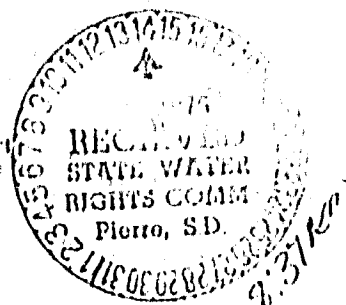


Water Right Number 3162-3

1. Considered 11-17, 19 70
2. Name of Applicant CLAYTON KLOSS
3. Post Office Address TULARE
4. Amount of water claimed 2.00
5. Source of water supply 122' 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 2N 5 1/2 W Miles of HITCHCOCK
8. Proof of Publication
Received 1ST
Not received
9. Application
Approved
Subject to
Not approved
Action deferred
10. Remarks:

Map No. 2503-3 Water Division No. 3 JAMES RIVER District _____
(Blanks to be filled by the Engineer for the W. H. 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 Clayton Kloss SCC 10-24-76
Postoffice address Tulare, State South Dakota 57467
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 Clayton Kloss - Unit #3
4. Amount of water claimed (cubic feet per second) 2.0
5. Source of water supply Ground Water
6. Location of point of diversion A POINT IN THE NE 1/4 IN SECTION 28,
T. 114 N. R. 64 W.
County Spink
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.
NW 1/4 of 28-114-64	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 Daily Plainsman, Huron, So. Dak
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)
) ss.County of Spink)I, Clayton Kloss 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 Clayton KlossSubscribed and sworn to before me this 12 day of October, 1976

Notary Public (or other qualified officer)

Clayton Kloss 10-24-1976

WATER RIGHT APPLICATION APPROVAL

The Water Rights Commission hereby approves Water Right Application No. 3162-3

CLAYTON KLOSS

TULARE

(Post Office Address)

SOUTH DAKOTA 57476

(State)

With the following modifications:

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 OCTOBER 14, 19 76

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

Date of receipt of corrected application OCTOBER 29, 19 76

Approved NOVEMBER 18, 19 76 Recorded in Book 16 Page 233

WATER RIGHT PERMIT NO. 3162-3

The Water Rights Commission hereby grants and issues this Water Right Permit No. 3162-3 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 OCTOBER 14, 19 76
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before MAY 18, 19 79
3. The whole of said _____ is to be completed on or before NOVEMBER 18, 19 81
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is NOVEMBER 18, 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 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 NOVEMBER 18, 19 83; said water to be used during the following described annual period: MARCH - NOVEMBER

Witness my hand this 22ND day of DECEMBER, 19 76

WATER RIGHTS COMMISSION

By:

John H. Hark
Chief Engineer, Executive Officer

Certificate of Construction Issued _____, 19 _____

Water License Issued _____, 19 _____

Form 2A - Wells, Dugouts or Water Storage Dams (Supplement to form 2)

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

*Log will be provided by driller

(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 _____

Depth to top of water bearing material _____

Depth to bottom of water bearing material _____

Thickness of water bearing material _____

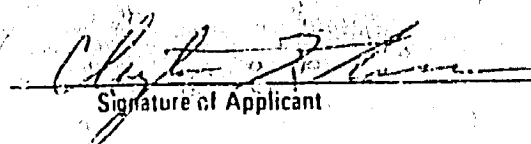
Depth to water (ground surface to water level) _____

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

On same owner's property 240 rds. On property owned by others 160 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.

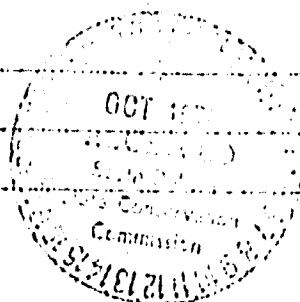

Signature of Applicant

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 Clayton Kloss

ADDRESS Tulare, South Dakota 57467

COUNTY Spink



LEGAL DESCRIPTION

1. WELL LOCATION NE 1/4 of the NW 1/4 of 28-11h-6h

2. LOCATION OF AREA TO BE IRRIGATED NE 1/4 of 28-11h-6h

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 16002

6. SALINITY (EC X 10⁶) 8.92 (mod - h)

7. SODIUM (SAR) 0.79 (h)

8. RESIDUAL SODIUM CARBONATE (mxy/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 Spink 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.

SUBSCRIBED AND SWORN BEFORE ME THIS
13 DAY OF October 19 74.

(TITLE OR SEAL)

(SOILS INFORMATION ON REVERSE SIDE)

APPLICANT'S SIGNATURE

Approval does not imply that this project can be carried out across the State in all circumstances. Individual management will, to a large degree, determine the relative success of the project.

APPROVED/DENIED

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

Submitted by: Mr. J. L. Hagen
 Address: Box 1422
Brookings, S.D. 57350

Date Rec'd: Oct. 28, 1976
 Sample No.: 73-1302
 Identification: Water

WATER ANALYSIS

Calcium (Ca)	104	ppm*	5.20	me/l**
Magnesium (Mg)	42	ppm	2.10	me/l
Sodium (Na)	38	ppm	1.90	me/l
Potassium (K)	4	ppm	0.20	me/l
Sulfate (SO ₄)	217	ppm	10.85	me/l
Nitrate (as N)	12	ppm	0.60	me/l
Chloride (Cl)	363	ppm	18.15	me/l
Bicarbonate (HCO ₃)		ppm		me/l
Carbonate (CO ₃)		ppm		me/l
Iron (Fe)		ppm		me/l
Fluoride (F)		ppm		g.p.g.***
Hardness (EDTA as CaCO ₃)	302	ppm (as CaCO ₃)		
Alkalinity (Methyl Orange)	302	ppm (as CaCO ₃)		
Alkalinity (Phenolphthalein)	242	ppm (as CaCO ₃)		
Electrical Conductivity	1724	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	15.83	% of cations		
Sodium	0.00	me/l		
Residual sodium carbonate	7.82			
pH				
Others:				

*ppm=parts per million
 **me/l=millequivalents per liter

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

COMMENTS: Total cations 10.39 me/l
 Total anions 10.85 me/l

OCT 28 1976

By: Shirley Hatten

Service Performed	Amount Due
Irrigation analysis	\$8.00 PAID
Make check payable to: Water Quality Laboratory	
Cut along dotted line and return the lower portion with payment	
Sample No. <u>73-1302</u>	Amount Enclosed \$
	Signed

October 20, 1976

Mr. Clayton Kloss
Tulare, SD 57467

Dear Mr. Kloss:

Your water sample (Lab. No. 76-1602) 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.

Your water, as indicated by this analysis, is satisfactory for use on the soils you indicate will be irrigated. If a salt problem or a water table problem should develop, contact extension personnel for assistance.

The WI-1, soils information, and a copy of the water analysis are being forwarded to the State Conservation Commission for their action.

Sincerely yours,

L. O. Fine

L. O. Fine
Water Quality Lab

LOF:ckb
Enclosures
cc: State Conservation Commission

No. 3162-3

Publish first publication, on or before

November 9, 1976

NOTICE OF INTENT TO APPROPRIATE WATER

Pierre, South Dakota 57501

November 1, 1976

Notice is hereby given that Clayton Kloss

whose post office address is Tulare, 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~~ XXX ground water through the

Clayton Kloss #13, the point of diversion of which is to

be located in the NE $\frac{1}{4}$ NW $\frac{1}{4}$

of Section 28, Twp. 114N, Range 64W. Said water to be used for the purpose of providing irrigation on the following described land:

NW $\frac{1}{4}$, Section 28, T114N, R 64W

This application No. 3162-3 will be considered by the Water Rights Commission at the Marvin Hughitt Hotel in Huron, South Dakota

upon the 17th day of November, 1976 at 10:00 A.M. All interested persons may appear and be heard.

WATER RIGHTS COMMISSION

By:

BURTON F. JONES, Water Rights Specialist

BFI/bw

cc: Clayton Kloss, Tulare, SD 57476

No. 3162-3

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
) ss.
County Beadle)

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:

November 8, 1976

November 15, 1976

Dorothy Murphy
(Signature)

Bookkeeper
(Title)

November 15, 1976
(Date Signed)

F.P. 11 1576 L.P. 11 1576
NOTICE OF INTENT
TO APPROPRIATE WATER
Pierre, South Dakota 57501
November 1, 1976
Notice is hereby given that
Clayton Kloss whose post office
address is Tulare, 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 ground water through the
Clayton Kloss No. 3, the point of
diversion of which is to be located in
the NE 1/4 NW 1/4 of Section 28, Twp.
114N, Range 64W. Said water to be
used for the purpose of providing
irrigation on portions of the
following described land: NW 1/4,
Section 28, T114N, R 64W.
This application No. 3162-3 will be
considered by the Water Rights
Commission at the Marvin Hughitt
Hotel in Huron, South Dakota upon
the 17th day of November, 1976 at
10:00 A.M. All interested persons
may appear and be heard.
WATER RIGHTS COMMISSION
By: Burton F. Jones
Water Rights Specialist
No. 666 (adv.)

State of South Dakota
Water License No. 3162A-3

(1) Clayton Kloss
of RR #1, Box 9, Tulare, South Dakota
made Application No. 3162A-3, February 14, 1985 for a water permit to appropriate
no add'l cubic feet per second of water from groundwater (one well),
Spink County, South Dakota for irrigation purposes.
Permit No. 3162A-3, with a priority date of October 14, 1976
was approved May 15, 1985 and issued to applicant(s) for diversion of water with construction of the described
water supply system ~~to be completed on or before~~ _____ and for the application to beneficial use of said
water ~~on or before~~ completed _____.

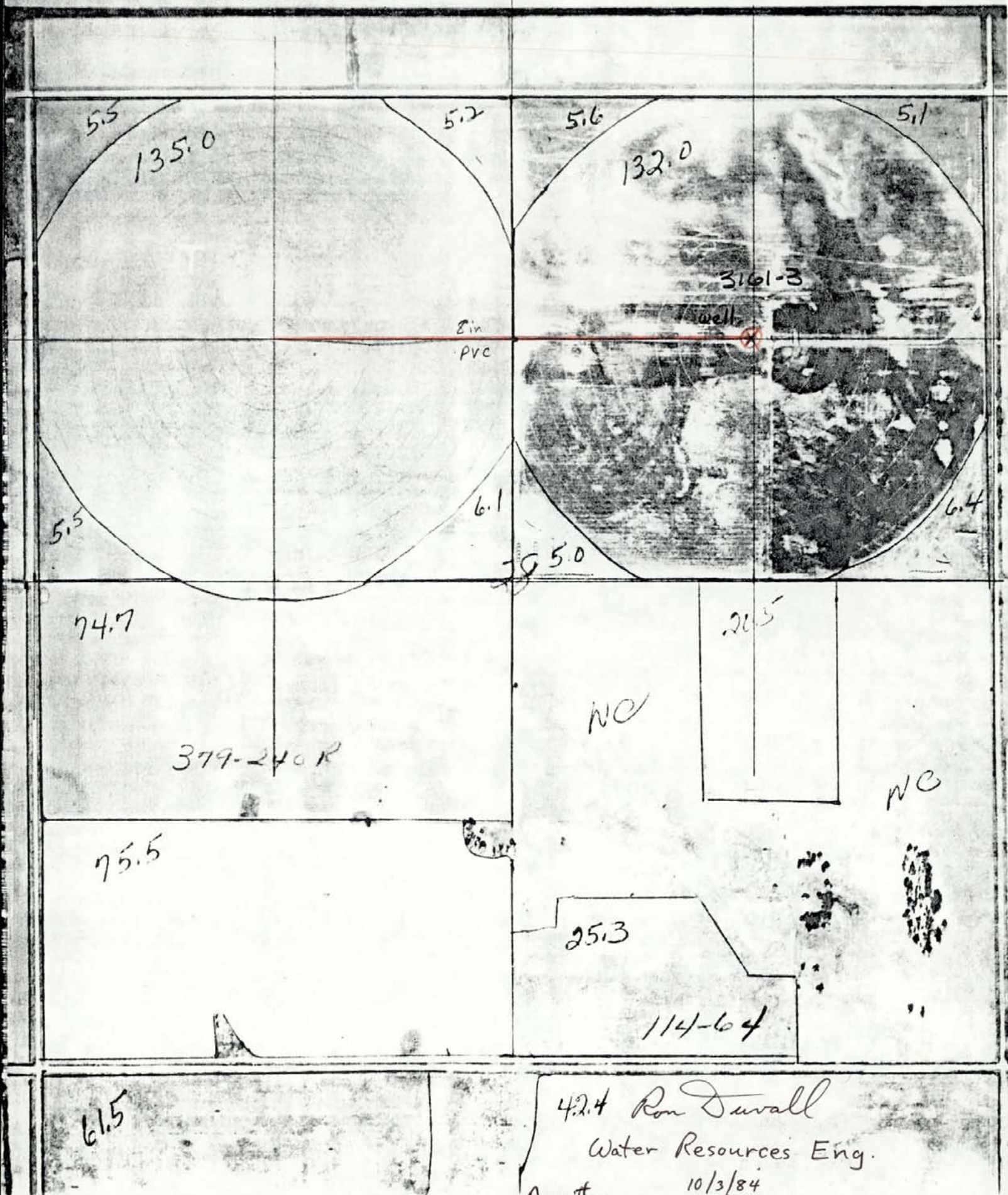
Water Permit No. 3162A-3 was approved to amend Water Permit No. (3162-3) by
relocating the diversion point. The same source of water is used for Water
Right No. 3161-3, Permit No. 3162-3 and 3162A-3. The applicable portions
of Water Right No. 3161-3 and 3162-3 have been incorporated into this Water
License No. 3162A03. An October 14, 1976 priority date will be retained.

and

(2) It is certified that the application 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 2.00 cubic feet per second of water
for beneficial use. The location of the diversion point(s) is the center of the NE $\frac{1}{4}$ of Section 28,
T114N, R64W

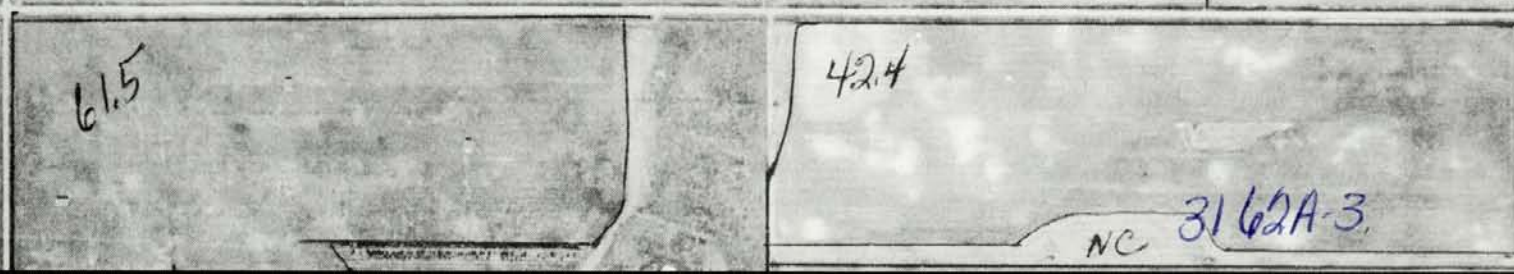
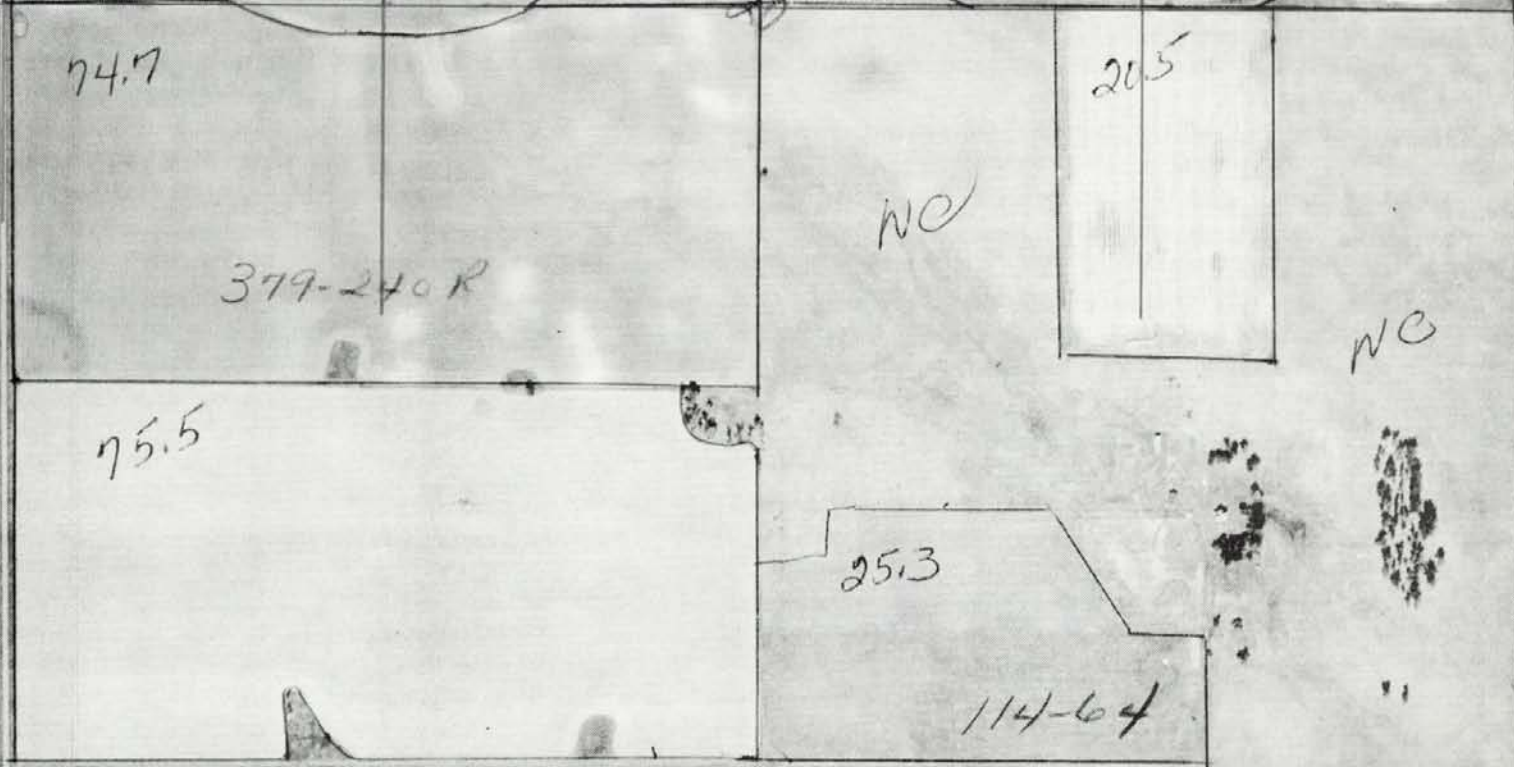
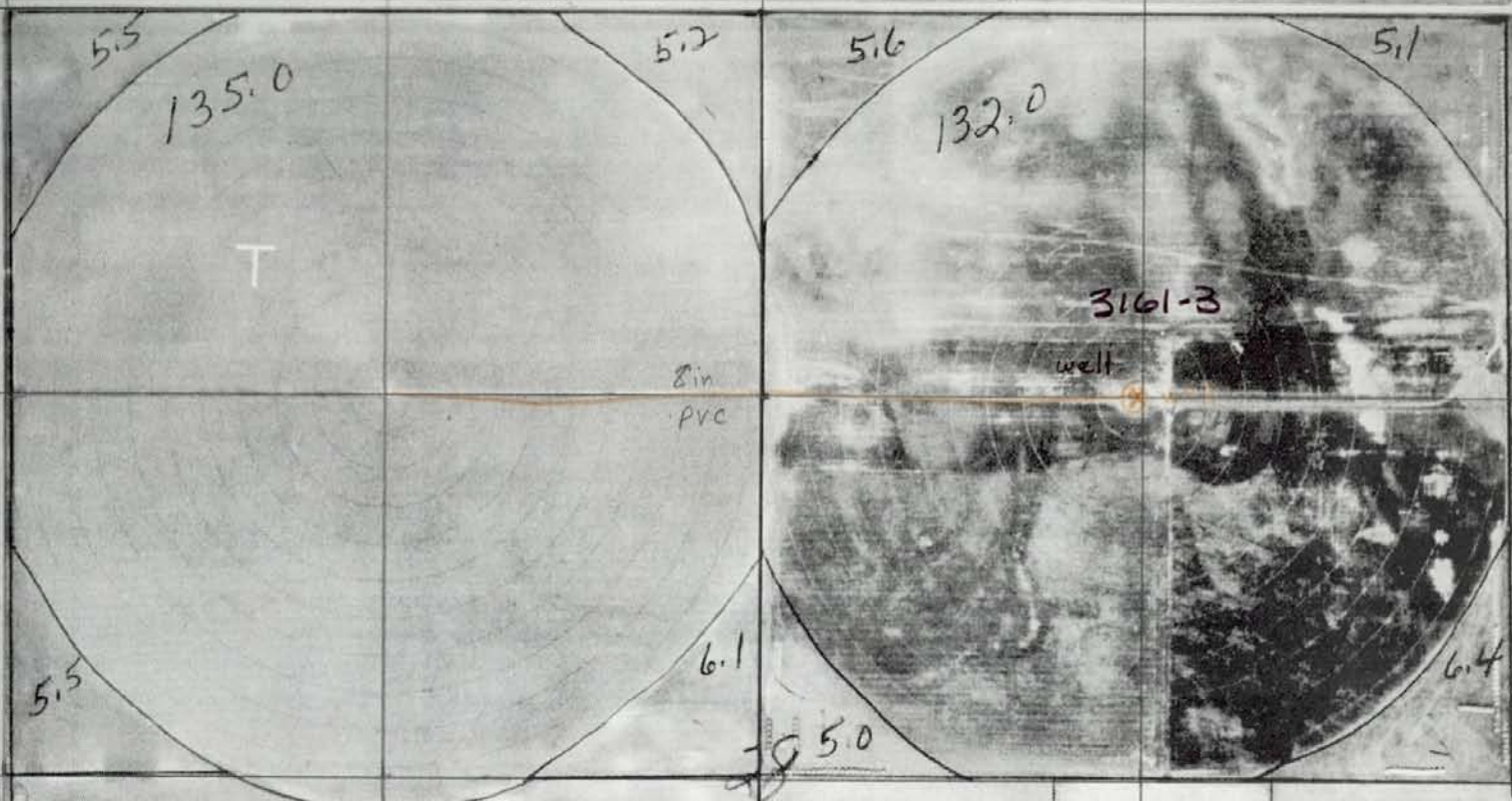
NOT TO SCALE

3162-3
3163-3



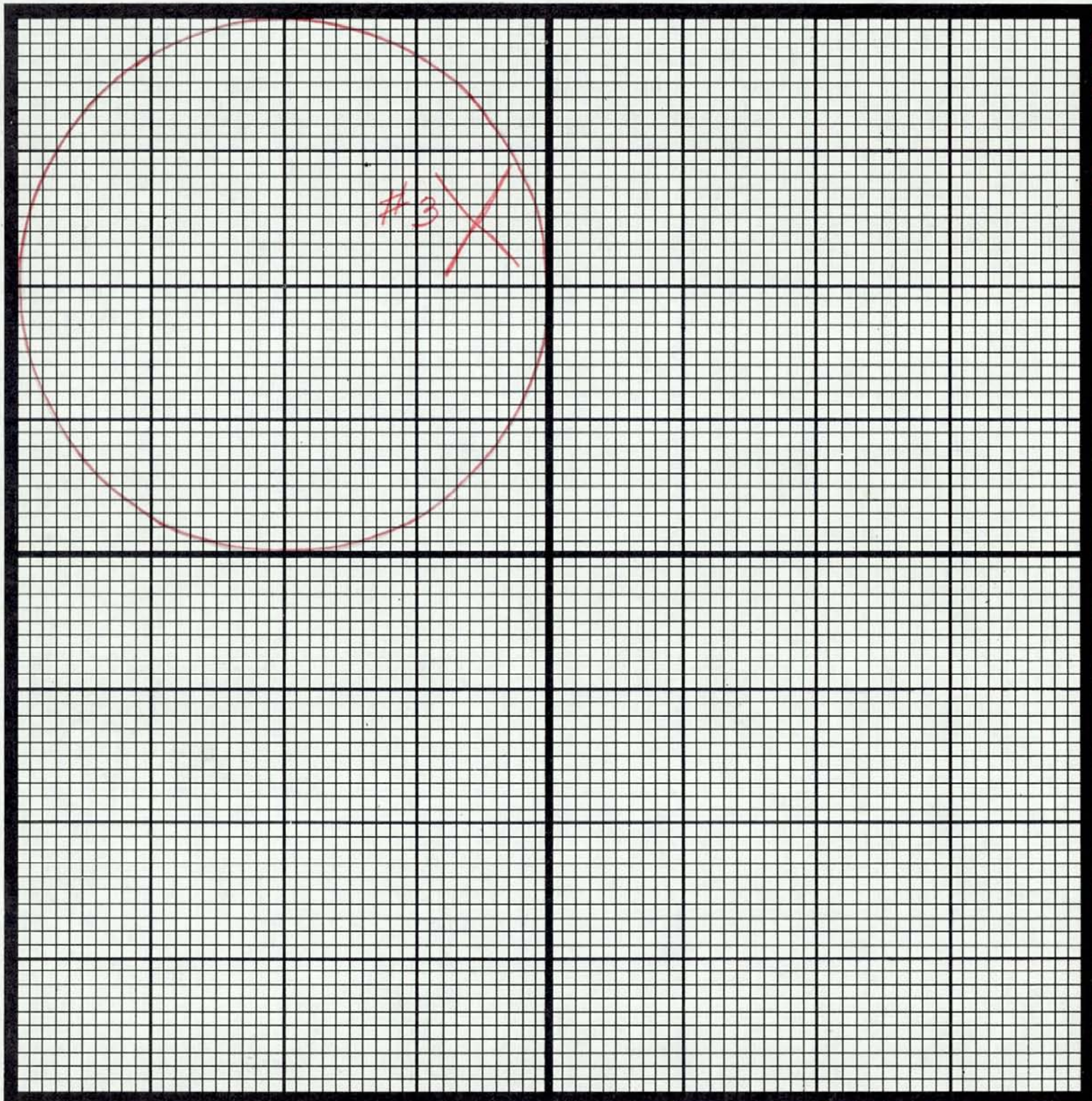
NOT TO SCALE

3162-3
3163-3



HURON DRILLING INC.
WELL LOCATION MAP

NAME Clayton Kloss DATE October 13 19 76
WELL NO. #3 NE QUARTER, SECTION 28
TWP. 114 RANGE 64 IN Spink COUNTY



X — PROPOSED LOCATION

Prepared By Dick Fadgen
Dick Fadgen
Beadle County Extension Agent

APR 11 1976
APR 11 1976
APR 11 1976