point of diversion of which is to be located in the

NE $\frac{1}{2}$ NE $\frac{1}{2}$

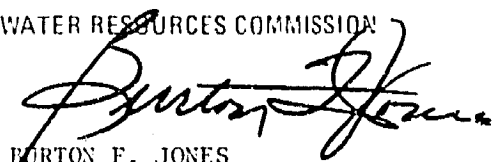
of Section 16, Twp. 92N, Range 53W. Said water to be used for the purpose of providing irrigation on the portions of the following described land:

E $\frac{1}{2}$ NE $\frac{1}{2}$ and NW $\frac{1}{2}$ NE $\frac{1}{2}$, Section 16, T92N, R53W

This application No. 2158-3 will be considered by the Water Resources Commission at their office at Pierre upon the 22nd day of January, 1975, at 2:30 P. M. All interested persons may appear and be heard.

WATER RESOURCES COMMISSION

By:


BURTON F. JONES

Water Rights Specialist

BFJ/bw

cc: Duane A. Olson, Meckling, S.D. 57044.Dec. 26 1974 & Jan. 2, 1975

Affidavit of Publication

State of South Dakota, County of Clay, ss.

Arden Bottapion

Being first duly sworn, deposes and says: That he is a resident of the County of Clay and State of South Dakota; that

THE VERMILLION PLAIN TALK

is a legal newspaper of general circulation, printed and published in Vermillion, in said County and State, by Plain Talk Publishers, Inc., MaryEtta Brose, president, and is now and has been such newspaper continuously during all the times hereinafter mentioned; that affiant is and was during all the time hereinafter mentioned in charge of the advertising department thereof, and has personal knowledge of all the facts stated in this affidavit; and that the notice and advertisement

headed

*Notice - Intent to
Appropriate Water*

a printed copy of which is hereunto attached and made a part hereof, was printed and published in the said newspaper at least

once in each week for 2 successive weeks; that said newspaper at the time of the first publication of said notice hereinafter stated, had, and still has, a bona fide circulation of over two hundred paid copies weekly, and had been published in the said county of Clay for more than one year immediately prior to the date of the said publication of said notice, and that said newspaper during said times, was, and is, printed in part in an office maintained at said city of Vermillion, the said place of publication; that the first publication of said notice in said newspaper

as aforesaid was on Thursday, the 19 day of Dec

1974, and that the succeeding publications were severally

on Thursday, the 26 day of Dec, 1974

on Thursday, the _____ day of _____, 19____

on Thursday, the _____ day of _____, 19____

on Thursday, the _____ day of _____, 19____

on Thursday, the _____ day of _____, 19____

on Thursday, the _____ day of _____, 19____

that the fees charged for the printing and publication of the said notice and advertisement in said newspaper as aforesaid were

Eight dollars and 78 cents and that said fees for the printing and publishing of said notice and advertisement have been fully paid; that the full amount of the fee charged for the publishing of the said attached and annexed notice and advertisement inures to the benefit of the publisher of the said newspaper, that no agreement or understanding for the division thereof has been made with any other person and that no part thereof has been agreed to be paid to any other person whomsoever.

Arden Bottapion

Subscribed and sworn to before me this 26 day

of December, 1974.

MaryEtta Brose
Notary Public

NOTICE INTENT TO APPROPRIATE WATER Pierre, South Dakota 57501 December 3, 1974

Notice is hereby given that Duane A. Olson whose post office address is Meckling, 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 .9 cubic feet of water per second of time from ground water through the Olson Well No. 2, the point of diversion of which is to be located in the NE 1/4 NE 1/4 of Section 16, Twp. 92N, Range 53W. Said water to be used for the purpose of providing irrigation on portions of the following described land: E 1/2 NE 1/4 and NW 1/4 NE 1/4, Section 16, T92N, R53W.

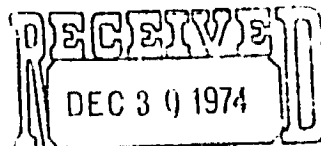
This application No. 2158-3 will be considered by the Water Resources Commission at their office at Pierre upon the 22nd day of January, 1975, at 2:30 P.M. All interested persons may appear and be heard.

WATER RESOURCES COMMISSION

By: Burton F. Jones

Water Rights Specialist

Pub. Dec. 19, 26, 1974



WATER RIGHTS COMMISSION
SOUTH DAKOTA

Permit No. 2158-3Water Division 3 VERMILLION RIVER Water DistrictREPORT OF EXAMINATION OF WORKS
AND/OR APPLICATION OF WATER TO BENEFICIAL USE

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

I have this day made a thorough examination of the water use system constructed by DUANE AOLSON of MECHLING holderof Permit No. 2158-3, bearing date of priority of OCTOBER 29, 1976authorizing the diversion of 3.43 cu. ft. per second of the waters of GROUNDWATERfor IRRIGATION purposes, in CLAY County.

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

The Water Use System consists of,

- A. Works used to divert the water:
- #1 WEST WELL - 108' DEEP WITH 18" CONCRETE CASING - WESTERN LAND ROLLER 8" PUMP #8M - 3 12KWH BOWLS WITH GE 75HP ELECTRIC MOTOR
- #2 EAST WELL - 102' DEEP WITH 8" PLASTIC CASING - PEERLESS 4" PUMP, #G104 46, POWERED BY 40 HP US ELECTRIC MOTOR

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

- W. WELL 30' OF 10" MAINLINE TO CENTER PIVOT
- E. WELL 20' OF 8" MAINLINE TO CENTER PIVOT

C. Works used to apply water to beneficial use.

- WEST SYSTEM - 10 TOWER ELECTROGATOR CENTER PIVOT WITH #200 END GUN, (900 GPM - 132 AC)
- EAST SYSTEM - 7 TOWER MINIGATOR, MODEL 555 - 852' LONG WITH #200 END GUN (375 GPM - 55 AC)

The system is in the following condition: GOODThe point of diversion is located WELL #1 CENTER OF THE N¹/₂4 WELL #2 - N135°W, 1250' FROM THE NE CORNER, SECTION 16, T42N, R52WThe works are capable of diverting and conveying to the place of use 2.83cu. ft. per second of water which is to be used for IRRIGATIONWater has been put to beneficial use to the maximum extent as follows: ALL IN SECTION 16, T42N, R52W

NE ⁴ NW ⁴	33 ACRES	SW ⁴ NE ⁴	31 ACRES
SE ⁴ NW ⁴	33 "	SE ⁴ NE ⁴	12 "
NW ⁴ NE ⁴	38 "		
NE ⁴ NE ⁴	37 "		

comprising a total of 187 acres of land. 2158-3

THIS WATER LICENSE COMBINES PERMIT NO 2027-3 AND 2158-3. THE APPLICABLE PORTIONS OF PERMIT NO 2027-3 ARE INCORPORATED INTO THIS WATER LICENSE NO 2158-3, AND PERMIT NO 2027-3 HAS BEEN CANCELLED.

Date MAY 6, 1982
Dustin J. [Signature]
 (Signature)

RECEIPT

WATER RIGHTS COMMISSION

State of South Dakota

N^o 4 7519

PIERRE, May 29, 1980

RECEIVED OF Duane A. Olson, Heckling, SD 57044

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

Fee for Application for Permit to Appropriate Water No. _____ (examination, processing, recording and filing) _____		
Fee for inspecting Construction, and issuing Cert. of Construction No. 2158-3	50	00
Fee for inspecting Beneficial Use, and Issuing Water License No. 2150-3		
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	50	00

WATER RIGHTS COMMISSION

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

 **Department of
Water & Natural Resources**

Joe Foss Building Water Rights, Water Management Division
Pierre, South Dakota 57501 (605) 773-3352

July 3, 1980

Duane Olson
Meckling
South Dakota 57041

Dear Mr. Olson:

Enclosed herewith are, Water License No. 2158-3 and Certificate of Construction.

Water License No. 2158-3 is the final water right document completing your process of obtaining a water right.

As long as you use the water beneficially, as stated in the Water License, the State Water Laws provide that you have a continuing right to use the water.

Very truly yours,

JOHN HATCH, Chief Engineer
Water Rights, WMD

JH: kw

enclosures

NOTE: This Water License combines Permit No. 2027-3 and 2158-3. The applicable portions of Permit No. 2027-3 are incorporated into this Water License No. 2158-3 and Permit No. 2027-3 has been placed in a cancelled status.

WNR-817-7/79
Transmittal of Water License

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

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

WATER RIGHTS DIVISION
(605) 773-3352

3475-3
4700-3
4613-3
4625-3
2158-3

November 17, 1987

Duane Olson
RR 1, Box 81
Meckling, South Dakota 57044

Dear Mr. Olson:

I am returning your 1987 Irrigation Water Use Questionnaires. As stated in the October 8th letter, Water Management Board Rules or water permit qualifications require questionnaires to be submitted each year.

Your questionnaires as returned do not provide the data that is required. I am unable to determine the monthly acre-feet of water that was used by a certain crop from your questionnaires. The questionnaires will have to be completed and returned by December 15, 1987.

If you have any questions, please contact me.

Sincerely,

Delvin D. Brosz, P.E.
Hydrologist

DDB:ms
Enc.

#2158-3

#3475-3

#4625-3

 **Department of
Water & Natural Resources**

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

February 17, 1989

Duane A. & Violet Olson
RR 1, Box 81
Meckling, SD 57044

Dear Mr. and Mrs. Olson:

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;

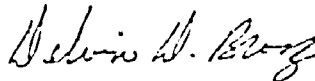


Each of these equipment requirements are discussed more thoroughly in Sections 74:02:09:05 through 74:02:09:10 of the enclosed rules. Appendix A contains diagrams of the arrangements of these anti-pollution devices.

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



2158-3

DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

November 3, 1992

No. 2158-3
3475-3
4625-3

D. A. Olson & Sons
RR 1, Box 81
Meckling, SD 57044

Dear Sirs:

Enclosed are partially completed "Notice of Transfer" forms for use in filing an ownership change on Water Right Nos. 2158-3, 3475-3 and 4625-3. The water rights are currently listed in the name of Duane A. Olson and Violet A. Olson.

The transfer forms should be checked over for accuracy and signed by the new owner in the presence of a notary public. Upon completion, return the forms to our office with a required filing fee of \$2.50 per transfer, a total of \$7.50.

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

If you have any questions, please contact me.

Sincerely,

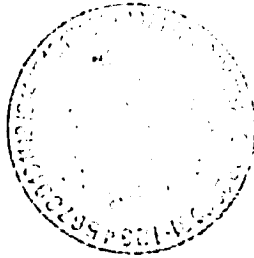
Cheryl F. Frost
Secretary
Water Rights Division
(605) 773-3352

enclosure

2158-3

NOTICE OF TRANSFER OF OWNERSHIP

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



No. 2158-3

Date: DECEMBER 19, 1992

I\We request that Water Right No. 2158-3

formerly owned by: Duane A Olson, RR #1 Box 81, Meckling, SD 57044

be transferred to: (name & address) D A Olson and Sons, RR #1 Box 81, Meckling, SD 57044

(Telephone No)

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

E. 1/2NW 1/4 and NE 1/4 Section 16, T92N, R52W

I\We understand that the validity of Water Right No. 2158-3 has not been determined by this transfer action. If I\We have any questions on validity, I\We understand that only the Water Management Board has the authority to determine if a water permit/right is valid (see note).

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

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

STATE OF SOUTH DAKOTA)

County of CLAY)

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

Dale Olson
For D.A. Olson & Sons partnership
(Signed)

Subscribed and sworn to before me this 14th day of DECEMBER, 19 92.

[Signature]
(Notary Public)

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

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

RECEIPT

Division of Water Rights

South Dakota Department of Environment and Natural Resources

413551

Pierre, December 21, 1992

RECEIVED OF D.A. Olson & Sons, RR 1 Box 81, Meckling, SD 57044

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

Fee for Application for Permit No. _____ to Appropriate Water, to construct and to put water to beneficial use _____		
Fee for Application for Permit No. _____ to Appropriate Water, for Future Use _____		
Fee to retain Future Use Permit No. _____ after period of seven years.		
Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water License No. _____		
Fee for Filing Transfer Form _____ Water Right No. 2158-5	2	50
Fee for Filing Extension Request _____		
Fee for _____		

(Any Other Work Provided by Law)	Total	2 50

By John H. Hark
Chief Engineer



2158-3

DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

No. (2158-3)
3475-3
4625-3

D. A. Olson and Sons
RR 1, Box 81
Meckling, SD 57044

Dear Sirs:

Enclosed are receipts in the amount of \$2.50 each which you paid for the transfer of Water Right Nos. 2158-3, 3475-3 and 4625-3.

Our records now show D. A. Olson and Sons as the owner of Water Right Nos. 2158-3, 3475-3 and 4625-3.

Sincerely,

Cheryl F. Frost

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

enclosure