

Water Right Number 1565-12

1. Considered 5.25, 19 77
2. Name of Applicant LEO REAGLE
3. Post Office Address VALENTINE, NB
4. Amount of Water claimed 18.2
5. Source of Water supply 6 WELLS 180'-240'
6. Water to be used for IRRIGATION

Acres to be irrigated 1020

7. Water to be diverted and used in TODD County
about 3E, 11S miles of MISSION

8. Proof of Publication Received 4-18-77

Not Received _____

9. Application Approved _____

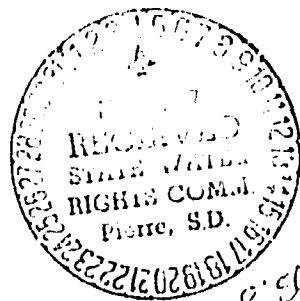
Subject to _____

Not Approved _____

Action Deferred _____

10. Remarks:

Map No. 1336-2 Water Division No. 2 KEYAPANA RIVER District 1565-2
(Blanks to be filled by the Engineer for the W. R. C.)



APPLICATION FOR PERMIT

To Appropriately Water within the State of South Dakota

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

1. Name of Applicant Leo Reagle
 Post-office address Valentine State Nebraska
 If a corporation show date and place of incorporation _____
2. Method of accomplishing work (contract, employment of others, or by direct labor) Contract
Leo Reagle Irrigation Project
3. Name of diversion work _____
4. Amount of water claimed (cubic feet per second) 14.2
wells
5. Source of water supply _____
6. Location of point of diversion NW $\frac{1}{4}$ Section 28, E $\frac{1}{2}$ Section 31, S $\frac{1}{2}$ Section 32, & SW $\frac{1}{4}$ Section 33
T37NR28W of the 6th. P.M.
- Todd County South Dakota
Spring thru fall
7. Annual period or periods during which water is to be used _____
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 1020

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.

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 5 years.
11. Choice of newspaper for Notice of Intent to Appropriately Water publication Todd County Tribune
12. Principal Features of the Proposed Water Supply System.

A. Works proposed to divert water from its natural source. WellB. Works proposed to transport water to place of use. -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 _____)

I, _____ 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 Leo ReagleSubscribed and sworn to before me this 14 day of February 1977

Notary Public (or other qualified officer)

John H. ...

DATED FEBRUARY 2, 1977

A circular professional seal for a Nebraska Registered Professional Land Surveyor. The outer ring contains the text "NEBRASKA" at the top and "DONALD L. PETTIGREW" at the bottom. The inner ring contains "REGISTERED" at the top and "LAND SURVEYOR" at the bottom. In the center, the license number "LS-305" is printed. The seal is surrounded by a decorative dashed border.

STATE OF NEBRASKA)
COUNTY OF CHERRY) SS

MY COMMISSION EXPIRES: 7-21-80

NOTARY PUBLIC

LOCATION	SECTION	TWP	RANGE	ACRES
NE1/4NW1/4	28	37N	28W	40.0
SE1/4NW1/4	28	37N	28W	40.0
NW1/4NW1/4	28	37N	28W	40.0
SW1/4 NW1/4	28	37N	28W	40.0
SE1/4 SE1/4	30	37N	28W	40.0
SW1/4SE1/4	30	37N	28W	40.0
NE1/4NE1/4	31	37N	28W	40.0
SE1/4 NE1/4	31	37N	28W	10.0
NW1/4NE1/4	31	37N	28W	40.0
SW1/4 NE1/4	31	37N	28W	10.0
NE1/4SE1/4	31	37N	28W	40.0
NW1/4 SE1/4	31	37N	28W	40.0
SW1/4 SE1/4	31	37N	28W	40.0
SE1/4 SE1/4	31	37N	28W	40.0
SE1/4 NE1/4	32	37N	28W	20.0
SW1/4 NE1/4	32	37N	28W	20.0
NE1/4 SE1/4	32	37N	28W	40.0
NW1/4 SE1/4	32	37N	28W	40.0
NE1/4 SW1/4	32	37N	28W	40.0
NW1/4SW1/4	32	37N	28W	40.0
SW1/4 SW1/4	32	37N	28W	40.0
SE1/4 SW1/4	32	37N	28W	40.0
SW1/4 SE1/4	32	37N	28W	40.0
SE1/4 SE1/4	32	37N	28W	40.0
NE1/4 SW1/4	33	37N	28W	40.0
NW1/4 SW1/4	33	37N	28W	40.0
SW1/4 SW1/4	33	37N	28W	40.0
SE1/4 SW1/4	33	37N	28W	40.0
TOTAL				1020.0

Map # 100-2

MAP NO ~~1252~~ 2 APPL NO 1565-2

WATER RIGHT APPLICATION APPROVAL

The Water Rights Commission hereby approves Water Right Application No. 1565-2
LEO REAGLE LALENTINE
 (Applicant) (Post Office Address)
NEBRASKA 68120 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.

Date of first receipt of application MARCH 4, 19 77
 Date of return to applicant for correction, amendments or changes required _____, 19 ____
 Date of receipt of corrected application: MARCH 7, 19 77
 Approved NOVEMBER 20, 19 77, Recorded in Book 19, Page 171

WATER RIGHT PERMIT NO. 1565-2

The Water Rights Commission hereby grants and issues this Water Right Permit No. 1565-2 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 MARCH 4, 19 77
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before MAY 30, 19 80
3. The whole of said work is to be completed on or before NOVEMBER 30, 19 82
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is NOVEMBER 30, 19 82
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 14.2 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 30, 19 82; said water to be used during the following described annual period: SPRING THRU FALL

Witness my hand this 6TH day of DECEMBER, 19 82

WATER RIGHTS COMMISSION

By:

[Signature]
 Chief Engineer, Executive Officer

Certificate of Construction Issued _____, 19 ____

Water License Issued _____, 19 ____

40.0	NE ₄ NW ₄	Section 28
40.0	SE ₄ NW ₄	Section 28
40.0	NE ₄ NE ₄	Section 28
40.0	SW ₄ NW ₄	Section 28
40.0	SE ₄ SE ₄	Section 30
40.0	SW ₄ SE ₄	Section 30
40.0	NE ₄ NE ₄	Section 31
10.0	SE ₄ NE ₄	Section 31
40.0	NW ₄ NE ₄	Section 31
10.0	SW ₄ NE ₄	Section 31
40.0	NE ₄ SE ₄	Section 31
40.0	SE ₄ SE ₄	Section 31
40.0	NW ₄ SE ₄	Section 31
40.0	SW ₄ SE ₄	Section 31
40.0	NE ₄ SW ₄	Section 32
40.0	NW ₄ SW ₄	Section 32
40.0	SW ₄ SW ₄	Section 32
40.0	SE ₄ SW ₄	Section 32
20.0	SW ₄ NE ₄	Section 32
20.0	SE ₄ NE ₄	Section 32
40.0	NE ₄ SE ₄	Section 32
40.0	NW ₄ SE ₄	Section 32
40.0	SW ₄ SE ₄	Section 32
40.0	SE ₄ SE ₄	Section 32
40.0	NE ₄ SW ₄	Section 33
40.0	NW ₄ SW ₄	Section 33
40.0	SW ₄ SW ₄	Section 33
40.0	SE ₄ SW ₄	Section 33

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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 3 1/2", Depth 230'
(2) Casing, Type concrete Diameter 17" Thickness 2 1/2"
(wood, concrete, steel, etc)
(3) Perforated Screen.
Type concrete, Diameter 17", Length 90'
(4) Gravel Pack, Thickness 12", Length of gravel pack 230'

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 30 ft

Depth to bottom of water bearing material 225 ft

Thickness of water bearing material 87 ft

Depth to water (ground surface to water level) 22 ft

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

On same owner's property 1/4 miles. On property owned by others _____ 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.

Joe M. Doyle
Signature of Applicant

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

D. Well Information or Estimates

- (1) Drill Hole, Diameter 34", Depth 235'
- (2) Casing, Type concrete Diameter 17" Thickness 2 1/2"
(wood, concrete, steel, etc)
- (3) Perforated Screen.
Type concrete, Diameter 17", Length 94'
- (4) Gravel Pack. Thickness 12", Length of gravel pack 235'

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 24 ft
Depth to bottom of water bearing material 224 ft
Thickness of water bearing material 95 ft
Depth to water (ground surface to water level) 20 ft

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

On same owner's property 1/4 mls On property owned by others _____ 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.

Tom P. Reagle
Signature of Applicant

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

D. Well Information or Estimates

(1) Drill Hole, Diameter 34", Depth 23.5'
 (2) Casing, Type Concrete, Diameter 12", Thickness 2 1/2"
 (wood, concrete, steel, etc)
 (3) Perforated Screen.
 Type Concrete, Diameter 12", Length 94'
 (4) Gravel Pack, Thickness 12", Length of gravel pack 23.5'

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 42 ft
 Depth to bottom of water bearing material 230 ft
 Thickness of water bearing material 81 ft
 Depth to water (ground surface to water level) 28 ft

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

On same owner's property 1/2 mile rds. On property owned by others _____ 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.

Leo M. Beagle
 Signature of Applicant

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

D. Well Information or Estimates

- (1) Drill Hole, Diameter 34" Depth 240'
- (2) Casing, Type Concrete (wood, concrete, steel, etc) Diameter 17" Thickness 2 1/2"
- (3) Perforated Screen.
Type Concrete, Diameter 17", Length 24'
- (4) Gravel Pack. Thickness 12", Length of gravel pack 240'

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 50 ft

Depth to bottom of water bearing material 228 ft

Thickness of water bearing material 8 ft

Depth to water (ground surface to water level) 30 ft

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

On same owner's property _____ rds. On property owned by others _____ 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.

Leo M. Reagle
Signature of Applicant

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 3 1/2', Depth 180'
 (2) Casing, Type concrete Diameter 17' Thickness 2 1/2"
 (wood, concrete, steel, etc)
 (3) Perforated Screen.
 Type concrete, Diameter 17', Length 72'
 (4) Gravel Pack, Thickness 12", Length of gravel pack 180'

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 12' 11"

Depth to bottom of water bearing material 168' 11"

Thickness of water bearing material 87' 11"

Depth to water (ground surface to water level) 12' 11"

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

On same owner's property 1/4 mile rds. On property owned by others _____ 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.

Lee M. Royle
 Signature of Applicant

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

D. Well Information or Estimates

- (1) Drill Hole, Diameter 3 1/2", Depth 240'
- (2) Casing, Type concrete Diameter 1 1/2" Thickness 2 1/2"
(wood, concrete, steel, etc)
- (3) Perforated Screen.
Type concrete, Diameter 17", Length 102'
- (4) Gravel Pack, Thickness 12", Length of gravel pack 240'

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 30

Depth to bottom of water bearing material 205

Thickness of water bearing material 125'

Depth to water (ground surface to water level) 20 ft

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

On same owner's property 1/4 rds. On property owned by others _____ 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.

Leo M. Reagle
Signature of Applicant



February 28, 1977

Mr. Leo Reagle
Mission Route
Vadentine, NB 69201

Dear Mr. Reagle:

We have completed the analyses of the 6 water samples you submitted. They are reported on the attached sheets and are your copies to keep. I have also tried to plot the quality of these waters for irrigation use by means of small red crosses in the chart on the outside back cover of pamphlet #13 enclosed for your use. They are so nearly alike that it is very difficult to distinguish them. On a chart of this scale.

There is no factor about the water quality that would cause any difficulty in salt accumulation or sodiug dispersion with these soils under normal use and adequate internal drainage. Most of these soils have adequate internal drainage except possibly the Loup-Elmore soils designated with an le on your soil map. These may periodically have high enough water tables so that the movement of water through the root zone of crops would be impeded. Under these conditions, there might be a build-up or sodium or salt for a year or two with this water. However, I suggest you simply observe carefully how the crops are performing and if serious salt injury or signs of soil dispersion take place, take soil samples or advise us.

I do feel, however, that you will be very disappointed in the performance of corn on such soils as the Loup-Elmore and the Anselmo-Tassel fine sandy loams with slopes up to 21%. Also the nutrient supplying capability of Anselmo-Beadle is sometimes marginal. The reason for concern, however, is mainly that the Anselmo-Tassel slopes have very thin topsoil and would not be able to sustain the supply of phosphorus and nitrogen throughout the growing season to a crop such as corn. This is not stated from personal experience, but simply a deduction from the nature of the soil profile. You may have information to the contrary.

I would also caution you that the Hoven soils where they occur, have a very dense claypan and will normally have salts with the claypan. If roots and water do penetrate the claypan, they will encounter this salt zone and will not go any further. Consequently, the performance of normally deep rooted crops, such as corn and alfalfa, will be extremely disappointing on these soils. I would suggest that wherever you have Hoven soils, you plant it to a salt-tolerant grass such as crested wheat grass or tall wheat grass and use the produce simply as forage.

Mr. Reagle
February 28, 1977
Page 2

A copy of this letter and all of your WI-1 forms with copies of the water analyses which pertain to each, are being sent to the State Conservation Commission in Pierre for their action.

Sincerely yours,

L. O. Fine

L. O. Fine
Water Quality Lab

LOF:ckb
Enclosures
cc: State Conservation Commission
D. Pahl, Extension Service

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 Leo Reagle

ADDRESS Mission Route, Valentine, Nebr. 69201

COUNTY Todd County

LEGAL DESCRIPTION

Well # 6

1. WELL LOCATION Approximately the center of the SE 1/4 32-37-28
2. LOCATION OF AREA TO BE IRRIGATED Approximately 133 acres in the SE 1/4 32-37-28 and 20 acres in the SW 1/4 32-37-28 and 20 acres in the SE 1/4 NE 1/4

TYPE OF IRRIGATION

3. GRAVITY _____ TOWLINE _____ CENTER PIVOT X GUN _____
4. CROPS TO BE IRRIGATED Corn

WATER QUALITY

5. SAMPLE NUMBER 77-214
6. SALINITY (EC X 10⁶) 3.72 (mod)
7. SODIUM (SAR) 0.18 (L)
8. RESIDUAL SODIUM CARBONATE (meq/l.) 0.57

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 Todd Co. 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.

Leo M. Reagle
APPLICANT'S SIGNATURE

SUBSCRIBED AND SWORN BEFORE ME THIS
1ST DAY OF January 1977.

[Signature]
NOTARY PUBLIC
GENERAL NOTARY
(TITLE OR SEAL)
January 1, 1977

Alfred J. [Signature]
APPROVED/RECEIVED

(SOILS INFORMATION ON REVERSE SIDE)

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

Submitted by: Leo Reagle Date Rec'd February 10, 1977
 Address: Mission Route Sample No. 77-214
Valentine, NB 69201 Identification #6 Well
SE 1/4, Sec. 32, T 37N, R 28W

WATER ANALYSIS

Calcium (Ca)	53	ppm*	2.65	me/l**
Magnesium (Mg)	5	ppm	0.41	me/l
Sodium (Na)	5	ppm	0.22	me/l
Potassium (K)	10	ppm	0.26	me/l
Sulfate (SO ₄)	2	ppm	0.04	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	12	ppm	0.32	me/l
Bicarbonate (HCO ₃)	220	ppm	3.60	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)	120	ppm (as CaCO ₃)		
Alkalinity (Phenolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	322	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	0.18			
Sodium	6.22	% of cations		
Residual sodium carbonate	0.54	me/l		
pH	7.59			
Others:				

*ppm=parts per million
 **me/l=millequivalents per liter
 ***g.p.g.=grains per gallon

COMMENTS: Total cations 3.54 me/l
 Total anions 3.96 me/l

By: Shirley Mittan

Service Performed

Amount Due

Irrigation analysis

\$15.00

Make checks payable to: Water Quality Laboratory

Cut along dotted line and return the lower portion with payment

Sample No. 77-214

Amount Enclosed \$

Signed

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) SD.



NAME Leo Reagle

ADDRESS Mission Route, Valentine, Nebr. 69201

COUNTY Todd County

LEGAL DESCRIPTION

Well # 7

1. WELL LOCATION Center of SW 32-37-28
2. LOCATION OF AREA TO BE IRRIGATED Approximately 133 acres located in the SW 32-37-28

TYPE OF IRRIGATION

3. GRAVITY _____ TOWLINE _____ CENTER PIVOT X GUN _____
4. CROPS TO BE IRRIGATED Corn

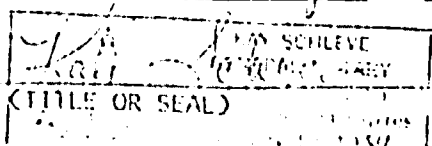
WATER QUALITY

5. SAMPLE NUMBER 77-215
6. SALINITY (EC x 10⁶) 322 (med)
7. SODIUM (SAR) 0.19 (low)
8. RESIDUAL SODIUM CARBONATE (mx1/1.) 0.86

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 Todd Co. 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.

Leo M. Reagle
APPLICANT'S SIGNATURE

SUBSCRIBED AND SWORN BEFORE ME THIS
1st DAY OF January 1977.



Albert J. Haff
APPROVED/NOTARY

(SOILS INFORMATION ON REVERSE SIDE)

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

Submitted by: Leo Teagle
 Address: Mission Route
Valentine, NB 69201

Date Rec'd February 10, 1977
 Sample No. 77-215
 Identification #7 Well-
SW 1/4, Sec. 32, T 37N, R 28W

WATER ANALYSIS

Calcium (Ca)	45	ppm*	2.25	me/l**
Magnesium (Mg)	6	ppm	0.49	me/l
Sodium (Na)	5	ppm	0.22	me/l
Potassium (K)	9	ppm	0.23	me/l
Sulfate (SO ₄)	0	ppm	0.00	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	2	ppm	0.04	me/l
Bicarbonate (HCO ₃)	220	ppm	3.60	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)	180	ppm (as CaCO ₃)		
Alkalinity (Phenolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	322	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	0.19			
Sodium	6.90	% of cations		
Residual sodium carbonate	0.86	me/l		
pH	7.71			

Others:

*ppm=parts per million

**me/l=millequivalents per liter

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

COMMENTS: Total cations 3.19 me/l
 Total anions 3.64 me/l

Shirley Eittan

Service Performed	Amount Due
Irrigation analysis	\$15.00

Make checks payable to: Water Quality Laboratory

Cut along dotted line and return the lower portion with payment

Sample No. 77-215

Amount Enclosed \$

Signed

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 Leo Reagle
ADDRESS Valentine, Nebraska
COUNTY Todd

LEGAL DESCRIPTION

1. WELL LOCATION center of SE 1/4 of 31-37-28
2. LOCATION OF AREA TO BE IRRIGATED approx 130 acres of SE 1/4 of 31-37-38

TYPE OF IRRIGATION

3. GRAVITY _____ TOWLINE _____ CENTER PIVOT X GUN _____
4. CROPS TO BE IRRIGATED CORN

WATER QUALITY

5. SAMPLE NUMBER 77-216
6. SALINITY (EC X 10⁶) 3.25
7. SODIUM (SAR) 0.18
8. RESIDUAL SODIUM CARBONATE (meq/l.) 0.45

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

Leo M. Reagle
APPLICANT'S SIGNATURE

SUBSCRIBED AND SWORN BEFORE ME THIS
5th DAY OF January 19 77.

Albert J. Hoff
TODD COUNTY CLERK

(TITLE OR SEAL)

APPROVED/_____
~~CLERK~~

SEE (SOILS INFORMATION ON REVERSE SIDE)

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

Submitted by: Leo Peagle
 Address: Mission Route
Valentine, ND 58021

Date Rec'd February 10, 1977
 Sample No. 77-216
 Identification 18 Well-
S24, Sec. 31, T. 37N, R 28W

WATER ANALYSIS

Calcium (Ca)	51	ppm*	2.55	me/l**
Magnesium (Mg)	6	ppm	0.49	me/l
Sodium (Na)	5	ppm	0.22	me/l
Potassium (K)	9	ppm	0.23	me/l
Sulfate (SO ₄)	0	ppm	0.00	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	2	ppm	0.04	me/l
Bicarbonate (HCO ₃)	215	ppm	3.52	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)	176	ppm (as CaCO ₃)		
Alkalinity (Phenolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	322	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	0.18			
Sodium	6.31	% of cations		
Residual sodium carbonate	0.43	me/l		
pH	7.69			

Others:

*ppm=parts per million

**me/l=millequivalents per liter

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

COMMENTS: Total cations - 3.49 me/l
 Total anions 3.56 me/l

By: Shirley Litten

Service Performed	Amount Due
Irrigation analysis	\$15.00

Make checks payable to: Water Quality Laboratory

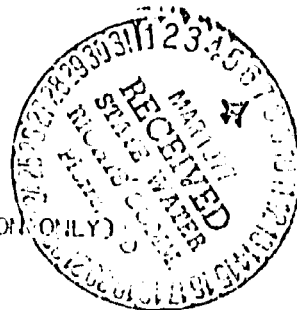
Cut along dotted line and return the lower portion with payment

Sample No. 77-216

Amount Encl 15

Signed _____

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 Leo Reagle

ADDRESS Mission Route, Valentine, Nebr. 69201

COUNTY Todd County

LEGAL DESCRIPTION

Well # 9

1. WELL LOCATION Approximately the center of the land description
2. LOCATION OF AREA TO BE IRRIGATED Approximately 133 acres located in the S₂SE₁ 30-37-28 S₂NE₁ 31-37-28 and 10 acres in the SW₁NE₁ and 10 acres in the SE₁NE₁ 31-37-28

TYPE OF IRRIGATION

3. GRAVITY _____ TOWLINE _____ CENTER PIVOT X GUN _____
4. CROPS TO BE IRRIGATED Corn

WATER QUALITY

5. SAMPLE NUMBER 77-217
6. SALINITY (EC X 10⁶) 342
7. SODIUM (SAR) 0.20
8. RESIDUAL SODIUM CARBOATE (meq/l.) 1.46

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 Todd Co. 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.

Leo M. Reagle
APPLICANT'S SIGNATURE

SUBSCRIBED AND SWORN BEFORE ME THIS
1st DAY OF January 1977.

[Signature]
KAY S. OLIVE
CLERK
(TITLE OR SEAL)
JAN 23 1977

Albert J. [Signature]
APPROVED

(SOILS INFORMATION ON REVERSE SIDE)

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

Submitted by: Leo Deagle
Address: Mission Route
Valentine, NB 69201

Date Rec'd February 10, 1977
Sample No. 77-217
Identification #9 Well-
S1, Sec. 30, T 37N, R 28W

WATER ANALYSIS

Calcium (Ca)	41	ppm*	2.05	me/l**
Magnesium (Mg)	6	ppm	0.49	me/l
Sodium (Na)	5	ppm	0.22	me/l
Potassium (K)	9	ppm	0.23	me/l
Sulfate (SO ₄)	1	ppm	0.02	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	1	ppm	0.03	me/l
Bicarbonate (HCO ₃)	244	ppm	4.00	me/l
Carbonate (CO ₃)		ppm		me/l
Iron (Fe)		ppm		me/l
Fluoride (F)		ppm		me/l
Hardness (EDTA as CaCO ₃)		ppm		g.p.g.***
Alkalinity (Methyl Orange)	200	ppm (as CaCO ₃)		
Alkalinity (Phenolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	312	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	0.20			
Sodium	7.36	% of cations		
Residual sodium carbonate	1.46	me/l		
pH	7.33			
Others:				

*ppm==parts per million
**me/l==millequivalents per liter
***g.p.g.=grains per gallon

COMMENTS: Total cations 2.99 me/l
Total anions 4.05 me/l

By: Shirley Kitten

Service Performed	Amount Due
Irrigation analysis	\$15.00

Make checks payable to: Water Quality Laboratory

Cut along dotted line and return the lower portion with payment

Sample No. 77-217

Amount Enclosed \$

Signed

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 Leo Reagle
ADDRESS Valentine, Nebraska
COUNTY Todd

LEGAL DESCRIPTION

1. WELL LOCATION Center of land description
2. LOCATION OF AREA TO BE IRRIGATED Approx. 130 acres in 1/4 of 28-37-28

Well #10

TYPE OF IRRIGATION

3. GRAVITY _____ TOWLINE _____ CENTER PIVOT X GUN _____
4. CROPS TO BE IRRIGATED CORN

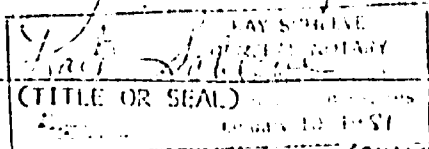
WATER QUALITY

5. SAMPLE NUMBER 77-218
6. SALINITY (EC X 10⁶) 307 (mod)
7. SODIUM (SAR) 0.15 (low)
8. RESIDUAL SODIUM CARBONATE (meq/l.) 0.59

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

Leo M. Reagle
APPLICANT'S SIGNATURE

SUBSCRIBED AND SWORN BEFORE ME THIS
8th DAY OF January 19 77.



Alvin A. [Signature]
APPROVED/RELEASED

(SOILS INFORMATION ON REVERSE SIDE)

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

Submitted by: Leo Roegle
 Address: Mission Route
Valentine, NB 69201

Date Rec'd February 10, 1977
 Sample No. 77-218
 Identification #10 Well-
NW 1, Sec. 28, T 37N, R 28W

WATER ANALYSIS

Calcium (Ca)	56	ppm*	2.80	me/l**
Magnesium (Mg)	4	ppm	0.33	me/l
Sodium (Na)	5	ppm	0.22	me/l
Potassium (K)	9	ppm	0.23	me/l
Sulfate (SO ₄)	0	ppm	0.00	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	1	ppm	0.03	me/l
Bicarbonate (HCO ₃)	227	ppm	3.72	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)	186	ppm (as CaCO ₃)		
Alkalinity (Phenolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	307	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	0.18			
Sodium	6.15	% of cations		
Residual sodium carbonate	0.59	me/l		
pH	7.55			

Others:

*ppm=parts per million

**me/l=millequivalents per liter

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

COMMENTS: Total cations 3.53 me/l
 Total anions 3.75 me/l

By: Shirley Mitten

Service Performed	Amount Due
Irrigation analysis	\$15.00

Make checks payable to: Water Quality Laboratory

Cut along dotted line and return the lower portion with payment

Sample No. 77-218

Amount Enclosed \$

Signed

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 Leo Reagle

ADDRESS Mission Route, Valentine, Nebr. 69201

COUNTY Todd County

LEGAL DESCRIPTION

1. WELL LOCATION Center of SW 33-37-28
2. LOCATION OF AREA TO BE IRRIGATED Approximately 133 acres located in SW 33-37-28

Well # 11

TYPE OF IRRIGATION

3. GRAVITY _____ TOWLINE _____ CENTER PIVOT X GUN _____
4. CROPS TO BE IRRIGATED Corn

WATER QUALITY

5. SAMPLE NUMBER 77-219
6. SALINITY (EC X 10⁶) 285 (mod)
7. SODIUM (SAR) 0.18 (low)
8. RESIDUAL SODIUM CARBONATE (meq/l.) 0.77

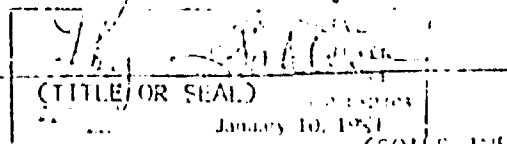
I do hereby certify that a chemical analysis of the ground water representative of that used to irrigate shall be acquired from South Dakota State University and: the soils information has been acquired from Todd Co. Conservation District, County Extension office or Soil Conservation Service.

and:

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

Leo M. Reagle
APPLICANT'S SIGNATURE

SUBSCRIBED AND SWORN BEFORE ME THIS
8th DAY OF February 19 77.



Alfred J. Hoff
APPROVED/NOTARIAL

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

Submitted by: Leo Reagle
 Address: Mission Route
Valentine, NE 69201

Date Rec'd February 10, 1977
 Sample No. 77-219
 Identification 11-1011-
SW1, Sec. 33, T 37N, R 28W

WATER ANALYSIS

Calcium (Ca)	50	ppm*	2.50	me/l**
Magnesium (Mg)	6	ppm	0.49	me/l
Sodium (Na)	5	ppm	0.22	me/l
Potassium (K)	9	ppm	0.23	me/l
Sulfate (SO ₄)	0	ppm	0.00	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	1	ppm	0.03	me/l
Bicarbonate (HCO ₃)	229	ppm	3.76	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)	132	ppm (as CaCO ₃)		
Alkalinity (Phenolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	285	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	0.18			
Sodium	6.40	% of cations		
Residual sodium carbonate	0.77	me/l		
pH	7.62			

Others:

*ppm=parts per million

**me/l=millequivalents per liter

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

COMMENTS: Total cations 3.44 me/l
 Total anions 3.79 me/l

By: Shirley Litten

Service Performed	Amount Due
Irrigation analysis	\$15.00

Make checks payable to: Water Quality Laboratory

Cut along dotted line and return the lower portion with payment

Sample No. 77-219

Amount Enclosed \$

Signed

No. 1565-2

Publish first publication, on or before May 12, 1977.

**NOTICE
INTENT TO APPROPRIATE WATER**

Pierre, South Dakota 57501

~~April 6~~, 1977

Notice is hereby given that Leo Reagle
whose post office address is Valentine, Neb., 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
14.2 cubic feet of water per second of time from the ground water through the
Leo Reagle Irrigation, the point of diversion of which is to be located in the
NW $\frac{1}{4}$ SE $\frac{1}{4}$ and center of SW $\frac{1}{4}$ of Section 32, center of SW $\frac{1}{4}$ of
Section 33, Center of N $\frac{1}{4}$ N $\frac{1}{4}$ NE $\frac{1}{4}$ and Center of SE $\frac{1}{4}$ of Section
31, near center of NW $\frac{1}{4}$
of Section 28, Twp. 37N, Range 28W. Said water to be used for the purpose
of providing irrigation on the following described land:

~~NW¹₄, Section 20; S¹₂ SE¹₄, Section 20; SW¹₄, N¹₂ NE¹₄, N¹₂ R¹₂ S¹₂ NE¹₄,
Section 31; S¹₄, S¹₂ S¹₄ NE¹₄, Section 32; SW¹₄, Section 33; T37N,
R28W~~

This application No. 1565-2 will be considered by the Water Rights Commission at their office at Pierre upon the 25th day of May, 1977, at 10:00 A.M. All interested persons may appear and be heard.

WATER RIGHTS COMMISSION

By:

JAMES WINTERTON
Water Rights Specialist

BFJ /bw

cc: Leo Reagle, Valentino, Neb. 69201

No. 1565-2

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Todd) ss.

I, Lennette Larn hereby

certify that the annexed printed copy of Notice of Intent to Appropriate
Water was taken from the Todd County Tribune

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

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

April 14, 1977
April 21, 1977

Lennette Larn
(Signature)

Bookkeeper
(Title)

April 14, 1977
(Date Signed)

Notice of Intent to
Appropriate Water

Notice is hereby given that Leo Reagle, whose post office address is Valentine, Neb., has made an application in accordance with the provisions of the water laws of South Dakota for a permit to appropriate for beneficial use 147 cubic feet of water per second of time from ground water through the Leo Reagle Irrigation, the points of diversion of which are to be located in the NE¹/₄ SE¹/₄ and center of SW¹/₄ of Section 32, center of SW¹/₄ of Section 33, Center of N¹/₂ N¹/₂ NE¹/₄ and Center of SE¹/₄ of Section 31, near center of NW¹/₄ of Section 28, Twp. 37N, Range 28W. Said water to be used for the purpose of providing irrigation on portions of the following described land: NW¹/₄, section 28; S¹/₂ SE¹/₄, Section 30; SE¹/₄ N¹/₂ NE¹/₄, N¹/₂ N¹/₂ S¹/₂ NE¹/₄, Section 31; S¹/₂, S¹/₂ S¹/₂ NE¹/₄, Section 32; SW¹/₄, Section 33; T37N, R28W.

This application No. 1565-2 will be considered by the Water Rights Commission at their office at Pierre upon the 25th day of May, 1977, at 10:00 a.m. All interested persons may appear and be heard.

WATER RIGHTS
COMMISSION

By: James Winterton
Water Rights
Specialist

Publ.: April 14 and 21.



Form 10.

No. 1565-2



NOTICE OF COMPLETION OF WORKS AND/OR
APPLICATION OF WATER TO BENEFICIAL USE

Post Office V Valentine, Nebr.

Date Nov. 20, 1982

TO: Water Rights Commission
Joe Foss Building
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. 1565-2.

Water Right Permit No. 1565-2 states that the diversion system is to be constructed by May 20, 1980 and that the water is to be put to beneficial use by Nov. 20, 1982.

The diversion system was completed on April 2, 1980.
Applying the water to beneficial use was completed on July 7, 1982
19 .

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.

Leo M. Reagle
(Signature)

Water Rights Division - DWR
Conversation or File Documentation

801-2 891-2
File No.

NAME OF PERSON OR FILE: Lee Reagle

ADDRESS: 530 N Haley, Valentine NE COUNTY Todd

DATE: 11-14-84 TELEPHONE (402) 376-3777

RE: Additional lands irrigated under water licenses

COMMENTS:

Mr. Reagle purchased two larger pivots and used
them to replace two small pivots on land that has
already been licensed. This means that there are lands
being irrigated which are not under permit or license.
An application to add lands and a soil/water compatibility
application form are being forwarded to Mr. Reagle
to straighten out the license.

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.

4/82

NAME: Gregory Powell 11-14-84

File Copy

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

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

WATER RIGHTS DIVISION

(605) 773-3352

1565-2
861-2
891-2

November 30, 1984

Leo Reagle
530 N. Haley
Valentine, Nebraska 69201

Dear Leo,

On November 1, 1984 I inspected water permit 1565-2. Everything appears to be in order. I am forwarding a letter to Marvin to get information about the big gun which was used to irrigate the south half of section 32, T37N, R18W. When I receive the information on the big gun, I will be able to complete the licensing process.

Licenses

861-2

&

891-2

License 861-2 & 891-2

The second reason that I am contacting you is to address the pivots that are located in the south half of section 28 and 29 and the NE $\frac{1}{4}$ of Section 32. The pivots located in the S $\frac{1}{2}$ of Sections 28 and 29 were licensed for 66.5 acres and 95.2 acres. The pivot located in the NE $\frac{1}{4}$ of Section 32 and W $\frac{1}{2}$ NW $\frac{1}{4}$ of Section 33 was licensed for 78.0 acres. All three pivots have additional lands irrigated beyond the acreage which they were licensed for. Pivot #1 (see map) was licensed for 95.2 acres and now has 132.2 acres irrigated. Pivot #2 (see map) was licensed for 66.5 acres and now has 131.5 acres irrigated. Pivot #3, (see map) was licensed for 78.0 Acres and has approximately 90 acres irrigated. In order to correct the situation, the additional lands must be permitted and licensed.

Enclosed is a water permit application for the additional lands and a soil/water compatibility application form. Please review the water permit application for accuracy and sign it in the presence of a notary. Please review the soil/water application, obtain a water sample from Pivot #1 and Pivot #2 and have it analyzed. Please sign the soil/water application in the presence of a notary.

The cost to permit the additional acres is \$225.00. Please remit \$225.00 when you mail the form back.

If you have any questions, please contact me.

Sincerely,

Greg Powell
Natural Resources Engineer

GP:ms
Enc.

L

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 Leo Reagle

ADDRESS Mission Route, Valentine, Nebr. 69201

COUNTY Todd County

Well # 9

LEGAL DESCRIPTION

1. WELL LOCATION Approximately the center of the land description
2. LOCATION OF AREA TO BE IRRIGATED Approximately 133 acres located in the S₂SE₄ 30-37-28
(S₂NE₄ 31-37-26 and 10 acres in the SW₄NE₄ and 10 acres in the SE₄NE₄ 31-37-28)
(See attached plat. - corrected to file)

TYPE OF IRRIGATION

3. GRAVITY _____ TOWLINE _____ CENTER PIVOT X GUN _____
4. CROPS TO BE IRRIGATED Corn

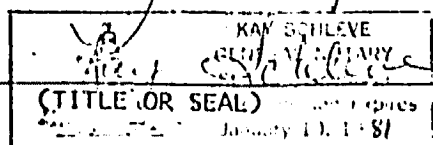
WATER QUALITY

5. SAMPLE NUMBER 77-217
6. SALINITY (EC X 10⁶) 3.2
7. SODIUM (SAR) 0.20
8. RESIDUAL SODIUM CARBONATE (meq/l.) 1.46

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 Todd Co. 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.

Leo M. Reagle
APPLICANT'S SIGNATURE

SUBSCRIBED AND SWORN BEFORE ME THIS
8th DAY OF February 19 77.



Albert L. Wright
APPROVED

(SOILS INFORMATION ON REVERSE SIDE)

1715-TD

STATE CONSERVATION COMMISSION
SUPPORTING INFORMATION
FOR APPROPRIATION OF GROUND WATER IN ACCORDANCE
WITH SDC 46-6-3 AS AMENDED
(THIS FORM REQUIRED FOR PROPOSED GROUND WATER IRRIGATION ONLY)

NAME Leo Reagle

ADDRESS Mission Route, Valentine, Nebr. 69201

COUNTY Todd County

LEGAL DESCRIPTION

Well # 9

1. WELL LOCATION Approximately the center of the land description
2. LOCATION OF AREA TO BE IRRIGATED Approximately 193 acres located in the S. 30-37-28
R. 18-31-37-38 and 10 acres in the S. 30-37-28 and 10 acres in the S. 30-37-28

TYPE OF IRRIGATION

3. GRAVITY TOW LINE CENTER PIVOT X SUN
4. CROPS TO BE IRRIGATED Corn

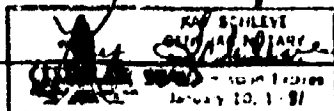
WATER QUALITY

5. SAMPLE NUMBER 77-217
6. SALINITY (EC x 10⁶) 3.2
7. SODIUM (SAR) 0.20
8. RESIDUAL SODIUM CARBONATE (meq/l.) 1.46

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 soil information has been acquired from Todd Co. 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.

Leo M. Reagle
APPLICANT'S SIGNATURE

SUBSCRIBED AND SWORN BEFORE ME THIS
10 DAY OF January 1977.



Albert L. Hoff
APPROVED/DEPUTY

(NOTES INFORMATION ON REVERSE SIDE)



**Department of
Water & Natural Resources**

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501

Division of Water Rights
605 773-3352

No. 1565-2

January 10, 1985

Leo Reagle
Valentine, Nebraska 69201

Dear Mr. Reagle:

The inspection of your water use system and inspection of the extent of the application of water to beneficial use, as developed under your Water Right No. 1565-2 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, 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
Staff Assistant

NOTE: On form of payment, please include the number of the water permit. This insures proper handling of the fee.

DWR-814 8/83

Permit No. 1565-2Keyapaha Water District**Report Of Examination Of Works And/Or Application Of Water To Beneficial Use**

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

I have this day made a thorough examination of the water use system constructed by Leo Reagle
of 520 N. Haley
Valentine NE holder ofPermit No. 1565-2, bearing the priority of March 4 19 77 authorizingthe diversion of 14.2 cu. ft. per second of the waters of groundwater - Ogallalafor Irrigation purposes, in Todd County.

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

- A. Works used to divert the water: Pivot #1 has one well 180' deep with a 16" concrete casing. The pump is a Western Land Roller with a capacity of 1000 GPM. There is a GE 75 HP motor. Pivot #2 has one well 240' deep with a 16" concrete casing. There is a 800 GPM Western Land Roller pump and a 75 HP US Electric motor.
(SEE BACK)

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

Pivot #1 has 10' of 8" steel pipe to transport the water.

Pivot #2 has 20' of 8" steel pipe to transport the water.

(SEE BACK)

- C. Works used to apply water to beneficial use: Pivot #1 is a Valley center pivot having 7 towers, 150' spacing between towers, an end gun, and low pressure nozzles. The operating pressure is 40 psi with 800 GPM. Pivot #2 same as #1 except 8 towers with 150' spacings. (SEE BACK)

The system is in the following condition Good

The point of diversion is located well #1 1150' W & 400' S of NE corner of sec 31; well #2 1340' W & 1440' N of SE corner of sec 31; well #3 1250' E & 1350' N of SW corner section 32; well #4 1450' W & 1300' N of SE corner of sec 32 all of T37N R28W

The works are capable of diverting and conveying to the place of use 7.6 cu. ft. per second of water which is to be used for Irrigation

Water has been put to beneficial use to the maximum extent as follows: SW1SE130-12.1 SE1SE130-13.4 NW1NE131-26.6 NE1NE131-38.8 SW1NE131-2.0 SE1NE131-4.0; NW1SE131-35.5 NE1SE131-35.9 SW1SE131-32.4 SE1SE131-31.3; NW1SW132-40.0 NE1SW132-40.0 SW1SW132-40.0 SE1SW132-40.0; NW1SE132-40.0 NE1SE1-40.0 SW1SE132-40.0 SE1SE132-40.0
All in T37N, R28W

comprising a total of 554.0 acres of land and the license should be issued for 7.6 cfs

Applicable permit qualifications have been complied with ☒ Yes ☐ No

Exceptions to compliance are: _____ Date 10/31/84

[Signature]
CHIEF ENGINEER

The lands irrigated in the S² of sec 32 T37N R28W are in native grass. The land was irrigated with a moveable pump & motor and a big gun.

A. Works used to divert water (cont.): well #3 is 240' deep and cased with 16" concrete casing. well #4 is 220' deep and also cased with 16" concrete casing. The pump used is a Western Land Roller, size 12B-HC with 8 stages and pumping 800 GPM. The motor is an Amarillo with 125 HP. The electric motor is powered with a diesel engine and generator #121815. The pump and motor was used on both quarters.

B. Works used to transport water to place of use (cont.):

A 5" hose 660' long was used to transport the water to the big gun in the S² of sec 32.

C. Works used to apply water to beneficial use (cont.):

The lands on the S² of sec. 32 are irrigated with a Water Winch, big gun, having a 1¾" nozzle and 70-75 psi.

SW-32 well in pasture

LICENSE FOR PERMIT NUMBER 1565-2

1. Legal location of wells: 1250' East & 1350' North of SW corner
of section 32, T37N, R28W

dams & structures: _____

2. Well Information: Well Drilling Firm Grasch

No. of wells 1 Depth 240'

Casing a) diameter 18" Screen a) type _____
b) length 200' b) length _____
c) type concrete Static Water Level 123'

Pump a) make Western Lardroller Motor a) make Amorillo
b) model B70III b) model no. S125 90534
c) size 12R HC c) horsepower rating 125
d) capacity 800 GPM d) motor efficiency rating _____
e) turbine pump
no. of stages 8m

3. Distribution lines:

a) size of lines _____
b) type _____
c) length _____

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

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

g) Gun

- 1) make Water Witch
- 2) serial number 0899
- 3) nozzle size 1 3/4"
- 4) capacity (GPM) 550-650
- 5) PSI 70-75
- 6) hose size 5"
- 7) hose length 660'

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:

LICENSE FOR PERMIT NUMBER 1565-2

SE-32 pasture

1. Legal location of wells: 1450' West & 1300' North of SE corner
of sec 22, T27N, R22W

dams & structures: _____

2. Well Information: Well Drilling Firm Grash

No. of wells 1 Depth ~~200~~ 220'

Casing a) diameter 18 in Screen a) type _____
b) length 200' b) length _____
c) type concrete Static Water Level 131 ft

Pump a) make Wardair Lardick Motor a) make Avacilla
b) model P7011 b) model no. S125 90534
c) size 125 HP c) horsepower rating 125
d) capacity 800 GPM d) motor efficiency rating _____
e) turbine pump
no. of stages 5m

3. Distribution lines:
a) size of lines _____
b) type _____
c) length _____

(Diesel motor) - (movable
pump + motor), use
big gun to irrigate
with

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) valve () _____
4) at _____
5) location & 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) _____
1) _____ feet
2) make, model, number of sprinklers _____
3) spacing of sprinklers _____
4) nozzle size _____

5. System Type: c) center pivot

- 1) make _____
- 2) number of towers _____
- 3) distance between towers _____
- 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 _____
- 9) GPM _____

g) Gun

- 1) make Water Witch
- 2) serial number 0899
- 3) nozzle size 1 3/4" - 200 Nozzle
- 4) capacity (GPM) 550 - 650
- 5) PSI 70 - 75
- 6) hose size 5"
- 7) hose length 660 ft

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:

NE 4 31

LICENSE FOR PERMIT NUMBER 1565-2

1. Legal location of wells: 1150' W & 400' S. of NE corner of sec 31
T 37 N R 28 W

dams & structures: _____

2. Well Information: Well Drilling Firm Geotech Well Drilling

No. of wells 1 Depth 180'

Casing a) diameter 14" Screen a) type _____
b) length 180 b) length _____
c) type concrete Static Water Level 122 ft

Pump a) make Western Land Roller Motor a) make General Electric
b) model _____ b) model no. SK6255XR501A
c) size _____ c) horsepower rating 75
d) capacity 1000 GPM d) motor efficiency rating _____
e) turbine pump no. of stages _____

3. Distribution lines:

a) size of lines 8"
b) type steel
c) length 10'

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) Cutlet 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 _____

$$57 \times 2.6 = 119$$

5. System Type: c) center pivot

- 1) make Valley
- 2) number of towers 9
- 3) distance between towers 150'
- 4) overall length _____
- 5) End gun (Y/N) Y
- 6) high or low pressure L
- 7) make & size of nozzles Valley L. Press.
- 8) PSI reading while system is running 40
- 9) GPM 800

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:

SE 1-31

LICENSE FOR PERMIT NUMBER 1565-2

1. Legal location of wells: 1340' W & 1440' N of SE corner of section
31, T37N, R28W

dams & structures: _____

2. Well Information: Well Drilling Firm Grosch

No. of wells 1 Depth ~~240~~ 240'

Casing a) diameter ~~10~~ 15" Screen a) type _____
b) length ~~100~~ b) length _____
c) type concrete Static Water Level 148'

Pump a) make Western Land Roller Motor a) make U.S. Electric
b) model _____ b) model no. 14
c) size _____ c) horsepower rating 75
d) capacity 800 GPM d) motor efficiency rating _____
e) turbine pump
no. of stages _____

3. Distribution lines:
a) size of lines 8"
b) type steel
c) length 20'

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) ladder:
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 _____

57 117
2.15 31

System Type: c) center pivot

1) make Valley

2) number of towers 8

3) distance between towers
156-160

4) overall length _____

5) End gun (Y/N) Y

6) high or low pressure L

7) make & size of nozzles
Valley L. Press

8) PSI reading while system is
running 40

9) GPM 800

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:

GROSCH IRRIGATION CO., Inc.

O'Neill, Nebraska 68133

Test wells (at \$1.00 a foot) are due and payable in 90 days unless arrangements have been made for the completion of the irrigation well.

Date 4-15-82

Name Marvin Reagle

Leo M. Reagle

Location SE 1/4 32-37-28

Soc. _____ (Locate test with "X")

feet from _____ line.

TEST LOG

Footage	Description	Drilling Notes
1-3	Top Soil	#4
3-8	Sand & Silty Clay	
8-24	Sand & Little Limestone - Clay layers	
24-32	Sand & Little Clay layers	
32-36	Sand & Little Clay layers	
36-42	Sand & Little Clay layers	
42-48	Sand & Little Clay layers	
48-54	Sand & Little Clay layers	
54-60	Sand & Little Clay layers	
60-66	Sand & Little Clay layers	
66-72	Sand & Little Clay layers	
72-78	Sand & Little Clay layers	
78-84	Sand & Little Clay layers	
84-90	Sand & Little Clay layers	
90-96	Sand & Little Clay layers	
96-102	Sand & Little Clay layers	
102-108	Sand & Little Clay layers	
108-114	Sand & Little Clay layers	
114-120	Sand & Little Clay layers	
120-126	Sand & Little Clay layers	
126-132	Sand & Little Clay layers	
132-138	Sand & Little Clay layers	
138-144	Sand & Little Clay layers	
144-150	Sand & Little Clay layers	
150-156	Sand & Little Clay layers	
156-162	Sand & Little Clay layers	
162-168	Sand & Little Clay layers	
168-174	Sand & Little Clay layers	
174-180	Sand & Little Clay layers	
180-186	Sand & Little Clay layers	
186-192	Sand & Little Clay layers	
192-198	Sand & Little Clay layers	
198-204	Sand & Little Clay layers	
204-210	Sand & Little Clay layers	
210-216	Sand & Little Clay layers	
216-222	Sand & Little Clay layers	
222-228	Sand & Little Clay layers	
228-234	Sand & Little Clay layers	
234-240	Sand & Little Clay layers	
240-246	Sand & Little Clay layers	
246-252	Sand & Little Clay layers	
252-258	Sand & Little Clay layers	
258-264	Sand & Little Clay layers	
264-270	Sand & Little Clay layers	
270-276	Sand & Little Clay layers	
276-282	Sand & Little Clay layers	
282-288	Sand & Little Clay layers	
288-294	Sand & Little Clay layers	
294-300	Sand & Little Clay layers	

Est. CPM 600-800

Driller

Customer's Signature

GROSCH IRRIGATION CO., Inc.

Test wells (at \$1.00 a foot) are due and payable in 90 days unless arrangements have been made for the completion of the irrigation well.

Date 4-15-82

Name Marvin Reagle

Leo M. Reagle

Location SW 1/4 32-37-28

Soc. _____ (Locate test with "X")

feet from _____ line.

TEST LOG

Footage	Description	Drilling Notes
0-2	Top Soil	
2-15	Sandstone & Little Limestone - Clay layers	
15-23	Sandstone & Little Limestone - Clay layers	
23-32	Sandstone & Little Limestone - Clay layers	
32-36	Sandstone & Little Limestone - Clay layers	
36-42	Sandstone & Little Limestone - Clay layers	
42-48	Sandstone & Little Limestone - Clay layers	
48-54	Sandstone & Little Limestone - Clay layers	
54-60	Sandstone & Little Limestone - Clay layers	
60-66	Sandstone & Little Limestone - Clay layers	
66-72	Sandstone & Little Limestone - Clay layers	
72-78	Sandstone & Little Limestone - Clay layers	
78-84	Sandstone & Little Limestone - Clay layers	
84-90	Sandstone & Little Limestone - Clay layers	
90-96	Sandstone & Little Limestone - Clay layers	
96-102	Sandstone & Little Limestone - Clay layers	
102-108	Sandstone & Little Limestone - Clay layers	
108-114	Sandstone & Little Limestone - Clay layers	
114-120	Sandstone & Little Limestone - Clay layers	
120-126	Sandstone & Little Limestone - Clay layers	
126-132	Sandstone & Little Limestone - Clay layers	
132-138	Sandstone & Little Limestone - Clay layers	
138-144	Sandstone & Little Limestone - Clay layers	
144-150	Sandstone & Little Limestone - Clay layers	
150-156	Sandstone & Little Limestone - Clay layers	
156-162	Sandstone & Little Limestone - Clay layers	
162-168	Sandstone & Little Limestone - Clay layers	
168-174	Sandstone & Little Limestone - Clay layers	
174-180	Sandstone & Little Limestone - Clay layers	
180-186	Sandstone & Little Limestone - Clay layers	
186-192	Sandstone & Little Limestone - Clay layers	
192-198	Sandstone & Little Limestone - Clay layers	
198-204	Sandstone & Little Limestone - Clay layers	
204-210	Sandstone & Little Limestone - Clay layers	
210-216	Sandstone & Little Limestone - Clay layers	
216-222	Sandstone & Little Limestone - Clay layers	
222-228	Sandstone & Little Limestone - Clay layers	
228-234	Sandstone & Little Limestone - Clay layers	
234-240	Sandstone & Little Limestone - Clay layers	
240-246	Sandstone & Little Limestone - Clay layers	
246-252	Sandstone & Little Limestone - Clay layers	
252-258	Sandstone & Little Limestone - Clay layers	
258-264	Sandstone & Little Limestone - Clay layers	
264-270	Sandstone & Little Limestone - Clay layers	
270-276	Sandstone & Little Limestone - Clay layers	
276-282	Sandstone & Little Limestone - Clay layers	
282-288	Sandstone & Little Limestone - Clay layers	
288-294	Sandstone & Little Limestone - Clay layers	
294-300	Sandstone & Little Limestone - Clay layers	

Est. CPM 500-700

Driller

Customer's Signature

GROSCH IRRIGATION CO., Inc.

O'Neill, Nebraska 68103

Test wells (at \$1.00 a foot) are due and payable in 90 days unless arrangements have been made for the completion of the irrigation well.

Date 4-14-82

Name Marvin Reagle

Address Leo M. Reagle

Location SE 1/4 31-37-28

Sec. 2 Twp. 31 Range 28
(locate test with "X")
feet from _____ line.
feet from _____ line.

TEST LOG

Footage	Description	Drilling Notes
0-2	Top Soil	#2
2-22	Sandstone & Limestone & Clay layers	
22-47	Sandstone & Fine Sand & Little Clay layers	
47-54	Sandstone & Clay layers	
54-67	Medium Sand	(7)
67-75	Med. Sharp Pepper Sand	(7)
75-77	Med. Sand & Limestone layers	(1)
77-92	Fine Sand & Sandstone & Little LS-Clay layers	(2)
92-98	Clay	
98-124	Sandstone	(26)
124-135	Clay & Sandstone	
135-198	Med. Sharp Pepper Sand	(63)
198-204	Fine Sand & Little Clay layers	(4)
204-222	Fine Sharp Pepper Sand	(18)
222-234	Fine Sand & Little Limestone - Clay layers	(10)
234-240	Red Rock	

Est. GPM 700-900

Driller

Customer's Signature

Bot

GROSCH IRRIGATION CO., Inc.

O'Neill, Nebraska 68103

Test wells (at \$1.00 a foot) are due and payable in 90 days unless arrangements have been made for the completion of the irrigation well.

Date April 14, 1982

Name Marvin Reagle

Address Leo M. Reagle

Location NE 1/4 31-37-28

Sec. 2 Twp. 31 Range 28
(locate test with "X")
feet from _____ line.
feet from _____ line.

TEST LOG

Footage	Description	Drilling Notes
0-2	Top Soil	#1
2-13	Sand	
13-24	Sandstone & Limestone & Clay	
24-42	Sandstone & Few Little Clay layers	(15)
42-50	Sandstone & Little Clay layers	(8)
50-69	Clay	
69-152	Med. Sharp Pepper Sand	(83)
152-169	Fine Sharp Pepper Sand & Little Sandstone	(17)
169-176	Soft Sand & Little Clay layers	
176-180	Red Rock	

Est. GPM 700-900

Driller

Customer's Signature

Bot

State of South Dakota
Water License No. 1565-2

(1) Leo Reagle
of 520 N. Haley, Valentine, Nebraska 69201
made Application No. 1565-2, March 4, 1977 for a water permit to appropriate
14.2 cubic feet per second of water from groundwater (6 wells)
Todd County, South Dakota for Irrigation purposes.
Permit No. 1565-2, with a priority date of March 4, 1977
was approved November 30, 1977 and issued to applicant(s) for diversion of water with construction of the described
water supply system to be completed on or before November 30, 1982 and for the application to beneficial use of said
water on or before November 30, 1982.

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 7.6 cubic feet per second of water
for beneficial use. The location of the diversion point(s) is are Well #1 - 1150'W and 400'S of NE
Corner of Section 31; Well #2 - 1340'W and 1440'N of SE Corner of Section 31; Well #3
1250'E and 1350'N of SW Corner of Section 32; Well #4 - 1450'W and 1300'N of SE
Corner of Section 32; all in T37N, R28W

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 T37N, R28W

Section 30	SW $\frac{1}{4}$ SE $\frac{1}{4}$	12.1 Acres	(DC)	Section 32	NW $\frac{1}{4}$ SW $\frac{1}{4}$	40.00 Acres	(CB)
	SE $\frac{1}{4}$ SE $\frac{1}{4}$	13.4 Acres	(DD)		NE $\frac{1}{4}$ SW $\frac{1}{4}$	40.00 Acres	(CA)
Section 31	NW $\frac{1}{4}$ NE $\frac{1}{4}$	26.6 Acres	(AB)		SW $\frac{1}{4}$ SW $\frac{1}{4}$	40.00 Acres	(CC)
	NE $\frac{1}{4}$ NE $\frac{1}{4}$	38.8 Acres	(AA)		SE $\frac{1}{4}$ SW $\frac{1}{4}$	40.00 Acres	(CD)
	S $\frac{1}{2}$ NE $\frac{1}{4}$	2.0 Acres	(AC)		NW $\frac{1}{4}$ SE $\frac{1}{4}$	40.00 Acres	(DB)
	SE $\frac{1}{4}$ NE $\frac{1}{4}$	6.0 Acres	(AD)		NE $\frac{1}{4}$ SE $\frac{1}{4}$	40.00 Acres	(DA)
	NW $\frac{1}{4}$ SE $\frac{1}{4}$	35.5 Acres	(DB)		SW $\frac{1}{4}$ SE $\frac{1}{4}$	40.00 Acres	(DC)
	NE $\frac{1}{4}$ SE $\frac{1}{4}$	35.9 Acres	(DA)		SE $\frac{1}{4}$ SE $\frac{1}{4}$	40.00 Acres	(DD)
	SW $\frac{1}{4}$ SE $\frac{1}{4}$	32.4 Acres	(DC)		TOTAL	554.00	ACRES
	SE $\frac{1}{4}$ SE $\frac{1}{4}$	31.3 Acres	(DD)				

(4) Pursuant to §46-5-30.1 Leo Reagle
of 520 N. Haley, Valentine, Nebraska 69201
the holder(s) and or owner(s) of Water Permit No. 1565-2 is issued a license to appropriate water, the right to use
7.6 cubic feet per second of water from groundwater (four wells) with a priority date
of March 4, 1977 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. 1565-2 and subject
to South Dakota State Law.

John Hatch
Chief Engineer, Water Rights Division
Department of Water and Natural Resources

JOHN HATCH

January 23, 1985

RECEIPT

Division of Water Rights

No 4 9889

South Dakota Department of Water and Natural Resources

Pierre, January 14, 1984

RECEIVED OF Leo H. Reagle, 520 North Haley, Valentine, NE 69201

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. 1565-2	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 (MS)

No. 1565-2

SOUTH DAKOTA
Department of
Water & Natural Resources
Joe Foss Building,
523 East Capitol
Pierre, South Dakota 57501
WATER RIGHTS DIVISION
Phone (605) 773-3352

January 23, 1985

Leo Reagle
520 N. Haley
Valentine, Nebraska 69201

Dear Mr. Reagle:

Enclosed herewith is, Water License No. 1565-2. 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
JOHN HATCH, Chief Engineer
Water Rights Division

JH:

Enclosures

WNR-817 3/83
Transmittal of Water License



January 29, 1993

NOTICE

DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

TO: LEO H. REAGLE
530 HALEY ST
VALENTINE NE 69201

FROM: Ron Duvall, Natural Resources Engineer IV
for JOHN HATCH, Chief Engineer
Water Rights Division

RE: Violation of Water Permit No(s) 861-2 & 1565-2, 1950-2 and 1992 Irrigation
Questionnaire Requirements

Our records indicate that the 1992 Irrigation Questionnaire has not been submitted for Permit No(s) 861-2 & 1565-2, 1950-2. The request for the Questionnaires was dated October 16, 1992. The Water Management Board has directed that owners of water permits who have not submitted the 1992 Irrigation Questionnaire be given notice of permit violation and a hearing to be held by the Board. The hearing held by the Board will be to determine if Permit No(s) 861-2 & 1565-2 should be amended to require the Questionnaire to be submitted each year and to determine action to be taken for violation of Water Permit No(s) 1950-2 qualification:

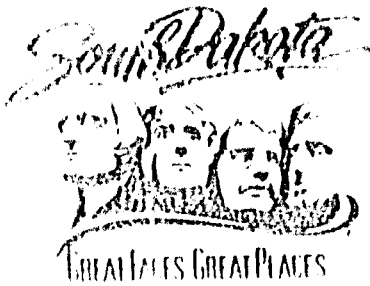
"This permit is approved subject to the Irrigation Water Use Questionnaire being submitted each year."

The hearing will be held at 9:30 am, March 3, 1993, at the Floyd Matthew Training Center, Joe Foss Building, 523 E Capitol, Pierre SD and will be conducted pursuant to SDCL 46-1-12, 46-1-13, 46-2-9, 46-2-11 and 46-2-17. These are contested case hearings pursuant to SDCL 4-2-26. According to SDCL 46-1-12, the Board may suspend a permit for a period of up to one year for the first violation of a permit qualification or up to three years for a second violation, or cancel a permit for a third violation. Following the hearing, the Water Management Board can:

1. Suspend or cancel Permit No(s) 1950-2 in accordance with applicable provisions of SDCL 46-1-12;
2. Amend Permit No(s) 861-2 & 1565-2 to require the Irrigation Water Use Questionnaire to be submitted each year;
3. Postpone any action or take no action.

The hearing is an adversary proceeding. The permit owner has the right to be present or to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised. Decisions of the Board may be appealed to the Circuit Court and the State Supreme Court as provided by law. Prior to February 22, 1993, contact the Water Rights Division, 523 E Capitol, Pierre SD 57501-3181 (605 773-3352) to assure access to the meeting room for the handicapped or to obtain an interpreter for the hearing impaired.

NOTE: If the questionnaires are received in this office before the March 3rd hearing date, you will no longer be in violation of your permit and your name will be deleted from the Board agenda.



1565-2

DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

February 26, 1993

861-2
1565-2
1950-2

Harvin Reagle
HC 14 Box 123
Valentine, ND 58201

Dear Mr. Reagle:

I am writing to acknowledge receipt of the 1992 irrigation questionnaires for Water Right Nos. 861-2, 1565-2 and 1950-2. You may disregard the January 29, 1993, Notice of Violation of Water Permit and 1992 Irrigation Questionnaire Requirements. The questionnaires were received in our office prior to the Water Management Board meeting, and have been deleted from the agenda.

Enclosed are three partially completed "Notice of Transfer of ownership" forms. You indicated on the questionnaires that the water rights should be transferred to your name. Please complete the forms and then sign them in the presence of a notary public. Upon completion, return the transfer forms to our office with a required filing fee of \$2.50 each (total of \$7.50).

If you have any questions, please contact me.

Sincerely,


Genny McHath
Natural Resources Analyst
Water Rights Division
(605) 773-3352

enclosures

NOTICE OF TRANSFER OF OWNERSHIP

1565-2

To: Chief Engineer
Water Rights Division, DENR
523 E. Capitol
Pierre, SD 57501-3181



No. 1565-2

Date: 4.2.93

I/We request that Water Right No. 1565-2

formerly owned by: Leo M Reagle, 520 Haley St, Valentine, NE 69201

be transferred to: (name & address) William L. Reagle

1211 S. 1st St, Pierre, SD 57501 (Telephone No) 605-378-3832

Title to the following described land(s)/property has been transferred as described above:

S 1/2 SE 1/4 Sec 30; E 1/2 Sec 31; S 1/2 Sec 32, all in T37N, R29W

I understand that the validity of Water Right No. 1565-2 has not been determined by this transfer action. If I/We have any questions on validity, I/We understand that only the Water Management Board has the authority to determine if a water permit/right is valid (see note).

You are requested to file this "Notice of Transfer" in the appropriate file at the Division of Water Rights, as evidence of the change of ownership.

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

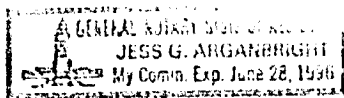
STATE OF SOUTH DAKOTA)

County of Lincoln)

I/We William L. Reagle being first duly sworn on my oath depose and say that my relation to the above described undertaking is that of Owner, that I have read the above foregoing statement, and that I know of my own personal knowledge that the information herein stated is true.

William L. Reagle
(Signed)

Subscribed and sworn to before me this 2nd day of April, 1993.



Jess G. Arganbright
(Notary Public)

NOTE: Water permits may be cancelled for nonconstruction within the five year construction period. Once a water permit is developed and the water used, the permit becomes a right. A water right may be lost for three reasons:

1. Abandonment - no intent to use water and use is abandoned.
2. Forfeiture - no use of water for three year period without legal excuse.
3. For a third violation of a condition of a water permit/right.

Division of Water Rights

Pierre, April 5, 1993

* Other information on terms for any other tendered as provided for by law;

By C. L. L.
Chief Engineer



April 6, 1993

1565-2

DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

No. 861-2
1565-2
1950-2

Barvin L. Reagle
HC 14, Box 124
Valentine, NE 69201

Dear Mr. Reagle:

Enclosed are receipts in the amount of \$2.50 each which you paid for the transfer of Water Right Nos. 861-2, 1565-2 and 1950-2.

Our records now show you as the owner of Water Right Nos. 861-2, 1565-2 and 1950-2.

Sincerely,

Cheryl F. Frost
Secretary
Water Rights Division
(605) 773-3352

enclosure



1565-2

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

February 7, 1995

MARVIN & BOBBI REAGLE
HC 14 BOX 124
VALENTINE NE 69201

NOTICE

RE: Violation of Water Permit No(s) 861-2 & 1565-2, 1353C-2 & 1950-2 and 1994 Irrigation Questionnaire Requirements

Our records indicate that the 1994 Irrigation Questionnaire has not been submitted for Permit No(s) 861-2 & 1565-2, 1353C-2 & 1950-2. The request for the Questionnaires was dated November 3, 1994. The Water Management Board has directed that owners of water permits who have not submitted the 1994 Irrigation Questionnaire be given notice of permit violation and a hearing to be held by the Board. The hearing held by the Board will be to determine if Permit No(s) 861-2 & 1565-2 should be amended to require the Questionnaire to be submitted each year and to determine action to be taken for violation of Water Permit No(s) 1353C-2 & 1950-2 qualification:

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

The hearing will be held at 9:30 am, March 8, 1995 in the Crown Room, 3rd Floor, Kings Inn Best Western Convention Center, 200 S Pierre, SD, and will be conducted pursuant to SDCL 46-1-12, 46-1-14, 46-2-9, 46-2-11 and 46-2-17. These are contested case hearings pursuant to SDCL 1-26. According to SDCL 46-1-12, the Board may suspend a permit for a period of up to one year for the first violation of a permit qualification or up to three years for a second violation, or cancel a permit for a third violation. Following the hearing, the Water Management Board can:

1. Suspend or cancel Permit No(s) 1353C-2 & 1950-2 in accordance with applicable provisions of SDCL 46-1-12;
2. Amend Permit No(s) 861-2 & 1565-2 to require the Irrigation Water Use Questionnaire to be submitted each year;
3. Postpone any action or take no action.

The hearing is an adversary proceeding. The permit owner has the right to be present or to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised. Decisions of the Board may be appealed to the Circuit Court and the State Supreme Court as provided by law.

If the questionnaires are received in this office on or before March 3, 1995, you will no longer be in violation of your permit and your name will be deleted from the Board agenda.

Very truly yours,

Ron Duvall, Natural Resources Engineer IV
Water Rights Division
605 773-3352



1565-2

DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

February 23, 1995

861-2
1353C-2
1565-2
1950-2

Marvin & Bobbie Reagle
HC 14 Box 124
Valentine, NE 69201

Dear Mr. & Mrs. Reagle:

I am writing to acknowledge receipt of your 1994 irrigation questionnaires and chemigation report. You may disregard the February 7, 1995, Notice of Violation of Water Permit and 1994 Irrigation Questionnaire Requirements and the Notice of Failure to Report Chemical Use.

The questionnaires and chemical reporting form were received in our office prior to the Water Management Board meeting and your names have been deleted from the agenda.

If you have any questions, please contact me.

Sincerely,

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

Map # ~~1336-2~~ Appl. # 1565-2

40.2

(1-78)

77.0

77.3

5.9

21

15.9

Mary
Peterson

See
Reo gl

37-28

Map #s 1336-2
WR# 1565-2

37-78
(1-76)

54.6
47.2
13.1

84.6

26.5

0.9

47.2

17

16.9

19.0

Harland Schenck

16.9

13.5

13.1

23

37-78

(1-80)

143.5

Leo Proger

• 33

Ant Proger

H 11

Possibly

+

130 AC.

37-28

54.7

(1-78)

10

130 Ac.

.28

Ant Range

Ant Range

87.8

37-28

12.9

(1-78)

42.2

52.1

Leo Rogli

29

10.4

13.7

John Bruns

95.2

Leo Rogli

37-28

37-28

(1-103)

Many
Ponds

30

19.4

37-28

9

on Map
↓ with Sec #31

↑
G1 Map
with sec #30

130 ac

#9

31/2
Reserve

100

#8

47.6

PCS.

130

37-28

617

(1-20)

951

John
Baird

Leo
Reagle

Leo Reagle

•32

156.0

#7

130 ac
*
well

If Possible

possible
overlap

Leo
Reagle

AS big

well as possible

in Flat

*
150 ac

#6

31-28

NOT TO SCALE

61.7

Robert
BRINDA

89.4
89.4

Leo
Reagle
R 32

156.0



WELL #3



WELL #4

Big gun used on these
two quarters.

100L

37-28

82.6

123.1

[Signature]
Natural Resource Eng.

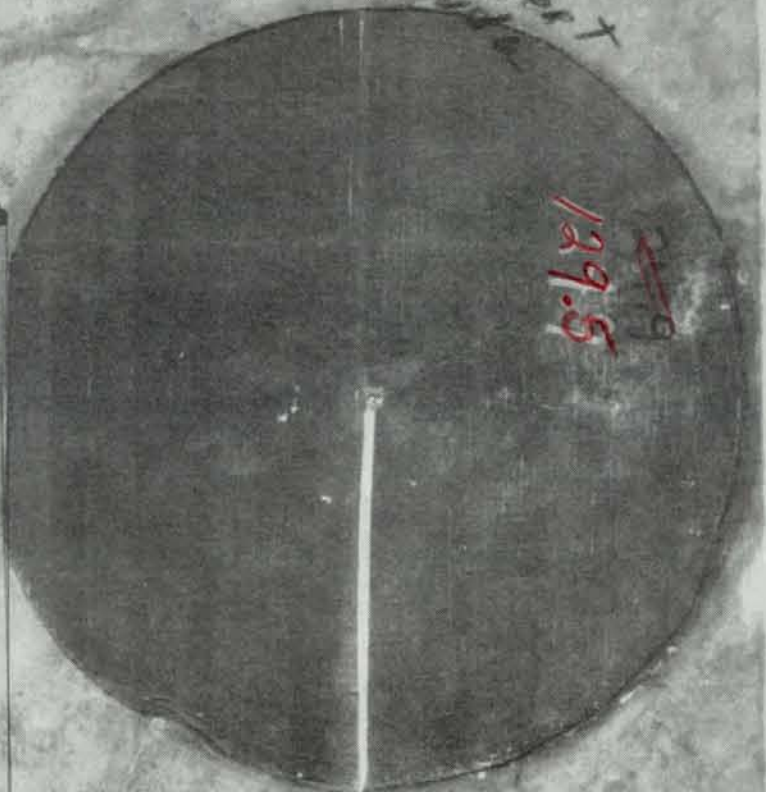
1565-2

NOT TO SCALE

37-28

Pivot
BR

129.5



30



16.1

400 yd

177

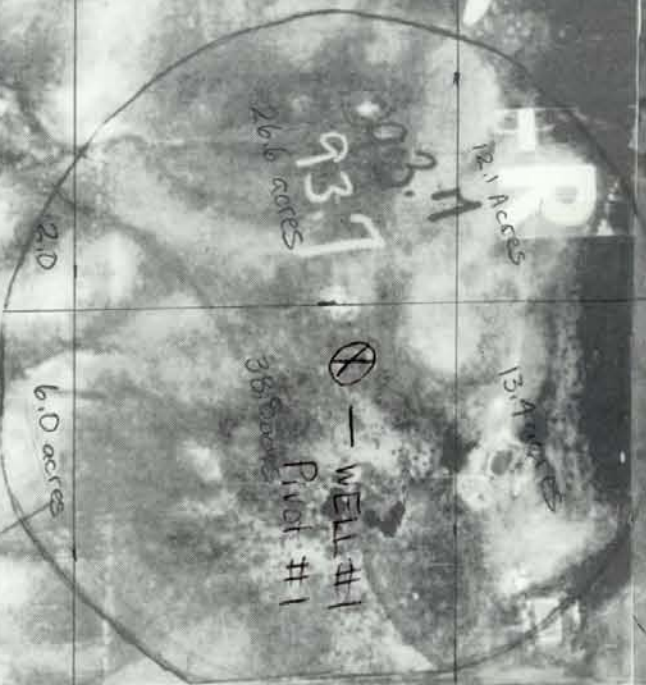
122

12.1 acres

13.1 acres

93.7

36.5 acres



2.0

6.0 acres

31

35.5 AC

35.9 AC

32.4 AC

31.3 AC

(C)

The pivot in the SE4 does not cross the quarter line but the big gun does squirt over the quarter line but not as much as depicted

⊗ — WELL #2

Pivot #2



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
PMB 2020
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

November 17, 2009

Bobbi Reagle
149 S Western
Valentine NE 69201

RE: Water Right Nos. 861-2, 1353B-2, 1353C-2, 1565-2 and 1950-2

Thank you for the return of the 2009 irrigation questionnaires for the above listed water rights. It is my understanding from the notation you made on all the forms that you now own the land described in the water rights.

Enclosed are partially completed Notice of Transfer of Ownership forms for filing the ownership changes. Please review the forms and make any necessary corrections. Upon completion, please sign and return them to our office with a required filing fee of \$50.00 each (total of \$250.00). The check or money order for the fee can be made payable to the Water Rights Program.

If you have any questions, please contact me.

Sincerely,

A handwritten signature in black ink that reads "Genny McMath". The signature is written in a cursive, flowing style.

Genny McMath
Environmental Scientist
Water Rights Program
(605) 773-3352
email: genny.mcmath@state.sd.us

NOTICE OF TRANSFER OF OWNERSHIP

RECEIVED

NOV 24 2009

WATER RIGHTS
PROGRAM

To: Chief Engineer
Water Rights Program, DENR
523 E. Capitol
Pierre, SD 57501-3181

No. 1565-2

Date:

11/23/09

I/We request that Water Right No. 1565-2

formerly owned by: Marvin L Reagle

be transferred to: (name & address) Bobbi Reagle, 149 S Western, Valentine NE 69201

Telephone No. 402 376-4860

Title to the following described land(s)/property has been transferred as described above:

554 acres – S ½ SE ¼ Section 30; E ½ NE ¼, SW ¼ NE ¼, SE ¼ Section 31; S ½ Section 32, all in

T37N, R28W

I/We understand that the validity of Water Right No. 1565-2 has not been determined by this transfer action. If I/We have any questions on validity, I/We understand that only the Water Management Board has the authority to determine if a water permit/right is valid (see note).

You are requested to file this "Notice of Transfer" in the appropriate file with the Water Rights Program, as evidence of the change of ownership.

A fee of Fifty Dollars (\$50.00) is required to cover the filing fees as required under SDCL 46-2-13. This form must be signed by the new owner.

I/We Bobbi Reagle, the new owner, certify that the above information is true and correct.


(Signed by new owner)

NOTE: Water permits may be cancelled for nonconstruction after the five year construction period has expired. Once a water permit is developed and the water used, the permit becomes a right. A water right may be lost for three reasons:

1. Abandonment - no intent to use water and use is abandoned.
2. Forfeiture - no use of water for three year period without legal excuse.
3. For a third violation of a condition of a water permit/right.

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

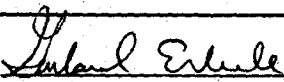
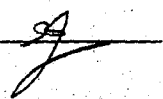
Date 11/24, 2009

RECEIVED OF Bobbi Reagle 149 S Western Valentine NE 69201

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

Fee for Application for Permit No. _____ to Appropriate Water, to construct and to put water to beneficial use	50 00	
Fee for Application for Permit No. _____ to Appropriate Water for Future use		
Fee to retain Future Use Permit No. _____ after period of seven years.		
Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water License No. _____		
Fee for Filing Transfer Form <u>1565-2</u>		
Fee for _____		
Fee for Issuing New Well Driller's License No. _____ for C.Y. _____		
Fee for Renewal of Well Driller's License No. _____ for C.Y. _____		
Fee for Issuing Well Pump Installer's License No. _____ for C.Y. _____	50 00	
Fee for Renewal of Well Pump Installer's License No. _____ for C.Y. _____		
(Any Other Work Provided by Law)	TOTAL	50 00

No. 04252

By 
Chief Engineer 



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
PMB 2020
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

November 24, 2009

Bobbi Reagle
149 S Western
Valentine NE 69201

RE: Water Right Nos. 861-2, 1353B-2, 1353C-2, 1565-2 and 1950-2

I am writing to acknowledge receipt of the ownership changes you filed for the above listed Water Rights. The transfers have been completed and the water rights are now listed in your name.

Enclosed are your Receipt Nos. 04248, 04249, 04250, 04251 and 04252 in the amounts of \$50.00 each which you paid for filing the ownership changes. You may keep these for your records.

If you have any questions, please contact me.

Sincerely,

A handwritten signature in black ink that reads "Genny McMath". The signature is written in a cursive, flowing style.

Genny McMath
Environmental Scientist
Water Rights Program
(605) 773-3352
email: genny.mcmath@state.sd.us

enclosures

1545-2

BOBBI REAGLE
149 SOUTH WESTERN STREET
VALENTINE, NE 69201
402-376-4860

RECEIVED

JAN 18 2013

WATER RIGHTS
PROGRAM

January 16, 2013

Dept. of Environment &
Natural Resources
Att: Eric Gronlund
PMB 2020
Joe Foss Building
523 East Capitol
Pierre, SD 57501-3182

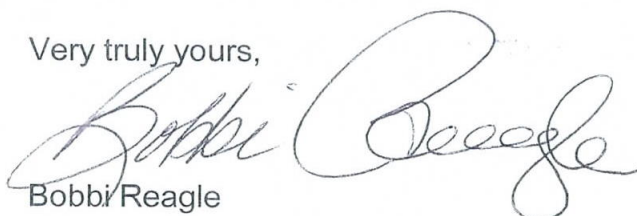
Dear Mr. Gronlund:

I would like to request a permit for a helper well on my farm in Todd County, South Dakota. I would like to dig a helper well on the SW1/4 of Section 32, Township 37 North, Range 28, West of the 6th P.M., in Todd County, South Dakota.

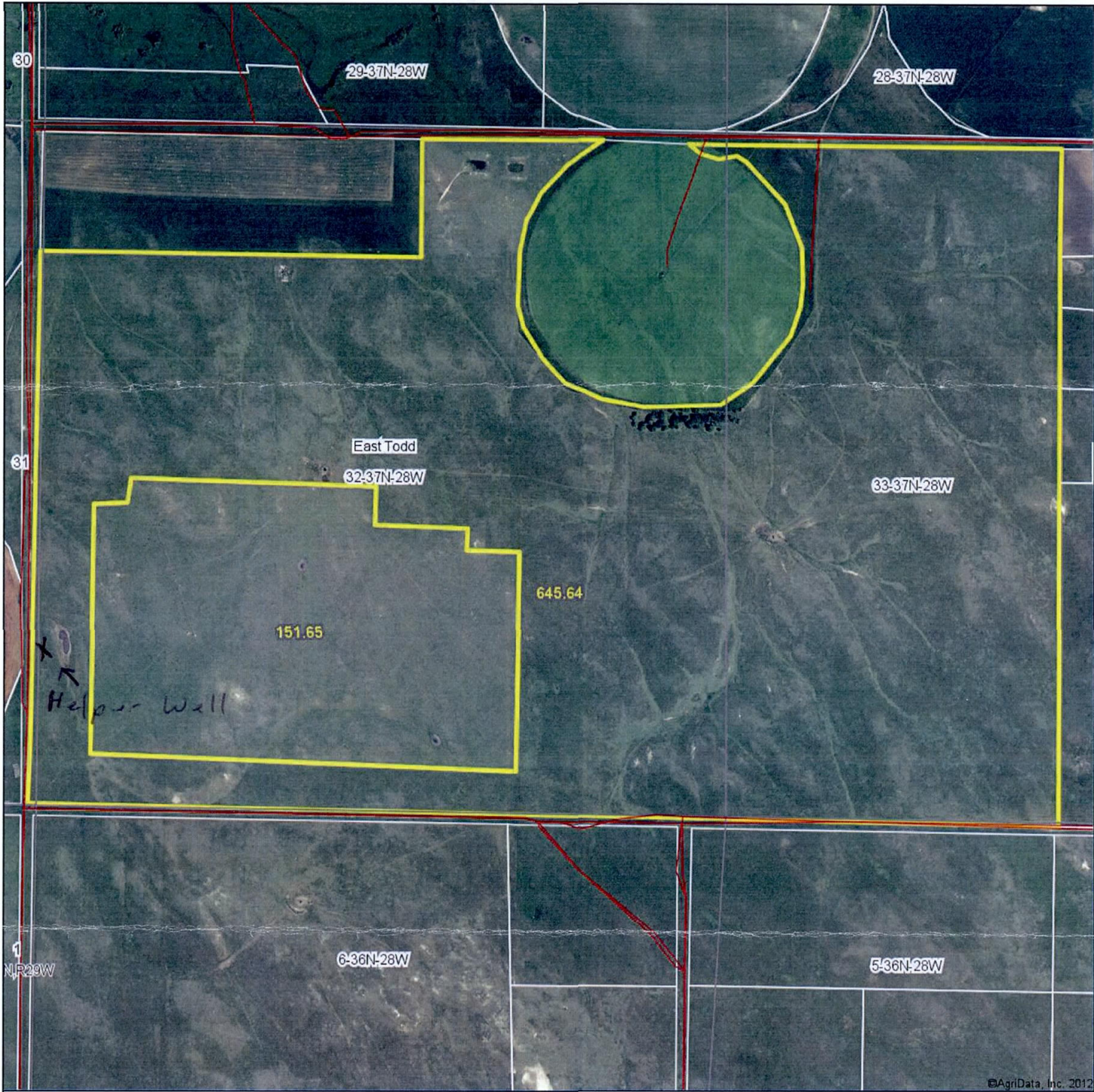
A map is enclosed that shows the proposed site where I would like to drill the helper well.

If you have any questions, please feel free to call me at 402-376-4860. Thank you for your consideration.

Very truly yours,


Bobbi Reagle

Aerial Map



©AgriData, Inc. 2012

map center: 43° 8' 5.41, 100° 39' 15.01
scale: 12706

32-37N-28W
Todd County
South Dakota



1/16/2013

Maps provided by:
 **surety**
CUSTOMIZED ONLINE MAPPING

©AgriData, Inc. 2012
www.AgriDataInc.com

Field borders provided by Farm Service Agency as of 5/21/2008. Aerial photography provided by Aerial Photography Field Office.



1565-2

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

denr.sd.gov

April 16, 2013

Bobbi Reagle
149 South Western Street
Valentine NE 69201

Ms. Reagle:

Water Right No. 1565-2 appropriates 7.6 cubic feet of water per second from four wells completed into the Ogallala Aquifer for irrigation of 554 acres in Todd County. The well locations as listed on the water license are as follows:

Well No. 1- 1150 feet west and 400 feet south of the NE corner of Section 31, T37N, R28W

Well No. 2 - 1340 feet west and 1440 feet north of SE corner of Section 31, T37N, R28W

Well No. 3 - 1250 feet east and 1350 feet north of the SW corner Section 32, T37N, R28W

Well No. 4 - 1450 feet west and 1300 feet north of the SE corner Section 32, T37N, R28W

The acreage authorized for irrigation is the S $\frac{1}{2}$ SE $\frac{1}{4}$ Section 30, E $\frac{1}{2}$ Section 31 and S $\frac{1}{2}$ Section 32; all in T37N, R28W.

The request is for authorization to complete an additional well to be located in the SW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 32, T37N, R28W. This will be a helper well to assist in supplying water to the pivot in the SW $\frac{1}{4}$ of this section.

Upon review of the request and pursuant to SDCL 46-5-13.1, the additional well location is authorized without application or publication of a notice of hearing pursuant to SDCL 46-2A-4. No increase in the authorized diversion rate of 7.6 cubic feet of water per second (3,410 gpm) from the Ogallala Aquifer is authorized. If the total diversion rate increases above 7.6 cfs, a new water right permit will need to be obtained.

If you have any questions, please contact Eric Gronlund at (605) 773-3352.

Sincerely,

Jeanne Goodman, Chief Engineer
Water Rights Program

Approval of Additional Diversion Point

NAME: Water Right No. 1565-2, Bobbi Reagle
ADDRESS: 149 South Western Street, Valentine NE 69201
DATE: April 15, 2013 **COUNTY:** Bennett **TELEPHONE:**

BACKGROUND:

Water Right No. 1565-2 appropriates 7.6 cubic feet of water per second from four wells completed into the Ogallala Aquifer for irrigation of 554 acres in Todd County. The well locations as listed on the water license are as follows:

Well No. 1- 1150 feet west and 400 feet south of the NE corner of Section 31, T37N, R28W
Well No. 2 - 1340 feet west and 1440 feet north of SE corner of Section 31, T37N, R28W
Well No. 3 – 1250 feet east and 1350 feet north of the SW corner Section 32, T37N, R28W
Well No. 4 – 1450 feet west and 1300 feet north of the SE corner Section 32, T37N, R28W

The acreage authorized for irrigation is the S $\frac{1}{2}$ SE $\frac{1}{4}$ Section 30, E $\frac{1}{2}$ Section 31 and S $\frac{1}{2}$ Section 32; all in T37N, R28W.

Ms. Reagle filed a request for an additional well to be used as a helper well for irrigation of the SW $\frac{1}{4}$ Section 32, T37N, R28W. The additional well is to be located in the SW $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 32 right along the boundary between Sections 31 and 32.

The attached map shows the location of the requested additional well, existing wells authorized by Water Right No. 1565-2, nearest domestic wells on file and observation well TD-76G.

AUTHORITY:

Pursuant to SDCL 46-5-13.1, the location of a diversion point may be changed or additional diversion points may be licensed provided the following conditions are met and the potential for interference with other existing diversions is not increased:

Developed water source same as permitted source and no additional water appropriated

The water source authorized by Water Right No. 1565-2 is the Ogallala Aquifer. The existing wells to supply Water Right No. 1565-2 are 180 to 240 feet deep. It is anticipated that this additional well would be in the same range and be in the Ogallala Aquifer.

No additional appropriation of water is requested. The water right is limited to a diversion rate of 7.6 cfs (3410 gpm) from the four wells. The additional well is to bring production back to the authorized amount and allow efficient irrigation of the SW $\frac{1}{4}$ Section 32, T37N, R28W using five wells instead of four wells. A new water permit is required if the combined diversion rate from the five wells exceeds 7.6 cfs.

Review of Existing Diversions

The well completion report and water rights databases were reviewed for the nearest domestic wells and water right on file.

The nearest domestic wells on record are located approximately 3,500 feet west and 3,950 feet northwest of the additional well being requested. Other domestic wells in the area are over 7,000 feet away.

The nearest wells to the requested additional well are the other wells authorized by Water Right No. 1565-2. The nearest water rights held by landowners other than Bobbi Reagle are:

No.	Holder	Use	CFS	Distance from Additional well
1286-2	Hill	IRR	1.90 cfs	8,020 feet SW
1353E-2	Danielski	IRR	1.70 cfs	8,200 feet N

See map for location of existing domestic and permitted wells.

Observation Well Data

The nearest observation well is TD-76G which is located 7,175 feet northwest of the additional well. This observation well is located within one mile of a number of irrigation wells. Water levels over the period of record fluctuate a total of five feet from 25 to 30 feet below land surface and show only a minor fluctuation as a result of area pumping. Interference is not expected to be a significant. The hydrograph for TD-76G is attached.

CONCLUSION

- The additional well does not seek to appropriate additional water.
- The well is completed into the Ogallala Aquifer.
- Given the distance from domestic and existing water rights, interference is not expected to be a concern.
- The authorization of this additional well shall include that the total diversion rate shall not exceed 7.6 cfs.

RECOMMENDED ACTION

Based on the above criteria, it is recommended that the additional diversion point location be authorized under Water Permit No. 1565-2.



Eric Gronlund
Water Rights Program

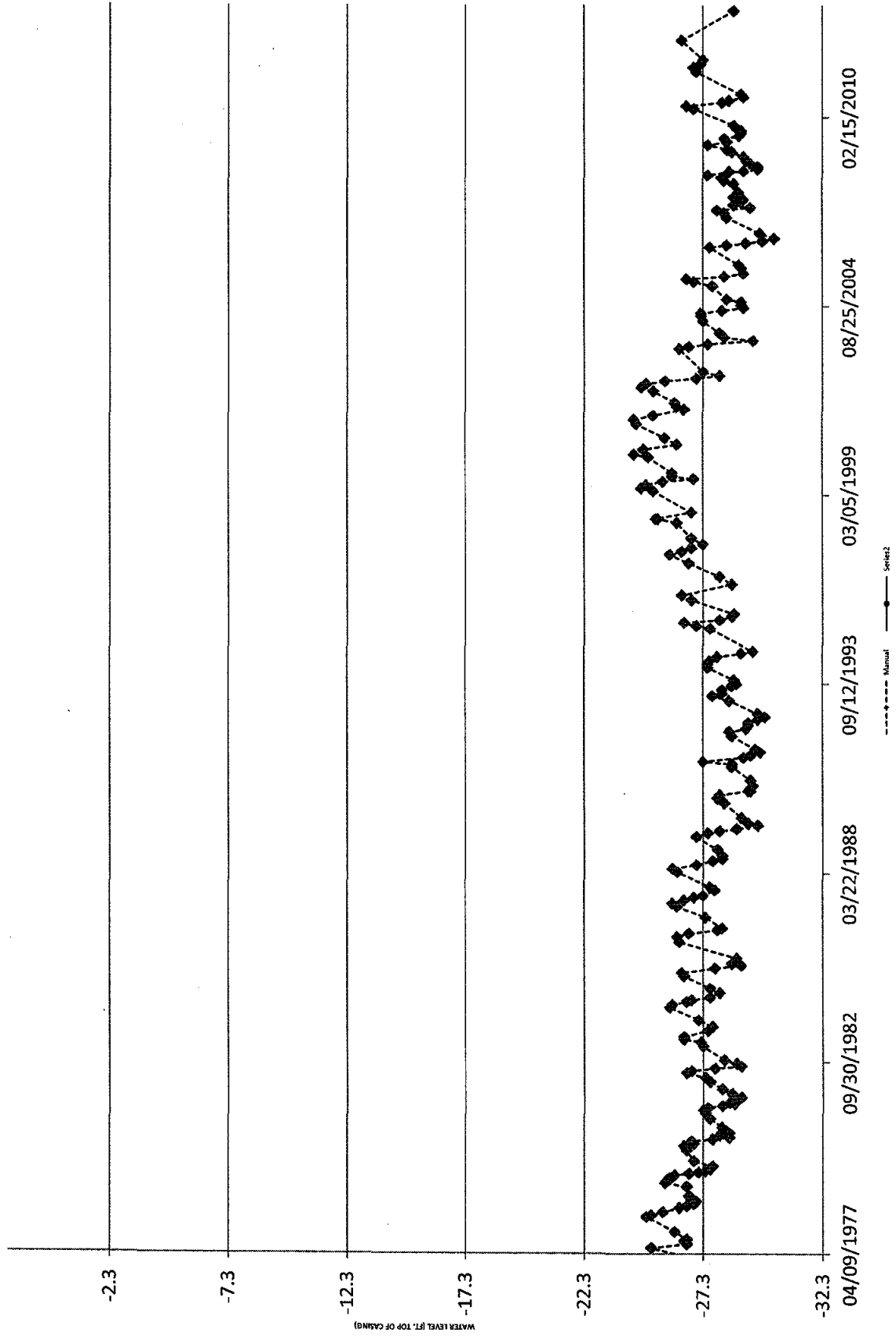
The Chief Engineer makes a finding pursuant SDCL 46-5-13.1 and ARSD 74:02:01:14.01 that:

This additional diversion point does not increase the potential for adverse effects to existing diversions.

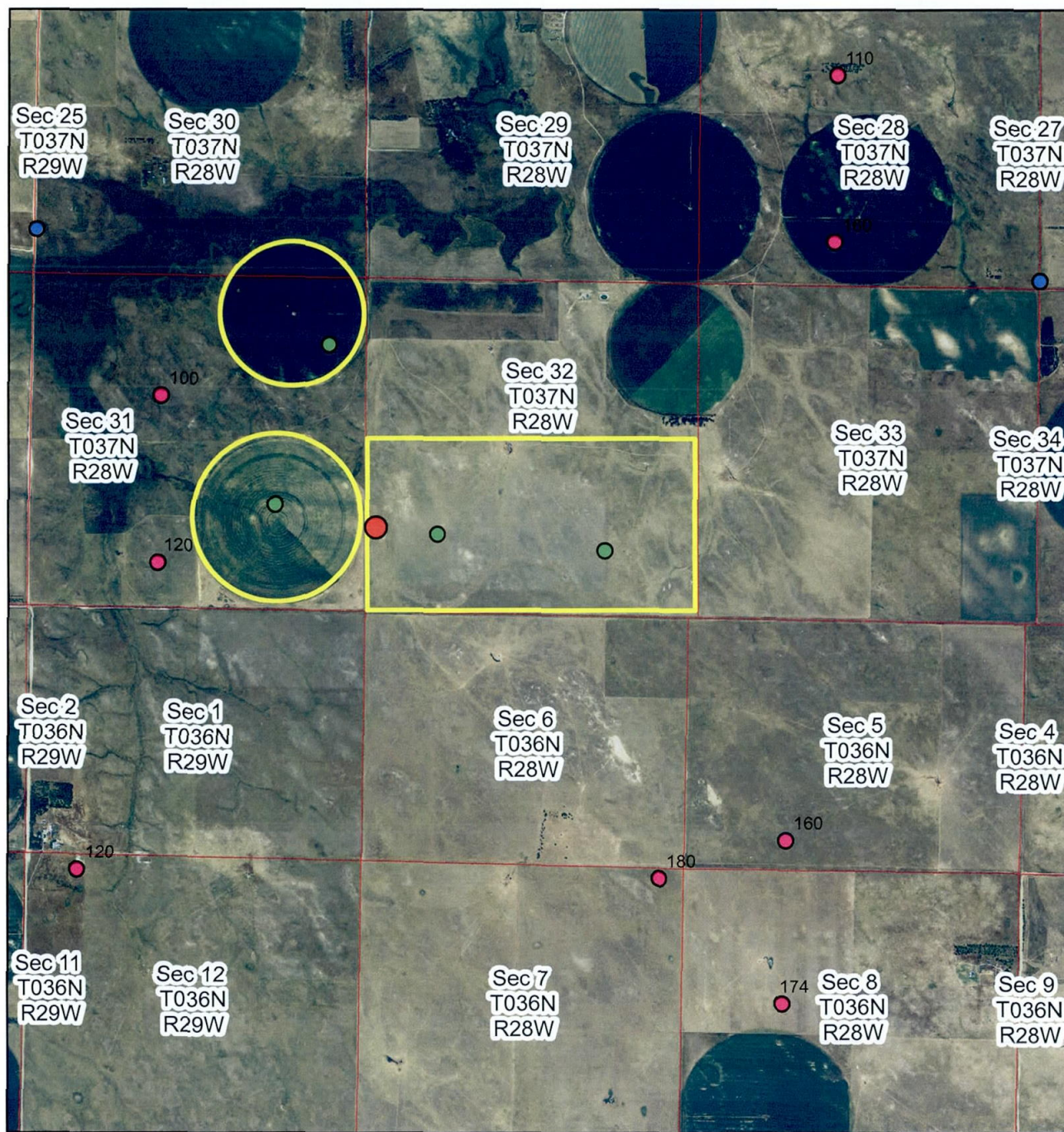


Jeanne Goodman, Chief Engineer
Water Rights Program

WATER RIGHTS' OBSERVATION WELL TD-76G



Water Right No. 1565-2, Bobbi Reagle



0 0.15 0.3 0.6 0.9 1.2 Miles

● proposed additional well



acres authorized by WR No. 1565-2

● wells authorized by WR 1565-2

● domestic/stock wells on file

● observation well TD-76G



1565-2



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
PMB 2020
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3182
<http://denr.sd.gov>

October 22, 2013

Bobbi Reagle
302 E 5th St
Valentine NE 69201 2206

RE: Water Right Nos. 861-2, 1353D-2, 1565-2, 1950-2

Dear Ms. Reagle:

Enclosed is a "Notice" dated October 18, 2013 concerning the 2013 irrigation questionnaires.

The notice was originally mailed to 149 S Western, Valentine NE. The post office notified us that your address has changed and I will update our records accordingly.

If you have any questions, please contact me.

Sincerely,

A handwritten signature in cursive script that reads 'Genny McMath'.

Genny McMath
Water Rights Program
(605) 773-3352
email: genny.mcmath@state.sd.us

enclosures

SOUTH DAKOTA WATER WELL COMPLETION REPORT

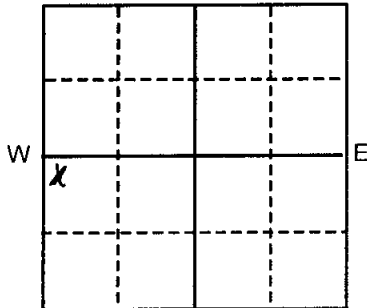
11-02

Location NW ¼ SW ¼ Sec 32 Twp 27 Rg 28

37

County TODD

North

Please mark well
location with an "X"

Well Completion Date

June 12, 2013

1 Mile

Distance to nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)?
ft. from (identify source)

PROPOSED USE:

☐ Domestic/Stock ☐ Municipal ☐ Business ☐ Test holes
☒ Irrigation ☐ Industrial ☐ Institutional ☐ Monitoring well

METHOD OF DRILLING:

REVERSE ROTARY

CASING DATA:

☐ Steel ☒ Plastic ☐ Other

If other describe

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
20.0 LB/FT	16.00 IN	1.0 FT	90.0 FT	28.00 IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
CEMENT	50	15.5 Lb/gal	20.0 Ft	0.0 Ft
		Lb/gal	Ft	Ft

Describe grouting procedure

PUMPED TREMIE PIPE

SCREEN:

☒ Perforated pipe ☐ Manufactured

Diameter 16.00 Inches Length 150.0 Feet

Material PVC

Slot Size .080 Set From 90.0 Feet to 240.0 Feet

Other information

WAS A PACKER OR SEAL USED?

☐ Yes ☒ No

If so, what material?

Describe packer(s) and location

DISINFECTION: Was well disinfected upon completion?

☒ Yes, How? HTH

☐ No, Why Not?
 Lab to which water
 quality sample sent for analysis

Well Owner: BOBBI REAGLE

Business Name:

Address: 149 S. WESTERN STREET

City, State, Zip: VALENTINE NE 69201

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
top soil	0	2
fine sand, sandstone w/ clay	2	24
sand, sand w/ clay & sandstone	24	66
sandstone, limestone layers, clay	66	112
sand, sandstone, clay	112	172
sand - clay layers	172	194
sand w/ clay - sandstone layers	194	216
red rock	216	240

STATIC WATER LEVEL 60.0 FEET

If flowing: closed in pressure PSI

GPM flow through Inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

Reduced flow rate GPM

Can well be completely shut in?

WELL TEST DATA:

☒ Pumped Describe:

☐ Bailed

☐ Other

Pumping Level Below Land Surface

216.0 Ft. After 2.0 Hrs. pumped 500.0 GPM

196.0 Ft. After 2.0 Hrs. pumped 450.0 GPM

If pump installed, pump rate: 500.0 GPM

REMARKS

RECEIVED

AUG 19 2013

WATER RIGHTS
PROGRAM

This well was drilled under license # 189 and this report is true and accurate.

Drilling firm: GROSCH IRRIGATION CO., INC.

Signature of License Representative:

Signature of Well Owner or Equitable Property Holder:

Date:

NOTICE OF TRANSFER OF OWNERSHIP

For assistance call (605) 773-3352

Mail to: SD DANR, Water Rights Program
523 E Capitol Ave
Pierre, SD 57501-3182

Water Right/Permit No. 1565-2

Date: 1-20-26

I/We request that Water Right/Permit No. 1565-2 formerly owned by:
Bobbi Reagle - Valentine NE

PAID
FEB 12 2026
Ck# 3073
Rec't# _____
RECEIVED
FEB 13 2026
OFFICE OF
be transferred to: WATER

New Owner Name: Gudgel Land & Cattle LLC
Address: 29712 286th Ave mobile: 605-730-4028
City, State, Zip Valentine, NE, 69201 email: dan.gudgel@yahoo.com

Title to the following described land(s)/property has been transferred as described above:

554 acres located in portions of Secs 30, 31, and 32; all in T37N-R28W

☒ I understand that the validity of Water Right/Permit No. 1565-2 has not been determined by this transfer action. If I have any questions on validity, I understand that only the Water Management Board has the authority to determine if a water right/permit is valid (see note below).

You are requested to file this "Notice of Transfer" in the appropriate file with the Water Rights Program, as evidence of the change of ownership.

A fee of Fifty Dollars (\$50.00) is included to cover the filing fee as required by SDCL 46-2-13.

I, Daniel Gudgel Gudgel Land & Cattle LLC, the new owner, certify that the above information is true and correct.


(signed by new owner)

NOTE: Water permits may be cancelled for nonconstruction after the five-year construction period has expired. Once a water permit is developed, an inspection is conducted to issue a water right license for the project as developed. A water permit/right may be cancelled for one or more of the following reasons:

1. Abandonment - no intent to use water and use is abandoned.
2. Forfeiture - no use of water for three-year period without legal excuse.
3. For a third violation of a condition of a water permit/right.

RECEIPT

WATER RIGHTS PROGRAM

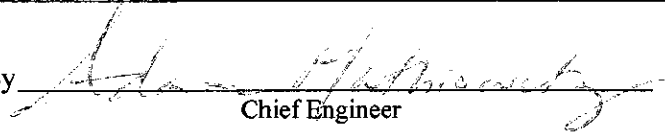
South Dakota Department of Agriculture and Natural Resources

Date February 12, 2026

RECEIVED OF Gudgel Land & Cattle LLC 29712 286th Ave Valentine, NE 69201

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

Fee for Application for Permit No. _____ to Appropriate Water, to construct and to put water to beneficial use	\$ _____
Fee for Application for Permit No. _____ to Appropriate Water for Future use	\$ _____
Fee to retain Future Use Permit No. _____ after period of seven years.	\$ _____
Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water License No. _____	\$ _____
Fee for Filing Transfer Form #1565-2 _____	\$50.00
Fee for _____	\$ _____
Fee for Issuing New Well Driller's License No. _____	\$ _____
Fee for Renewal of Well Driller's License No. _____	\$ _____
Fee for Issuing Well Pump Installer's License No. _____	\$ _____
Fee for Renewal of Well Pump Installer's License No. _____	\$ _____
(Any Other Work Provided by Law)	
TOTAL	\$50.00

By 

Chief Engineer



**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 E. CAPITOL AVE
PIERRE SD 57501-3182
danr.sd.gov

February 25th, 2026

1950-2, 861-2, 1565-2

Gudgel Land & Cattle LLC
C/O Daniel Gudgel
29712 286th Ave
Valentine, NE 69201

Dear Mr. Gudgel,

The South Dakota Water Rights Program is in receipt of the "Notice of Transfer of Ownership" forms and the required fees you submitted for Water Right Nos. 1950-2, 861-2, 1565-2. Enclosed are the receipts of payment for your records.

Water Right Nos. 1950-2, 861-2, 1565-2, previously held by Bobbi Reagle, is now listed under Gudgel Land & Cattle, LLC. I have also updated your contact information in our system.

As a reminder, so long as you use the water beneficially, as stated in the License (copy enclosed), State Water Laws provide that you have a continuing right to use the water. Should the water not be put to beneficial use for a period longer than 3 consecutive years, without legal excuse, the Licenses will be subject to cancellation.

If you have any questions, please contact me.

Sincerely,

Shannon Konst
Water Rights Program
605 773-3352
Shannon.konst@state.sd.us

NOTE: The validity of Water Right Nos. 1950-2, 861-2, 1565-2, has not been determined by this transfer action. Only the Water Management Board has the authority to determine if a water permit/right is valid.

enclosures