

Considered: _____

WATER PERMIT NO. 5266-3

HAP No. same 472-2595

Name of Applicant William Koester

Post Office Address RR2, Box 65, Redfield SD 57469

Amount of Water Claimed 2.20 Total Acres 156

Source of Water Supply ground water - 3 wells

Water to be used for irrigation County Spink

About 10 miles N of Hitchcock.

PROOF OF PUBLICATION: Received _____ Not Received _____

APPLICATION: Approved 3/2/89 Subject to _____

F.F. & C.L. Adopted _____ Not Approved _____ Deferred _____

PRIORITY Date Received Jan 23, 1989 Fee \$50⁰⁰ Remarks _____

1/23/89 reinstatement of Water Permit No. 4870-3

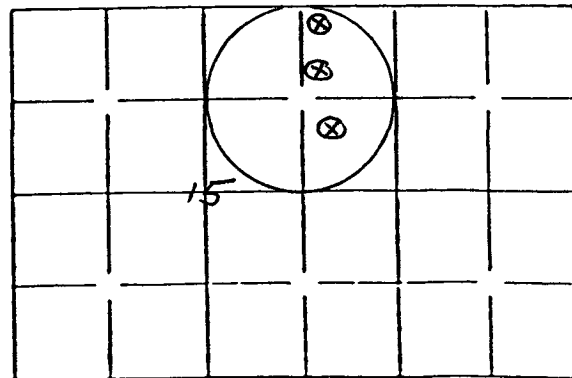
Corrected Application Received _____ Period of Annual Use Apr 1 - Oct 31

WATER QUALITY APPROVAL RECEIVED same as 4870-3 APPROVED/CONDITIONAL (Circle one)

WI-1 Description same as Application YES ☒ NO _____ REMARKS _____

Diversion Point wells: NE¹/₄ NE¹/₄ (2 wells),
SE¹/₄ NE¹/₄ (1 well) section 15-T115N-R63W

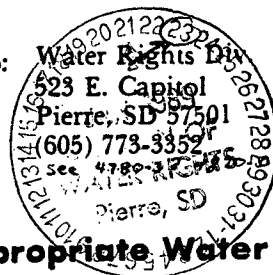
Land to be Irrigated NE¹/₄ section 15-T115N-
R63W



Well Log: Driller Empire - test holes Licensed YES ☒ NO ☒ out of business

Depth of Wells ~ 46 feet REMARKS _____

Type of Map aerial photo PREPARED BY Marvin Mammie Reviewed and the Number
assigned on January 23, 1989 By Ron D. Small



(See instructions)

No. 5266-3 Hydrologic Unit 10160006
Basin James River
Newspaper Redfield Press, Box 440 (Wed) 57469

Application For Soil/Water Compatibility Permit and Permit To Appropriate Water

Type of Application: ☒ New ☐ Vested Right ☐ Amend Permit No. _____
☐ Change Acreage ☐ Change diversion point(s) ☐ Add diversion point(s)
☐ Add Acreage ☐ Increase diversion rate ☒ Other reinstate Permit No. 4870-3

1. Name of Applicant WILLIAM KOESTER Phone No. 605-472-2595

Post Office Address RR 2 Box 65 REDFIELD State SOUTH DAKOTA
(Street, RR or Box) (City) 57469 Zip Code

2. Amount of water claimed (c.f.s) 2.20 Total acres irrigated 156

3. Source of Water supply ground water 3 wells

4. Location of point of diversion WELL ONE - FROM NE CORNER WEST 1310 FT THEN SOUTH 60 FT
WELL TWO - FROM NE CORNER WEST 1300 FT THEN SOUTH 650 FT WELL 3 - FROM
NE CORNER WEST 1210 FT THEN SOUTH 1560 FT E 1/2 NE 1/4 County Spink

5. Counties where water will be used Spink Sec 15-115N-63W.

6. Annual period during which water is to be used April 1 - October 31

7. 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.
<u>NW 1/4 NE 1/4 sec 15-T115N-R63W</u>	<u>39.0</u>
<u>NE 1/4 NE 1/4</u>	<u>38.0</u>
<u>SW 1/4 NE 1/4</u>	<u>40.0</u>
<u>SE 1/4 NE 1/4</u>	<u>39.0</u>

Attach sheet if more space is needed

Land Description	No. Acres Irr.

8. Type of Irrigation: Gravity: _____ Towline: _____ Center Pivot: X Gun: _____ Other: _____
(Specify)

9. Crops to be Irrigated: CORN - BEANS - SMALL GRAINS

10. Give a description of proposed project. (Attach sheet if more space is needed)

THE PROJECT WILL BE 3 WELLS COMING TOGETHER AT CENTER TO OPERATE PIVOT

Attachments: Attach Form 2A if diversion from a well or dugout, or if storage of water, is proposed. Attach maps, soils information and any other technical information.

STATE OF SOUTH DAKOTA)
County of SPINK)^{ss}

I, WILLIAM KOESTER, the applicant, certify that I have read this application and examined the attached maps, that the water sample, if needed, has been taken by the required procedures and has not been adulterated or tampered with and is truly representative of the water to be used, and that the matters stated in this application are true and correct.

Signed William Koester

Subscribed and sworn to before me this 18th day of January 19 89

NOTARY PUBLIC
State of Kansas
My Appt. Expires 10-5-91

Shirley Whitelide
Notary Public

**SOUTH DAKOTA
WATER PERMIT No. 5266-3 FOR IRRIGATION**

Date of first receipt of application January 23, 1989.

Date Soil/Water Compatibility Permit received March 8, 1982 (see Permit No. 4870-3).

Date of receipt of corrected application January 30, 1989.

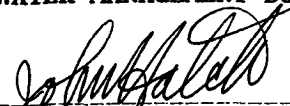
The Water Management Board approved Water Permit Application No. 5266-3 on March 2, 1989 for William Koester, RR#2, Box 65, Redfield, SD 57469 authorizing the construction of the water use system and the placing of water to beneficial use subject to the following limitations, conditions and qualifications:

1. Water Permit No. 5266-3 reinstates Water Permit No. 4870-3 to appropriate 2.20 cfs from 3 wells, approximately 46 feet deep, to irrigate 156 acres. The 3 existing wells are located in the NE1/4 NE1/4 (2 wells), SE1/4 NE1/4 (1 well) and the acreage to be irrigated is located in the NE1/4; all in Section 15-T115N-R63W.
2. The amount of the appropriation may not exceed 2 acre feet per acre per year or one-seventieth (1/70) cubic feet of water per second for each acre of land to which water is actually and beneficially applied for irrigation. The water is to be used during the following described annual period: April 1 - October 31.
3. The date from which applicant may claim right is January 23, 1989.
4. One-fifth of the construction is to be completed on or before September 2, 1991.
5. All construction is to be completed on or before March 2, 1994.
6. Water is to be put to beneficial use on or before March 2, 1998.
7. Water rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

QUALIFICATIONS

1. The wells authorized pursuant to this permit shall be constructed by a licensed well driller and construction shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04.
2. The wells approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
3. This permit is approved subject to the irrigation water use questionnaire being submitted each year.

WATER MANAGEMENT BOARD

By: 
Chief Engineer, Water Rights Division
Department of Water and Natural Resources

JUN 13 1989

(date)

Supplemental Information

4830-1

(type or print in ink)



1. Well Information - Proposed construction Were your wells drilled by Empire Drilling? NO FLORIDA
- a. Drill Hole Diameter 28 INCH Depth 45' 46' 46
- b. Casing Type PVC Diameter 16' Thickness 3/8 INCH
- c. Screen Type SSF Diameter 16 INCH Thickness 3/8 INCH
- d. Gravel Pack Thickness 6 INCHES AROUND Length of Gravel Pack FULL LENGTH
- e. Depth to Top of Water Bearing Material 38' - 39' - 39'
- f. Depth to Water (ground surface to water level) 22 FT
- g. Distance to nearest existing domestic well:
- On applicants property 875 FT On property owned by others 1600 FT

2. Dugout Information Estimates

- a. Surface Dimensions _____ Depth _____
- b. Depth to water (ground surface to water level) _____

3. Water Storage Dams

If the proposed water use system contains one or more storage dams, please furnish the information requested below. The locations of each dam should be shown on the map submitted with the application.

- a. If a private engineering firm or government agency was involved in the design of this dam please give their name and address

b. Freeboard _____

c. Crest Width _____

Crest Length _____

d. Height _____

e. Primary Outlet Capacity _____
If Pipe, diameter _____

f. Secondary Spillway Capacity _____
Spillway width _____

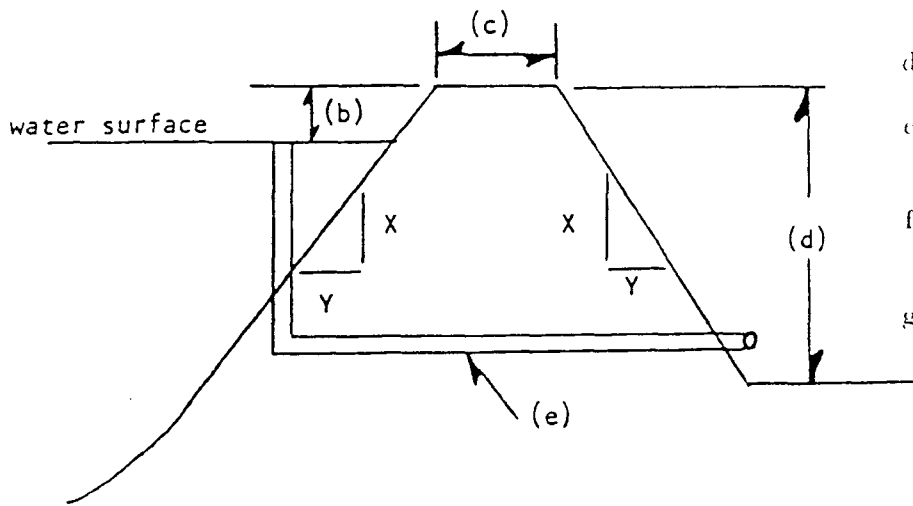
g. X & Y Slope
Upstream _____

Downstream _____

Surface Area of Impoundment _____

Storage _____ acre feet

Drainage area above dam _____



Signature of Applicant _____

RECEIPT

Division of Water Rights

South Dakota Department of Water and Natural Resources

411602

Pierre, January 23, 1989

RECEIVED OF Koester Spots, RR2, Box 65, Redfield, SD 57469

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

Fee for Application for Permit No. <u>5246-3</u> to Appropriate Water, to construct works and to put water to beneficial use	50	00
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. _____		
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	50 00

By

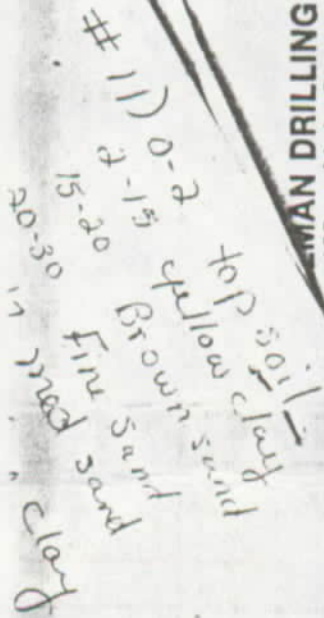
John Hatch / msa
Chief Engineer



Ron

We used test holes 2, 10, 11.

Thank you
Dale Koester



MAN DRILLING

Box 188 - Main Street
WOLSEY, S.D. 57384
Of Well Drilling And R
Ph. (605) 883-4532

All Types Of Well Drilling And Repairing

DATE 12-17-84

Shawn Koester
R22
Redfield

Detach and Return This Stub With Remittance.

Amt. Remitted \$

DATE	CHARGES AND CREDITS	BALANCE
1956 #1	40 ft ⑥	146.25
#2	45 ft ⑥	146.25
#3	47 ft ⑥	152.75
#4	45 ft ⑥	146.25
#5	45 ft ⑥	146.25
#6	45 ft ⑥	146.25
#7	45 ft ⑥	146.25
#8	46 ft ⑥	153.50
#9	46 ft ⑥	153.50
#10	45 ft ⑥	162.50
#11	47 ft ⑥	162.75

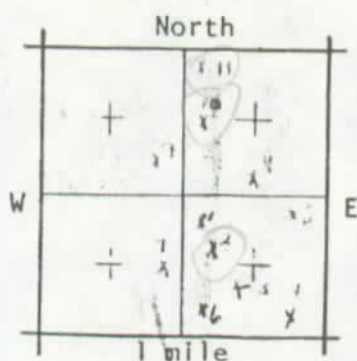
4Y 400-2

Your Check is Your Receipt

470	1746.25
Total 20	57.85
	1504.10



STATE OF SOUTH DAKOTA WELL DRILLERS REPORT

Location 1 1/2 Sec 15 Twp 115 Rg 65County Spink

Please mark well location with an "X"

Well Completion Date 10-11-84

PROPOSED USE:

☐ Domestic ☐ Municipal ☒ Test Holes
☐ Irrigation ☐ Industrial ☐ Stock

Method of Drilling:

Forward Rotary

WELL CONSTRUCTION:

Diameter of hole _____ inches Depth _____ feet

Casing: ☐ Steel ☐ Plastic ☐ Other
Specify _____Pipe Weight Diameter From To
_____ lb/ft _____ inches _____ feet _____ feet
_____ lb/ft _____ inches _____ feet _____ feetWas a well screen used? ☐ Yes ☐ No

If Not Specify _____

Screen Type _____ Slot Size _____

Length _____ Diameter _____

Was Casing left open end? ☐ Yes ☐ NoWas a Packer or seal used? ☐ Yes ☐ No

If so what material? _____

Was well gravel packed? ☐ Yes ☐ NoWas well grouted? ☐ Yes ☐ No

Describe grouting procedure _____

To what depth? _____ Feet

What was grouting material? _____

If cement, how many sacks? _____

Location of packer(s) and screen or perforated pipe _____

WAS WELL PLUGGED OR ABANDONED? ☐ Yes ☐ No
If so how and with what material? _____

Well Owner:

Name Shawn KresterAddress RR 2 Portland

Well Log:

Depth

Formation

From

To

#1	Top soil	0	3
	yellow clay	3	15
	Brown Sand	15	20
	Course Sand	20	37
	Fine Sand	37	42
	Course Sand	42	45
	Blue Clay	45	
#2	Top soil	0	3
	yellow clay	3	15
	Brown Sand	15	20

STATIC WATER LEVEL _____ Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

If other; specify _____

Can well be completely shut off? _____

WELL TEST DATA:

☐ Pumped☐ Bailed

Describe: _____

☐ Other

Pumping Level Below Land Surface

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

Remarks:

(#1) 20-36 med Sand
36-45 fine Sand
45- Blue Clay

(#2) 0-3 Top Soil
3-15 Yellow Clay
15-30 Brown Sand
30-38 med Sand
38-40 fine Sand
40-47 med Sand
47-60 Blue Clay

(#3) 0-3 Top Soil
3-15 Yellow Clay
15-30 Brown Sand
30-38 med Sand
38-40 fine Sand
40-47 med Sand
47-60 Blue Clay

This well was drilled under license # _____
and this report is true and accurate.

Drilling Firm _____

Signed by _____

Date _____



#5 0-2 top soil
2-15 yellow clay
15-22 yellow sand
22-30 gravel
30-36 fine sand
36-42 med sand
42-50 Blue Clay

#6) 0-2 Top soil
2-15 yellow Clay
15-20 Yellow Sand
20-30 Sand Deacidized
30-45 med Sand
45-50 Blue Clay

#7 0-3 topsoil
3-15 yellow clay
15-30 Brown Sand
30-38 med to coarse sand
38- Blue Clay

#8 0-3 Top soil
3-15 yellow Clay
15-20 yellow sand
20-30 Deacidized yellow Sand
30-40 Fine sand

#9 0-2 top soil
2-13 yellow Clay
13-20 yellow-Brown Sand
20-27 Sand
27-37 med Sand
37-40 Blue Clay

#10 0-3 Topsoil
3-15 yellow Clay
15-30 Brown Sand
30-45 med Sand
45-50 Blue Clay

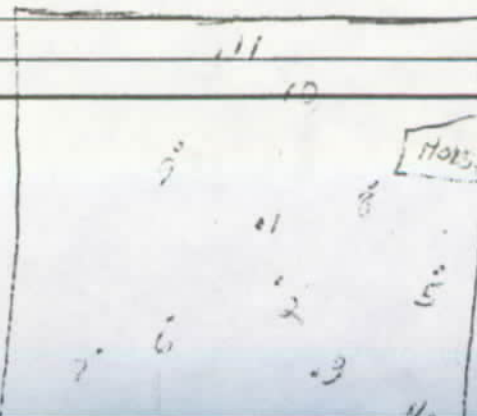
#11) 0-2 top soil
2-15 yellow Clay
15-20 Brown sand
20-30 Fine Sand
30-47 med sand
47- Blue clay

PULLMAN DRILLING — DRILLERS LOG

Sinal Kestep JOB NAME
 W. 4 S. 15-1156 LOCATION
 10-9-87 DATE
 2 RIG NO.
 Kaynie FOREMAN

Jt No.	DEPTH	TIME	REMARKS
1	20	1	0-3 top Soil 3-15 yellow clay 15-20 Brown Sand
2	40	1/5	20-37 coarse Sand 37-40 Fine Sand
3	60		40-42 Fine Sand 42-45 coarse Sand 45-50 Blue clay
4			
5	20	1/5	0-3 top Soil 3-15 yellow clay 15-20 Brown Sand
6	40		20-36 med. Sand 36-45 Fine Sand 45-50 Blue clay
7			
8	20		0-2 top Soil 3-15 yellow clay 15-20 Brown Sand water logs
9	40	1/1	20-28 med Sand 28-36 coarse Sand 36-40 Fine Sand
10	60		40-47 med Sand 47-60 Blue clay
11			
12	20		0-2 top Soil 2-12 yellow clay 10-20 Brown Sand
13	40	1/5	20-30 med Sand 30-40 Fine - med Sand
14	50		40-42 Fine Sand 42-50 Blue clay
15			
16	20	2	0-2 top Soil 2-15 yellow clay 15-20 Brown Sand
17	40	1/5	22-30 coarse Has Been In Water 30-36 Fine Sand
18	50		36-40 med Sand 40-42 med Sand 42-50 Blue clay
19			
20	20		0-3 top Soil 3-15 yellow clay 15-20 Brown Sand
21	40	1/5	20-30 Sand Deoxidized 30-40 med Sand
22	50		40-45 med Sand 45-50 Blue clay
23			
24	20		0-2 top Soil 2-15 yellow 15-20 Brown Sand Rock 1'
25	40		20-30 Brown Sand 30-38 med to coarse Sand 38-40 Blue
26			
27	20	1/2	0-3 top Soil 3-15 yellow clay 15-20 yellow Sand
28	40		20-30 yellow Sand Deoxidized 30-40 Fine Sand 40-45 Blue
29			
30	20	3/8	0-3 top Soil 3-13 yellow clay 13-20 Brown Sand
31	40		20-27 Sand 27-37 med Sand 37-40 Blue clay
32			
33	20		0-3 top Soil 3-15 yellow clay 15-20 Brown Sand
34	40	1/6	20-30 Brown Sand 30-40 med. Sand
35	50		40-45 med Sand 45-50 Blue clay
36			
37	20		0-3 top Soil 3-14 yellow clay 15-20 Brown Sand
38	40		20-30 Fine Sand 30-40 med Sand Bad Water Loss
39	60		40-47 med Sand 47-60 Blue clay 2 Fine streaks
40			

REMARKS:



SOIL/WATER COMPATIBILITY APPLICATION FORM
STATE CONSERVATION COMMISSION
SOUTH DAKOTA DEPARTMENT OF AGRICULTURE

RECEIVED

DEC 29 1981

Soil Water
Division of Conservation

OWNERS NAME: William Koester OWNERS ADDRESS: RR 2 Box 65
COUNTY LAND LOCATED IN: Spink PHONE: 605-472-2595 Redfield, SD 57469
TENANT'S NAME AND ADDRESS: (If Other Than Owner) _____

In accordance with State Law SDCL 46-5-6.5, if a water right is granted with a conditional permit (Soil/Water Compatibility), a copy of such conditional permit must be filed with the County Register of Deeds.
This action must be taken by the holder of a water right within 6 months of receipt of such water right.

LEGAL DESCRIPTION: (Show Legal Description to Nearest 10 Acres.)

1. WELL LOCATION OR DIVERSION POINT: 4 Wells SE 1/4 NW 1/4 NE 1/4; SW 1/4 NE 1/4 NE 1/4
NE 1/4 SW 1/4 NE 1/4; NE 1/4 SE 1/4 NE 1/4
(NONE)
2. SURFACE WATER SOURCE _____
3. LOCATION OF AREA TO BE IRRIGATED: NE 1/4 Sec 15 - 115 - 63
4. INDICATE NON-IRRIGATED AREAS AND (APPROX.) ACRES ON MAP: (Farmstead, shelterbelts, wetlands, etc)
- TYPE OF IRRIGATION: (Show approximate acres under each type of system)
5. GRAVITY _____ TOWLINE _____ CENTER PIVOT ☒ GUN _____ OTHER (Specify) _____
6. CROPS TO BE IRRIGATED Corn alfalfa beans
7. SHOW ANY PORTION OF LAND THAT PRESENTLY HOLDS AN IRRIGATION PERMIT: YEAR OBTAINED: None
LAND: _____
IN WHAT NAME: _____

WATER QUALITY: (TO BE COMPLETED BY SDSU WATER QUALITY LABORATORY)

8. SAMPLE NUMBER: 81-1433, 81-1439, 81-1440, 81-1441, 81-1442
9. SALINITY (EC X 10⁶) 150, 2050, 2050, 2050, 2050
10. SODIUM (SAR) 3.06, 2.81, 2.93, 3.13 ADJUSTED (SAR) 8.53, 8.00, 8.19, 8.77, 8.42
3.80



I hereby certify that I personally obtained or that I personally observed the taking of a sample of the water to be used in irrigating the above-described land. I also hereby certify that the required procedures for the taking of the sample (see back) were followed, and that the sample was taken at 4:00 AM / P.M., on Dec 16, 1981, at the following location: on site of test holes
by applicant (individual who took sample if other than applicant). I also hereby certify that the water sample taken has NOT been adulterated or tampered with in any manner, and is TRULY REPRESENTATIVE of the water which will be used in irrigating the above-described land.

I also hereby certify that a chemical analysis of the irrigation 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 further, that the legal description for the location of the well and land to be irrigated is true and correct.

I understand that the Division of Conservation or Agents thereof may obtain another water sample for the purpose of validating the water sample analysis taken at the time of application (SDCL 46-5-6.4).

SUBSCRIBED AND SWORN BEFORE ME THIS
22 DAY OF Dec, 1981.

John L. Wersma
(NOTARY PUBLIC)

William Koester
APPLICANT'S SIGNATURE

Jack McFell
Director, Division of Conservation

APPROVED

DISAPPROVED

☒ CONDITIONALLY APPROVED

IMPORTANT

Action by the Department of Agriculture or the State Conservation Commission is not the final action on any application.

In all cases a WATER RIGHT must be obtained from the State Water Right Commission.

EMPIRE

IRRIGATION DRILLING CO.

~~FRANKF~~ORT, SOUTH DAKOTA

PHONE 472-8984

Raymond

532-3998

DRILLING REPORT

Location of Well: _____ 1/4, NE 1/4, Section 15, Township 11S, Range 63

Well to be drilled for: Bill Koster Redfield
(Name) (Address)

Spink (Name) S. D&K (Address)
(County) (State)

Date well drilling started 12-10-81 finished _____

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

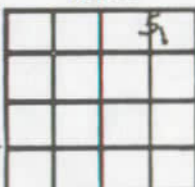
Depth 42 ft. Casing Diameter 5 inches

Slot Size _____ Screen Size _____

Screen Depth: From 22 ft. to 42 ft.

Remarks:

NORTH



1 Mile

REPORT OF FINAL PUMPING TEST

Write Additional Times and Readings on Back of Page

Date _____

Elapsed Time From Start of Pumping	Water Level	Discharge
---------------------------------------	-------------	-----------

O hr.	O min.	ft.	in.	(Static)
-------	--------	-----	-----	----------

hr.	min.	ft.	in.	GPM
-----	------	-----	-----	-----

hr.	min.	ft.	in.	GPM
-----	------	-----	-----	-----

hr.	min.	ft.	in.	GPM
-----	------	-----	-----	-----

hr.	min.	ft.	in.
-----	------	-----	-----

Formation: Clay, Silt, Sand,
Gravel, Color, Hard or Soft, etc.

Depth (ft.)

From	To
------	----

Formation (Continued)

Depth (ft.)

From	To
------	----

Top Soil

0	2
---	---

Clay

2	13
---	----

fine brown sand

13	27
----	----

fine sand - blue

27	33
----	----

med Sand

33	47
----	----

clay

47	50
----	----

Supply well

Allen Kretzschmar
Empire
Drilling Co

EMPIRE

IRRIGATION DRILLING CO.

FRANKFORD, SOUTH DAKOTA

PHONE 472-0364

Raymond

532-3998

DRILLING REPORT

Location of Well: NE 15 Section 115 Township 63 Range

Well to be drilled for: Bill Koster (Name) Red Field (Address)

Spink (County) S. Dak. (State)

Date well drilling started 12-9-81 finished

Purpose of well Irr. Test holes
(domestic, irrigation, industrial, other)

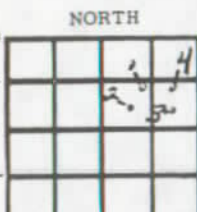
Depth _____ ft. Casing Diameter _____ inches

Slot Size _____ Screen Size _____

Screen Depth: From _____ ft. to _____ ft.

Remarks: _____

1 Mile



REPORT OF FINAL PUMPING TEST

Write Additional Times and Readings on Back of Page

Elapsed Time From Start of Pumping		Water Level		Discharge
O hr.	O min.	ft.	in.	(Static)
hr.	min.	ft.	in.	GPM
hr.	min.	ft.	in.	GPM
hr.	min.	ft.	in.	GPM
hr.	min.	ft.	in.	RECOVERY

205' test holes

Formation: Clay, Silt, Sand, Gravel, Color, Hard or Soft, etc.

Depth (ft.)
From To

Formation (Continued)

Depth (ft.)
From To

Top Soil
Clay
brown fine Sand
fine med Sand
Clay

0 2
2 11
11 29
29 41
41 45

③

Top Soil
Clay
fine brown Sand
med Sand
Clay

0 2
2 14
14 34
34 48
48 50

Top Soil
Clay
Coarse Sand
Clay
fine Sand
Clay

0 2
2 28
28 29
29 43
43 49
49 60

④

Top Soil
Clay
brown Sand
med Sand
Clay

0 2
2 12
12 27
27 46
46 50

Allen Kutzschman
Empire
Drilling Co.

#1 on application

#2 on application

#2 on application

NOT TO SCALE

x = well



RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 5266-3, William Koester

Pursuant to SDCL 46-2A-2, the following is the recommendation of the Chief Engineer, Water Rights Division, Department of Water and Natural Resources concerning Water Permit Application No. 5266-3, William Koester, RR 2, Box 65, Redfield SD.

The Chief Engineer is recommending APPROVAL of Application No. 5266-3 because 1) there is reasonable probability that there is unappropriated water available for the applicant's proposed use, 2) the proposed diversion can be developed without unlawful impairment of existing rights, 3) the proposed use is a beneficial use and 4) in the public interest with the following qualifications:

1. The well authorized pursuant to this permit shall be constructed by a licensed well driller and construction shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04.
2. The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
3. This permit is approved subject to the irrigation water use questionnaire being submitted each year.

See the attached report for additional information.


JOHN HATCH, Chief Engineer
January 24, 1989

Report on Application No. 5266-3
William Koester
January 23, 1989

This application proposes to reinstate Water Permit No. 4870-3 to appropriate 2.20 cfs from 3 wells approximately 46 feet deep to irrigate 156 acres. The 3 existing wells are located in the NE1/4 NE1/4 (2 wells), SE1/4 NE1/4 (1 well) and the acreage to be irrigated in the NE1/4; all in Section 15, T115N-R63W in Spink County.

Aquifer - Tulare-Hitchcock (T-H)

The Tulare-Hitchcock consists of glacial outwash (sand and gravel) under water table conditions in this area. Test hole and observation well data for this area indicate a clay layer of up to 15 feet in thickness overlying the aquifer. The T-H Aquifer underlies 96,000 acres and contains an estimated 360,000 acre-feet of recoverable water (Hedges, 1982). The T-H is hydraulically connected to the Tulare Western Spink to the west, the T-H to the south in Beadle County and discharges towards the James River to the east. Locally, ground water movement is from northwest to southeast towards an unnamed creek which probably is at least a partial hydrologic boundary. Recharge can occur over the entire aquifer area and has been estimated in the range of 1 to 2 in/yr (Hedges, 1982). In a study of the Tulare Aquifer (Kuiper, 1984) estimated a recharge rate of .83 in/yr. This estimate also included portions of the aquifer which are buried and under artesian conditions along with the water table areas so in a sense represents an average value. The higher recharge estimates for the water table portions of the aquifer seem likely and reasonable.

The Division of Water Rights monitors 19 observation wells in the T-H Aquifer in Spink County (Water Rights, 1989). Three of these wells (SP-53A, SP-82F, SD-82G) are located near this application and hydrographs for these wells are included with this report. The hydrographs all show similar responses to wet and dry climatic conditions. There is no indication that pumping for irrigation is adversely affecting the water quantity in the aquifer.

Review of Existing Water Rights

There are 3 water permits/rights in this area within 1 mile of this application. These are Permit Nos. 3261-3A, 4703-3 and 4819-3. These permits are all developed and licensed. Because the aquifer is relatively thin, the existing permits have 3 wells apiece in order to provide enough water for center pivots. This is because individual wells will yield about 300 gpm not because of interference. Drawdowns caused by pumping do not extend very far from individual production wells in high permeability aquifers under water table conditions like the T-H Aquifer. The hydrographs provided with the report do not obviously show drawdowns.

Conclusions

1. Water is available from the T-H Aquifer.
2. Interference is not expected to be a problem. Drawdowns will not extend very far from production wells, Because the aquifer is relatively thin extended drought conditions could cause some decline in ground water levels and affect well yields. However, observation well data (hydrographs) indicate the aquifer is able to provide the amount of water necessary for the period of record.
3. Other permits in the area require 3 wells to get enough water to run a center pivot.
4. There is no history of well problems or water availability complaints from this area.
5. This is a reinstatement and should be considered a new permit in terms of priority.
6. Recent studies in South Dakota have demonstrated that agricultural land uses over shallow water table aquifers such as the T-H Aquifer may affect water quality of the aquifer.


JAMES A. GOODMAN
Hydrologist

Bibliography

- Hedges, L.S., 1982, Evaluation of Ground-Water Resources Eastern and Upper Big Sioux River, SD and Iowa, for US Army Corps of Engineers, SD DWR, SDGS, Vermillion, SD 57069
- Kuiper, L.K., 1984, Appraisal of the Water Resources of the Eastern Part of the Tulare Aquifer, Beadle, Hand, and Spink Counties, SD, USGS, WRI 84-4078, USGS, Huron, SD 57350
- Water Rights, 1989, Observation Well Records for T-H Aquifer in Spink County SD, SD DWR, Division of Water Rights, Joe Foss Bldg, Pierre, SD 57501

OBSERVATION WELL WATER LEVELS

OBS_WELL	LOCATION	DATE	READING
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10:59 WEDNESDAY, FEBRUARY 8, 1989 1

SP-82F	115N-63W-14BBBC	09/16/82	-24.1
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SP-82F	115N-63W-14BBBC	04/04/83	-24.1
SP-82F	115N-63W-14BBBC	05/12/83	-24.1
SP-82F	115N-63W-14BBBC	05/25/83	-24.1
SP-82F	115N-63W-14BBBC	06/08/83	-24.1
SP-82F	115N-63W-14BBBC	06/22/83	-24.1
SP-82F	115N-63W-14BBBC	07/08/83	-24.1
SP-82F	115N-63W-14BBBC	07/21/83	-24.8
SP-82F	115N-63W-14BBBC	08/09/83	-24.2
SP-82F	115N-63W-14BBBC	08/24/83	-24.5
SP-82F	115N-63W-14BBBC	09/14/83	-24.5
SP-82F	115N-63W-14BBBC	11/16/83	-24.6
SP-82F	115N-63W-14BBBC	04/18/84	-24.0
SP-82F	115N-63W-14BBBC	05/16/84	-24.1
SP-82F	115N-63W-14BBBC	05/29/84	-24.0
SP-82F	115N-63W-14BBBC	06/13/84	-24.0
SP-82F	115N-63W-14BBBC	06/27/84	-24.0
SP-82F	115N-63W-14BBBC	07/10/84	-24.0
SP-82F	115N-63W-14BBBC	07/23/84	-24.1
SP-82F	115N-63W-14BBBC	08/07/84	-24.2
SP-82F	115N-63W-14BBBC	08/21/84	-24.4
SP-82F	115N-63W-14BBBC	09/11/84	-24.4
SP-82F	115N-63W-14BBBC	10/25/84	-24.3
SP-82F	115N-63W-14BBBC	02/28/85	-24.5
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SP-82F	115N-63W-14BBBC	05/29/85	-24.2
SP-82F	115N-63W-14BBBC	06/12/85	-24.1
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SP-82F	115N-63W-14BBBC	08/08/85	-24.6
SP-82F	115N-63W-14BBBC	09/05/85	-24.8
SP-82F	115N-63W-14BBBC	10/16/85	-24.3
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SP-82F	115N-63W-14BBBC	08/26/86	-22.8
SP-82F	115N-63W-14BBBC	10/01/86	-22.7
SP-82F	115N-63W-14BBBC	11/19/86	-22.6
SP-82F	115N-63W-14BBBC	03/10/87	-22.3
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SP-82F	115N-63W-14BBBC	06/11/87	-22.0
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OBSERVATION WELL WATER LEVELS

OBS_WELL	LOCATION	DATE	READING
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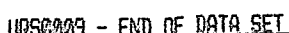
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SP-82F	115N-63W-14BBBC	09/22/88	-23.4
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10:50 WEDNESDAY, FEBRUARY 8, 1989 3

READING 1



OBSERVATION WELL WATER LEVELS

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SP-826	115N-63W-12CCCC	05/25/83	-15.5
SP-826	115N-63W-12CCCC	05/08/83	-15.5
SP-826	115N-63W-12CCCC	06/22/83	-15.4
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SP-826	115N-63W-12CCCC	08/09/83	-15.4
SP-826	115N-63W-12CCCC	08/24/83	-15.5
SP-826	115N-63W-12CCCC	09/14/83	-15.6
SP-826	115N-63W-12CCCC	11/16/83	-15.0
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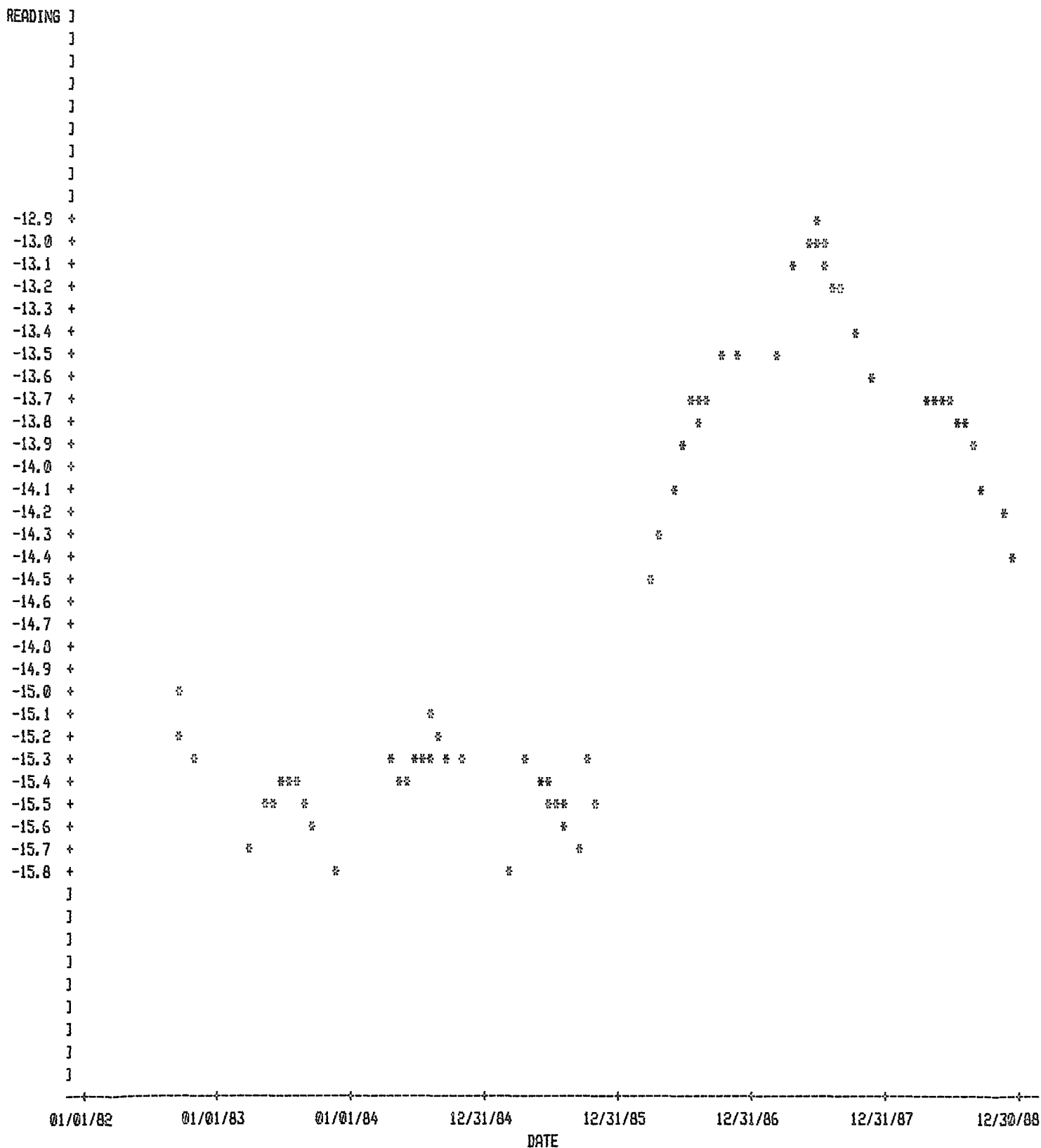
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SP-826	115N-63W-12CCCC	04/07/88	-13.7
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N= 71

OBSERVATION WELL WATER LEVELS
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8:56 WEDNESDAY, FEBRUARY 8, 1989 3

PLOT OF READING*DATE SYMBOL USED IS *



NOTE: 7 OBS HIDDEN

UDSC009 - END OF DATA SET

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OBSERVATION WELL WATER LEVELS			
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SP-53A	115N-63W-03BBBB	10/25/61	-22.0
SP-53A	115N-63W-03BBBB	11/28/61	-22.0
SP-53A	115N-63W-03BBBB	12/29/61	-22.0
SP-53A	115N-63W-03BBBB	01/29/62	-22.0
SP-53A	115N-63W-03BBBB	03/27/62	-22.0
SP-53A	115N-63W-03BBBB	04/30/62	-22.0

OBSERVATION WELL WATER LEVELS

9:16 WEDNESDAY, FEBRUARY 8, 1989 3

OBS_WELL	LOCATION	DATE	READING
SP-53A	115N-63W-03BBBB	05/29/62	-21.9
SP-53A	115N-63W-03BBBB	06/29/62	-21.3
SP-53A	115N-63W-03BBBB	08/01/62	-21.0
SP-53A	115N-63W-03BBBB	08/28/62	-20.9
SP-53A	115N-63W-03BBBB	10/08/62	-20.7
SP-53A	115N-63W-03BBBB	11/09/62	-20.7
SP-53A	115N-63W-03BBBB	12/12/62	-20.7
SP-53A	115N-63W-03BBBB	01/17/63	-20.7
SP-53A	115N-63W-03BBBB	02/18/63	-20.7
SP-53A	115N-63W-03BBBB	03/20/63	-20.8
SP-53A	115N-63W-03BBBB	04/24/63	-20.7
SP-53A	115N-63W-03BBBB	07/22/63	-20.8
SP-53A	115N-63W-03BBBB	08/27/63	-20.7
SP-53A	115N-63W-03BBBB	09/30/63	-20.6
SP-53A	115N-63W-03BBBB	10/31/63	-20.7
SP-53A	115N-63W-03BBBB	12/02/63	-20.7
SP-53A	115N-63W-03BBBB	01/03/64	-20.8
SP-53A	115N-63W-03BBBB	02/04/64	-20.8
SP-53A	115N-63W-03BBBB	03/06/64	-20.9
SP-53A	115N-63W-03BBBB	04/03/64	-20.9
SP-53A	115N-63W-03BBBB	05/04/64	-20.9
SP-53A	115N-63W-03BBBB	06/08/64	-20.8
SP-53A	115N-63W-03BBBB	07/13/64	-20.8
SP-53A	115N-63W-03BBBB	08/17/64	-20.9
SP-53A	115N-63W-03BBBB	09/28/64	-20.9
SP-53A	115N-63W-03BBBB	10/02/64	-20.9
SP-53A	115N-63W-03BBBB	12/28/64	-21.0
SP-53A	115N-63W-03BBBB	01/28/65	-21.2
SP-53A	115N-63W-03BBBB	03/12/65	-21.2
SP-53A	115N-63W-03BBBB	04/20/65	-20.9
SP-53A	115N-63W-03BBBB	05/25/65	-21.2
SP-53A	115N-63W-03BBBB	06/25/65	-21.2
SP-53A	115N-63W-03BBBB	07/26/65	-21.3
SP-53A	115N-63W-03BBBB	08/26/65	-21.3
SP-53A	115N-63W-03BBBB	09/23/65	-21.3
SP-53A	115N-63W-03BBBB	11/05/65	-21.4
SP-53A	115N-63W-03BBBB	12/08/65	-21.4
SP-53A	115N-63W-03BBBB	01/10/66	-21.5
SP-53A	115N-63W-03BBBB	02/04/66	-21.4
SP-53A	115N-63W-03BBBB	03/14/66	-21.5
SP-53A	115N-63W-03BBBB	04/15/66	-21.6
SP-53A	115N-63W-03BBBB	05/18/66	-21.6
SP-53A	115N-63W-03BBBB	06/15/66	-21.6
SP-53A	115N-63W-03BBBB	07/20/66	-21.6
SP-53A	115N-63W-03BBBB	08/22/66	-21.6
SP-53A	115N-63W-03BBBB	09/20/66	-21.6
SP-53A	115N-63W-03BBBB	10/20/66	-21.6
SP-53A	115N-63W-03BBBB	11/22/66	-21.6
SP-53A	115N-63W-03BBBB	12/22/66	-21.7
SP-53A	115N-63W-03BBBB	01/26/67	-21.7
SP-53A	115N-63W-03BBBB	02/25/67	-21.7
SP-53A	115N-63W-03BBBB	03/28/67	-21.7
SP-53A	115N-63W-03BBBB	04/27/67	-21.8
SP-53A	115N-63W-03BBBB	05/26/67	-21.8
SP-53A	115N-63W-03BBBB	06/26/67	-21.8

OBSERVATION WELL WATER LEVELS			
OBS_WELL	LOCATION	DATE	READING
SP-53A	115N-63W-03BBBB	07/25/67	-21.7
SP-53A	115N-63W-03BBBB	08/28/67	-21.7
SP-53A	115N-63W-03BBBB	09/26/67	-21.8
SP-53A	115N-63W-03BBBB	10/25/67	-21.8
SP-53A	115N-63W-03BBBB	11/24/67	-21.8
SP-53A	115N-63W-03BBBB	12/26/67	-21.9
SP-53A	115N-63W-03BBBB	01/26/68	-21.8
SP-53A	115N-63W-03BBBB	02/27/68	-21.9
SP-53A	115N-63W-03BBBB	03/25/68	-22.0
SP-53A	115N-63W-03BBBB	04/29/68	-22.1
SP-53A	115N-63W-03BBBB	05/31/68	-22.1
SP-53A	115N-63W-03BBBB	06/24/68	-22.1
SP-53A	115N-63W-03BBBB	07/25/68	-22.1
SP-53A	115N-63W-03BBBB	08/27/68	-22.0
SP-53A	115N-63W-03BBBB	09/30/68	-22.1
SP-53A	115N-63W-03BBBB	10/25/68	-22.2
SP-53A	115N-63W-03BBBB	11/25/68	-22.1
SP-53A	115N-63W-03BBBB	12/14/68	-22.2
SP-53A	115N-63W-03BBBB	02/05/69	-22.1
SP-53A	115N-63W-03BBBB	03/24/69	-22.3
SP-53A	115N-63W-03BBBB	04/22/69	-22.2
SP-53A	115N-63W-03BBBB	05/28/69	-22.2
SP-53A	115N-63W-03BBBB	07/01/69	-22.2
SP-53A	115N-63W-03BBBB	07/29/69	-22.1
SP-53A	115N-63W-03BBBB	09/12/69	-22.0
SP-53A	115N-63W-03BBBB	10/08/69	-22.0
SP-53A	115N-63W-03BBBB	10/31/69	-22.0
SP-53A	115N-63W-03BBBB	12/03/69	-22.1
SP-53A	115N-63W-03BBBB	01/08/70	-22.1
SP-53A	115N-63W-03BBBB	02/05/70	-22.2
SP-53A	115N-63W-03BBBB	03/05/70	-22.2
SP-53A	115N-63W-03BBBB	03/31/70	-22.2
SP-53A	115N-63W-03BBBB	04/30/70	-22.1
SP-53A	115N-63W-03BBBB	05/03/70	-22.1
SP-53A	115N-63W-03BBBB	07/02/70	-22.0
SP-53A	115N-63W-03BBBB	08/04/70	-22.0
SP-53A	115N-63W-03BBBB	09/02/70	-21.9
SP-53A	115N-63W-03BBBB	10/13/70	-22.0
SP-53A	115N-63W-03BBBB	11/04/70	-22.0
SP-53A	115N-63W-03BBBB	12/02/70	-22.0
SP-53A	115N-63W-03BBBB	01/04/71	-22.0
SP-53A	115N-63W-03BBBB	02/03/71	-22.0
SP-53A	115N-63W-03BBBB	03/02/71	-22.1
SP-53A	115N-63W-03BBBB	03/31/71	-22.1
SP-53A	115N-63W-03BBBB	05/03/71	-22.1
SP-53A	115N-63W-03BBBB	06/02/71	-22.2
SP-53A	115N-63W-03BBBB	06/30/71	-22.2
SP-53A	115N-63W-03BBBB	08/03/71	-22.2
SP-53A	115N-63W-03BBBB	09/09/71	-22.2
SP-53A	115N-63W-03BBBB	10/04/71	-22.2
SP-53A	115N-63W-03BBBB	11/08/71	-22.2
SP-53A	115N-63W-03BBBB	12/10/71	-22.2
SP-53A	115N-63W-03BBBB	01/03/72	-22.3
SP-53A	115N-63W-03BBBB	03/05/72	-22.2
SP-53A	115N-63W-03BBBB	04/26/72	-22.1

OBS_WELL	LOCATION	DATE	READING
SP-53A	115N-63W-03BBBB	05/03/72	-22.1
SP-53A	115N-63W-03BBBB	05/07/72	-21.8
SP-53A	115N-63W-03BBBB	07/06/72	-21.8
SP-53A	115N-63W-03BBBB	08/02/72	-21.7
SP-53A	115N-63W-03BBBB	09/02/72	-21.6
SP-53A	115N-63W-03BBBB	10/03/72	-21.6
SP-53A	115N-63W-03BBBB	11/06/72	-21.6
SP-53A	115N-63W-03BBBB	01/10/73	-21.6
SP-53A	115N-63W-03BBBB	02/08/73	-21.7
SP-53A	115N-63W-03BBBB	03/08/73	-21.7
SP-53A	115N-63W-03BBBB	04/03/73	-22.2
SP-53A	115N-63W-03BBBB	04/05/73	-21.6
SP-53A	115N-63W-03BBBB	05/02/73	-21.6
SP-53A	115N-63W-03BBBB	06/05/73	-21.6
SP-53A	115N-63W-03BBBB	07/10/73	-21.6
SP-53A	115N-63W-03BBBB	08/06/73	-21.6
SP-53A	115N-63W-03BBBB	09/11/73	-21.6
SP-53A	115N-63W-03BBBB	10/11/73	-21.6
SP-53A	115N-63W-03BBBB	11/07/73	-21.7
SP-53A	115N-63W-03BBBB	01/08/74	-21.7
SP-53A	115N-63W-03BBBB	02/26/74	-21.7
SP-53A	115N-63W-03BBBB	04/04/74	-21.8
SP-53A	115N-63W-03BBBB	05/08/74	-21.8
SP-53A	115N-63W-03BBBB	07/03/74	-21.9
SP-53A	115N-63W-03BBBB	08/01/74	-21.9
SP-53A	115N-63W-03BBBB	09/05/74	-21.9
SP-53A	115N-63W-03BBBB	10/02/74	-21.9
SP-53A	115N-63W-03BBBB	11/04/74	-21.9
SP-53A	115N-63W-03BBBB	12/04/74	-21.9
SP-53A	115N-63W-03BBBB	03/06/75	-22.0
SP-53A	115N-63W-03BBBB	05/07/75	-22.1
SP-53A	115N-63W-03BBBB	06/04/75	-22.0
SP-53A	115N-63W-03BBBB	08/01/75	-22.1
SP-53A	115N-63W-03BBBB	09/03/75	-22.1
SP-53A	115N-63W-03BBBB	10/03/75	-22.1
SP-53A	115N-63W-03BBBB	12/03/75	-22.1
SP-53A	115N-63W-03BBBB	01/13/76	-22.2
SP-53A	115N-63W-03BBBB	03/10/76	-22.2
SP-53A	115N-63W-03BBBB	04/07/76	-22.2
SP-53A	115N-63W-03BBBB	04/28/76	-22.2
SP-53A	115N-63W-03BBBB	06/02/76	-22.3
SP-53A	115N-63W-03BBBB	07/02/76	-22.3
SP-53A	115N-63W-03BBBB	08/03/76	-22.3
SP-53A	115N-63W-03BBBB	09/09/76	-22.3
SP-53A	115N-63W-03BBBB	09/28/76	-22.3
SP-53A	115N-63W-03BBBB	11/03/76	-22.3
SP-53A	115N-63W-03BBBB	03/09/77	-22.4
SP-53A	115N-63W-03BBBB	04/07/77	-22.4
SP-53A	115N-63W-03BBBB	05/03/77	-22.4
SP-53A	115N-63W-03BBBB	06/03/77	-22.3
SP-53A	115N-63W-03BBBB	08/30/77	-22.3
SP-53A	115N-63W-03BBBB	09/28/77	-22.2
SP-53A	115N-63W-03BBBB	12/16/77	-22.2
SP-53A	115N-63W-03BBBB	05/27/79	-22.1
SP-53A	115N-63W-03BBBB	07/12/79	-21.9

OBSERVATION WELL WATER LEVELS

9:16 WEDNESDAY, FEBRUARY 8, 1989 6

OBS_WELL	LOCATION	DATE	READING
SP-53A	115N-63W-03BBBB	07/24/79	-21.9
SP-53A	115N-63W-03BBBB	08/08/79	-22.0
SP-53A	115N-63W-03BBBB	08/21/79	-22.0
SP-53A	115N-63W-03BBBB	09/05/79	-22.0
SP-53A	115N-63W-03BBBB	09/25/79	-22.0
SP-53A	115N-63W-03BBBB	10/17/79	-22.0
SP-53A	115N-63W-03BBBB	12/11/79	-22.0
SP-53A	115N-63W-03BBBB	02/12/80	-22.2
SP-53A	115N-63W-03BBBB	04/03/80	-22.2
SP-53A	115N-63W-03BBBB	05/21/80	-22.3
SP-53A	115N-63W-03BBBB	06/05/80	-22.2
SP-53A	115N-63W-03BBBB	06/20/80	-22.1
SP-53A	115N-63W-03BBBB	07/02/80	-22.1
SP-53A	115N-63W-03BBBB	07/16/80	-22.0
SP-53A	115N-63W-03BBBB	07/29/80	-21.9
SP-53A	115N-63W-03BBBB	08/13/80	-21.9
SP-53A	115N-63W-03BBBB	08/27/80	-21.9
SP-53A	115N-63W-03BBBB	09/11/80	-21.7
SP-53A	115N-63W-03BBBB	11/20/80	-21.9
SP-53A	115N-63W-03BBBB	02/26/81	-21.9
SP-53A	115N-63W-03BBBB	03/26/81	-21.9
SP-53A	115N-63W-03BBBB	05/07/81	-22.0
SP-53A	115N-63W-03BBBB	05/28/81	-21.9
SP-53A	115N-63W-03BBBB	06/10/81	-22.1
SP-53A	115N-63W-03BBBB	07/15/81	-22.0
SP-53A	115N-63W-03BBBB	08/13/81	-21.9
SP-53A	115N-63W-03BBBB	08/20/81	-22.1
SP-53A	115N-63W-03BBBB	09/18/81	-22.3
SP-53A	115N-63W-03BBBB	10/30/81	-22.1
SP-53A	115N-63W-03BBBB	12/15/81	-22.2
SP-53A	115N-63W-03BBBB	03/04/82	-22.3
SP-53A	115N-63W-03BBBB	04/28/82	-22.3
SP-53A	115N-63W-03BBBB	07/22/82	-22.2
SP-53A	115N-63W-03BBBB	08/19/82	-22.2
SP-53A	115N-63W-03BBBB	09/21/82	-22.8
SP-53A	115N-63W-03BBBB	04/04/83	-22.2
SP-53A	115N-63W-03BBBB	05/25/83	-22.2
SP-53A	115N-63W-03BBBB	06/22/83	-22.1
SP-53A	115N-63W-03BBBB	07/21/83	-22.1
SP-53A	115N-63W-03BBBB	09/14/83	-22.0
SP-53A	115N-63W-03BBBB	11/16/83	-22.2
SP-53A	115N-63W-03BBBB	04/17/84	-22.0
SP-53A	115N-63W-03BBBB	05/16/84	-22.0
SP-53A	115N-63W-03BBBB	05/29/84	-22.0
SP-53A	115N-63W-03BBBB	06/27/84	-21.8
SP-53A	115N-63W-03BBBB	07/23/84	-21.9
SP-53A	115N-63W-03BBBB	08/21/84	-21.7
SP-53A	115N-63W-03BBBB	09/11/84	-21.8
SP-53A	115N-63W-03BBBB	02/28/85	-22.0
SP-53A	115N-63W-03BBBB	04/10/85	-21.9
SP-53A	115N-63W-03BBBB	05/29/85	-21.9
SP-53A	115N-63W-03BBBB	06/26/85	-22.0
SP-53A	115N-63W-03BBBB	07/11/85	-21.9
SP-53A	115N-63W-03BBBB	08/08/85	-21.9
SP-53A	115N-63W-03BBBB	10/16/85	-21.5

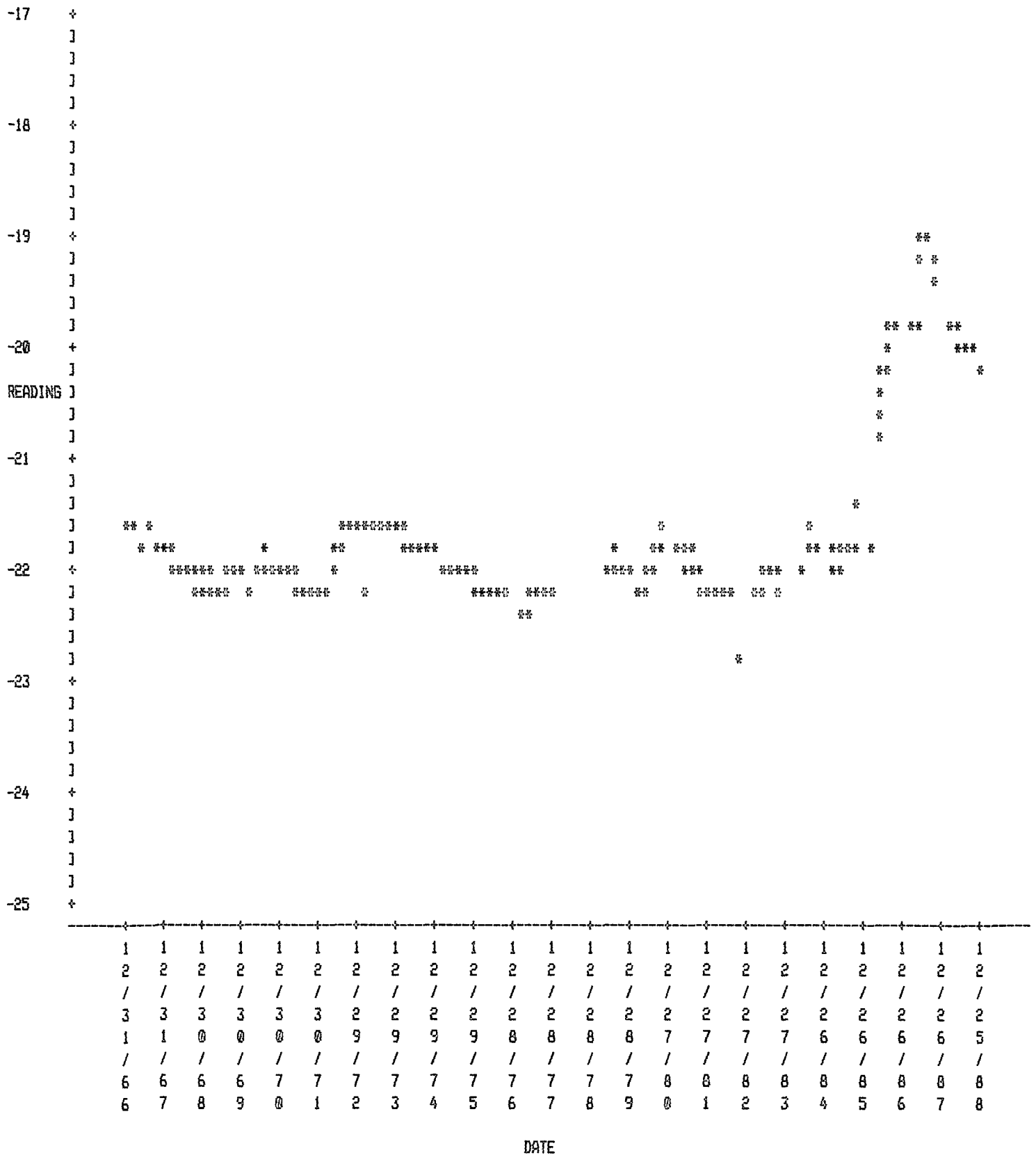
OBS_WELL	OBSERVATION WELL WATER LEVELS		READING
	LOCATION	DATE	
SP-53A	115N-63W-03BBBB	11/06/85	-21.8
SP-53A	115N-63W-03BBBB	03/27/86	-21.8
SP-53A	115N-63W-03BBBB	04/30/86	-20.9
SP-53A	115N-63W-03BBBB	05/14/86	-20.5
SP-53A	115N-63W-03BBBB	05/23/86	-20.7
SP-53A	115N-63W-03BBBB	06/04/86	-20.4
SP-53A	115N-63W-03BBBB	06/20/86	-20.3
SP-53A	115N-63W-03BBBB	07/01/86	-20.3
SP-53A	115N-63W-03BBBB	07/16/86	-20.1
SP-53A	115N-63W-03BBBB	07/29/86	-20.1
SP-53A	115N-63W-03BBBB	08/13/86	-20.0
SP-53A	115N-63W-03BBBB	08/26/86	-19.9
SP-53A	115N-63W-03BBBB	10/01/86	-19.9
SP-53A	115N-63W-03BBBB	03/10/87	-19.8
SP-53A	115N-63W-03BBBB	04/22/87	-19.9
SP-53A	115N-63W-03BBBB	05/28/87	-19.3
SP-53A	115N-63W-03BBBB	06/11/87	-19.1
SP-53A	115N-63W-03BBBB	06/26/87	-19.1
SP-53A	115N-63W-03BBBB	07/09/87	-19.0
SP-53A	115N-63W-03BBBB	07/21/87	-19.0
SP-53A	115N-63W-03BBBB	08/06/87	-19.1
SP-53A	115N-63W-03BBBB	08/18/87	-19.0
SP-53A	115N-63W-03BBBB	10/08/87	-19.2
SP-53A	115N-63W-03BBBB	11/19/87	-19.5
SP-53A	115N-63W-03BBBB	04/07/88	-19.9
SP-53A	115N-63W-03BBBB	05/12/88	-19.9
SP-53A	115N-63W-03BBBB	05/26/88	-19.9
SP-53A	115N-63W-03BBBB	06/24/88	-20.0
SP-53A	115N-63W-03BBBB	07/07/88	-20.0
SP-53A	115N-63W-03BBBB	07/21/88	-20.1
SP-53A	115N-63W-03BBBB	08/04/88	-20.0
SP-53A	115N-63W-03BBBB	08/18/88	-20.0
SP-53A	115N-63W-03BBBB	09/22/88	-20.0
SP-53A	115N-63W-03BBBB	12/15/88	-20.2

N= 364

OBSERVATION WELL WATER LEVELS
OBS_WELL=SP-53A

9:16 WEDNESDAY, FEBRUARY 8, 1989 8

PLOT OF READING*DATE SYMBOL USED IS *



NOTE: 159 OBS HAD MISSING VALUES OR WERE OUT OF RANGE 74 OBS HIDDEN

U050009 - END OF DATA SET



Department of Water & Natural Resources

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

January 26, 1989

NOTE: TO BE SURE OF PUBLICATION ON
THE CORRECT DATES, CONTACT
THE NEWSPAPER RIGHT AWAY.

William Koester
RR2, Box 65
Redfield, SD 57469

Dear Mr. Koester:

Your Application No. 5266-3 for a permit to appropriate water for irrigation use has been examined and found to comply with the South Dakota Water Laws and applicable rules. A notice of your intent to appropriate water has been sent to the Publisher of the Redfield Press printed at Redfield SD. For your information, a copy of the notice is enclosed. The recommendation of the Chief Engineer and a report on the application will be sent to you later. Please review the notice prior to publication and notify this office, if you have any corrections or questions.

Be sure to contact the above newspaper to authorize publication of your Notice of Intent to Appropriate Water and to arrange for payment. Early contact with the paper can eliminate delays. The publisher has been instructed to publish your notice once each week for two consecutive weeks with the last publication to occur twenty days before the board meeting. We must receive Proof of Publication before the application can be considered by the Water Management Board.

Sincerely,

Ron Duvall
Natural Resources Engineer
605 773-3352

enclosures





Department of Water & Natural Resources

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

January 26, 1989

Redfield Press
Box 440
Redfield, SD 57469

Dear Sir:

Enclosed is a Notice of Hearing on Application No. 5266-3 to be published twice. Please publish the first notice on or before February 1, 1989 with the second publication 7 days later.

The APPLICANT MUST VERIFY TO YOU THAT THE NOTICE IS TO BE PUBLISHED, before you make the first publication. Please BILL the APPLICANT for the cost of publication. The APPLICANT is William Koester, RR2, Box 65, Redfield, SD 57469.

A copy of BOTH publications must be SENT to the WATER RIGHTS DIVISION. IMMEDIATELY return the FIRST publication with the FIRST Transmittal form on the bottom of this page. The first copy is needed to check the publication for errors so any corrections can be made in the second publication. Publication errors can invalidate the public notice and cause the applicant costly delays.

Please be sure the SECOND publication is returned IMMEDIATELY with the enclosed Proof of Publication form. DO NOT WAIT until the end of the month or the billing cycle. The permit application cannot be considered by the Water Management Board until proof of publication has been received.

Sincerely,

Ron Duvall
Natural Resources Engineer
605 773-3352

enclosures

CUT HERE

FIRST TRANSMITTAL NOTICE

TO: Ron Duvall
Water Rights Division
Joe Foss Building
Pierre SD 57501-3181

No. _____

Date _____

We are in receipt of your letter of _____ enclosing Notice of Hearing to Appropriate Water by Application No. _____ which was first published in our issue of _____. ENCLOSED IS A COPY OF THIS FIRST PUBLICATION.

Name _____

Newspaper _____



Instruction to Newspaper - Publish first Notice on or before February 1, 1989 with 2nd publication 7 days later. The applicant is responsible for payment.

NOTICE OF HEARING on Application No. 5266-3, to reinstate Water Permit No. 4870-3 to
Appropriate Water

Notice is given that William Koester, RR2, Box 65, Redfield, SD 57469, has filed an application for a water permit to reinstate Water Permit No. 4870-3 to appropriate 2.20 cubic feet of water per second from 3 wells approximately 46 feet deep to irrigate 156 acres. The 3 existing wells are located in the NE 1/4 NE 1/4 (2 wells), SE 1/4 NE 1/4 (1 well) and the acreage to be irrigated in the NE 1/4; all in Section 15-T115N-R63W.

Pursuant to SDCL 46-2A-2, the Chief Engineer of the Water Rights Division recommends APPROVAL of Application No. 5266-3 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water and 4) it is in the public interest. This application will be considered by the Water Management Board at the Howard Johnson's, Roosevelt Room, 1-90 at LaCrosse, Rapid City SD on March 1, 1989 at 10:00 am. The Chief Engineer's recommendation is not final or binding upon the Board. The Board is authorized to 1) approve, 2) approve with qualifications, 3) defer or 4) deny this application based on the facts presented at the public hearing.

Any interested person that intends to participate in the hearing before the Board by presenting evidence or cross-examining witnesses according to SDCL 1-26, must file a written petition with BOTH the applicant and Chief Engineer by February 17, 1989. The Chief Engineer's address is "Water Rights Division, Foss Building, 523 E Capitol, Pierre SD 57501 (605 773-3352)". The petition may be informal, but must include a statement describing the petitioner's interest in the application, the petitioner's reasons for opposing or supporting the application and the signature and mailing address of the petitioner or legal counsel if legal counsel is obtained. The applicant need not file a petition. Contact the Water Rights Division to request information on this application or to assure access to the hearing by the handicapped.

This hearing is an adversary proceeding. Any person filing a petition and/or the applicant have the right to be represented by a lawyer. These and other due process rights will be forfeited if not exercised. Decisions of the Board may be appealed to the Circuit Court and State Supreme Court as provided by law. The time of the hearing will also be automatically delayed for at least twenty days upon written request to the Chief Engineer from the applicant or a petitioner. The request for a delay must be received by February 17, 1989.

This application is made pursuant to SDCL 46-1-1 thru 46-1-9, 46-1-12 thru 46-1-15; 46-2-3.1, 46-2-9, 46-2-11, 46-2-13, 46-2-17; 46-2A-1 thru 46-2A-10, 46-2A-12, 46-2A-14, 46-2A-15; 46-5-1 thru 46-5-11, 46-5-13 thru 46-5-15, 46-5-24, 46-5-25, 46-5-30.2, 46-5-30.4, 46-5-31; 46-6-3, 46-6-3.1, 46-6-6.1, 46-6-10, 46-6-13, 46-6-14; and Board Rules ARSD 74:02:01:01 thru 74:02:01:15.

No. 5266-3



PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Spink) ss.

I, Dawn Skaldner 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:

February 1, 1989
February 8, 1989

Dawn Skaldner
(Signature)
Secretary
(Title)
Feb. 8, 1989
(Date Signed)

Cost of Printing: 39.08
64 lines @ 3392 = 2171
2nd insert @ 80% = 17.37
Total = 39.08

No. 44

NOTICE OF HEARING on Application No. 5266-3
to reinstate Water Permit No. 4870-3 to
Appropriate Water.

Notice is given that William Koester, RR 2, B
65, Redfield, SD 57469, has filed an application for
water permit to reinstate Water Permit No. 4870-3
appropriate 2.20 cubic feet of water per second from
3 wells approximately 46 feet deep to irrigate 1
acres. The 3 existing wells are located in the NE 1
NE 1/4 (2 wells), SE 1/4 NE 1/4 (1 well) and th
acreage to be irrigated in the NE 1/4; all in Sectio
15-T115N-R63W.

Pursuant to SDCL 46-2A-2, the Chief Engineer
the Water Rights Division recommends APPROVA
of Application No. 5266-3 because 1) inappropriate
water is available, 2) existing rights will not b
unlawfully impaired, 3) it is a beneficial use of wat
and 4) it is in the public interest. This application w
be considered by the Water Management Board
the Howard Johnson's, Roosevelt Room, 1-90
LaCrosse, Rapid City, SD on March 1, 1989, at 10:0
a.m. The Chief Engineer's recommendation is n
final or binding upon the Board. The Board i
authorized to 1) approve, 2) approve wit
qualifications, 3) defer or 4) deny this applicatio
based on the facts presented at the public hearing.

Any interested person that intends to participat
in the hearing before the Board by presentin
evidence or cross-examining witnesses according t
SDCL 1-26, must file a written petition with BOTH th
applicant and Chief Engineer by February 17, 1989.
The Chief Engineer's address is "Water Right
Division, Foss Building, 523 E. Capitol, Pierre, SI
57501 (605/772-3352)." The petition may b
informal, but must include a statement describing th
petitioner's interest in the application, the petitioner
reasons for opposing or supporting the application
and the signature and mailing address of th
petitioner or legal counsel if legal counsel is obtained.
The applicant need not file a petition. Contact th
Water Rights Division to request information on thi
application or to assure access to the hearing by th
handicapped.

This hearing is an adversary proceeding. Any
person filing a petition and/or the applicant have th
right to be represented by a lawyer. These and other
due process rights will be forfeited if not exercised.
Decisions of the Board may be appealed to the
Circuit Court and State Supreme Court as provide
by law. The time of the hearing will also be
automatically delayed for at least twenty days upo
written request to the Chief Engineer from the
applicant or a petitioner. The request for a delay mus
be received by February 17, 1989.

This application is made pursuant to SDCL 46-1-
1 thru 46-1-9, 46-1-12 thru 46-1-15; 46-2-3.1, 46-2-9,
46-2-11, 46-2-13, 46-2-17; 46-2A-1 thru 46-2A-10,
46-2A-12, 46-2A-14, 46-2A-15; 46-5-1 thru 46-5-11,
46-5-13 thru 46-5-15, 46-5-24, 46-5-25, 46-5-30.2,
46-5-30.3, 46-5-31; 46-6-3, 46-6-3.1, 46-6-6.1, 46-6-
10, 46-6-13, 46-6-14; and Board Rules ARSD
74:02:01.01 thru 74:02:01:15.

(Feb. 1, 8)

SOUTH Dakota Department of
Water & Natural Resources

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

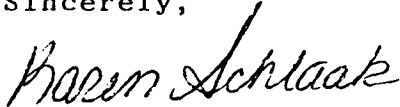
February 22, 1989

William Koester
RR 2, Box 65
Redfield SD 57469

Dear Mr. Koester:

Enclosed is the Report and the Recommendation of the Chief Engineer for your Water Permit Application No. 5266-3.

Sincerely,



KAREN SCHLAAK
Senior Secretary
605 773-3352

enclosures





Department of Water & Natural Resources

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

JUN 13 1989

William Koester
RR 2, Box 65
Redfield SD 57469

Dear Mr. Koester:

Enclosed is Water Permit No. 5266-3 as approved by the Water Management Board authorizing you to construct your water diversion system and put the water to beneficial use, not exceeding the limits as specified in the Water Permit.

Also enclosed is Form 10, Notice of Completion of Works and Application of Water to Beneficial Use, which you are to complete and submit to the Chief Engineer when you have completed the system and/or have put the water to beneficial use. An inspection can then be scheduled so that the Water License may be issued, thus completing your acquisition of a Water Right.

Very truly yours,

JOHN HATCH, Chief Engineer
Water Rights Division
605 773-3352

enclosures

PLEASE NOTE: Certain changes can be made in your permit within the five year construction period, usually without affecting the priority date provided an application to amend your permit is made within the five year period - i.e. changes in location or number of diversion points (wells) or location of land to be irrigated. Well locations for wells into the same aquifer can be moved up to 660 feet without application.

Applications to amend a permit after the five year construction period will be assigned a new priority date. Applications to change water sources, to add lands or increase original diversion rates, if approved will usually receive the date of the new application as a priority date regardless of the five year construction period.





NOTICE OF COMPLETION OF WORKS AND
APPLICATION OF WATER TO BENEFICIAL USE

Date 10-15-91

TO: Water Rights Division, DWNR
Joe Foss Building
Pierre SD 57501-3181

FROM: WILLIAM KOESTER RR2 BOX 65 REDFIELD S.D. 57469
name address city

I have completed the construction of the water diversion system and I have put the water to beneficial use to the maximum extent it is going to be used. I have not exceeded the amounts specified in Water Permit No. 5266-3.

Water Permit No. 5266-3 states that the diversion system is to be constructed by 3-2-1994, and that the water it put to beneficial use by 3-2-1998.

The diversion system was completed on June - 1991.
Applying the water to beneficial use was completed on June - 1991.

You may schedule an inspection so that the Water License may be issued.

William Koester
signature

Permit No. 5266-3
James River - Water District

Report Of Examination Of Works And/Or Application of Water To Beneficial Use

TO: Chief Engineer, Water Rights Program, DENR, Foss Bldg., Pierre, SD 57501

I have this day, July 25, 1996 made a thorough examination of the water use system constructed by William Koester of RR 2 Box 65, Redfield SD 57469 holder of Permit No. 5266-3, bearing the priority of January 23, 1989 authorizing the diversion of 2.20 cu. ft. per second of the waters of Tulare - Hitchcick Aquifer for irrigation purposes, in Spink County.

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

A. Works used to divert the water:

Well #1 is 45 feet deep with 38 feet of 16 inch PVC casing and 7 feet of stainless steel screen; submersible pump and motor rated at 12 hp.

Well #2 is 46 feet deep with 39 feet of 16 inch PVC casing and 7 feet of stainless steel screen; submersible pump and motor rated at 10 hp.

Well #3 is 46 feet deep with 39 feet of 16 inch PVC casing and 7 feet of stainless steel screen; submersible pump and motor rated at 10 hp.

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

1525 feet of 6 inch PVC pipe.

C. Works used to apply water to beneficial use:

Zimmatic center pivot 1284 feet long with 7 towers and an end gun. It is a low pressure system capacity 550 gpm.

The system is in the following condition good. The point of diversion is located well #1 is 1310' W and 60' S, well #2 is 1300' W and 650' S, and well #3 is 1210' W and 1560' S; all of the NE corner Section 15, T115N, R63W. The works are capable of diverting and conveying to the place of use 1.22 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:

Section 15, T115N, R63W:

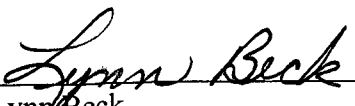
NE¹/₄ NE¹/₄ 30 acres SW¹/₄ NE¹/₄ 33 acres

NW¹/₄ NE¹/₄ 33 acres SE¹/₄ NE¹/₄ 33 acres

comprising a total of 129 acres of land and the license should be issued for 1.22 cfs.

Applicable permit qualifications have been complied with: yes

Exceptions to compliance are: none


Lynn Beck

Natural Resources Engineer
DENR, Water Rights Program

8-27-97
Date

REPORT ON INSPECTION OF PERMIT NO. 5266-3

DATE OF INSPECTION: 7-25-96

Other permit(s) associated with the project: none

NAME & ADDRESS OF INSPECTION CONTACT: William Koester, RR 2 Box 65, Redfield SD 57469
(605) 472-2595

RELATIONSHIP TO PERMIT HOLDER, IF APPLICABLE: same

NAME & ADDRESS OF PERMIT HOLDER: same

DIVERSION POINT LEGAL LOCATION: Well #1 is located 1310' W and 60' S; well #2 is located 1300' W and 650' S; well #3 is located 1210' W and 1560' S all from the NE corner Section 15, T115N, R63W. Well #1 and #2 are in the NE $\frac{1}{4}$ NE $\frac{1}{4}$ and well #3 is in the SE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 15.

WELL INFORMATION:

- 1) Well Drilling Firm: Pullman Well Drilling
- 2) No. of Wells 3
- 3) Depth(s) 45; 46; 46 feet
- 4) Well logs are available yes

Casing:

- 1) Diameter all 16 inches
- 2) Length 38; 39; 39 feet
- 3) Type all PVC

Screen:

- 1) Type all stainless steel
- 2) Length all 7 feet
- 3) Static water level all 22 feet

Pump:

- 1) Make all submersible
- 2) Model #
- 3) Size #
- 4) Capacity # GPM

Motor:

- 1) Make all submersible
- 2) Model No. #
- 3) Horsepower rating 12; 10; 10 hp

DISTRIBUTION LINES OR CANALS:

- 1) Type PVC
- 2) Size 6 inches
- 3) Length 1525 feet

SYSTEM TYPE:

Center pivot:

- 1) Make Zimmatic
- 2) Overall length 1284 feet
- 3) Number of towers 7
- 4) End gun yes
- 5) High or low pressure low
- 6) Capacity 550 GPM

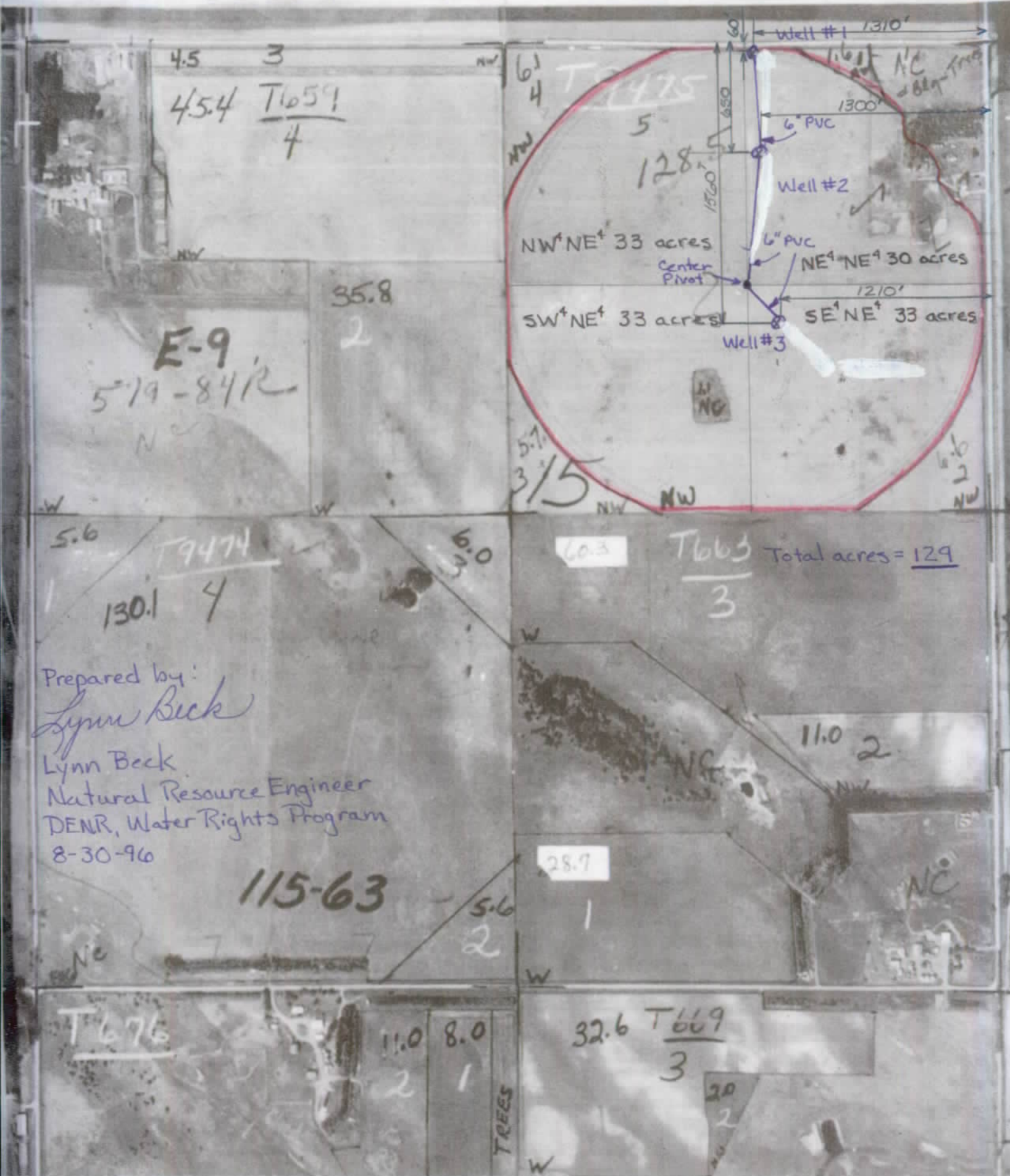
CHEMIGATION EQUIPMENT:

- 1) Does chemigate yes
- 2) Main line check valve yes
- 3) Inspection port/air relief yes
- 4) Low pressure drain yes
- 5) Discharge is 20' from source Hose not there, he will put it on when he chemigates.
- 6) Interlock type electrical
- 7) Injection pump type piston
- 8) Injection check valve yes
- 9) Injection line check valve or positive displacement pump yes
- 10) All chemigation equipment appears to be installed in the proper position and complies with chemigation laws and rules yes
- 11) Comments: #

PERMIT QUALIFICATIONS AND REGULATIONS:

- 1) Special qualifications to permit being abided by yes
- 2) All structures, wells and lands on map yes
- 3) Irrigation Questionnaires checked to determine if permit owner started irrigation by the end of construction period yes

NOT TO SCALE



Prepared by:

Lynn Beck

Lynn Beck

Natural Resource Engineer
DENR, Water Rights Program
8-30-96

115-63

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2



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3181

September 2, 1997

5266-3

William Koester
311 Joliet Ave. SE
DeSmet, SD 57231-2413

Dear Mr. Koester:

The investigation of your water use system, including the extent of application of water to beneficial use, as developed under Water Permit No. 5266-3, has been completed. Your final water right document, the Water License, can now be issued.

Statutes require that we charge a \$50.00 fee for the investigation and issuance of the Water License. Upon receipt of the \$50.00 fee from you, we will begin processing your Water License.

**Please remit fee to:
Department of Environment & Natural Resources
Water Rights Program
523 E. Capitol
Pierre, SD 57501-3181**

Sincerely,

Cheryl F. Frost
Secretary
Water Rights Program
(605) 773-3352

NOTE: On check or money order, please specify your permit number. This will insure proper handling of the fee.

RECEIPT

Division of Water Rights

415461

South Dakota Department of Environment and Natural Resources

Pierre, September 2, 19 97

RECEIVED OF William H. Koester, 311 Joliet Ave., SE, Desmet, SD 57231

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

Fee for Application for Permit No. _____ to Appropriate Water, to construct 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>5266-3</u>	50	00
Fee for Filing Transfer Form _____		
Fee for Filing Extension Request _____		
Fee for _____		

(Any Other Work Provided by Law)	Total	50 00

By John Hatch
Chief Engineer

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 5266-3

(1) William Koester, 311 Joliet Ave SE, DeSmet SD 57231 made Application No. 5266-3, January 23, 1989 for a water permit to divert 2.20 cubic feet of water per second from groundwater (three wells), Spink County, South Dakota for irrigation purposes. Permit No. 5266-3, with a priority date of January 23, 1989 was approved March 2, 1989 and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before March 2, 1994 and for the application to beneficial use of said water on or before March 2, 1998.

The permit holder submitted a *Notice of Completion of Works and Application of Water to Beneficial Use* on November 4, 1991. The *Notice* stated the diversion system was completed June, 1991 and the water placed to beneficial use June, 1991.

(2) It is certified that the applicant has complied with the provisions of South Dakota State Law relating to completion of the construction of the water supply system and is entitled to divert 1.22 cubic feet of water per second for beneficial use. The location of the diversion points are: Well #1 - 1,310 feet west and 60 feet south (NE 1/4 NE 1/4), Well #2 - 1,300 feet west and 650 feet south (NE 1/4 NE 1/4), and Well #3 - 1,210 feet west and 1,560 feet south (SE 1/4 NE 1/4); all from the northeast corner of Section 15-T115N-R63W.

(3) The applicant has complied with the provisions of South Dakota State Law relating to the application of water to beneficial use to irrigate the following land:

Section 15-T115N-R63W	NE 1/4 NE 1/4	30 acres
	NW 1/4 NE 1/4	33 acres
	SW 1/4 NE 1/4	33 acres
	SE 1/4 NE 1/4	33 acres
Total		129 acres

(4) Pursuant to South Dakota Water Law 46-5-30.1 William Koester, 311 Joliet Ave SE, DeSmet SD 57231 the holder and/or owner of Water Permit No. 5266-3 is issued a license to appropriate water, the right to use 1.22 cubic feet of water per second from groundwater (three wells) with a priority date of January 23, 1989 from the location specified in (2) of this license. The water to be conducted to and upon lands specified in (3) of this license for the purpose of irrigation. This license is subject to any limitations or qualifications listed in Water Permit No. 5266-3 and subject to South Dakota State Law.


JOHN HATCH, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

NOV 12 1997

date





**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3181

NOV 12 1997

5266-3

William Koester
311 Joliet Ave. SE
DeSmet, SD 57231

Dear Mr. Koester:

Enclosed is Water License No. 5266-3. This is the final water right document completing your process of obtaining a Water Right. Enclosed is Receipt No. 415461 in the amount of \$50.00 which you paid for the investigation and issuance of the Water License.

For your information SDCL 46-6-27 requires that if the owner of an existing well, such as the well authorized by Water Right No. 5266-3, constructs a replacement well and does not plan to use the old well, the old well is considered abandoned and must be plugged. Also, any well that is being used or is not considered abandoned must be valved and controlled, if flowing, or sealed and capped so that no leaking occurs either underground or at the surface.

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. If you have any questions, please contact our office.

Very truly yours,

JOHN HATCH, Chief Engineer
Water Rights Program
(605) 773-3352

ks
enclosures



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

December 5, 2007

5266-3

Galen & Deanna Koester
17989 394th Ave
Redfield SD 57469

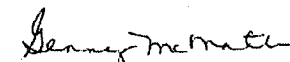
Dear Mr. & Mrs. Koester:

I am writing to you in reference to ownership of land described in Water Right No. 5266-3, listed in the name of William Koester. We were notified on the 2007 irrigation questionnaire that you now own the land. A copy of the water right is enclosed for your review.

Enclosed is a partially completed Notice of Transfer of Ownership form for filing an ownership change. Please review the form and make any necessary corrections. Upon completion, please sign the form and return it to our office with a required filing fee of \$2.50. The check or money order for the fee can be made payable to the Water Rights Program.

If you have any questions concerning the water right or completion of the transfer form, please contact me.

Sincerely,


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

enclosures

RECEIVED

DEC 17 2007

WATER RIGHTS
PROGRAM

NOTICE OF TRANSFER OF OWNERSHIP

To: Chief Engineer
Water Rights Program, DENR
523 E. Capitol
Pierre, SD 57501-3181

No. 5266-3

Date: 12-14-07

I/We request that Water Right No. 5266-3

formerly owned by: William Koester

be transferred to: (name & address) Galen and Deanna Koester
17 989 394th AVE. Redfield, S.D. 57469
Telephone No. 605 4723471

Title to the following described land(s)/property has been transferred as described above:

129 acres - NE ¼ Section 15, T115N, R63W

I/We understand that the validity of Water Right No. 5266-3 has not been determined by this transfer action. If I/We have any questions on validity, I/We understand that only the Water Management Board has the authority to determine if a water permit/right is valid (see note).

You are requested to file this "Notice of Transfer" in the appropriate file with the Water Rights Program, as evidence of the change of ownership.

A fee of Two Dollars and Fifty Cents (\$2.50) is required to cover the filing fees as required under SDCL 46-2-13. This form must be signed by the new owner.

I/We Galen and Deanna Koester, the new owner, certify that the above information is true and correct.


(Signed by new owner)

NOTE: Water permits may be cancelled for nonconstruction after the five year construction period has expired. Once a water permit is developed and the water used, the permit becomes a right. A water right may be lost for three reasons:

1. Abandonment - no intent to use water and use is abandoned.
2. Forfeiture - no use of water for three year period without legal excuse.
3. For a third violation of a condition of a water permit/right.

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date 12/17, 20 07

RECEIVED OF Koester Farms Inc 17989 394th Ave Redfield SD 57469

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

Fee for Application for Permit No. _____ to Appropriate Water, to construct and to put water to beneficial use	2	50
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. _____		
Fee for Filing Transfer Form _____ 5266-3		
Fee for _____		
Fee for Issuing New Well Driller's License No. _____ for C.Y. _____		
Fee for Renewal of Well Driller's License No. _____ for C.Y. _____		
Fee for Issuing Well Pump Installer's License No. _____ for C.Y. _____		
Fee for Renewal of Well Pump Installer's License No. _____ for C.Y. _____		
(Any Other Work Provided by Law)	TOTAL	
	2	50

No.

03200

By

Michael Erdahl
Chief Engineer

22



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

December 17, 2007

5266-3

Galen & Deanna Koester
17989 394th Ave
Redfield SD 57469

Dear Mr. & Mrs. Koester:

I am writing to acknowledge receipt of the "Notice of Transfer of Ownership" form and filing fee you submitted for Water Right No. 5266-3. The ownership change has been completed. The water right, formerly held by William Koester is now listed in your names.

Enclosed is your Receipt No. 03260 in the amount of \$2.50. You may keep this for your records.

If you have any questions, please contact me.

Sincerely,

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

enclosures



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
PMB 2020
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3182
<http://denr.sd.gov>

December 18, 2012

3174A-3
5226-3

Galen & Deanna Koester
18003 394th Ave
Redfield SD 57469 7221

Dear Mr. & Mrs. Koester:

Enclosed is a "Notice" dated October 12, 2012 concerning the 2012 irrigation questionnaire.

The notice was originally mailed to 17989 394th Ave, Redfield SD. The post office notified us that your address has changed and I will update our records accordingly.

If you have any questions, please contact me.

Sincerely,

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

enclosures



5266-3
DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

January 23, 2020

NOTICE

TO: GALEN & DEANNA KOESTER, 18003 394TH AVE, REDFIELD, SD 57469 7221
FROM: Ron Duvall, Natural Resources Engineer
for Jeanne Goodman, Chief Engineer
Water Rights Program

SUBJECT: Reporting Requirement for 2019 Irrigation Questionnaire(s)

Our records indicate your 2019 Irrigation Questionnaire(s) has not been submitted for Permit No(s) 3174A-3 & 5266-3. The request for the Questionnaire was dated October 18, 2019. The Water Management Board has directed that owners of water permits who have not submitted the 2019 Irrigation Questionnaire(s) be given notice of permit violation and a hearing to be held by the Board. The hearing is to determine what action is to be taken for violation of Water Permit No(s) 3174A-3 & 5266-3 qualification:

"This permit is approved subject to the Irrigation Water Use Questionnaire being submitted each year."

The hearing will be held at **Wednesday, February 26, 2020 at 8:30 am (Central Time)** in the Floyd Matthew Training Center, Joe Foss Building, 523 E Capitol Avenue, Pierre, SD and will be conducted pursuant to SDCL 46-1-12, 46-1-14, 46-2-9, 46-2-11 and 46-2-17. These are contested case hearings pursuant to Chapter 1-26. According to SDCL 46-1-12, the Board may suspend a permit for a period of up to one year for the first violation of a permit qualification or up to three years for a second violation, or cancel a permit for a third violation. Following the hearing, the Water Management Board can:

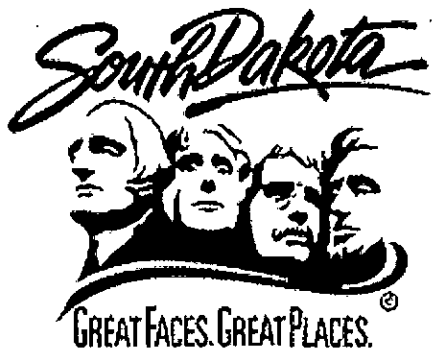
1. Suspend or cancel Permit No(s) 3174A-3 & 5266-3 in accordance with applicable provisions of SDCL 46-1-12;
2. Postpone any action; or
3. Take no action.

The hearing is an adversary proceeding. The permit owner 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. Decisions of the Board may be appealed to the Circuit Court and the State Supreme Court as provided by law.

If the questionnaire(s) is (are) received in this office before the **February 26, 2020** hearing you will no longer be in violation of your permit and your name will be removed from the Board agenda. Enclosed are additional questionnaire(s) for your use. If you have questions or need assistance, please contact Genny McMath at (605) 773-3352 or email at genny.mcmath@state.sd.us. **If you prefer, you can complete the questionnaire online at the following link: <https://denr.sd.gov/iq> using this password: RQROBB**

NOTE: Please contact the Water Rights Program, Joe Foss Building, 523 E Capitol, Pierre, SD (605-773-3352) to assure access to the meeting room for the handicapped or to obtain an interpreter for the hearing impaired.

5266-3



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

January 30, 2020

3174A-3
5266-3

Galen & Deanna Koester
18003 394th Ave
Redfield SD 57469 7221

Dear Mr. & Mrs. Koester:

I am writing to acknowledge receipt of your 2019 irrigation questionnaires.

You may disregard the January 23, 2020, "Notice" concerning reporting requirements for Water Right Nos. 3174A-3 & 5266-3. The information was received in our office prior to the Water Management Board meeting and your name has been deleted from the agenda.

If you have any questions, please contact me.

Sincerely,

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