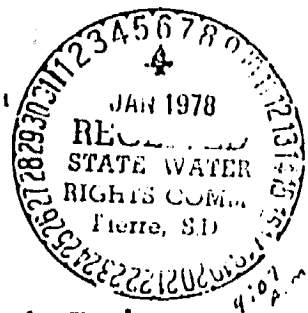


- 4212-3
1. Considered 1-25 1978
2. Name of Applicant GRANT-ROBERTS RURAL WATER ASSN.
3. Post Office Address MILBANK
4. Amount of Water claimed 1.15
5. Source of Water supply 2-110' DEEP WELLS
6. Water to be used for RURAL WATER SYSTEM
- Acres to be irrigated WELL IN COBBINGTON
7. Water to be diverted and used in USE IN GRANT & ROBERTS County
about 1 1/2 miles of SOUTH SHORE
8. Proof of Publication Received 1-20-78
Not Received _____
9. Application Approved _____
Subject to _____
Not Approved _____
Action Deferred _____
10. Remarks: ☒ ☒

Map No. 3434-3 Water Division No. 3 WHETSTONE CREEK District
(Blanks to be Filled by the Engineer for the W. R. C.)



APPLICATION FOR PERMIT

To Appropriate Water within the State of South Dakota

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

1. Name of Applicant Grant-Roberts Rural Water Association
 Postoffice address c/o Don Davis, R.R. 2, Milbank, State South Dakota 57252
 If a corporation show date and place of incorporation Unincorporated association - will form as
water users district in very near future
 2. Method of accomplishing work (contract, employment of others, or by direct labor) Contract
 3. Name of diversion work Grant-Roberts Rural Water System
 4. Amount of water claimed (cubic feet per second) 1.15 cfm - 500 ac-ft. annually
 5. Source of water supply wells
 6. Location of point of diversion NE 1/4 SE 1/4 Section 10, Township 119 North, Range 51 West
County Codington
 7. Annual period or periods during which water is to be used daily
 8. Use to be made of water, (irrigation, industrial, municipal, commercial, recreation, etc.) municipal - rural water system
 9. For irrigation use, Total number of acres to be irrigated --

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 2 years. Additional time required to complete application of water to the proposed beneficial use 1 years.
 11. Choice of newspaper for Notice of Intent to Appropriate Water publication Watertown Public Opinion
 12. Principal Features of the Proposed Water Supply System.

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

Wells - two wells would be installed, each capable of 500 gpm. These wells would alternate in use. Two wells are necessary so as to provide for routine maintenance and system supply.

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

PVC Pipe in conjunction with underground concrete storage reservoirs and pumping station.

C. Works proposed to apply water to beneficial use.

Pumping stations, reservoirs, and PVC Pipe directly into residences.

Estimated Total Cost \$ 5,075,000

Attachments: Attach Form 2A if diversion from a well or dugout, or if storage of water, is proposed. Attach map.
 (See instructions concerning preparation.)

STATE OF SOUTH DAKOTA)

County of Grant) ss.

I, Arvel Trapp 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.

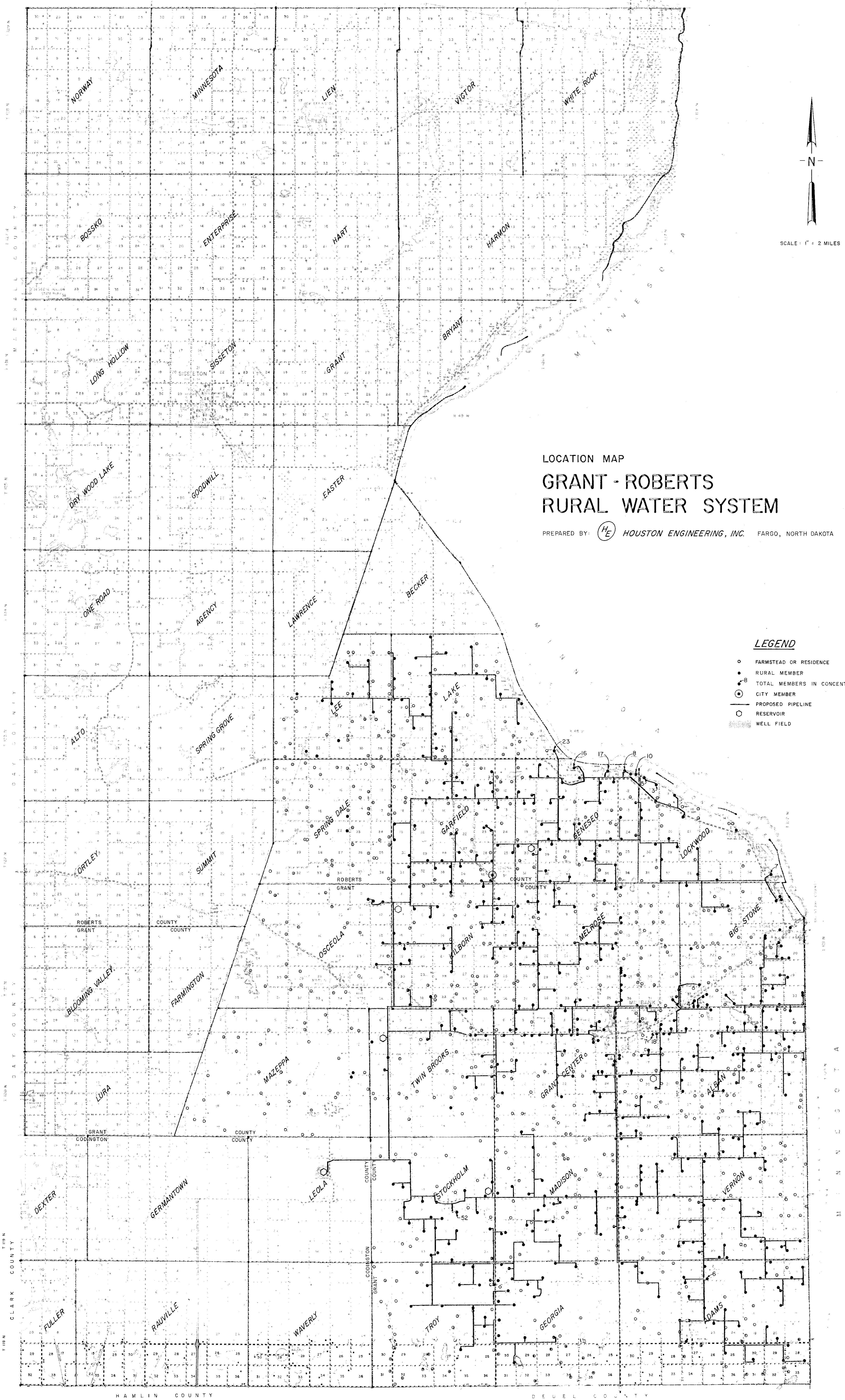
Signed Arvel TrappSubscribed and sworn to before me this 5th day of January 1978

Ronald K. Roehr
 Notary Public (or other qualified officer)

RONALD K. ROEHR

Notary Public, Grant County, S. Dak.

My Commission Expires June 3, 1982



LOCATION MAP
**GRANT - ROBERTS
RURAL WATER SYSTEM**

PREPARED BY:  **HOUSTON ENGINEERING, INC.** FARGO, NORTH DAKOTA

LEGEND

- FARMSTEAD OR RESIDENCE
- RURAL MEMBER
- 8 TOTAL MEMBERS IN CONCENTRATED AREA
- CITY MEMBER
- PROPOSED PIPELINE
- RESERVOIR
-  WELL FIELD

WATER RIGHT APPLICATION APPROVAL

The Water Rights Commission hereby approves Water Right Application No. 4212-3
GRANT-ROBERTS RURAL WATER ASSN. % DON DAVIS, RT#2, MILBANK
 (Applicant) (Post Office Address)
SOUTH DAKOTA 57252 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 JANUARY 6, 19 78
 Date of return to applicant for correction, amendments or changes required _____, 19 ____
 Date of receipt of corrected application _____, 19 ____
 Approved JANUARY 25, 19 78, Recorded in Book 19 Page 265

WATER RIGHT PERMIT NO. 4212-3

The Water Rights Commission hereby grants and issues this Water Right permit No. 4212-3 authorizing the construction of the water use system and the putting of water to beneficial use as stated in the Application and as modified in the Water Right Application approval, subject, however, to the following limitations and conditions:

1. The date from which applicant may claim right is JANUARY 6, 19 78
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before JANUARY 25, 19 79
3. The whole of said work is to be completed on or before JANUARY 25, 19 80 83 11-27-79
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is JANUARY 25, 19 81 83
5. The water appropriated shall be used for the purpose of RURAL WATER SYSTEM USE
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 1.15 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 use~~ USED FOR RURAL WATER SYSTEM PURPOSES JANUARY 25, 19 81 83; said water to be used during the following described annual period: CONTINUOUSLY

Witness my hand this 15th day of FEBRUARY, 19 78

WATER RIGHTS COMMISSION

By: John Hatch
 Chief Engineer Executive Officer

Certificate of Construction Issued _____, 19 ____

Water License Issued _____, 19 ____

PAGE NO.

Sec. 10 dan

12/11/77

7:

Jeraine

የገንዘብ ምንጭ

FOREMAN

JOB NAME

LOCATION

DATE _____

FIG NO.

Well No.	DEPTH	TIME	REMARKS
			Main Well - Drilling for casing and screen
1	20		
2	35		
3	50		0-1 top soil
4	65		1-13 sand and gravel
5	80		15-20 sand, little clay
6	95		20-25 sand
7	110		25-30 sand
8	125		30-35 Clay
			35-50 Clay
			50-65 Clay
			65-70 Clay , sand streaks
			70-75 sand, coarse
			75-80 sand
			80-95 sand
			95-100 sand

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

D. Well Information or Estimates

(1) Drill Hole, Diameter 14 inches, Depth 110 feet

(2) Casing, Type steel (wood, concrete, steel, etc), Diameter 8 inches Thickness 0.322 inches

(3) Perforated Screen.

Type stainless steel, Diameter 8 inches, Length 30 feet

(4) Gravel Pack. Thickness 2 inches, Length of gravel pack 30 feet

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 coarse sand - logs attached

Depth to top of water bearing material 70 feet

Depth to bottom of water bearing material 110 feet

Thickness of water bearing material 30 feet

Depth to water (ground surface to water level) 0 feet (well will flow)

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

On same owner's property 80 rds. On property owned by others 90 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.

Arvel Trapp
Signature of Applicant
Arvel Trapp

Form 6 - Notice of Intent to Appropriate Water
GROUND WATER

No. 421263

Publish first publication, on or before January 12, 1978

NOTICE OF HEARING ON
APPLICATION TO APPROPRIATE WATER

Pierre, South Dakota 57501

January 8, 1978

Notice is hereby given that Grant-Roberts Rural Water Ass'n whose post office address is Milbank, South Dakota, has made an application in accordance with the provisions of SDCL 46-1-1 thru 46-1-8; 46-2-9 thru 46-2-11, 46-2-13; 46-5-1 thru 46-5-8, 46-5-10 thru 46-5-22, 46-5-41, 46-6-3, 46-6-5, 46-6-6.1, 46-6-10, 46-6-14 and Commission Rules ARSD 52:01:01:01 thru 52:01:01:13, for a permit to appropriate for beneficial use 500 acre cubic feet of ~~xxxxxx~~ ground water (2 wells) from ground water (2 wells) through the Grant-Roberts Rural Water, the point^B of diversion of which ~~xxx~~ are to be located in the System

NE 1/4 SE 1/4
of Section 10, Twp. 119N Range 51W. Said water to be used for ~~xxxxxx~~ providing irrigation and domestic use for the community
rural water system purposes.

This Application No. 4212-3 will be considered by the Water Rights Commission at Pierre, South Dakota upon the 25th day of January, 1978 at 10 A.M. The Commission is authorized to make a determination on this application at the hearing. All interested persons may appear and be heard. Any person who may be affected by a Commission decision who desires to present evidence or cross-examine witnesses according to SDCL 1-26 may notify the Commission in writing prior to the hearing or orally at the hearing.

NOTE: Final Proof of Publication must be received by the hearing date for the Commission to take action.

WATER RIGHTS COMMISSION

BETTY WESTLUND
Water Rights Specialist I

cc: Grant-Roberts Rural Water Association, c/o Don Davis, Rt #2, Milbank 57252

No. 4212-3

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Codington) ss.

I, Kenneth B. Way hereby
certify that the annexed printed copy of Notice of Intent to Appropriate
Water was taken from the Watertown Public Opinion

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

_____ city _____ of Watertown

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

12th of January, 1978

19th of January, 1978

Kenneth B. Way
(Signature)

Publisher
(Title)

Jan 19th, 1978
(Date Signed)

PUBLIC NOTICE

NO. 4212-3

NOTICE OF HEARING
ON APPLICATION TO
APPROPRIATE WATER

Pierre, South Dakota, 57501

January 8, 1978

Notice is hereby given that Grant-Roberts Rural Water Ass'n whose post office address is Milbank, South Dakota, has made an application in accordance with the provisions of SDCL 46-1-1 thru 46-1-8; 46-2-1 thru 46-2-11; 46-2-13; 46-3-1 thru 46-3-8; 46-5-10 thru 46-5-22; 46-5-41; 46-6-3; 46-6-5; 46-6-6.1; 46-6-10; 46-6-14 and Commission Rules ARSD 52:01:01:01 thru 52:01:01:13, for a permit to appropriate for beneficial use 500 acre feet from ground water (2 wells) through the Grant-Roberts Rural Water System, the points of diversion of which are to be located in the NE 1/4 of Section 16, Twp. 119N Range 51W. Said water to be used for providing rural water system purposes.

This Application No. 4212-3 will be considered by the Water Rights Commission at Pierre, South Dakota upon the 25th day of January, 1978 at 10 A.M. The Commission is authorized to make a determination on this application at the hearing. All interested persons may appear and be heard. Any person who may be affected by a Commission decision who desires to present evidence or cross-examine witnesses according to SDCL 1-26 may notify the Commission in writing prior to the hearing or orally at the hearing.

NOTE: Final Proof of Publication must be received by the hearing date for the Commission to take action.

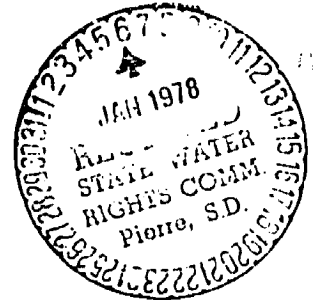
WATER RIGHTS
COMMISSION

By: BETTY WE: LUND
Water Rights Specialist I
(Jan. 12, 1978)

43/4 @ 2.65 = 11
25.18



Grant-Roberts Rural Water Association
Milbank, South Dakota



John Hatch
Water Rights Commission
Department of Natural Resources Development
Foss Building
Pierre, SD 57501

SUBJECT: Grant-Roberts Rural Water System

Dear Mr. Hatch:

Enclosed herewith is the Application for Permit to Appropriate Water in the State of South Dakota. Also enclosed with the permit are test drilling and test well pumping logs. We would appreciate review of these requests at the earliest possible time.

Sincerely,

GRANT-ROBERTS RURAL WATER ASSOCIATION

Arvel Trapp
Arvel Trapp, Chairman

AT:gz
Encl.

RECEIPT

WATER RIGHTS COMMISSION

State of South Dakota

No 4 6299

PIERRE, January 6, 1978

RECEIVED OF Grant Roberts Rural Water Association, Milbank, SD
the following amount in fees for services rendered as provided for by law:

Fee for Application for Permit to Appropriate Water No. 4212-3 (examination, processing, recording and filing) -----	300.00
Fee for inspecting Construction, and issuing Cert. of Construction No.-----	
Fee for inspecting Beneficial Use, and issuing Water License No.-----	
Fee for issuing Location Certificate-Dry Draw, No.-----	
Fee for filing -----	
Fee for certified copy of -----	
Fee for Print copy of map -----	
Fee for Certifying -----	
Fee for ----- (any other work as provided by law)	
TOTAL	300.00

WATER RIGHTS COMMISSION

By *(Signature)*
Chief Engineer, Executive Officer
JOHN HATCH gy



FIRST WATER PUMPED — The first production well of the Grant-Roberts Rural Water Association was test-pumped recently. The well is located on the Dale Drake farm one mile north of South Shore. From left are, standing, Norman Barlund, Mil-

bank, vice president of the association; Dennis Derrig, Fargo, N.D., consulting engineer; and, kneeling, Donald Davis, Milbank, secretary; and Arvel Trapp, Milbank, president. (Photo by Fischer)

Rural water system group tests first production well

MILBANK — The Grant-Roberts Rural Water System is progressing rapidly, according to engineer Dennis Derrig of Houston Engineering in Fargo, N.D. The system's first

production well, located on the Dale Drake farm a mile north of South Shore was recently test pumped.

The well, dug by the Huron Well Drilling Company, was completed Dec. 22 and test pumped for 24 hours at 450 gallons per minute. The well looks promising, according to officials of the water system. The quality of the water includes 15 grains of hardness and 0.4 milligrams of iron. A filtration plant will be constructed at the well field.

THERE WILL be approximately 500 miles of water pipe serving the Grant-Roberts system. Water will be pumped from two wells, which will require slightly more water per day than a quarter-section center pivot irrigation system.

The Grant-Roberts Rural Water Association is governed by a steering committee consisting of one member from each township, six in Roberts County and 12 in Grant County. Officers are Arvel Trapp, Milbank, president; Norman Barlund, Milbank, vice president; Donald Davis, Milbank, secretary; and Leon Kruse, Wilmet, treasurer. Grant County Extension Agent Vern Beare and Roberts County Agent Joe Schuch are the advisers for the project.

THERE ARE 765 members signed up to receive water from

the system and association directors estimate there will be 1,000 by the time further construction begins. The cost of the engineer's preliminary study and drilling of the first well was paid by a \$20 fee charged each member. The East Dakota Conservancy Sub-District provided financial assistance for the exploratory drilling.

Construction will begin as soon as approval of funding is received from the Farmers Home Administration. Prospects for funding of the project in fiscal 1978 are good, according to project officials.

PERSONS IN the area served by the association who wish to join the rural water service may do so by contacting their township chairmen or county agents for membership forms. Steering committee members are Dean Parker, Corona, Genesco Township; Dick DeBoer, Twin Brooks, Kilborn; Arvel Trapp, Rt. 2, Milbank, Grant Center; Alvin Schumacher, Rt. 1, Milbank, Big Stone; Don Davis, Rt. 2, Milbank, Alban; Stuart Sime, Revillo, Adams; Arvid Stengel, Rt. 2, Milbank, Melrose; Bill Busk Jr., Twin Brooks, Twin Brooks; Norman Barlund, Rt. 2, Milbank, Madison.

Stephen L. Howard, Big Stone City, Lockwood; Leon Kruse, Wilmet, Garfield; Jim Hutchins, Wilmet, Lake; Russell

Hanson, Wilmet, Lee; Stanley Berg, Stockholm, Stockholm Township and City of Stockholm; Ed Lamners, Browns Valley, Minn.; Becker; Darrell Lindahl, Strandsburg, Troy; Robert Annett, Revillo, Vernon; and Robert Weber, Strandsburg, Georgia.

RECEIPT

WATER RIGHTS COMMISSION

State of South Dakota

No 4 7129

PIERRE, November 20, 1979

RECEIVED OF Ronald K. Roehr, Attorney at Law, Box 266, Milbank, SD 57252
the following amount in fees for services rendered as provided for by law:

Fee for Application for Permit to Appropriate Water No. _____ (examination, processing, recording and filing) _____		
Fee for inspecting Construction, and issuing Cert. of Construction No. _____		
Fee for inspecting Beneficial Use, and issuing Water License No. _____		
Fee for issuing Location Certificate-Dry Draw, No. _____		
Fee for filing extension of time for water right No. 4212-3	2	50
Fee for certified copy of _____		
Fee for Print copy of map _____		
Fee for Certifying _____		
Fee for _____ (any other work as provided by law)		
TOTAL	2	50

WATER RIGHTS COMMISSION

By John Hatch
Chief Engineer, Executive Officer

JOHN HATCH

(92)

Form 18.

No. _____

APPLICATION FOR EXTENSION OF TIME



TO: Water Rights
Foss Building
Pierre, South Dakota 57501

Date November 19, 1979

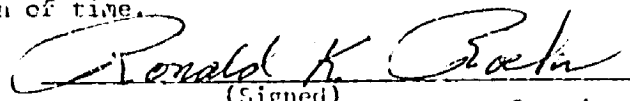
Dear Sirs:

In Water Right Permit No. 4212-3 it is specified that the water diversion system is to be completed by January 25, 1980 and that the water is to be put to the limit of beneficial use by January 25, 1981.

I hereby request that the date for completing the diversion system be extended to January 25, 1983 and that the date for putting the water to the limit of beneficial use be extended to January 25, 1983.

The extension of time for the completion of these works is requested for the following reasons: For reasons beyond the control of the Grant-Roberts Rural Water System, Inc., the Farmers Home Administration, USDA, delayed granting of funds necessary for construction of the project. The delay in funding forced a delay in the design of the system by the engineers and a delay in the construction of the system by a contractor.

Enclosed herewith is a fee of Two Dollars and Fifty Cents (\$2.50) to pay the cost of filing this request for extension of time.


(Signed)
Ronald K. Roehr, Attorney for Applicant
4212-3
Permit Number

APPROVED: 11/29/79

Board of Water Management

BY:

FORM 19 - Approval of Extension of Time

No. 4212-3

**SOUTH Dakota Department of
Water & Natural Resources**
Joe Foss Building Water Rights, Water Management Division
Pierre, South Dakota 57501 (605) 773-3352

November 30, 1979

Grant-Roberts Rural Water System
% Don Davis
Rt #2,
Milbank SD 57252

Dear Sir:

This is to inform you that your request for extension of time dated
November 18, 1979 for Water Right No. 4212-3 has been
approved by the Board of Water Management as follows:

The date for completing construction of the water system has
been extended to January 25, 1983, and the date for
putting the water to the limit of beneficial use has been
extended to January 25, 1983.

Enclosed herewith is Receipt No. 4 7129 for \$2.50 fee for filing
of this Extension of Time.

Sincerely,

BETTY WESTLUND
Water Rights Specialist

EW:lav

enclosure

Equal Opportunity Employer

TELEPHONE 603 432-49

GRANT COUNTY COURTHOUSE

RONALD K. ROEHR

ATTORNEY AT LAW

P. O. BOX 266

MILBANK, SOUTH DAKOTA 57252

July 3, 1980



Water Management Board
Pierre, South Dakota 57501

Gentlemen:

I would appreciate it if you could tell me whether or not any one other than the Grant-Roberts Rural Water System, Inc., has a permit for a well in the West Half of Section 10, Township 119 North, Range 51 West, Codington County, South Dakota. Specifically, I would like to know whether or not Dale Drake or the Twin Brooks Alfalfa Mill have such permits.

If there are any such permits, I would appreciate knowing who has them, what type of permits they are, and where they are located. Thank you.

Very truly yours,

Ronald K. Roehr

RKR/bmc

3672-3

July 8, 1980

Ronald K. Roehr
Attorney at Law
Box 266
Milbank SD 57252

Dear Mr. Roehr:

In answer to your letter inquiring if there are any permits issued for wells in the W $\frac{1}{4}$ of Section 10, T119N, R51W. Mr. Dale Drake has Permit No. 2672-3 for two wells, one located in the center of the SW $\frac{1}{4}$, Section 10 and in the NE $\frac{1}{4}$ NE $\frac{1}{4}$, Section 16 both in T119N, R51W to irrigate 223 acres in the SW $\frac{1}{4}$, Section 10 and E $\frac{1}{4}$, NE $\frac{1}{4}$, Section 16, T119N, R51W. The priority date for this Permit is February 23, 1977.

If you have any further questions feel free to contact this office.

Sincerely,

BETTY WESTLUND
Water Rights Specialist

BW:kw

FIELD PUMPING TEST Water Level Measurements

Granc-Roberts Rural Water Assoc.

Well No. Main Well

RECOVERY

Location: 2 mi. North of South Shore

Date: 12/23/77

Sec. 10 das, T119N, R51W

Time of Measurement	Elapsed Time - Minutes	Tape Measurement		Elec. Elev. of Marker Inches	Depth of Water Feet	Draw-down Feet	Pumping Rate GPM	REMARKS
		Mark Held Ft	Wetted Port. Inches					
10:00	0					37'3"		
	1					18'10"		
	2					18'1"		
	3					17'8"		
	4					17'4"		
	5					17'1"		
	6					16'10"		
	7					16'6"		
	8					16'5.5"		
	9					16'3.5"		
	10					16'2.5"		
	12					15'11"		
	14					15'8.5"		
	16					15'6"		
	18					15'4"		
	20					15'1 3/4"		
	25					14'9"		
10:30	30					14' - "		
	35					14'2"		
	40					13'11"		
	45					13'6.5"		
	50					13'2.5"		
11:00	60					12'11"		

Water Level Measurements

Grant-Roberts Rural Water Assoc.

Well No. Main Well

Location: 2 mi. North of South Shore

Date: 12/23/77

[illegible]

FIELD PUMPING TEST Water Level Measurements

Well No. Observation Well #1
Sec. 10 daa, T119N, R51W
200 ft. EW of Main Well

RECOVERY

Grant-Roberts Rural Water Assoc.
Location: 2 mi. North of South Shore
Date: 12/23/77

Time of Measurement	Elapsed Time - Minutes	Tape Measurement		Elec. Llev. of Marker Inches	Depth of Water Feet	Draw-down Feet	Pumping Rate GPM	REMARKS
		Mark Held Ft	Wetted Port. Inches					
10:00	0					19'		
	1					19'		
	2					19'		
	3					18'9"		
	4					18'8"		
	5					18'4"		
	6					17'4"		
	7					16'10"		
	8					16'4"		
	9					16'2"		
	10					16'		
	12					15'10"		
	14					15'8"		
	16					15'6"		
	18					15'4"		
	20					15'2"		
	25					14'11"		
10:30	30					14'6"		
	35					14'1"		
	40					13'11"		
	45					13'9"		
	50					13'5"		
11:00	60					13'1"		

FIELD PUMPING TEST Water Level Measurements

Well No. Observation Well #

Grant-Roberts Rural Water Assoc.

Location: 2 mi. North of South Shore

Date: 12/23/77

[illegible]

FIELD PUMPING TEST Water Level Measurements

Grant-Roberts Rural Water Assoc.

Well No. Observation Well #1

Location: 2 miles north of South Shore

Sec. 10 daa

Date: 12/22/77

T119N, R51W - 200 Ft. NW of Main Well

Time of Measure- ment	Elapsed Time - Minutes	Tape Measurement		Elec. Liev. of Marker Inches	Depth of Water Feet	Draw- down Feet	Pumping Rate GPM	REMARKS
		Mark Held Ft	Wetted Port. Inches					
	0				2'6"	0		
	1					2'4"		
	2					2'5"		
	3					2'7"		
	4					2'7"		
	5					2'9.5"		
	6					3'2"		
	7					3'2.5"		
	8					3'3.5"		
	9					3'6"		
	10					3'8"		
	12					3'11"		
	14					4'1"		
	16					4'3"		
	18					4'5"		
	20					4'7"		
	28					5'1"		
	30					5'5"		
	35					5'9"		
	40					5'11"		
	45					6'2.5"		
	50					6'5"		
	60	1 hour				6'10"		

FIELD PUMPING TEST Water Level Measurements

Well No. Observation Well #1

Grant-Roberts Rural Water Assoc.
Location: 2 mi. North of South Shore
Date: 12/22/71

Time of Measurement	Elapsed Time - Minutes	Tape Measurement		Elec. Lev. of Marker Inches	Depth of Water Feet	Draw-down Feet	Pumping Rate GPM	REMARKS
		Mark Held Ft	Wetted Port. Inches					
	70					7'2"		
	80					7'7"		
	90					7'11"		
	100					8'2.5"		
	120					8'9"		
	140					9'2.5"		
	160					9'8.5"		
	180					10'1"		
	200					10'9"		
	220					11'3"		
	250					11'5"		
	300					12'0"		
	350					12'7"		
	400					13'2"		
	450					13'8.5"		
	500					14'2"		
	550					14'8.5"		
	600					15'1"		
	650					15'6"		
	700					15'10"		
11:20	800					16'7"		
1:00	900					16'9"		
2:00	1000					16'11"		

FIELD PUMPING TEST

Water Level Measurements

Grant-Roberts Rural Water Assoc.

Well No. Observation Well #1

Location: 2 mi. North of South Shore

Date: 12/22/77

[illegible]

FIELD PUMPING TEST Water Level Measurements

Grant-Roberts Rural Water Assoc.

RECOVERY

Well No. Main Well

Location: 2 mi. North of South Shore

Sec. 10 daa, T119N, R51W

Date: 12/23/77

Time of Measurement	Elapsed Time - Minutes	Tape Measurement		Elec. Elev. of Marker Inches	Depth of Water Feet	Draw-down Feet	Pumping Rate GPM	REMARKS
		Mark Held Ft	Wetted Port. Inches					
10:00	0					37'3"		
	1					18'10"		
	2					18'1"		
	3					17'8"		
	4					17'4"		
	5					17'1"		
	6					16'10"		
	7					16'6"		
	8					16'5.5"		
	9					16'3.5"		
	10					16'2.5"		
	12					15'11"		
	14					15'8.5"		
	16					15'6"		
	18					15'4"		
	20					15'1 3/4"		
	25					14'9"		
10:30	30					14'5"		
	35					14'2"		
	40					13'11"		
	45					13'6.5"		
	50					13'2.5"		
11:00	60					12'11"		

FIELD PUMPING TEST
Water Level Measurements Grant-Roberts Rural Water Assoc.

Well No. Main Well

Location: 2 mi. North of South Shore

Date: 12/23/77

[illegible]

FIELD PUMPING TEST
Water Level Measurements

Short Report

Well No. Obs Well #2

Location: 2 miles North of South Shore

Sec. 10 daa, T119N, R51W
600 ft. west of Main Well

Date: 12/22/77

Time of Measurement	Elapsed Time - Minutes	Tape Measurement		Elec. Elev. of Marker Inches	Depth of Water Feet	Draw-down Feet	Pumping Rate GPM	REMARKS
		Mark Held Ft	Wetted Port. Inches					
10:00	0			Static	4'9"	0		
	1					0		
	2					0		
	3					0		
	4					0		
	5					0		
	6					0		
	7					0		
	8					0		
	9					0		
10:10	10					0		
	12					0		
	14					0		
	16					0		
	18					0		
10:20	20					0		
	25					0		
10:30	30					0		
	35					0		
10:40	40					0		
	45					0		
10:50	50					0		
11:00	60					0		

FIELD PUMPING TEST Water Level Measurements

Sancti Roberto

Well No. Obs Well #2

Location: 2 miles north of South Shore

Date: 12/22/77

Time of Measurement	Elapsed Time - Minutes	Tape Measurement		Elec. Elev. of Marker Inches	Depth of Water Feet	Draw-down Feet	Pumping Rate GPM	REMARKS
		Mark Held Ft	Wetted Port. Inches					
	70				4' 9"	0		
	80					0		
	90					0		
	100					0		
	120					0		
	140					0		
	160					0		
	180					0		
	200					0		
	220					0		
	250					0		
	300					0		
	350					0		
	400					0		
	450					0		
	500					0		
	550					0		
	600					0		
	650					0		
	700					0		
	800					0		
	900					0		
	1000					0		

Adm. T. Roberts

Location: 2 miles north of South Shore
Date: 12/22/7

[illegible]

FIELD PUMPING TEST Water Level Measurements

RECOVERY

Grant-Roberts Rural Water Assoc.

Location: 2 mi. North of South Shore

Date: 12/23/77

Well No. Observation Well #1

Sec. 10 daa, T119N, R51W

200 ft. NW of Main Well

Time of Measurement	Elapsed Time - Minutes	Tape Measurement		Elec. Llev. of Marker Inches	Depth of Water Feet	Draw-down Feet	Pumping Rate GPM	REMARKS
		Mark Held Ft	Wetted Port. Inches					
9:00	0					19'		
	1					19'		
	2					19'		
	3					18'9"		
	4					18'8"		
	5					18'4"		
	6					17'4"		
	7					16'10'		
	8					16'4"		
	9					16'2"		
	10					16'		
	12					15'10"		
	14					15'8"		
	16					15'6"		
	18					15'4"		
	20					15'2"		
	25					14'11"		
10:30	30					14'6"		
	35					14'1"		
	40					13'11.5"		
	45					13'9"		
	50					13'5"		
11:00	60					13'1"		

FIELD PUMPING TEST

Water Level Measurements

Grant-Roberts Rural Water Assoc.

Well No. Observation Well #1

Location: 2 mi. North of South Shore

Date: 12/23/77

[illegible]

FIELD PUMPING TEST
Water Level Measurements

Chart Roberts

Well No. Obs Well #2

Location: 2 miles North of South Shore

Sec. 10 daa, T119N, R51W

Date: 12/22/77

600 ft. west of Main Well

Time of Measurement	Elapsed Time - Minutes	Tape Measurement		Elec. Elev. of Marker Inches	Depth of Water Feet	Draw-down Feet	Pumping Rate GPM	REMARKS
		Mark Held Ft	Wetted Port. Inches					
10:00	0			Static	4'9"	0		
	1					0		
	2					0		
	3					0		
	4					0		
	5					0		
	6					0		
	7					0		
	8					0		
	9					0		
10:10	10					0		
	12					0		
	14					0		
	16					0		
	18					0		
10:20	20					0		
	25					0		
10:30	30					0		
	35					0		
10:40	40					0		
	45					0		
10:50	50					0		
11:00	60					0		

FIELD PUMPING TEST Water Level Measurements

Sancti Roberto

Well No. Obs Well #2

Location: 2 miles north of South Shore
Date: 12/22/77

Time of Measurement	Elapsed Time - Minutes	Tape Measurement		Elec. Elev. of Marker Inches	Depth of Water Feet	Draw-down Feet	Pumping Rate GPM	REMARKS
		Mark Held Ft	Wetted Port. Inches					
	70				4'9"	0		
	80					0		
	90					0		
	100					0		
	120					0		
	140					0		
	160					0		
	180					0		
	200					0		
	220					0		
	250					0		
	300					0		
	350					0		
	400					0		
	450					0		
	500					0		
	550					0		
	600					0		
	650					0		
	700					0		
	800					0		
	900					0		
	1000					0		

Shant Roberts

Location: 2 miles north of South Shore
Date: 12/22/77

[illegible]

FIELD PUMPING TEST Water Level Measurements

Grant-Roberts Rural Water Assoc.

Well No. Observation Well #1

Location: 2 miles north of South Shore

Sec. 10 daa

Date: 12/22/77

T119N, R51W - 200 ft. NW of Main Well

Time of Measurement	Elapsed Time - Minutes	Tape Measurement		Elec. Elev. of Marker Inches	Depth of Water Feet	Draw-down Feet	Pumping Rate GPM	REMARKS
		Mark Held Ft	Wetted Port. Inches					
	0				2'6"	0		
	1					2'4"		
	2					2'5"		
	3					2'7"		
	4					2'7"		
	5					2'9.5"		
	6					3'2"		
	7					3'2.5"		
	8					3'3.5"		
	9					3'6"		
	10					3'8"		
	12					3'11"		
	14					4'1"		
	16					4'3"		
	18					4'5"		
	20					4'7"		
	28					5'1"		
	30					5'5"		
	35					5'9"		
	40					5'11"		
	45					6'2.5"		
	50					6'5"		
	60	1 hour				6'10"		

FIELD PUMPING TEST Water Level Measurements

Well No. Observation Well #1

Grant-Roberts Rural Water Assoc.
Location: 2 mi. North of South Shore
Date: 12/22/77

Time of Measurement	Elapsed Time - Minutes	Tape Measurement		Elec. Lev. of Marker Inches	Depth of Water Feet	Draw-down Feet	Pumping Rate GPM	REMARKS
		Mark Held Ft	Wetted Port. Inches					
	70					7'2"		
	80					7'7"		
	90					7'11"		
	100					8'2.5"		
	120					8'9"		
	140					9'2.5"		
	160					9'8.5"		
	180					10'1"		
	200					10'9"		
	220					11'3"		
	250					11'5"		
	300					12'0"		
	350					12'7"		
	400					13'2"		
	450					13'8.5"		
	500					14'2"		
	550					14'8.5"		
	600					15'1"		
	650					15'6"		
	700					15'10"		
11:20	800					16'7"		
1:00	900					16'9"		
2:00	1000					16'11"		

FIELD PUMPING TEST

Water Level Measurements:

Grant-Roberts Rural Water Assoc.

Location: 2 mi. North of South Shore

Date: 12/22/77

Well No. Observation Well #1[illegible]

FIELD PUMPING TEST Water Level Measurements

Grant Roberts

Well No. Main well

Location: 2 miles North of South

Sec. 10 daa, T119N, R51W

Date: 12/22/77

Shore

Pipe 6" orifice 4"

Time of Measurement	Elapsed Time - Minutes	Tape Measurement		Elec. Elev. of Marker Inches	Depth of Water Feet	Draw-down Feet	Pumping Rate GPM	REMARKS
		Mark Held Ft	Wetted Port. Inches					
10:00	0				Flowing	0		
	1					No reading		
	2					22'4"		
	3					22'7"		
	4					22'11"		
	5					23'1½"		
	6					23'2½"		
	7					23'4"		
	8					23'5"		
	9					23'6"		
10:10	10					23'7"	450	
	12					23'8"		
	14					23'8½"		
	16					23'89"		
	18					23'10½"		
10:20	20					24'0"	450	
	25					24'4½"		
10:30	30					24'8"	450	
	35					24'11½"		
10:40	40					25'0"	450	
	45					25'5½"		
10:50	50					25'8"	450	
11:00	60	1 hour				26'0"	450	

FIELD PUMPING TEST
Water Level Measurements Grant-Roberts Rural Water Assoc.

Well No. Main Well

Location: 2 mi. North of South Shore
Date: 12/22/77

Time of Measurement	Elapsed Time - Minutes	Tape Measurement		Elec. Elev. of Marker Inches	Depth of Water Feet	Draw-down Feet	Pumping Rate GPM	REMARKS
		Mark Held Ft	Wetted Port. Inches					
11:10	70					26'4"	450	
11:20	80					26'9"		
11:30	90					27'1"		
11:40	100					27'5 1/2"	450	
12:00	120	2 hours				27'11"		
12:20	140					28'5"		
12:40	160					28'10"	450	
1:00	180	3 hours				29'3"		
1:20	200					29'6 1/2"		
1:40	220					29'10 1/2"	450	
2:10	250	4 hours 10 min.				30'4"	450	
3:00	300					31'0"		
3:50	350					31'7 1/4"		
4:40	400					32'2 1/2"		
5:30	450					32'8"	450	
6:20	500					33'2 1/2"		
7:10	550					33'8 1/2"	450	
8:00	600					34'0"		
8:50	650					34'5"		
9:40	700					34'9"		
11:20	800					35'6"		
1:00	900					35'8"		
2:40	1000					35'10"		

FIELD PUMPING TEST
Water Level Measurements Grant-Roberts Rural Water Assoc.

Well No. Main Well

Location: 2 mi. North of South Shore

Date: 12/22/77

[illegible]

HURON DRILLING INC. DRILLERS LOG

PAGE NO.

Grant-Roberts
JOB NAME

Sec. 10 daa
T119N, R51W
LOCATION

12/15/77
DATE

19
FIG NO.

Steven Kuehl
FOREMAN

Jl No.	DEPTH	TIME	REMARKS
1	20		Test Hole #4 - Observation Well #2
2	35		0-10 Fine sand
3	50		10-20 Fine sand
4	65		20-25 Fine sand
5	80		
6	95		25-30 Sand, clay streaks
7	110		30-35 Clay
8	125		35-50 Clay
9	140		50-55 Fine sand , clay mixed
10	155		55-60 Fine sand, clay mixed
			60-65 Fine sand , clay mixed
			65-70 Fine sand, clay mixed
			70-75 Coarse sand
			75-80 Coarse sand
			80-85 Coarse sand
			85-90 Coarse sand
			90-95 Fine sand
			95-100 Fine sand, clay mixed
			100-105 Mostly clay
			105-110 Mostly clay, sand streak @ 105
			110-115 Clay, sand streaks
			115-120 Coarse sand
			120-125 Coarse sand
			125-140 Coarse sand
			140-145 Coarse sand
			145-150 Fine sand
			150-155 Clay
			Cased to 140 Ft. 2" Plastic
			Slotted 120-140

PAGE NO.

Steven
Kuehl
FOREMAN

[illegible]

HURON DRILLING INC. DRILLERS LOG

Grant-Roberts

JOB NAME

Section 10 daa
T119N, R51W
LOCATION

Dec. 1, 1977

DATE

PAGE NO.

19

RIG NO.

Steven Kuehl

FOREMAN

Jl No.	DEPTH	TIME	REMARKS
1	20		Test Hole # 1 - Observation Well #1
2	35		
3	50		0-5 Brown Sand
4	65		5-8 Brown Sand
5	80		8-10 Blue sand
6	95		10-15 Blue clay
7	110		15-20 Blue sand
8	125		20-25 Blue sand
9	140		25-30 Blue sand
10	150		30-35 Mostly clay
			35-40 Clay
			40-45 Clay
			45-50 Clay
			50-55 Clay
			55-60 Clay
			60-65 Clay
			65-68 Clay
			68-70 Sand
			70-75 Sand
			75-80 Sand
			80-85 Sand
			85-90 Sand
			90-95 Sand some clay
			95-100 Clay
			100-105 Clay
			105-110 Clay
			110-115 Clay
			115-119 Clay
			119-125 Clay, coarse sand
			125 Boulder
			126-130 Clay sand clay mixed
			130-135 clay
			135-140 Clay
			140-150 Clay
			Cased with 2" Plastic for water sample 90 Ft.
			90 Ft. 2" Plastic
			20 Ft. Slotted

PAGE NO.

Steven Kuehl

FOREMAN

[illegible]

PAGE NO.

[illegible]

HURON DRILLING INC. DRILLERS LOG

PAGE NO.

Grant Robert L.

Sec. 10 daa

T119N, R51W

1910/11

72

Jervine:

Paul Lincoln

FOREMAN

JOB NAME

LOCATION

DATE _____

RIG NO.

FOREMAN

[illegible]

HURON DRILLING INC. DRILLERS LOG

PAGE NO.

Grant-Roberts	Section 10 daa T119N, R51W LOCATION	Dec. 1, 1977 DATE	19 RIG NO.	Steven Kuehl FOREMAN
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Jt No.	DEPTH	TIME	REMARKS
			Test Hole # 1 - Observation Well #1
1	20		
2	35		
3	50		0-5 Brown Sand
4	65		5-8 Brown Sand
5	80		8-10 Blue sand
6	95		10-15 Blue clay
7	110		15-20 Blue sand
8	125		20-25 Blue sand
9	140		25-30 Blue sand
10	150		30-35 Mostly clay
			35-40 Clay
			40-45 Clay
			45-50 Clay
			50-55 Clay
			55-60 Clay
			60-65 Clay
			65-68 Clay
			68-70 Sand
			70-75 Sand
			75-80 Sand
			80-85 Sand
			85-90 Sand
			90-95 Sand some clay
			95-100 Clay
			100-105 Clay
			105-110 Clay
			110-115 Clay
			115-119 Clay
			119-125 Clay, coarse sand
			125 Boulder
			126-130 Clay sand clay mixed
			130-135 clay
			135-140 Clay
			140-150 Clay
			Cased with 2" Plastic for water sample 90 Ft.
			90 Ft. 2" Plastic
			20 Ft. Slotted

PAGE NO.

Steven Kuehl

FOREMAN

[illegible]

FIELD PUMPING TEST Water Level Measurements

Grant Roberts

Well No. Main Well
Sec. 10 daa, T119N, R51W

Location: 2 miles North of South
Date: 12/22/77 Shore

Pipe 6" orifice 4"

Time of measurement	Elapsed Time - Minutes	Tape Measurement		Elec. Lev. of Marker Inches	Depth of Water Feet	Draw-down Feet	Pumping Rate GPM	REMARKS
		Mark Held Ft	Wetted Port. Inches					
10:00	0				Flowing	0		
	1					No reading		
	2					22'4"		
	3					22'7"		
	4					22'11"		
	5					23'1½"		
	6					23'2½"		
	7					23'4"		
	8					23'6"		
	9					23'6"		
10:10	10					23'7"	450	
	12					23'8"		
	14					23'8½"		
	16					23'9"		
	18					23'10½"		
10:20	20					24'0"	450	
	25					24'4½"		
10:30	30					24'8"	450	
	35					24'11½"		
10:40	40					25'3"	450	
	45					25'5½"		
10:50	50					25'8"	450	
11:00	60	1 hour				26'0"	450	

FIELD PUMPING TEST
Water Level Measurements Grant-Roberts Rural Water Assoc.

Well No. Main Well

Location: 2 mi. North of South Shore
Date: 12/22/77

Time of Measurement	Elapsed Time - Minutes	Tape Measurement		Elec. Elev. of Marker Inches	Depth of Water Feet	Draw-down Feet	Pumping Rate GPM	REMARKS
		Mark Held Ft	Wetted Port. Inches					
11:10	70					26'4"	450	
11:20	80					26'9"		
11:30	90					27'1"		
11:40	100					27'5 1/2"	450	
12:00	120	2 hours				27'11"		
12:20	140					28'5"		
12:40	160					28'10"	450	
1:00	180	3 hours				29'3"		
1:20	200					29'6 1/2"		
1:40	220					29'10 1/2"	450	
2:10	250	4 hours 10 min.				30'4"	450	
3:00	300					31'0"		
3:50	350					31'7 1/4"		
4:40	400					32'2 1/2"		
5:30	450					32'8"	450	
6:20	500					33'2 1/2"		
7:10	550					33'8 1/2"	450	
8:00	600					34'0"		
8:50	650					34'5"		
9:40	700					34'9"		
11:20	800					35'6"		
1:00	900					35'8"		
2:40	1000					35'10"		

FIELD PUMPING TEST
Water Level Measurements Grant-Roberts Rural Water Assoc.

Well No. Main Well

Location: 2 mi. North of South Shore

Date: 12/22/77

[illegible]

SOUTH DAKOTA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Pierre, South Dakota 57501
DRINKING WATER SUPPLY CHEMICAL ANALYSIS DATA

SAMPLE DATA

LABORATORY ANALYSIS (1)

Results in mg/l unless noted

Public Water Supply:		Sodium (Na)	5.1
City Post Office:		Potassium (K)	2.4
Sample Collector:	Houston Eng. & Inc.	Calcium (Ca)	69.7
Date Collected:		Magnesium (Mg)	20.9
Depth:		Manganese (Mn)	0.49
Diameter:		Nitrate (as N)	<0.1
Date Built:		Fluoride (F) (2.4)	0.15
Surface Source:		Chloride (Cl)	3.8
Raw Sample:	☒	Sulfate (SO ₄)	42
Treated Sample:	☐	Bicarbonate (HCO ₃)	266
Treatment Process:		Carbonate (CO ₃)	
		pH (Standard Units)	8.00
Comments:		Solids: Total	339
		Diss.	
		Iron (Fe)	0.92
		Turbidity (TU)	5.7
		Langelier Index @ 50 °F.	+0.38
Report to:	Houston Engineering	Alkalinity (m) (CaCO ₃)	218
	2505 N. Lincoln St.	Alkalinity (p) (CaCO ₃)	
	P.O. Box 545054	Hardness (CaCO ₃)	260 mg/l 15.2 gpg
	Fargo, N.D. 58102	Conductivity @ 25 °C.	450 (µmho/cm)
Copies to:		Arsenic (0.05)	
		Barium (1.0)	
		Cadium (0.01)	
		Chromium (0.05)	
		Lead (0.05)	
Date Received:	12.7.77	Mercury (0.002)	
Analyst:	C.S.F.C.	Selenium (0.01)	
Report Sent:	12/13/77	Silver (0.05)	
Posted:		Endrin (0.0002)	NO, as N; <0.01
Filing:		Lindane (0.004)	
		Methoxychlor (0.1)	
		Toxaphene (0.005)	
Percentage of Error:	1.4/4.3	2, 4-D (0.1)	
Estimated Arrival:		2, 4, 5-TP (0.01)	

(1) Numbers in parenthesis denote maximum contaminant levels as set forth by the Federal Drinking Water Standards.

Lab. No. 774697

R E.C.C.

SOUTH DAKOTA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Pierre, South Dakota 57501
DRINKING WATER SUPPLY CHEMICAL ANALYSIS DATA

SAMPLE DATA

LABORATORY ANALYSIS (1)
(Results in mg/l unless noted)

Public Water Supply: <u>Grant-Roberts</u>		Sodium (Na)	6.6
<u>Rural Water System</u>		Potassium (K)	2.7
City Post Office:		Calcium (Ca)	70.6
Sample Collector: <u>Houston Engineering</u>		Magnesium (Mg)	18.7
Date Collected:		Manganese (Mn)	0.53
Depth:	Diameter:	Nitrate (as N)	<0.1
Date Built:		Fluoride (F) (2.4)	0.19
Surface Source:		Chloride (Cl)	5.9
Raw Sample:	Treated Sample:	Sulfate (SO ₄)	38
Treatment Process:		Bicarbonate (HCO ₃)	273
		Carbonate (CO ₃)	
		pH (Standard Units)	7.98
Comments: <u>Sec 10 dda T119N, R51W</u>		Solids: Total	332 Diss.
<u>Observation Well #2</u>		Iron (Fe)	0.49
		Turbidity (TU)	2.5
Report to: <u>Houston Engineering Inc</u>		Langelier Index @ 50 °F.	+0.37
<u>Box 50 54</u>		Alkalinity (m) (CaCO ₃)	224
<u>Fargo, N.D.A. 58102</u>		Alkalinity (p) (CaCO ₃)	
		Hardness (CaCO ₃)	253 mg/l 14.8 gpg
Copies to:		Conductivity @ 23 °C.	470 (µmho/cm)
		Arsenic (0.05)	
		Barium (1.0)	
		Cadium (0.01)	
		Chromium (0.05)	
Date Received: <u>12/20/77 (0860)</u>		Lead (0.05)	
Analyst: <u>SSFG</u>		Mercury (0.002)	
Report Sent: <u>12/27/77</u>		Selenium (0.01)	
Posted: <u>✓</u>		Silver (0.05)	
Filing: <u>34.2-</u>		Endrin (0.0002)	Not done = <0.01
		Lindane (0.004)	
		Methoxychlor (0.1)	
Percentage of Error: <u>0.2/4.3</u>		Foranphene (0.005)	
Estimated Arrival:		2, 4-D (0.1)	
		2, 4, 5-TP (0.01)	

(1) Numbers in parenthesis denote maximum contaminant levels as set forth by the Federal Drinking Water Standards.

Lab. No. 774846

R 70.00

NORTH DAKOTA STATE DEPARTMENT OF HEALTH
Division of Laboratories
Bismarck, North Dakota

County Cass

CHEMICAL ANALYSIS OF WATER

Sample Number 77-7817 Date Received 12/6/77 Date Reported 12/15/77
Source Observation Well Section 10 Township 119 Range 51 W
Submitted By Houston Engineering, Inc. Address P.O. Box SU 5054, Fargo, ND 58102
Owned By Grant - Roberts Rural Water System Address _____

ANALYSIS

pH				7.65	
CONDUCTIVITY				425	Microhm
TOTAL DISSOLVED SOLIDS	☒ Low ☒ Fairly Low	☐ Satisfactory ☐ Average	☐ High ☐ Very High	421	mg/l
IRON (Fe)		☐ Satisfactory	☐ High	0.4	mg/l
MANGANESE (Mn)		☐ Satisfactory	☐ High	0.46	mg/l
CALCIUM (Ca)				75	mg/l
MAGNESIUM (Mg)				20.5	mg/l
TOTAL HARDNESS (as CaCO ₃)	☒ Low ☒ Fairly Low	☐ Satisfactory ☐ Average	☐ High ☐ Very High	272	mg/l
POTASSIUM (K)				2.5	mg/l
SODIUM (Na)	☒ Low ☒ Fairly Low	☐ Satisfactory ☐ Average	☐ High ☐ Very High	5	mg/l
CHLORIDE (Cl)	☒ Low ☒ Fairly Low	☐ Satisfactory ☐ Average	☐ High ☐ Very High	less than 1	mg/l
SULFATE (SO ₄)	☒ Low ☒ Fairly Low	☐ Satisfactory ☐ Average	☐ High ☐ Very High	40	mg/l
TOTAL ALKALINITY (as CaCO ₃)	☒ Low ☒ Fairly Low	☐ Satisfactory ☐ Average	☐ High ☐ Very High	228	mg/l
BICARBONATE (HCO ₃)				278	mg/l
CARBONATE (CO ₃)					mg/l
NITRATE (N)		☐ Satisfactory	☐ High	less than 1	mg/l
FLUORIDE (F)				0.2	mg/l
TOTAL HARDNESS				15.9	grains/Gallon

This water would be: ☒ Excellent ☐ Good ☐ Satisfactory ☐ Usable, but not desirable ☐ Undesirable
For a: ☒ Private Domestic Supply ☐ Municipal Supply

This water would be: ☒ Excellent for most plants under most conditions.
☒ Good for irrigation but its effect on the soil, over a period of years, may prove harmful to the more sensitive plants.
☐ May be injurious for irrigation and its effect on the soil, over a period of years, may prove harmful to all but the most tolerant plant life.
☐ A water which would be unsatisfactory for irrigation and its effect on the soil would prove harmful to all but the most tolerant of plants.

This water: ☐ Would cause staining of laundry and plumbing fixtures due to its high iron or manganese content.
☐ May prove harmful to individuals on salt-free diets. Please consult your family doctor.
☐ May exert a laxative effect upon persons unaccustomed to its high sulfate content.

Statement: This analysis includes chemical content only, and does not determine the bacterial quality of the water.

FOR INFORMATION, WRITE TO THE
STATE DEPARTMENT OF HEALTH, BISMARCK, NORTH DAKOTA

DEC 22 1977

Per. [Signature] Chemist

FARGO, NORTH DAKOTA

NORTH DAKOTA STATE DEPARTMENT OF HEALTH
Division of Laboratories
Bismarck, North Dakota

County Cass

CHEMICAL ANALYSIS OF WATER

Sample Number 77-7817 Date Received 12/6/77 Date Reported 12/15/77
Source Observation Well Section 10 Township 119 Range 51 W
Submitted By #1 Houston Engineering, Inc. Address P.O. Box SU 5054, Fargo, ND 58102
Owned By Grant - Roberts Rural Water System Address _____

ANALYSIS

pH				7.65	
CONDUCTIVITY				425	micromhos
TOTAL DISSOLVED SOLIDS	☒ Low ☒ Fairly Low	☐ Satisfactory ☐ Average	☐ High ☐ Very High	421	mg/l
IRON (Fe)		☐ Satisfactory	☐ High	0.4	mg/l
MANGANESE (Mn)		☐ Satisfactory	☐ High	0.46	mg/l
CALCIUM (Ca)				75	mg/l
MAGNESIUM (Mg)				20.5	mg/l
TOTAL HARDNESS (as CaCO ₃)	☒ Low ☒ Fairly Low	☐ Satisfactory ☐ Average	☐ High ☐ Very High	272	mg/l
POTASSIUM (K)				2.5	mg/l
SODIUM (Na)	☒ Low ☒ Fairly Low	☐ Satisfactory ☐ Average	☐ High ☐ Very High	5	mg/l
CHLORIDE (Cl)	☒ Low ☒ Fairly Low	☐ Satisfactory ☐ Average	☐ High ☐ Very High	less than 1	mg/l
SULFATE (SO ₄)	☒ Low ☒ Fairly Low	☐ Satisfactory ☐ Average	☐ High ☐ Very High	40	mg/l
TOTAL ALKALINITY (as CaCO ₃)	☒ Low ☒ Fairly Low	☐ Satisfactory ☐ Average	☐ High ☐ Very High	228	mg/l
BICARBONATE (HCO ₃)				278	mg/l
CARBONATE (CO ₃)				less than	mg/l
NITRATE (N)		☐ Satisfactory	☐ High	1	mg/l
FLUORIDE (F)				0.2	mg/l
TOTAL HARDNESS				15.9	Grains/Gallon

This water would be: ☒ Excellent ☐ Good ☐ Satisfactory ☐ Usable, but not desirable ☐ Undesirable
For all: ☒ Private Domestic Supply ☐ Municipal Supply

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☒ May exert a laxative effect upon persons unaccustomed to its high sulfate content.

Statement: This analysis includes chemical content only, and does not determine the bacterial quality of the water.

DEPARTMENT OF HEALTH, WRITE TO THE
HEALTH DEPARTMENT, BISMARCK, NORTH DAKOTA

For: [Signature] Chemist

DEC 22 1977

FARGO, NORTH DAKOTA

SOUTH DAKOTA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Pierre, South Dakota 57501
DRINKING WATER SUPPLY CHEMICAL ANALYSIS DATA

SAMPLE DATA

LABORATORY ANALYSIS (1)

(Results in mg/l unless noted)

Public Water Supply:		Sodium (Na)	5.1
<i>Grant-Roberts Rural Water System</i>		Potassium (K)	2.4
City Post Office:		Calcium (Ca)	69.7
Sample Collector: <i>Houston Eng. & Inc.</i>		Magnesium (Mg)	20.9
Date Collected:		Manganese (Mn)	0.49
Depth:	Diameter:	Nitrate (as N)	<0.1
Date Built:		Fluoride (F) (2.4)	0.15
Surface Source:		Chloride (Cl)	3.8
Raw Sample: ☒	Treated Sample: ☐	Sulfate (SO ₄)	42
Treatment Process:		Bicarbonate (HCO ₃)	266
		Carbonate (CO ₃)	
		pH (Standard Units)	8.00
Comments:		Solids: Total	339 Diss.
<i>Sec 10 dsw, T119N, R51W</i>		Iron (Fe)	0.92
		Turbidity (TU)	5.7
Report to: <i>Houston Engineering</i>		Langelier Index @ 50 °F.	+0.38
<i>3505 N. 26th St. / 2nd</i>		Alkalinity (m) (CaCO ₃)	218
<i>P.O. Box 545054</i>		Alkalinity (p) (CaCO ₃)	
<i>Fargo, N.D. 58102</i>		Hardness (CaCO ₃)	260 mg/l 15.2 gpg
Copies to:		Conductivity @ 23 °C.	450 (µmho/cm)
		Arsenic (0.05)	
		Barium (1.0)	
		Cadmium (0.01)	
		Chromium (0.05)	
Date Received: <i>12.7.77</i>		Lead (0.05)	
Analyst: <i>CSFG</i>		Mercury (0.002)	
Report Sent: <i>12/13/77</i>		Selenium (0.01)	
Posted:		Silver (0.05)	
Filing: <i>3-02-78</i>		Endrin (0.0002)	<i>NC, as N: <0.01</i>
<i>1/2 Grant-Roberts Rural Water System</i>		Lindane (0.004)	
<i>Water System</i>		Methoxychlor (0.1)	
Percentage of Error: <i>1.4/4.3</i>		Toxaphene (0.005)	
Estimated Arrival:		2, 4-D (0.1)	
		2, 4, 5-TP (0.01)	

(1) Numbers in parenthesis denote maximum contaminant levels as set forth by the Federal Drinking Water Standards.

Lab. No. **774607**

R 8/0.00

SOUTH DAKOTA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Pierre, South Dakota 57501
DRINKING WATER SUPPLY CHEMICAL ANALYSIS DATA

SAMPLE DATA

LABORATORY ANALYSIS (1)
(Results in mg/l unless noted)

Public Water Supply: <u>Grant-Roberts</u>		Sodium (Na)	<u>6.6</u>
<u>Rural Water System</u>		Potassium (K)	<u>2.7</u>
City Post Office:		Calcium (Ca)	<u>20.6</u>
Sample Collector: <u>Houston Engineering</u>		Magnesium (Mg)	<u>18.7</u>
Date Collected:		Manganese (Mn)	<u>0.53</u>
Depth:	Diameter:	Nitrate (as N)	<u>< 0.1</u>
Date Built:		Fluoride (F) (2.4)	<u>0.19</u>
Surface Source:		Chloride (Cl)	<u>5.9</u>
Raw Sample:	Treated Sample:	Sulfate (SO ₄)	<u>38</u>
Treatment Process:		Bicarbonate (HCO ₃)	<u>273</u>
		Carbonate (CO ₃)	
		pH (Standard Units)	<u>7.98</u>
Comments: <u>Sec 10 dda T119N, R51W</u>		Solids: Total	<u>332</u> Diss.
<u>Observation Well #2</u>		Iron (Fe)	<u>0.49</u>
		Turbidity (TU)	<u>2.5</u>
Report to: <u>Houston Engineering, Inc</u>		Langelier Index @ 50 °F.	<u>+ 0.37</u>
<u>Box 511 5054</u>		Alkalinity (m) (CaCO ₃)	<u>224</u>
<u>Fargo, N.Dak 58102</u>		Alkalinity (p) (CaCO ₃)	
		Hardness (CaCO ₃)	<u>253 mg/l</u> <u>14.8</u> gpg
Copies to:		Conductivity @ 23 °C.	<u>470</u> (µmho/cm)
		Arsenic (0.05)	
		Barium (1.0)	
		Cadium (0.01)	
		Chromium (0.05)	
Date Received: <u>12/20/77 (0800)</u>		Lead (0.05)	
Analyst: <u>SSFG</u>		Mercury (0.002)	
Report Sent: <u>12/22/77</u>		Selenium (0.01)	
Posted: <u>3</u>		Silver (0.05)	
Filing: <u>34.2-</u>		Endrin (0.0002)	<u>NDN = < 0.01</u>
		Lindane (0.004)	
		Methoxychlor (0.1)	
Percentage of Error: <u>0.2 / 4.3</u>		Toxaphene (0.005)	
Estimated Arrival:		2, 4-D (0.1)	
		2, 4, 5-TP (0.01)	

(1) Numbers in parenthesis denote maximum contaminant levels as set forth by the Federal Drinking Water Standards.

Lab. No. 773846

50.00

Water Rights Division
605 773-3352

June 16, 1981

Alfred Redlin
Summit
South Dakota 57266

Dear Mr. Redlin:

In response to your letter dated June 15, 1981, the permit for Grant-Roberts Rural Water Ass'n was granted on January 25, 1978. This appears on page 4 of the January 25-26, 1978 minutes. Under this action they have five years to construct the system, so start of operation in 1980 is covered in the Permit.

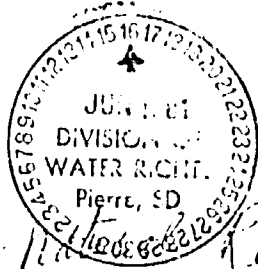
Enclosed also is a copy of the Water Laws for the State of South Dakota as requested.

Sincerely,

BURTON F. JONES.
Water Rights Specialist

kw

enclosure



Summit Lake
June 15 1981
Residence
Dept. of Water & Natural Resources
Pierre S. Dak.

While checking the minutes of the water management Board meetings from 1946 to 1980 I find that at the Nov. 24 to 28, 1979 meeting the permit #212-3 Grant-Robert Rural water system Milbank S.D. was granted a extension on their permit to be extended to Jan 25 1983. Yet nowhere in any of the meetings held in 1980 does there appear to be a granting of a permit to Grant-Robert Rural Water system. If they started operation this spring 1981 I would like to know when their permit was granted.

Also send a copy of laws governing the management of water rights

Sincerely
Alyce Redlin



Department of Water & Natural Resources

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

July 24, 1986

NOTICE

TO: David McCulloch, Manager
Grant-Roberts Rural Water Association
PO Box 145
Milbank SD 57252

FROM: John Hatch, Chief Engineer
Water Rights Division
605 773-3352

SUBJECT: Amendment of Water Permit No. 4212-3

Notice is hereby given that the Water Management Board will consider adding the following qualifications to Water Permit No. 4212-3, Grant-Roberts Rural Water Association:

1. That the total annual withdrawal of water under this permit is limited to 500 acre feet.
2. That the Grant-Roberts Rural Water Association submit an annual report of water use to the Chief Engineer.

The hearing to consider amendment of the above qualifications to Water Permit No. 4212-3 will be held September 3, 1986 at 2:00 pm, Room 216, Joe Foss Building, 523 E Capitol, Pierre SD.

The Board has legal authority and jurisdiction to consider this matter pursuant to SDCL 46-2-9 and 46-2-11. The 500 acre feet limitation was listed on Permit No. 4212-3 but was not included as a qualification when the application was approved by the Board. The \$300 fee that was paid when the application was made for Permit No. 4212-3, was based upon an annual withdrawal of 500 acre feet. This amendment to Permit No. 4212-3 is proposed to add the 500 acre feet limitation and ensure compliance with the acre feet limitation by requiring annual water use reports to be submitted. The hearing will be held pursuant to the provisions of SDCL 46-1-14 and 46-2-17.

After all evidence is taken at the hearing, the Board may issue a decision to add qualifications No. 1 and/or No. 2, postpone any action, or take no action. This hearing is adversary proceeding. Any party 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 State Supreme Court as provided by law.

South Dakota
Department of
Water & Natural Resources

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

September 8, 1986

4212-3

NOTICE

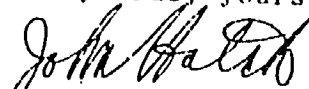
David McCulloch, Manager
Grant-Roberts Rural Water Association
PO Box 145
Milbank SD 57252

Dear Mr. McCulloch:

This letter is in response to action taken by the Water Management Board to amend Water Permit No. 4212-3. The Board amended Permit No. 4212-3 by adding the qualifications on the enclosed Attachment which should be placed with your permit.

Please submit the annual report of water use by January 15 for the preceding year. Let us know if you have any questions.

Very truly yours,



JOHN HATCH, Chief Engineer
Water Rights Division
605-773-3352

JH:ks

enclosure

ATTACHMENT TO WATER PERMIT NO. 4212-3

GRANT-ROBERTS RURAL WATER ASSOCIATION

Following a hearing by the Water Management Board on September 4, 1986, Water Permit No. 4212-3 was amended by adding the following qualifications:

The total annual withdrawal of water under this Permit is limited to 500 acre-feet.

The Grant-Roberts Rural Water Association shall submit an annual report of water use to the Chief Engineer.

CERTIFICATION

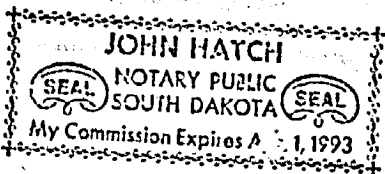
I hereby certify that on September 8, 1986 I have personally deposited with the U.S. Mail a postage prepaid envelope containing a Notice and Attachment to Water Permit No. 4212-3 addressed as stated on the Notice.

Barren Schloß

KAREN SCHLAAK
Senior Secretary

STATE OF SOUTH DAKOTA)
COUNTY OF HUGHES) SS

Sworn to, before me, this 8th day of September, 1986.

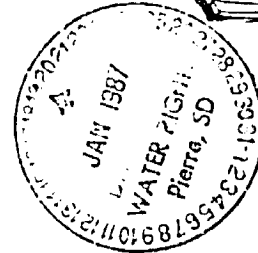
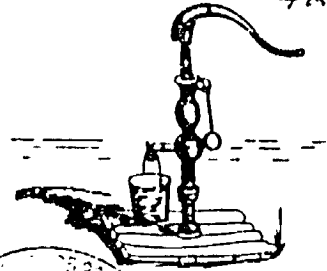


John H. A. P.
Notary Public

4212-2

**GRANT-ROBERTS
RURAL WATER SYSTEM, INC.**

Box 145 320 South Main
Milbank, SD 57252
605-432-6793



Dept Water & Natural Resources
John Hatch
Joe Foss Building
Water Right Division
Pierre, SD 57501

January 16, 1987

Dear Mr. Hatch:

The figure circled in red on the enclosed page, is the 1986 total gallons of water used for the Grant-Roberts Rural Water System, Inc.

If you need any further information, please let me know.

Sincerely,

David McCulloch/ws

David McCulloch, Egr.

DM/ws

4212-3

PERMITTED FOR 500 AF/YR

RURAL WATER SYSTEM MONTHLY REPORT

SD-DO-CR-112 (2-86)

NAME Creston WaterADDRESS Box 145 Milbank, SD 57252For the 12th Month(s) Ended October

NO. OF USERS	START OF PERIOD	GAIN OR LOSS	END OF PERIOD
Farm	<u>204</u>	<u>-1</u>	<u>205</u>
Monthly town & lake	<u>3</u>	<u>-1</u>	<u>2</u>
Annual cottage	<u>25</u>	<u>-1</u>	<u>26</u>
Annual pasture	<u>3</u>		<u>3</u>
Bulk users	<u>1</u>		<u>1</u>
TOTAL	<u>230</u>	<u>-1</u>	<u>231</u>

	Source 1	CURRENT PERIOD Source 2	Source 3	Ave/tap	YR TO DATE Gal	Per tap	LAST YR TO DATE Ave/tap
GAL WATER PURCHASED OR PRODUCED							
WATER SOLD:							
Rural		<u>5,100m</u>	<u>1,120m</u>	<u>8,785</u>	<u>84,008m</u>	<u>118,768</u>	<u>7,834</u>
Mo/Towns & Lake	<u>.350m</u>			<u>4,794</u>	<u>4,386m</u>	<u>60,082</u>	<u>2,747</u>
Bulk Purchases							
Annual Cottage							
Annual Pasture							
TOTALS	<u>.350m</u>	<u>5,100m</u>	<u>1,120m</u>	<u>13,579</u>	<u>88,474m</u>	<u>178,850</u>	<u>10,581</u>
TOT WTR PRODUCED		<u>7,900m</u>			<u>101,543m</u>		
TOT WTR SOLD		<u>6,570m</u>			<u>88,474m</u>		
EST WTR USED UNPAID BILLS		<u>.330m</u>					
WATER LOSS (unaccountable)		<u>1m</u>	<u>(19%)</u>		<u>9,228m</u>	<u>(10%)</u>	

Current Period

Last YTD

CASH & SAVINGS ON HAND BEGINNING PERIOD	\$ <u>194,355.45</u>	\$ <u>160,865.68</u>
CASH RECEIPTS THIS PERIOD	\$ <u>39,549.02</u>	\$ <u>38,123.83</u>
LESS EXPENDITURES	\$ <u>36,503.31</u>	\$ <u>36,640.50</u>
TOTAL CASH & SAVINGS END OF PERIOD	\$ <u>187,401.16</u>	\$ <u>162,349.01</u>

Number of Disconnects - Delinquent Acc'ts 6

Number of Delinquent Acc'ts 37

NO. OF WATER LINE BREAKS: This period 1 Yr to Date 15

NO. OF FREEZE-UPS: This period 0 Yr to Date 0

COMMENTS:

4213-3

General Robert: RUS

check

October 1987 to October 1988

Total Water Produced 128,209,000 gal = 393.5 AF

October 1986 to October 1987

Total Water Produced 118,631,000 gal = 364.2 AF

RURAL WATER SYSTEM MONTHLY REPORT

SD-DO-CP-112 (2-86)

NAME Grant-Roberts Rural Water Sys ADDRESS PO Box 145 Milbank, SD 57262

For the 12th Month(s) Ended October 1988

NO. OF USERS	START OF PERIOD	GAIN OR LOSS	END OF PERIOD
Farm	<u>725</u>	<u>-5</u>	<u>720</u>
Monthly town & lake	<u>70</u>	<u>-</u>	<u>70</u>
Annual cottage	<u>87</u>	<u>-2</u>	<u>85</u>
Annual pasture	<u>3</u>	<u>-</u>	<u>3</u>
Bulk users	<u>1</u>	<u>-</u>	<u>1</u>
TOTAL	<u>886</u>	<u>-7</u>	<u>879</u>

	Source 1	CURRENT PERIOD Source 2	Source 3	Ave/tap	YR TO DATE Gal	Per tap	LAST YR TO DATE Ave/tap
GAL WATER PURCHASED OR PRODUCED							
WATER SOLD:							
Rural		<u>7.770m</u>	<u>1.170m</u>	<u>12,416</u>	<u>111.544m</u>	<u>151,522</u>	<u>11,704</u>
Mo/Towns & Lake	<u>.184m</u>			<u>2,628</u>	<u>2.944m</u>	<u>42,057</u>	<u>4,166</u>
Bulk Purchases							
Annual Cottage							
Annual Pasture							
TOTALS	<u>.184m</u>	<u>7.770m</u>	<u>1.170m</u>	<u>15,044</u>	<u>114.488m</u>	<u>193,579</u>	<u>15,870</u>
TOT WTR PRODUCED		<u>9.492m</u>			<u>128.209m</u>		
TOT WTR SOLD		<u>9.124m</u>			<u>114.488m</u>		
EST WTR USED UNPAID BILLS		<u>.100m</u>					
WATER LOSS (unaccountable)		<u>.268m</u>	<u>(.4 %)</u>		<u>7.246m</u>	<u>(.8 %)</u>	

*TOTAL
Water
For 1988*



SD-DG-CF-112 (2-B6)

For the 12th Month(s) Ended October 1987

DEC 1987
DIVISION OF
ENTER RIGHTS
FBI - SD
PHOTOGRAPH

START OF PERIOD

GAIN OR LOSS

Farm

74.1

+1, -1

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Monthly town & lake

72

72

- Annual, cottage

90

90

Annual pasture

2

2

Bulk users

i

1

TOTAL

876

0

876

	CURRENT PERIOD				YR TO DATE		LAST YR TO DATE
	Source 1	Source 2	Source 3	Ave/tap	Gal	Per tap	Ave/tap
GAL WATER PURCHASED OR PRODUCED							
WATER SOLD:							
Rural		7.122m	1.200m	11,704	97.350m	136,919	8.785
Mo/Towns & Lake	.300m			4,166	4,910m	68,194	4,794
Bulk Purchases							
Annual Cottage							
Annual Pasture							
TOTALS	.300m	7.122m	1.200m	15,870	102,360m	205,113	13,579
TOT WTR PRODUCED		9.302m			118.681m		
TOT WTR SOLD		8.622m			102.260m		
EST WTR USED							
UNPAID BILLS	.300m						
WATER LOSS (unaccountable)	.380m			(8 %)	10,492m	(10 %)	

Total Water for 1987

Total
Water
for
1987

Current Period

Last YTD

CASH & SAVINGS ON HAND BEGINNING PERIOD	\$ 221,125.83	\$ 184,355.45
CASH RECEIPTS THIS PERIOD	\$ 47,699.10	\$ 39,549.02
LESS EXPENDITURES	\$ 38,749.85	\$ 36,503.31
TOTAL CASH & SAVINGS END OF PERIOD	\$ 230,075.08	\$ 187,401.16

Number of Disconnects - Delinquent Acc'ts	6
Number of Delinquent Acc'ts	33

NO. OF WATER LINE BREAKS: This period 1 Yr to Date 13
 NO. OF FREEZE-UPS: This period 0 Yr to Date 0

COMMENTS:

RURAL WATER SYSTEM MONTHLY REPORT

SD-NO-CF-112 (2-86)

NAME Grant-Roberts Rural Water System

ADDRESS Po Box 145 Milbank, SD

For the 12th Month(s) Ended October 1989

NO. OF USERS	START OF PERIOD	GAIN OR LOSS	END OF PERIOD
Farm	<u>728</u>	<u>+1</u>	<u>729</u>
Monthly town & lake	<u>69</u>		<u>69</u>
Annual cottage	<u>91</u>	<u>+1</u>	<u>92</u>
Annual pasture	<u>3</u>		<u>3</u>
Bulk users	<u>1</u>		<u>1</u>
TOTAL	<u>892</u>	<u>+2</u>	<u>894</u>

	Source 1	CURRENT PERIOD Source 2	Source 3	Ave/tap	YR TO DATE Gal	Per tap	LAST YR TO DATE Ave/tap
GAL WATER PURCHASED OR PRODUCED							
WATER SOLD:							
Rural		9.471m	1.201m	14,659	103,030m	140,362	12,416
Mo/Towns & Lake	.212m			3,072	2.882m	41,768	2,628
Bulk Purchases							
Annual Cottage							
Annual Pasture							
TOTALS	.212m	9.471m	1.201m	17,731	105.912m	182,130	15,044
TOT WTR PRODUCED		11.715m			116.743m		Total
TOT WTR SOLD		10.884m			105.912m		Water
EST WTR USED UNPAID BILLS		.331m					For
WATER LOSS (unaccountable)		500m	(.8%)		6.690m	(.7%)	1989



4212-3

SOUTH Dakota Department of
Water & Natural Resources

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

December 5, 1990

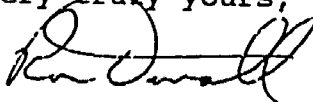
GRANT-ROBERTS RWS
DAVID MCCULLOCH
PO BOX 145
MILBANK SD 57252

Dear MR. MCCULLOCH:

Pursuant to a qualification on Water Permit/Right No(s). 4212-3, we are requesting that the GRANT-ROBERTS RWS report to the Chief Engineer the amount of water withdrawn for the year 1990. Please respond by JANUARY 31, 1990.

If you have any questions concerning this or other water rights questions, please contact Regan Fanning, Natural Resource Analyst, (605) 773-3352.

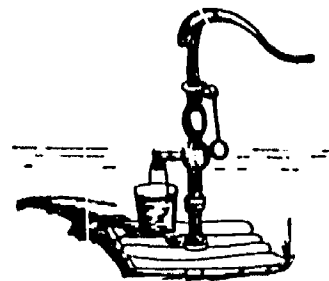
Very truly yours,



Ron Duvall,
Natural Resource Engineer
for JOHN HATCH, Chief Engineer
Water Rights Division

**GRANT-ROBERTS
RURAL WATER SYSTEM, INC.**

Box 145 320 South Main
Milbank, SD 57252
605-432-6793



January 21, 1991

Depeartment of Water
& Natural REsources
Joe Foss Building
523 East Capitol
Pierre, SD 57501

RE: Gallons Withdrawn Permit/Right No(s)4212-3

Dear Mr. Duvall:

As requested, I am reporting that the Grant-Roberts Rural Water System withdrew 141.7 million gallons of water in 1990.

Sincerely,
Wendy Storm
Wendy Storm, Manager



4212-3

DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

January 7, 1992

Grant-Roberts RWS
David McCulloch
PO Box 145
Milbank SD 57252

Dear Mr. McCulloch:

Pursuant to a qualification on Water Permit/Right No(s). 4212-3, we are requesting that the Grant-Roberts RWS report to the Chief Engineer the amount of water withdrawn for the year 1991. Please respond by February 10, 1992.

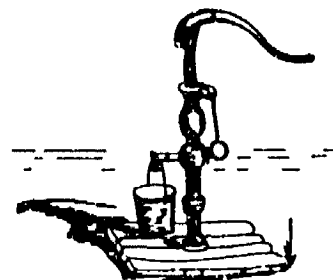
If you have any questions concerning this or other water rights questions, please contact Don Frye, Natural Resources Analyst, (605) 773-3352.

Very truly yours,

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

**GRANT-ROBERTS
RURAL WATER SYSTEM, INC.**

Box 145 320 South Main
Milbank, SD 57252
605-432-6793



February 3, 1992



DENR

Joe Foss Building
523 East Capitol
Pierre, SD 57501

Ron Duvall:

Water withdrawn on Water Permit/Right No. 4212-3 was 136 million gallons for the year ending 1991.

Also, can you let me know if our change on this Permit has been accepted and the extra water rights requested?

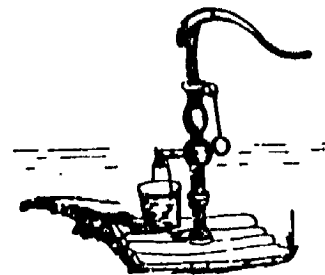
*2/5/92 - called and left
message for Mr. Storm that
5576-3 has been approved.
Don Fry*

Sincerely,

Wendy Storm
Wendy Storm-Manager

**GRANT-ROBERTS
RURAL WATER SYSTEM, INC.**

Box 145 320 South Main
Milbank, SD 57252
605-432-6793



January 8, 1993



Department of Environment
and Natural Resources
Joe Foss Building
523 East Capitol
Pierre, SD 57501-3181

Ron Duvall:

In answer to your request for water diverted under Permit/Right
No(s) 4212-3 and 5576-3 for 1992 is 142,285,000 gallons.

Sincerely,

Wendy Storm
Wendy Storm-Manager



JUN 11 1993

4212-3
DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

5576-3

Wendy Storm, Manager
Grant-Roberts Rural Water System, Inc.
P.O. Box 145
Milbank, SD 57252

Dear Ms. Storm:

Enclosed is Water License No. 5576-3. This is the final water right document completing your process of obtaining a Water Right. Enclosed is Receipt No. 413588 in the amount of \$50.00 which you paid for the inspection and issuance of the Water License.

For your information SDCL 46-6-27 requires that if the owner of an existing well, such as the well authorized by Water Right No. 5576-3, constructs a replacement well and does not plan to use the old well, the old well is considered abandoned and must be plugged. Also, any well that is being used or is not considered abandoned must be valved and controlled, if flowing, or sealed and capped so that no leaking occurs either underground or at the surface.

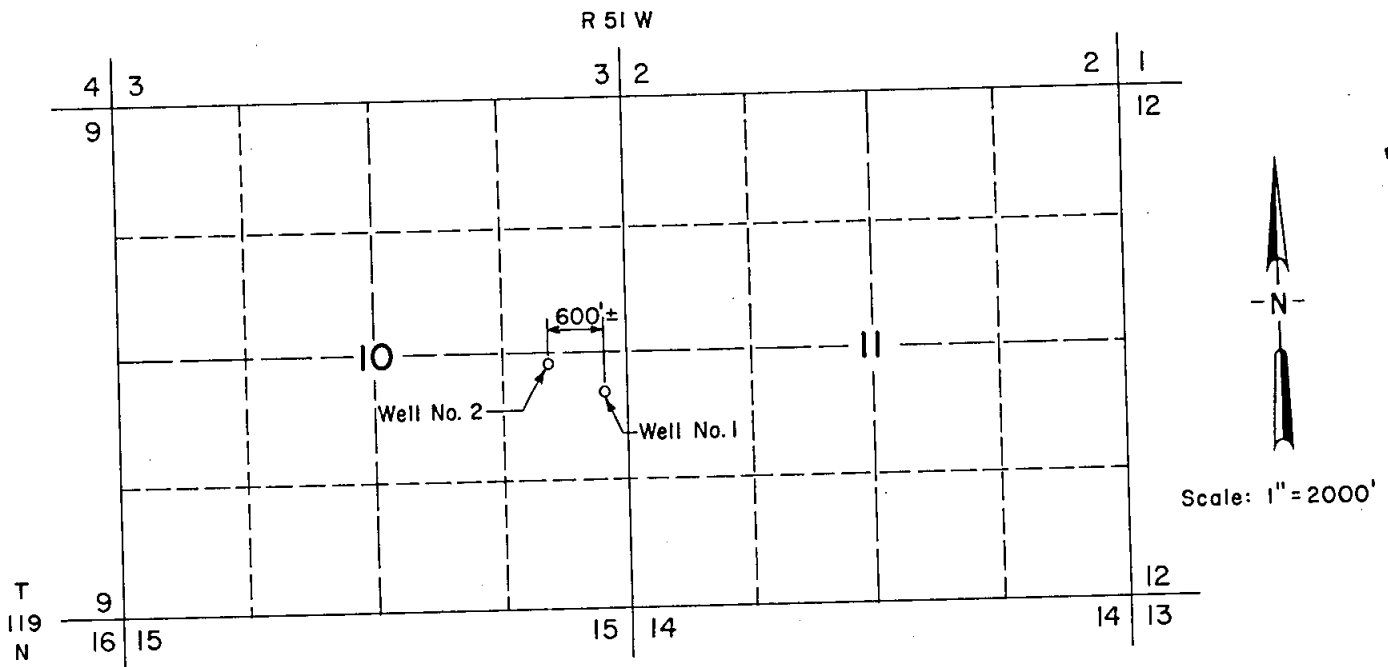
As long as you use the water beneficially, as stated in the "Water License, the State Water Laws provide that you have a continuing right to use the water. If you have any questions, please contact our office.

Very truly yours,

John Hatch
JOHN HATCH, Chief Engineer
Water Rights Division
(605) 773-3352

gm
enclosures

NOTE: The applicable portions of Water Permit No. (4212-3) have been incorporated into this Water License No. 5576-3.



LEGEND

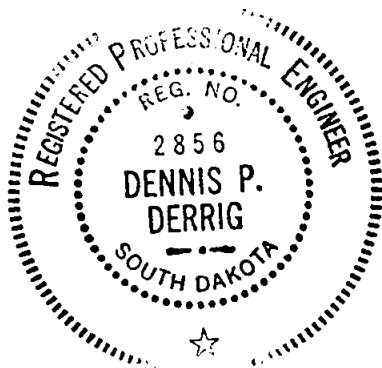
tentative
well locations ○

NOTE:

Grant-Roberts Rural Water Association
distribution system service area covers
Grant county and a south portion of
Roberts county and a northeast portion
of Codington county.

I hereby certify that this plan, specification,
or report was prepared by me or under my
direct supervision and that I am a duly
Registered Professional Engineer under the
laws of the State of South Dakota.

Dennis P. Derrig
Date 1/3/78 Reg. No. 2856



MAP

To Accompany Application
No. _____ for:

Grant-Roberts Rural Water Association
Milbank, South Dakota

APPLICANT