

Water Right Number 2975-8...

1. Considered 9-29, 19 76
2. Name of Applicant MELVIN PUFFER
3. Post Office Address HITCHCOCK
4. Amount of water claimed 1.9
5. Source of water supply 57' WELL
6. Water to be used for IRRIGATION
- Acres to be irrigated 15.0
7. Water to be diverted and used in BEADLE County
about SE, 35 Miles of HITCHCOCK
8. Proof of Publication Received _____
Not received _____
9. Application Approved _____
Subject to _____
Not approved _____
Action deferred _____

10. Remarks:

No. 2975-3
 Map No. 2304-3 Water Division No. 3 JAMES RIVER District _____
 (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 Melvin Puffer
 Postoffice address Hitchcock, State South Dakota 57350
 If a corporation show date and place of incorporation _____
 2. Method of accomplishing work (contract, employment of others, or by direct labor) Contract & direct labor
 3. Name of diversion work PUFFER #7
 4. Amount of water claimed (cubic feet per second) 1.9
 5. Source of water supply GROUND WATER
 6. Location of point of diversion CENTER of SE 1/4 17, 113-62
 County Beadle
 7. Annual period or periods during which water is to be used April through 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.
NW 1/4 of SE 1/4 17, 113-62	40		
SW 1/4 of SE 1/4 17, 113-62	40		
SE 1/4 of SE 1/4 17, 113-62	40		
NE 1/4 of SE 1/4 17, 113-62	40		

Attach sheet if more space is needed

10. Time required to complete construction of water supply system 5 years. Additional time required to complete application of water to the proposed beneficial use 2 years.
 11. Choice of newspaper for Notice of Intent to Appropriate Water publication Daily Plainsman
 12. Principal Features of the Proposed Water Supply System.

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

Bowl pump

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

Main line

C. Works proposed to apply water to beneficial use.

Sprinkler system

Estimated Total Cost \$ _____

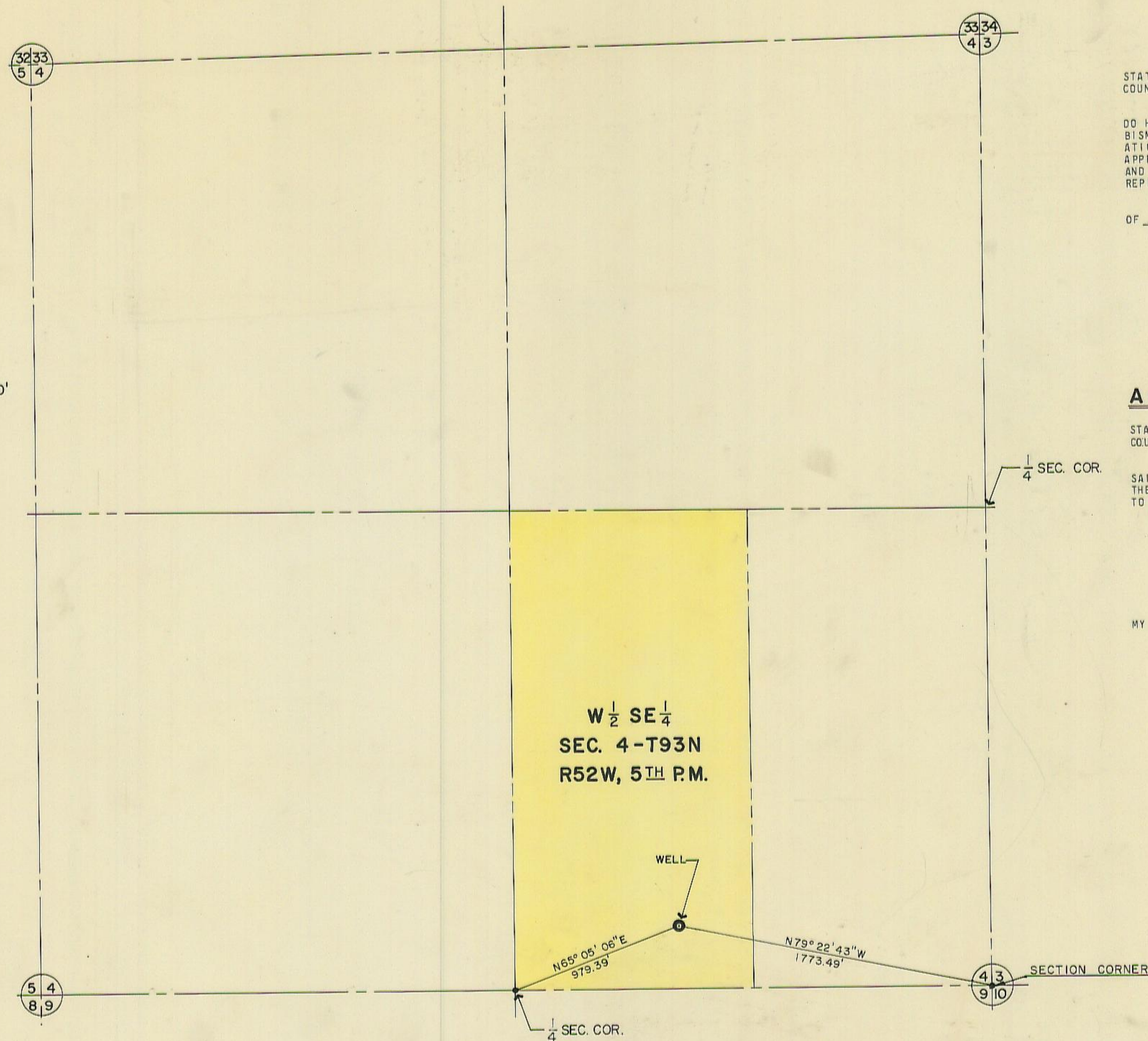
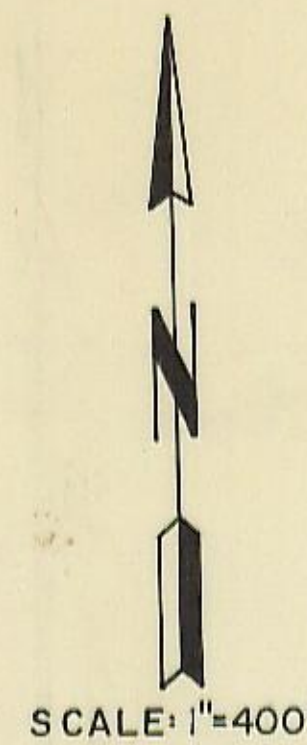
Attachments: Attach Form 2A if diversion from a well or dugout, or if storage of water, is proposed. Attach map.
 (See instructions concerning preparation.)

STATE OF SOUTH DAKOTA)
) ss.
 County of Beadle)

I, Melvin Puffer 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 Melvin PufferSubscribed and sworn to before me this 10 day of Oct 1976

Notary Public (or other qualified officer)



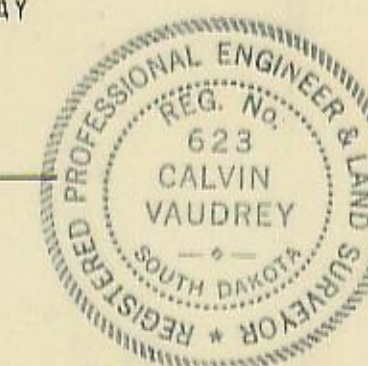
SURVEYOR'S CERTIFICATE

STATE OF SOUTH DAKOTA SS
COUNTY OF BROOKINGS

I, CALVIN VAUDREY, A REGISTERED LAND SURVEYOR IN THE STATE OF SOUTH DAKOTA, DO HEREBY CERTIFY THAT AT THE REQUEST OF BASIN ELECTRIC POWER COOPERATIVE OF BISMARCK, NORTH DAKOTA, I DID PREPARE THE MAP ON THIS SHEET FROM EXISTING INFORMATION AND THAT I DID SURVEY AND LOCATE THE SITE FOR WHICH APPLICATION FOR AN APPROPRIATIVE WATER RIGHT TO WITHDRAW UNDERGROUND WATERS FOR DOMESTIC PURPOSES AND REPLENISHMENT OF FIRE PROTECTION SUPPLY IS MADE, AND THAT THIS MAP IS A TRUE REPRESENTATION THEREOF.

IN WITNESS WHEREOF, I HAVE HEREUNTO SET MY HAND AND SEAL THIS 13TH DAY OF AUGUST, A.D. 1976.

Calvin Vaudrey
REGISTERED LAND SURVEYOR



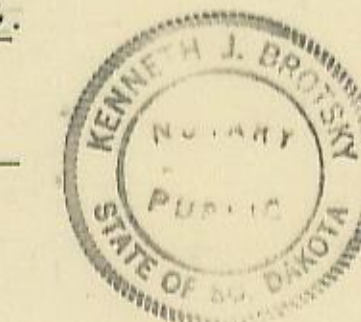
ACKNOWLEDGMENT OF SURVEYOR

STATE OF SOUTH DAKOTA SS
COUNTY OF BROOKINGS

ON THIS DAY, BEFORE ME, THE UNDERSIGNED, A NOTARY PUBLIC WITHIN AND FOR SAID STATE AND COUNTY, PERSONALLY APPEARED CALVIN VAUDREY, KNOWN TO ME TO BE THE PERSON WHO EXECUTED THE FOREGOING SURVEYOR'S CERTIFICATE AND ACKNOWLEDGED TO ME THAT HE EXECUTED THE SAME.

WITNESS MY HAND AND SEAL THIS 13TH DAY OF AUGUST, A.D. 1976.

Kenneth J. Brubaker
NOTARY PUBLIC



MY COMMISSION EXPIRES January 4, 1981

Drawn By: D.G. K
APPROVED: _____
DATE: _____

Checked By: R.L. B.
APPROVED: _____
DATE: _____ FOR J. T. BANNER & ASSOC., INC.

J.T. Banner & Associates, Inc.
1024 Sixth Street Brookings, South Dakota 57006 (605) 692-6342

REVISION	DATE	DESCRIPTION	MADE	APPR.

BASIN ELECTRIC WATER SUPPLY

R. W. BECK & CO., DENVER, COLORADO

WATER RIGHTS MAP

Scale: 1"=400'
Project No. **6635**
Date: 5 AUGUST 1976
Sheet No. 1 OF 1

MAP NO 23023 (APPL NO 2972-2)

WATER RIGHT APPLICATION APPROVAL

The Water Rights Commission hereby approves Water Right Application No. 2975-3MELVIN PUFFER

(Applicant)

HITCHCOCK

(Post Office Address)

SOUTH DAKOTA 57348

(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.

CAM
BY ACTING
DATE 5/13/79
New Permit
4350-3

Date of first receipt of application SEPTEMBER 3, 19 76

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

Date of receipt of corrected application _____, 19 _____

Approved SEPTEMBER 30, 19 76, Recorded in Book 16 Page 80WATER RIGHT PERMIT NO. 2975-3

The Water Rights Commission hereby grants and issues this Water Right Permit No. 2975-3 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 SEPTEMBER 3, 19 76
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before MARCH 30, 19 79
3. The whole of said work is to be completed on or before SEPTEMBER 30, 19 81
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is SEPTEMBER 30, 19 83
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 1.9 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 SEPTEMBER 30, 19 83; said water to be used during the following described annual period: APRIL THRU OCTOBER

Witness my hand this 29TH day of NOVEMBER, 19 76

WATER RIGHTS COMMISSION

By:

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 _____, Depth _____

(2) Casing, Type _____ Diameter _____ Thickness _____
(wood, concrete, steel, etc)

(3) Perforated Screen.

Type _____, Diameter _____, Length _____

(4) Gravel Pack, Thickness _____, Length of gravel pack _____

E. Dugout Information or Estimates

(1) Surface dimensions _____, Depth _____

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

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

Character of Water bearing materials _____

Depth to top of water bearing material _____

Depth to bottom of water bearing material _____

Thickness of water bearing material _____

Depth to water (ground surface to water level) _____

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

On same owner's property several miles rds. On property owned by others 95 rds.

G. Water Storage Dams.

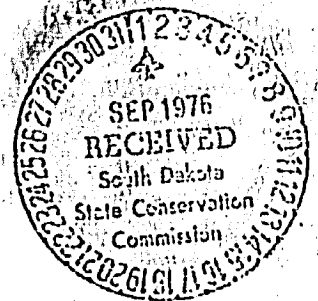
If the proposed water use system contains one or more water storage dams, please show in the space below, the height, maximum water depth, surface area and storage capacity of each storage dam. The location of each water storage dam should be shown on the water right map.

W. L. S. S. S. S.
Signature of Applicant

Memo

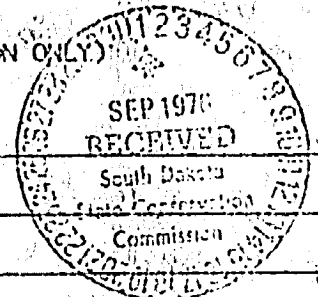
Water Resources Institute
South Dakota State University
Brookings, S.D. 57006
605-688-4910

Have no idea what his soils are.
Maybe he sent soils information to you.
Water is under on clay loams which
less permeable layer close to surface



CONSERVATION
COMMISSION
FORM WI #1

STATE CONSERVATION COMMISSION
SUPPORTING INFORMATION
FOR APPROPRIATION OF GROUND WATER IN ACCORDANCE
WITH SDCL 46-G-3 AS AMENDED
(THIS FORM REQUIRED FOR PROPOSED GROUND WATER IRRIGATION ONLY)



NAME Melvin Puffer

ADDRESS Hitchcock

COUNTY Beadle

LEGAL DESCRIPTION

1. WELL LOCATION SE 1/4 20-113-62
2. LOCATION OF AREA TO BE IRRIGATED SE 1/4 20-113-62 NE 1/4 17-113-62

TYPE OF IRRIGATION

3. GRAVITY TOWLINE CENTER PIVOT ✓ GUN
4. CROPS TO BE IRRIGATED Alfalfa & corn

WATER QUALITY

5. SAMPLE NUMBER 1102
6. SALINITY (EC X 10⁶) 1335 (high)
7. SODIUM (SAR) 4.37 (low-m)
8. RESIDUAL SODIUM CARBONATE (meq/l.) 0

I do hereby certify that a chemical analysis of the ground water representative of that used to irrigate shall be acquired from South Dakota State University and; the soils information has been acquired from Beadle Conservation District, County Extension office or Soil Conservation Service.
and:
that the legal description for the location of the well and land to be irrigated is true and correct.

Melvin Puffer
APPLICANT'S SIGNATURE

SUBSCRIBED AND SWORN BEFORE ME THIS
23 DAY OF August 19 76.

Robert J. [Signature]
(TITLE OR SEAL)

[Signature]
APPROVED/DISAPPROVED

(SOILS INFORMATION ON REVERSE SIDE)

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

Submitted by: Volvin Luffer
 Address: Hitchcock, SD 57348

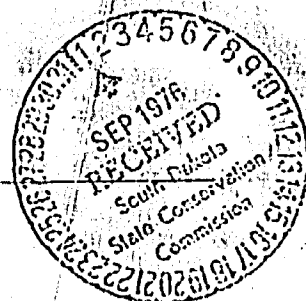
Date Rec'd: August 23, 1976
 Sample No. 76-1102
 Identification Cell-57'
REL, Sec. 17, T. 113N, R. 62W

WATER ANALYSIS

Calcium (Ca)	91	ppm*	4.50	me/l**
Magnesium (Mg)	19	ppm	1.56	me/l
Sodium (Na)	175	ppm	7.61	me/l
Potassium (K)	2	ppm	0.05	me/l
Sulfate (SO ₄)	380	ppm	7.90	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	90	ppm	2.52	me/l
Bicarbonate (HCO ₃)	193	ppm	3.16	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)	158	ppm (as CaCO ₃)		
Alkalinity (Phenolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	1335	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	4.37			
Sodium	55.46	% of cations		
Residual sodium carbonate	0.00	me/l		
pH	7.23			
Others:				

*ppm=parts per million
 **me/l=millequivalents per liter
 ***g.p.g.=grains per gallon

COMMENTS: Total cations 13.72 me/l
 Total anions 13.58 me/l



By: Shirley Hitten

Service Performed	Amount Due
Irrigation analysis	\$8.00 PAID

Make checks payable to: Water Quality Laboratory

Cut along dotted line and return the lower portion with payment

Sample No. 76-1102

Amount Enclosed \$

Signed

2975-

4350-3



Department of Natural Resource Development

WATER RIGHTS COMMISSION

Joe Foss Building, Pierre, South Dakota 57501

Phone 605/773-3151

June 22, 1979

Melvin Puffer
Hitchcock, SD 57348

Dear Mr. Puffer:

SDCL 46-1-14 authorizes the Water Rights Commission to issue amended permits recognizing the date of priority of the original application if certain conditions are met:

At the May 24, 1979 Commission Meeting, the Commission reviewed the amended permits that had been issued with the later priority, and granted the earlier priority date to such amended permits.

By this action, the priority date for your Permit No. 4350-3 was established as September 3, 1976 instead of December 26, 1978 as now shows on your copy of the Permit.

If you have questions regarding this action, feel free to contact this office.

Very truly yours,

JOHN HATCH, Chief Engineer
Water Rights Commission

JH/gy

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

No. 2975-3

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Beadle) ss.

I, Dorothy Murphy hereby

certify that the annexed printed copy of Notice of Intent to Appropriate

Water was taken from the Huron Daily Plainsman

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 Huron

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

September 20, 1976

September 27, 1976

Dorothy Murphy
(Signature)

Bookkeeper
(Title)

September 27, 1976
(Date Signed)

F.P. 9-2076-3 (L.P. 9-27-76)
NOTICE OF INTENT TO
APPROPRIATE WATER
Pierre, South Dakota 57501
September 19, 1976
Notice is hereby given that Melvin
Puffer, whose post office address is
Hitchcock, South Dakota, has made
an application in accordance with
the provisions of the water laws of
South Dakota for a permit to ap-
propriate for beneficial use, 9 cubic
feet of water per second of time from
ground through the Puffer No. 2, the
point of diversion of which is to be
located in the center of the SE 1/4 of
Section 17, Twp. 113N, Range 62W,
Said water to be used for the purpose
of providing irrigation on portions of
the following described land: SE 1/4
Section 17, T113N, R62W, S24, 2472.
This application No. 2975-3 will be
considered by the Water Rights
Commission at their office at Pierre,
upon the 29th day of September,
1976, at 10:00 A.M. All interested
persons may appear and be heard.
WATER RIGHTS COMMISSION
By Burton F. Jones
Water Right's Specialist
No. 511 (adv.)



No. ~~2975-3~~

Publish first publication, on or before ~~September 29~~, 19~~76~~

NOTICE
INTENT TO APPROPRIATE WATER

Pierre, South Dakota 57501

~~September 10~~, 19~~76~~

Notice is hereby given that Melvin Puffer
whose post office address is Hitchcock, 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

1.9 cubic feet of water per second of time from the ground through the
Puffer # 2, the point of diversion of which is to be located in the

Center of the SE 1/4
of Section 17, Twp. 113N, Range 62W. Said water to be used for the purpose
of providing irrigation on ^{portions of} the following described land:

SE 1/4, Section 17, T113N, R62W

This application No. ~~2975-3~~ will be considered by the Water Rights Commission at their office at
Pierre upon the 29th day of September, 19~~76~~, at 10:00 A.M. All interested
persons may appear and be heard.

WATER RIGHTS COMMISSION

By:

BURTON F. JONES
Water Rights Specialist

BFJ/hw

cc:

Melvin Puffer, Hitchcock, S. D. 57438



Department of Water & Natural Resources

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

August 8, 1979

Malvin Puffer
Hitchcock, SD 57348

Dear Mr. Puffer:

Enclosed herewith are, Water License No. 4350-3 and Certificate of Construction.

Water License No. 4350-3 is the final water right document completing your process of obtaining a water right.

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

Very truly yours,

JOHN HATCH, Chief Engineer
Water Rights, WMD

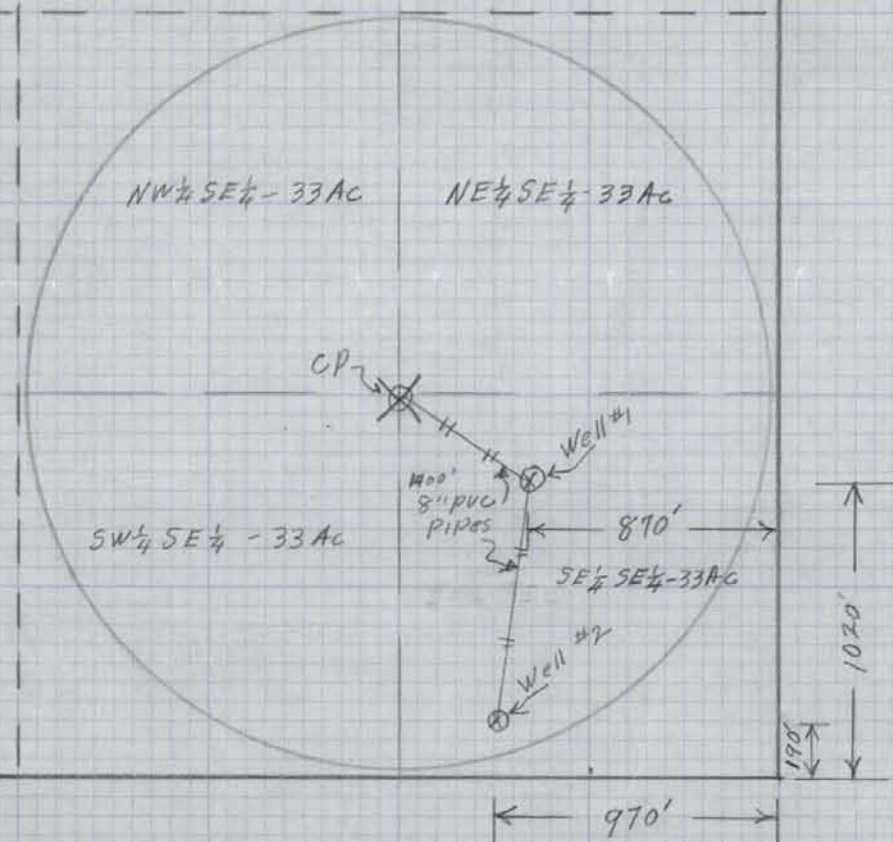
JH:gy

enclosures

NOTE: Permit No. 2975-3 has been incorporated into this Water License No. 4350-3 and Permit No. 2975-3 has been cancelled.

Section 17 113N 62W

Prepared by
Dick Ladgen
Beadle Co. Agent
30 Aug. '76



X proposed well location

Appl. 4350-3

MAP NO Z304.3 APPCN-2475