

Water Right Number 3113-3

1. Considered 11-17, 19 76
2. Name of Applicant ROBERT G. FREEBURG
3. Post Office Address FRANKFORT
4. Amount of water claimed 2.10
5. Source of water supply 59' DEEP WELL
6. Water to be used for IRRIGATION
Acres to be irrigated 150
7. Water to be diverted and used in SPINK County
about 1 1/2 Miles of FRANKFORT
8. Proof of Publication Received 11-15-76
Not received _____

3113-3 Robert G. Freeburg
10-17-76 Well at 59' depth; 20' to 4' water
Capacity 450 gpm. Capacity 1 to 2 m.
Pump 10 hp. Submersible
10' to 40' ft.

Well at 59' depth; 20' to 4' water
Capacity 450 gpm.
Depth 59' ft. to water table
7 1/2' submersible

By: [Signature] of [Signature] Attorney
No. 177-2240. LHM 700 Lpp. 349A
No. 700 Lpp. 455 Lpp. 250 Lpp.
No. 700 Lpp. 455 Lpp. 250 Lpp.
50 Lpp. 2515 Lpp.

CP. Utility model 2171, LHM 212-8

50' LHM 1304 Lpp. 1 1/2' from 24' to 25'.

No. 3113-3Map No. 2437.3 Water Division No. 3 JAMES RIVER District _____
(Blanks to be filled by the Engineer for the W. H. 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 G. Freeburg
 Postoffice address Frankfort, State South Dakota 57440
 If a corporation show date and place of incorporation _____
2. Method of accomplishing work (contract, employment of others, or by direct labor) Direct Labor
3. Name of diversion work Robert G. Freeburg - Unit #1
4. Amount of water claimed (cubic feet per second) 2.1
5. Source of water supply Ground Water
6. Location of point of diversion IN THE CENTER OF THE SW 1/4 SECTION 3, T116N R67W
- County Spink
7. Annual period or periods during which water is to be used March - November
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 150

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

Land Description	No. Acres Irr.	Land Description	No. Acres Irr.
SW 1/4 of 3-116-62	150		

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 Redfield Press, Redfield, South Dakota
12. Principal Features of the Proposed Water Supply System.

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

Pump Bowl

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

Main Line

C. Works proposed to apply water to beneficial use.

Center Pivot

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 Spink)I, Robert G. Freeburg, 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 G. FreeburgSubscribed and sworn to before me this 24 day of September 19 76James G. O'Leary
Notary Public (or other qualified officer)Commission expires 11-6-78

WATER RIGHT APPLICATION APPROVAL

The Water Rights Commission hereby approves Water Right Application No. 3113-3

ROBERT G. FREEBURG
(Applicant)

FRANKFORT, SD 57440
(Post Office Address)

SOUTH DAKOTA 57440
(State)

With the following modifications:

The irrigation well approved under this Permit is located near domestic 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.

*In also
4376-3*

Date of first receipt of application OCTOBER 1, 1976

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

Date of receipt of corrected application OCTOBER 21, 1976

Approved NOVEMBER 17, 1976, Recorded in Book 16 Page 205

WATER RIGHT PERMIT NO. 3113-3

The Water Rights Commission hereby grants and issues this Water Right Permit No. 3113-3 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 OCTOBER 1, 1976
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before NOV 17, 1979
3. The whole of said work is to be completed on or before NOVEMBER 17, 1981
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith NOVEMBER 17, 1983
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 2.10 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 NOVEMBER 17, 1983; said water to be used during the following described annual period: MARCH - NOVEMBER

Witness my hand this 21st day of DECEMBER, 1976

WATER RIGHTS COMMISSION

By:

John H. Holt
Chief Engineer, Executive Officer

Certificate of Construction Issued _____, 19____

Water License Issued _____, 19____

HURON DRILLING INC. DRILLERS LOG

PAGE NO.

Robert G. Freeburg - #1

3-116-62-Spink

9/20/76

10

Lloyd Peterson

JOB NAME

LOCATION

DATE _____

RIG NO.

FOREMAN, Jr.

[illegible]

Form 2A - Wells, Dugouts or Water Storage Dams (Supplement to form 2)

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. *Log will be furnished by driller

(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 2240 rds. On property owned by others 246 rds.

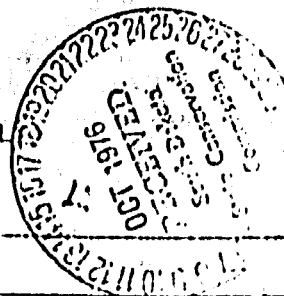
G. Water Storage Dams.

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.


Signature of Applicant

EXAMINATION
715510X1
FORM W1 #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 GROUND WATER IRRIGATION ONLY)



NAME Robert G. Freeburg

ADDRESS Frankfort, South Dakota 57440

COUNTY Spink

LEGAL DESCRIPTION

1. WELL LOCATION Center of SW 1/4 of 3-116-62
2. LOCATION OF AREA TO BE IRRIGATED SW 1/4 of 3-116-62

TYPE OF IRRIGATION

3. GRAVITY _____ TOWLINE _____ CENTER PIVOT X GUN _____
4. CROPS TO BE IRRIGATED Corr, Alfalfa, Small Grain

WATER QUALITY

5. SAMPLE NUMBER 76-1494
6. SALINITY (EC X 10⁶) 159.6 (High)
7. SODIUM (SAR) 3.81 (Low-medium)
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 Spink 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.

SUBSCRIBED AND SWORN BEFORE ME THIS
____ DAY OF _____ 19 ____.

(TITLE OR SEAL)

APPLICANT'S SIGNATURE: this project can be carried out under the best of all circumstances. Individual management to a large degree, determine the relative success of this venture.

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: Robert G. Froeburg
 Address: Frankfort, SD 57440
 co: Huron Drilling, Inc.
 P.O. Box 1422
 Huron, SD 57350

Date Rec'd: September 29, 1976
 Sample No.: 76-1496
 Identification: #1 Well
 SW 1/4, Sec. 3, T 116N, R 62W

WATER ANALYSIS

Calcium (Ca)	122	ppm*	6.10	me/l**
Magnesium (Mg)	70	ppm	5.74	me/l
Sodium (Na)	213	ppm	9.27	me/l
Potassium (K)	13	ppm	0.34	me/l
Sulfate (SO ₄)	740	ppm	15.39	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	29	ppm	0.81	me/l
Bicarbonate (HCO ₃)	425	ppm	6.96	me/l
Carbonate (CO ₃)		ppm		me/l
Iron (Fe)		ppm		me/l
Fluoride (F)		ppm		me/l
Hardness (EDTA as CaCO ₃)		ppm		me/l
Alkalinity (Methyl Orange)	348	ppm (as CaCO ₃)		g.p.g.***
Alkalinity (Phenolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	1896	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	3.81			
Sodium	43.2	% of cations		
Residual sodium carbonate	0.00	me/l		
pH	7.82			

*ppm=parts per million

**me/l=millequivalents per liter

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

COMMENTS: Total cations 21.45 me/l
 Total anions 23.16 me/l

By: Shirley Kitten

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. 76-1496

Amount Enclosed \$

Signed

October 13, 1976

Mr. Robert G. Freeburg
Frankfort, SD 57440

Dear Mr. Freeburg:

Your water sample (Lab. No. 76, 296) has been analyzed and the results are reported on the accompanying sheet, which is your copy to keep.

I am also enclosing a copy of AES pamphlet #13 for your use. The quality of your water for irrigation use is plotted approximately by means of the red cross in the chart on the outside back cover.

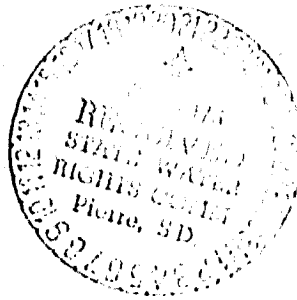
This water is marginal for use on the soils you intend to irrigate and should be considered for use only under the following conditions:

- (1) It will be used no more than 3 times (preferably less) in any growing season.
- (2) The soil will be completely filled with water so natural leaching can occur, by irrigating in the late fall just before freeze-up, at least one year out of 3.
- (3) Water applications will be made each irrigation to completely re-wet the entire depleted soil within the rooting zone of the crop being grown. This may require 3-5 inches of water each irrigation with fine soils.
- (4) If a salt problem or soil dispersion occurs, contact extension personnel or this office for management recommendations.

Sincerely yours,

L. O. Fine
L. O. Fine
Water Quality Lab

LOP:clb
Enclosures
cc: State Conservation Commission



Form 6 - Notice of Intent to Appropriate Water

No. 3113-3

Publish first publication, on or before November 4, 1976

NOTICE
INTENT TO APPROPRIATE WATER

Pierre, South Dakota 57501

October 25, 1976

Notice is hereby given that Robert G. Presburg
whose post office address is Frankfort, 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
Presburg, the point of diversion of which is to be located in the
Center of the 3rd
of Section 3, Twp. 16N, Range 62W: Said water to be used for the purpose
of providing irrigation on portions of the following described land:

SW 1/4, Section 3, T16N, R62W

This application No. 3113-3 will be considered by the Water Rights Commission at their office at
Hotel, Huron Pierre upon the 17th day of November, 1976, at 10:00 A. M. All interested
persons may appear and be heard.

WATER RIGHTS COMMISSION

By:

BURTON F. JONES
Water Rights Specialist

BFJ/bw

cc: Robert G. Presburg, Frankfort, S.D. 57440

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

No. 3113-3

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Spirit) ss.

I, Harold D Jones hereby
certify that the annexed printed copy of Notice of Intent to Appropriate
Water was taken from the Redfield Press

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 Redfield

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

November 4, November 11

Harold D Jones
(Signature)

Editor
(Title)

November 11, 1976
(Date Signed)

No. 74

No. 3113-3
Publish first publication,
on or before
November 4, 1976

NOTICE OF
INTENT TO
APPROPRIATE WATER
Pierre, South Dakota 57501
October 25, 1976
Notice is hereby given that
Robert G. Freeburg, whose post
office address is Frankfort, 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
Freeburg, the point of diversion
of which is to be located in the
Center of the SW 1/4 of Section 3,
Twp. 116N, Range 62W. Said
water to be used for the purpose
of providing irrigation on por-
tions of the following described
land: SW 1/4, Section 3, T116N, R62W.
This application No. 3113-3 will
be considered by the Water
Rights Commission at The
Marlyn Hughton Hotel, Huron, on
the 17th day of November, 1976,
at 10:00 A. M. All interested
persons may appear and be
heard.

WATER RIGHTS
COMMISSION

By: BURTON F. JONES
Water Rights
Specialist

BFJ-bw
cc: Robert G. Freeburg,
Frankfort, S. D. 57440
(November 4, 11)



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

Joe Foss Building
523 Eng. Capitol
Pierre, South Dakota 57501

WATER RIGHTS DIVISION
Phone (605) 773-3352

No. 4376-3

October 15, 1984

Mr. Freeburg

Frankfort, South Dakota 57440

Dear Mr. Freeburg:

Enclosed herewith is Water License No. 4376-3. 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. 3113-3 have been incorporated into this Water License No. 4376-3.

WNR-217 3/83