

1. Considered 3-17, 1976 2540.3
2. Name of Applicant ROBERT N. F. IMAN
3. Post Office Address BROOKINGS
4. Amount of water claimed 2.1
5. Source of water supply GROUND WATER (37' WELL)
6. Water to be used for IRRIGATION
- Acres to be irrigated 14.7
7. Water to be diverted and used in BROOKINGS county
about 4 E miles of BROOKINGS
8. Proof of Publication Received 3-4-76
Not Received _____
9. Application Approved _____
Subject to _____
Not Approved _____
Action deferred _____
10. Remarks:

Map No. 1911-3 Water Division No. 3 BIG SIOUX 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 Robert W. Plyman Carol J. Plyman
 Post-office address 8 R. Hill Blvd. Aurora, South Dakota 57002
 If a corporation show date and place of incorporation N.H.
2. Method of accomplishing work (contract, employment of others, or by direct labor) Contract & Direct Labor
3. Name of diversion work Robert W. Plyman Irrigation Project #1
4. Amount of water claimed (cubic feet per second) 2.1
5. Source of water supply Well
6. Location of point of diversion 1880' N 136° W of NE corner of Section 23-110-47
7. Annual period or periods during which water is to be used April through October County Brookings
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 147

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

Section	Land Description	No. Acres Irr.	Land Description	No. Acres Irr.
NW 1/4 Sec 23-110-49		39		
NE 1/4 Sec 23-110-49		38		
SW 1/4 Sec 23-110-49		40		
SE 1/4 Sec 23-110-49		38		

Attach sheet if more space is needed

10. 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.
11. Choice of newspaper for Notice of Intent to Appropriate Water publication Brookings Register
12. Principal Features of the Proposed Water Supply System

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

well with electrically driven deep well turbine

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

closed conduit

C. Works proposed to apply water to beneficial use.

Center Pivot Irrigation MachineEstimated Total Cost \$ 40000

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 Brookings

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

Signed Robert W. PlymanSubscribed and sworn to before me this 23 day of Jan 1976

Notary Public (or other qualified officer)

John J. Williams
P.E.H. 1916

WATER RIGHT APPLICATION APPROVAL

The Water Rights Commission hereby approved Water Right Application No. 2540-3 Aurora
Robert W. Pyman, Jr. Box 90 Brookings
 (Applicant) (Pay Office Address)
SOUTH DAKOTA 57006 With the following modifications:
 (State)

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 FEBRUARY 12 1976
 Date of return to applicant for correction, amendments or changes required — 19 —
 Date of receipt of corrected application — 19 —
 Approved MARCH 17 1976 Recorded in Book 14 Page 322

WATER RIGHT PERMIT NO. 2540-3

The Water Rights Commission hereby grants and issues this Water Right Permit No. 2540-3 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 FEBRUARY 12 1976
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before SEPTEMBER 17 1978
3. The whole of said work is to be completed on or before MARCH 17 1981
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is MARCH 17 1984
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 2.1 cubic feet per second; neither shall it exceed the capacity of the above described water supply system, nor shall it exceed the amount of water needed for beneficial uses served, and if for the irrigation purposes said appropriation must be limited to not more than 3 acre feet per acre per year and be limited to not more than one-seventieth (1/70) of one cubic foot of water per second of time for each acre of land to which water is actually and beneficially applied for irrigation on or before MARCH 17 1984 and water to be used during the following described annual period: APRIL THRU OCTOBER

Witness my hand this 22ND day of MARCH 19 76

WATER RIGHTS COMMISSION

John Hatch
 Chief Engineer, Executive Officer

Certificate of Construction Issued — 19 —
 Water License Issued — 19 —

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

D. Well Information or Estimates

- (1) Drill Hole, Diameter 24", Depth 37'
(2) Casing, Type Steel Diameter 14" Thickness 3/16"
(wood, concrete, steel, etc)
(3) Perforated Screen.
Type Pent. bars slot, Diameter 14", Length 10'
(4) Gravel Pack: Thickness 5", Length of gravel pack 20'

E. Dugout Information or Estimates.

- (1) Surface dimensions NA, Depth NA

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

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

Character of Water bearing materials 0' to 5' overburden,
5' to 10' sand, 10' to 37' mixed sand & gravel

Depth to top of water bearing material 10'
Depth to bottom of water bearing material 37'
Thickness of water bearing material 27'
Depth to water (ground surface to water level) 10'

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

On same owner's property 66 rds. On property owned by others 200 rds.

G. Water Storage Dams.

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

Robert Pylman, Jr.
Signature of Applicant

January 27, 1976



Mr. Robert Pylman, Jr.
R.R. #1, Box 94
Brookings, SD 57006

Dear Bob:

You earlier received the original copy of the report of analysis of your water sample #76-012. You perhaps remember that it is quite good water with medium salinity and low sodium.

There should be no difficulty in irrigating the soils that you indicate you have with this water and if there should be any management problems develop on the Estelline soil, please get in contact with one of us or the extension personnel for possible recommendations.

A copy of this letter, and the water analysis, and your WI-1 form are being sent to the State Conservation Commission for their action.

Sincerely yours,

L. O. Fine

L. O. Fine
Water Quality Lab

LOF:ckb

Enclosures

cc: State Conservation Commission

D. Pahl

Don Boone, County Extension Agent

CONSERVATION
COMMISSION
V1 #1

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 ONLY

IRRIGATION SYSTEM _____

WATER QUALITY _____

SOILS CAPABILITY _____

APPROVED Robert W. Pylman Jr.

DISAPPROVED _____

NAME Robert W. Pylman Jr.
ADDRESS R.R. #1 Box 94
COUNTY Brookings

LEGAL DESCRIPTION

1. WELL LOCATION NE 1/4 of S 23 T10 R49
2. AREA TO BE IRRIGATED 160

TYPE OF IRRIGATION

3. GRAVITY _____ SPRINKLER (INDICATE TYPE) Center Pivot
4. CROPS TO BE IRRIGATED corn & alfalfa

LAND CAPABILITY FOR IRRIGATION

5. PERCENTAGE OF SLOPE nearly level
6. PHYSICAL SOILS CLASSIFICATION FOR IRRIGATION All Estimating Soil
see page 46 of Brookings County map

WATER QUALITY (TO BE COMPLETED BY COMMISSION)

7. SAMPLE NUMBER 76-012
8. SALINITY EC = 718 μ mhos/cm (medium)
9. SODIUM SAR = 0.19 (low)

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

Exp Sta Bulletin 468

AND:

THAT THE LEGAL DESCRIPTION FOR THE LOCATION OF THE WELL AND LAND TO BE
IRRIGATED IS TRUE AND CORRECT.

Robert W. Sylman Jr.

SUBSCRIBED AND SWORN BEFORE ME THIS

26 DAY OF January 1976
John L. W. [unclear]

Ref B. E. H. 1916

(TITLE)

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

*Water Quality
 Form No. 10/75*

Submitted by: Robert L. Lutton
 Address: Rt. 1, Box 94
Brookings, SD 57006

Date Rec'd: January 7, 1975
 Sample No.: 76-012
 Identification: 111-551
HEB Dec 23, 1974, T. L. LUTON, R. AGN

WATER ANALYSIS

Calcium (Ca)	91	ppm*	4.51	me/l**
Magnesium (Mg)	38	ppm	3.12	me/l
Sodium (Na)	9	ppm	0.38	me/l
Potassium (K)	4	ppm	0.10	me/l
Sulfate (SO ₄)	125	ppm	2.60	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	3	ppm	0.09	me/l
Bicarbonate (HCO ₃)	320	ppm	5.24	me/l
Carbonate (CO ₃)		ppm		me/l
Iron (Fe)		ppm		me/l
Fluoride (F)		ppm		me/l
Hardness (EDTA as CaCO ₃)		ppm		g.p.g.***
Alkalinity (Methyl Orange)	260	ppm (as CaCO ₃)		
Alkalinity (Phenolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	718	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	0.19			
Sodium	4.66	% of cation		
Residual sodium carbonate	0.00	me/l		
pH	7.59			

Others:

*ppm=parts per million

**me/l=millequivalents per liter

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

COMMENTS: Total cations 8.15 me/l
 Total anions 7.93 me/l

By: Shirley Lutton

Service Performed

Amount Due

Irrigation analysis

\$8.00

Make checks payable to: Water Quality Laboratory

Cut along dotted line and return the lower portion with payment

Sample No. 76-012

Amount Enclosed \$

Signed

No. 2450-3

Publish first publication, on or before March 4, 1976

NOTICE
INTENT TO APPROPRIATE WATER

Pierre, South Dakota 57501

February 17, 1976

Robert W. Plyman

Notice is hereby given that

whose post office address is Brookings, 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

2.1 cubic feet of water per second of time from the ground water through the Plyman Irrigation Project #1, the point of diversion of which is to be located in the

Center of the NE 1/4

of Section 23, Twp. 110N, Range 49W. Said water to be used for the purpose

of providing irrigation on ^{portions of} the following described land:

NE 1/4, Section 23, T110N, R49W

This application No. 2450-3 will be considered by the Water Rights Commission at their office at Pierre upon the 17th day of March, 1976, at 1:00 P. M. All interested persons may appear and be heard.

WATER RESOURCES COMMISSION

By:

BURTON F. JONES
Water Rights Specialist

BFG/bw
cc:

Robert W. Plyman, Jr., RT. 1, Box 94, Brookings, S.D. 57000

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

No. 2540-3

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Brookings) ss.

I, James M. McLellan Jr. hereby
certify that the annexed printed copy of Notice of Intent to Appropriate
Water was taken from the Brookings Daily Register

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 Brookings

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

Feb. 23, 1976

March 1, 1976

James M. McLellan Jr.
(Signature)

Sen. Rep.
(Title)

2 March, 1976
(Date Signed)

Legal No. 79 - Feb. 23 & March 1
NOTICE

INTENT TO APPROPRIATE WATER
February 17, 1976

Notice is hereby given that Robert W. Plyman whose post office address is Brookings, 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 2.1 cubic feet of water per second of time from ground water through the Plyman Irrigation Project No. 1, the point of diversion of which is to be located in the Center of the NE 1/4 of Section 23, Twp. 110N, Range 49 W. Said water to be used for the purpose of providing irrigation on portions of the following described land:

NE 1/4, Section 23, T110N, R49W

This application No. 2450-3 will be considered by the Water Rights Commission at their office at Pierre upon the 17th day of March, 1976, at 1:00 P.M. All interested persons may appear and be heard.

WATER RESOURCES
COMMISSION
BURTON F. JONES
Water Rights Specialist



RECEIPT

WATER RIGHTS COMMISSION
State of South Dakota

No 4 8483

PIERRE, September 25, 1981

RECEIVED OF Carol J. Fyfe, RR 1, Box 94, Aurora, SD 57002

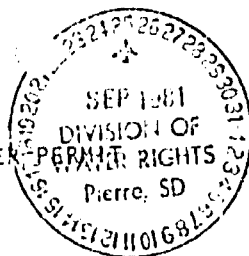
the following amount in fees for services rendered as provided for by law:

Fee for Application for Permit to Appropriate Water No. (examination, processing, recording and filing)		
Fee for Inspecting Construction, and Issuing Cert. of Construction No.		
Fee for Inspecting Beneficial Use, and Issuing Water License No.		
Fee for issuing Location Certificate-Dry Draw, No.		
Fee for filing transfer of WR# 2540-3	2.50	
Fee for certified copy of		
Fee for Print copy of map		
Fee for Certifying		
Fee for (any other work as provided by law)		
TOTAL	2.50	

WATER RIGHTS COMMISSION

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

OK.



Pierre, SD

Date: 9-22-81

147 acres - NE 1/4 Section 23, T110N, R49W

has been transferred to Carol J Plyman, RR #1, Box 98, Aurora, SD 57002

Water Right Permit No. 2540-3 as provided for in SDCL 46-5-32 and 46-5-33.

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

1. Carol J. Fylman 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 infor-
mation herein stated is true.

Carol J. Lyman
(Signed)

Subscribed and sworn to before me this 21st Day of September, 1951.

Carol L. Hansen
(Notary Public,

2540-3

WATER RIGHTS DIVISION
(605) 773-3352

July 25, 1983

Carol Pylian
RR#1, Box 94
Aurora, South Dakota 57002

RE: Permit 2540-3

Dear Ms. Pylian:

On May 17, 1983 I inspected permit #2540-3 for final inspection before issuing a water license. During the inspection I found that two wells were being operated under the permit when only one well had been approved. To bring the permit into compliance with South Dakota law a permit must be obtained for the second well.

Enclosed please find an application form which I have filled out to make the system legal. Please sign and return all four forms. We will then advertise the application for consideration by the Water Management Board.

A check for \$50.00 must be submitted with the application.

Sincerely,

Gale M. Selken
Hydrologist

GMS:mc
Enc.



Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501

WATER RIGHTS DIVISION
Phone (605) 773-3352

No. 4971-3

2540-3

February 16, 1984

Carol J. Pylman
RR#1, Box 94
Aurora, South Dakota 57002

Dear Mr. Pylman:

Enclosed herewith is, Water License No. 4971-3. This 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 Division

JH: ms

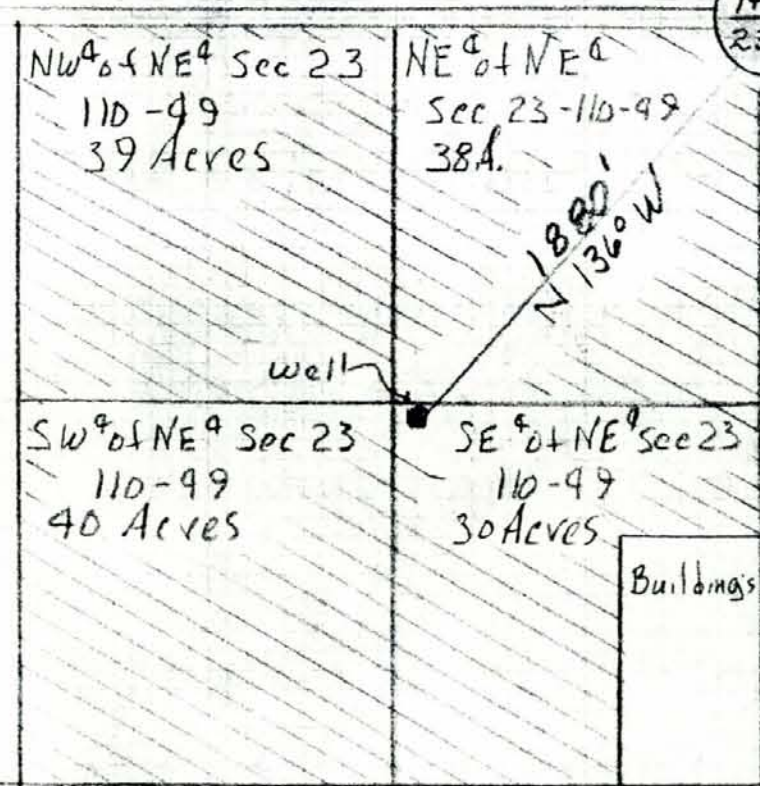
Enclosures

Applicable portions of Water Permit No. 2540-3 have been incorporated into Water License No. 4971-3.

ROBERT W. PLYMAN

IRRIGATION PROJECT #1

RR # 1 Box 94 - 57006 Brookings S.D.
Brookings County



Acres Irrigated - 147

Water claimed - 2.1 cfs.

Point of Diversion - 1880' N 136° W
of NE Corner Section 23-110-99

Surveyor's Certificate

I, John L. Wiersma, do hereby certify that
this map identifies a reasonably
accurate record of the land of:

Robert W. Plyman Jr.

Brookings 57006 S. Dakota
Drawn by J.L.W. 2-9-76

John L. Wiersma
P.E. 1916

Brookings
S. Dak.

Scale - 8" = 1 Mile

MAP 1916-23 APPL N° 2540-3