

1. Considered 1-25-78
2. Name of Applicant CRAIG WOLLMAN
3. Post Office Address FRANKFORT
4. Amount of Water claimed 2.20
5. Source of Water supply 180' DEEP WELL
6. Water to be used for IRRIGATION
- Acres to be irrigated 160
7. Water to be diverted and used in SPINK County
about 7E, 7S miles of FRANKFORT
8. Proof of Publication Received 1-20-78
Not Received _____
9. Application Approved 1-31-79
Subject to well entry
Not Approved _____
Action Deferred _____

10. Remarks:

No. 4203-3Map No. 3427-3 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 Craig Wollman
 Postoffice address Frankfort State S. Dak. 57440
 If a corporation show date and place of incorporation NO
2. Method of accomplishing work (contract, employment of others, or by direct labor) direct labor
3. Name of diversion work Craig Wollman
4. Amount of water claimed (cubic feet per second) 22 (1000 per minute)
5. Source of water supply well
6. Location of point of diversion CENTER. NW 1/4 of 21-115-61

7. Annual period or periods during which water is to be used March to November County Spink
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.
<u>NW 1/4 of 21-115-61</u>	<u>160</u>		

Attach sheet if more space is needed

10. Time required to complete construction of water supply system _____ 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
12. Principal Features of the Proposed Water Supply System.

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

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

C. Works proposed to apply water to beneficial use.

Estimated Total Cost 50,000.00Attachments: Attach Form 2A if diversion from a well or deposit, or if storage of water, is proposed. Attach map.
(See instructions concerning preparation.)

STATE OF SOUTH DAKOTA

County of SpinkI, Craig Wollman 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 Craig WollmanSubscribed and sworn to before me this 16 day of Dec 19 77
Barbara A. Lott
 Notary Public (or other qualified officer)
 Dp. Reg. of Deeds

WATER RIGHT APPLICATION APPROVAL

The Water Rights Commission hereby approve Water Right Application No. 4203-3

CRAIG WOLLMAN
(Applicant)

FRANKFORT
(Post Office Address)

SOUTH DAKOTA 57440 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 DECEMBER 20, 19 77

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

Date of receipt of corrected application JANUARY 3, 19 78

Approved JANUARY 31, 19 79, Recorded in Book 20 Page 162

WATER RIGHT PERMIT NO. 4203-3

The Water Rights Commission hereby grants and issues this Water Right Permit No. 4203-3 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 DECEMBER 20, 19 77
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before JULY 31, 19 79
3. The whole of said work is to be completed on or before JANUARY 31, 19 80
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is JANUARY 31, 19 82
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 2.20 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 31, 19 82; said water to be used during the following described annual period: MARCH - NOVEMBER

Witness my hand this 20th day of FEBRUARY, 19 79

WATER RIGHTS COMMISSION

By:

John Hatch
Chief Engineer, Executive Officer

Certificate of Construction Issued _____, 19 _____

Water License Issued _____, 19 _____

EMPIRE

IRRIGATION DRILLING CO.

FRANKFORT, SOUTH DAKOTA

PHONE 472-0384

AK.
D.F.

DRILLING REPORT

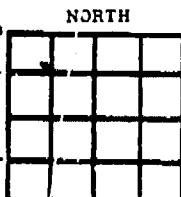
Location of Well: Harrison Twp 1/4, NW 1/4, Section 21, Township 115, Range 61

Well to be drilled for: Craig Wallman (Name) Doland (Address)
Spink (County) S. Dak. (State)

Date well drilling started 12-2-77 finished _____

Purpose of well Irr. test hole
(domestic, irrigation, industrial, other)

Depth 128 ft. Casing Diameter 2 1/2 inches
Slot Size _____ Screen Size _____
Screen Depth: From 118 ft. to 128 ft.
Remarks: _____



REPORT OF FINAL PUMPING TEST

Write Additional Times and Readings on Back of Page

Elapsed Time From Start of Pumping		Water Level		Discharge
0 hr.	0 min.	<u>25</u> ft.	in.	(Static)
hr.	min.	ft.	in.	GPM
hr.	min.	ft.	in.	GPM
hr.	min.	ft.	in.	GPM
hr.	min.	ft.	in.	RECOVERY

Took water sample 1 Mile

Formation: Clay, Silt, Sand, Gravel, Col., Hard or Soft, etc.	Depth (ft.)		Formation (Continued)	Depth (ft.)	
	From	To		From	To
<u>Top Soil</u>	<u>0</u>	<u>2</u>	<u>Took water sample</u>		
<u>Clay</u>	<u>2</u>	<u>19</u>			
<u>med Sand</u>	<u>19</u>	<u>22</u>			
<u>Clay</u>	<u>22</u>	<u>35</u>			
<u>gravel</u>	<u>35</u>	<u>37</u>			
<u>clay</u>	<u>37</u>	<u>48</u>			
<u>Sand</u>	<u>48</u>	<u>49</u>			
<u>clay</u>	<u>49</u>	<u>57</u>			
<u>Sand</u>	<u>57</u>	<u>59</u>			
<u>clay</u>	<u>59</u>	<u>73</u>			
<u>Fine Sand</u>	<u>73</u>	<u>79</u>			
<u>clay</u>	<u>79</u>	<u>105</u>			
<u>Fine Sand</u>	<u>105</u>	<u>140</u>			
<u>Med Sand - (Coal)</u>	<u>140</u>	<u>180</u>			

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

D. Well Information or Estimates

(1) Drill Hole, Diameter 4", Depth 180 feet

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

(3) Perforated Screen.
Type _____, Diameter _____, Length _____

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

Test Well

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 _____

Sand & Gravel

Depth to top of water bearing material 37 feet

Depth to bottom of water bearing material 180 feet

Thickness of water bearing material 143 feet

Depth to water (ground surface to water level) 25 feet

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

On same owner's property 120 rds. On property owned by others 240 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.

Craig Wallman

Signature of Applicant

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 Craig Wollman
ADDRESS Frankfurt, S. Dak. 57440
COUNTY Spink

LEGAL DESCRIPTION

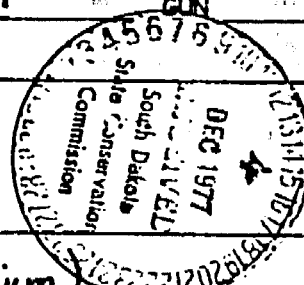
1. WELL LOCATION NW 1/4 of 21-115-61
2. LOCATION OF AREA TO BE IRRIGATED NW 1/4 of 21-115-61

TYPE OF IRRIGATION

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

WATER QUALITY

5. SAMPLE NUMBER 77-1603
6. SALINITY (EC X 10⁶) 75.3 (high-medium)
7. SODIUM (SAR) 0.73 (low)
8. RESIDUAL SODIUM CARBONATE (meq/l.) 0.0
(Adj. SAR = 1.85)



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 _____ 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.

Craig Wollman
APPLICANT'S SIGNATURE

SUBSCRIBED AND SWORN BEFORE ME THIS
5 DAY OF Dec 19 77

Barbara A. Lovett
(TITLE OR SEAL) Sp. Reg. & Sec.

Albert J. [Signature]
APPROVED/

(SEE INFORMATION ON REVERSE SIDE)

Copy to Applicant - 1
Copies to Water Rights - 2
Copy to File - 1

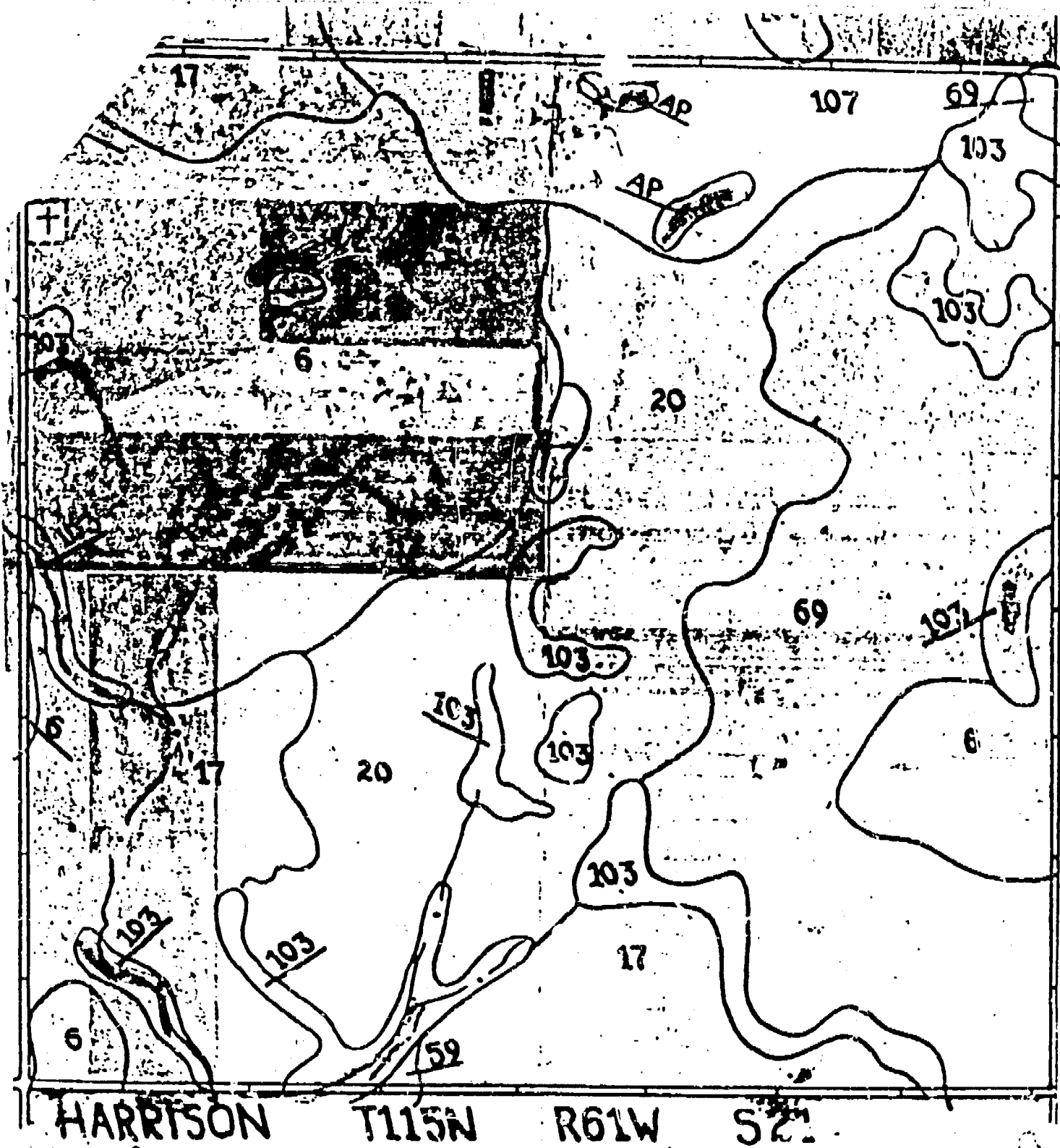
MAP

Robert A. Sampson
 Spink Co. E. M. Agent
 Reedhead. P. Leach
 57469

No. 6	8%	1200-4500
No. 17	5%	1500
No. 107	5%	2300
	<u>100%</u>	1200-4500

NARRATIVE

- No. 6 ^{3 family} Beadle Salt Loan (Nearby level 0-190)
 Fair prospect for irrigation
- No. 17 ^{5 family} Beata Salt Loan, Full Substratum
 Good for Irrigation (Level 0-190)
- No 107 ⁶⁻¹ Wasington Loan (Nearby level 0-790)
 Good for Sprinkler Irrigation



Robert S. Lampen
 Spink Co. L. & T. Agent
 Redfield, S. Dak.
 57467



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

Submitted by: Craig Mollman
 Address: Frankfort, SD 57440

Date Rec'd: December 7, 1977
 Sample No. 77-1603
 Identification Well-
NW 1/4, Sec. 21, T 115, R 61W

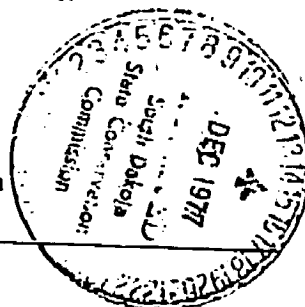
WATER ANALYSIS

Calcium (Ca)	167	ppm*	8.35	me/l**
Magnesium (Mg)	20	ppm	1.64	me/l
Sodium (Na)	37	ppm	1.61	me/l
Potassium (K)	6	ppm	0.16	me/l
Sulfate (SO ₄)	142	ppm	2.96	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	6	ppm	0.17	me/l
Bicarbonate (HCO ₃)	393	ppm	6.44	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)	322	ppm (as CaCO ₃)		g.p.g.***
Alkalinity (Phenolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	753	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	0.72			
Sodium	13.69	% of cations		
Residual sodium carbonate	0.00	me/l		
pH	7.80			
Others:				

*ppm=parts per million

**me/l=millequivalents per liter

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



COMMENTS: Total cations 11.76 me/l
 Total anions 9.57 me/l

By: Shirley Mittan

Service Performed

Amount Due

Irrigation analysis

\$15.00 PAID

Make checks payable to: Water Quality Laboratory

Cut along dotted line and return the lower portion with payment

Sample No. 77-1603

Amount Enclosed \$

Signed

Form 6 - Notice of Intent to Appropriate Water
GROUND WATER

No. 4203-3

Publish first publication, on or before 1-12-78

NOTICE OF HEARING ON
APPLICATION TO APPROPRIATE WATER

Pierre, South Dakota 57501

January 6, 1978

Notice is hereby given that Craig Wollman whose post office address is Frankfort, South Dakota, has made an application in accordance with the provisions of SDCL 46-1-1 thru 46-1-8; 46-2-9 thru 46-2-11, 46-2-13; 46-5-1 thru 46-5-8, 46-5-10 thru 46-5-22, 46-5-41, 46-6-3, 46-6-5, 46-6-6.1, 46-6-10, 46-6-14 and Commission Rules ARSD 52:01:01:01 thru 52:01:01:13, for a permit to appropriate for beneficial use 2.2 cubic feet of water per second of time from ground water (1 well) through the Craig Wollman, the point of diversion of which is to be located in the center of NW 1/4

of Section 21, Twp. 115N Range 61W. Said water to be used for the purpose of providing irrigation on portions of the following described land:

NW 1/4 Section 21-T115N, R61W.

This Application No. 4203-3 will be considered by the Water Rights Commission at Pierre, South Dakota upon the 25 day of January, 1978 at 10 AM. The Commission is authorized to make a determination on this application at the hearing. All interested persons may appear and be heard. Any person who may be affected by a Commission decision who desires to present evidence or cross-examine witnesses according to SDCL 1-26 may notify the Commission in writing prior to the hearing or orally at the hearing.

NOTE: Final Proof of Publication must be received by the hearing date for the Commission to take action.

WATER RIGHTS COMMISSION

BETTY WESTLUND
Water Rights Specialist I

cc: Craig Wollman, Frankfort, SD 57440

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

No. 4203-3

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Spink) ss.

I, Roberta A. Jucklock
~~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 Spink and State of South Dakota;
that the said notice was published in said newspaper on the following
two dates:

JAN. 12, 1978

JAN 19, 1978

Roberta A. Jucklock
(Signature)

C. Clark
(Title)

JAN 19, 1978
(Date Signed)



No. 48

No. 4203-3

NOTICE OF HEARING
ON APPLICATION TO
APPROPRIATE WATER

Pierre, South Dakota 57501
January 6, 1978

Notice is hereby given that
Craig Wollman whose post office
address is Frankfort, South
Dakota, has made an application
in accordance with the provisions
of SDCL 46-1-1 thru 46-1-8; 46-2-9
thru 46-2-11, 46-2-13; 46-5-1 thru 46-
5-8, 46-5-10 thru 46-5-22, 46-5-41, 46-
6-3, 46-6-5, 46-6-5, 46-6-6.1, 46-6-10,
46-6-14 and Commission Rules
ARSD 52:01:01:01 thru
52:01:01:13, for a permit to ap-
propriate for beneficial use 2.2
cubic feet of water per second of
time from ground water (1 well)
through the Craig Wollman, the
point of diversion of which is to be
located on the corner of NW 1/4 of
Section 21, Twp. 11N, R. 10W.

Said water is to be used for the
purpose of irrigation on
portions of the following
described land:

NW 1/4 Section 21-T115N, R10W.
This Application No. 4203-3 will
be considered by the Water
Rights Commission at Pierre,
South Dakota, upon the 25 day of
January, 1978 at 10 A. M. The
Commission is authorized to
make a determination on this
application at the hearing. All
interested persons may appear
and be heard. Any person who
may be affected by a Commission
decision who desires to present
evidence or cross-examine
witnesses according to SDCL 1-36
may notify the Commission in
writing prior to the hearing or
orally at the hearing.

WATER RIGHTS
COMMISSION

BETTY WESTLUND
Water Rights
Specialist I

cc: Craig Wollman, Frankfort,
SD 57440

(January 12, 1978)

SPINK COUNTY
DEFERRED APPLICATIONS

January 24, 1978

There are at least three major glacial outwash aquifers in Spink county. Conditions vary from water table to artesian within a few miles in the same aquifer. One unnamed aquifer (East James) underlies a large area in eastern Spink County (East of the James River - West of Doland), another unnamed aquifer (Hitchcock) underlies much of the area north and east of Tulare south to Hitchcock and into Beadle county, and the third major aquifer is the Tulare which underlies western Spink county much of northwestern Beadle county and northeastern Hand county (see the sketch maps). Observation well records are available as far back as 1953 and irrigation has been successful in Spink county for more than 25 years.

TOTAL GROUND WATER PERMITS	161 - 370 CFS
Acreage	32,862
Deferred Applications	34 - 85 CFS
Undeveloped Permits	52 - 126 CFS
Possible Cancellations	14

The total number of permits has more than doubled during the last two years. The Water Rights Commission Staff recognized the significance of the undeveloped permits and at the February and March, 1977 meetings requested the Water Rights Commission to defer all applications until further studies could be made. The Staff drilled 23 new observation wells during 1977 and is continuing to gather information. Although a county ground water study has not been completed the development of the aquifers have already surpassed the water availability data gained from this level of study. A complete water budget computer analog model study of the Spink aquifers is needed.

DISCUSSION OF WATER LEVELS - SPINK COUNTY

TULARE AQUIFER

There are ten Water Rights Commission Observation Wells drilled into the Tulare aquifer in Spink County. Also, the Bureau of Reclamation has continuous recorders on two wells, one west of Tulare and the other south of Tulare with records available from 1953 to the present. The depths of sands and gravels vary from 40 to 100 feet with a maximum thickness of 100 feet. The aquifer is generally artesian and could possibly be hydraulically connected to the Hitchcock aquifer.

* ARTESIAN ** WATER TABLE	<u>Yearly Fluctuation</u>	<u>Historical Trend</u>
*HSB-66G	4 - 5'	1 - 2' Decline in last 10 yr. period
*SH-6	6 - 7'	3 - 4' Below normal-1 ft/yr last 3 yrs.
*SH-7	7 - 8'	2 - 3' Below normal - new low
*HSB-66H	8 - 13'	2 - 3' Below normal - new low
*HSB-66J	9 - 10'	3 - 4' Below normal
*SH-8	10 - 18'	6 - 7' Below normal
*SP-77G	17'	New Well-back to spring reading
*USGS-1	7 - 9'	2 - 3' Below normal
*USGS-2	9 - 15'	4 - 5' Below normal
*BD-76A	5'	New well-no trend

HITCHCOCK AQUIFER

There are eleven observation wells drilled into the water table Hitchcock aquifer. The depth to the sands and gravels rarely exceeds 70 feet and normally there are 30-60 feet of saturated sands and gravels. Recharge is accomplished by local runoff and the aquifer discharges into the James River and into Beadle County.

	<u>Yearly Fluctuation</u>	<u>Historical Trends</u>
HSB-66I	Less than 1'	Not affected
HSB-66K	Less than 1'	Not affected
HSB-66M	Less than 1'	W.L. Coming up-about normal
SH-9	Less than 1'	1 - 2' Below normal
SH-10	Less than 1'	About normal
SP-77F	Not established	New Well
SP-77X	Not established	New Well
SP-77W	Not established	New Well
SP-77H	Less than 1'	Only 1 yr. records- .4' decline
SP-77I	Less than 1'	Only 1 yr. records- .7' decline
BD-77A	Less than 1'	3 - 4' Below normal

EAST JAMES AQUIFER

The east James aquifer is a complicated system of sands and gravels with boundary conditions and is under water table conditions in some areas and under artesian conditions in other areas. The aquifer varies in thickness (30-80') and in depth (from surface to 100' to top of the formation). There are 16 observation wells drilled into the East James aquifer.

	<u>Yearly Fluctuation</u>	<u>Historical Trends</u>
SP-77J	Less than 1'	New well - 1' decline
SP-77K	Less than 1'	New well - .9' decline
*SP-77L	13'	No trend - new well
SP-77H	1 - 2'	New well - 1.9' decline
SP-77P	Less than 1'	New well - .1' decline
SP-77U	Not developed yet	
*SP-77S	Not developed yet	
*SP-77V	Not developed yet	
*SP-77R	Not developed yet	
*HSB-66A	2 - 3'	4 - 5' Below normal
HSB-66B	Less than 1'	2 - 3' Below normal
HSB-66C	Less than 1' (except this year-new irrigation well across the road.)	3 - 4' Below normal
HSB-66D	1 - 2'	3 - 4' Below normal
SH-1	1 - 2'	1 - 2' Below normal
SH-2	1 - 2'	2 - 3' Below normal
SH-3	Less than 1'	2 - 3' Below normal

Spink County Deferred Applications continued

The effects of the drought are evident during the last two to three years of observation well readings. A general decline of about one foot per year is fairly common in all the aquifers during the drought. This is probably not due to irrigation pumping, but to lack of recharge. Should there be continued snowfall this winter and spring the water table aquifers should recover to normal. (East James and Hitchcock aquifers).

The artesian aquifer (Tulare) shows some of the same characteristics. Here, however, the major problem is not the lack of recharge, but the amount of interference the irrigation wells will cause. This aquifer should be restricted to the present amount of water pumped until further aquifer characteristics can be worked out and a well spacing system devised.

AREAS OF WATER LEVEL COMPLAINTS

There has been one area of controversy in the East James aquifer. That centered around the artesian irrigation well of Glenn Wipf. He reported a decline of ten feet in his irrigation well during the last three years. The Staff began to monitor this well and four observation wells were drilled in the area. A measurement taken (1-23-78) by the Staff indicates a 3.5 feet rise in the water level of the irrigation well since the spring of 1977. This still leaves seven to eight feet of recovery before this well is back to normal. So far, the only explanation for the decline is the lack of recharge caused by the drought. The Staff will continue to recommend deferral of all applications into the artesian portion of the East James aquifer until this problem is resolved.

CONCLUSIONS

1. All aquifers need to be considered on a regional basis. Permits issued in Hand and Beadle counties have as much effect upon the overall aquifer as ones issued in Spink county.
2. Almost one-third of the permits approved in Spink county have reported no irrigation or have not been developed.
3. Present irrigation has had little overall effect upon the aquifers although the combined effect of irrigation and the drought is shown by looking at the observation well records. Recharge is a difficult term to put a number or quantity to, but there is no evidence of exceeding the average annual recharge anywhere in Spink county.
4. If all the Water Rights Commission decided on a conservative approach and all permits were to remain deferred, then this would give the Staff time to develop the new observation wells, check the water levels this spring for recharge, tabulate the amount of water used by irrigation and give the non-developed permit holders time to get something done. This decision by the Commission would hold up further development for about one year.

RECOMMENDATIONS:

1. That all applications in the artesian Tular aquifer be deferred because of the undeveloped systems and the undetermined effect they will have upon the artesian head pressure. There is a possibility well interference will become a problem.

3269-3	3376-3
3270-3	3379-3
3282-3	3380-3
3321-3	3852-3
3339-3	3936-3

Beadle County
4134-3
4194-3

2. Applications in the water table Hitchcock aquifer could be considered for approval. The aquifer is expected to recharge rapidly, if there is any runoff. The aquifer is only a few feet below normal, but there is no estimate of the total water in storage.

3308-3	3752-3
3309-3	3860-3
3310-3	3861-3
3382-3	4138-3
3383-3	4161-3
3603-3	4171-3

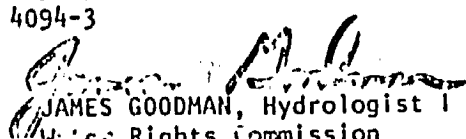
Beadle County
3324-3
3631-3
3877-3

3. That applications in the artesian area of the East James all be deferred. There are some unanswered questions in this area and some significant drawdowns in observation wells occurred last season.

3391-3	3748-3
3467-3	3856-3
3474-3	4057-3
3733-3	4131-3

Applications in the water table portion of the East James aquifer may be considered for approval. There should be no adverse effects, if these applications are approved. Water levels in this area are below normal, but are expected to recharge this spring, assuming normal runoff.

3325-3	3490-3	4092-3	4158-3
3470-3	3714-3	4094-3	

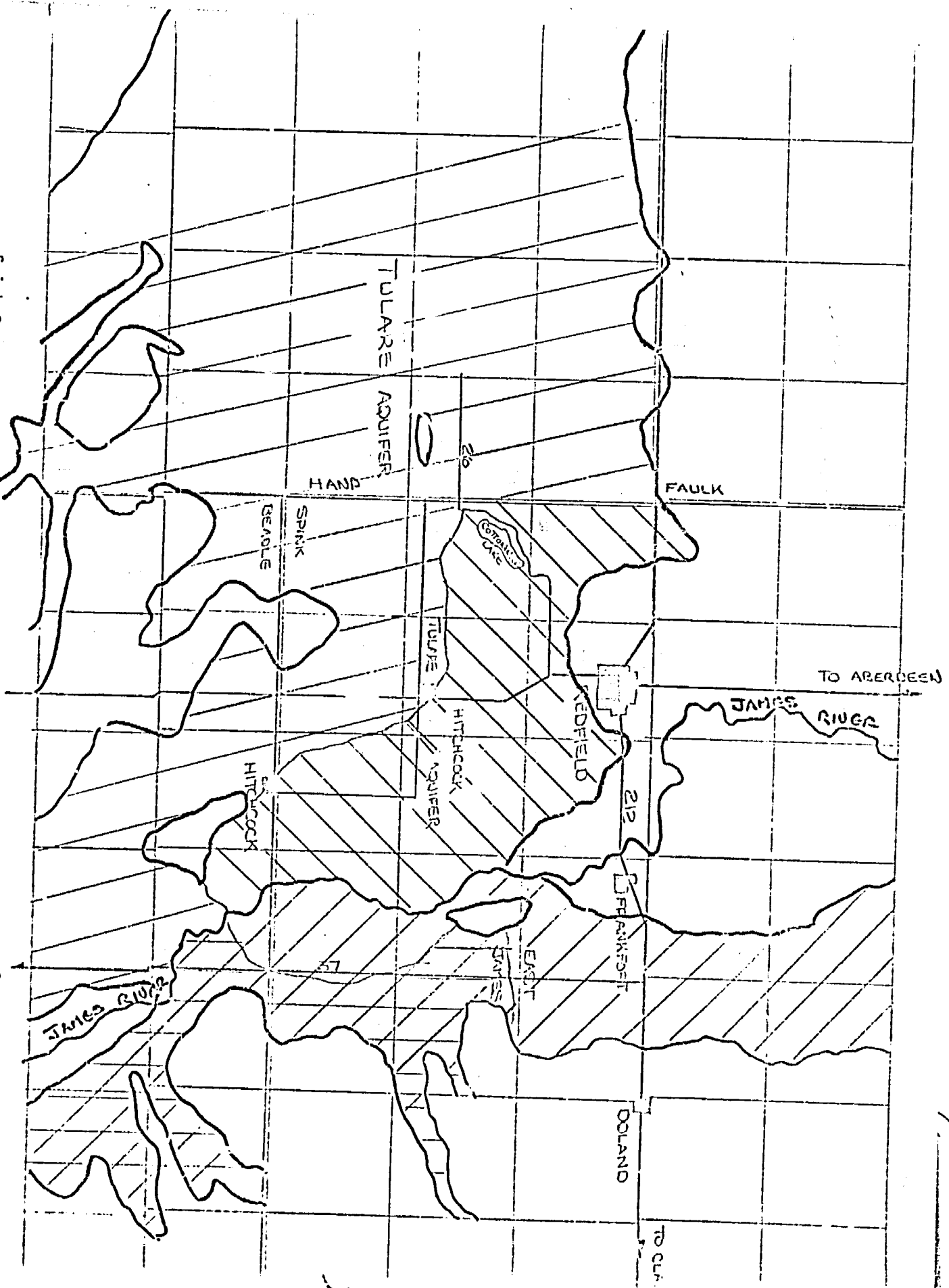

JAMES GOODMAN, Hydrologist I
Water Rights Commission

STATE OF SOUTH DAKOTA)
COUNTY OF HUGHES) SS

Sworn to, before me, this 24th day of January, 19 78.

Justin A. Zickrick
JUSTIN A. ZICKRICK, Notary Public
My Commission Expires 3/27/83

To
HURON





Department of Natural Resource Development

WATER RIGHTS COMMISSION
Joe Foss Building, Pierre, South Dakota 57501
Phone 605/773-3151

January 16, 1979

TO: Holders of Deferred Applications in Certain Aquifers in Spink,
Hand and Beadle Counties

FROM: John Hatch, Chief Engineer, Water Rights Commission

SUBJECT: Reconsideration of Deferred Applications

The Water Rights Commission will reconsider deferred water right applications proposing diversions from the Tulare, Hitchcock, and East James aquifers in Spink, Hand and Beadle counties at 4:00 p.m., January 31, 1979 at the South Dakota Education Association Building, 411 E. Capitol, Pierre, South Dakota.

This reconsideration hearing will be conducted in accordance with the provisions of SDCL 46-1-1 thru 46-1-8; 46-2-9 thru 46-2-11, 46-2-13; 46-5-1 thru 46-5-8, 46-5-10 thru 46-5-22, 46-5-41; 46-6-3, 46-6-5, 46-6-6.1, 46-6-10, 46-6-14 and Commission Rules ARSD 52:01:01:01 thru 52:01:01:13.

These applications were deferred by the Water Rights Commission during 1977 and 1978, pending Staff investigation.

After reconsideration of the deferred applications, the Commission can approve, defer, or deny all or part of these applications.

This hearing is an adversary proceeding. Any person has the right to be present or to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised at the hearing. Decisions of the Commission may be appealed to the courts as provided by law.

Very truly yours,

A handwritten signature in dark ink, appearing to read "John Hatch".

JOHN HATCH, Chief Engineer
Water Rights Commission

JH/gy

NOTICE OF COMPLETION OF WORKS AND/OR
APPLICATION OF WATER TO BENEFICIAL USEPost Office CRAIG WALLACE
FRANKFORT S. DAK 57440
Date Aug 28 79TO: Water Rights Commission
Joe Foss Building
Pierre, South Dakota 57501

Dear Sirs:

This is to inform you that I have completed the construction of the water diversion system and/or that I have put the water to beneficial use to the maximum extent it is going to be used, not exceeding the amounts as specified in Water Right Permit No. 4203-3

Water Right Permit No. 4203-3 states that the diversion system is to be constructed by JAN 31, 19 82 and that the water is to be put to beneficial use by JAN 31, 19 82.

The diversion system was completed on MAY 20, 19 79.
Applying the water to beneficial use was completed on MAY 23, 19 79.

You may schedule an inspection so that the Certificate of Construction and/or the Water License may be issued, thus completing my acquisition of a water right.

Craig Wallace
(signature)

Water Rights Division - DWR

File No. 4203-3

Conversation or File Documentation

NAME OF PERSON OR FILE: Craig Wallman

ADDRESS: Frankfurt COUNTY Spink

DATE: 1/10/83 TELEPHONE _____

RE: Called SCC. re permit

COMMENTS:

Had no WQ approval on 5 acres in NE 4 —
SCC has checked it out and are sending over a
corrected copy to bring permit into compliance
with State Statutes

File in Permit or other file as necessary. Use to document conversations and what the other party was told; why action or decision was made.

NAME: BW



Department of Agriculture

DIVISION OF CONSERVATION

Anderson Building, Room 322 • Pierre, South Dakota 57501
Phone 605/773-3288



January 11, 1983

Craig Wollman
RR
Frankfort, SD 57440

Dear Mr. Wollman:

We have been notified by the Division of Water Rights that in the process of licensing your permits discrepancies have been found.

Permit No. 3159-3:

4203-3

corrected WI-1 with SCC

Jan 13, 1983 By

A small acreage deviation has been found between your Water Permit and your Soil and Water Compatibility Permit. This area is for 5 acres in the NE 1/4 21-61-115. However, due to the small acreage involved we have amended your permit to include this area. (See enclosed copy of amended WI-1.)

Permit No. 4196-3:

This permit involves an additional 40 acres in the SE 1/4 21-61-115 which you do not have Soil and Water Compatibility for. In order to bring your Water permit into compliance with state law it will be necessary for you to complete the attached WI-1 and return it to our office, along with the correct soil information for processing.

If you have any questions or feel our amendment of 5 acres is in error please feel free to contact this office.

Sincerely,

Jim Stukel
Irrigation Program Director

cf

cc: Water Rights

STATE CONSERVATION COMMISSION
SUPPORTING INFORMATION
FOR APPROPRIATION OF GROUND WATER IN ACCORDANCE
WITH SOCL 46-6-3 AS AMENDED
(THIS FORM REQUIRED FOR PROPOSED GROUND WATER IRRIGATION)



NAME Craig Wollman
ADDRESS Frankfort, Ark. 57440
COUNTY Franklin

LEGAL DESCRIPTION

1. WELL LOCATION NW 1/4 of 21-115-61
2. LOCATION OF AREA TO BE IRRIGATED NW 1/4 of 21-115-61

TYPE OF IRRIGATION

3. GRAVITY _____ TOW LINE _____ CENTER PIVOT X
4. CROPS TO BE IRRIGATED Corn & wheat

WATER QUALITY

5. SAMPLE NUMBER 77-KAS
6. SALINITY (EC X 10⁶) 753 (high-medium)
7. SODIUM (SAR) 0.73 (low)
8. RESIDUAL SODIUM CARBONATE (meq/l.) 2.0
(Adj SAR = 1.85)

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 _____ 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.

Craig Wollman
APPLICANT'S SIGNATURE

SUBSCRIBED AND SWORN BEFORE ME THIS
5th DAY OF Dec 19 77

Barbara R. Lovett
(TITLE OR SEAL) Sp. Reg. & Clerk.

Albert J. Lafferty
APPROVED

(FILL IN INFORMATION ON REVERSE SIDE)

Permit No. 4203-3Water Division 3 JAMES RIVER Water DistrictREPORT OF EXAMINATION OF WORKS
AND/OR APPLICATION OF WATER TO BENEFICIAL USE

TO: WATER RIGHTS, WATER MANAGEMENT BOARD / FOSS BLDG., PIERRE, SOUTH DAKOTA 57501

I have this day made a thorough examination of the water use system constructed by CRAIG WOLLMAN of FRANKFORT holder of Permit No. 4203-3, bearing date of priority of DECEMBER 20, 1977 authorizing the diversion of 2.2 cu. ft. per second of the waters of GROUNDWATER for IRRIGATION purposes, in SPINK County.

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

The Water Use System consists of,

A. Works used to divert the water:

182' DEEP WELL WITH 16" FIBREGLAS CASING-20 FIBREGLAS SCREEN
WESTERN LAND ROLLER 8" PUMP - POWERED BY 75 HP, US
ELECTRIC MOTOR.

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

15' OF 8" ALUMINUM PIPE TO CENTER OF PLOT

C. Works used to apply water to beneficial use.

ELECTROGATOR 8 TOWER, MODEL 680 CENTER PLOT, WITH
NELSON #100 END GUN

The system is in the following condition: GOOD

The point of diversion is located 1320'S & 1330'E OF THE NW CORNER,
SECTION 21, T115N, R61W

The works are capable of diverting and conveying to the place of use 1.78 (800 GPM)
cu. ft. per second of water which is to be used for IRRIGATION

Water has been put to beneficial use to the maximum extent as follows:

FOR IRRIGATING A 136 ACRE CIRCLE IN THE NW⁴,
SECTION 21, T115N, R61W (APPROX 5 ACRE IN THE
NE⁴ OF THIS SECTION.

comprising a total of 136 acres of land.

SEE PERMIT NE4192-3
FOR AERIAL PHOTO

1/10/83 - called SDC re a change in
NE4 Sec 21 which was made to correct
map and sending a corrected
copy over the state of SD.
corrected copy received 1/13/83
Per.

Date AUGUST 17, 1982

Paul Jones
(Signature)

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 4203-3

(1) WHEREAS, On the 30th day of December A. D. 19 77
Craig Wollman

made Water Right Application No. 4203-3 for a permit to use 2.20 cubic feet per second of the waters
of groundwater (one well)

County of Spink, State of South Dakota, for Irrigation
_____ purposes; and

(2) WHEREAS, On the 31st day of June A. D. 19 79
Permit No. 4203-3 with a date of priority of December 20, 1977

was issued to said applicant _____ for the diversion of said water, and provided for the completion of construction of the water
supply system therein described on or before the 31st day of January A. D. 19 80 and for the
application to beneficial use of said water on or before the 31st day of January A. D. 19 82

and:

(3) WHEREAS, It is hereby certified that the applicant has complied with the provisions of the laws of the State of South Dakota
relating to completion of the construction of the water supply system and is entitled to divert 1.78 cubic feet
per second of water for beneficial use and,

(4) WHEREAS, It is hereby certified that the applicant has complied with the provisions of the laws of the State of South Dakota
relating to the application of water to beneficial use of the following extent,

to irrigate the following acreages all in Section 21, T115N, R61W

<u>NW$\frac{1}{4}$</u>	<u>(B)</u>	<u>131.00 acres</u>
<u>NW$\frac{1}{4}$ NE$\frac{1}{4}$</u>	<u>(AB)</u>	<u>2.50 "</u>
<u>SW$\frac{1}{4}$ NE$\frac{1}{4}$</u>	<u>(AC)</u>	<u>2.50 "</u>
		<u>TOTAL 136.00 acres</u>

(5) NOW, THEREFORE, By the virtue of the authority vested in us by the laws of the State of South Dakota We hereby grant and confirm to Craig Wollman

_____ of Route 1, Box 64, Frankfort SD 57440

the holder _____ and owner _____ of said permit No. 4203-3 a water right, dating from December 20, 1977

_____ to use of 1.78 cubic feet per second of the waters of groundwater (one well)

in the County of Spink and State of South Dakota, or so much thereof as may be necessary for the purposes hereinbelow mentioned, to be diverted at a point 1320 feet south and 1330 feet east of the NW corner, Section 21, T115N, R61W (R)

and conducted to and upon portions of land in Section 21, T115N, R61W more fully described on the face of the license

for the purpose of Irrigation

Subject to any limitations listed in Water Right Permit No. 4203-3 and subject to the laws of the State of South Dakota.

WITNESS, My hand and seal of our office at Pierre, South Dakota
this 13th day of January A. D.
Nineteen Hundred and Eighty-three

WATER MANAGEMENT BOARD

By:

John Hatch
Chief Engineer, Executive Officer
JOHN HATCH

Permit No. 4203-3

Water Diversion No. 3 James River Water District
10160006

CERTIFICATE OF CONSTRUCTION

This is to Certify, That Craig Wollman

_____ the holder _____ of
Permit No. 4203-3, issued upon Application No. 4203-3 bearing date of priority of December 20,
1977 authorizing the diversion of 2.20 cu. ft. per second of the waters of _____
groundwater (one well) County of Spink, State of South Dakota at _____
a point 1320 feet south & 1330 feet east of the NW corner, Section 21,
T115N, R61W (S)
_____, for Irrigation

purposes, he S complied with the provisions of the laws of the State of South Dakota relating to proof of
completion of the works of diversion set out and described in said Permit; that said works are found in satisfactory
condition for diverting and conveying to the place of intended use 1.79 (800 gpm) cu. ft. per second of water.

Date January 13, 1983


JOHN HATCH, Chief Engineer
Water Rights Division



Department of Water & Natural Resources

Joe Foss Building Water Rights Division
Pierre, South Dakota 57501

(605) 773-3352

January 17, 1983

Craig Wollman
Route #1, Box 64
Frankfort SD 57440

Dear Mr. Wollman:

Enclosed herewith are, Water License No. 4203-3 and Certificate of Construction.

Water License No. 4203-3 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,

A handwritten signature in black ink, appearing to read "John Hatch".

JOHN HATCH, Chief Engineer
Water Rights Division

JH:ls

enclosures

RECEIPT

WATER RIGHTS COMMISSION

State of South Dakota

No 4 9062

PIERRE, December 9, 1982, 19

RECEIVED OF Craig Wollman, Route #1, Box 64, Frankfort, SD 57440
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. 4203-3	50	00
Fee for inspecting Beneficial Use, and issuing Water License No. 4203-3		
Fee for issuing Location Certificate-Dry Draw, No.		
Fee for filing		
Fee for certified copy of		
Fee for Print copy of map		
Fee for Certifying		
Fee for		
(any other work as provided by law)		
TOTAL	50	00

WATER RIGHTS COMMISSION

By *John Hatch*
Chief Engineer, Executive Officer
JOHN HATCH (ins)



Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181

December 19, 1986

Carleen Arnold
Farmers Home Administration
25 1/2 W 6th Avenue
Redfield, SD 57469

Dear Ms. Arnold:

In response to our telephone conversation of December 18, 1986, enclosed are copies of Water Right No. 3053-3, Carl Erickson; Water Right Nos. 3174A-3 and 3172-3, Lester & Doris Marshall; Water Permit No. 3255-3, Lester Marshall; and Water Right Nos. 4196-3 and 4203-3, Craig Wollman. I apologize for the poor quality of some of the copies.

You inquired about the irrigation systems relative to each of the water rights. I have included copies of the inspection reports for the licensed rights. Water Permit No. 3255-3 for Lester Marshall has not been inspected or licensed so we do not have very good information concerning the irrigation system under this permit.

I hope this information will be of help to you. If I can answer any questions, please contact me.

Sincerely,

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

Geony McMath
Natural Resources Analyst
605 773-3352

encl

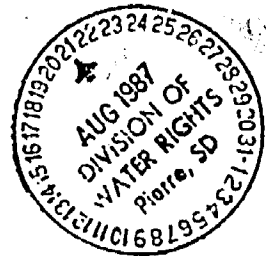
4196-3

1205-3



August 19, 1987

Jenny McMath
Department of Water and Natural Resources
Division of Water Rights
Joe Foss Building
Pierre, S.D. 57502

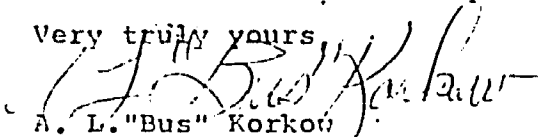


Dear Madam:

Federal Land Bank has acquired the Craig Wollman property in Spink County.

I am in the process of selling the property to a buyer. My question is, do you want to send the forms for me to have filled out and would they have to go to the Federal Land Bank first and then to the buyer or could the permit be transferred from Wollman to the new buyer?

Very truly yours,


A. L. "Bus" Korkow
Korkow & Associates, Inc.
742 Iowa, S.E.
Huron, S. Dak. 57350



in South Dakota call 1 800 952 3633
outside South Dakota call 1 800 843 8630





Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181

August 24, 1987

4196-3
4203-3

A.L. "Bus" Korkow
Korkow & Associates, Inc.
742 Iowa SF
Huron SD 57350

Dear Mr. Korkow:

In response to your letter of August 19, 1987, enclosed are two partially completed transfer forms. These forms are for use in transferring Water Right Nos. 4196-3 and 4203-3 listed in the name of Craig Wollman.

If the property will be changing hands in the new future, the water rights could be transferred to the "new" owner. However, if the transaction does not go through, the water rights should be transferred to the Federal Land Bank.

South Dakota Water Law 46-5-30.3 requires Notice of any sale, grant, lease, conveyance or other transfer of a Water Permit or Water Right to appropriate water to be filed with this office within ninety days.

The transfer forms need to be completed and signed in the presence of a notary. Upon completion of the forms, please return them to our office with the required filing fee of \$2.50 each (total of \$5.00).

If you have any questions, please contact me.

Sincerely,

GENNY MCMATH
Natural Resources Analyst
605 773-3352

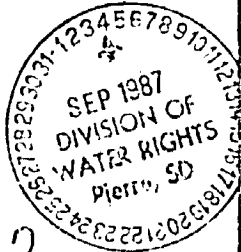
enclosures

NO. 4203-3

NOTICE OF TRANSFER OF WATER PERMIT

TO: Water Rights
Foss Building
Pierre, SD 57501

Date: 9-3-87



This is to notify you that the title to the lands described as follows:

136 acres - NW $\frac{1}{4}$, W $\frac{1}{2}$ NE $\frac{1}{4}$ Section 21, T115N, R61W

formerly owned by Craig Wollman, Frankfort SD

has been transferred to Danny J. Baum 1290 Oak St. Huron, S.D. 57350
(please include complete mailing address)

together with any rights to the beneficial use of water thereon as evidenced by

Water Right Permit No. 4203-3 as provided for in SDCL 46-5-32 and 46-5-33.

You are therefore hereby requested to file this "Notice of Transfer of Water Permit" in its appropriate file at the Div. of Water Rights, Water Management Board as evidence of the change of ownership.

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

STATE OF SOUTH DAKOTA)
County of BEADLE) ss.

I, Danny J. Baum 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 information herein stated is true.

Danny J. Baum
(Signed)

Subscribed and sworn to before me this 3rd Day of September, 1987.

Spencer C. Nesson
(Notary Public)
My Commission Expires 8 June 1988

RECEIPT

Division of Water Rights
South Dakota Department of Water and Natural Resources

410979

Pierre, _____ September 6, 19 37

RECEIVED OF Danny J. Baum, 1290 Dakota, North, Huron, SD 57350
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>4203--1</u>	2	50
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	2	50

By John Hatch
Chief Engineer JOHN HATCH (ins)

SOUTH Dakota Department of
Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181

WATER RIGHTS DIVISION
(605) 773-3352

September 4, 1987

Danny J. Baum
1290 Dakota, North
Huron, South Dakota 57350

Dear Mr. Baum:

Enclosed are receipt Nos. 410978 and 410979 in the amount of \$2.50 each which you paid for transfer of Water Right Nos. 4196-3 and 4203-3.

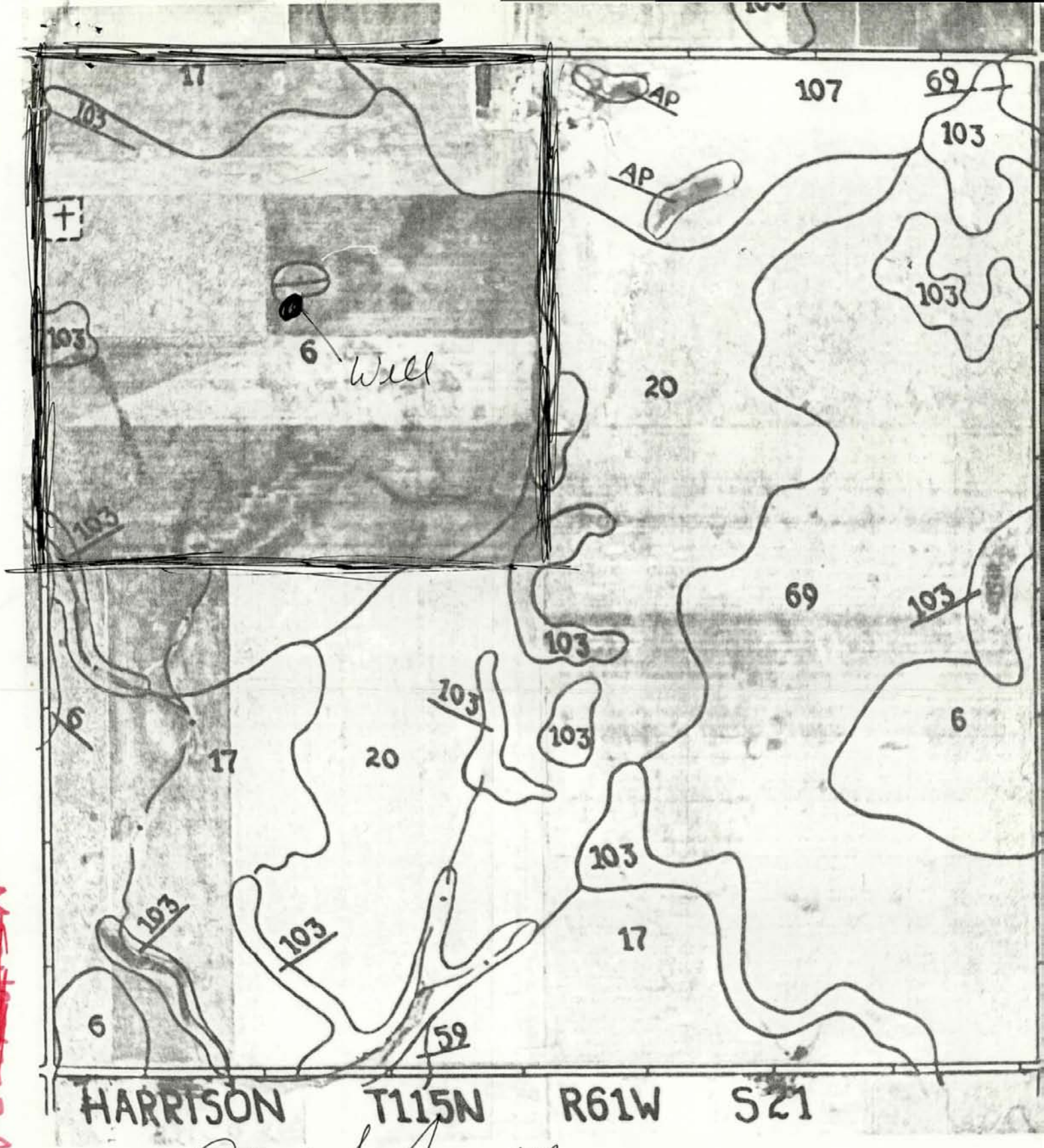
Our records now show you as the owner of these Water Rights.

Sincerely,

Maxine Stirling
Secretary

ms/
Enc. 2

44-11-2-3 APRIL 203-3



Robert A. Sampson
Spink Co. Ex. Agent
Redfield, S. Dak.
57469

4203-3



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

November 14, 2012

4196-3
4203-3

Terry Wieting
870 Beach Ave NE
Huron SD 57350

Dear Mr. Wieting:

Thank you for contacting us with regard to the change in operator status for Water Right Nos. 4196-3 and 4203-3.

Enclosed are the 2012 irrigation questionnaires pertaining to these two water rights. You can complete and return them in the enclosed envelope; drop them off in December when you come to Pierre or submit them on line at the following link: <http://denr.sd.gov/des/wr/wr.aspx>

If you have any questions, please give me a call.

Sincerely,

A handwritten signature in black ink that reads "Genny McMath".

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

enclosures