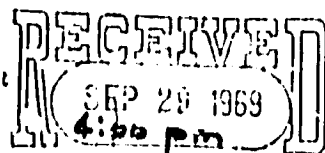


1002-2.

1. Considered NOVEMBER 12, 69
2. Name of Applicant JIMMIE O'NEILL
3. Post Office Address HARRINGTON
4. Amount of water claimed 2.30
5. Source of water supply GROUND WATER
6. Water to be used for IRRIGATION
Acres to be irrigated 169.10
7. Water to be diverted and used in BENNETT county
about 13 miles EAST of TUTHILL
8. Proof of Publication
Received 1/2
Not Received _____
9. Application
Approved _____
Subject to _____
Not Approved _____
Action deferred _____
10. Remarks:

No. 1002-2

Water Division No. 2 Little White River District
(Blanks to be Filled by the Engineer for the W. R. C.)



STATE WATER RESOURCES COMM.
PIERRE, SOUTH DAKOTA

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

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

I. Name of applicant Jimmie O'Neill
Postoffice address Harrington, County Bennett, State South Dakota

I. If a corporation No

- (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 applicant.)

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)
Direct labor

(b) Cash on hand, \$ _____ (c) Treasury stock, \$ _____
(d) Bonds to be issued, \$ _____ (e) Other resources, \$ _____

2. Name of diversion work JIMMIE O'NEILL #2
3. Amount of water claimed 2.3 cubic feet per second

4. Source of water supply Well

5. Location of point of diversion N 52°30'W, 2600' from S 1/4 corner, SECTION 21, T37N, R33W on BENNETT County.

6. Annual period or periods during which water is to be used Spring to fall

7. To be used for:

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

(a) Number of acres to be irrigated 169.1 acres.

(b) Legal subdivisions to be irrigated SW 1/4-27-4A Sec. 21; SE 1/4-6-8A-NE 1/4-21-8A; SE 1/4-1-5A Sec. 20; Lot 3-9-1 A; Lot 6-27-5A; Lot 7-6-8A-SW 1/4-25-2A; NW 1/4-10-0A T37N, R33W
(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.) _____

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 869-2

8. Estimated cost of work:

(a) Head Gate, \$..... (b) Pumping plant, \$.....
 (c) Fluming, \$..... (d) Canal-earth, \$..... Rock, \$.....
 (e) Other structures \$..... Total, \$.....

9. Description of diversion works:

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

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	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 Martin, South Dakota

KENNETT COUNTY BOOSTER

STATE OF SOUTH DAKOTA

County of Hughes } ss.

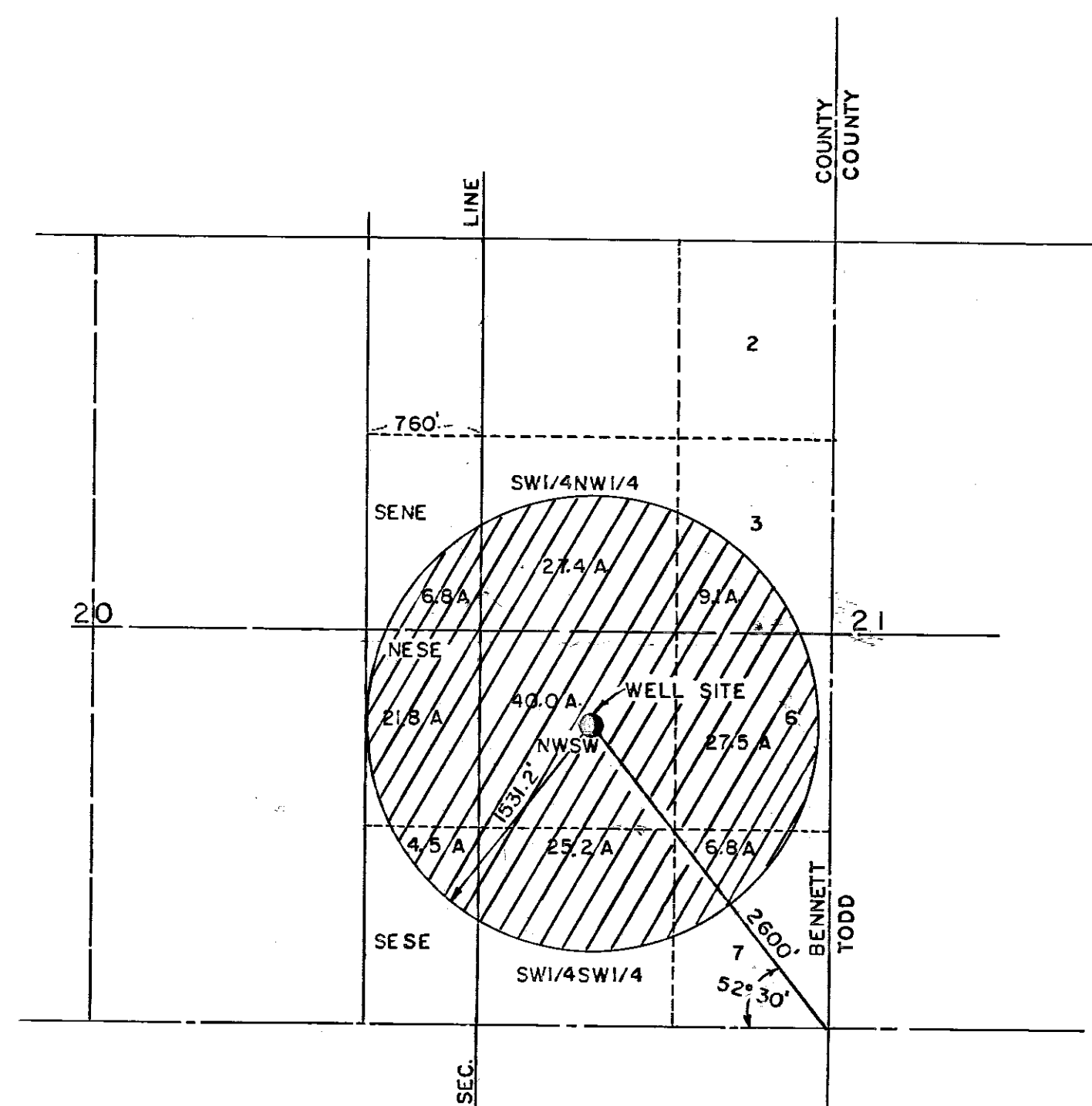
I, James O. Reed, being first duly sworn on my oath depose and say: That my relation to the above described undertaking is that of owner, that I have read the above foregoing statement, examined the map accompanying the same, and that I know of my own personal knowledge that the matters therein stated and shown are true.

Signed James O. Reed

Subscribed and sworn to before me this 2nd day of September 1967

Billy Westlund
 Notary Public for other qualified officer.)

N



SCALE 1" = 1000'

////// = LAND TO BE IRRIGATED

LOCATION	SECTION	TWP	RANGE	ACRES
SW 1/4 NW 1/4	21	37 N	33 W	27.4
LOT 3	21	37 N	33 W	9.1
LOT 6	21	37 N	33 W	27.5
NW 1/4 SW 1/4	21	37 N	33 W	40.0
LOT 7	21	37 N	33 W	6.8
SW 1/4 SW 1/4	21	37 N	33 W	25.2
SE 1/4 SE 1/4	20	37 N	33 W	4.5
NE 1/4 SE 1/4	20	37 N	33 W	21.8
SE 1/4 NE 1/4	20	37 N	33 W	6.8
TOTAL				169.1

ENGINEER'S CERTIFICATE

I, GEORGE FULLERTON, A SOUTH DAKOTA REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR 1121, CERTIFY THAT THIS PLAT IS A TRUE AND CORRECT DELINEATION OF AN IRRIGATION WELL SITE LOCATED IN THE SW 1/4 SEC. 21 T 37N R 33W OF THE 6TH P.M. BENNETT COUNTY, SOUTH DAKOTA. THE ABOVE DESCRIBED LAND BEING OWNED BY JIMMIE O'NEILL.

DATED Feb. 19, 1969.

George Fullerton
GEORGE FULLERTON PE-LS-1121

ACKNOWLEDGEMENT

STATE OF NEBRASKA } SS
COUNTY OF CHERRY }

ON THIS 19th DAY OF February, 1969, BEFORE ME, A NOTARY PUBLIC, DULY COMMISSIONED AND QUALIFIED IN AND FOR SAID COUNTY, APPEARED GEORGE FULLERTON WHO IS PERSONALLY KNOWN TO ME TO BE THE SAME AND HE ACKNOWLEDGED THE SIGNING OF SAID ENGINEER'S CERTIFICATE TO BE HIS VOLUNTARY ACT AND DEED. WITNESS MY HAND AND OFFICIAL SEAL THE AFORESAID DATE.

My Abdullah
NOTARY PUBLIC

MY COMMISSION EXPIRES: June 21, 1973

Remarks by State Water Resources Commission:

--- 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. ---

STATE OF SOUTH DAKOTA
County of HUGHES } ss.

Pierre, South Dakota, NOVEMBER 21, 1969

This is to certify that the foregoing application was received by the Commission at 4:00 o'clock
p.m. upon the 29TH day of SEPTEMBER, 1969.

State Water Resources Commission

By:

Anton J. Jones
for Chief Engineer, Executive Officer

Number of permit 1002-2

Date of first receipt of application SEPTEMBER 29, 1969

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 SEPTEMBER 29, 1969

Approved NOVEMBER 12, 1969, Recorded in Book 11 Page 57

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 _____

MAY 12, 1972

2nd. The whole of said work is to be completed on or before NOVEMBER 12, 1974

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

NOVEMBER 12, 1978

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

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 2.3 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 NOVEMBER 12, 1978; said water to be used during the following described annual period:

SPRING TO FALL

Witness my hand this 21ST day of NOVEMBER, 1969.

State Water Resources Commission

By:

William J. Jones
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 3 1/2", Depth 280'
 Type of casing CONCRETE
 (wood, concrete, steel, etc.)
 Size of casing 18", Thickness of casing 2"
 Length of casing 280. If collection gallery, length, size and depth of
 gallery: _____

(b) Screens

Type of perforated screen PERFORATED CONCRETE
 Size of perforated screen 18"
 (diameter) (length)
 Thickness of gravel pack 6", length of gravel pack _____

(c) Water Bearing Materials

Distance to water 70' Character of water bearing materials _____
110 - FINE TO MEDIUM SAND
100 GRAVEL
 Thickness of water bearing material 210

(d) Pump and Motor

Type of pump _____
 (centrifugal, propeller, mixed flow, etc.)
 Name of pump _____, size _____
 Kind of motor _____
 (gasoline, electric, diesel, etc.)
 Horsepower _____, Name of Motor _____

(e) Complete well

EST. 2000
 Capacity _____ at drawdown of _____ Estimated cost _____

(f) Owner of land upon which well is located Jimmie O'Neill

Name

Harrington, South Dakota

Address

(g) Distance to nearest existing wells

On same owner's property 1/2 MILE rods. On property owned by others 1/2 MILE rods
100'

Form 6 - Notice of Intent to Appropriate Water

1002-2

Publish first publication, on or before October 16, 19 69

NOTICE
INTENT TO APPROPRIATE WATER

Pierre, South Dakota 57501

September 30, 19 69

Notice is hereby given that Jimmie H. O'Neill
whose post office address is Harrington, 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
2.3 cubic feet of water per second of time from the ground water through the
Jimmie O'Neill #2, the point of diversion of which is to be located in the _____

NW 1/4 SW 1/4
of Section 21, Twp. 37N, Range 33W. Said water to be used for the purpose
of providing irrigation ^{portions} of the following described land:

SW 1/4, S 1/2 NW 1/4, Section 21; SE 1/4 NE 1/4 and E 1/2 SE 1/4, Section 20, T37N, R33W

This application No. 1002-2 will be considered by the Water Resources Commission at their office at
Pierre upon the 12th day of November, 19 69, at 2:00 P. M. All interested
persons may appear and be heard.

WATER RESOURCES COMMISSION

By:

cc: Jimmie H. O'Neill,
Harrington, S.D.

BURTON P. JONES
Water Rights Specialist

Form 9 - Proof of Publication - Notice of
Intent to Appropriate Water

No. 1002-2

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Bennett) ss.

I, Mary E. Long hereby
certify that the annexed printed copy of Notice of Intent to Appropriate
Water was taken from the Bennett County Booster II

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 Martin of _____

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

October 16, 1969

October 23, 1969

October 30, 1969

November 6, 1969

Mary E. Long
(Signature)

Owner

(Title)

November 20, 1969

(Date Signed)

NOTICE INTENT TO APPROPRIATE WATER

September 30, 1969
Notice is hereby given that Jimmie H. O'Neill whose post office address is Harrington, 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 2.3 cubic feet of water per second of time from ground water through the Jimmie O'Neill No. 2, the point of diversion of which is to be located in the NW 1/4 SW 1/4 on Section 21, Twp. 37N, Range 33W. Said water to be used for the purpose of providing irrigation on portions of the following described land:

SW 1/4, S 1/4 NW 1/4, Section 21; SE 1/4 NW 1/4 and E 1/4 SE 1/4, Section 20, T37N, R33W.

This application No. 1002-2 will be considered by the Water Resources Commission at their office at Pierre upon the 13th day of November, 1969, at 2:00 P.M. All interested persons may appear and be heard.

WATER RESOURCES COMMISSION

Burton F. Jones,
Water Rights Specialist
cc: Jimmie H. O'Neill, Harrington,
S. Dak.
4-15

RECEIVED
NOV 21 1969

STATE WATER RESOURCES COMMISSION
PIERRE, SOUTH DAKOTA

July 7, 1976

Mr. Jimmie H. O'Neill
Harrington
South Dakota 57535

Dear Mr. O'Neill:

On May 19, 1976, Mr. LeRoy Hernaugh of this office contacted you about your Water Permit No. 1002-2 authorizing the diversion of 2.3 cubic feet per second of water from a well to irrigate 169.1 acres.

You indicated that there had been no construction or development.

South Dakota Water Laws provide that the water diversion system is to be completed within a five year period after the water Permit is approved. The expiration date of the five year period for Water Permit No. 1002-2 was November 12, 1974.

Therefore cancellation of Water Permit No. 1002-2 will be considered by the Water Rights Commission at 10:00 A.M., D.S.T., on September 30, 1976 at its office in Pierre, S.D.

Sincerely,

JOHN HATCH
Chief Engineer
Water Rights Commission

JH/LM/bw

9-15-76
Jimnie O'Neil

W.R. scheduled for
cancellation 10:00am,
Sept. 30

He does not want
his ~~permit~~ to be
cancelled. I told
him to write letter
& possibly be here
for meeting

com
Extended Permit to Nov. 21, 1976
at Sept 30 meeting - nothing else
has been done



Vetal, S. D.
September 20, 1976
FH--535--4599

Mr. John Hatch
Water Rights Commission,

Dear Mr. Hatch,

I received a letter July 7 1976 stating that cancellation of Permit No 1002--2 would be considered on Sept. 30, '76. I realize considerable time has elapsed since I applied for the permit. Several factors have been involved --the main one being the shortage and price of fuel. This spring a new sub station was put in at Vetal bringing in enough electricity for irrigation which wasn't available before. I am in the process of putting in a test hole and because of the drought and shortage of feed I want to put in a circular system yet this fall.

At the time of my application for water permit No 1002--2 it was quite expensive requiring maps and measurements by a qualified Engineer. I would appreciate it if the Water Commission would extend water permit No 1002--2.

Sincerely,

Jimmie H. O'Neill
Jimmie H. O'Neill

copy

WELL DRILLERS REPORT
SOUTH DAKOTA WATER RIGHTS COMMISSION

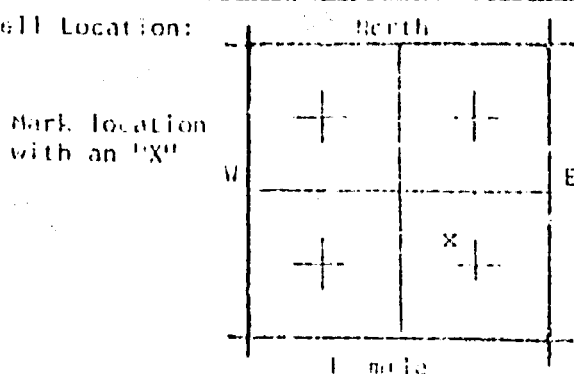
4-78

Well Owner:

Name Jin O'Neill

Address Yatal, South Dakota

Well Location:



County Bennett

SE 1/4 NW 1/4 Sec. 21 Twp. 37 Rq. 32

Proposed Use:

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

Method of Drilling:

☐ Forward Rotary ☐ Bored ☐ Jetted
☒ Reverse Rotary ☐ Cable ☐ Other

Well Construction:

Diameter of Hole 32

Depth 270

Casing ☒ Steel ☐ Concrete

☐ Plastic ☐ Other

If other, specify _____

Was casing end left open No

Was a well screen installed Yes

Describe Well Screen

Diameter 1 1/2 Material Steel

Slot size 3/8 x 150

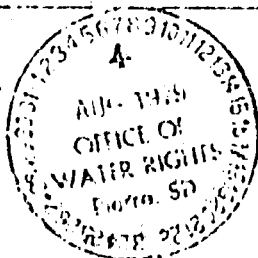
Was well gravel packed Yes

Was well grouted No

Was water sample taken No

Remarks:

ss sandstone
lys layers
sm small



Water Level Information:

Static water level 67 below land surface

If flowing: closed to pressure PSI

rate of flow _____ GPM

Controlled by:

☐ Valve ☐ Reducers ☐ Other

If other, specify _____

Well Test Data:

☒ Pump J

☐ Bailed Describe: _____

☐ Other: _____

Pumping Level Below Land Surface

ft. After	Hrs. pumped	GPM
<u>193</u>	<u>3</u>	<u>1200</u>
<u>166</u>	<u>2</u>	<u>1000</u>
<u>157</u>	<u>1</u>	<u>800</u>

Well Log:

Formation	Depth	
	From	To
sand, sandstone	0	53
sand, sm. clay lys.	53	60
med-coarse sand	60	96
med-coarse sand, ss	96	100
med sand, sandstone	100	140
med sand	140	193
clay	193	200
med sand	200	213
clay	213	216
med sand	216	220
med sand, clay lys.	220	237
fine gravel	237	245
med sand, ss, clay ly	245	260
fine sand, red rock	260	300

(Use Back if Necessary)

Date Completed: June 28, 1979

Driller:

Sargent Irrigation Co. #273
Driller's or Firm's Name License NO
Box 70
Bassett, Nebraska
Address

John W. Sargent 8-2-79

Signed By John W. Sargent Date

Aug 2 1979

1002-2

A driller's report was received August 7, 1979 for an irrigation well in SE $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 21 for Jim O'Neill, Vetal, .SD.

This well should have been in before 1976 - no follow up to cancel the permit was done, after talking to Mernaugh, upon checking into this permit (inspection) it will be licensed or cancelled if nothing further has been done.

**SOUTH Dakota Department of
Water & Natural Resources**

Joe Foss Building
623 East Capitol
Pierre, South Dakota 57501

WATER RIGHTS DIVISION
Phone (605) 773-3352

No. 1002A-3

DEC 20 1985

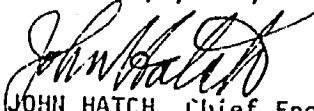
Jimmie O'Neill
RR
Vestal SD 57574

Dear Mr. O'Neill:

Enclosed herewith is, Water License No. 1002A-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,


JOHN HATCH, Chief Engineer
Water Rights Division

JH:ks

Enclosures

NOTE: The applicable portions of Water Permit No. 1002-2 have been incorporated into this Water License No. 1002A-3.

WNR-817 3/83

Transmittal of Water License