

PK - 984-2173

2756-3

Walter H. Cole
Fiddler

Observation H.C. Jan 22 by R.R.

Handwritten: Rdg. 22.4 -

100 178 of C. G. Well

Motor U.S. (Rev.)

ID# R-2842-07-8-221 R2087895

HP 75 1770 RPM

Camp Northington 1000 ypm

Well - 51 ft deep - 15' long

20 p 10 1/2

8/1/92 1/2 1/2 1/2 1/2

Hygromatus C.P. Cover 160

Addressed Subject name to

7-28-04
Kathryn Byrd - Old Lady got married. Old lady
dancer was jumping over her.
Old lady was dead?

1. Considered MAY 21, 1975
2. Name of Applicant ROLFE COLE
3. Post Office Address HUDSON
4. Amount of Water claimed 3.05
5. Source of Water supply GROUND WATER (2 38' WELLS)
6. Water to be used for IRRIGATION
 Acres to be irrigated 215
7. Water to be diverted and used in LINCOLN County
 about 1 1/2 miles of HUDSON
8. Proof of Publication
 Received 5-19-75
 Not Received _____
 Approved _____
 Subject to _____
 Not Approved _____
 Action Deferred _____
9. Application
10. Remarks:

ORIGINALLY
RECEIVED 2-11-75Map No. 164B-3 Water Division No. 3 BIG SIOUX RIVER
(Blank to be filled by the Engineer for the W. R. C.)

APPLICATION FOR PERMIT

STATE WATER RIGHTS COMMISSION
PIERRE, SOUTH DAKOTA

To Appropriate Water within the State of South Dakota

(NOTE-Draw a line through items not applicable)

1. Name of Applicant Rolfe Cole
 Postoffice address Hudson State South Dakota
 If a corporation show date and place of incorporation _____
2. Method of accomplishing work (contract, employment of others, or by direct labor) Direct labor
3. Name of diversion work Rolfe Cole Irrigation Project # 2
4. Amount of water claimed (cubic feet per second) 3.1
5. Source of water supply 2 wells spaced as closely as possible without interference
6. Location of point of diversion 2900' N 165° E at NW corner of Sec 25-96-48

County Lincoln

7. Annual period or periods during which water is to be used May through October
8. Use to be made of water, (irrigation, industrial, municipal, commercial, recreation, etc.) irrigation
9. For irrigation use. Total number of acres to be irrigated 2.15

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 in	Land Description	No. Acres in
NE 1/4 NW 1/4 Sec 25-96-48	3.5	NW 1/4 NE 1/4 Sec 25-96-48	3.9
SW 1/4 NW 1/4 Sec 25	1.6	NE 1/4 NE 1/4 Sec 25-96-48	2.6
SE 1/4 NW 1/4 Sec 25	4.6	NE 1/4 NE 1/4 Sec 25	4.6
		SE 1/4 NE 1/4 Sec 25	1.9

Attach sheet if more space is needed

10. Time required to complete construction of water supply system Five years. Additional time required to complete application of water to the proposed beneficial use three years.
11. Choice of newspaper for Notice of Intent to Appropriate Water publication Spear Valley News
edition
12. Principal Features of the Proposed Water Supply System.

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

Electrically driven deep well turbine
on well

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

closed conduit

C. Works proposed to apply water to beneficial use.

Center Pivot Irrigation Machine
Estimated Total Cost \$ 45000Attachments. Attach Form 2A if diversion from a well or dugout, or if storage of water, is proposed. Attach map.
(See instructions concerning preparation.)

STATE OF SOUTH DAKOTA

County of BrookingsI, Rolfe Cole, 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 Rolfe ColeSubscribed and sworn to before me this 24 day of April, 1975Theresa E. Wilson
Notary Public for and in the State of South Dakota

WATER RIGHT APPLICATION APPROVAL

The Water Resources Commission hereby approves Water Right Application No. 2256-3
ROLFE COLE HUDSON
 (Applicant) (Post Office Address)
SOUTH DAKOTA 57034 With the following modifications:
 (State)

The irrigation well approved under this Permit ^{is} located near domestic wells which may obtain water from the same aquifer. The irrigation well owner, under this Permit, shall control his irrigation withdrawals so there is not a reduction of needed water supplies in existing domestic wells.

Date of first receipt of application APRIL 11 19 75
 Date of return to applicant for correction, amendments or changes required APRIL 18 19 75
 Date of receipt of corrected application APRIL 28 19 75
 Approved MAY 21 19 75 Recorded in Book 13 Page 300

WATER RIGHT PERMIT NO. 2256-3

The Water Resources Commission hereby grants and issues this Water Right Permit No. 2256-3 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 APRIL 11 19 75
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before NOVEMBER 21 19 77
3. The whole of said work is to be completed on or before MAY 21 19 80
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is MAY 21 19 83
5. The water appropriated shall be used for the purpose of IRRIGATION
6. The prior right of all persons who, by compliance with the laws of the State of South Dakota, have acquired a right to the use of water must not be injuriously affected by this appropriation.
7. The amount of the appropriation herein granted shall not exceed 3.1 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-seventh (1/7) 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 MAY 21 19 83; said water to be used during the following described normal period: MAY THRU OCTOBER

Witness my hand this 29TH day of MAY 19 75

WATER RESOURCES COMMISSION

By: John W. Bunker
 (Signature) Chief Engineer, Executive Officer

Certificate of Construction Issued _____ 19 _____

Water License Issued _____ 19 _____

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

D. Well Information or Estimates

- (1) Drill Hole, Diameter 20", Depth 38'
(2) Casing, Type Steel Diameter 16" Thickness 3/16"
(wood, concrete, steel, etc)
(3) Perforated Screen, Type Continuous Slot, Diameter 16", Length 10'
(4) Gravel Pack, Thickness 2", Length of gravel pack 20'

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 Sands turning into sand
mixed with gravel

- Depth to top of water bearing material 2'
Depth to bottom of water bearing material 38'
Thickness of water bearing material 31'
Depth to water (ground surface to water level) 6'

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

On same owner's property 292 rds. On property owned by others 2-20 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.

R. Cole
Signature of Applicant

2256-3

(I) WELL CONSTRUCTION

Location of well _____ 1/4 _____ 1/4 _____ Section _____ Township _____ Range _____

Well owner Malphie Todd Barber J. K. 11
(illegible) (illegible)

Date well drilling completed June 15 Purpose of well domestic, irrigation, municipal, industrial, other

WELL LOG

[illegible]

Attach sheet if more space is needed

Depth to top of water producing aquifer 11 ft.

Depth to static water level 17 ft.

Name of producing aquifer (if known) _____

Total depth of drill hole 54 ft.

Depth to bottom of casing 5 1/2 ft.

Casing Information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.

5920 16" AC. Cement

Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.

15 ft 16" 100 Shlb Johnson Well Service

If a flowing well, flow of completed well _____ G.P.M.

AAA W. O. O.

370

Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump Washington HP. 25

Type of pump Turbine Capacity of installed pump 750 G.P.M.

Depth of pump placement 50 ft., Date of pump installation June 73

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required. See Section 46.40B of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed. _____ ft., tube diameter _____, tube material _____.

Paul C. Horn

Name of Pump Installation Contractor _____

AAA WELL CO.

•Paul C. Worme

123 Lakoview Court

PIERRE, S. DAK. 57501

Conservation
Commission
Form WI #1

STATE CONSERVATION COMMISSION
SUPPORTING INFORMATION
FOR APPROPRIATION OF GROUND WATER IN ACCORDANCE
WITH SDCL 46-6-3 AS AMENDED
(This Form Required for Proposed Well Irrigation Only)

FOR COMMISSION USE ONLY

Irrigation System: _____

Water Quality: _____

Soils Capability: _____

Approved: [Signature]
4/18/75

Disapproved: _____

NAME: Rolf Cole

ADDRESS: Johnson, S.D.

COUNTY: Lincoln

Eden Township

57034

LEGAL DESCRIPTION

1. WELL LOCATION: East 1/4 of North 1/4 Sec 25 T56 N R48 E
2. AREA TO BE IRRIGATED: Same

TYPE OF IRRIGATION

3. GRAVITY SPRINKLER (Indicate Type): Sprinkler Contour Pivot
4. CROPS TO BE IRRIGATED: Corn Water Drip

LAND CAPABILITY FOR IRRIGATION

5. PERCENTAGE OF SLOPE: 2-3
6. PHYSICAL SOILS CLASSIFICATION FOR IRRIGATION: Heavy clay silty loam
Interv. 1

WATER QUALITY (TO BE COMPLETED BY COMMISSION)

7. SAMPLE NO.: 75-199
8. SALINITY: EC = 447 (medium)
9. SODIUM: SAR = 0.13 (low)

I do hereby certify that a chemical analysis of the ground water to be
acquired for irrigation from South Dakota State University and:

the land capability for irrigation information has been acquired from

Stk Wat # of Sec 19-96-47 Lincoln Co. S.D.

and:

that the legal description for the location of the well and land to be
irrigated is true and correct.

Rolfe Cole

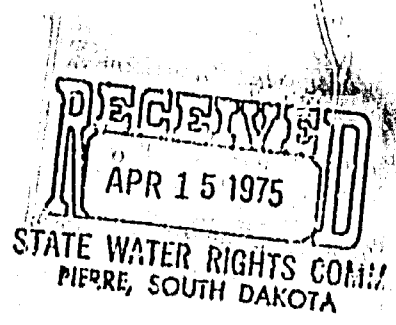
Subscribed and sworn before me this

13th day of April 1975.

W. L. Brundage

Notary Public

(Title)



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

Submitted by: Rolfe Cole
 Address: Hudson, SD 57034

Date Rec'd: March 26, 1975
 Sample No. 75-200
 Identification Well
SW 1/4, Sec. 19, T 96N, R 47W

WATER ANALYSIS

Calcium (Ca)	90	ppm*	4.50	me/l**
Magnesium (Mg)	28	ppm	2.30	me/l
Sodium (Na)	5	ppm	0.23	me/l
Potassium (K)	3	ppm	0.08	me/l
Sulfate (SO ₄)	82	ppm	1.71	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	12	ppm	0.34	me/l
Bicarbonate (HCO ₃)	299	ppm	4.90	me/l
Carbonate (CO ₃)		ppm		me/l
Iron (Fe)		ppm		me/l
Fluoride (F)		ppm		me/l
Hardness (EDTA as CaCO ₃)		ppm		g.p.g.***
Alkalinity (Methyl Orange)	245	ppm (as CaCO ₃)		
Alkalinity (Phenolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	508	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	0.12			
Sodium	3.23	% of cations		
Residual sodium carbonate	0.03	me/l		
pH	7.68			
Others:				

*ppm=parts per million

**me/l=milliequivalents per liter

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

COMMENTS: Total cations 7.11 me/l
 Total anions 6.95 me/l

By: Shirley Litten

Service Performed	Amount Due
Irrigation analysis	\$6.00

Make checks payable to: Water Quality Laboratory

Cut along dotted line and return the lower portion with payment

Sample No. 75-200

Amount Enclosed \$

Signed

Form 6 - Notice of Intent to Appropriate Water

2256-3

Publish first publication, on or before May 8, 1975

NOTICE
INTENT TO APPROPRIATE WATER

Pierre, South Dakota 57501

April 29, 1975

Notice is hereby given that Rolfe Cole

whose post office address is Hudson, South Dakota, has made an application in accordance with the provisions of the water laws of South Dakota for a permit to appropriate for beneficial use

3.05 cubic feet of water per second of time from the ground water through the Rolfe Cole Irrigation Project #2, the point of diversion of which is to be located in the

NW 1/4 SW 1/4

of Section 25, Twp. 96N, Range 48W. Said water to be used for the purpose of providing irrigation on a portion of the following described land:

N 1/2, Section 25, T96N, R48W

This application No. 2256-3 will be considered by the Water Resources Commission at their office at Pierre upon the 21st day of May, 1975, at 2:30 P. M. All interested persons may appear and be heard.

WATER RESOURCES COMMISSION

By:

BURTON F. JONES
Water Rights Specialist

BFJ/bw

cc: Rolfe Cole, Hudson, S.D. 57034

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

No. _____

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Lincoln) ss.

I, Maria Reitzel hereby

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

Water was taken from the Sioux Valley News

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 Canton

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

May 8, 15, 1975

Maria Reitzel
(Signature)

Bookkeeper
(Title)

May 16, 1975
(Date Signed)

NOTICE
INTENT TO APPROPRIATE
WATER

Notice is hereby given that Rolfe Cole whose post office address is Hudson, South Dakota, has made an application in accordance with the provisions of the water laws of South Dakota for a permit to appropriate for beneficial use 3.05 cubic feet of water per second of time from ground water through the Rolfe Cole Irrigation Project #2 the points of diversion of which are to be located in the NW1/4SW1/4 of Section 25, Twp. 196N, Range 48W. Said water to be used for the purpose of providing irrigation on a portion of the following described land:

N1/2, Section 25, T96N, R 48 W

This application No. 2256-3 will be considered by the Water Resources Commission at their office at Pierre upon the 21st day of May, 1975, at 2:30 P.M. All interested persons may appear and be heard.

Water Resources Commission
BY: Burton F. Jones
Water Rights Specialist
5-8-15;

RECEIVED
MAY 19 1975

STATE WATER RIGHTS COM.
PIERRE, SOUTH DAKOTA

Form 10.

.. 2256-3

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

Post Office Medina, S.D.

Date 2/23/27

TO: Water Resources Commission
State Office Building No. 2
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. 2256-3.

Water Right Permit No. 2256-3 states that the diversion system is to be constructed by Dec. 21, 1927 and that the water is to be put to beneficial use by May 21, 1928.

The diversion system was completed on July 10, 1928. Applying the water to beneficial use was completed on July 20, 1928.

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.

Ralph Cole
(Signature)



Water Rights Division
(605) 773-3352

2256-3

May 6, 1981

Rolfe Cole
Hudson, SD 57034

Mr. Cole:

Thank you for your Irrigation questionnaire return. On your return for Permit No. 2256-3, you questioned why you had received a surface water form for a ground water permit.

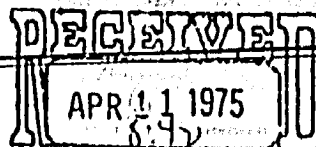
This was an error on our part. When sending out the Irrigation questionnaires, the label was mistakenly attached to a surface water form. We try to catch these errors when they happen, but when working with so many at the same time, mistakes can happen. Thank you for completing the forms.

If you have any further questions, please contact this office.

Sincerely,

GENNY YOUNG
Staff Assistant

gy



No. 2256-3

Water Division No. 3 BIG SIOUX RIVER
(Blanks to be Filled by the Engineer for the W. R. C.)

STATE WATER RIGHTS COM.
PIERRE, SOUTH DAKOTA

APPLICATION FOR PERMIT To Appropriate Water within the State of South Dakota

(NOTE—Draw a line through items not applicable.)

1. Name of applicant Rolf Cole
Postoffice address Hudson, County Lincoln, State S. Dak.

I. If a corporation

- (a) Name of same
- (b) Date and place of incorporation
- (c) Amount of capital stock
- (d) Amount paid in
- (e) Names and addresses of directors

(NOTE—A certified copy of articles of incorporation must accompany the application.)

II. Method of accomplishing the work and financial resources of the applicant:

(a) Method of accomplishing work (Whether by contract, employment of others, or by direct labor)

Employment of others

(b) Cash on hand, \$

(c) Treasury stock, \$

(d) Bonds to be issued, \$

(e) Other resources, \$

2. Name of diversion work Irrigation well R. Cole #2

3. Amount of water claimed 136 ac-ft cubic feet per second 1.95 C.F.S.

4. Source of water supply Irrigation well

5. Location of point of diversion S.W. 1/4 of Sec. 19 96-47 on Lincoln County.

6. Annual period or periods during which water is to be used Summer growing season

7. To be used for:

I. Irrigation or domestic use: Gravity, overhead sprinkling or combination system?

(a) Number of acres to be irrigated 136 acres.

(b) Legal subdivisions to be irrigated

(NOTE—A list of lands to be irrigated, giving each subdivision and fraction with acreage thereof, should be written here, or may be appended as a part of this application. Same must also be shown on accompanying map.)

(c) Statement as to domestic use (giving location, etc.) To irrigate corn to be grown in S.W. 1/4 of Sec. 19 96-47

II. Stockwatering, mining, milling, power, fish culture, fire protection and public recreation:

(a) Nature of use Name any of the above uses claimed

(b) Amount of power to be generated horse power.

Amount claimed for engine cooling

(c) Location of plant

(d) Method of developing power

(e) Point where water will be returned to stream

MAP NO. 1648-3

8. Estimated cost of work:

(a) Head Gates, \$

(c) Bluming, \$

(e) Other structures

(d) Canal earth, \$

(b) Pumping plant, \$

Rock, \$

Total, \$

9. Description of diversion works:

I. Nature of works: (Reservoir, dam, ditch, flume, pumping plant, etc.)

Pumping plant and well

II. Dimensions of works.

(a) Dam: Height feet; length at bottom feet; length at top

feet; thickness at bottom feet; thickness at top

feet; slope at front water face; slope at back face

material used in construction

(b) Reservoir: Capacity when filled acre feet. Surface area at highwater

mark acres.

DEPTH AT OUTLET-Feet	SURFACE AREA AT EACH DEPTH AT OUTLET-ACRES	FEET	ACRE-Feet CAPACITY

(c)* Head gate: Width feet; height feet;

Material

(d) Canal: Total length miles.

LOCATION BELOW HEADGATE	DEPTH	BOTTOM WIDTH	WIDTH AT WATER-LINE	GRADE PER MILE
At Mile	feet	feet	feet	feet
At Mile	feet	feet	feet	feet
At Mile	feet	feet	feet	feet
At Mile	feet	feet	feet	feet
At Mile	feet	feet	feet	feet
At Mile	feet	feet	feet	feet

(Give dimensions where reductions in size are made.)

10. Time required for completion of work years.

11. Time required for complete application of water to the proposed beneficial use years.

12. Choice of newspaper for publication of notice of intention to appropriate

STATE OF SOUTH DAKOTA

County of Lincoln

ss.

I, Rolf Cole, 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, examined the map accompanying the same, and that I know of my own personal knowledge that the matters therein stated and shown are true.

Signed

Subscribed and sworn to before me this 10th day of April 1925

Notary Public (or other qualified officer.)

*Each diversion must have a headgate or measuring device

Remarks by State Water Resources Commission:

STATE OF SOUTH DAKOTA
County of _____ } ss.

Pierre, South Dakota, _____, 19_____

This is to certify that the foregoing application was received by the Commission at _____ o'clock
_____m. upon the _____ day of _____, 19_____.

State Water Resources Commission

By:

Chief Engineer, Executive Officer

Number of permit _____

Date of first receipt of application _____, 19_____

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

Date of receipt of corrected application _____, 19_____

Date from which applicant may claim right _____, 19_____

Approved _____, 19_____, Recorded in Book _____ Page _____

This is to certify that we have examined the foregoing application for a permit to appropriate water of the State of South Dakota, and we hereby grant the same as stated herein, subject, however, to the following limitations and conditions:

1st. The equivalent of at least one-fifth of the work above specified is to be completed on or before _____

_____, 19_____

2nd. The whole of said work is to be completed on or before _____, 19_____

3rd. The limit of time for proof of beneficial use of water appropriated in accordance herewith is

_____, 19_____

4th. The water appropriated shall be used for the purpose of _____

5th. 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.

6th. The amount of the appropriation herein granted shall not exceed _____ cubic feet per second; neither shall it exceed the capacity of the above described system of diversion works, nor the least amount of water that experience may hereafter indicate as necessary for the production of crops in the exercise of the best husbandry; and further, said appropriation must 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 _____, 19_____; said water to be used during the following described annual period:

Witness my hand this _____ day of _____, 19_____.

State Water Resources Commission

By:

Chief Engineer, Executive Officer

Certificate of Construction Issued _____, 19_____

Water License Issued _____, 19_____

9. (Continued)

III. Well Specifications

(a) Hole and casing

Size of drill hole or excavation 30" Depth 50'
 Type of casing asbestos cement
 (wood, concrete, steel, etc.)
 Size of casing 16" Thickness of casing 3/4"
 Length of casing 35' If collection gallery, length, size and depth of
 gallery _____

(b) Screens

Type of perforated screen Johnson Wire Rap
 Size of perforated screen 16" 15'
 (diameter) (length)
 Thickness of gravel pack 13" length of gravel pack 50'

(c) Water Bearing Materials

Distance to water 20' Character of water bearing materials Coarse gravel and sand

 Thickness of water bearing material 40'

(d) Pump and Motor

Type of pump Turbine
 (centrifugal, propeller, mixed flow, etc.)
 Name of pump Worthington size 700 GPM
 Kind of motor electric
 (gasoline, electric, diesel, etc.)
 Horsepower 60 HP Name of Motor U.S.

(e) Complete well

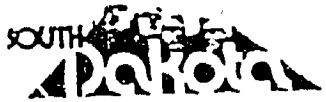
Capacity 700 GPM at drawdown of 8' Estimated cost \$8000.00

(f) Owner of land upon which well is located

Ralfe H. Cole
 Name
Hudson, S. D.
 Address

(g) Distance to nearest existing wells

On same owner's property 210 rods. On property owned by others 240 rods



Department of Water & Natural Resources

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

2254-3

2256-3

3566-3

February 17, 1989

James Cole
RR 1, Box 227
Hudson, SD 57034

Dear Mr. Cole:

On October 6, 1988, the Water Management Board adopted rules to implement a 1988 law for application of chemicals through irrigation systems. The rules establish equipment standards, performance standards and installation requirements for irrigation systems that apply chemicals (fertilizers, insecticides, or herbicides) with irrigation water.

You have indicated on your 1988 Water Management Board Irrigation Questionnaire that you do apply chemicals with irrigation water. A copy of the new rules for chemigation are enclosed for your information.

The new standards include:

- * a check valve between the irrigation pump and the point of chemical injection;
- * a vacuum relief valve on top of the pipeline between the irrigation pump and the irrigation pipeline check valve;
- * a low-pressure drain on the bottom of the pipeline between the irrigation pump and the irrigation pipeline check valve;
- * a chemical injection line check valve between the chemical injection pump and the point at which the chemical is injected into the irrigation line; a second check valve is required if the chemical injection pump is not a positive displacement pump;
- * an interlock system which ensures that the chemical injection pump will stop whenever the irrigation pump stops;
- * an inspection port between the irrigation pump and the check valve on the irrigation line;

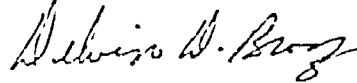


Each of these equipment requirements are discussed more thoroughly in Sections 74:02:09:05 through 74:02:09:10 of the enclosed rules. Appendix A contains diagrams of the arrangements of these anti-pollution devices.

The equipment must be installed according to the manufacturer's specifications, calibrated, and maintained in good working condition. All chemical product labels must be followed and warning signs must be posted. These rules also require reporting of all spills, accidents, and system malfunctions. A 24-hour telephone number is provided.

The chemigation rules contain notification and record keeping requirements. Prior to using chemigation, notification must be given to the Chief Engineer on the enclosed Form 1C. Information that must be provided in this notification includes the water permit or right number, the name, address, and telephone number of the water permit or right holder and of the system operator, and the legal description of the lands on which the system is located. A record of the name, quantity, dates and hours of each chemical applied must be provided to the Chief Engineer on Form 2C. A copy of this form is also enclosed for your information. It will be mailed with the annual irrigation questionnaire and must be returned with the questionnaire by the date specified. If you have any questions regarding these rules or need additional copies of the forms, please contact Susan Rowar, Water Rights Engineer (605-773-3352).

Very truly yours,



for JOHN HATCH, Chief Engineer
Water Rights Division

REPORT ON INSPECTION OF PERMIT NO. 2256-3

DATE OF INSPECTION: 9-12-97

Other permit(s) associated with the project: 2254-3 and 3566-3

NAME & ADDRESS OF INSPECTION CONTACT: Judy Cole(Jim Cole - spouse) 29509 488th Ave.,
Hudson SD 57034

RELATIONSHIP TO PERMIT HOLDER, IF APPLICABLE: Daughter in law

NAME & ADDRESS OF PERMIT HOLDER: Ralph Cole, Hudson SD 57034

**DIVERSION POINT LEGAL LOCATION: 1698' E and 63' S of the NW corner Section 25-T96N-
R48W in the NE $\frac{1}{4}$ NW $\frac{1}{4}$.**

WELL INFORMATION:

- 1) Well Drilling Firm: AAA Well Co.
- 2) No. of Wells 1
- 3) Depth(s) 54 feet
- 4) Well log is available yes

Casing:

- 1) Diameter 16 inches
- 2) Length 39 feet
- 3) Type A.C. cement

Screen:

- 1) Type Johnson stainless steel
- 2) Length 15 feet
- 3) Static water level 17 feet

Pump:

- 1) Make Worthington
- 2) Model #
- 3) Size #
- 4) Capacity 1000 GPM

Motor:

- 1) Make U.S. Electric
- 2) Model No. #
- 3) Horsepower rating 75 hp

DISTRIBUTION LINES OR CANALS:

- 1) Type galv. steel
- 2) Size 8
- 3) Length 1518 feet

SYSTEM TYPE:**Center Pivot:**

- 1) Make Zimmatic
- 2) Overall length 1320
- 3) Number of towers 8
- 4) End gun yes
- 5) High or low pressure #
- 6) Capacity 900 GPM

CHEMIGATION EQUIPMENT:

- 1) Does chemigate NO

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

Permit No. 2256-3
Big Sioux 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, September 12, 1997 made a thorough examination of the water use system constructed by Rolfe Cole of Hudson SD 57034 holder of Permit No. 2256-3, bearing the priority of April 11, 1975 authorizing the diversion of 3.1 cu. ft. per second of the waters of Big Sioux Aquifer for irrigation purposes, in Lincoln County.

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

A. Works used to divert the water:

One well 54' deep with 39' of 16" A.C. cement casing and 15' of Johnson stainless steel screen.
Worthington pump capacity 1000 gpm and U.S. Electric motor rated at 75 hp.

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

1518' of 8" galvanized steel pipe.

C. Works used to apply water to beneficial use:

Zimmatic center pivot 1320' long with 8 towers and an end gun, 900 gpm capacity.

The system is in the following condition good. The point of diversion is located 1698' E and 62' S of the NW corner of Section 25-T96N-R48W. The works are capable of diverting and conveying to the place of use 2.0 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:

All in Section 25-T96N-R48W:

<u>NW$\frac{1}{4}$ NE$\frac{1}{4}$</u>	<u>32 acres</u>	<u>NE$\frac{1}{4}$ NW$\frac{1}{4}$</u>	<u>33 acres</u>
<u>SW$\frac{1}{4}$ NE$\frac{1}{4}$</u>	<u>34 acres</u>	<u>SW$\frac{1}{4}$ NW$\frac{1}{4}$</u>	<u>1 acres</u>
		<u>SE$\frac{1}{4}$ NW$\frac{1}{4}$</u>	<u>35 acres</u>

comprising a total of 135 acres of land and the license should be issued for 1.93 cfs.

Applicable permit qualifications have been complied with: yes

Exceptions to compliance are: none

COMMENTS: All correspondence should go to Jim Cole, 29509 488th Ave., Hudson SD 57034.


 Lynn Beck

9-26-97
 Date

Natural Resources Engineer
 DENR, Water Rights Program

Approval of Location Change and/or Additional Diversion Point(s)

NAME: Rolfe Cole

ADDRESS: Hudson, SD 57034

DATE: 9-26-97 COUNTY: Lincoln TELEPHONE: (605) 984-2173

AUTHORITY:

Pursuant to SDCL 46-5-13.1, the location of a diversion point may be changed or additional diversion points may be licensed provided the following conditions are met and the potential for interference with other existing diversions is not increased:

- Developed water source same as permitted source and no additional water appropriated
yes - Big Sioux Aquifer

- If irrigation, no new land is irrigated
No new lands irrigated.

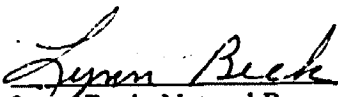
- Review of Existing Diversions

Permit No. 2256-3 authorized two wells located in the NW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 25-T96N-R48W. One well was developed in the NE $\frac{1}{4}$ NW $\frac{1}{4}$ Section 25-T96N-R48W.

There are five other water rights and domestic wells using the same water source within a one mile radius of the diversion point for Water Permit No. 2256-3. The closest well is an irrigation well 385 feet from the well used for Permit No. 2256-3. This well is owned by John Cole, Rolfe Cole's son. The well has been in use since June, 1975, with no complaints. Permit No. 2256-3 has the domestic well qualification on it.

RECOMMENDED ACTION

Based on the above criteria, it is recommended that the diversion point be licensed as developed.


Lynn Beck, Natural Resources Engineer
Water Rights Program

The Chief Engineer makes a finding pursuant to SDCL 46-5-13.1 that:

This change in location does not increase the potential for interference with existing diversions. In making this finding, "does not increase the potential for interference" is interpreted to mean potential for adverse interference.

 10-8-97
John Hatch, Chief Engineer
Water Rights Program



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

October 9, 1997

2256-3

Rolfe Cole
%Jim Cole
29509 488th Ave.
Hudson, SD 57034

Dear Mr. Cole:

The investigation of your water use system, including the extent of application of water to beneficial use, as developed under Water Permit No. 2256-3, 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

415519

Division of Water Rights

South Dakota Department of Environment and Natural Resources

Pierre, _____ November 5, 19 97

RECEIVED OF James H. Cole (Rolfe Cole), 29509 - 488th Ave., Hudson, SD 57034
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>225603</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 (C)



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

JAN 07 1998

2256-3
3566-3

James Cole
29509 488th Ave.
Hudson, SD 57034

Dear Mr. Cole:

Enclosed are Water License Nos. 2256-3 and 3566-3. These are the final water right documents completing your process of obtaining a Water Right. Enclosed are Receipt Nos. 415519 and 415520 in the amount of \$50.00 each which you paid for the investigation and issuance of the Water Licenses.

For your information SDCL 46-6-27 requires that if the owner of an existing well, such as the wells authorized by Water Right Nos. 2256-3 and 3566-3, 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 Licenses, 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

NOTE: The applicable portions of Water Permit No. 2254-3 are incorporated into Water Permit No. 3566-3.

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 2256-3

(1) Rolfe Cole, Hudson SD made Application No. 2256-3, April 11, 1975 for a water permit to divert 3.1 cubic feet of water per second from groundwater (2 wells), Lincoln County, South Dakota for irrigation purposes. Permit No. 2256-3, with a priority date of April 11, 1975 was approved May 21, 1975 and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before May 21, 1980 and for the application to beneficial use of said water on or before May 21, 1983.

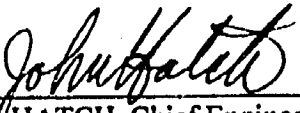
An investigation conducted for licensing purposes found the well under Water Permit No. 2256-3 was not in the location authorized by the permit. Pursuant to SDCL 46-5-13.1, the Chief Engineer makes a finding that the change in location of the diversion point does not increase the potential for interference with existing water rights.

(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 1.93 cubic feet of water per second for beneficial use. The location of the diversion point is 1,698 feet east and 62 feet south of the northwest corner of Section 25-T96N-R48W (NE 1/4 NW 1/4).

(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:

All in Section 25-T96N-R48W			
NE 1/4 NW 1/4	33 acres	NW 1/4 NE 1/4	32 acres
SW 1/4 NW 1/4	1 acre	SW 1/4 NE 1/4	34 acres
SE 1/4 NW 1/4	35 acres		
Total			135 acres

(4) Pursuant to South Dakota Water Law 46-5-30.1 Rolfe Cole, c/o Jim Cole, 29509 488th Ave, Hudson SD 57034 the holder and/or owner of Water Permit No. 2256-3 is issued a license to appropriate water, the right to use 1.93 cubic feet of water per second from groundwater (one well) with a priority date of April 11, 1975 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. 2256-3 and subject to South Dakota State Law.



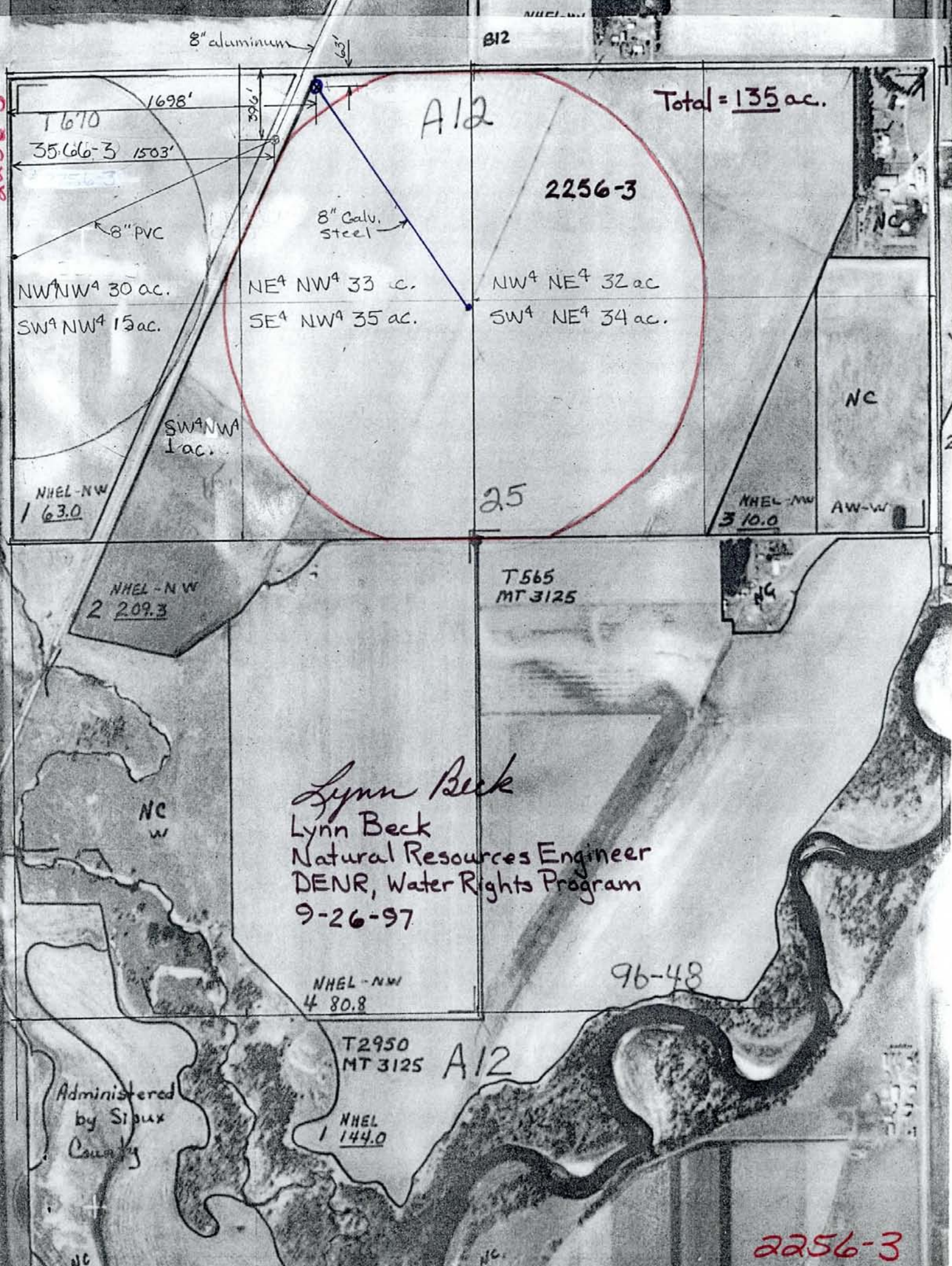
JOHN HATCH, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

JAN 07 1998

date



2256-3



2256-3

ROLFE COLE

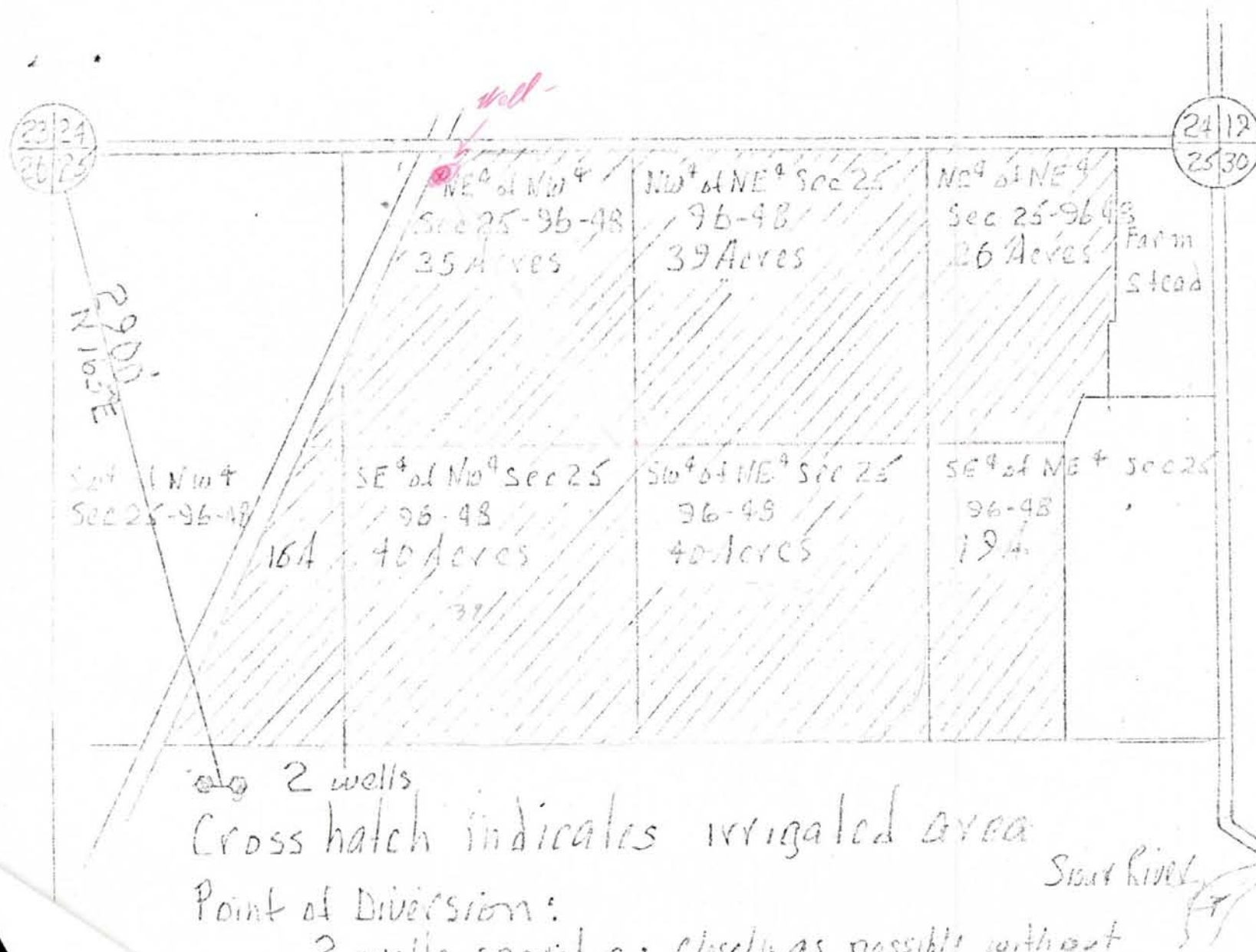
IRRIGATION PROJECT #2

Hudson South Dakota
Lincoln County

Irrigated Acres - 215
Water Claimed - 3.1 cfs

Surveyor's Certificate:
I, John L. Wiersma, do hereby certify
that this map identifies a reasonably
accurate record of the land of:
Rolfe Cole
Hudson, South Dakota Lincoln County
Drawn by J.L.W. 4-19-75
John L. Wiersma P.E. #1916
Brookings S.Dak.
57006

Scale 8" = 1 Mile



2 wells
Cross hatch indicates irrigated area

Point of Diversion:
2 wells spaced as closely as possible without
interference between them located
2900' N 165° E of NW corner Sec 25-96-48

NOTICE OF TRANSFER OF OWNERSHIP

RECEIVED

MAR 20 2008

WATER RIGHTS
PROGRAM

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

No. 2256-3

Date: 3-18-08

I/We request that Water Right No. 2256-3

formerly owned by: Rolfe Cole

be transferred to: (name & address) James H Cole, 29509 488th Ave, Hudson SD 57034

Telephone No. 605 984-2045

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

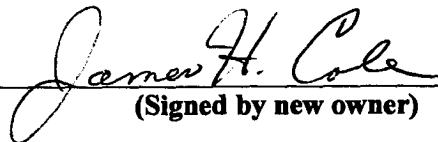
135 acres - SW 1/4 NW 1/4, E 1/2 NW 1/4, W 1/4 NE 1/4 Sec 25-T96N-R48W

I/We understand that the validity of Water Right No. 2256-3 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 James H. Cole, 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 3/20, 2008

RECEIVED OF James Cole 29509 488th Ave Hudson SD 57034

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 <u>2256-3</u>		
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. _____	2	50
Fee for Renewal of Well Pump Installer's License No. _____ for C.Y. _____		
(Any Other Work Provided by Law)	TOTAL	
	2	50

No.

03550

By

Michael Erbe
Chief Engineer



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

March 17, 2008

2255-3

2256-3

James H Cole
29509 488th Ave
Hudson SD 57034

Dear Mr. Cole:

Enclosed are partially completed "Notice of Transfer" forms for use in filing an ownership change on Water Right Nos. 2255-3 and 2256-3. The water rights are currently listed in the name of Rolfe Cole. I have also enclosed copies of the water rights for your files.

The transfer forms should be checked over for accuracy and **signed by you as the new owner.** Upon completion, return the forms to our office with a required filing fee of \$2.50 each (\$5.00 total).

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.

If you have any questions, please contact me.

Sincerely,

Karen Schlaak

Karen Schlaak
Water Rights Program
605 773-3352
email: karen.schlaak@state.sd.us

enclosure



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

March 21, 2008

2255-3
2256-3

James H Cole
29509 488th Ave
Hudson SD 57034

Dear Mr. Cole:

The ownership changes have been completed for Water Right Nos. 2255-3 and 2256-3. The water rights formerly held by Rolfe Cole are now listed in your name.

Enclosed are your Receipt Nos. 03589 and 03590 in the amount of \$2.50 each. You may keep these for your records.

If I can answer any questions for you, please contact me.

Sincerely,

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

enclosures

2256-3



DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES
JOE FOSS BUILDING
523 E. CAPITOL AVE
PIERRE SD 57501-3182
danr.sd.gov

APR 24 2023

2256-3
7000-3

James H Cole
29509 488th Ave
Hudson SD 57034

Dear Mr. Cole:

Enclosed is Water License No. 7000-3. This is the final water right document completing your process of obtaining a Water Right. Included with your license is a map prepared by the staff engineer who conducted the field investigation.

For your information SDCL 46-6-27 requires that if in the future, the owner of an existing well, 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, State Water Laws provide that you have a continuing right to use the water. If you have any questions, please contact our office.

Sincerely,

Eric Gronlund, Chief Engineer
Water Rights Program
(605) 773-3352

enclosures

Note: The applicable portions of Water Right No. 2256-3 were incorporated into Water License No. 7000-3.