

Considered: _____

WATER PERMIT NO. 5541-3

Phone: 624-4535

Name of Applicant: Nels Sorensen

Post Office Address: RR 3, Box 23, Vermillion SD 57069

Amount of Water Claimed: 0.55 add'l Total Acres: 251 (37 add'l)

Source of Water Supply: groundwater

Water to be used for: irrigation County: Clay

About 1 miles SW of Vermillion

PROOF OF PUBLICATION: Received _____ Not Received _____

APPLICATION: Approved _____ Subject to _____

F.F.& C/.L. Adopted _____ Not Approved _____ Deferred _____

PRIORITY Date Received: 3-14-91 Fee: \$150.00 Remarks Add'l acreage

on Water Permit No. 5199-3

Corrected Application Received _____ Period of Annual Use April 1 - Oct 31

WATER QUALITY APPROVAL RECEIVED 4/23/91 APPROVED/CONDITIONAL (Circle one)

WI-1 Description same as Application YES _____ NO _____ REMARKS _____

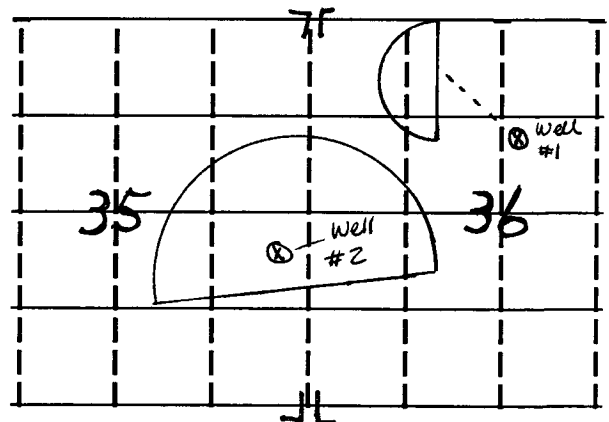
Diversion Point: Well #1 SW 1/4 NE 1/4 36-92-52

Well #2 NE 1/4 SW 1/4 35-92-52

Land to be Irrigated: W 1/2 NE 1/4, NW 1/4 SW 1/4,

S 1/2 NW 1/4, NE 1/4 NW 1/4 Sec 36; S 1/2 NE 1/4,

N 1/2 SE 1/4 Sec 35; 92-52



Well Log: Driller: Wetmore Drilling Licensed YES X NO _____

Depth of Well: 123' & 118' REMARKS _____

Type of Map: aerial PREPARED BY: David Brown Reviewed and the Number

Assigned on 4-19-91 By Karen Schlaak

(See instructions)

No. 5541-3 Hydrologic Unit 10170101
Basin Missouri River
Newspaper Vermillion Plain Talk, Box 256

Application For Soil/Water Compatibility Permit and Permit To Appropriate Water

- Type of Application: ☒ New ☐ Vested Right ☐ Amend Permit No. _____
☐ Change Acreage ☐ Change diversion point(s) ☐ Add diversion point(s)
☐ Add Acreage ☐ Increase diversion rate ☐ Other _____

1. Name of Applicant Nels Sorensen Phone No. 624-4535

Post Office Address RR 3, Box 23, Vermillion State SD 57069
(Street, RR or Box) (City) Zip Code

2. Amount of water claimed (c.f.s) 0.55 Total acres irrigated 251 (214 under 5199-3, 37 addl.)
existing well (see Water Permit No. 5199-3)

3. Source of Water supply Well #1

4. Location of point of diversion at a point 750 feet north and 110 feet east of the center
of Section 36, T92N R52W (SW $\frac{1}{4}$ NE $\frac{1}{4}$)
Well #2 NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec 35-T92N-R52W County Clay

5. Counties where water will be used Clay

6. Annual period during which water is to be used April 1 - October 31

7. 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.
See attachment sheet	

Land Description	No. Acres Irr.

Attach sheet if more space is needed

8. Type of Irrigation: Gravity: _____ Towline: _____ Center Pivot: X Gun: _____ Other: _____ (Specify) _____

9. Crops to be Irrigated: _____

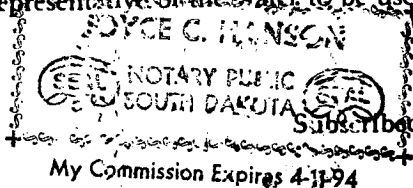
10. Give a description of proposed project. (Attach sheet if more space is needed)

A field inspection conducted by the Division of Water Rights of Water Permit No. 5199-3 found that 251 acres of land are being irrigated while only 214 acres of land are permitted under Water Permit No. 5199-3. This permit application is to include the additional 37 acres of land under a Water Permit.

Attachments: Attach Form 2A if diversion from a well or dugout, or if storage of water, is proposed. Attach maps, soils information and any other technical information.

STATE OF SOUTH DAKOTA)
County of CLAY) ss

I, Nels Sorensen, the applicant, certify that I have read this application and examined the attached maps, that the water sample, if needed, has been taken by the required procedures and has not been adulterated or tampered with and is truly representative of the water to be used, and that the matters stated in this application are true and correct.



Signed Nels Sorensen

Subscribed and sworn to before me this 14 day of JAN 1991

Joyce C. Hanson
Notary Public

**SOUTH DAKOTA
WATER PERMIT No. 5541-3 FOR IRRIGATION**

Date of first receipt of application March 14, 1991.

Date Soil/Water Compatibility Permit received April 22, 1991.

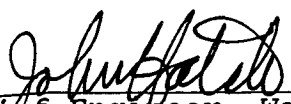
The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 5541-3 to Nels Sorensen, RR 3, Box 23, Vermillion SD 57069 authorizing the construction of the water use system and the placing of water to beneficial use subject to the following limitations, conditions and qualifications:

1. Water Permit No. 5541-3 appropriates 0.55 cubic feet of water per second and to irrigate 37 additional acres. Water Permit No. 5199-3 appropriates 3.05 cfs from two wells (Missouri Elk Point Aquifer) 118 feet and 123 feet deep located in the SW 1/4 NE 1/4 Section 36; and the NE 1/4 SW 1/4 Section 35 to irrigate 214 acres located in the W 1/2 NE 1/4, NW 1/4 SW 1/4, S 1/2 NW 1/4, NE 1/4 NW 1/4 Section 36; S 1/2 NE 1/4, N 1/2 SE 1/4 Section 35; all in T92N-R52W. This permit appropriates an additional 0.55 cfs to irrigate an additional 37 acres in the NW 1/4 NW 1/4, NE 1/4 SW 1/4 Section 36-T92N-R52W and also within areas described under No. 5199-3 (listed above) from the two existing wells.
2. The amount of the appropriation may not exceed 2 acre feet annually for each acre of land to which water is actually and beneficially applied for irrigation. The water is to be used during the following described annual period: April 1 - October 31.
3. The date from which applicant may claim right is March 14, 1991.
4. The date of approval of Permit No. 5541-3 is July 24, 1991.
5. Water rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

QUALIFICATIONS

1. The wells approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
2. This permit is approved subject to the irrigation water use questionnaire being submitted each year.
3. The combined diversions under Permit No. 5199-3 and this permit may not exceed 3.57 cfs for irrigation of 251 acres.

WATER MANAGEMENT BOARD

By: 
Chief Engineer, Water Rights Division
Department of Environment and Natural Resources

SEP 27 1991
date

Nels Sorensen
RR 3, Box 23
Vermillion, SD 57069

Attachment sheet

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

All in T92N R52W

Land Description.	No. Acres Irr.
SE1/4 NE1/4 Sect. 35	28
SW1/4 NE1/4 Sect. 35	7
NW1/4 SE1/4 Sect. 35	27
NE1/4 SE1/4 Sect. 35	33
NW1/4 NW1/4 Sect. 36	12
NE1/4 NW1/4 Sect. 36	20
SE1/4 NW1/4 Sect. 36	30
SW1/4 NW1/4 Sect. 36	23
NW1/4 NE1/4 Sect. 36	11
SW1/4 NE1/4 Sect. 36	26
NW1/4 SW1/4 Sect. 36	27
NE1/4 SW1/4 Sect. 36	7



Supplemental Information

(type or print in ink)



1. Well Information - Proposed construction

- a) Drill Hole Diameter _____ Depth _____
- b) Casing Type PVC (88 Feet) Diameter 16 inch Thickness _____
- c) Screen Type PVC 100 slot (40 Feet) Diameter 16 inch Thickness _____
- d) Gravel Pack Thickness unknown Length of Gravel Pack unknown
- e) Depth to Top of Water Bearing Material 2 Feet
- f) Depth to Water (ground surface to water level) 21
- g) Distance to nearest existing domestic well:
- On applicants property _____ On property owned by others _____

2. Dugout Information Estimates

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

3. Water Storage Dams

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

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

b) Freeboard _____

c) Crest Width _____

Crest Length _____

d) Height _____

e) Primary Outlet Capacity _____
 If Pipe, diameter _____

f) Secondary Spillway Capacity _____
 Spillway width _____

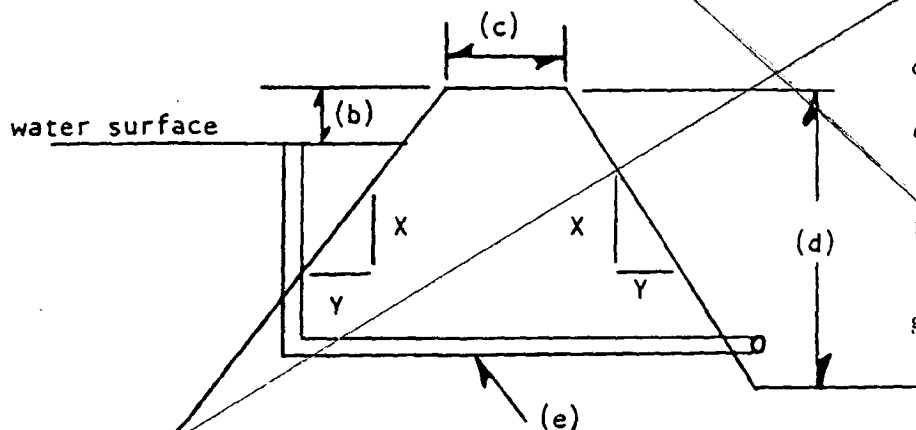
g) X & Y Slope
 Upstream _____

Downstream _____

Surface Area of Impoundment _____

Storage _____ acre feet

Drainage area above dam _____



Signature of Applicant

Supplemental Information

(type or print in ink)



1. Well Information - Proposed construction

- a) Drill Hole Diameter 20 inches Depth 118 Feet
- b) Casing Type PVC (76 Feet) Diameter 16 inch Thickness _____
- c) Screen Type PVC 100 slot (40 Feet) Diameter 16 inch Thickness _____
- d) Gravel Pack Thickness unknown Length of Gravel Pack unknown
- e) Depth to Top of Water Bearing Material 16 Feet
- f) Depth to Water (ground surface to water level) 18 Feet
- g) Distance to nearest existing domestic well:
- On applicants property _____ On property owned by others _____

2. Dugout Information Estimates

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

3. Water Storage Dams

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

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

b) Freeboard _____

c) Crest Width _____

Crest Length _____

d) Height _____

e) Primary Outlet Capacity _____
If Pipe, diameter _____

f) Secondary Spillway Capacity _____
Spillway width _____

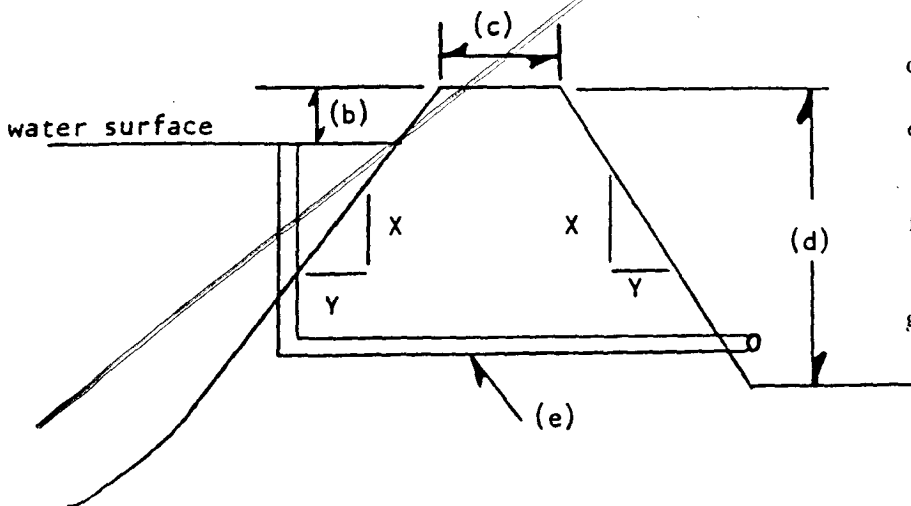
g) X & Y Slope
Upstream _____

Downstream _____

Surface Area of Impoundment _____

Storage _____ acre feet

Drainage area above dam _____



Signature of Applicant M. J. Stevens

SOUTH DAKOTA WATER WELL COMPLETION REPORT

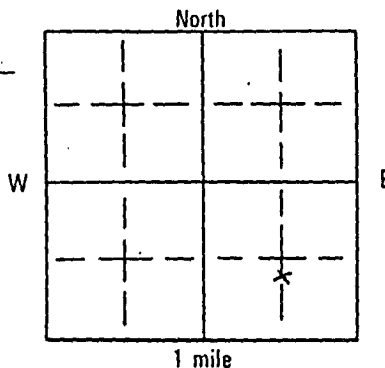
10-85

Location 1/4 SE 1/4 Sec 35 Twp 91-92 N Rg 51-52 WN 11° 30' W of SE corner L2343

County

CLAY

Please mark well location with an "X"

Well Completion Date 6-10-87

PROPOSED USE:

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

Method of Drilling:

ROTARY

CASING DATA:

- ☐ Steel ☒ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
_____ LB/FT	<u>16</u> IN	<u>0</u> FT	<u>116</u> FT	<u>20</u> IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUT:

Was the well grouted? ☒ YES ☐ NOTo what depth? 20' FEETWhat is grouting material? CEMENTIf cement, number of sacks? 12Describe grouting procedure tremie pipepump & mixWhat was grout weight? 15.5 LB/GALSCREEN: ☐ Perforated pipe ☒ ManufacturedDiameter 16 IN Length 40 FEETMaterial PVCSlot Size 100 Set From 76 Feet To 116 Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Other information _____

Was a packer or seal used? ☐ YES ☒ NO

If so, what material? _____

Describe packer(s) and location? _____

Was well disinfected upon completion? ☒ YES ☐ NOExplain chlorine solution 200 ppmBacteriological analysis ☐ YES ☒ NO

Laboratory sent to _____

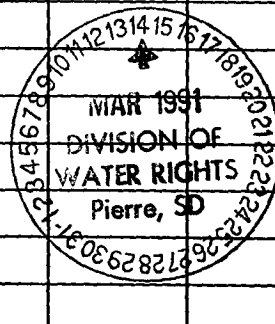
Well Owner:

Name NELS J. SORENSEN & FANNETTAddress RT 3 BOX 23 VERMILION, S.D. 57067

Well Log:

Depth

Formation	From	To
Top soil	0	1.5
clay & sand mix	1.5	16
fine sand	16	68
coarse sand & gravel mix	68	116
shale	116	118

STATIC WATER LEVEL 18 Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

If other, specify _____

Can well be completely shut in? _____

WELL TEST DATA:

☒ Pumped☐ Bailed☐ OtherDescribe: Line shaft turbinepumps used

Pumping Level Below Land Surface

39 ft. After 4 Hrs. pumped 1250 GPM

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

REMARKS:

This well was drilled under license # 341

And this report is true and accurate.

Drilling firm Wetmore Drilling

Signature of License Representative:

James Wetmore

Signature of Well Owner:

Date _____

RECEIPT

Division of Water Rights

South Dakota Department of Water and Natural Resources

412590

Pierre, March 14, 19 91

RECEIVED OF Nels J. Sorensen, RR 3 Box 23, Vermillion, SD 57069

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

Fee for Application for Permit No. <u>5541-3</u> to Appropriate Water, to construct works and to put water to beneficial use _____	150	00
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 _____		
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	150 00

By

Chief Engineer

John H. H. H.

5541-3

Department of Agriculture
WI#1
5/87

SOIL/WATER COMPATIBILITY PERMIT
Division of Conservation



Office Use Only

4586

WR#

OWNERS NAME: SORENSEN, NELS OWNERS ADDRESS: RR 3, BOX 23

VERMILLION, SD 57069

COUNTY LAND LOCATED IN: CLAY PHONE: 624-4535

LEGAL DESCRIPTION: ☒ Well ☐ Surface
1. LOCATION At a point 750' North & 110' East of the Center of 36-T92N-R52W(NB1/4)
Depth _____

Legal Description	Acres	Legal Description	Acres
SE1/4 NE1/4 35-T92N-R52W	28	SW1/4 NE1/4 35-T92N-R52W	7
NW1/4 SE1/4 35-T92N-R52W	27	NB1/4 SE1/4 35-T92N-R52W	33
NW1/4 NW1/4 36-T92N-R52W	12	NE1/4 NW1/4 36-T92N-R52W	20
SE1/4 NW1/4 36-T92N-R52W	30	SW1/4 NW1/4 36-T92N-R52W	23
NW1/4 NE1/4 36-T92N-R52W	11	SW1/4 NE1/4 36-T92N-R52W	26
NW1/4 SW1/4 36-T92N-R52W	27	NE1/4 SW1/4 36-T92N-R52W	7
		TOTAL ACRES	251

2. TYPE OF IRRIGATION: GRAVITY: _____ TOWLINE: _____ CENTER PIVOT: XXX GUN: _____ OTHER: (Specify) _____

3. CROPS TO BE IRRIGATED: CORN, BEANS, ALFALFA

WATER QUALITY:	
4. WATER SAMPLE NUMBER: <u>88-0133</u>	7. ADJUSTED (SAR): <u>3.22</u>
5. SALINITY (EC X 10 ⁶): <u>1000</u>	8. PERCENT SODIUM: <u>20.16</u>
6. SODIUM (SAR): <u>1.19</u>	

Requirements:

The maximum allowable limits of salt and sodium buildup in the profile at the root zone (upper 12 inches of the soil profile) at the beginning of the growing season apply. They become applicable upon the issuing of a Soil and Water Compatibility Permit by ~~them~~ the Division, or the Commission.

Director, Division of Conservation

APRIL 18, 1991
Date

XXX APPROVED XXX REQUIREMENTS
____ DISAPPROVED
____ WAIVER

Soil/water permits will be recorded by the Department of Agriculture, with the County Register of Deeds.

Date _____

REPORT ON APPLICATION NOS. 5538-3, 5539-3, 5540-3 AND 5541-3
for Nels J. Sorenson
June 11, 1991

Application No. 5538-3 proposes to irrigate 9 additional acres. Water Permit No. 4983-3 appropriates 3.60 cfs from one well approximately 108 feet deep located in the SW 1/4 NE 1/4 of section 25 to irrigate 267 acres located in the SE 1/4, SW 1/4, S 1/2 NW 1/4, of section 25; all in T92N R52W in Clay County. This application is to irrigate 9 additional acres located in the NE 1/4 NW 1/4, SW 1/4 NE 1/4, NW 1/4 NE 1/4 of section 25 from a well 110 feet deep located in the SW 1/4 NE 1/4 all in section 25, T92N R52W. This application does not authorize any increase in the diversion rate.

Application No. 5539-3 is to irrigate 17 additional acres. Water Permit No. 5041-3 appropriates 1.80 cfs from one well approximately 100 feet deep located in the NW 1/4 SE 1/4 of section 36 to irrigate 131 acres located in the SE 1/4, E 1/2 SW 1/4, S 1/2 NE 1/4 and SE 1/4 NW 1/4 of section 36; all in T92N R52W. This application is to irrigate 17 additional acres located within the previously described acreage from the existing well. This application, if approved, does not authorize any increase in the developed diversion rate.

Application No. 5040-3 is to irrigate 17 additional acres. Water Permit No. 5042-3 appropriates 1.80 cfs from one well 106 feet deep located in the NW 1/4 NE 1/4 of section 1, T91N R52W to irrigate 131 acres located in the NE 1/4, E 1/2 NW 1/4 of section 1, T91N R52W, and SE 1/4 SW 1/4, SW 1/4 SE 1/4 of section 36, T92N R52W. This application is to irrigate 17 additional acres within the previously described acreage from the existing well. This application, if approved, does not authorize any increase in the developed diversion rate.

Application No. 5541-3 appropriates an additional 0.55 cfs to irrigate 37 additional acres. Water Permit No. 5199-3 appropriates 3.05 cfs from two wells 118 feet and 123 feet deep located in the SW 1/4 NE 1/4 of section 36; and the NE 1/4 SW 1/4 of section 35 to irrigate 214 acres located in the W 1/2 NE 1/4, NW 1/4 SW 1/4, S 1/2 NW 1/4, NE 1/4 NW 1/4 of section 36; S 1/2 NE 1/4, N1/2 SE 1/4 of section 35; all in T92N R52W. This application proposes to appropriate an additional 0.55 cfs from the existing wells and to irrigate an additional 37 acres located in the NW 1/4 NW 1/4, NE 1/4 SW 1/4 of section 36, T92N R52W and in the previously described area. The combined diversions of Permit No. 5199-3 and this application, if approved, may not exceed 3.57 cfs for irrigation of 251 acres.

AQUIFER - MISSOURI ELK POINT (M-EP)

The Missouri Elk Point is an alluvium mantled outwash (sand and gravel) under water table conditions in this area. The Missouri Elk Point aquifer underlies 74,500 acres and contains an estimated 1.12 million acre feet of recoverable water in Clay County (Hedges, 1982). The Missouri Elk Point aquifer is hydraulically connected to the Lower Vermillion Missouri aquifer in Clay County, the Missouri Elk Point

aquifer in Yankton and Union Counties and to the Missouri River which acts as a potential discharge/recharge zone for the aquifer.

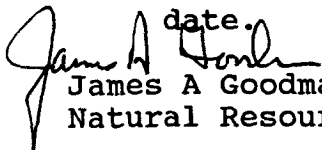
The Division of Water Rights monitors an observation well CL-80C which is located in the immediate area of these applications. Water levels for this well show good response to climatic conditions, that is, rising during wet years (recharge) and gradually declining during dry years. Overall the effects of pumping are not obvious from looking at the hydrograph and the record indicates that water is available from the Missouri Elk Point aquifer (Water Rights, 1991).

REVIEW OF EXISTING WATER PERMITS/RIGHTS

There is one other existing Water Permit No. 5471-3 in this area. Interference will not be a concern. The aquifer is highly productive and the spacing between wells is adequate to minimize any potential effects of drawdown. The observation well record indicates that significant drawdown due to pumping is not occurring.

CONCLUSIONS

1. Water is available from the Missouri Elk Point aquifer.
2. The aquifer is under water table conditions, wells completed into the aquifer have a high specific capacity and drawdown caused by pumping are not significant.
3. These are all existing wells and have been in use. These four permit applications are the result of an inspection of the systems which found that additional acres were being irrigated. These applications, if approved, can be licensed to reflect the actual as built system. The priority date for the original permits can be retained because no other water rights/permits will be adversely impaired. However, the additional diversion rate listed under Water Permit No. 5541-3 will get a new priority date.



James A Goodman
Natural Resources Engineer

BIBLIOGRAPHY

Hedges, L.S., 1982, Evaluation of Ground-Water Resources Eastern SD and Upper Big Sioux River, SD and Iowa, for US Army Corps of Engineers, SD DENR, SDGS, Vermillion, SD, 57069.

Water Rights, 1991, Observation Well Records for the Missouri Elk Point Aquifer in Clay County, SD DENR, Division of Water Rights, Pierre, SD, 57501.

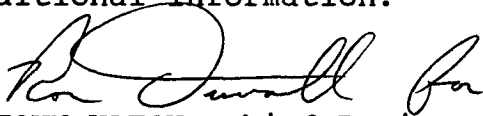
RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 5541-3, Nels J. Sorenson

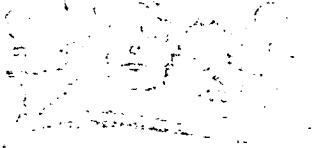
Pursuant to SDCL 46-2A-2, the following is the recommendation of the Chief Engineer, Water Rights Division, Department of Environment and Natural Resources concerning Water Permit Application No. 5541-3, Nels J. Sorenson, RR 3, Box 23, Vermillion, SD 57069.

The Chief Engineer is recommending APPROVAL of Application No. 5541-3 because 1) there is reasonable probability that there is unappropriated water available for the applicant's proposed use, 2) the proposed diversion can be developed without unlawful impairment of existing rights, 3) the proposed use is a beneficial use and 4) in the public interest with the following qualifications:

1. The wells approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
2. This permit is approved subject to the irrigation water use questionnaire being submitted each year.
3. Combined diversions under Permits No. 5199-3 and 5541-3 may not exceed 3.57 cfs for irrigation of 251 acres.

See report on application for additional information.


JOHN HATCH, Chief Engineer
June 14, 1991



GREAT FACES. GREAT PLACES.

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

**NOTE: TO BE SURE OF PUBLICATION ON
THE CORRECT DATES, CONTACT
THE NEWSPAPER RIGHT AWAY.**

June 19, 1991

Nels Sorensen
RR 3, Box 23
Vermillion, SD 57069

Dear Mr. Sorensen:

Water Permit Application Nos. 5538-3, 5539-3, 5540-3 and (5541-3) for irrigation use have been examined and found to comply with the South Dakota Water Laws and applicable rules. A notice of hearing has been sent to the Publisher of the Vermillion Plain Talk printed at Vermillion, SD. For your information, a copy of the notice, the recommendation of the Chief Engineer and a report on the applications are enclosed. Please review the notice prior to publication and notify this office, if you have any corrections or questions.

Be sure to contact the above newspaper to authorize publication of your Notice of Hearing and to arrange for payment. Early contact with the paper can eliminate delays. The publisher has been instructed to publish your notice once each week for two consecutive weeks with the last publication to occur twenty days before the board meeting. The newspaper has been instructed to send us the Proof of Publication. We must receive Proof of Publication before action can be taken on the application.

Sincerely,

Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures

NOTE: If you plan to contest any part of the Chief Engineer's recommendation, you must file a petition pursuant to the procedures outlined in the attached notice of hearing. The Water Management Board will then consider your concerns during a hearing on the application.



GREAT FACES. GREAT PLACES.

DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

June 19, 1991

Vermillion Plain Talk
Box 256
Vermillion, SD 57069

ATTENTION: Legal Department

Enclosed is a Notice of Hearing on Application Nos. 5538-3, 5539-3, 5540-3 and 5541-3 to be published twice. Please publish the first notice on June 27, 1991 with the second publication 7 days later.

The APPLICANT MUST VERIFY TO YOU THAT THE NOTICE IS TO BE PUBLISHED, before you make the first publication. Please BILL the APPLICANT for the cost of publication. The APPLICANT is Nels Sorensen, RR 3, Box 23, Vermillion, SD 57069.

A copy of BOTH publications must be SENT to the WATER RIGHTS DIVISION. IMMEDIATELY return the FIRST publication with the FIRST Transmittal form on the bottom of this page. The first copy is needed to check the publication for errors so any corrections can be made in the second publication. Publication errors can invalidate the public notice and cause the applicant costly delays.

Please be sure the SECOND publication is returned IMMEDIATELY with the enclosed Proof of Publication form. DO NOT WAIT until the end of the month or the billing cycle. No action may be taken on the permit application until proof of publication has been received.

Sincerely,

Eric Gronlund

Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures

-----CUT HERE-----

FIRST TRANSMITTAL NOTICE

TO: Eric Gronlund
Water Rights Division
Joe Foss Building
Pierre SD 57501-3181

No. _____

Date _____

We are in receipt of your letter of _____ enclosing Notice of Hearing to Appropriate Water by Application No. _____ which was first published in our issue of _____. ENCLOSED IS A COPY OF THIS FIRST PUBLICATION.

Name

Newspaper

Instruction to Newspaper - Publish first Notice on June 27, 1991 with the second publication 7 days later. The applicant is responsible for payment.

NOTICE OF HEARINGS on Application Nos. 5538-3, 5539-3, 5540-3, (5541-3) to Appropriate Water

Notice is given that Nels Sorensen, RR 3, Box 23, Vermillion, SD 57069 has filed applications for water permits. Application No. 5538-3 is to irrigate 9 additional acres. Water Permit No. 4983-3 appropriates 3.60 cubic feet of water per second from one well 110 feet deep (Missouri Elk Point Aquifer) located in the SW 1/4 NE 1/4 Section 25 to irrigate 267 acres located in the SE 1/4, SW 1/4 S 1/2 NW 1/4, Section 25; all in T92N-R52W. This application is to irrigate 9 additional acres located in the NE 1/4 NW 1/4, SW 1/4 NE 1/4, NW 1/4 NE 1/4 Section 25-T92N-R52W. This application, if approved, does not authorize any increase in the diversion rate.

Application No. 5539-3 is to irrigate 17 additional acres. Water Permit No. 5041-3 appropriates 1.80 cubic feet of water per second from one well 100 feet deep (Missouri Elk Point Aquifer) located in the NW 1/4 SE 1/4 Section 36 to irrigate 131 acres located in the SE 1/4, E 1/2 SW 1/4, S 1/2 NE 1/4, SE 1/4 NW 1/4, Section 36; all in T92N-R52W. This application is to irrigate 17 additional acres located in the above described locations from the existing well. This application, if approved, does not authorize any increase in the developed diversion rate.

Application No. 5540-3 is to irrigate 17 additional acres. Water Permit No. 5042-3 appropriates 1.80 cubic feet of water per second from one well 106 feet deep (Missouri Elk Point Aquifer) located in the NW 1/4 NE 1/4 Section 1, T91N, R52W to irrigate 131 acres located in the NE 1/4, E 1/2 NW 1/4 Section 1, T91N, R52W; SE 1/4 SW 1/4, SW 1/4 SE 1/4 Section 36-T92N-R52W. This application is to irrigate 17 additional acres in the above described locations from the existing well. This application, if approved, does not authorize any increase in the developed diversion rate.

Application No. 5541-3 is to appropriate an additional 0.55 cfs and to irrigate 37 additional acres. Water Permit No. 5199-3 appropriates 3.05 cfs from two wells (Missouri Elk Point Aquifer) 118 feet and 123 feet deep located in the SW 1/4 NE 1/4 Section 36; and the NE 1/4 SW 1/4 Section 35 to irrigate 214 acres located in the W 1/2 NE 1/4, NW 1/4 SW 1/4, S 1/2 NW 1/4, NE 1/4 NW 1/4 Section 36; S 1/2 NE 1/4, N 1/2 SE 1/4 Section 35; all in T92N-R52W. This application is to appropriate an additional 0.55 cfs to irrigate an additional 37 acres in the NW 1/4 NW 1/4, NE 1/4 SW 1/4 Section 36, T92N, R52W and the above described locations from the two existing wells. The combined diversions of Permit No. 5199-3 and this application, if approved, may not exceed 3.57 cfs for irrigation of 251 acres.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application Nos. 5538-3, 5539-3, 5540-3 and 5541-3 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest. Unless a petition is filed opposing the applications or the applicant files a petition contesting the chief engineer's recommendation, the Water Management Board will NOT CONDUCT a HEARING to consider these applications and the chief engineer will issue the permits as recommended. Petitions filed in support of the application will NOT require the Board to hear the applications.

Any person interested in opposing or supporting these applications must file a written petition with BOTH the applicant and Chief Engineer. The applicant must also file a petition if opposed to the Chief Engineer's recommendation. The Chief Engineer's address is "Water Rights Division, Foss Building, 523 E Capitol, Pierre SD 57501 (605 773-3352)" and the applicant's mailing address is given above. A petition filed by either an interested person or the applicant must be filed by July 15, 1991. The petition may be informal, but must include a statement describing the petitioner's interest in the application, the petitioner's reasons for opposing or supporting the application, and the signature and mailing address of the petitioner or the petitioner's legal counsel, if legal counsel is obtained.

For purposes of publishing 1) the notice of hearing on Application Nos. 5538-3, 5539-3, 5540-3 and 5541-3 and 2) the chief engineer's recommendation, a Board meeting is

scheduled for July 24, 1991, at 10:00 am in Kneip Room, Governors Inn, 700 W. Sioux Ave., Pierre SD. If these applications are opposed or the recommendations contested, the July 24, 1991 hearing date may be rescheduled for another Board meeting. If the hearing is rescheduled, notice of the time and place will be given by First Class Mail to the applicant and persons filing petitions. Anyone not filing a petition, but interested in attending the hearing, may contact the Division of Water Rights to confirm a hearing date and location. The July 24, 1991 hearing date will be automatically delayed for at least 20 days upon written request to the Chief Engineer from the applicant or any interested person opposing the applications. The request for an automatic delay must be filed by July 15, 1991.

If a hearing is held, the Chief Engineer's recommendations are not final or binding upon the Board. The Board is authorized to 1) approve, 2) approve with qualifications, 3) defer, or 4) deny the applications based on the facts presented at the public hearing. Any hearing will be an adversary proceeding. Any person filing a petition and/or the applicant have the right to be represented by a lawyer and may present evidence or cross-examine witnesses according to SDCL 1-26. These and other due process rights will be forfeited if not exercised. Decisions of the Board may be appealed to the Circuit Court and State Supreme Court as provided by law. Contact the Water Rights Division to request copies of information pertaining to the applications or to assure access to the hearing by the handicapped.

These applications are made pursuant to SDCL 46-1-1 thru 46-1-9, 46-1-12 thru 46-1-16; 46-2-3.1, 46-2-9, 46-2-11, 46-2-13, 46-2-17; 46-2A-1 thru 46-2A-10, 46-2A-12, 46-2A-14, 46-2A-15; 46-5-1 thru 46-5-11, 46-5-13 thru 46-5-15, 46-5-24, 46-5-25, 46-5-30.2, 46-5-30.4, 46-5-31; 46-6-3, 46-6-3.1, 46-6-6.1, 46-6-10, 46-6-13, 46-6-14, 46-6-26; and Board Rules ARSD 74:02:01:01 thru 74:02:01:15.

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
) ss.
 County Clay)

I, Kristin Cownie

certify that the attached printed Notice was taken
 from the Plain Talk

A newspaper which during the whole time of publication of
 said notice herein after stated, has been and is printed and
 published in the _____

City of Vermillion

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

6-28-91

7-04-91

Kristin Cownie

(Signature)

Secretary

(Title)

7-4-91

(Date Signed)

Cost of Printing: \$81.50

NOTICE OF HEARINGS

on Application Nos. 5538-3, 5539-3,
 5540-3, 5541-3 to Appropriate Water

Notice is given that Nels Sorensen, RR
 3, Box 23, Vermillion, SD 57069 has filed
 applications for water permits. Applica-
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 acres. Water Permit No. 4983-3 appro-
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 from one well 110 feet deep (Missouri Elk
 Point Aquifer) located in the SW 1/4 NE
 1/4 Section 25 to irrigate 267 acres located
 in the SE 1/4, SW 1/4, S 1/2 NW 1/4, Sec-
 tion 25; all in T92N-R52W. This applica-
 tion is to irrigate 9 additional acres
 located in the NE 1/4 NW 1/4, SW 1/4 NE
 1/4, NW 1/4 NE 1/4 Section 25-T92N-
 R52W. This application, if approved, does
 not authorize any increase in the diversion
 rate.

Application No. 5539-3 is to irrigate 17
 additional acres. Water Permit No. 5041-3
 appropriates 1.80 cubic feet of water per
 second from one well 100 feet deep (Mis-
 souri Elk Point Aquifer) located in the
 NW 1/4 SE 1/4 Section 36 to irrigate 131
 acres located in the SE 1/4, E 1/2 SW 1/4,
 S 1/2 NE 1/4, SE 1/4 NW 1/4, Section 36;
 all in T92N-R52W. This application is to
 irrigate 17 additional acres located in the
 above described locations from the
 existing well. This application, if ap-
 proved, does not authorize any increase
 in the developed diversion rate.

Application No. 5540-3 is to irrigate 17
 additional acres. Water Permit No. 5042-3
 appropriates 1.80 cubic feet of water per
 second from one well 106 feet deep (Mis-
 souri Elk Point Aquifer) located in the
 NW 1/4 NE 1/4 Section 1, T91N, R52W
 to irrigate 131 acres located in the NE 1/4,
 E 1/2 NW 1/4 Section 1, T91N, R52W; SE
 1/4 SW 1/4, SW 1/4 SE 1/4 Section
 36-T92N-R52W. This application is to ir-
 rigate 17 additional acres in the above
 described locations from the existing well.
 This application, if approved, does not
 authorize any increase in the developed
 diversion rate.

Application No. 5541-3 is to appropriate
 an additional 0.55 cfs and to irrigate 37
 additional acres. Water Permit No. 5199-3
 appropriates 3.05 cfs from two wells (Mis-
 souri Elk Point Aquifer) 118 feet and 123
 feet deep located in the SW 1/4 NE 1/4
 Section 36; and the NE 1/4 SW 1/4 Sec-
 tion 35 to irrigate 214 acres located in the
 W 1/2 NE 1/4, NW 1/4 SW 1/4, S 1/2 NW
 1/4, NE 1/4 NW 1/4 Section 36; S 1/2 NE
 1/4, N 1/2 SE 1/4 Section 35; all in T92N-
 R52W. This application is to appropriate
 an addition 0.55 cfs to irrigate an addi-
 tional 37 acres in the NW 1/4 NW 1/4, NE
 1/4 SW 1/4 Section 36, T92N, R52W and
 the above described locations from the
 two existing wells. The combined diver-
 sions of Permit No. 5199-3 and this ap-
 plication, if approved, may not exceed
 3.57 cfs for irrigation of 251 acres.

Pursuant to SDCL 46-2A-2, the Chief
 Engineer recommends APPROVAL of
 Application Nos. 5538-3, 5539-3, 5540-3
 and 5541-3 because 1) unappropriated
 water is available, 2) existing rights will
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 neer's recommendation, the Water Man-
 agement Board will NOT CONDUCT a
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 and the chief engineer will issue the per-
 mits as recommended. Petitions filed in
 support of the applications will NOT re-
 quire the Board to hear the applications.

Any person interested in opposing or supporting these applications must file a written petition with BOTH the applicant and Chief Engineer. The applicant must also file a petition if opposed to the Chief Engineer's recommendation. The Chief Engineer's address is, "Water Rights Division, Foss Building, 523 E. Capitol, Pierre, SD 57501 (605-773-3352)" and the applicant's mailing address is given above. A petition filed by either an interested person or the applicant must be filed by July 15, 1991. The petition may be informal, but must include a statement describing the petitioner's interest in the application, the petitioner's reasons for opposing or supporting the application, and the signature and mailing address of the petitioner or the petitioner's legal counsel, if legal counsel is obtained.

For purposes of publishing 1) the notice of hearing on Application Nos. 5538-3, 5539-3, 5540-3 and 5541-3 and 2) the chief engineer's recommendation, a Board meeting is scheduled for July 24, 1991, at 10:00 a.m. in Kneip Room, Governors Inn, 700 W. Sioux Ave., Pierre, SD. If these applications are opposed or the recommendation contested, the July 24, 1991 hearing date may be rescheduled for another Board meeting. If the hearing is rescheduled, notice of the time and place

will be given by First Class Mail to the applicant and persons filing petitions. Anyone not filing a petition, but interested in attending the hearing, may contact the Division of Water Rights to confirm a hearing date and location. The July 24, 1991 hearing date will be automatically delayed for at least 20 days upon written request to the Chief Engineer from the applicant or any interested person opposing the applications. The request for an automatic delay must be filed by July 15, 1991.

If a hearing is held, the Chief Engineer's recommendation is not final or binding upon the Board. The Board is authorized to 1) approve, 2) approve with qualifications, 3) defer, or 4) deny the applications based on the facts presented at the public hearing. Any hearing will be an adversary proceeding. Any person filing a petition and/or the applicant have the right to be represented by a lawyer and may present evidence or cross-examine witnesses according to SDCL 1-26. These and other due process rights will be forfeited if not exercised. Decisions of the Board may be appealed to the Circuit Court and State Supreme Court as provided by law. Contact the Water Rights Division to request copies of information pertaining to these applications or to assure access to the hearing by the handicapped.

These applications are made pursuant to SDCL 46-1-1 thru 46-1-9, 46-1-12 thru 46-1-16; 46-2-3.1, 46-2-9, 46-2-11, 46-2-13, 46-2-17; 46-2A-1 thru 46-2A-10, 46-2A-12, 46-2A-14, 46-2A-15; 46-5-1 thru 46-5-11, 46-5-13 thru 46-5-15, 46-5-24, 46-5-25, 46-5-30.2, 46-5-30.4, 46-5-31; 46-6-3, 46-6-3.1, 46-6-6.1, 46-6-10, 46-6-13, 46-6-14, 46-6-26; and Board Rules ARSD 74:02:01:01 thru 74:02:01:15.

Publish: June 27 & July 4, 1991



SEP 27 1991

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

Nels Sorensen
RR 3 Box 23
Vermillion, SD 57069

Dear Mr. Sorensen:

Enclosed are Water Permit Nos. 5538-3, 5539-3, 5540-3, and 5541-3 authorizing your water diversion systems and the application of water beneficial use, not exceeding the limits as specified in the Water Permits.

The final inspection has been completed on these Permits, and we are ready to issue the Water Licenses. Statutes require we charge \$200 for the inspection and issuance of the final papers. Upon receipt of this amount the Water Licenses will be sent to you.

Very truly yours,

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

enclosures

55413
Permit No. 5199-3

Vermillion River Water District

Next
Permit Application
add. Lands**Report Of Examination Of Works And/Or Application of Water To Beneficial Use**

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

I have this day made a thorough examination of the water use system constructed by Nels J. Sorensen of Rt. 3, Box 23, Vermillion, SD 57069 holder of Permit No. 5199-3, bearing the priority of May 4, 1988 authorizing the diversion of 3.05 cu. ft. per second of the waters of groundwater for irrigation purposes, in Clay County.

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

A. Works used to divert the water:

NE1/4 SE1/4 of Section 35

one well - (total depth of 116 feet, 76 feet of 16 inch PVC with 40 feet of 16 inch manufactured 100 slot PVC screen)

Western Land Roller pump - Head No. 10MOL-16, bowl 14C, Impeller 3 H8.75, Serial No. 8605327, 1000 GPM estimated

US Electric High Thrust motor - Frame 404TP, 100 HP, ID #R-9981-01-233 R2114412 S, Design B, Type RU

SW1/4 NE1/4 of Section 36

one well (total depth of 123 feet, 83 feet of 16 inch PVC with 40 feet of 16 inch manufactured 100 slot PVC screen)

Western Land Roller pump, no tag, 800 GPM estimated

US Electric Uniclosed motor, Frame 286TPA, 30 HP, 1750 rpm, ID #R-2985-03-591 R2127074MM, Design B

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

NE1/4 SE1/4 of Section 35 - 460 feet of 10 inch PVC pipe

SW1/4 NE1/4 of Section 36 - 1400 feet of 8 inch steel and 15 feet of 8 inch aluminum

C. Works used to apply water to beneficial use:

E1/2 of Section 35 and W1/2 of Section 36 - Zimmatic Center Pivot, 12 towers with end gun, Model Generation 2, Serial No. L25357

N1/2 of Section 36 - two center pivots: Zimmatic Center Pivot, 6 towers with end gun, Model 307 507, Serial No. L15502, Type 9; and a Zimmatic Center Pivot, 5 towers with end gun, Model Generation 2, Serial No. L325165

The system is in the following condition good. The points of diversion are located 750 feet north and 110 feet east of the center of Section 36, T92N R52W and 630 feet south and 2260 feet east of the center of Section 35, T92N R52W. The works are capable of

diverting and conveying to the place of use cu. ft. per second of water which is to be used for ^{irrigation purposes}/. Water has been put to beneficial use to the maximum extent as follows:

All in T92N R52W

<u>Section 35</u>	<u>Section 36</u>
<u>28 acres in the SE1/4 NE1/4</u>	<u>12 acres in the NW1/4 NW1/4 11 acres in the NW1/4 NE1/4</u>
<u>7 acres in the SW1/4 NE1/4</u>	<u>20 acres in the NE1/4 NW1/4 26 acres in the SW1/4 NE1/4</u>
<u>27 acres in the NW1/4 SE1/4</u>	<u>30 acres in the SE1/4 NW1/4 27 acres in the NW1/4 SW1/4</u>
<u>33 acres in the NE1/4 SE1/4</u>	<u>23 acres in the SW1/4 NW1/4 7 acres in the NE1/4 SW1/4</u>

comprising a total of 251 acres of land and the license should be issued for 3.6 cfs.

Application permit qualifications have been complied with ____ Yes X No

Exceptions to compliance are: irrigating additional lands Date September 27, 1990

Note: All legal descriptions in this report assume that Sections 35 and 36, T92N R52W exist. The area in question needs to be replatted by the South Dakota-Nebraska boundary commission.


David S. Brown
Natural Resources Engineer II
DWNR, Water Rights Division

No. 5541-3 was obtained to cover the additional 37 acres and 0.55 cfs diversion rate. The additional acreage and diversion rate retained a priority date of March 14, 1991.

1. Legal location of two wells: at a point 750 feet north and 110 feet east of the center of Section 36, T92N R52W and 630 feet south and 2260 feet east of the center of Section 35, T92N R52W.

2. Well Information: Well Drilling Firm Wetmore Drilling, Elk Point, SD

Casing a) diameter 16 inches
 b) length 76, 83 feet
 c) type PVC

Screen a) type Manufactured slot 100 PVC
 b) length 40 feet

Static Water Level 18, 21 feet

3. Distribution lines or canals

a) size 10, 8 inches
b) type PVC, Steel, and Aluminum pipe
c) length 460, 1400 and 15 feet

4. Dam Information: NA

a) height to crest	feet	m) Outlet tubes:
b) height to primary spillway	feet	1) diameter inches
c) height to secondary spillway	feet	2) type
d) crest width	feet	3) valved (Y/N)
e) crest length	feet	4) valve type
f) spillway length	feet	5) location on structure
g) spillway width	feet	
h) approx. storage	AC-FT	n) Category of Dam
i) approx. storage to crest	AC-FT	
j) date constructed		
k) inspection sheet completed?	(Y/N)	
l) name of contractor		

5. System Type
- c) gun:
- 1) make
 - 2) nozzle size
 - 3) capacity (GPM)
 - 4) hose size inches
 - 5) hose length feet
- e) gated pipe:
- 1) length feet
 - 2) diameter inches
- 3) spacing of gates inches
- f) portable boom:
- 1) make
 - 2) nozzle size
 - 3) capacity (GPM)
- d) three center pivots:
- 1) make Zimmatic
 - 2) number of towers 12, 6, 5
 - 3) distance between towers 150, 129, 165; 171, 162, 126; 150 ft
 - 4) overall length 1890; 918; 980 feet
 - 5) end gun (Y/N) Yes
 - 6) high or low pressure high
 - 7) make and size of nozzles
 - 8) capacity 1000; 800 (GPM)
estimated, only two center pivots run at one time, one well shared by two center pivots
- g) siphons:
- 1) size inches
 - 2) number

NOTE: For Permits with additional wells or changes in well locations, record the following for each well: pumping capacity, date constructed, well driller and if a well log is available.

Indicate any other permit(s) which are associated with project new permit needed for additional lands being irrigated.

Yes	No	Check Items
<u> </u>	<u> X </u>	1. Soil and water permit lands agree with lands being irrigated and lands listed on permit?
<u> X </u>	<u> </u>	2. Special qualifications to permit being abided by?
<u> X </u>	<u> </u>	3. All structures, wells and lands on map?
<u> X </u>	<u> </u>	4. Irrigation Questionnaires checked to determine if permit owner started irrigation by end of construction period?
<u> </u>	<u> X </u>	5. Is chemigation used?
<u> NA </u>	<u> </u>	6. If yes, does equipment comply with chemigation rules?

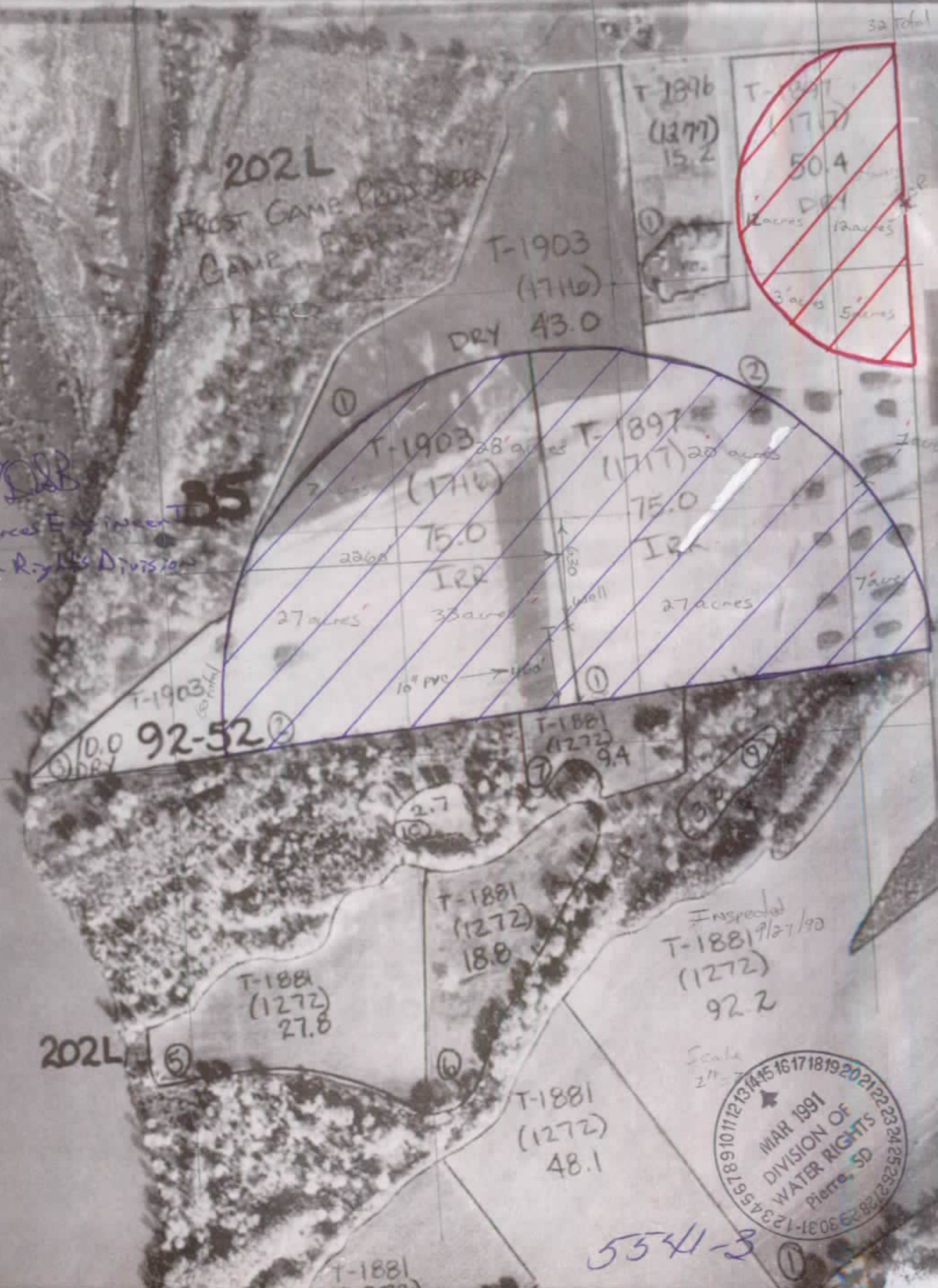
REMARKS: Additional lands are being irrigated which are not covered under an existing Water Permit. Prior to issueing license a new Water Permit must be obtained for the additional lands.

Appl. 5541-3

* Assume Center of Section 35, T92N R52W is located correctly.

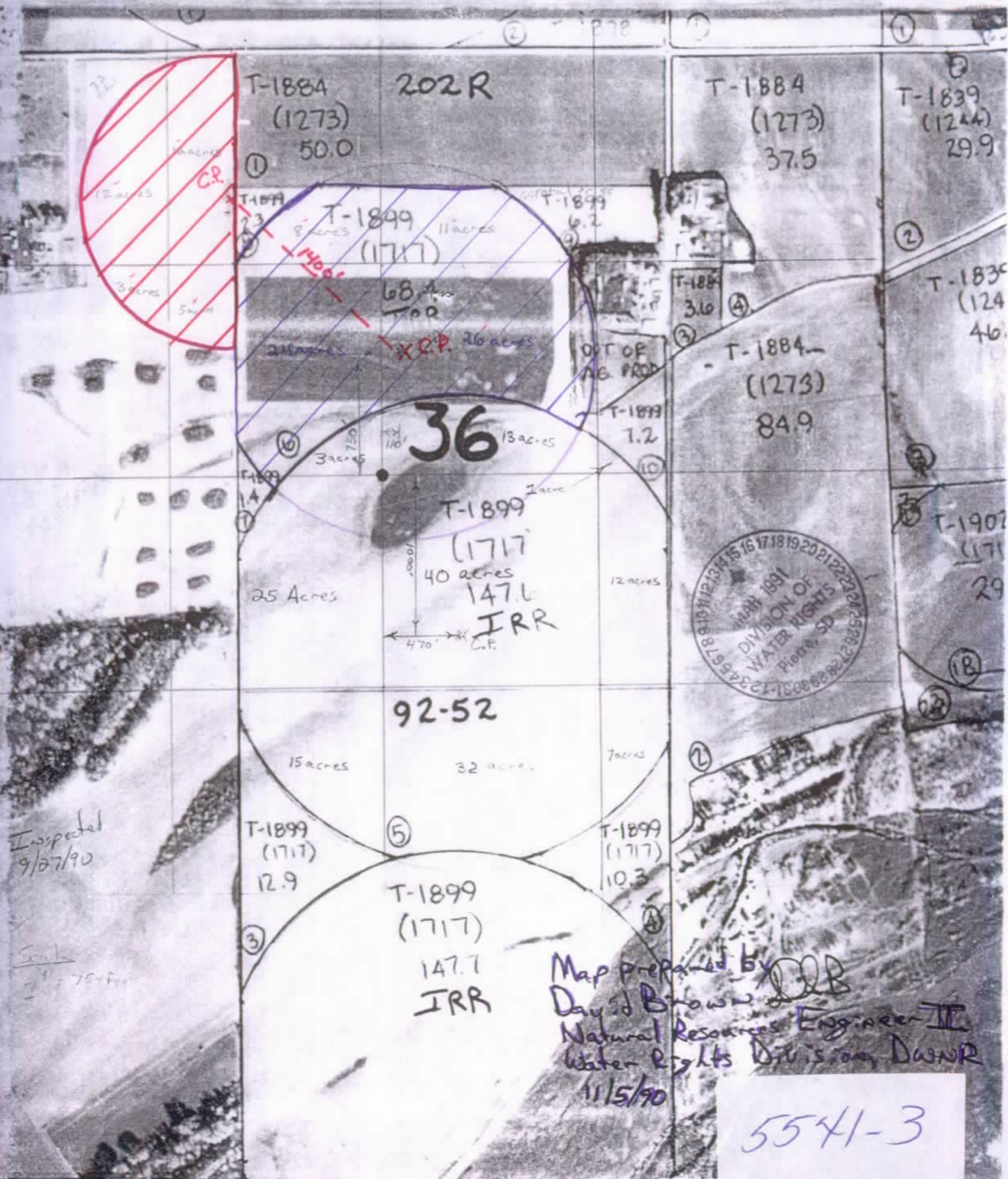
NOT TO SCALE

Map prepared by
David Brown
Natural Resource Engineer
DWR, Water Rights Division
Pierre, SD
11/6/90



* Assume Center of Section 36, T92N R52W is located correctly.

NOT TO SCALE



STATE OF SOUTH DAKOTA

WATER LICENSE NO. 5541-3

(1) Nels J. Sorensen of RR 3, Box 23, Vermillion, SD 57069 made Application No. 5541-3, March 14, 1991 for a water permit to appropriate 0.55 cubic feet of water per second (cfs) from groundwater (two existing wells), Clay County, South Dakota for irrigation purposes. Permit No. 5541-3 with a priority date of March 14, 1991 was approved July 24, 1991 and issued to applicant(s) for diversion of water with construction of the described water supply system completed and the application to beneficial use of said water completed.

Water Permit No. 5541-3 authorized diversion of 0.55 cfs from two existing wells to irrigate 37 additional acres which were developed, but not permitted, under Water Permit No. 5199-3. The additional diversion rate and acreage retained a March 14, 1991 priority date.

The applicable portions of Water Permit No. 5199-3 have been incorporated into this Water License No. 5541-3.

(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 3.60 cubic feet of water per second for beneficial use. The location of the diversion points are: 750'N and 110'E of the center of Section 36; and 630'S and 2260'E of the center of Section 35; both in T92N, R52W. (SW 1/4 NE 1/4 Section 36 and NE 1/4 SE 1/4 Section 35).

(3) The applicant has complied with the provisions of South Dakota State Law relating to the application of water to beneficial use to irrigate the following land:

T92N, R52W Section 35	SE 1/4 NE 1/4	28 Acres
	SW 1/4 NE 1/4	7 Acres
	NW 1/4 SE 1/4	27 Acres
	NE 1/4 SE 1/4	33 Acres
Section 36	NW 1/4 NW 1/4	12 Acres
	NE 1/4 NW 1/4	20 Acres
	SE 1/4 NW 1/4	30 Acres
	SW 1/4 NW 1/4	23 Acres
	NW 1/4 NE 1/4	11 Acres
	SW 1/4 NE 1/4	26 Acres
	NW 1/4 SW 1/4	27 Acres
	NE 1/4 SW 1/4	7 Acres
	Total-----	251 Acres

(4) Pursuant to Section 46-5-30.1 Nels J. Sorensen of RR 3, Box 23, Vermillion, SD 57069 the holder(s) and/or owner(s) of Incorporated Water Permit No. 5541-3 is issued a license to appropriate water, the right to use 3.60 cubic feet of water per second from groundwater (two wells) with priority dates of May 4, 1988 (3.05 cfs) and March 14, 1991 (0.55 cfs) from the location specified in (2) of this license. The water is to be conducted to and upon lands specified in (3) of this license for the purpose of irrigation. This license is subject to any limitations or qualifications listed in Incorporated Water Permit No. 5541-3 and subject to South Dakota State Law.



NOV 30 1992

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



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

June 16, 1992

SECOND NOTICE

Permit No. 5538-3
5539-3
5540-3
5541-3

NOTICE OF WATER LICENSE INSPECTION FEE REQUIREMENT

Nels Sorensen
RR 3, Box 23
Vermillion, SD 57069

Dear Mr. Sorensen:

On September 27, 1991, you were notified that the four final inspection fees of \$50.00 for each permit for a total of \$200.00 are due before Water License Nos. 5538-3, 5539-3, 5540-3, and 5541-3 can be issued. As of this date, the fees have not been received.

The fee is a final step in the legal process of obtaining and perfecting a water right and is required by SDCL 46-2-13(3). Upon receipt of the \$200.00, your Water Licenses will be sent to you. These are the final documents for the perfection of your Water Rights. A perfected water right is similar to a property right and once a water right is perfected, it cannot be lost as long as the water is used.

South Dakota Water Law 46-5-30.1 requires that a permit holder may not divert water until the License fee has been paid. Please submit the required fees immediately to avoid jeopardizing your water permits.

Very truly yours,

John Hatch, Chief Engineer
Water Rights Division
Phone: (605) 773-3352

RECEIPT

Division of Water Rights

South Dakota Department of Water and Natural Resources

413336

Pierre, July 23, 19 92

RECEIVED OF Nels/Linda Sorensen, RR #3 Box 23, Vermillion, SD 57069

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>5541-3</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 John Hatch
Chief Engineer

JOHN HATCH

gm



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

NOV 3 0 1992

5538-3
5539-3
5540-3
5541-3

Nels Sorensen
RR 3, Box 23
Vermillion, SD 57069

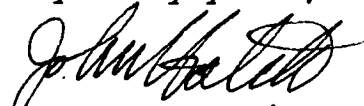
Dear Mr. Sorensen:

Enclosed are Water License Nos. 5538-3, 5539-3, 5540-3 and 5541-3. They are the final water right documents completing your process of obtaining Water Rights. Enclosed are Receipt Nos. 413333, 413334, 413335 and 413336 in the amount of \$50.00 each which you paid for the inspection and issuance of the Water Licenses.

For your information SDCL 46-6-27 requires that if the owner of existing wells, such as the wells authorized by Water Right Nos. 5538-3, 5539-3, 5540-3 and 5541-3, constructs replacement wells and does not plan to use the old wells, the old wells are 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 Licenses, the State Water Laws provide that you have a continuing right to use the water. If you have any questions, please contact our office.

Very truly yours,


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

enclosures

NOTE: The applicable portions of Water Permit No. 4983-3 have been incorporated into Water License No. 5538-3; the applicable portions of Water Permit No. 5041-3 have been incorporated into Water License No. 5539-3; the applicable portions of Water Permit No. 5042-3 have been incorporated into Water License No. 5540-3; and the applicable portions of Water Permit No. 5199-3 have been incorporated into Water License No. 5541-3.



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

October 26, 2009

Nels J Sorensen
15 Muirfield Ct
Vermillion SD 57069-7077

RE: Irrigation Questionnaires for Water Permit or Right Nos. 5200-3, 5412-3, 5538-3, 5539-3, 5540-3, 5541-3, 5579-3, 6310-3 & 6985-3

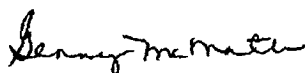
Dear Mr. Sorensen:

Enclosed is a "Notice" dated October 16, 2009 concerning the 2009 irrigation questionnaires.

The notice was originally mailed to 2903 Sorensen Ave, Vermillion SD. The post office notified us that your address has changed and I will update our records accordingly.

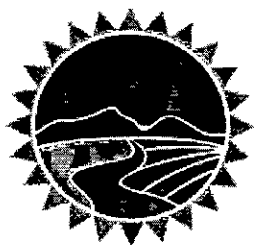
If you have any questions, please contact me.

Sincerely,


Genny McMath
Environmental Scientist
Water Rights Program
(605) 773-3352
email: genny.mcmath@state.sd.us

enclosures

5541-3



DENR
SOUTH DAKOTA

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

November 2, 2020

Nels J Sorensen
200 Mickelson Ave
Vermillion SD 57069

RE: Water Right Nos. 5200-3, 5412-3, 5538-3, 5539-3, 5540-3, 5541-3, 5579-3, 6310-3 & 6985-3

Dear Mr. Sorensen:

Enclosed are the irrigation questionnaires originally sent to 15 Muirfield Court in Vermillion.

I will make the changes to your address in our files. If you have any questions, please let me know.

Sincerely,

A handwritten signature in cursive script that reads "Genny McMath".

Genny McMath
Water Rights Program
605 773-3352
Genny.mcmath@state.sd.us