

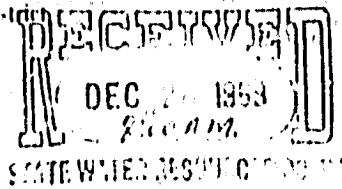
1. Considered 1-7, 1970 1708.3
2. Name of Applicant ORLYN NILSON
3. Post Office Address TULARE
4. Amount of water claimed 2.20
5. Source of water supply GROUND WATER
6. Water to be used for IRRIGATION
- Acres to be irrigated 160
7. Water to be diverted and used in SPINK county
about 3W 1 1/2 S miles of TULARE
8. Proof of Publication Received 1ST
Not Received _____
9. Application Approved _____
Subject to _____
Not Approved _____
Action deferred _____

10. Remarks:

No. 1708-3Map No. 1235-3 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)

1. Name of Applicant Orlyn A. Nielson
 Post-office address Tulare, 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) Contract and Direct Labor
3. Name of diversion work Nielson Irrigation Project No 2
4. Amount of water claimed (cubic feet per second) ~~April thru October~~ 2.2
5. Source of water supply irrigation well
6. Location of point of diversion 135 rods East and 80 rods North of SW corner Sec 5-14-64
 _____ County Spink
7. Annual period or periods during which water is to be used April thru October
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.
S. W. 1/4, 5-14-64 W	160		

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 _____ years.
11. Choice of newspaper for Notice of Intent to appropriate Water publication Redfield Press
12. Principal Features of the Proposed Water Supply System.

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

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

C. Works proposed to apply water to beneficial use.

Estimated Total Cost \$ _____

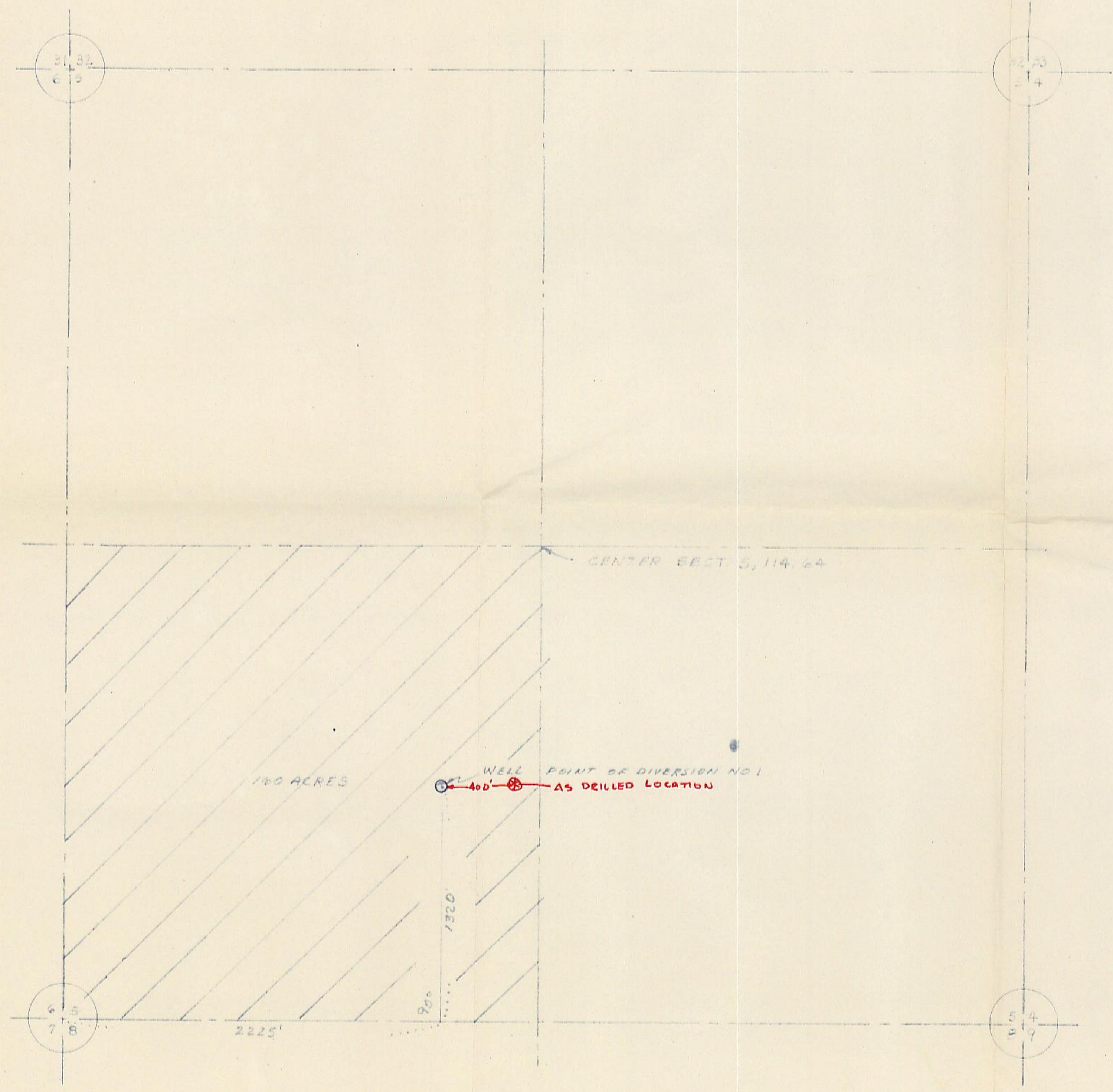
Attachments: Attach Form 2A if diversion from a well or dugout, or if storage of water, is proposed. Attach map.
 (See instructions concerning preparation.)

STATE OF SOUTH DAKOTA

County of Spink

I, ORLYN A. NIELSON, 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 Orlyn A. NielsonSubscribed and sworn to before me this 1 day of December, 19 69Notary Public (or other qualified officer) Neop. A. Dulany

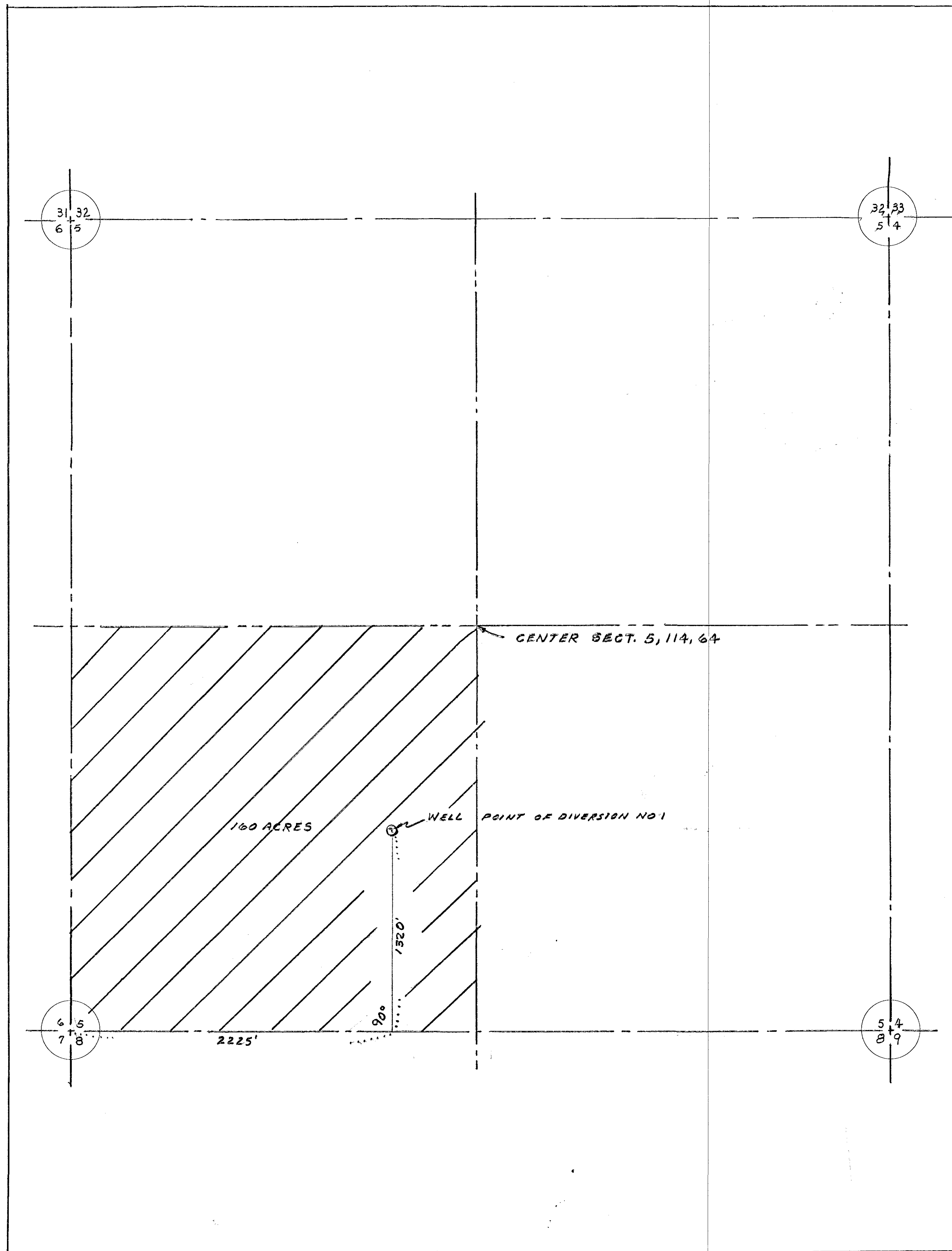


AREA BY LEGAL SUBDIVISION
160 ACRES: SW 1/4, SECT. 5, T114N., R64W 5TH PM

SURVEYOR'S CERTIFICATE
STATE OF SOUTH DAKOTA)
COUNTY OF BEADLE)
I, HARLAN W. MEYER, A REGISTERED LAND SURVEYOR
IN AND FOR THE STATE OF SOUTH DAKOTA, DO HEREBY
CERTIFY THAT AT THE REQUEST OF ORLYN A. NIELSEN
SOLE OWNER, I HAVE SHOWN THE LAND PROPOSED TO BE IRRIGATED
WITHIN HIS OWNERSHIP BOUNDARIES ON OCT 30, 1969 FOR WHICH
APPLICATION FOR APPROPRIATIVE WATER RIGHT IS MADE AND
THIS MAP IS A TRUE REPRESENTATION OF THE SAME
WITNESS MY HAND AND SEAL THIS 30TH DAY OF OCTOBER 1969
Harlan W. Meyer
REGISTERED LAND SURVEYOR #495
STATE OF SOUTH DAKOTA)
COUNTY OF BEADLE)
SUBSCRIBED AND SWORN TO BEFORE ME THIS 30TH DAY
OF OCTOBER 1969

NOTARY PUBLIC
MY COMMISSION EXPIRES _____

ORLYN A. NIELSEN IRRIGATION PROJECT #1
SHOWS AREA TO BE IRRIGATED & WELL LOCATION WHERE
WATER WILL BE DIVERTED FOR PERMIT TO APPROPRIATE
WATER
OWNER
SURVEYOR
ORLYN A. NIELSEN
HARLAN W. MEYER
OCT 1969



AREA BY LEGAL SUBDIVISION
160 ACRES: SW 1/4, SECT. 5, T114N., R64W 5TH PM.

SURVEYOR'S CERTIFICATE

STATE OF SOUTH DAKOTA) SS
COUNTY OF BEADLE)
I, HARLAN W. MEYER, A REGISTERED LAND SURVEYOR
IN AND FOR THE STATE OF SOUTH DAKOTA, DO HEREBY
CERTIFY THAT AT THE REQUEST OF ORLYN A. NIELSEN
SOLE OWNER, I HAVE SHOWN THE LAND PROPOSED TO BE IRRIGATED
WITHIN HIS OWNERSHIP BOUNDARIES ON OCT 30, 1969 FOR WHICH
APPLICATION FOR APPROPRIATIVE WATER RIGHT IS MADE AND
THIS MAP IS A TRUE REPRESENTATION OF THE SAME
WITNESS MY HAND AND SEAL THIS 30TH DAY OF OCTOBER 1969

STATE OF SOUTH DAKOTA) SS
COUNTY OF BEADLE)
SUBSCRIBED AND SWORN TO BEFORE ME THIS 30TH DAY
OF OCTOBER 1969
MY COMMISSION EXPIRES July 16, 1977

Harlan W. Meyer
REGISTERED LAND SURVEYOR #495
Lena Rand
NOTARY PUBLIC

ORLYN A. NIELSEN IRRIGATION PROJECT #1
SHOWS AREA TO BE IRRIGATED & WELL LOCATION WHERE
WATER WILL BE DIVERTED FOR PERMIT TO APPROPRIATE
WATER

OWNER
SURVEYOR

ORLYN A. NIELSEN
HARLAN W. MEYER
OCT 1969

MAP NO 1235-3

(APPL NO 1708-3)

WATER RIGHT APPLICATION APPROVAL

The Water Resources Commission hereby approves Water Right Application No. 1708-3

ORLYN A. NIELSEN
(Applicant)

TULARE

(Post Office Address)

SOUTH DAKOTA
(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.

Date of first receipt of application DECEMBER 2 19 69

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

Date of receipt of corrected application — 19 —

Approved JANUARY 7 19 70 Recorded in Book 11 Page 79

WATER RIGHT PERMIT NO. 1708-3

The Water Resources Commission hereby grants and issues this Water Right Permit No. 1708-3 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 19 69

2. The equivalent of at least one-fifth of the work above specified is to be completed on or before JULY 7 19 72

3. The whole of said work is to be completed on or before JANUARY 7 19 75

4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is JANUARY 7 19 76

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 2.2 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 7 19 76; said water to be used during the following described annual period APRIL THRU OCTOBER

Witness my hand this 13TH day of FEBRUARY 19 70

WATER RESOURCES COMMISSION

By

[Signature]
Chief Engineer, Executive Officer

Certificate of Construction Issued MAY 7 19 71

Water License Issued MAY 7 19 71

9. (Continued)

III. Well Specifications

(a) Hole and casing

Size of drill hole or excavation 30", Depth 120Type of casing Steel
(wood, concrete, steel, etc.)Size of casing 16", Thickness of casing 3/16"Length of casing 105. If collection gallery, length, size and depth of gallery _____

(b) Screens

Type of perforated screen Johnson Slotted ScreenSize of perforated screen 16" 20'
(diameter) (length)Thickness of gravel pack 8", length of gravel pack 80'

(c) Water Bearing Materials

Distance to water 22 ft. Character of water bearing materials _____
Medium Sand-throughout the water bearing layer.Thickness of water bearing material 60 ft.

(d) Pump and Motor

Type of pump Turbine
(centrifugal, propeller, mixed flow, etc.)Name of pump _____, size 8"Kind of motor Electric
(gasoline, electric, diesel, etc.)Horsepower 75, Name of Motor _____

(e) Complete well

Capacity 1,000 at drawdown of 20. Estimated cost \$2,500.00(f) Owner of land upon which well is located Orlyn A. Nielson
NameTulare South Dakota
Address

(g) Distance to nearest existing wells

On same owner's property _____ rods On property owned by others 300 rods

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 1708-3

(1) WHEREAS, On the 2nd day of December A. D. 19 69
Orlyn Nielson

made Water Right Application No. 1708-3 for a permit to use 2.2 cubic feet per second of the water of ground water

County of Spink, State of South Dakota, for irrigation purposes; and

(2) WHEREAS, On the 13th day of February A. D. 19 70
Permit No. 1708-3, with a date of priority of December 2, 1969

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 7th day of January A. D. 19 72 and for the application to beneficial use of said water on or before the 7th day of January A. D. 19 75

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 2.2 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:

for irrigating the SW 1/4, Section 5, T114N, R64W

(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 Orlyn Nelson

_____ of Tulare, South Dakota

the holder _____ and owner _____ of said permit No. 1708-3 a water right, dating from December 2, 1969

_____ to use of 2.2 cubic feet per second of the waters

of ground water

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

purposes hereinbelow mentioned, to be diverted at a point 2625 feet East and 1320 feet North of the SW

Corner, Section 5, T114N, R64W

and conduct to and upon the SW $\frac{1}{4}$, Section 5, T114N, R64W

for the purpose of irrigation

Subject to any limitations listed in Water Right Permit No. 1708-3 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 May A. D.
Nineteen Hundred and Seventy-one

WATER RESOURCES COMMISSION

By:

Chief Engineer, Executive Officer, J.W. GRIMES

Permit No. 1708-3

Water Diversion No. 3 JAMES RIVER Water District

CERTIFICATE OF CONSTRUCTION

This is to Certify, That Orlyn Nielson

_____ the holder _____ of
Permit No. 1708-3, issued upon Application No. 1708-3, bearing date of priority of December 2, 1969
_____ authorizing the diversion of 2.2 cu. ft. per second of the waters of _____
ground water County of Spink, State of South Dakota at _____
a point 2625 feet East and 1320 feet North of the SW Corner, Section 5,
T114N, R64W

_____, for irrigation

purposes, has 5 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 2.77 cu. ft. per second of water.

Date May 7, 1971

WATER RESOURCES COMMISSION

By:

J.W. GRIMES, Executive Officer

Publish first publication, on or before December 10, 1969

NOTICE
INTENT TO APPROPRIATE WATER

Pierre, South Dakota 57501

December 3, 1969

Notice is hereby given that Orlyn A. Nielson

whose post office address is Tulare, 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

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

Nielson Irrigation Project #2, the point of diversion of which is to be located in the

SE 1/4 SW 1/4

of Section 5, Twp. 114N, Range 64W. Said water to be used for the purpose

of providing irrigation on the following described land:

SW 1/4, Section 5, 114N, R64W

This application No. 1708-3 will be considered by the Water Resources Commission at their office at

Pierre upon the 7th day of January, 1970, at 2:00 P. M. All interested

persons may appear and be heard.

WATER RESOURCES COMMISSION

cc:Orlyn Nielson, Tulare, S.D.

By:

BURTON F. JONES, Water Rights Specialist

Affidavit of Publication

STATE OF SOUTH DAKOTA
County of Spink

SS

I, Shirley D. Jones, of said County and State, being first duly sworn on oath, say that the REDFIELD PRESS is a legal weekly newspaper as defined in Sec. 65.0308 South Dakota Code 1939, as Amended by Chapter 298 of the Session of Laws of 1939, printed and published in the English language in the City of Redfield, in said County and State, by the SPINK COUNTY PRINTING CO., INC., and has been such newspaper during the time hereinafter

mentioned, and that I, Shirley D. Jones, the undersigned am Editor of said newspaper in charge of the advertising department thereof, and have personal knowledge of all the facts

stated in this affidavit, and that the legal or official notice entitled:

Notice Intent to Appropriate Water

a printed copy of which is hereto attached, was printed and published in said newspaper in 1 successive issues, to-wit:

The first publication being made on Dec. 11 1969
2nd Dec 18 1969 5th 19
3rd Dec 25 1969 6th 19
4th Jan 1 1970 7th 19

that the full amount of the fee charged for publishing the same to-wit: the sum of \$ 14.63, inures to the benefit of

the publisher of the REDFIELD PRESS, 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 person whomsoever.

Subscribed and sworn to before me this 11 day of January 1970

Shirley D. Jones
Notary Public, Spink County, South Dakota

(SEAL)

No. 13
NOTICE INTENT TO APPROPRIATE WATER
No. 17083
Pierre, South Dakota 57501
December 3, 1969
Notice is hereby given that Orlin A. Nielson whose post office address is Tulare, 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 220 cubic feet of water per second of time from ground water through the Nielson irrigation Project No. 3, the point of diversion of which is to be located in the SE 1/4 SW 1/4 of section 5, Twp. 114N, Range 61W. Said water to be used for the purpose of providing irrigation on the following described land: SW 1/4 Section 5, T114N, R61W. This application No. 17083 will be considered by the Water Resources Commission at their office at Pierre upon the 7th day of January, 1970 at 2:00 P. M. All interested persons may appear and be heard.
WATER RESOURCES COMMISSION
By: Burton F. Jones, Water Rights Specialist
cc: Orlin Nielson, Tulare, S. D.
(Dec. 11, 18, 25; Jan. 1)

Form 10.

No. 1708-3

NOTICE OF COMPLETION OF WORKS AND/OR APPLICATION OF WATER TO BENEFICIAL USE

Post Office

Date

TO: Water Resources Commission
State Office Building No. 2
Pierre, South Dakota 57501

Dear Sirs:

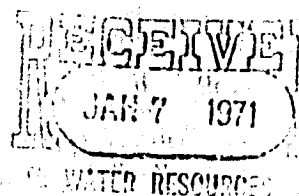
This is to inform you that I have completed the construction of the water diversion system and/or that I have put the water to beneficial use to the maximum extent it is going to be used, not exceeding the amounts as specified in Water Right Permit No. 1708-3

Water Right Permit No. 1708-3 states that the diversion system is to be constructed by July 7 1972 and that the water is to be put to beneficial use by Jan 6 1971

The diversion system was completed on July 6 1970. Applying the water to beneficial use was completed on July 7 1970.

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.

John Hickson
(Signature)



Permit No. 1708-3
 Water Division 3 JAMES RIVER Water District

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

TO: Water Resources Commission, State Office Building No. 2, Pierre, South Dakota 57501

I have this day made a thorough examination of the water use system constructed by ORLYN
NIELSON of TULARE holder
 of Permit No. 1708-3 hearing date of priority of DECEMBER 2, 1969
 authorizing the diversion of 2.2 cu. ft. per second of the waters of GROUND WATER
 for IRRIGATION purposes, in SPINK 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:

130' DEEP WELL W/ 16" CONCRETE CASING
WESTERN LAND ROLLER 7100H 10" PUMP
POWERED BY 75 H.P. U.S. ELECTRIC MOTOR

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

1280' OF 8' MAINLINE

C. Works used to apply water to beneficial use.

5 - 1200' 4" TOWLINES
RAINBIRD #30 SPRINKLER HEADS W/ 1/64 ORIFICE

The system is in the following condition: NEW

The point of diversion is located 2625' E & 1320' N OF THE
SW CORNER, SECTION 5, T114N, R64W

The works are capable of diverting and conveying to the place of use 2.77
 cu. ft. per second of water which is to be used for IRRIGATION

Water has been put to beneficial use to the maximum extent as follows:
SW 4, SECTION 5, T114N, R64W

comprising a total of 160 acres of land.

WELL DRILLED 400' E OF LOCATION SHOWN ON
 APPLICATION MAP NR. 1235-3

DATE APRIL 23, 1971
Dustin Jones
 (Signature)
 WATER RIGHT SPECIALIST
 WATER RESOURCES COMMISSION



Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501

Division of Water Rights
605 773-3352

2659-3

No. 108-3

1708-3

December 13, 1983

Larry Nielson
RR#1, Box 26
Tulare, South Dakota 57476

Dear Mr. Nielson:

Please find enclosed a copy of a Notice of Transfer of Water Permit form. This form must be signed by the owner before a notary and returned to this office with a filing fee of \$2.50 **for each, total of \$7.50.**

Upon receipt of the enclosed forms and the \$2.50 filing fee **for each** the permit will be transferred to the proper name. 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.

Please advise if you have any questions.

Sincerely,

Maxine Stirling
Staff Assistant

ms/
Enc.



Department of Water & Natural Resources

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

Water Rights Division
605 773-3352

March 14, 1984

SECOND NOTICE
Permit Nos. 108-3
1708-3
2659-3

Larry Nielson
RR 1 Box 26
Tulare SD 57476

Dear Mr. Neilson

On December 13, 1983 notice was sent to you concerning the transfer of Water Permit Nos. 108-3, 1708-3 and 2659-3 in the name of Orlyn Nielson. To date, we have not heard from you on this matter.

Transfer forms were previously sent to you, enclosed please find additional forms. Please sign, have notarized and return the form to this office with the required filing fee of \$8.50 each (\$7.50 total). The permits can then be transferred to your name. If you are not the present owner of the land covered under these Permits, please notify this office. It is very important that ownership records be kept current. The first notice was sent to you made reference to South Dakota Water Law 46-5-30.3 which 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 us.

Very truly yours,

JOHN HATCH, Chief Engineer
Water Rights Division

ks

enclosures

Equal Opportunity Employer



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

Water Rights Division
605 773-3352

April 9, 1984

108-3
1708-3
2659-3

Larry Nielson
RR #1, Box 26
Tulare SD 57476

Dear Mr. Nielson:

Enclosed is receipt Nos. 4 9633 thru 4 9635 in the amount of \$2.50 each which you paid for transfer of Water Right Nos. 108-3, 1708-3 and 2659-3.

Our records now show you as the owner of these Water Rights.

Sincerely,

KAREN SCHLAACK
Administrative Aide

enclosure

Equal Opportunity Employer

RECEIPT

Division of Water Rights

South Dakota Department of Water and Natural Resources

No 4 9634

Pierre, April 6, 1934

RECEIVED OF Larry Nielson, RR#1, Box 26, Tuiare, SD 57476

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. _____		
Fee for Filing Transfer Form _____ 1708-3	2	50
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	2 50

By _____
Chief Engineer J. H. HATCH/ms

NOTICE OF TRANSFER OF WATER PERMIT

TO: Water Rights
Foss Building
Pierre, SD 57501

Date: 1/17/84

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

160 acres - SW $\frac{1}{4}$ Section 5, T114N, R64W

formerly owned by Orlyn Nielson

has been transferred to Larry Nielson, RR#1, Box 26, Tulare, SD 57476

(please include complete mailing address)

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

Water Right Permit No. 1708-3 as provided for in SDCL 46-5-32 and 46-5-33.

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

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

STATE OF SOUTH DAKOTA)
County of Spink) ss.

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

Larry Nielson
(Signed)

Subscribed and sworn to before me this 17th Day of January, 19 84

W. A. deBor
(Notary Public)



 **Department of
Water & Natural Resources**

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

4/108-3
#1708-3
#2654-3
#4935-3

February 17, 1989

Larry Nielson
RR 1, Box 26
Tulare, SD 57476

Dear Mr. Nielson:

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;

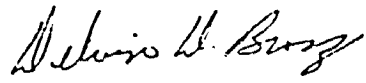


Each of these equipment requirements are discussed more thoroughly in Sections 74:02:09:05 through 74:02:09:10 of the enclosed rules. Appendix A contains diagrams of the arrangements of these anti-pollution devices.

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**

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

July 14, 2010

Larry Nielson
18476 385th Ave
Tulare SD 57476

I am writing in regard to a well driller's report filed by Pullman Drilling Inc. The report shows a new well was recently completed for you.

A review of our files indicate you hold Water Right No. 1708-3 for 2.2 cubic feet of per second of water (approximately 1000 gallons per minute) from one well located in the SW ¼ Section 5 to irrigate the SW ¼ Section 5; all in T114N-R64W.

Mr. Nielson, am I correct in assuming this well is a replacement well for the existing well or is this an additional well which does not increase the total appropriation of water? If the authorized diversion rate is to be increased, a new water permit will need to be obtained. Once we know this information we can determine what additional action, if any, needs to be taken to ensure your water right accurately reflects your system.

Please let me know the status of the new well. If you have any questions, contact Eric Gronlund or me. We will be happy to assist you in any way possible.

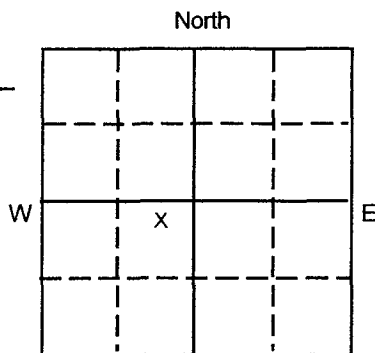
Sincerely,

Karen Schlaak

Karen Schlaak
Water Rights Program
605 773-3352
karen.schlaak@state.sd.us

SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec 5 Twp 114 Rg 64County
SpinkPlease mark well
location with an "X"

Well Completion Date

3/17/2009

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

? _____ ft. from _____ (identify source)

PROPOSED USE:

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

METHOD OF DRILLING:

Reverse

CASING DATA:

☐ Steel
 ☒ Plastic
 ☐ Other

If other describe _____

PIPEWEIGHT LB/FT	DIAMETER IN	FROM FT	TO FT	HOLE DIAMETER IN
	16.00	0.0	110.0	24.00

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight Lb/gal	From Ft	To Ft
VolClay	45		0.0	80.0

Describe grouting procedure
Line

SCREEN:

☐ Perforated pipe
 ☒ Manufactured
 Diameter 16.00 Inches Length 20.0 FeetMaterial PVCSlot Size .057 Set From 110.0 Feet to 130.0 Feet

Other information _____

WAS A PACKER OR SEAL USED?

☒ Yes
 ☐ No
 If so, what material? PeaRock

Describe packer(s) and location

From 80-130

DISINFECTION: Was well disinfected upon completion?

☐ Yes, How? _____

☐ No, Why Not? _____
 Lab sample sent to for
water quality analysisWell Owner: Larry Nielson

Business Name: _____

Address: 18476 385th AveCity, State, Zip: Tulare SD 57476

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
Yellow Sand	0	7
Yellow Clay	7	16
Blue Clay w/ Rocks	16	28
Gravel	28	31
Blue Clay	31	33
Fine Sand w/ Clay Breaks	33	38
Blue Clay w/ Gravel Strk	38	43
Gravel	43	47
Blue Clay w/ Rocks	47	53

STATIC WATER LEVEL 28.0 FEET

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ Inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced flow rate _____ GPM

Can well be completely shut in?

WELL TEST DATA:

☒ Pumped Describe: 900 GPM
☐ Bailed
☐ Other

Pumping Level Below Land Surface

_____ Ft. After _____ Hrs. pumped _____ GPM

_____ Ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate: _____ GPM

REMARKS

Blue Clay 53-63 Blue Clay w/ Rocks 63-97 Med to Coarse
 Sand 97-103 Coarse Sand w/ Coal 103-123 Coarse Sand w/
 Gravel Streak 123-130 Blue Clay 130

This well was drilled under license # 440

And this report is true and accurate.

Drilling firm: Pullman Drilling Inc.

Signature of License Representative:

Signature of Well Owner or Equitable Property Holder:

Date: _____

RECEIVED
 JUL - 8 2010
 WATER RIGHTS
 PROGRAM

Water Rights Program - File Documentation

NAME: Larry Nielson

ADDRESS: Tulare SD

DATE: 7-19-2010 **COUNTY:** Spink **TELEPHONE:**

RE: well completion report

COMMENTS:

Larry Nielson called regarding my letter dated July 14, 2010. Mr. Nielson indicated the new well was a replacement well for the well authorized by Water Right No. 1708-3 located in area, the same depth and utilizing the existing irrigation system.



Karen Schlaak
Environmental Scientist