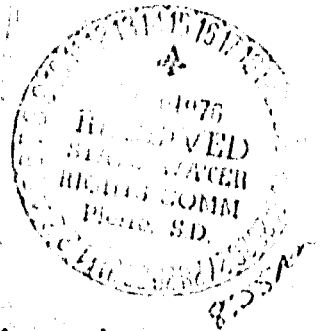


Water Right Number 3261-3

1. Considered 1-26, 19 77
2. Name of Applicant WILLIS FRANKENSTEIN
3. Post Office Address REDFIELD
4. Amount of water claimed 2.2
5. Source of water supply 64' WELL
6. Water to be used for IRRIGATION
Acres to be irrigated 160
7. Water to be diverted and used in SPINK County
about SE, 31 Miles of TULARE
8. Proof of Publication
Received 1-16-77
Not received _____
9. Application
Approved _____
Subject to _____
Not approved _____
Action deferred _____

10. Remarks:

No. 3261-5
 Map No. 2548-3 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 Willis R. Frankenstein
 Postoffice address Rt. 2, Redfield, State South Dakota 57151
 If a corporation show date and place of incorporation _____
 2. Method of accomplishing work (contract, employment of others, or by direct labor) Contract and direct labor
 3. Name of diversion work FRANKENSTEIN #3
 4. Amount of water claimed (cubic feet per second) 2.7
 5. Source of water supply Ground water
 6. Location of point of diversion CENTER SW 1/4 Sec 14, 115N-63W

 _____ County Spink

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 SW 1/4 Sec 14, 115-63	40		
SW 1/4 SW 1/4 Sec 14, 115-63	40		
SE 1/4 SW 1/4 Sec 14, 115-63	40		
NE 1/4 SW 1/4 Sec 14, 115-63	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.

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, Willis R. Frankenstein, 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 Willis R. FrankensteinSubscribed and sworn to before me this 10th day of October, 1976

Notary Public (or other qualified officer)

WATER RIGHT APPLICATION APPROVAL

The Water Rights Commission hereby approves Water Right Application No. 3261-3
WILLIS R. FRANKENSTEIN R.R.#2, REDFIELD
 (Applicant) (Post Office Address)
SOUTH DAKOTA 57469 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 adequate domestic wells or in irrigation wells having prior water rights.

Date of first receipt of application OCTOBER 15, 1976
 Date of return to applicant for correction, amendments or changes required —, 19 —
 Date of receipt of corrected application NOVEMBER 3, 1976
 Approved JANUARY 27, 1977, Recorded in Book 17 Page 64

WATER RIGHT PERMIT NO. 3261.3

The Water Rights Commission hereby grants and issues this Water Right Permit No. 3261.3 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 15, 1976
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before JULY 27, 1979
3. The whole of said work is to be completed on or before JANUARY 27, 1982
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is JANUARY 27, 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 2.2 cubic feet per second; neither shall it exceed the capacity of the above described water supply system, nor shall it exceed the amount of water needed for beneficial uses served, and if for the irrigation purposes said appropriation must be limited to not more than 3 acre feet per acre per year and be limited to not more than one-seventieth (1/70) of one cubic foot of water per second of time for each acre of land to which water is actually and beneficially applied for irrigation on or before JANUARY 27, 1984; said water to be used during the following described annual period: APRIL THRU OCTOBER

Witness my hand this 7TH day of APRIL, 1977

WATER RIGHTS COMMISSION

By:

John H. Hark
 Engineer, Executive Officer

Certificate of Construction Issued —, 19 —

Water License Issued —, 19 —

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 27", Depth 64'
(2) Casing, Type Steel Diameter 16 Thickness
(wood, concrete, steel, etc)
(3) Perforated Screen.
Type Pinhole stainless steel, Diameter 16", Length 30'
(4) Gravel Pack, Thickness 7", Length of gravel pack 41'

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 0-23' Top
23'-51' medium sand
51'-64' Clay, sand, gravel

Depth to top of water bearing material 23'

Depth to bottom of water bearing material 64'

Thickness of water bearing material 41'

Depth to water (ground surface to water level) 24'

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

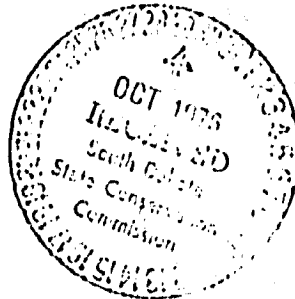
On same owner's property 100 rds. On property owned by others 160 rds.

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.

Willis R. Frankenstein
Signature of Applicant

October 26, 1976



Mr. William R. Frankenstein
R.R. #2
Radfield, SD 57469

Dear Mr. Frankenstein:

Your water sample (Lab. No. 76-1566) 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 AEC 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.

Your water, as indicated by this analysis, is satisfactory for use on the soils you indicate will be irrigated. If a salt problem or a water table problem should develop, contact extension personnel for assistance.

The WI-1, soils information, and a copy of the water analysis are being forwarded 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

P.S. You should keep a permanent cover on the steeper soil areas in the south and SW part of the quarter. Grass-alfalfa mixtures would give the best return.

CONSERVATION
COMMISSION
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 Willis R. Frankenstein

ADDRESS Rt. 2 Redfield, South Dakota 57469

COUNTY Spink

LEGAL DESCRIPTION

1. WELL LOCATION SW 1/4 Sec 14, 115W-63N
2. LOCATION OF AREA TO BE IRRIGATED SW 1/4 Sec 14, 115W-63N

TYPE OF IRRIGATION

3. GRAVITY _____ TOWLINE _____ CENTER PIVOT X GUN _____
4. CROPS TO BE IRRIGATED Corn

WATER QUALITY

5. SAMPLE NUMBER 76-1566
6. SALINITY (EC X 10⁶) 1099 (moderately high)
7. SODIUM (SAR) 0.48 (low)
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
7 DAY OF November 1976.

Dick Hansen - Spink Conservation District Sec.
(TITLE OR SEAL)

Willis R. Frankenstein
APPLICANT'S SIGNATURE
out process by each community and individual management will, to a large degree, determine the relative success of this venture.
Albert J. Smith
APPROVED/DISAPPROVED U

(SOILS INFORMATION ON REVERSE SIDE)

RESERVATION
MISSION
RM 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 Willis P. Frankenstein

ADDRESS Box 2, Redfield, South Dakota 57459

COUNTY Spink

LEGAL DESCRIPTION

1. WELL LOCATION SW 1/4 Sec 14, 115W-63N

2. LOCATION OF AREA TO BE IRRIGATED SW 1/4 Sec 14, 115W-63N

TYPE OF IRRIGATION

3. GRAVITY _____ TOWLINE _____ CENTER PIVOT X GUN _____

4. CROPS TO BE IRRIGATED Corn

WATER QUALITY

5. SAMPLE NUMBER _____

6. SALINITY (EC X 10⁶) _____

7. SODIUM (SAR) _____

8. RESIDUAL SODIUM CARBONATE (meq/l.) _____

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.

Willis P. Frankenstein
APPLICANT'S SIGNATURE

SUBSCRIBED AND SWORN BEFORE ME THIS
7 DAY OF October 19 76.

Richard J. Anderson, Spink Conservation District Sec.
(TITLE OR SEAL)

Approval does not imply that this project can be carried out successfully in all circumstances. Irrigation management will 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: Willis Frankenstein
 Address: Rt. 2
Earfield, SD 57469

Date Rec'd: October 11, 1976
 Sample No.: 76-1566
 Identification: _____

WATER ANALYSIS

Calcium (Ca)	176	ppm*	8.80	me/l**
Magnesium (Mg)	64	ppm	5.25	me/l
Sodium (Na)	29	ppm	1.26	me/l
Potassium (K)	5	ppm	0.13	me/l
Sulfate (SO ₄)	285	ppm	5.93	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	21	ppm	0.59	me/l
Bicarbonate (HCO ₃)	415	ppm	6.80	me/l
Carbonate (CO ₃)		ppm		me/l
Iron (Fe)		ppm		me/l
Fluoride (F)		ppm		8-p.p.g.***
Hardness (EDTA as CaCO ₃)		ppm		
Alkalinity (Methyl Orange)	340	ppm (as CaCO ₃)		
Alkalinity (Phenolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	1099	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	0.48			
Sodium	8.16	% of cations		
Residual sodium carbonate	0.00	me/l		
pH	7.29			
Others:				

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



COMMENTS: Total cations 15.44 me/l
 Total anions 13.32 me/l

By: Shirley Kitten

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. 76-1566 Amount Enclosed \$
 Signed

Form 6 - Notice of Intent to Appropriate Water

In 3261-3

Publish first publication, on or before January 15, 1977

NOTICE
INTENT TO APPROPRIATE WATER

Pierre, South Dakota 57501

January 15, 1977

Notice is hereby given that Willis Frankenstein
whose post office address is Redfield, 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
2.2 cubic feet of water per second of time from the ground water through the
Frankenstein # 3, the point of diversion of which is to be located in the

center of the SW 1/4

of Section 14, Twp. 115N, Range 63W. Said water to be used for the purpose
of providing irrigation on the following described land:

SW 1/4, Section 14, T115N, R63W

This application No. 3261-3 will be considered by the Water Rights Commission at their office at
Pierre upon the 26th day of January, 1977, 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:

Willis Frankenstein, R.R. # 2, Redfield, SD 57469

No. _____

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
) ss.
County _____)

I, Branda Haskett hereby

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

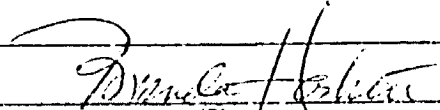
Water was taken from the Huron Daily Plainsman

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:

Jan. 5, 1977 Jan. 12, 1977


(Signature)

Bankkeeper
(Title)

1-12-77
(Date Signed)

F.P. 1-5-77 L.P. 1-12-77

**NOTICE INTENT TO
APPROPRIATE WATER**
Pierre, South Dakota 57501
December 30, 1976

Notice is hereby given that Willis Frankenstein whose post office address is Redfield, 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 2.2 cubic feet of water per second of time from ground water through the Frankenstein No. 3, the point of diversion of which is to be located in the center of the SW 1/4 of Section 14, Twp. 115N, Range 63W. Said water to be used for the purpose of providing irrigation on portions of the following described land: SW 1/4, Section 14, T115N, R63W.

This application No. 3261-3 will be considered by the Water Rights Commission at their office at Pierre upon the 26th day of January, 1977, at 10:00 A.M. All interested persons may appear and be heard.

WATER RIGHTS COMMISSION
BURTON F. JONES
Water Rights Specialist
No. 779 (adv.)



No. 3261-3A

3261-3

SOUTH DAKOTA
Department of
Water & Natural Resources
Joe Foss Building Water Rights Division (605) 773-3352
Pierre, South Dakota 57501

September 10, 1982

Willis Frankenstein
Rt 2, Box 66
Redfield SD 57469

Dear Mr. Frankenstein:

Enclosed herewith are, Water License No. 3261-3A and Certificate of Construction.

Water License No. 3261-3A 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
JOHN HATCH, Chief Engineer
Water Rights Division

JH:ks

enclosures

* The applicable portions of Permit No. 3261-3 have been incorporated into this Water License No. 3261-3A

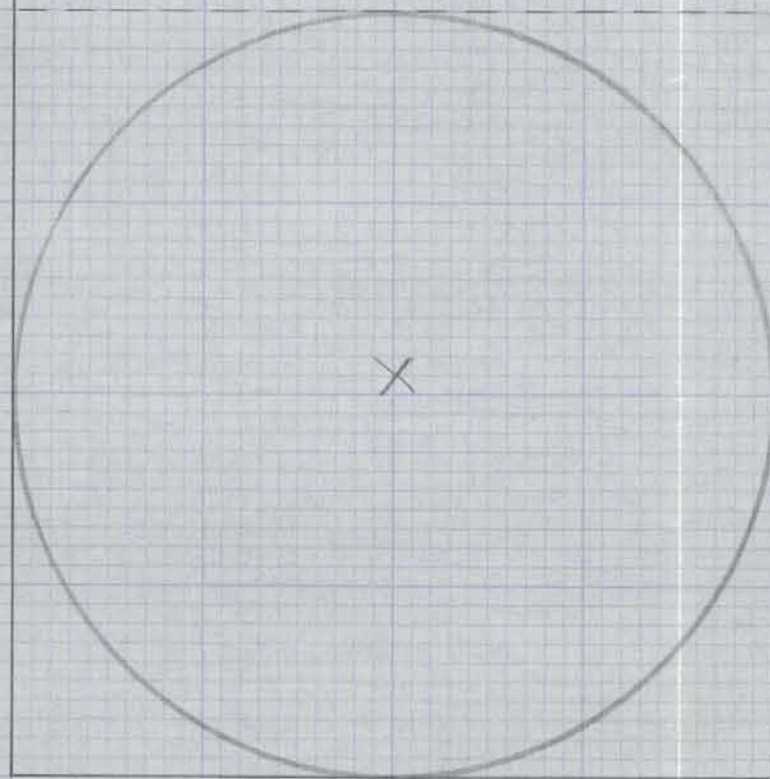
Willis R Frankenstein
Rt 2 Redfield, S.D.

Prepared by:
Dick Fodgen
~~Dick Fodgen~~
Beadle Co.
Extension Agent
2 October '76

Section 14 115 N-63 W



X proposed well location



NOT TO SCALE

3261-3
3A

78.0

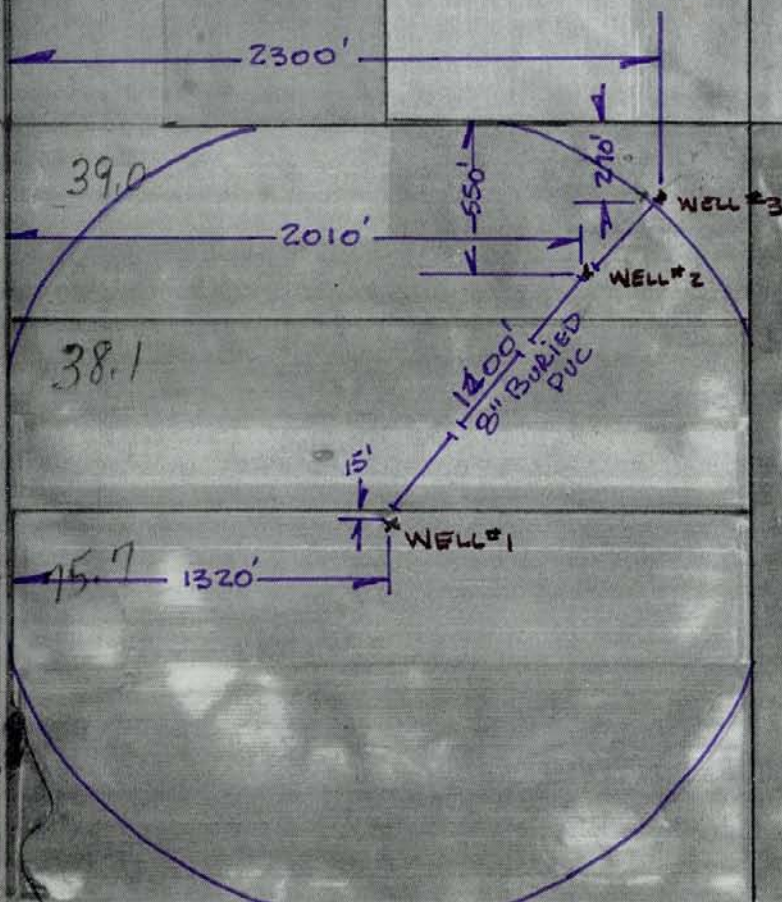
77.4

77.0

T 74.0

579.84R

14



86.9

49.9

115-63

NC

7.2

44.5