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recorded
Sept. 12, 1977

b. o. g.

Albuquerque 1280

March 1950 10/9

14000 barrels pump at River

Deerline Pump 4A 211

Planned by Danika 100 HP

Water Right Number 2888-3

1. Considered 1-26, 1971
2. Name of Applicant TODD INCEPINK
3. Post Office Address CASTLEWOOD
4. Amount of water claimed 2.00
5. Source of water supply 2-40' DEEP WELLS
6. Water to be used for IRRIGATION
Acres to be irrigated 160
7. Water to be diverted and used in HAMLIN County
about 2E, 2S Miles of CASTLEWOOD
8. Proof of Publication
Received 1-7-77
Not received
9. Application
Approved
Subject to
Not approved
Action deferred
10. Remarks:

Map No. 2270-3 Water Division No. 3 Big Sioux River District 2888-3
(Blanks to be Filled by the Engineer for the W. P. C.)



APPLICATION FOR PERMIT

To Appropriate Water within the State of South Dakota

(NOTE--Draw a line through items not applicable)

1. Name of Applicant Todd N. Woertink
Postoffice address Castlewood, State South Dakota 57223
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 Todd N. Woertink, Unit #1
4. Amount of water claimed (cubic feet per second) 2.0
5. Source of water supply Ground Water
6. Location of point of diversion AT POINTS IN THE SW⁴ NW⁴ SECTION 17, T14N, R51W
County Hamlin
7. Annual period or periods during which water is to be used March - November
8. Use to be made of water, (irrigation, industrial, municipal, commercial, recreation, etc.) Irrigation
9. For irrigation use, Total number of acres to be irrigated 160

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

Land Description	No. Acres Irr.	Land Description	No. Acres Irr.
N.W. Quarter of 17-114-51	160		

Attach sheet if more space is needed

10. Time required to complete construction of water supply system 5 years. Additional time required to complete application of water to the proposed beneficial use 2 years.
11. Choice of newspaper for Notice of Intent to Appropriate Water publication Hamlin County Republican, Castlewood, S.D.
12. Principal Features of the Proposed Water Supply System.

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

Pump Bowl

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

Main Line

C. Works proposed to apply water to beneficial use.

Center Pivot

Estimated Total Cost \$ _____

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 Hamlin) ss.I, Todd N. Woertink

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

X Signed

Todd N. Woertink

Subscribed and sworn to before me this

11 day of July, 1976

Notary Public (or other qualified officer)

Commission Expires 11.6.76

WATER RIGHT APPLICATION APPROVAL

The Water Rights Commission hereby approves Water Right Application No. 2888-3

TODD N. WOERTINK
(Applicant)

CASTLEWOOD
(Post Office Address)

SOUTH DAKOTA 57223 With the following modifications:
(State)

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

WELLS APPROVED UNDER THIS PERMIT SHALL BE SPACED SO THAT THERE IS AT LEAST 660' SPACING BETWEEN THE WELLS.

Date of first receipt of application AUGUST 6, 19 76

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

Date of receipt of corrected application AUGUST 20, 19 76

Approved JANUARY 26, 19 77, Recorded in Book 16 Page 285

WATER RIGHT PERMIT NO. 2888-3

The Water Rights Commission hereby grants and issues this Water Right Permit No. 2888-3 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 AUGUST 6, 19 76
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before JULY 26, 19 79
3. The whole of said work is to be completed on or before JANUARY 26, 19 82
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is JANUARY 26, 19 84
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 2.00 cubic feet per second; neither shall it exceed the capacity of the above described water supply system, nor shall it exceed the amount of water needed for beneficial uses served, and if for the irrigation purposes said appropriation must be limited to not more than 3 acre feet per acre per year and be limited to not more than one-seventieth (1/70) of one cubic foot of water per second of time for each acre of land to which water is actually and beneficially applied for irrigation on or before JANUARY 26, 19 84; said water to be used during the following described annual period: MARCH - NOVEMBER

Witness my hand this 17TH day of FEBRUARY, 19 77

WATER RIGHTS COMMISSION

By:

John H. Hatah
Chief Engineer, Executive Officer

Certificate of Construction Issued —, 19 —

Water License Issued —, 19 —

PAGE NO. 1

Lloyd Peterson,
FOREMAN^{Jr.}

[illegible]

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

D. Well Information or Estimates

(1) Drill Hole, Diameter _____, Depth _____

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

(3) Perforated Screen.

Type _____, 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. *Log will be furnished by driller

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

Character of Water bearing materials _____

Depth to top of water bearing material _____

Depth to bottom of water bearing material _____

Thickness of water bearing material _____

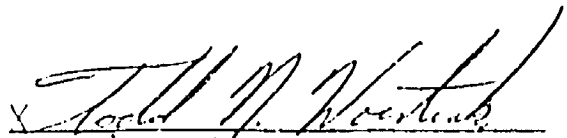
Depth to water (ground surface to water level) _____

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

On same owner's property 40 rds. On property owned by others 140 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.


Signature of Applicant

July 30, 1976

Mr. Todd N. Woertink
Castlewood, SD 57223

Dear Mr. Woertink:

The original copy of the report of analysis of your sample #76-794 was sent to you on July 26. I am enclosing herewith a copy of the RES publication #13. The quality of the water for irrigation use is given approximately by means of the red cross in the chart on the outside back cover. It is fairly good water, being in the moderately high salinity bracket but low in sodium. Thus, there should be no chemically-induced changes in this soil as a result of use of this water. The soils which you propose to irrigate are not unusual and present no special management difficulties as I am able to determine from the soil map except that the very southwestern corner of the quarter should not be irrigated, as you are already aware. You may also have occasional problems with water table or water running in on the depressional area in the northeastern part of the quarter. You will have to watch this and abstain from irrigating this portion if possible when water table rise occurs.

A copy of this letter is accompanying a copy of the water analysis and your application materials to the Conservation Commission.

You will find your receipt for payment enclosed. Thank you.

Sincerely yours,

L. O. Fine

L. O. Fine
Water Quality Lab

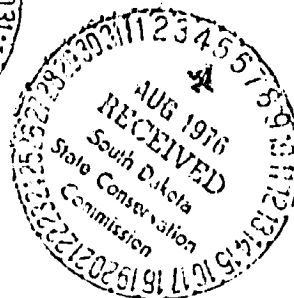
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Enclosures

cc: State Conservation Commission

D. Pahl

Harold Campbell, County Extension Agent



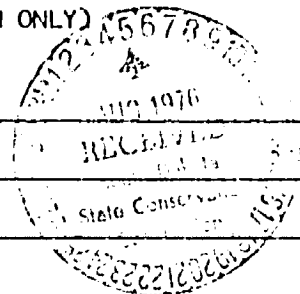
CONSERVATION
COMMISSION
FORM W1 #1

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 Todd N. Woertink

ADDRESS Castlewood, South Dakota 57223

COUNTY Hamlin



LEGAL DESCRIPTION

1. WELL LOCATION S.W. of the N.W. Quarter 17-114-51
2. LOCATION OF AREA TO BE IRRIGATED N.W. Quarter of 17-114-51

TYPE OF IRRIGATION

3. GRAVITY _____ TOWLINE _____ CENTER PIVOT X GUN _____
4. CROPS TO BE IRRIGATED Corn, Alfalfa, Small Grain

WATER QUALITY

5. SAMPLE NUMBER 76-794
6. SALINITY (EC X 10⁶) 76.9 (mod-high)
7. SODIUM (SAR) 0.51 (low)
8. RESIDUAL SODIUM CARBONATE (meq/l.) 0

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 Hamlin 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.

Todd N. Woertink
APPLICANT'S SIGNATURE

SUBSCRIBED AND SWORN BEFORE ME THIS
11 DAY OF 11 19 76.

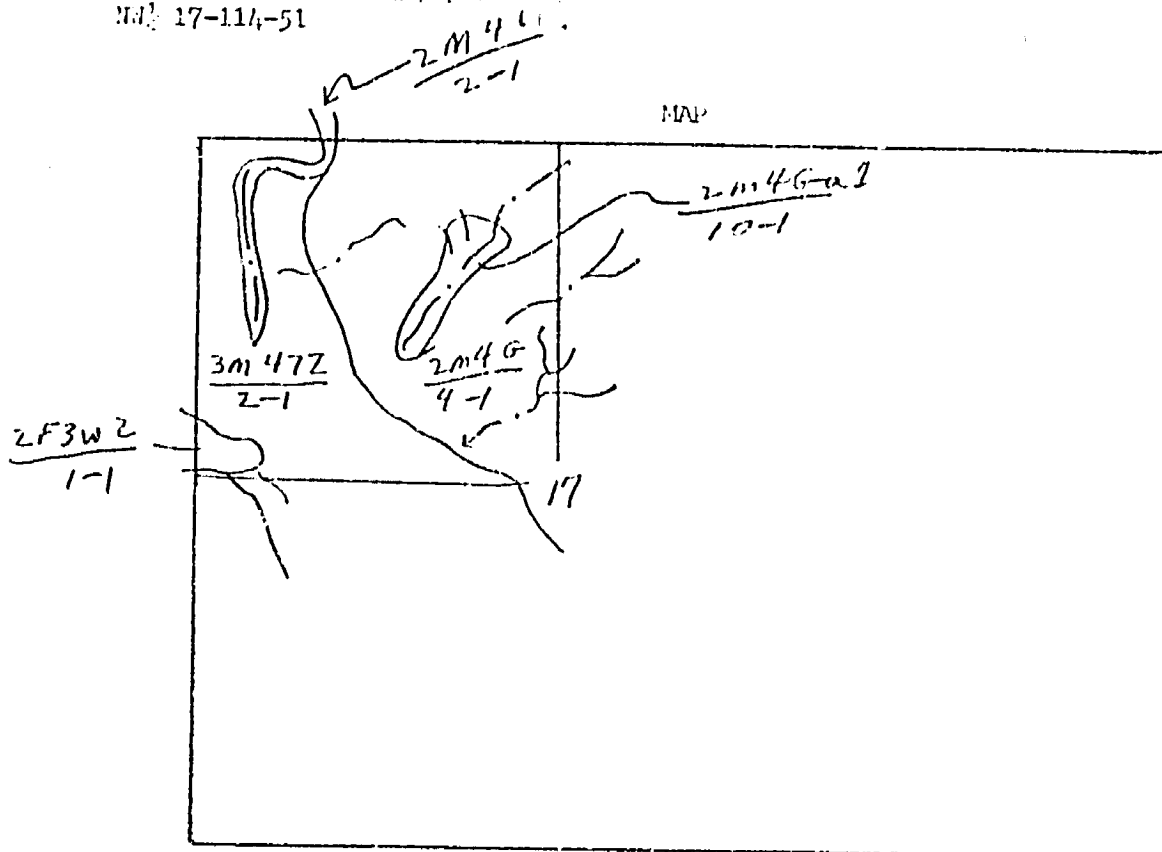
[Signature]
(TITLE OR SEAL)

[Signature]
APPROVED/DTA APPROVED

(SOILS INFORMATION ON REVERSE SIDE)

Todd Hoertink
 MAP 17-114-51

#14-4-20



NARRATIVE

- 2M46 ITe2 Deep, loamy, well drained soils on gently undulating (2 to 6 percent) glacial
 4-1 uplands having moderately permeable loam and clay loam subsoils. They are
 fertile with moderate susceptibility to water erosion and slight wind erosion
 hazard. Barnes Loam, Silty 0.5" intake per hr.
- 2M46a.1 IVe1 Deep, loamy, well drained, loamy soils on rolling (9 to 15%) uplands and erod-
 10-1 ed, undulating (6 to 9%) slopes. They have severe susceptibility to water
 and slight wind erosion hazard or are eroded. They are moderately permeable.
 Runoff limits available moisture. Mechanical and vegetative conservation
 practices necessary to maintain productivity, control soil erosion and con-
 serve moisture. Barnes Loam, Silty 0.5"/hr.
- 3M47Z IIs3 Moderately deep, well drained soils with 20 to 40 inches of loamy material
 2-1 over sand and gravel; on nearly level upland slopes. They are fertile but
 sandy and gravelly subsoils and substrata reduce water storage capacity and
 rooting depth. Slight wind erosion hazard. Fordville Loam, Silty 1.0"/hr.
- 2M4U I-3 Deep, loamy, moderately well drained soils on nearly level upland slopes
 2-1 and swales that receive beneficial moisture from adjacent slopes. They have
 thick, very dark surface layers. They are fertile and have few or no
 limitations for use. Aastad Silt loam, Overflow 0.5"/hr.
- 2F3W2 IVw2 Deep, loamy to clayey, poorly drained soils in depressions and on bottom
 1-1 lands. An intermittent water table, occasional flooding, and salinity cause
 low crop yields and limited choice of crops. Tillage operations are often
 delayed and shorten growing season. Drainage, crop selection, and improve-
 ment of fertility is necessary. Lamoure, Subirrigated 0.5"/hr.

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



Submitted by: Todd Kortink, Castlewood, SD Date Rec'd 7-29-74
 Address: Huron Drilling, Inc. Sample No. 76-224
P.O. Box 1422 Identification 71-211-
Huron, SD 57350

WATER ANALYSIS

Calcium (Ca)	131	ppm*	3.35	me/l**
Magnesium (Mg)	38	ppm	1.12	me/l
Sodium (Na)	26	ppm	1.23	me/l
Potassium (K)	3	ppm	0.05	me/l
Sulfate (SO ₄)	115	ppm	4.39	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	4	ppm	0.10	me/l
Bicarbonate (HCO ₃)	429	ppm	7.01	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)	352	ppm (as CaCO ₃)		
Alkalinity (Phenolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	769	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	0.51			
Sodium	10.38	% of cations		
Residual sodium carbonate	0.00	me/l		
pH	7.60			

*ppm=parts per million

**me/l=millequivalents per liter

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

COMMENTS: Total cations 10.38 me/l
 Total anions 9.53 me/l

By: Donley Mitton

Service Performed	Amount Due
Irrigation analysis	3.00

Make checks payable to: Water Quality Laboratory

Cut along dotted line and return the lower portion with payment

Sample No. 76-224

Amount Enclosed \$ _____

Signed _____

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Hamlin) ss.

I, Jack Norman hereby
certify that the annexed printed copy of Notice of Intent to Appropriate
Water was taken from the Hamlin Co. Republican

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

Dec. 30, 1976

Jan. 6, 1977

Joel L. Damm
(Signature)

Publisher
(Title)

1-6-77
(Date Signed)

PUBLIC NOTICES

**NOTICE
INTENT TO APPROPRIATE
WATER**

Pierre, SD 57501
Dec. 30, 1976

Notice is hereby given that
Todd N. Woertink whose post
office address is Castlewood,
South Dakota, has made an ap-
plication in accordance with
the provisions of the water laws
of South Dakota for a permit to
appropriate for beneficial use
2.0 cubic feet of water per sec-
ond of time from ground water
through the Woertink #1, the
points of diversion of which are
to be located in the SW1/4NW
1/4 of Section 17, Twp. 114N,
Range 51W. Said water to be
used for the purpose of provid-
ing irrigation on portions of the
following described land:

NW 1/4, Section 17, T114N,
R51W

This application No. 2888-3
will be considered by the Water
Rights Commission at their of-
fice at Pierre upon the 26th day
of January, 1977, at 10:00 A.
M. All interested persons may
appear and be heard.

WATER RIGHTS COMMISSION
By Burton F. Jones
Water Rights Specialist
(dec. 30, Jan. 6)



No. 2888-3Publish first publication, on or before January 13, 1977NOTICE
INTENT TO APPROPRIATE WATER

Pierre, South Dakota 57501

December 20, 1976

Notice is hereby given that Todd H. Woertink
whose post office address is Castlewood, 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
2.0 cubic feet of water per second of time from the ground water through the
Woertink # 1, the point of diversion of which is to be located in the _____

SW 1/4 NW 1/4
of Section 17, Twp. 114N, Range 51W. Said water to be used for the purpose
of providing irrigation on portions of the following described land:

NW 1/4, Section 17, T114N, R51W

This application No. 2888-3 will be considered by the Water Rights Commission at their office at
Pierre upon the 26th day of January, 1977, at 10:00 A.M. All interested
persons may appear and be heard.

WATER RIGHTS COMMISSION

By:

BURTON F. JONES
Water Rights Specialist

BFJ/bw

cc: Todd H. Woertink, Castlewood, SD 57223



2888-3

DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

AUG 13 2001

Todd Woertink
46224 184th St
Castlewood SD 57223

Dear Mr. Woertink:

Enclosed are reissued Water License No. 2061A-3 and Water Permit/License No. 6243-3. These are the final water right documents completing your process of obtaining a Water Right.

The applicable portions of 2061A-3, 2888-3 and 3888-3 are incorporated into Water Right No. 6243-3.

For your information SDCL 46-6-27 requires that if the owner of an existing well, such as the well authorized by Water Right No. 6243-3, constructs a replacement well and does not plan to use the old well, the old well is considered abandoned and must be plugged. Also, any well that is being used or is not considered abandoned must be valved and controlled, if flowing, or sealed and capped so that no leaking occurs either underground or at the surface.

As long as you use the water beneficially, as stated in the Water License, the State Water Laws provide that you have a continuing right to use the water. If you have any questions, please contact our office.

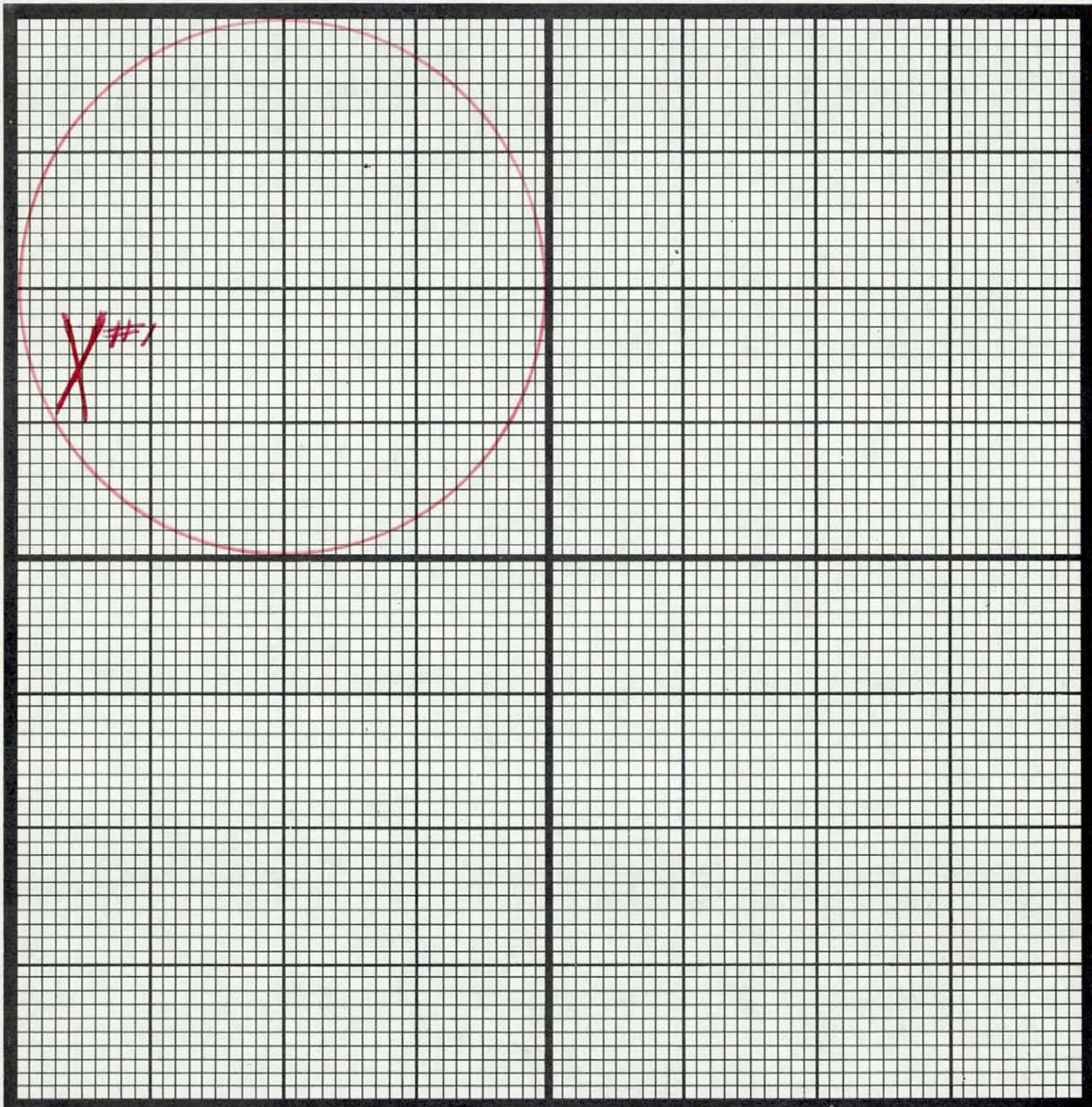
Sincerely,

Garland Erbele, Chief Engineer
Water Rights Program
(605) 773-3352

enclosures

HURON DRILLING INC.
WELL LOCATION MAP

NAME Todd N. Woertink DATE July 11 19 76
WELL NO. 1 N.W. QUARTER, SECTION 17
TWP. 114 RANGE 51 IN Hamlin COUNTY APPL N 28883



X — PROPOSED LOCATION

Prepared By Dick Fadgen
Dick Fadgen
Beadle County Extension Agent