

1. Considered 1-22, 19 76 2480-3
2. Name of Applicant DALMER F LLY
3. Post Office Address CAVOUR
4. Amount of water claimed 4.0
5. Source of water supply GROUND WATER (80' DEEP WELL)
6. Water to be used for IRRIGATION
- Acres to be irrigated 350
7. Water to be diverted and used in BEADLE county
about 5W, 6S miles of CAVOUR
8. Proof of Publication Received 1-5-76
 Not Received
9. Application Approved
 Subject to
 Not Approved
 Action deferred

10. Remarks:

No. 24550-35Map No. 1855-3 Water Division No. 3 JAMES RIVER
(Blanks to be filled by the Engineer for the W. R. C.)

APPLICATION FOR PERMIT

OCT 15 1975

STATE WATER RIGHTS

To appropriate Water within the State of South Dakota

(NOTE - Draw a line through items not applicable)

1. Name of Applicant Dalmer Polly
Postoffice address Cavour, State South Dakota 57324
If a corporation show date and place of incorporation _____
2. Method of accomplishing work (contract, employment of others, or by direct labor) Contract & direct labor
3. Name of diversion work DALMER POLLY #1
4. Amount of water claimed (cubic feet per second) 4.00
5. Source of water supply Ground water (well)
6. Location of point of diversion Mid point of SW $\frac{1}{4}$ of 35, 110N-61W & NW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 26, 110N, R61W
County Beadle
7. Annual period or periods during which water is to be used April through October
8. Use to be made of water. (irrigation, industrial, municipal, commercial, recreation, etc.) Irrigation
9. For irrigation use, Total number of acres to be irrigated 262 350

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.
NE $\frac{1}{4}$ of SW $\frac{1}{4}$ 35, 110-61	40 35	SW $\frac{1}{4}$ SECTION 26, 110N, R61W	140
SE $\frac{1}{4}$ of SW $\frac{1}{4}$ 35, 110-61	40 35	S $\frac{1}{2}$ NW $\frac{1}{4}$ " "	70
SW $\frac{1}{4}$ of SW $\frac{1}{4}$ 35, 110-61	40 55		
NW $\frac{1}{4}$ of SW $\frac{1}{4}$ 35, 110-61	40 35		

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 Appropriately Water publication Daily Plainsman
12. Principal Features of the Proposed Water Supply System.

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

Bowl pump--electric

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 Beadle)I, Dalmer Polly 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 constructionSigned Dalmer PollySubscribed and sworn to before me this 20 day of 11 1975

Notary Public (or other qualified officer)

WATER RIGHT APPLICATION APPROVAL

The Water Rights Commission hereby approves Water Right Application No. 2480.3

DALMER POLLY

(Applicant)

CANOUR

(Post Office Address)

SOUTH DAKOTA 57324

(State)

With the following modifications:

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

Date of first receipt of application SEPTEMBER 12, 1975

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

Date of receipt of corrected application DECEMBER 16, 1975

Approved JANUARY 23, 1976, Recorded in Book 14 Page 236

WATER RIGHT PERMIT NO. 2480.3

The Water Rights Commission hereby grants and issues this Water Right Permit No. 2480.3 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 DECEMBER 16, 1975
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before JULY 23, 1978
3. The whole of said work is to be completed on or before JANUARY 23, 1981
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is JANUARY 23, 1983
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 4.0 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 23, 1983; said water to be used during the following described annual period: MAY - SEPTEMBER

Witness my hand this 30TH day of JANUARY, 1976

WATER RIGHTS COMMISSION

By:

J. R. 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 Log furnished by driller

(1) Drill Hole, Diameter _____, Depth 80'

(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

(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 _____

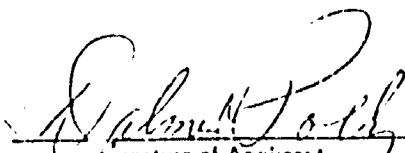
Depth to water (ground surface to water level) _____

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

On same owner's property 80 rds. On property owned by others 100 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

October 2, 1975



Mr. Dalmer Polly
Cavour, SD 57324

Dear Mr. Polly:

I am returning herewith the original copy of the report of analysis of the water sample #75-860 received here September 11. This is your copy to keep.

This water is moderately high in salt but fairly low in sodium. With the soils which you have in the area you intend to irrigate, there should be no problem except on the strip of Dudley-Stickney soil extending down through the quarter from north to the southeast. This strip of soils, as you are aware, is largely underlain by a claypan subsoil and will have poor infiltration rates after the surface 4 to 10 inch layer is saturated. Thus, you will have water running off this and you will generally have much poorer crop performance on this soil area than on other areas in the quarter. However, with low application rates you may be able to get satisfactory results with this soil. There are, however, small areas of claypan in the Prosper-Houdek soil in the west part of the quarter and in the northeastern part. These soils will react much the same as the Dudley-Stickney soils, in most respects.

The water quality, then, presents no particular hazard except that if the water table rises in certain areas, both the salts in the water and the salts that are naturally in the soil will begin to come to the surface and may interfere with the crop performance. Under such circumstances, you should reduce your number of applications of water each year, but not reduce the total amount of water that you apply in any one irrigation.

The application materials which are on hand here now, including the WI-1 form and the soils information, are being sent to the State Conservation Commission, along with a copy of the water analysis.

Sincerely yours,

L. O. Fine

L. O. Fine
Water Quality Lab

LOV:ckb
Enclosures
cc: State Conservation Commission
D. Pahl
Dick Fadgen, County Extension Agent

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

Submitted by: Dalmer Holly (Pearl P. Holly) Date Rec'd September 11, 1975
 Address Cavour, SD 57324 Sample No. 75-860
 Identification Well-80
ST-1, Sec. 35, T 110N, R 61W

WATER ANALYSIS

Calcium (Ca)	120	ppm*	6.00	me/l**
Magnesium (Mg)	38	ppm	3.12	me/l
Sodium (Na)	63	ppm	2.74	me/l
Potassium (K)	8	ppm	0.20	me/l
Sulfate (SO ₄)	165	ppm	3.43	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	49	ppm	1.37	me/l
Bicarbonate (HCO ₃)	386	ppm	6.32	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)	316	ppm (as CaCO ₃)		
Alkalinity (Penolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	1049	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	1.28			
Sodium	22.71	% of cations		
Residual sodium carbonate	0.00	me/l		
pH	7.70			
Others:				

*ppm=parts per million

**me/l=milliequivalents per liter

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

COMMENTS: Total cations 12.06 me/l
 Total anions 11.12 me/l

By: Shirley Kitten

Service Performed

Amount Due

Irrigation analysis

\$6.00 PAID

Make checks payable to: Water Quality Laboratory

Cut along dotted line and return the lower portion with payment

Sample No. 75-860

Amount Enclosed \$

Signed

2 -- Dalmer Polly

101A Prosper-Houdek loams, 0 to 2 percent slopes

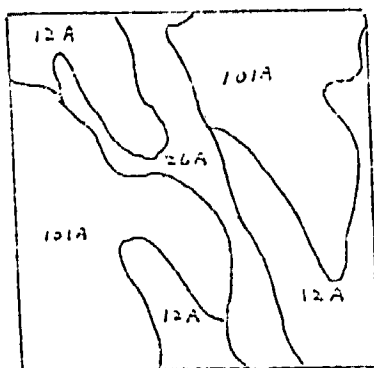
This unit consists of deep well and moderately well drained loamy soils with calcareous substrata. Depth to the calcareous clay loam substrata ranges from 18 to 30 inches. Permeability is moderately slow.

102B Houdek-Prosper loams, 2 to 6 percent slopes

This unit is similar to the 101A mapping unit described above. It differs primarily in the degree of slope.

Soil Conservation Service - Beadle County

SOILS MAP



SW $\frac{1}{4}$ 35, T.110 N., R. 61 W.

SOILS LEGEND

- 101A** Prosper-Houdek loams, 0 to 2 percent slopes
- This unit consists of deep, well and moderately well drained loamy soils with calcareous substrata. The subsoils contain 30-35% clay. Depth of the calcareous clay loam substratum ranges from 18 to 30 inches. Permeability is moderately slow. Included within these areas are small enclosed depressions and small areas of soil with claypan subsoils which contain salts. Drainage or fill of these included areas may become desirable to prevent ponding and excessive wetness.
- 12A** Enet loam, 0 to 2 percent slopes
- The Enet are moderately deep, well drained, fine loamy soils formed in loamy alluvial materials overlying sand and gravel. They have loam surface layers about 8 inches thick and moderately permeable subsoils of loam and clay loam underlain by sand and gravel between 20 and 36 inch depths.
- 26A** Dudley-Stickney silt loam, 0 to 3 percent slopes
- This unit consists of moderately well drained soils with 4 to 10 inches of friable loamy surfacess over dense claypan subsoils. Very slow permeability and salts in the subsoil make these soils generally unsuited for irrigations.

Dalmer Polly unit

Soil Conservation Service
Beadle County

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

FOR COMMISSION USE

Irrigation System: _____

Water Quality: _____

Soils Capability: _____

Approved: [Signature]

Disapproved: _____

NAME: Dalmer Poliy

ADDRESS: Cavour, South Dakota 57324

COUNTY: Beadle

LEGAL DESCRIPTION

1. WELL LOCATION: SW $\frac{1}{4}$ 35, 110N-61W (About middle of $\frac{1}{4}$)

2. AREA TO BE IRRIGATED: SW $\frac{1}{4}$ 35, 110N-61W

TYPE OF IRRIGATION

3. GRAVITY _____ SPRINKLER (Indicate Type): Pivot

4. CROPS TO BE IRRIGATED: Alfalfa and corn

LAND CAPABILITY FOR IRRIGATION

5. PERCENTAGE OF SLOPE: Attached sheet

6. PHYSICAL SOILS CLASSIFICATION FOR IRRIGATION: _____

WATER QUALITY (To Be Completed by Commission)

7. SAMPLE NO: Attached analysis 75-860

8. SALINITY: EC = 10.44 μ mhos/cm (moderately High)

9. SODIUM: SAR = 1.28 (Low)

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

the land capability for irrigation information has been acquired from

SDS Soil Scientist

and:

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

Albert Gally

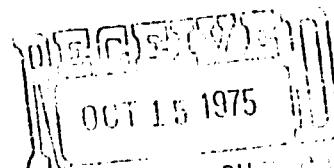
Subscribed and sworn before me this

10th day of October, 1975.

[Signature]

[Signature]

(Title)



Conservation
Commission
Form W1 21

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

FOR COMMISSION USE OF

Irrigation System: _____

Water Quality: _____

Soils Capability: _____

Approved: *[Signature]*

Disapproved: _____

NAME: Dward D. Pelly

ADDRESS: Cavour, S. D. 57324

COUNTY: Beadle

LEGAL DESCRIPTION

1. WELL LOCATION: Middle of the SW $\frac{1}{4}$ of Section 35, and the north $\frac{1}{2}$ of SW $\frac{1}{4}$ of Section 26-110N-61W. (See plat 47-200)
2. AREA TO BE IRRIGATED: Section 35-110N-61W

TYPE OF IRRIGATION

3. GRAVITY SPRINKLER (Indicate Type): Sprinkler
4. CROPS TO BE IRRIGATED: Alfalfa, corn

LAND CAPABILITY FOR IRRIGATION

5. PERCENTAGE OF SLOPE: See attached sheet
6. PHYSICAL SOILS CLASSIFICATION FOR IRRIGATION: _____

WATER QUALITY (TO BE COMPLETED BY COMMISSION)

7. SAMPLE NO.: _____
8. SALINITY: _____
9. HARDNESS: _____

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

the land capability for irrigation information has been acquired from

Soil
SCS Scientist

and:

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

Russell D. Kelly

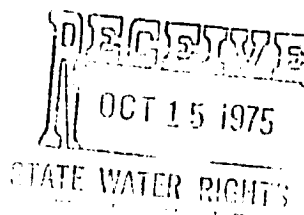
Subscribed and sworn before me this

20th day of April 1975.

Marion E. Bauer

Notary Public

(Title)



2480-3

Publish first publication, on or before January 8, 1976

NOTICE
INTENT TO APPROPRIATE WATER

Pierre, South Dakota 57501

December 17, 1976

Notice is hereby given that Dalmer Polly
whose post office address is Cavour, 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
4.0 cubic feet of water per second of time from the ground water through the
Polly No. 1, the point of diversion of which is to be located in the

Center of the SW $\frac{1}{4}$, Section 35, and in the NW $\frac{1}{4}$, SW $\frac{1}{4}$

of Section 26, Twp. 110N, Range 61W. Said water to be used for the purpose
of providing irrigation on ^{portions of} the following described land:

SW $\frac{1}{4}$, Section 26, SW $\frac{1}{4}$, Section 35, T110N, R61W

This application No. 2480-3 will be considered by the Water Rights Commission at their office at
Pierre upon the 22nd day of January, 1976, at 2:30 P. M. All interested
persons may appear and be heard.

WATER RIGHTS COMMISSION

By:

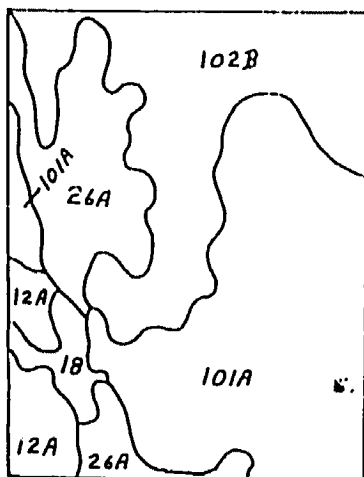
BURTON F. JONES
Water Rights Specialist

BFJ/bw

cc: Dalmer Polly

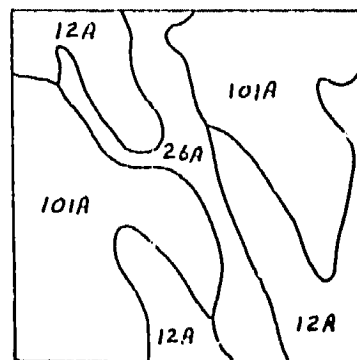
SOILS MAP

Dalmer Polly unit



SW $\frac{1}{4}$ & S $\frac{1}{2}$ NW $\frac{1}{4}$ 26, T. 110 N.,
R. 61 W.

Scale - 4" = 1 mile



SW $\frac{1}{4}$ 35, T. 110 N., R. 61 W.

W - wet spots

SOILS DESCRIPTION

12A Enet loam, 0 to 2 percent slopes

These are well drained soils with 20 to 40 inches of loam over sand and gravel. Permeability is moderate in the loamy upper part and rapid in the sands and gravels. Slopes are long and smooth. Clay loam glacial till is at depths below 40 inches in places.

18 Tetonka-Hoven silt loams

This unit consists of poorly drained soils in enclosed depressions. Permeability is very slow and surface drainage is lacking.

26A Dudley-Stickney silt loams, 0 to 3 percent slopes

This unit consists of moderately well to somewhat poorly drained soils with 4 to 10 inches of silt loam surface layers over dense compact subsoils. Permeability through the subsoil is very slow. Salts are present in the lower part of the subsoils.

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

No. 2480-3

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 Plaineman

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
dates:

December 24, 1975

December 31, 1975

Dorothy Murphy
(Signature)

Bookkeeper
(Title)

12-31-75
(Date Signed)

F.P. 12-24-75 L.P. 12-31-75
NOTICE INTENT TO
APPROPRIATE WATER
Pierre, South Dakota 57501
December 17, 1975
Notice is hereby given that
Dalmer G. Goll, whose post office
address is Cayuse, 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 4.0 cubic feet of water per second
of time from the ground water
through the Polly No. 1, the point of
diversion of which is to be located in
the center of the SW1/4, Section 35,
and in the NW1/4 SW1/4 of Section 26,
Twp. 110N, Range 61W. Said water
to be used for the purpose of
providing irrigation on portions of
the following described land: SW1/4
NW1/4, SW1/4, Section 26, T110N,
Section 35, T110N, R61W.
This application No. 2480-3 will be
considered by the Water Rights
Commission at their office at Pierre
upon the 27th day of January, 1976,
at 2:30 P.M. All interested persons
may appear and be heard.
WATER RIGHTS COMMISSION
By: BURTON F. JONES
Water Rights Specialist
No. 658 (adv.)

Ch. 111. May 10, 1900

2480-3 Palmer Ridge

11-2-76 SW 4-26- Well up to 70 ft. 1460 22 ft

Pumping 700 gpm. Capacity 1000 gpm

SW 35 Well up to 43 ft. 1460 22 ft

Pumping 700 gpm. Capacity 1000 gpm

Form 10.

No. 2480-3



DEPARTMENT OF NATURAL RESOURCES WORKS AND/OR APPLICATION OF WATER TO BENEFICIAL USE

DIVISION OF WATER RIGHTS
JOE FOSS BUILDING
PIERRE, SOUTH DAKOTA 57501

Post Office Pierre SD

Date July 3 - 1976

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

Dear Sirs:

This is to inform you that I have completed the construction of the water diversion system and/or that I have put the water to beneficial use to the maximum extent it is going to be used, not exceeding the amounts as specified in Water Right Permit No. 2480-3.

Water Right Permit No. 2480-3 states that the diversion system is to be constructed by January 33, 1981 and that the water is to be put to beneficial use by January 33, 1983.

The diversion system was completed on June 10, 1976. Applying the water to beneficial use was completed on June 11, 1976.

You may schedule an inspection so that the Certificate of Construction and/or the Water License may be issued, thus completing my acquisition of a water right.

Robert Polly
(Signature)

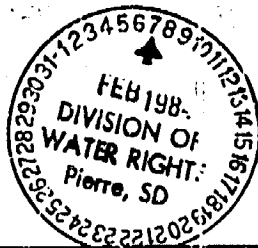
~~2480-3~~ 2480-3 7-28-80

DALMER POLLY WAS IN
AND HAS SYSTEMS READY
FOR INSPECTION

BEADLE CO.

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

FOR COMMISSION USE OF
Irrigation System: _____
Water Quality: _____
Soils Capability: _____
Approved: [Signature]
Disapproved: _____



NAME: Duward D. Polly 0453-BD
ADDRESS: Cavour, S. D. 57324
COUNTY: Beadle

LEGAL DESCRIPTION

1. WELL LOCATION: Middle of the SW $\frac{1}{4}$ of Section 35, and the north $\frac{1}{2}$ of SW $\frac{1}{4}$ of Section 26-110N-61W.
2. AREA TO BE IRRIGATED: ~~Section 35-110-61~~ SW $\frac{1}{4}$ and S $\frac{1}{2}$ NW $\frac{1}{4}$ of Sec 26, T110-R6
Sec. 35-110-61 corrected to legal soils map description - see next page of soils
of 2-7-84 WS 1/18/80

TYPE OF IRRIGATION

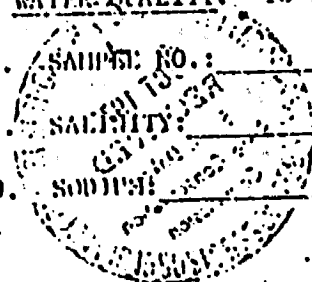
3. GRAVITY SPRINKLER (Indicate Type): Sprinkler
4. CROPS TO BE IRRIGATED: Alfalfa, corn

LAND CAPABILITY FOR IRRIGATION

5. PERCENTAGE OF SLOPE: See attached sheet
6. PHYSICAL SOILS CLASSIFICATION FOR IRRIGATION: _____

WATER QUALITY. (TO BE COMPLETED BY COMMISSION)

7. SAMPLE NO.: _____
8. SALINITY: _____
9. SODIUM: _____





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

WATER RIGHTS DIVISION
(605) 773-3352

2830-3A
~~2480-3~~
4589-3

March 26, 1987

Dalmer Polly
Rural Route 2, Box 114
Cavour, South Dakota 57324

Dear Mr. Polly:

The inspection of your water use systems and inspection of the extent of the application of water to beneficial use, as developed under your Water Right Nos. 2830-3A, 2480-3 and 4589-3 has been completed. Your final water right document, the Water License, can now be issued.

Statutes require that we charge a \$50.00 fee for the inspection and issuing of the Water License. Upon receipt of the \$50.00 fee from you for each license, total of \$150.00 for the three, your Water License will be sent to you.

South Dakota Water Law 46-5-30.1 requires that a permit holder may not divert water until this \$50.00 license fee has been paid. Please contact us if you have any questions.

Sincerely,

Maxine Stirling
Secretary

ms/

NOTE: On check or money order, please indicate the number of the water permit. This insures proper handling of the fee.

Mr. Polly the Water Permit No. 4589-3 is for Mrs. Wendell Sprang.

Water Rights Division - DWNR
Conversation or File Documentation

File No. 2480-3

NAME OF ~~PERSON~~ FILE: Galmer Polly

ADDRESS: _____ COUNTY _____

DATE: June 3, 1987 TELEPHONE _____

RE: Soil/Water Compatibility Approval

COMMENTS:

In checking comparing WI-1 forms and the inspection sheet in Water Permit No. 2480-3, it was discovered that the WI-1 forms do not list the lands in Section 26, as being irrigated, they only have the lands in Section 35. Both wells are covered. I contacted Conservation, they indicated the legal description on the soils map does cover all lands irrigated. Therefore, additional soil/water approval is not needed.

Conclusion: Soil/water approval is sufficient for all lands being irrigated from both of the wells. Permit can be licensed.

File in Permit or other file as necessary. Use to document conversations and what the other party was told; why action or decision was made.

NAME: Senny Mamath

HURON DRILLING INC. DRILLER'S LOG

PAGE NO.

Driller Polly
 HW-26-110-61, Beadle Co.
 LOCATION
 1-12-77
 DATE
 14
 RIG NO
 Russell
 Rasmussen
 FOREMAN

DEPTH	TIME	REMARKS
0-10	21:19	Topsoil, yellow clay and rocks
10-20	3:30	Rocks, yellow clay and yellow gravel, 16-20 yellow gravel
20-30	4:00	20-28 Yellow gravel and dark sand streaks, 28-30 gray clay, blue clay
30-40	4:45	30-36 Blue clay and coarse sand, 36-38 coarse sand,
		38-39 blue clay and sand
40-50	5:15	39-50 Coal, gravel and fine sand, water loss
50-60	6:00	50-54 Coal streak, coarse sand and gravel, water loss
60-67		60-66 Coarse sand and gravel, 66-67 blue clay
	TD 68'	
		30 Feet Stainless Steel Screen 100 Slot
		1-20 Ft. Screen
		1-10 Ft. Screen
		38 Feet Plastic blank
		1-20 Ft. blank
		1-18 Ft. blank
		2 Loads of Pea Gravel (Huron Drilling)
		2 Days 1-12-77 1-14-77

130

WELL REPORT

HURON
 DRILLING CO.
 Huron, S. D.

Driller Polly

HW-26-110-61 Beadle county January 14, 1977

OWNER

DESCRIPTION

DATE

CASING LOG

Depth 66 ft.
 Flows 30 ft. 15" Plastic pipe to 38 ft.
 Pumps 30 ft. 16" Stainless Steel Screen 100 Slot pipe to 66 ft.
 Head ft. pipe to ft.
 30'-16" Stainless Steel Screen ft. pipe to ft.
 ft. pipe to ft.

REMARKS

2 Days
 Drilling Time 1-20' Length 16" Stainless Steel Screen-100 Slot

Rig No. 14 1-10' Length 16" Stainless Steel Screen-100 Slot

Russell Rasmussen

Foreman

VICTORY DRILLING INC. 8711000000000000

PAGE NO.

JOB NAME		S.E. & S.W. 15-110-61		S.W. & N.W. 26-110-61		DATE		RIG NO.		FOREMAN	
Daher Polly		S.E. & S.W. 15-110-61		S.W. & N.W. 26-110-61		8-28-75				V. Loyd Peterson J.	
JOB NAME		LOCATION		DATE		RIG NO.		FOREMAN			
DEPTH		TIME		Test Hole # 1		REMARKS					
1	20			0-8 Sand Yellow Clay (1/8)							
2	40			10-20 Rock							
3	60			25-35 Sand & Gravel						S.E. & S.W. 15-110-61	
4	80			35 Blue Clay						Beadle County	
5	95			40-60 BB size gravel good stuff							
				60-80 BB size gravel good stuff							
				80-85 BB size gravel good stuff							
				85-95 Shale							
				Test Hole # 2 Cased Up							
1	20			Yellow Clay						*2	
2	40			15 Blue Clay Rock @ 15 Small							
3	60			35-40 Gravel Good							
4	80			40-60 Gravel		Time-1 day					
				60-75 Gravel		2 Slotted Plastic				S.W. & N.W. 26-110-61	
				75-80 Shale		2 Blank Plastic				Beadle County	
				Water Head 15 ft. Pumped 2.0 GPM							
				2000# Conc. sand							
				Test Hole # 3							
1	20			0-20 Sand Some Yellow Clay						*4	
2	40			20-40 Sand-dark real fine							
3	60			40-60 Coarser than above							
4	80			60-75 Coarser than above						*3	
				75-80 Shale							
				Test Hole # 4							
1	20			0-12 Sand Yellow							
2	40			Rock @ 12							
3	60			12-20 Sand Yellow							
4	80			20-30 Sand Yellow							
5	92			30-31 Gravel streak							
				31-40 Dark Sand							
				40-60 Sand w/ some gravel streaks							
				60-80 Good Gravel							
				80-82 Shale							

Polly
Steve Stevenson → operator
LICENSE FOR PERMIT NUMBER 2480-3 (W $\frac{1}{2}$ of Sec. 26)

2-24-87
JLV

1. Legal location of wells: SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 26 110-61

dams & structures: _____

2. Well Information: Well Drilling Firm Huron Drilling Inc

No. of wells 1 Depth 78'

Casing a) diameter _____ Screen a) type St. Steel

b) length _____ b) length _____

c) type Plastic Static Water Level _____

Pump a) make Byram Jackson Motor a) make GE Motor

b) model Ser. # 771P7107 b) model no. 5K6254XN501A

c) size _____ c) horsepower rating 60

d) capacity 750 GPM d) motor efficiency rating _____

e) turbine pump
no. of stages _____

3. Distribution lines:

a) size of lines 8"

b) type PVC

c) length 150' + 1320' = 1470'

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:

1) size _____

2) type _____

3) length _____

i) Outlet tubes:

1) diameter _____

2) type _____

3) valued (Y/N) _____

4) valve type _____

5) location on structure _____

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

Model 307 1) make Zimmerman
Ser. # 214595 2) number of towers 7
3) distance between towers _____

Toes
Pivot

4) overall length _____
5) End gun (Y/N) _____
6) high or low pressure _____
7) make & size of nozzles _____

8) PSI reading while system is running 45

9) GPM 750

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:

Polly

2-24-87

LICENSE FOR PERMIT NUMBER 2480-3 (SW $\frac{1}{4}$ 35 110-61)

1. Legal location of wells: Approx. Center SW $\frac{1}{4}$
35 110-61 (30' W & 10' N of C.P.)

dams & structures: _____

2. Well Information: Well Drilling Firm _____

No. of wells 1 Depth 80'

Casing a) diameter 1 1/2" Screen a) type Plastic
b) length _____ b) length _____
c) type plastic Static Water Level _____

Pump a) make Aurora Vertiline Motor a) make G.E.
b) model Type 10RHM b) model no. 5K6248XH4A
c) size Size # 35670736 c) horsepower rating 50
d) capacity 700 GPM d) motor efficiency rating _____
e) turbine pump
no. of stages 6

3. Distribution lines:

a) size of lines 8"
b) type PVC
c) length 35'

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

i) Outlet tubes:

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

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

- Model 2-6E5
Ser. # 576C3308
- 1) make Electrogator
 - 2) number of towers 8
 - 3) distance between towers _____
 - 4) overall length 1284'
 - 5) End gun (Y/N) _____
 - 6) high or low pressure _____
 - 7) make & size of nozzles _____
 - 8) PSI reading while system is running 80
 - 9) GPM 700

c) 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. 2480-3James River Water District
1016000 G**Report Of Examination Of Works And/Or Application Of Water To Beneficial Use**

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

I have this day made a thorough examination of the water use system constructed by Dalmer Polly
Rt. 3 Box 20 of Cavour, SD 57324 holder of
 Permit No. 2480-3, bearing the priority of Dec. 16 19 75 authorizing
 the diversion of 4.00 cu. ft. per second of the waters of wells
 for irrigation purposes, in Beadle County.

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

A. Works used to divert the water:

1 well in Sec. 26, T110N, R61W1 well in Sec. 35, " "See attachment for complete description

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

See attachment

C. Works used to apply water to beneficial use:

See attachmentThe system is in the following condition goodThe point of diversion is located SE 1/4 NW 1/4 Sec. 26, T110N, R61W &
center SW 1/4 Sec. 35, T110N, R61W (See Attachment)The works are capable of diverting and conveying to the place of use Sec. 26 - 1.67, Sec. 35 - 1.55
 cu. ft. per second of water which is to be used for irrigationWater has been put to beneficial use to the maximum extent as follows: Sec. 26, T110N, R61WSW 1/4 NW 1/4 - 32 acres SW 1/4 SW 1/4 - 7 acresSE 1/4 NW 1/4 - 32 " SE 1/4 SW 1/4 - 35 "NW 1/4 SW 1/4 - 34 "NE 1/4 SW 1/4 - 35 " Sec 35 - See Attachmentcomprising a total of 307 acres of land and the license should be issued for 1.67 cfs on Sec. 26Applicable permit qualifications have been complied with ☒ Yes ☐ No 1.55 cfs on Sec. 35
3.22 totalExceptions to compliance are: _____ Date Mar. 9, 1987James L. Wendt
 (signature)

Sec. 26, T110N, R61W

Well: SE $\frac{1}{4}$ NW $\frac{1}{4}$, 1400' E & 100' N of
SW corner of NW $\frac{1}{4}$,
78' deep, Plastic Casing, Steel Screen

Pump: Byron Jackson, Serial # 771P7107

Motor: General Electric, Model 5K6254XN501A,
60 H.P.

Pipe: 150' of buried 8" PVC to north pad
1320' of buried 8" PVC to south pad

Pivot: Zimmatic, Model 307, Serial # L14595,
7 towers, operated at 45 psi

Sec. 35, T110N, R61W

Well: Approx. Center SW $\frac{1}{4}$, ~~SE~~ 30' W & 10' N
of center of SW $\frac{1}{4}$

80' deep, 16" Plastic Casing, Plastic Screen

Pump: Aurora Vertiline, Type 10RHM, 6 Stage

Motor: General Electric, Model 5K6248XH4A
50 H.P.

Pipe: 35' of buried 8" PVC

Pivot: Electrogator, Model Z-6E5, Serial #
576C3308, 8 Towers, Operated at 80 psi

Sec. 35, T110N, R61W

NW $\frac{1}{4}$ SW $\frac{1}{4}$ - 33 acres

NE $\frac{1}{4}$ SW $\frac{1}{4}$ - 33 "

SE $\frac{1}{4}$ SW $\frac{1}{4}$ - 33 "

SW $\frac{1}{4}$ SW $\frac{1}{4}$ - 33 "

RECEIPT

Division of Water Rights South Dakota Department of Water and Natural Resources

Pierre, April 30, 1937

RECEIVED OF Dalmer Polly, Route 3, Box 20, Cavour, SD 57324

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. <u>2420-3</u>	50	00
Fee for Filing Transfer Form _____		
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	50 00

By

John Hatch
Chief Engineer

JOHN HATCH (RS)

State of South Dakota
Water License No. 2480-3

(1) Dalmer Polly
of RR 3, Box 20, Cavour, South Dakota 57324
made Application No. 2480-3, October 15, 1975 for a water permit to appropriate
4.0 cubic feet per second of water from groundwater (two wells),
Beadle County, South Dakota for irrigation purposes.
Permit No. 2480-3, with a priority date of December 16, 1975
was approved January 23, 1976 and issued to applicant(s) for diversion of water with construction of the described
water supply system to be completed on or before January 23, 1981 and for the application to beneficial use of said
water on or before January 23, 1983.

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 3.22 cubic feet per second of water
for beneficial use. The location of the diversion point(s) is #1 - 1400'E and 100'N of the SW Corner
of the NW $\frac{1}{4}$ Section 26; #2 - 30'W and 10'N of the Center of the SW $\frac{1}{4}$ Section 35;
all in T110N, R61W

and

(3) The applicant has complied with the provisions of South Dakota State Law relating to the application of water to beneficial use to the following extent, to irrigate the following land all in T110N-R61W

<u>Section 26</u>	<u>SW$\frac{1}{4}$NW$\frac{1}{4}$</u>	<u>32 Acres</u>
	<u>SE$\frac{1}{4}$NW$\frac{1}{4}$</u>	<u>32 Acres</u>
	<u>NW$\frac{1}{4}$SW$\frac{1}{4}$</u>	<u>34 Acres</u>
	<u>NE$\frac{1}{4}$SW$\frac{1}{4}$</u>	<u>35 Acres</u>
	<u>SW$\frac{1}{4}$SW$\frac{1}{4}$</u>	<u>7 Acres</u>
	<u>SE$\frac{1}{4}$SW$\frac{1}{4}$</u>	<u>35 Acres</u>
<u>Section 35</u>	<u>NW$\frac{1}{4}$SW$\frac{1}{4}$</u>	<u>33 Acres</u>
	<u>NE$\frac{1}{4}$SW$\frac{1}{4}$</u>	<u>33 Acres</u>
	<u>SE$\frac{1}{4}$SW$\frac{1}{4}$</u>	<u>33 Acres</u>
	<u>SW$\frac{1}{4}$SW$\frac{1}{4}$</u>	<u>33 Acres</u>
	<u>TOTAL</u>	<u>307 ACRES</u>

(4) Pursuant to §46-5-30.1 Dalmer Polly
of RR 3, Box 20, Cavour, South Dakota 57324
the holder(s) and/or owner(s) of Water Permit No. 2480-3 is issued a license to appropriate water, the right to use
3.22 cubic feet per second of water from groundwater (2 wells) with a priority date
of December 16, 1975 from the location specified in (2) of this license. The water to be
conducted to and upon lands specified in (3) of this license for the purpose of irrigation

This license is subject to any limitations or qualifications listed in Water Permit No. 2480-3 and subject
to South Dakota State Law.



Chief Engineer, Water Rights Division
Department of Water and Natural Resources
NOV 2 1987
JOHN HATCH



No. 2480-3

Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501

WATER RIGHTS DIVISION
Phone (605) 773-3352

NOV 2 1987

Dalmer Polly
RR 3, Box 20
Cavour, South Dakota 57324

Dear Mr. Polly:

Enclosed herewith is, Water License No. 2480-3. 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:MS

Enclosures

WNR-817 3/83

Transmittal of Water License.

17723

 **Department of
Water & Natural Resources**

#2830-3A
#2480-3
#4589-3

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

February 17, 1989

Dalmer Polly
Rt. 3, Box 20
Cavour, SD 57324

Dear Mr. Polly:

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

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

The new standards include:

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

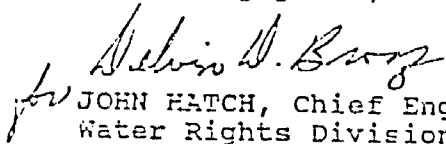


Each of these equipment requirements are discussed more thoroughly in Sections 74:02:07:05 through 74:02:09:10 of the enclosed rules. Appendix A contains diagrams of the arrangements of these anti-pollution devices.

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

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

Very truly yours,


JOHN HATCH, Chief Engineer
Water Rights Division



2480-3

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

January 11, 1995

Roger Chase
Coldwell Bankers
1640 Dakota South
Huron, SD 57350

2480-3

Dear Mr. Chase:

Enclosed, as we discussed, is a partially completed "Notice of Transfer" of ownership form for use in filing an ownership change on Water Right No. 2480-3. The water right is currently listed in the name of Dalmer Polly.

It is my understanding that the land in Section 26, T110N, R61E has been or is in the process of being sold and the land in Section 35 is still owned by Dalmer Polly. The water right will be divided and reissued as Water Right No. 2480A-3, Dalmer Polly and Water Right No. 2480B-3, 'new owner'.

The enclosed form should be reviewed for accuracy and then signed by the "new owner" in the presence of a notary public. A \$2.50 filing fee is required for filing an ownership change. Once the completed form and filing fee are received in our office, the water right will be divided and reissued as described above.

I have included a copy of the water right and highlighted the areas to be covered under each water right once the transfer is completed. If I have misunderstood and further changes need to be made, make the necessary changes and return the copy to me. If you have any questions, please contact me.

Sincerely,

Genny McMath
Environmental Scientist
Water Rights Division
(605) 773-3352

enclosures



2480-3

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

January 11, 1995

2480-3

Roger Chase
Coldwell Bankers
1640 Dakota South
Huron, SD 57350

Dear Mr. Chase:

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It is my understanding that the land in Section 26, T110N, R61W has been or is in the process of being sold and the land in Section 35 is still owned by Dalmer Polly. The water right will be divided and reissued as Water Right No. 2480A-3, Dalmer Polly and Water Right No. 2480B-3, 'new owner'.

The enclosed form should be reviewed for accuracy and then signed by the "new owner" in the presence of a notary public. A \$2.50 filing fee is required for filing an ownership change. Once the completed form and filing fee are received in our office, the water right will be divided and reissued as described above.

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Sincerely,

Genny McMath
Environmental Scientist
Water Rights Division
(605) 773-3352

enclosures

2480-3

DIVISION OF WATER RIGHT NO. 2480-3
INTO WATER RIGHT NOS. 2480A-3 AND 2480B-3

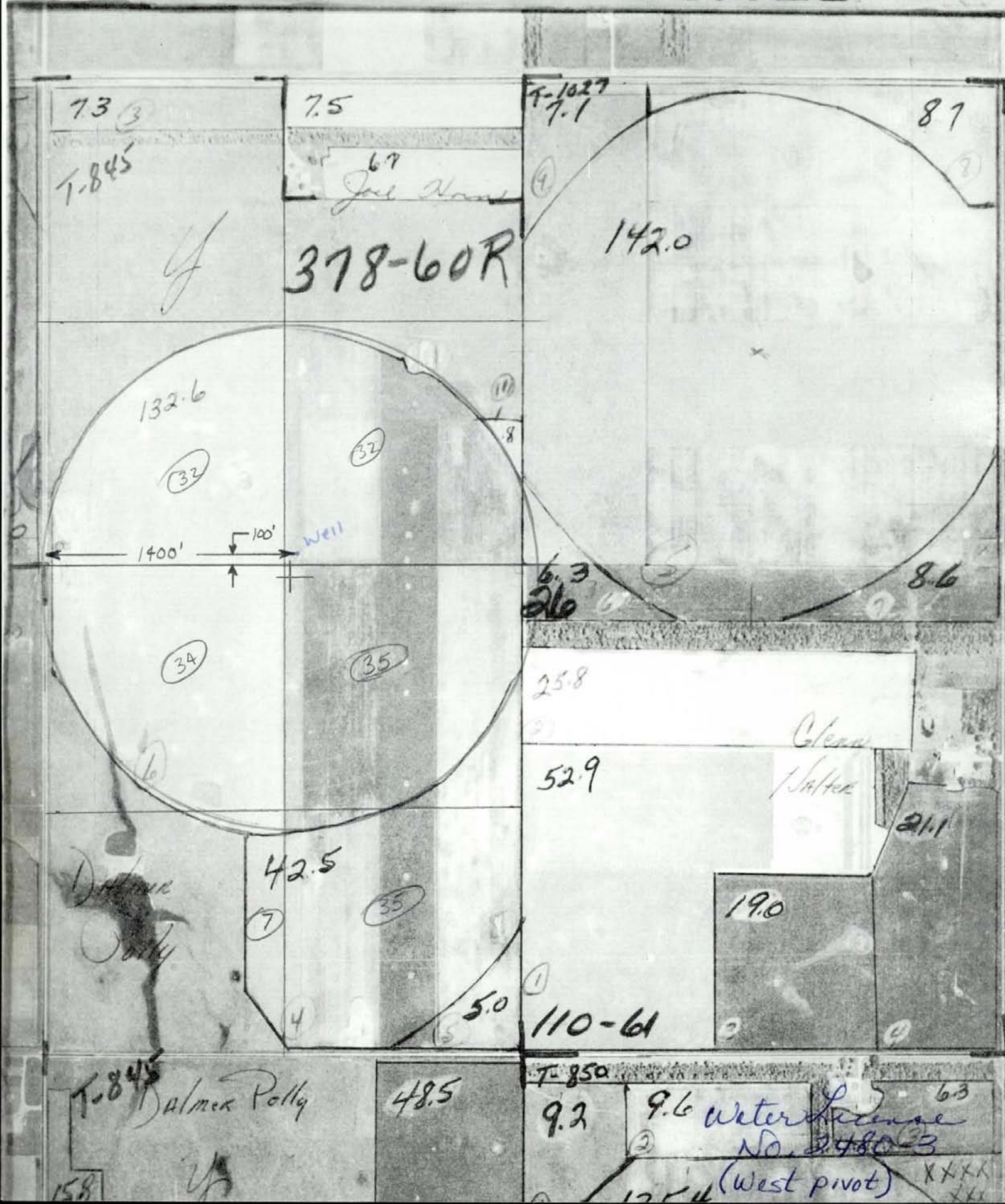
On January 23, 1995, portions of Water Right No. 2480-3 were transferred to Claire and Beverly J Thomas. To reflect separate ownership, Water License No. 2480-3 has been divided and reissued as follows:

No. 2480A-3 - Dalmer Polly - authorizing diversion of 1.55 cfs from well #2 to irrigate 132 acres located in the SW 1/4 Section 35, T110N, R61W.

No. 2480B-3 - Claire and Beverly J Thomas - authorizing diversion of 1.67 cfs from well #1 to irrigate 175 acres in the SW 1/4 and S 1/2 NW 1/4 Section 26, T110N, R61W.

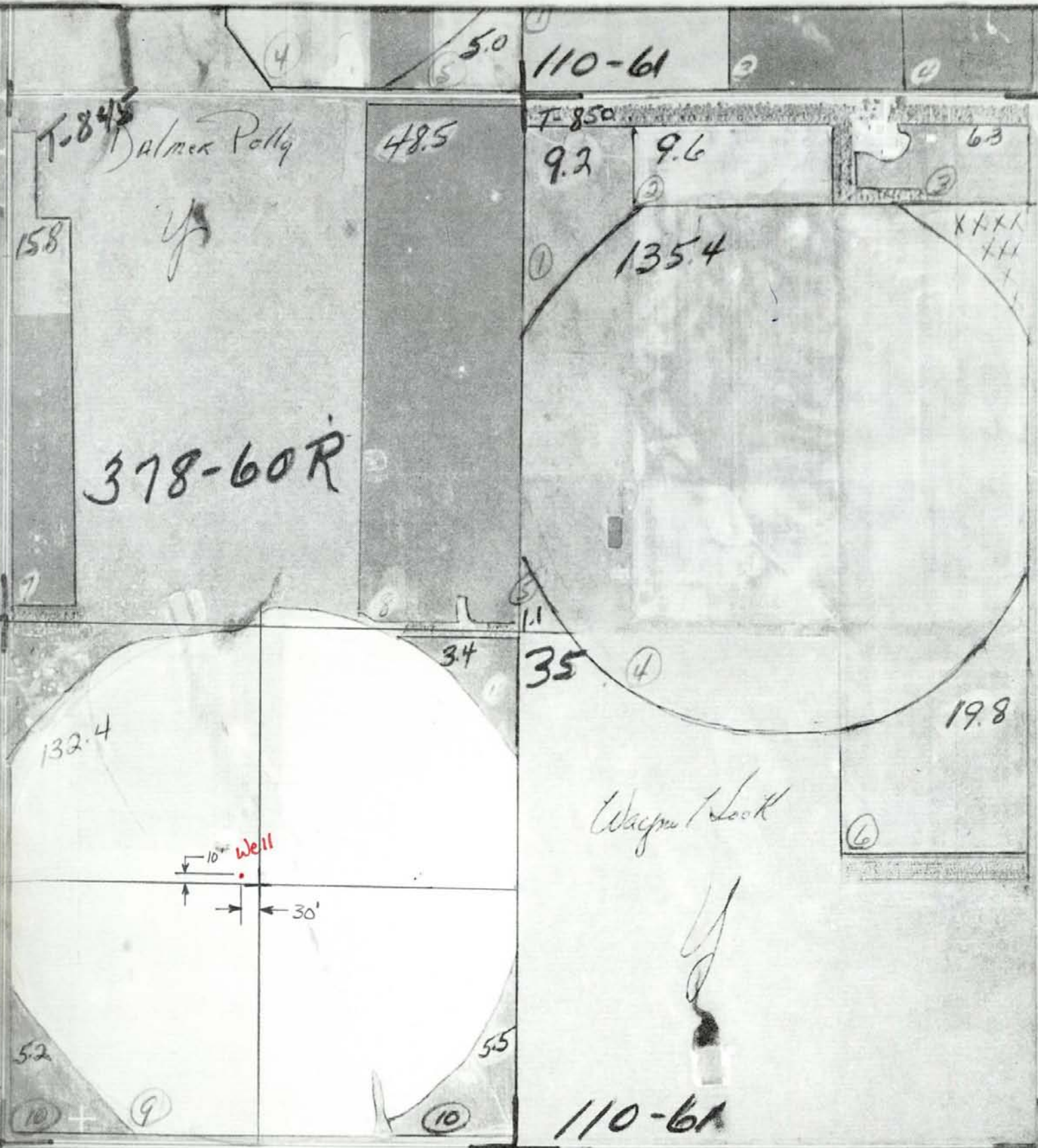
Both Water Right No. 2480A-3 and 2480B-3 will retain a December 16, 1975 priority date.

NOT TO SCALE



Polly

NOT TO SCALE



(SW 1/4 Sec 35) Water License
2480-3

25 April 1975

Dward D. Polly Irrigation

prepared by Don Anderson.

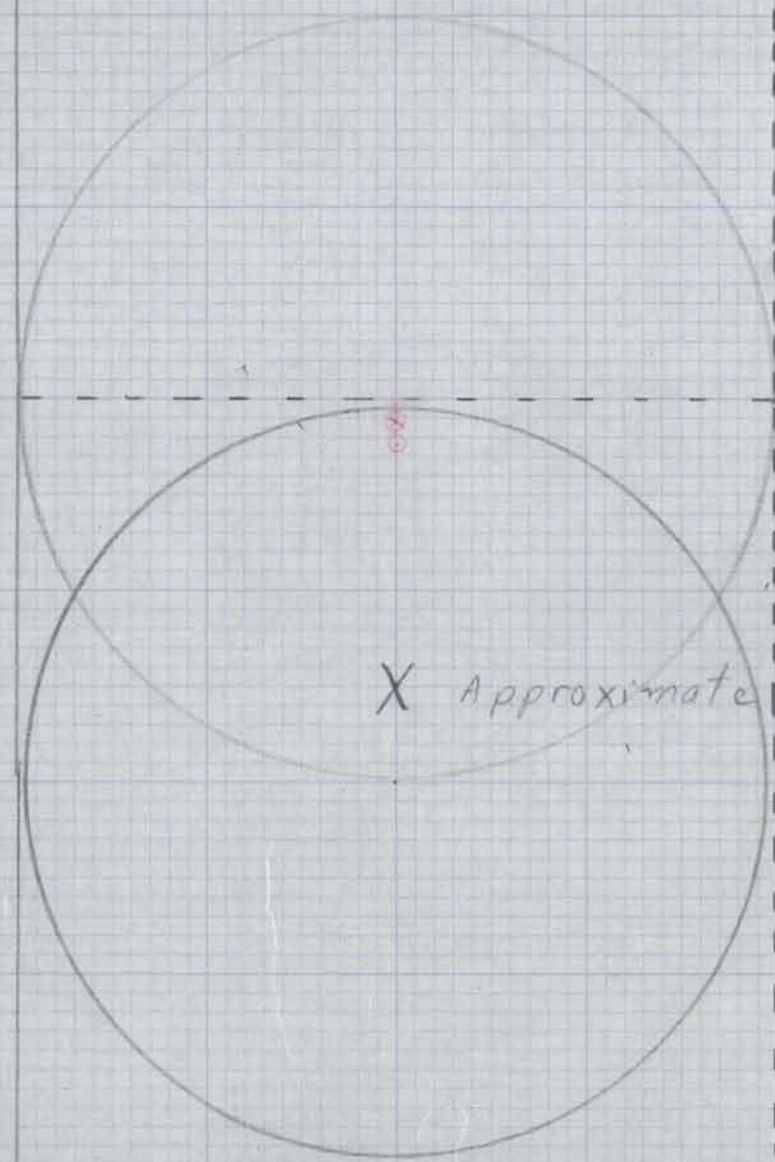
Don E. Anderson
Beadle Assoc. Co-agent

Section 26

110 N

61 W

Custer - Twp.



X Approximate Location of the well

Return to Map Contact

25 April 1975

Quard D. Polly Irrigation

prepared by Don Anderson

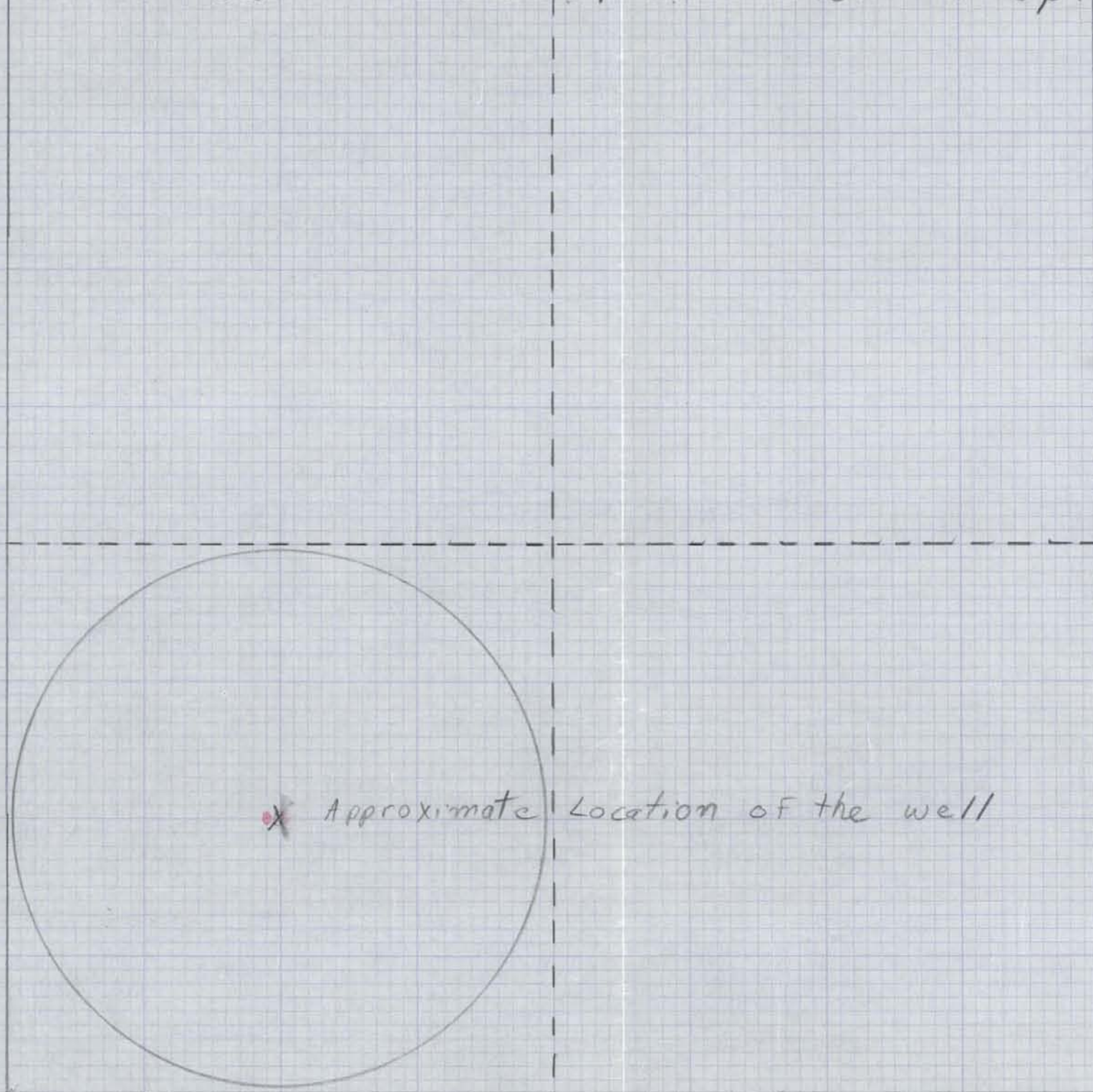
Don E. Anderson

Beadle Co. Assessor Agent

Section 35

110N 61W

Custer Twp.



x Approximate Location of the well