

Water Right Number 3054-3

1. Considered 10-21, 1976
2. Name of Applicant Wilbert Howell
3. Post Office Address Hitchcock
4. Amount of water claimed 2.22
5. Source of water supply 80' deep well
6. Water to be used for irrigation
Acres to be irrigated 160
7. Water to be diverted and used in Spink County
about 4 N 2 W Miles of Hitchcock
8. Proof of Publication Received 1-1

Received _____
ved _____
Subject to _____
pproved _____
n deferred _____

WELL LOCATION MOVED -

LANDS TO BE NEAR

IRRIGATES

N²SE⁴
S²NE⁴

No. 3054-3Map No. 237B-3 Water Division No. 3 JAMES RIVER District _____
(Blanks to be filled by the Engineer for the W. R. C.)

APPLICATION FOR PERMIT

To Appropriate Water within the State of South Dakota

- (NOTE: Draw a line through items not applicable)
- Name of Applicant Wilbert A. Howell
 - Postoffice address Bellevue, WY State Idaho-57348
 - If a corporation show date and place of incorporation _____
 - Method of accomplishing work (contract, employment of others, or by direct labor) direct labor
 - Name of diversion work Wilbert A. Howell
 - Amount of water claimed (cubic feet per second) 1000 gpm (min)
 - Source of water supply well
 - Location of point of diversion NE 1/4 Sec 18-114-6-3

- Annual period or periods during which water is to be used May 1 to Oct 1st
- Use to be made of water. (irrigation, industrial, municipal, commercial, recreation, etc.) irrigation
- For irrigation use. Total number of acres to be irrigated 160

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

Land Description	No. Acres Irr.	Land Description	No. Acres Irr.
<u>NE 1/4 Sec 18-114-6-3</u>	<u>160</u>		

Attach sheet if more space is needed

- Time required to complete construction of water supply system 2 years. Additional time required to complete application of water to the proposed beneficial use 2 years.
- Choice of newspaper for Notice of Intent to Appropriate Water publication Redfield Press
- Principal Features of the Proposed Water Supply System. DARYL RAINSMAN, HURON

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

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

C. Works proposed to apply water to beneficial use.

Estimated Total Cost \$50,000.-Attachments: Attach Form 2A if diversion from a well or dugout, or if storage of water is proposed. Attach map.
(See instructions concerning preparation.)

STATE OF SOUTH DAKOTA

County of BeauregardI, Wilbert A. Howell, 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 Wilbert A. HowellSubscribed and sworn to before me this 14 day of September, 1976

Notary Public (or other qualified officer)

WATER RIGHT APPLICATION APPROVAL

The Water Rights Commission hereby approves Water Right Application No. 3054-3
WILBERT MCWELL HITCHCOCK
 (Applicant) (Post Office Address)
SOUTH DAKOTA 57348 With the following modifications:
 (State)

The irrigation well approved under this Permit will be located near domestic wells and other irrigation wells which may obtain water from the same aquifer. The irrigation well owner, under this Permit, shall control his irrigation withdrawals so there is not a reduction of needed water supplies in existing domestic wells or in irrigation wells having prior water rights.

Date of first receipt of application SEPTEMBER 14 19 76
 Date of return to applicant for correction, amendments or changes required _____ 19 ____
 Date of receipt of corrected application OCTOBER 7 19 76
 Approved OCTOBER 21 19 76 Recorded in Book 16 Page 157

WATER RIGHT PERMIT NO. 3054-3

The Water Rights Commission hereby grants and issues this Water Right Permit No. 3054-3 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 SEPTEMBER 14 19 76
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before APRIL 21 19 77
3. The whole of said work is to be completed on or before OCTOBER 21 19 77
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is OCTOBER 21 19 79
5. The water appropriated shall be used for the purpose of IRRIGATION

6. The prior right of all persons who, by compliance with the laws of the State of South Dakota, have acquired a right to the use of water must not be injuriously affected by this appropriation.

7. The amount of the appropriation herein granted shall not exceed 2.22 cubic feet per second; neither shall it exceed the capacity of the above described water supply system, nor shall it exceed the amount of water needed for beneficial uses served, and if for the irrigation purposes said appropriation must be limited to not more than 3 acre feet per acre per year and be limited to not more than one-seventieth (1/70) of one cubic foot of water per second of time for each acre of land to which water is actually and beneficially applied for irrigation on or before OCTOBER 21 19 79; said water to be used during the following described annual period: MAY 1 TO NOVEMBER 1

Witness my hand this 15th day of DECEMBER 19 76

WATER RIGHTS COMMISSION

By: John Hatch
 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 _____, Depth 8' 0
 (2) Casing, Type Fiberglass Diameter _____ Thickness _____
 (wood, concrete, steel, etc)
 (3) Perforated Screen
 Type Fiberglass, Diameter _____, Length _____
 (4) Gravel Pack, Thickness _____, Length of gravel pack _____

E. Dugout Information or Estimates

(1) Surface dimensions _____, Depth _____

F. Fill out for Either a Well or a Dugout.

(1) Water Bearing Materials. (Please attach a copy to test well log if available.)

Character of Water bearing materials sand gravel

Depth to top of water bearing material 30 ft
 Depth to bottom of water bearing material 100
 Thickness of water bearing material 70
 Depth to water (ground surface to water level) 30

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

On same owner's property 640 rds. On property owned by others 80 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.

Robert Novell
 Signature of Applicant

CONSERVATION
COMMISSION
FORM W1 #1

STATE CONSERVATION COMMISSION
SUPPORTING INFORMATION
FOR APPROPRIATION OF GROUND WATER IN ACCORDANCE
WITH SDCL 46-6-3 AS AMENDED

(THIS FORM REQUIRED FOR PROPOSED GROUND WATER IRRIGATION ONLY)



NAME

ADDRESS

COUNTY

LEGAL DESCRIPTION

1. WELL LOCATION

2. LOCATION OF AREA TO BE IRRIGATED

TYPE OF IRRIGATION

3. GRAVITY

TOWNLAND

CENTER PIVOT

GUN

4. CROPS TO BE IRRIGATED

WATER QUALITY

5. SAMPLE NUMBER

6. SALINITY (EC X 10⁶)

7. SODIUM (SAR)

8. RESIDUAL SODIUM CARBONATE (meq/l.)

I do hereby certify that a chemical analysis of the ground water representative of that used to irrigate shall be acquired from South Dakota State University and:
The soils information has been acquired from _____ Conservation District,
County Extension office or Soil Conservation Service.
and:
that the legal description for the location of the well and land to be irrigated is true and correct.

APPLICANT'S SIGNATURE

SUBSCRIBED AND SWORN BEFORE ME THIS
14 DAY OF September 19 76.

(TITLE OR SEAL)

Approval does not imply that this project can be carried out successfully in all circumstances. Individual management of the land is required, determining the relative success of the project.

APPROVED/DISAPPROVED

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

Submitted by: Wilbert Nowell
 Address: Hitchcock, SD 57348

Date Rec'd September 15, 1976
 Sample No. 76-1359
 Identification Well
NW 1, Sec. 16, T 114N, R 63W

WATER ANALYSIS

Calcium (Ca)	157	ppm*	7.85	me/l**
Magnesium (Mg)	34	ppm	2.79	me/l
Sodium (Na)	59	ppm	2.57	me/l
Potassium (K)	12	ppm	0.31	me/l
Sulfate (SO ₄)	237	ppm	4.93	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	9	ppm	0.25	me/l
Bicarbonate (HCO ₃)	488	ppm	8.00	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)	400	ppm (as CaCO ₃)		
Alkalinity (Phenolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	1905	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	1.11			
Sodium	19.00	% of cations		
Residual sodium carbonate	0.00	me/l		
pH	7.28			

*ppm=parts per million.

**me/l=millequivalents per liter

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

COMMENTS: Total cations 13.52 me/l
 Total anions 13.18 me/l

By: Shirley Litten

Service Performed	Amount Due
Irrigation analysis	\$8.00 PAID

Make checks payable to: Water Quality Laboratory

Cut along dotted line and return the lower portion with payment

Sample No. 76-1359

Amount Enclosed \$

Signed

October 4, 1976

Mr. Wilbert Nowell
Hitchcock, SD 57348

Dear Mr. Nowell:

Your water sample (Lab. No. 76-1359) has been analyzed and the results are reported on the accompanying sheet, which is your copy to keep.

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

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

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

Sincerely yours,

L. G. Fine
L. G. Fine
Water Quality Lab
LOP:ckb
Enclosures
cc: State Conservation Commission

Form 6 - Notice of Intent to Appropriate Water

No. 3054-3

Publish first publication, on or before October 12, 1976

NOTICE
INTENT TO APPROPRIATE WATER

Pierre, South Dakota 57501

October 7, 1976

Notice is hereby given that Wilbert Nowell

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

2.22 cubic feet of water per second of time from the ground water through the

W. Nowell # 1, the point of diversion of which is to be located in the

NE 1/4 NW 1/4

of Section 18, Twp. 114N, Range 53W. Said water to be used for the purpose of providing irrigation in the following described land:

NE 1/4, Section 18, T114N, R53W

This application No. 3054-3 will be considered by the Water Rights Commission at their office at Pierre upon the 21st day of October, 1976 at 1:00 P. M. All interested persons may appear and be heard.

WATER RIGHTS COMMISSION

By:

BURTON F. JONES
Water Rights Specialist

BFJ/bw
cc:

Wilbert Nowell, Hitchcock, S. D. 57348

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

No. 3054-3

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Beadle) ss.

I, Dorothy Murphy hereby

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

Water was taken from the Huron Daily Plainsman

A newspaper which during the whole time of publication of said notice
herein after stated, has been and is printed and published in the

City of Huron

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

October 11, 1976

October 18, 1976

Dorothy Murphy
(Signature)

Bookkeeper
(Title)

October 18, 1976

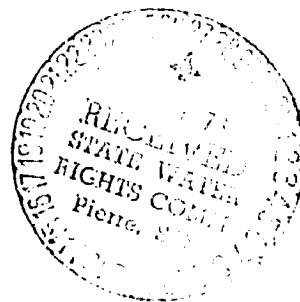
(Date Signed)

F.P. 10-11-76 L.P. 10-11-76
NOTICE OF INTENT TO
APPROPRIATE WATER
Pierre, South Dakota 57501
October 7, 1976

Notice is hereby given that
Walter Nowell whose post office
address is Hitchcock, South Dakota,
has made an application in ac-
cordance with the provisions of the
water laws of South Dakota for a
permit to appropriate for beneficial
use 2.22 cubic feet of water per
second of time from ground water
through the W. Nowell No. 1, the
point of diversion of which is to be
located in the NE 1/4 NW 1/4 of Section
18, Twp. 114N, Range 63W. Said
water to be used for the purpose of
providing irrigation on portions of
the following described land: NE 1/4
Section 18, T114N, R63W.

This application No. 10543 will be
considered by the Water Rights
Commission at their office at Pierre
upon the 21st day of October, 1976, at
1:00 P.M. All interested persons
may appear and be heard.

WATER RIGHTS COMMISSION
By: Burton F. Jones
Water Rights Specialist
No. 590 (adv.)



Permit No. 3054-3Water Division 3 JAMES RIVER Water DistrictREPORT OF EXAMINATION OF WORKS
AND/OR APPLICATION OF WATER TO BENEFICIAL USE

TO: Water Resources Commission, State Office Building No. 2, Pierre, South Dakota 57501

I have this day made a thorough examination of the water use system constructed by WILBERT
NOWELL of HITCHCOCK holder
on Permit No. 3054-3 bearing date of priority of SEPTEMBER 14, 1976
authorizing the diversion of 2.22 cu. ft. per second of the waters of GROUND WATER
for IRRIGATION purposes, in SPIKE County.

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

The Water Use System consists of,

A. Works used to divert the water:

80' DEEP WELL W/ 16" CONCRETE - 40' POUROUS CONCRETE SCREEN
WESTERN LAND ROLLER 8" PUMP W/ 3-12" BOWLS
POWERED BY 40 HP GE ELECTRIC MOTOR

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

500' OF 8" BURIED PLASTIC LINE TO PILOT PAD

C. Works used to apply water to beneficial use.

ZIMMATIC CENTER PILOT SYSTEM TYPE 7-MOD 307
W/ END GUN

The system is in the following condition: VERY GOOD

The point of diversion is located 450' E & 250' N OF THE CENTER OF E²
SECTION 18, T114N, R63W

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

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

FOR IRRIGATING A 136 ACRE CIRCLE IN THE N²SE⁴
AND S²NE⁴, SECTION 18, T114N, R63W

comprising a total of 136 acres of land.Date OCTOBER 18, 1978

[Signature]
(Signature)

WATER RIGHT SPECIALIST

NOTICE OF TRANSFER OF WATER PERMIT

TO: Water Rights
Foss Building
Pierre, SD 57501

Date: 1/17/85

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

NW $\frac{1}{4}$ NE $\frac{1}{4}$, 32.5 acres | SW $\frac{1}{4}$ NE $\frac{1}{4}$, 32.5 acres | all in sec 18 - T114N - R63W
NE $\frac{1}{4}$ NE $\frac{1}{4}$, 32.5 acres | SE $\frac{1}{4}$ NE $\frac{1}{4}$, 32.5 acres

formerly owned by Wilbert Nowell, Hitchcock, SD 57349

has been transferred to Charles I. Gilbert RR.1 Box 25 Hitchcock, S.D.
 (please include complete mailing address)

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

Water Right Permit No. 3054-3 as provided for in SDCL 46-5-32 and 46-5-33.

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

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

STATE OF SOUTH DAKOTA)
) ss.
 County of Spink)

I, Charles I. Gilbert being first duly sworn on my oath depose and say:
 That my relation to the above described undertaking is that of Owner, that I have read the above foregoing statement, and I know of my own personal knowledge that the information herein stated is true.

Charles I. Gilbert
 (Signed)

Subscribed and sworn to before me this 17th Day of February, 1985.

Albert Ray Smith
 (Notary Public)

RECEIPT

Division of Water Rights

South Dakota Department of Water and Natural Resources

No 4 9944

Pierre, February 13, 1935

RECEIVED OF Charles Gilbert, RR#1, Box 25, Hitchcock, SD 57348

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

Fee for Application for Permit No. _____ to Appropriate Water, to construct works and to put water to beneficial use _____		
Fee for Application for Permit No. _____ to Appropriate Water for Future Use _____		
Fee to retain Future Use Permit No. _____ after period of seven years.		
Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water License No. _____		
Fee for Filing Transfer Form 3054-3 _____	2	50
Fee for Filing Extension Request _____		
Fee for Certified Copy of _____		
Fee for Print Copy of Map _____		
Fee for Certifying _____		
Fee for _____		
(Any Other Work Provided by Law)	Total	2 50

By John Hatch
Chief Engineer JOHN HATCH (ms)

No. _____

3054-3



Department of Water & Natural Resources

Joe Foss Building Water Rights Division
Pierre, South Dakota 57501

Phone (605) 773-3352

February 14, 1985

Charles Gilbert
RR#1, Box 25
Hitchcock, South Dakota 57340

Dear Mr. Gilbert:

Enclosed is receipt No. 4 9944 in the amount of \$2.50 which you
paid for transfer of Water Right No. 3054-3.

Our records now show you as the owner of this Water Right.

Sincerely,

Haxine Stirling
Staff Assistant

ms/
Enc.

WNR-821-7/79

Receipt & Notice of filing of Transfer of Water Right

SOUTH DAKOTA
Water & Natural Resources
Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3187

March 31, 1986

Charles Gilbert
RR 1, Box 25
Hitchcock, SD 57348

Notice

Re: Violation of Requirement to Submit 1985 Irrigation Questionnaire

Our records indicate that the 1985 Irrigation Questionnaire has not been submitted for Water Permit No(s). 3054-3. The request for the Questionnaire was dated November 13, 1985. The Water Management Board has directed that owners of water permits who have not submitted 1985 Irrigation Questionnaires be given notice of hearing(s) to be held by the Board to determine if any action is to be taken concerning the violation.

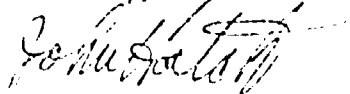
The hearings will be held at 2:00 p.m., May 14, 1986 in Room 216, Joe Foss Building, Pierre, South Dakota.

The hearing(s) will be conducted pursuant to the provisions of SDCL 46-1-12, 46-1-14, 46-2-9, 46-2-11, and 46-2-17. These are contested case hearings pursuant to procedures contained in SDCL 1-26. Following the hearing(s), the Water Management Board can:

1. Amend Permit No(s). 3054-3 to require the Irrigation Water Use Questionnaire to be submitted each year;
2. Postpone any action;
3. Take no action.

The hearing(s) 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.

Sincerely,



John Hatch, Chief Engineer
Water Rights Division
(605) 773-3352

Note: If the questionnaire(s) is received in this office before the May 14 hearing date, your name will be deleted from the agenda for the hearings.

 **Department of
Water & Natural Resources**

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

May 20, 1986

NOTICE OF AMENDMENT TO WATER PERMIT(S)

To: Charles Gilbert
RR 1 Box 25
Hitchcock SD 57348

FROM: John Hatch, Chief Engineer
Water Rights Division
605 773-3352



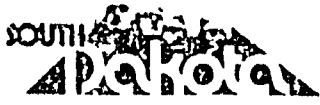
SUBJECT: Amendment to Water Permit No(s). 3054-3

Pursuant to the provisions of the notice dated March 31, 1986, and following the Hearing May 14, 1986, the Water Management Board has amended Water Permit No(s). 3054-3 to add the following qualification:

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

The addition of this qualification to your Permit means that failure to submit the required irrigation questionnaire in the future could result in suspension of the water permit and no use of water for up to one year for the first violation. Please include the enclosed attachment with your permit.

Equal Opportunity Employer.



Department of Water & Natural Resources

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

Attachment to Water Permit No. 3054-3

Pursuant to the provisions of the notice dated May 20, 1986, and following the Hearing May 14, 1986, the Water Management Board has amended Water Permit No. 3054-3 to add the following qualification:

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

Equal Opportunity Employer

3054-3

NOTICE OF WELL CONSTRUCTION

(1) WELL CONSTRUCTION

Location of well: N 1/4 1/4 Section 15 Township 13 N Range 16 W
 Well owner: Wilbert Howell
 Date well drilling completed: 8-28-77 Purpose of well: Irrigation
 (domestic, irrigation, municipal, industrial, other)

WELL LOG

Depth, top to top, in feet	Description of str.
0-6	top sand
6-18	clay
18-19	rock
19-23	clay
23-55	blue clay
55-66	medium coarse sand and coal
86-95	clay

After about 4 more space is needed

Depth to top of water producing aquifer: 75'
 Depth to static water level: 44'
 Name of producing aquifer (if known): 75'
 Total depth of drill hole: 91'
 Depth to bottom of casing: 91'

Casing information in the space below show kind, size, weight, lengths per diameter, etc., per production casing and surface casing, if used.

Concrete 16" X 48" X 2 1/2" wall 640'

0-49 Flain 49-68 Screen 88-89 Plug

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

Concrete 16" X 48" X 2 1/2" wall 640'

1/8" outside taper to 3/8" inside by 3"

120 open spaces per 48"

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

George J. Jorgensen
 Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump: George J. Jorgensen HP 40
 Type of pump: Western Land Rite Capacity of installed pump: 600 G.P.M.
 Depth of pump placement: 80' ft. Date of pump installation: 7/19/77

(3) WATER SURFACE MEASURING TUBE

An open well or an air-tight water surface measuring tube is required: See Section 46.406 of Chapter 17A, MINNESOTA WELL CONSTRUCTION STANDARDS.
 (Show grade and/or length of water surface measuring tube, when installed) _____ ft., type, diameter _____
 only material: _____



George J. Jorgensen
 Name of Drilling Contractor



CONSERVATION COMMISSION INFORMATION FORM

DATE: January 9, 1986

Page 1 - Approved with Requirements

NAME: Charles Gilbert
ADDRESS: RR 1, Box 25
ADDRESS: Hitchcock, SD 57348
COUNTY: Spink

Water Quality: SAMPLE #: 85-1058
SALINITY: 1150
SAR: 0.60
SODIUM: 11.68
ADJ SAR: 1.49

LIGAL DESCRIPTION: N21/4 18-114-63 = 130 acres

APPLICATION #: 4161

GROUND

TYPE OF IRRIGATION: Center Pivot

REQUIREMENTS

That adequate internal drainage be provided if found necessary to assure the necessary leaching of salts from the root zone.

MANAGEMENT RECOMMENDATIONS

To improve the moisture holding ability of the soils of the area as well as reduce the wind erosion hazard we recommend the use of a form of conservation tillage. It has been found that through the increase in organic matter (crop residue) both these factors are improved.

TYPE OF PERMIT GRANTED AND REASON

The Approved with Requirements recommendation is based on the glacial till under Hamar soil series in the mapping unit 97 and the till substratum in the soil series of Maddock in the mapping unit 96. The glacial till may prevent the adequate leaching of salts from the root zone in these areas.

SOIL/WATER COMPATIBILITY PERMIT APPLICATION FORM
Division of Conservation

Office Use Only

4111

WR#

OWNERS NAME: Charles E. Gilbert

OWNERS ADDRESS: Box 24

Highway 18 Box 24

COUNTY LAND LOCATED IN: Spink

PHONE: _____

TENANT'S NAME AND ADDRESS: _____

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

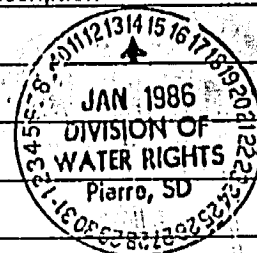
1. WELL LOCATION: NE 1/4 Sec 10 T14N R63W

Depth: 75 ft

2. SURFACE WATER SOURCE AND DIVERSION LOCATION: _____

Diversion Location: _____

Legal Description	Acres	Legal Description	Acres
NE 1/4 Sec 10 T14N R63W	2.5		
NE 1/4 Sec 11 T14N R63W	2.5		
SW 1/4 Sec 10 T14N R63W	2.5		
SE 1/4 Sec 10 T14N R63W	2.5		



3. SHOW ANY PORTION OF LAND THAT PRESENTLY HOLDS AN IRRIGATION PERMIT: YEAR OBTAINED 76

LEGAL DESCRIPTION: NE 1/4 Sec 10 T14N R63W

IN WHAT NAME: Charles E. Gilbert

4. LOCATION OF AREA TO BE IRRIGATED NOTE: SOILS INFORMATION FOR THIS AREA MUST ACCOMPANY THE APPLICATION. (See instruction sheet)

5. TYPE OF IRRIGATION: GRAVITY: _____ TOWLINE: _____ CENTER PIVOT: ☒ GUN: _____ (Specify)

6. CROPS TO BE IRRIGATED: _____

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

7. WATER SAMPLE NUMBER: 85-1058

10. ADJUSTED (SAR): 1.49

8. SALINITY (EC X 10⁶): 11.50

11. PERCENT SODIUM 11.68

9. SODIUM (SAR): 0.60

I hereby certify that I personally obtained or that I personally observed that 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 instruction sheet) were followed, and that the sample was taken at _____ a.m./p.m., on _____, 19____, at the following location: _____

by (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.

Signature

I understand that the Division of Conservation or agents thereof may obtain water samples from wells and surface bodies to be used for irrigation purposes to validate water samples taken at the time of application. The Department of Agriculture may also gather technical information necessary to protect the land. (46-5-6.4).

SUBSCRIBED AND SWORN BEFORE ME THIS

21 DAY OF October, 1985

(NOTARY PUBLIC)

APPLICANT'S SIGNATURE

Director, Division of Conservation

Date

1-10-86 APPROVED with Requirements

DISAPPROVED

CONDITIONALLY APPROVED

Conditional soil/water permits will be recorded by

Action by the Department of Agriculture or the State Conservation Commission is not the final action on any application. In all cases a WATER

4161

Approved with Requirements

SOUTH DAKOTA DEPARTMENT OF AGRICULTURE
DIVISION OF CONSERVATION

NAME OF APPLICANT: Charles Gilbert

LEGAL DESCRIPTION: NE1/4 18-114-63 - 130 acres

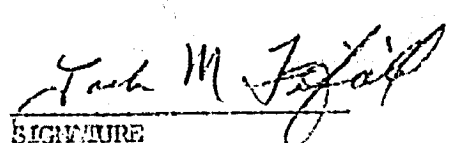
SOIL REQUIREMENTS:

RECOMMENDED TILLAGE:

That adequate internal drainage be provided if found necessary to assure the necessary leaching of salts from the root zone.

RECOMMENDED TILLAGE:

To improve the moisture holding ability of the soils of the area as well as reduce the wind erosion hazard we recommend the use of a form of conservation tillage. It has been found that through the increase in organic matter (crop residue) both these factors are improved.


SIGNATURE

DATE



Department of Water & Natural Resources

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

Water Rights Division
605 773-3352

January 18, 1985

Charles Gilbert
Box 25
Hitchcock SD 57348

Dear Mr. Gilbert:

On December 12, 1984, I visited your farm for the final inspection of Permit No. 3054-3. The purpose of the final inspection is to compare the original conditions of the permit with what you have developed. After all necessary corrections are made, the water permit is licensed and becomes a water right.

I discussed with you that the irrigation well is not in the correct location according to Permit No. 3054-3. The well was to be constructed in the NE $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 18 not in the present location. The enclosed application covers the existing well location and is an amendment to Permit No. 3054-3 with the old priority date maintained. I have also enclosed a transfer of ownership form to place Permit No. 3054-3 in your name.

Please answer any questions which have not been completed and correct any errors. The forms must then be notarized and returned with an application fee of \$50 and a \$2.50 for transfer of ownership. Thank you for your time and consideration.

Sincerely,

RON DUVALL
Water Resources Engineer

RD:ks

enclosures

Water Rights Division
605 773-3352

March 11, 1985

Charles Gilbert
RR 1, Box 25
Hitchcock SD 57348

Dear Mr. Gilbert:

I am contacting you regarding the amendment to permit No. 3054-3. I have been contacted by the Division of Conservation and informed that the amendment to Permit No. 3054-3 will need soil and water compatibility approval. The present location of the irrigation well is not within 2000 feet of the location applied for on the original permit. The Division of Conservation therefore requires that soil and water compatibility be completed again to insure that water quality has not changed.

Soil and water compatibility approval must be obtained before the amendment to Permit No. 3054-3 can be approved. I have enclosed a WI-1 form which must be completed and sent to Brookings with a water sample. Contact the Division of Conservation if you have any questions about the WI-1 form (773-3259). Thank you for your time and consideration.

Sincerely,

RON DUVALL
Water Resources Engineer

RD:ks

enclosure

WATER RIGHTS DIVISION
(605) 773-3352

September 12, 1985

Charles I. Gilbert
RR#1, Box 25
Hitchcock, South Dakota 57348

Dear Mr. Gilbert:

I am contacting you regarding a letter sent to you on March 11, 1985. Enclosed is a copy of the letter. The Division of Conservation has not received the WI-1 form which was sent with the previous letter. I have enclosed another WI-1 form which needs to be notarized and sent to the Division of Conservation.

The Division of Water Rights has the permit application and the fee which you sent to our office. However, no further action can be taken towards approving the permit application until soil and water compatibility is completed. Please return the enclosed WI-1 form so that processing of your permit application can continue.

Sincerely,

Ron Duvall
Natural Resources Engineer

RD:ms
Enc.



Department of Water & Natural Resources

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

February 27, 1987

SECOND NOTICE

Permit No. 3054A-3

NOTICE OF WATER LICENSE INSPECTION FEE REQUIREMENT

Charles Gilbert
RR #1 Box 25
Hitchcock, SD 57348

Dear Mr. Gilbert:

April 22, 1986 you were notified the final inspection fee of \$50.00 is due before Water License No. 3054A-3 can be issued. As of this date, the fee has not been received.

The fee is a final step in the legal process of obtaining and perfecting a water right and is required by SDCL 46-2-13(3). Upon receipt of the \$50.00 fee, your Water License will be sent to you. This is the final document for the perfection of your Water Right. A perfected water right is similar to a property right and once a water right is perfected, it cannot be lost as long as the water is used.

South Dakota Water Law 46-5-30.1 requires that a permit holder may not divert water until the License fee has been paid. Please submit the required fee immediately to avoid jeopardizing your water permit.

A completed transfer form and filing fee is also needed for Water Permit No. 3054-3. The Permit is still listed in the name of Wilbert Nowell. Enclosed is a partially completed "Notice of Transfer". Please check this over, date, sign and have it notarized. Upon completion of the form, return it to our office with the required filing fee of \$2.50.

The total amount due for the Water License and the transfer is \$52.50. If you have any questions, please contact our office.

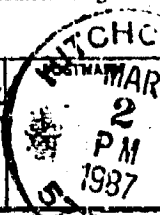
Very truly yours,

John Hatch, Chief Engineer
Water Rights Division
Phone: (605) 773-3352

enclosure

PS Form 3811, Dec. 1980

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL

● SENDER: Complete items 1, 2, 3, and 4. Add your address in the "RETURN TO" space on reverse.	
(CONSULT POSTMASTER FOR FEES)	
1. The following service is requested (check one). ☒ Show to whom and date delivered —c ☐ Show to whom, date, and address of delivery .. —c	
2. ☐ RESTRICTED DELIVERY —c (The restricted delivery fee is charged in addition to the return receipt fee.)	
TOTAL \$ _____	
3. ARTICLE ADDRESSED TO: <i>Charles Gilbert</i> <i>RR 1, Box 25</i> <i>Hitchcock SD 57348</i>	
4. TYPE OF SERVICE: ☐ REGISTERED ☐ INSURED ☐ CERTIFIED ☐ COD ☐ EXPRESS MAIL	ARTICLE NUMBER <i>P 324925 1071</i>
(Always obtain signature of addressee or agent)	
I have received the article described above. SIGNATURE ☐ Addressee ☐ Authorized agent	
5. DATE OF DELIVERY <i>Bernice Gilbert</i>	
6. ADDRESSEE'S ADDRESS (Only if requested)	
7. UNABLE TO DELIVER BECAUSE:	7a. EMPLOYEE'S INITIALS <i>XP</i>

LICENSE FOR PERMIT NUMBER 3054-3

1. Legal location of wells: 860 Ft W and 2400 Ft S From the NE corner
of sec R-7114-R63W

dams & structures: _____

2. Well Information: Well Drilling Firm Grosch Irrigation

No. of wells 1 Depth 95 Ft drill hole

Casing a) diameter 16"x48"x2 1/2" wall Screen a) type concrete
b) length 49 Ft b) length 52 Ft
c) type concrete Static Water Level 44 Ft

Pump a) make Western Land Roller Motor a) make General Electric
b) ~~model~~ ^{S.N.} E 77660 b) ~~model~~ ^{Serial} no. GNT 713361
c) ~~size~~ ^{Head No.} 8M c) horsepower rating 40
d) capacity _____ GPH d) motor efficiency rating _____
e) turbine pump
no. of stages _____

3. Distribution lines:

a) size of lines 8 in.
b) type PVC
c) length 1190 Ft

4. Dam information:

a) height to crest _____
b) height to spillway _____
c) crest width _____
d) crest length _____
e) spillway length _____
f) spillway width _____
g) approx. storage _____
h) Distribution lines or canals:

- i) Outlet tubes:

1) diameter _____
2) type _____
3) valued (Y/N) _____
4) valve type _____
5) location on structure _____

1) size _____
2) type _____
3) length _____

5. System Type: a) sideroll:

1) length _____ feet
2) diameter of pipe _____
3) make, model & number of sprinklers _____
4) spacing of sprinklers _____
5) nozzle size _____

- b) towline:

1) length _____ feet
2) make, model & number of sprinklers _____
3) spacing of sprinklers _____
4) nozzle size _____

5. System Type: c) center pivot

- 1) make Zimmatic
- 2) number of towers 7
- 3) distance between towers _____
- 4) overall length 1300 ft
- 5) End gun (Y/N) N
- 6) high or low pressure low
- 7) make & size of nozzles _____
- 8) PSI reading while system is running 35
- 9) GPM 600

g) Gun

- 1) make _____
- 2) serial number _____
- 3) nozzle size _____
- 4) capacity (GPM) _____
- 5) PSI _____
- 6) hose size _____
- 7) hose length _____

d) Gate Pipe

- 1) length _____
- 2) diameter _____
- 3) spacing of gates _____

e) Siphons

- 1) number _____
- 2) size _____

f) Portable boom

- 1) make _____
- 2) serial number _____
- 3) nozzle size _____
- 4) capacity (GPM) _____
- 5) PSI _____

h) Hydromatic

- 1) make _____
- 2) model _____
- 3) serial number _____
- 4) length _____
- 5) nozzle size _____
- 6) spacing _____
- 7) PSI _____
- 8) capacity (GPM) _____

YES	NO	Check Items
☒	☐	1. Soil and water permit lands agree with lands being irrigated and lands listed on permit.
☒	☐	2. Special Qualifications to permit being abided by.
☒	☐	3. All Structures, wells and lands on map.

REMARKS:

Permit No. 3054-3James River Water District**Report Of Examination Of Works And/Or Application Of Water To Beneficial Use**

TO: Chief Engineer, Division of Water Rights, DWNR, Foss Bldg., Pierre, SD 57501

I have this day made a thorough examination of the water use system constructed by Charles Gilbert of Box 25, Hitchcock, SD holder ofPermit No. 3054-3, bearing the priority of September 14 1976 authorizing the diversion of 2.22 cu. ft. per second of the waters of groundwater (Tulare - Hitchcock) for irrigation purposes, in Spink County.

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

motor: General Electric pump: Western Land Roller

S.N. GNT713361

S.N. E 77660

A. Works used to divert the water:

40hp.

Head Ab. 8 M

pipeline: size - 8 in.

type - PVC

length - 1190 ft.

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

center pivot: make - Zimmatic

of towers - 7

length - 1300 ft.

C. Works used to apply water to beneficial use:

low pressure - 35 psi

capacity - 600 gpm

The system is in the following condition goodThe point of diversion is located well: 860 ft. W and 2400 ft. S from the NE corner of sec. 18 - T114N - R63WThe works are capable of diverting and conveying to the place of use 1.33cu. 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:

NW 1/4 NE 1/4 sec 18 - T114N - R63W Acres 32.5NE 1/4 NE 1/4 " 32.5SW 1/4 NE 1/4 " 32.5SE 1/4 NE 1/4 " 32.5comprising a total of 130.0 acres of land and the license should be issued for 1.33 cfsApplicable permit qualifications have been complied with ☒ Yes ☐ NoExceptions to compliance are: _____ Date Dec. 12, 1984Ron Davall
(signature)

3054-3

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

APR 22 1966

Charles Gilbert
RR 1, Box 25
Hitchcock SD 57348

Dear Sir:

Enclosed herewith is your Water Permit No. 3054A-3 as approved by the Water Management Board authorizing your water diversion system and apply the water to beneficial use, not exceeding the limits as specified in said water Right Permit No. 3054A-3.

The final inspection has been completed on this Permit, and we are ready to issue the Water License. Statutes require we charge \$50 for the inspection and issuance of the final papers. Upon receipt of this amount, the final papers will be sent to you.

Very truly yours,

John Hatch

JOHN HATCH, Chief Engineer
Water Rights Division

JH: ks

enclosure

NOTE: Also enclosed is a "Notice of Transfer" form for Permit No. 3054-3. Please check this over, date, sign have notarized and return with a \$2.50 filing fee so that the permit can be changed to your name. Total amount due for the Water License and transfer is \$52.50.

NO. 3054-3

NOTICE OF TRANSFER OF WATER PERMIT



TO: Water Rights
Foss Building
Pierre, SD 57501

Date: March 2 1987

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

NE 1/4 Section 18, T114N, R63W

formerly owned by Wilbert Howell

has been transferred to Charles Gilbert, RR 1, Box 25, Hitchcock SD 57348

(please include complete mailing address)

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

Water Right Permit No. 3054-3 as provided for in SDCL 46-5-32 and 46-5-33.

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

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

STATE OF SOUTH DAKOTA)
County of SPT Rk) ss.

I, Charles Gilbert being first duly sworn on my oath depose and say: That my relation to the above described undertaking is that of Owner, that I have read the above foregoing statement, and I know of my own personal knowledge that the information herein stated is true.

Charles Gilbert
(Signed)

Subscribed and sworn to before me this 2nd Day of March, 1987.

Robert H. H. H.
(Notary Public)

No. 3054A-3



Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501

WATER RIGHTS DIVISION
Phone (605) 773-3352

APR 30 1987

Charles I. Gilbert
Route 1, Box 25
Hitchcock, South Dakota 57348

Dear Mr. Gilbert:

Enclosed herewith is, Water License No. 3054A-3. This is the final water right document completing your process of obtaining a water right.

As long as you use the water beneficially, as stated in the Water License, the State Water Laws provide that you have a continuing right to use the water.

Very truly yours,

A handwritten signature in cursive script, appearing to read "John Hatch".

JOHN HATCH, Chief Engineer
Water Rights Division

JH:ms

Enclosures

Applicable portions of Water Permit No. 3054-3 are being incorporated into this Water License. No. 3054A-3.

NOT TO SCALE

3054-3

