

WATER PERMIT NO. 2293-2

Phone: 842-2755

Name of Applicant: Tripp County Water User District

Post Office Address: PO Box 1746, Winner SD 57580

Amount of Water Claimed: 1.33 cfs - 600 gpm Total Acres: _____

Source of Water Supply: groundwater

Water to be used for: rural water system use County: Tripp

About 10 miles south of Winner

PRIORITY Date Received: 9-⁷~~28~~-93 Fee: \$375 Remarks: _____

Corrected Application Received: _____ Period of Annual Use: Jan 1 - Dec 31

WATER QUALITY APPROVAL RECEIVED: NA APPROVED/CONDITIONAL (Circle one)

WI-1 Description same as Application YES _____ NO _____ REMARKS: _____

Diversion Point: NE 1/4 SE 1/4 Sec 12-T97N-R77W

Land to be Irrigated: _____

			12		
				2	

Well Log: Driller: Geological Survey Licensed YES _____ NO _____

Depth of Well: 200' REMARKS: _____

Type of Map: topo PREPARED BY: Jerold R. Backes Reviewed and the Number

Assigned on: 10-5-93 By: Karen Schlaak

No. <u>2293-2</u>	Hydrologic Unit <u>10140204</u>
Map No. _____	Basin <u>White River</u>
Newspaper <u>see list</u>	

Application For Permit To Appropriate Water Within The State Of South Dakota

Check use of water: Industrial ☐ Commercial ☐ Municipal ☐ Other Common Distribution System ☐
 Rural Water System ☒ Suburban Housing ☐ Geothermal Heat ☐ Institutional ☐ Recreational ☐
 Domestic ☐ (above 18gpm) Other ☐

*Application first
received
September 7, 1993
JH*

Type of Application: Check one or more of the following

New ☒ Vested Right ☐ Future Use ☐ Change Use ☐☐ Amend Permit No. _____ with old priority date retainedChange diversion point(s) ☐ Add diversion point(s) ☐ Other ☐ _____☐ Application to: Change diversion point(s) ☐ Add diversion point(s) ☐ on Permit No. _____☐ Construction to use water reserved by Future Use Permit No. _____1. Name of Applicant Tripp County Water User District Phone No. 605/842-2755Post Office Address P.O. Box 1746 Winner State SD 57580
(Street, RR or Box) (City) Zip Code2. Amount of water claimed (c.f.s) 1.33 c.f.s. (600 gpm)3. Source of water supply Ground Water4. Location of point of diversion 1600' north and 1250' west of the southeast corner of
section 12 T97N R77W (NE 1/4 SE 1/4)County Tripp5. Counties where water will be used Tripp, Gregory, Mellette and Todd, Lyman6. Annual period during which water is to be used continuously Jan 1-Dec 31

7. Give a brief description of proposed project. When available include any preliminary engineering report or other reports or information that will help explain the project. (Attach sheet if more space is needed)

Project served is an existing rural water system which has been expanded to serve approximately 1200 rural users, several Native American communities, and three organized towns in the four-county area.

Attachments: Attach Form 2A if diversion from a well or dugout, or if storage of water, is proposed. Attach map (see instruction)

STATE OF SOUTH DAKOTA)
County of TRIPP)^{ss}

I, Verlyn Kuil, Chairman for the TCWUD

the applicant, certify that I have read this application, have examined the attached map and that the matters stated are true and that I intend, and am able to complete the necessary construction.

Signed Verlyn KuilSubscribed and sworn to before me this 13th day of September 1993

Neil F. [Signature]
Notary Public

**SOUTH DAKOTA
WATER PERMIT NO. 2293-2**

Date of first receipt of application September 7, 1993.

Date of return to applicant for corrections, amendments or changes September 13, 1993.

Date of receipt of corrected application September 28, 1993.

The Water Management Board approved Water Permit Application No. 2293-2 on December 1, 1993 for the Tripp County Water User District, PO Box 1746, Winner SD 57580 authorizing the construction of the water use system and the placing of water to beneficial use subject to the following limitations, conditions and qualifications:

1. Water Permit No. 2293-2 appropriates 1.33 cubic feet of water per second (600 gallons per minute) from one well (Ogallala Formation) 200 feet deep located in the NE 1/4 SE 1/4 Section 12-T97N-R77W. The District currently holds Permit Nos. 1300-2, 1560-2, 1792-2 and 2046-2. This permit for additional water allows the Tripp County Water Users District to provide expanded service. The District serves the towns and communities of Colome, Dallas, Witten, Wood, Ideal, Okreek, Winner and Dixon and approximately 1200 users.
2. The water appropriated shall be used for the purpose of supplying water to the district and may not exceed the amount of water needed for beneficial use for rural water system purposes.
3. The water is to be used during the following described annual period: January 1 - December 31.
4. The date from which applicant may claim right is September 7, 1993.
5. One-fifth of the construction is to be completed on or before June 1, 1996.
6. All construction is to be completed on or before December 1, 1998.
7. Water is to be put to beneficial use on or before December 1, 2002.
8. Water rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

QUALIFICATIONS

1. The well authorized by Permit No. 2293-2 shall be constructed by a licensed well driller and construction shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) pursuant to Section 74:02:04:28.
2. The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.

WATER MANAGEMENT BOARD

By: _____

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

JAN 4 1994

date

Supplemental Information

(type or print in ink)

1. Well Information - Proposed construction

- a) Drill Hole Diameter 24" Depth 200'
- b) Casing Type Steel Diameter 16" Thickness 0.375" min.
- c) Screen Type wire wound s.s. Diameter 16" Thickness 0.375" min.
- d) Gravel Pack Thickness 4" Length of Gravel Pack 30'
- e) Depth to Top of Water Bearing Material 14'
- f) Depth to Water (ground surface to water level) 40'
- g) Distance to nearest existing domestic well:
 On applicants property 2400' On property owned by others 2500'

2. Dugout Information Estimates

- a) Surface Dimensions _____ Depth _____
- b) Depth to water (ground surface to water level) _____

3. Water Storage Dams

If the proposed water use system contains one or more storage dams, please furnish the information requested below. The locations of each dam should be shown on the map submitted with the application.

- a) If a private engineering firm or government agency was involved in the design of this dam please give their name and address

b) Freeboard _____

c) Crest Width _____

Crest Length _____

d) Height _____

e) Primary Outlet Capacity _____
 If Pipe, diameter _____

f) Secondary Spillway Capacity _____
 Spillway width _____

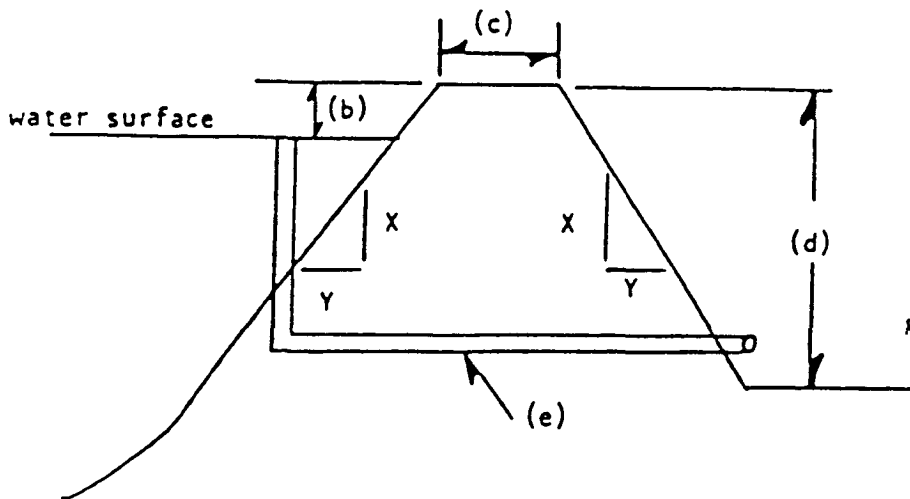
g) X & Y Slope
 Upstream _____

Downstream _____

Surface Area of Impoundment _____

Storage _____ acre feet

Drainage area above dam _____



Signature of Applicant

SOUTH D KOTA WATER WELL COMPLETION REPORT

Well #6

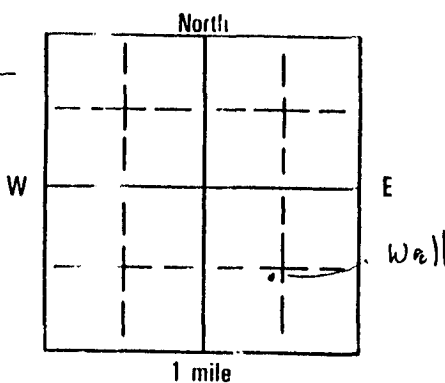
10-85

Location SD 4, S6 Sec 12 Twp 97N Rg 77W

County

Tripp

Please mark well location with an "X"

Well Completion Date Jan 18, 1995

PROPOSED USE:

☐ Domestic ☒ Municipal ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Stock

Method of Drilling:

Rev

CASING DATA:

☒ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>62.58</u> LB/FT	<u>1 1/2</u> IN	<u>0</u> FT	<u>138</u> FT	<u>30</u> IN
<u>62.58</u> LB/FT	<u>1 1/2</u> IN	<u>78</u> FT	<u>183</u> FT	<u>30</u> IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUT:

Was the well grouted? ☒ YES ☐ NOTo what depth? 130 FEETWhat is grouting material? Best 100 to 130 Cement 100%If cement, number of sacks? 250 SacksDescribe grouting procedure Best 2 Chunks Pouredin between 100-130 Trimmings
Cement Grout from 100' to 60'

What was grout weight? _____ LB/GAL

SCREEN: ☐ Perforated pipe ☒ ManufacturedDiameter 1 1/2 IN Length 50 FEET

Material _____

Slot Size 0.030 Se From 138 Feet To 178 FeetSlot Size 0.030 Se From 183 Feet To 193 Feet

Slot Size _____ Se From _____ Feet To _____ Feet

Other information _____

Well Owner:

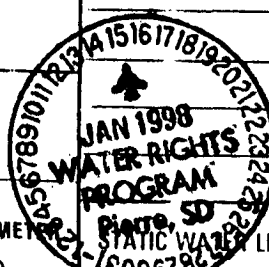
Name Tripp Co Water Users DistrictAddress P.O. Box 1746 Winner S.D. 57580

Well Log:

Depth

Formation

Formation	From	To
Coarse Sand & Clay	0	40
Coarse Sand w/trace of Clay	40	60
Coarse Sand	60	69
Clay w/thin Sand layers	69	80
Coarse Sand w/thin Clay	80	100
Clay & Sandy	100	120
Clay & Silt stone w/thin Sand	120	128
Coarse Sand w/trace of Silt Stone	128	140
Coarse Sand & Sandstone	140	180
Sand Clay	180	182
Coarse Sand & Clay Streaks	182	186
Clay	186	188
Sandy Clay	188	195

STATIC WATER LEVEL 1.7 FeetIf flowing, closed in pressure 1 PSIGPM flow 678 through _____ inch pipeControlled by ☒ Valve ☐ Reduc ☐ OtherIf other, specify Not FlowingCan well be completely shut in? Yes

WELL TEST DATA:

☒ Pumped☐ Bailed☐ OtherDescribe: 8" 354 Pump

Pumping Level Below Land Surface

82.8 ft. After 2 1/2 Hrs. pumped 678 GPM

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

REMARKS:

6 Well were monitored
By Lay & Scholz of
Geological Survey

Was a packer or seal used? ☐ YES ☒ NO

If so, what material? _____

Describe packer(s) and location? _____

Was well disinfected upon completion? ☒ YES ☐ NOExplain: HTH in Gravel & HTH Water in HoleBacteriological analysis ☒ YES ☐ NOLaboratory sent to StateThis well was drilled under license # 273

And this report is true and accurate.

Drilling firm Chas SA Gault Irrigation Inc

Signature of License Representative: _____

Signature of Well Owner: _____

Date _____

SOUTH DAKOTA WATER WELL COMPLETION REPORT

10-85

Location NB 1/4 Sec 12 Twp 22N Rg 17W

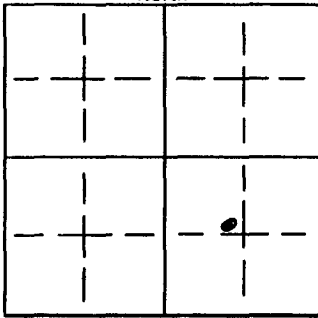
County

North

Tripp

W

E



1 mile

Please mark well location with an "X"

Well Completion Date

8/18/94

PROPOSED USE:

☐ Domestic ☒ Municipal ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Stock

Method of Drilling:

Str Rotary

CASING DATA:

☐ Steel ☒ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>Sch 40</u>	<u>20</u> IN	<u>+2</u> FT	<u>45</u> FT	<u>5</u> IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUT:

Was the well grouted? ☒ YES ☐ NOTo what depth? 40 FEETWhat is grouting material? Cement + BentIf cement, number of sacks? 4Describe grouting procedure Cant to 30' Bent
Chunks 30' + 0.6L

What was grout weight? _____ LB/GAL

SCREEN: ☒ Perforated pipe ☐ ManufacturedDiameter 2 IN Length 40 FEETMaterial POCSlot Size 0.070 Set From 45 Feet To 85 Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Other information _____

Was a packer or seal used? ☐ YES ☒ NO

If so, what material? _____

Describe packer(s) and location? _____

Was well disinfected upon completion? ☒ YES ☐ NOExplain 210 HTHBacteriological analysis ☐ YES ☒ NO

Laboratory sent to _____

Well Owner:

Name Tripp Co. Water Users DistrictAddress P.O. Box 1746 Winner, S.D. 57580

Well Log:

Depth

Formation

From

To

Clay & Sand

0

20

Sand & Clay

20

40

Sand w/trace of clay

40

80

Sand & Clay

80

85

STATIC WATER LEVEL 17 Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

If other, specify _____

Can well be completely shut in? _____

WELL TEST DATA:

☐ Pumped☐ Bailed☒ Other

Describe:

Air Lifted 15min10 GPM App

Pumping Level Below Land Surface

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

REMARKS:

This well was drilled under license # 273

And this report is true and accurate.

Drilling firm

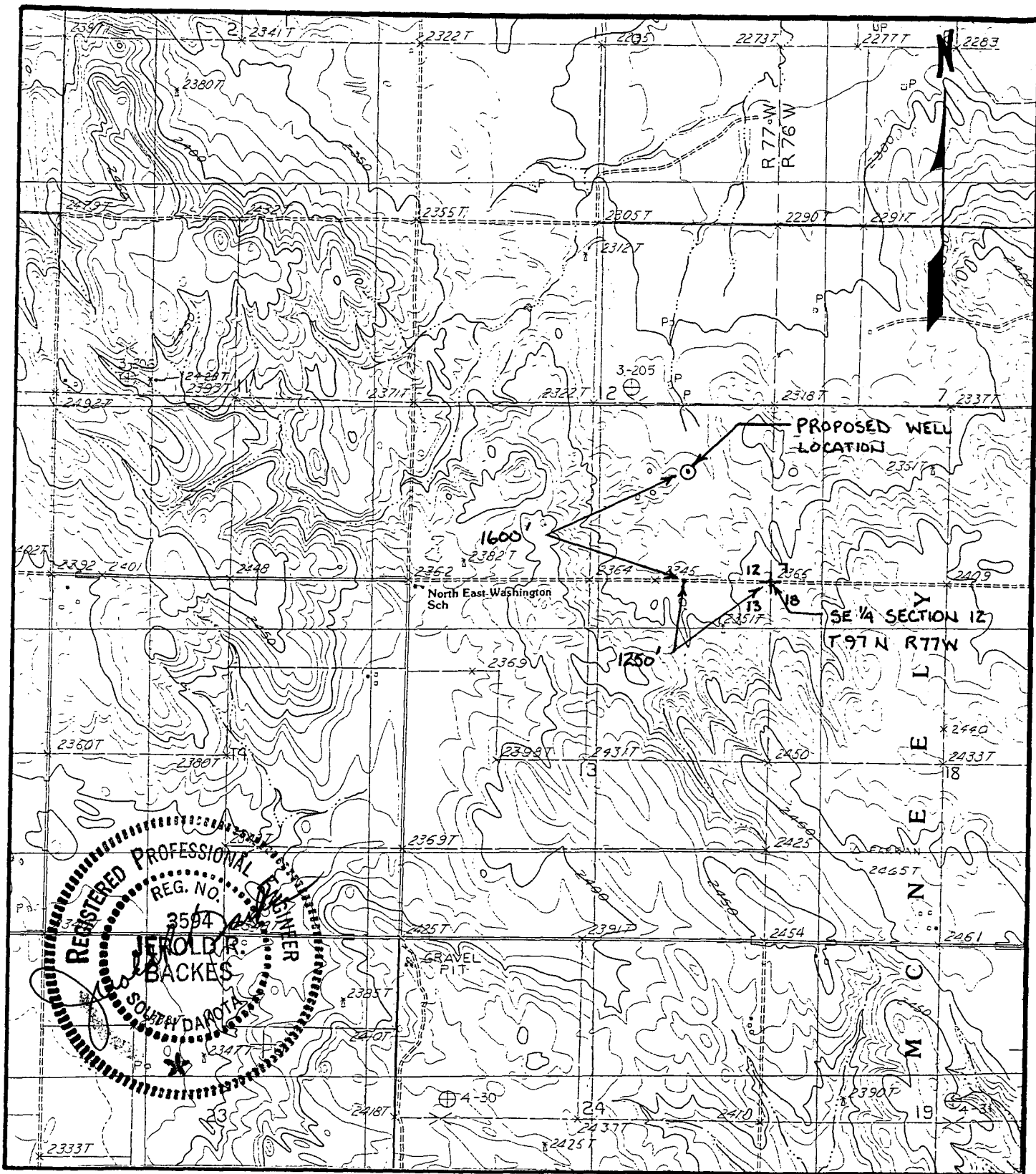
Chas Sargent & Son Inc

Signature of License Representative:

Signature of Well Owner:

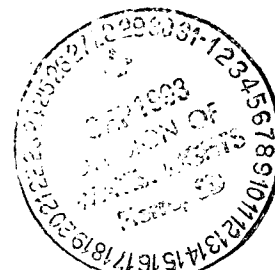
Date

3-13-95



VICINITY MAP

Scale 1" $\approx$ 2,000'



2293-2

RECEIVED

413904

Division of Water Rights

South Dakota Department of Environment and Natural Resources

Pierre, September 28, 1993

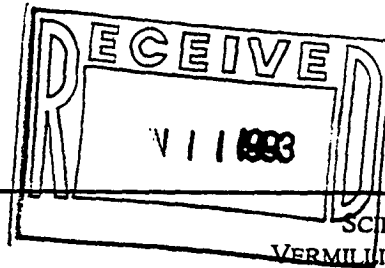
RECEIVED OF Tripp Co. Water User Dist, Winner, SD 57580

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

Fee for Application for Permit No. 2293-2 to Appropriate Water, to construct and to put water to beneficial use	375	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		
Fee for Filing Extension Request		
Fee for		
(Any Other Work Provided by Law)	Total	375 00

By John Hatch
Chief Engineer

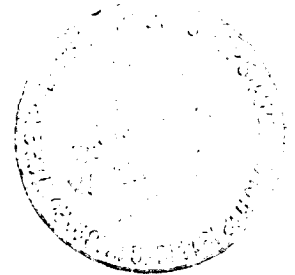
South Dakota Department of
Environment and Natural Resources
DIVISION OF GEOLOGICAL SURVEY



SCIENCE CENTER, USD
VERMILION, SD 57069-2390
(605) 677-5227
FAX (605) 677-5895

June 9, 1993

Jerold R. Backes, P.E.
Project Manager
Bartlett and West Engineers, Inc.
2718 Gateway Avenue, Suite 201
P.O. Box 1077
Bismarck, North Dakota 58502



Dear Mr. Backes:

At your request, enclosed are the electric log and lithologic log for observation well R20-92-27. There is some general lithology on the electric log, but for more detailed information refer to the lithologic log. If you want further information for the lithology below 184 feet, the electric log and lithologic log for R20-92-23 should provide it. These two holes were drilled only a few feet apart. If you need any further information, please contact Assad or me.

Sincerely,

A handwritten signature in cursive script, reading "Layne D. Schulz".

Layne D. Schulz
Geologist

For the State Geologist

LDS:co

Enclosures

*South Dakota Geological Survey
Akeley Science Center, USD
Vermillion, SD 57069-2390
(605) 677-5227*

R20-92-27

COMPANY : SDGS
WELL : R20-92-27
LOCATION/FIELD : 097N-77W-12DCAA 1
COUNTY : TRIPP
STATE : SD
SECTION : 12

OTHER SERVICES:

TOWNSHIP : 097N

RANGE : 77W

DATE : 07/29/92
DEPTH DRILLER : 183
LOG BOTTOM : 183.60
LOG TOP : 5.90

PERMANENT DATUM :
ELEV. PERM. DATUM :
LOG MEASURED FROM: Ground
DRL MEASURED FROM: Ground

ELEVATIONS:
KB :
DF :
GL : 2325 T

CASING DRILLER : 183
CASING TYPE : PVC
CASING THICKNESS: 0.00

LOGGING UNIT : CENT
FIELD OFFICE : Vermillion
RECORDED BY : L. SCHULZ

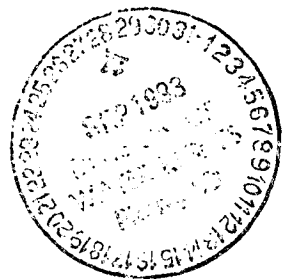
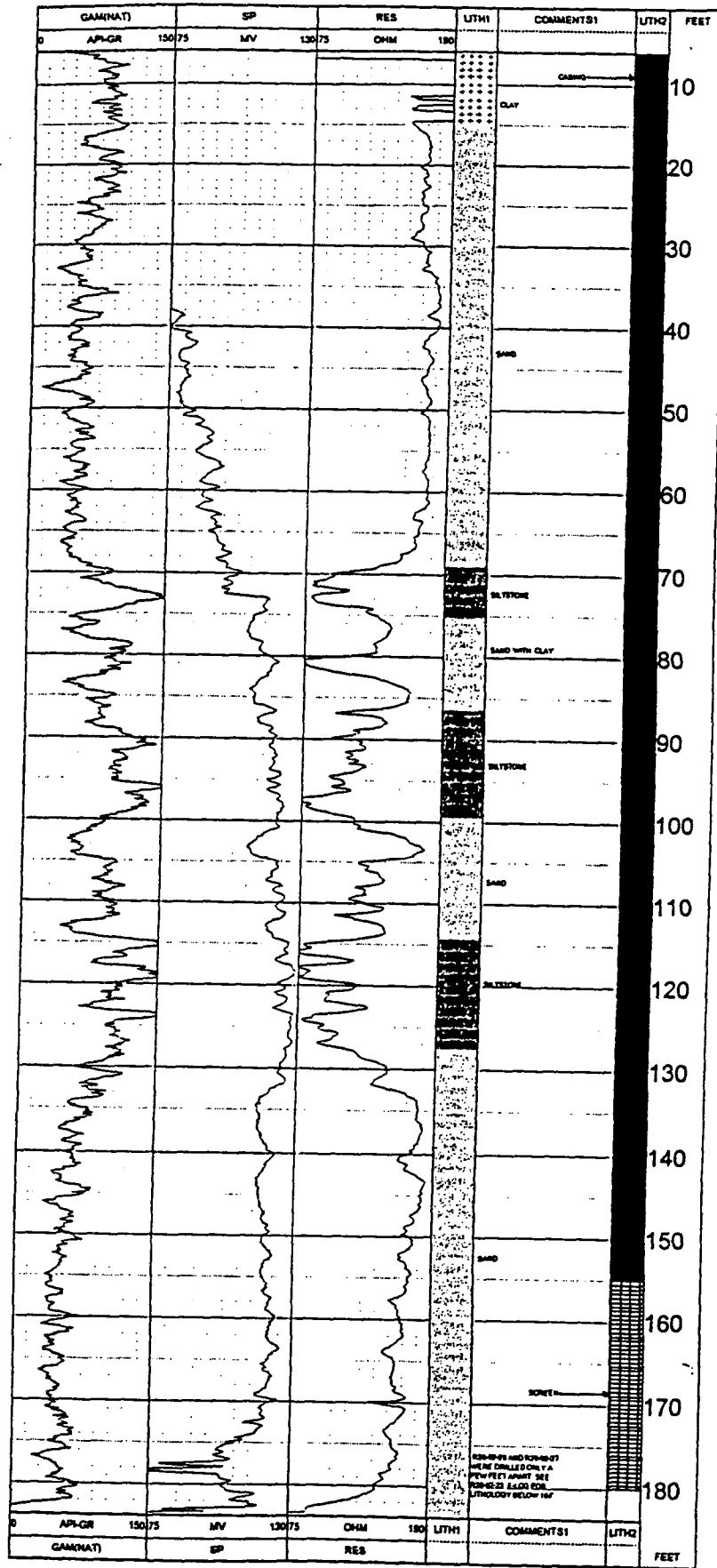
BIT SIZE : 5.0
MAGNETIC DECL :
MATRIX DENSITY :
FLUID DENSITY :
NEUTRON MATRIX :
REMARKS:

BOREHOLE FLUID :
RM :
RM TEMPERATURE :
MATRIX DELTA T :
FLUID DELTA T :

FILE : ORIGINAL
TYPE : 9080A
LOG : tr27
PLOT :
THRESH:

OBSERVATION WELL R20-92-27 FOR TRIPP RURAL WATER

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



COUNTY: TRIPP
 LEGAL LOCATION: NE NE SW SE SEC. 12, T. 097 N., R. 77 W.
 LATITUDE: 43.1350
 LAND OWNER: B. MULSO
 PROJECT: TRIPP RURAL WATER SYSTEM
 DRILLING COMPANY: SDGS
 DRILLER: D. IVERSON
 GEOLOGIST: L. SCHULZ
 DATE DRILLED: 07-29-1992
 GROUND SURFACE ELEVATION: 2329.00 T
 TOTAL DRILL HOLE DEPTH: 184.0
 WATER RIGHTS WELL:
 OTHER WELL NAME:
 BASIN: WHITE
 MANAGEMENT UNIT:
 SCREEN TYPE: PVC, MFG., SLOT SIZE 0.010 IN.
 CASING TYPE: PVC
 CASING TOP ELEVATION: 2331.00 T
 CASING STICK-UP: 2.50
 WELL MAINTENANCE DATE:
 USGS HYDROLOGIC UNIT CODE: 10140204
 ELECTRIC LOG INFORMATION:
 SPONTANEOUS POTENTIAL: X
 NATURAL GAMMA: X
 SAMPLES:

LOCATION: 097N-77W-12DCAA 1
 LONGITUDE: 99.5342

DRILLERS LOG:
 GEOLOGISTS LOG: X
 DRILLING METHOD: ROTARY

TEST HOLE NUMBER: R20-92-27
 SDGS WELL NAME: R20-92-27

AQUIFER: OGALLALA

SCREEN LENGTH: 25.0
 CASING DIAMETER: 2.0

TOTAL CASING AND SCREEN: 182.5

SINGLE POINT RESISTIVITY: X
 EXTRA:

WELL INFORMATION: TOTAL CASING AND SCREEN = 182.5
 FEET. 25 FEET OF SCREEN FROM 182.5 TO 157.5 FEET
 BELOW CASING TOP. FILTER PACK FROM 182.5 TO 123
 FEET BELOW CASING TOP. BENTONITE GROUT FROM 123
 FEET TO LAND SURFACE. 1 STEEL WELL PROTECTOR
 INSTALLED.

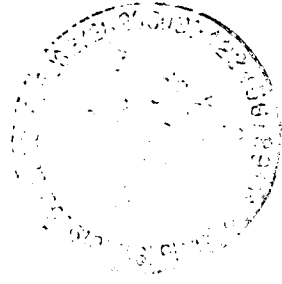
2329.00 - 2328.00	0 - 1.0	TOPSOIL
2328.00 - 2314.00	1.0 - 15.0	CLAY, TAN-BROWN, SILTY, SANDY
2314.00 - 2260.00	15.0 - 69.0	SAND, BROWN, FINE-GRAINED, WELL-ROUNDED; MAINLY QUARTZ WITH SOME LITHIC FRAGMENTS
2260.00 - 2253.00	69.0 - 76.0	SILTSTONE, DARK-OLIVE-GREEN, CLAYEY, VERY SANDY
2253.00 - 2243.00	76.0 - 86.0	SAND, LIGHT-BROWN, FINE-GRAINED, WELL- ROUNDED; SOME CLAY
2243.00 - 2231.00	86.0 - 98.0	SILTSTONE, DARK-OLIVE-GREEN, SANDY; SOME CLAY AND FINE SAND LAYERS INTERBEDDED
2231.00 - 2215.00	98.0 - 114.0	SAND, LIGHT-BROWN, FINE-GRAINED, WELL- ROUNDED; MAINLY QUARTZ WITH SOME LITHIC FRAGMENTS; SOME INTERBEDDED CLAYSTONE AND SILTSTONE LAYERS
2215.00 - 2202.00	114.0 - 127.0	SILTSTONE, DARK-OLIVE-GREEN, VERY SANDY; SOME INTERBEDDED SANDSTONE, CLAY, AND UNCONSOLIDATED SAND LAYERS
2202.00 - 2145.00	127.0 - 184.0	SAND, LIGHT-BROWN, FINE TO MEDIUM, WELL- ROUNDED; MAINLY QUARTZ WITH SOME LITHIC

**South Dakota Geological Survey
Preliminary Results of Investigation**

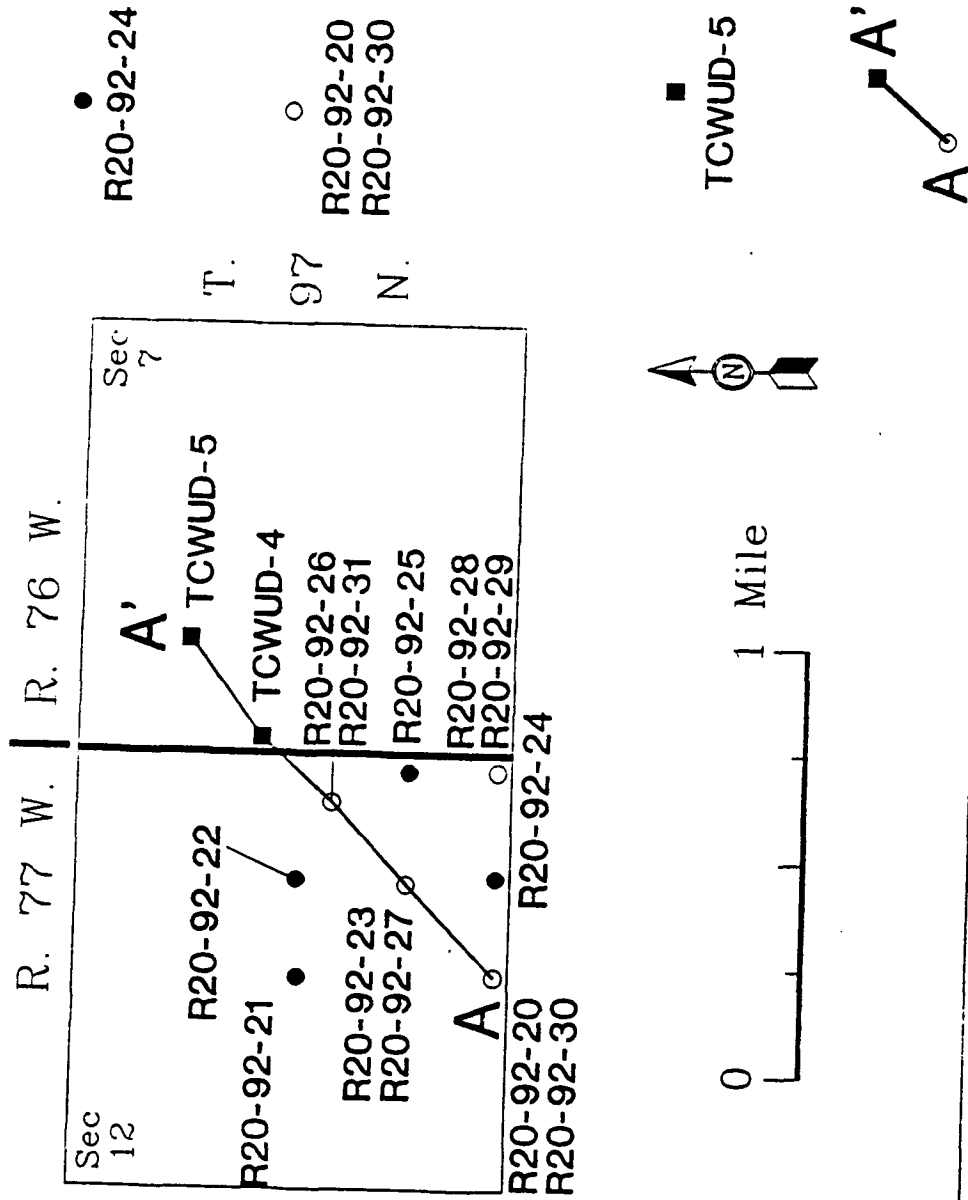
for the

TRIPP COUNTY WATER USER DISTRICT

March 8, 1993

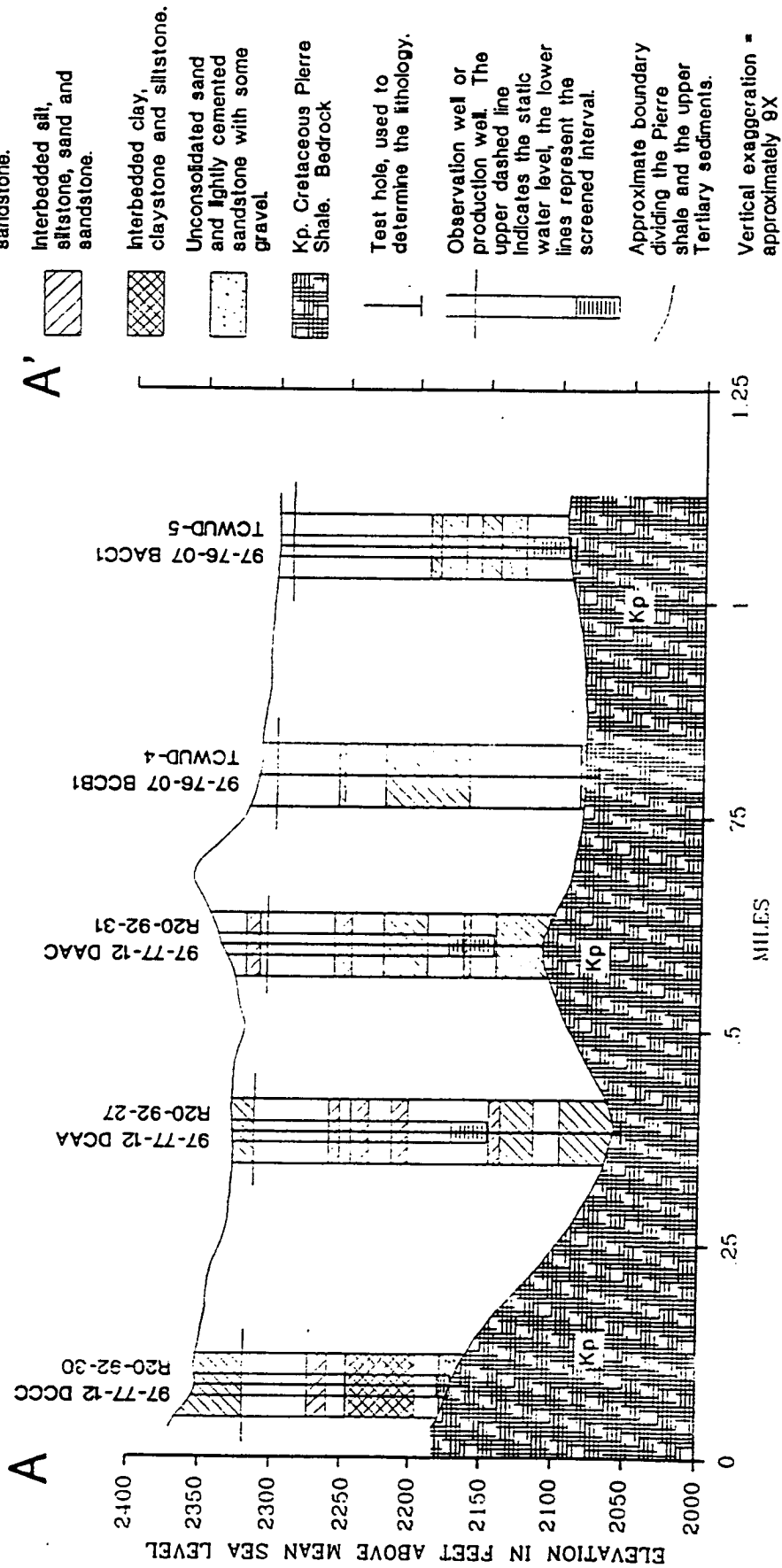


Locations of test-holes and observation wells drilled in 1992 and locations of current production wells in section 7.

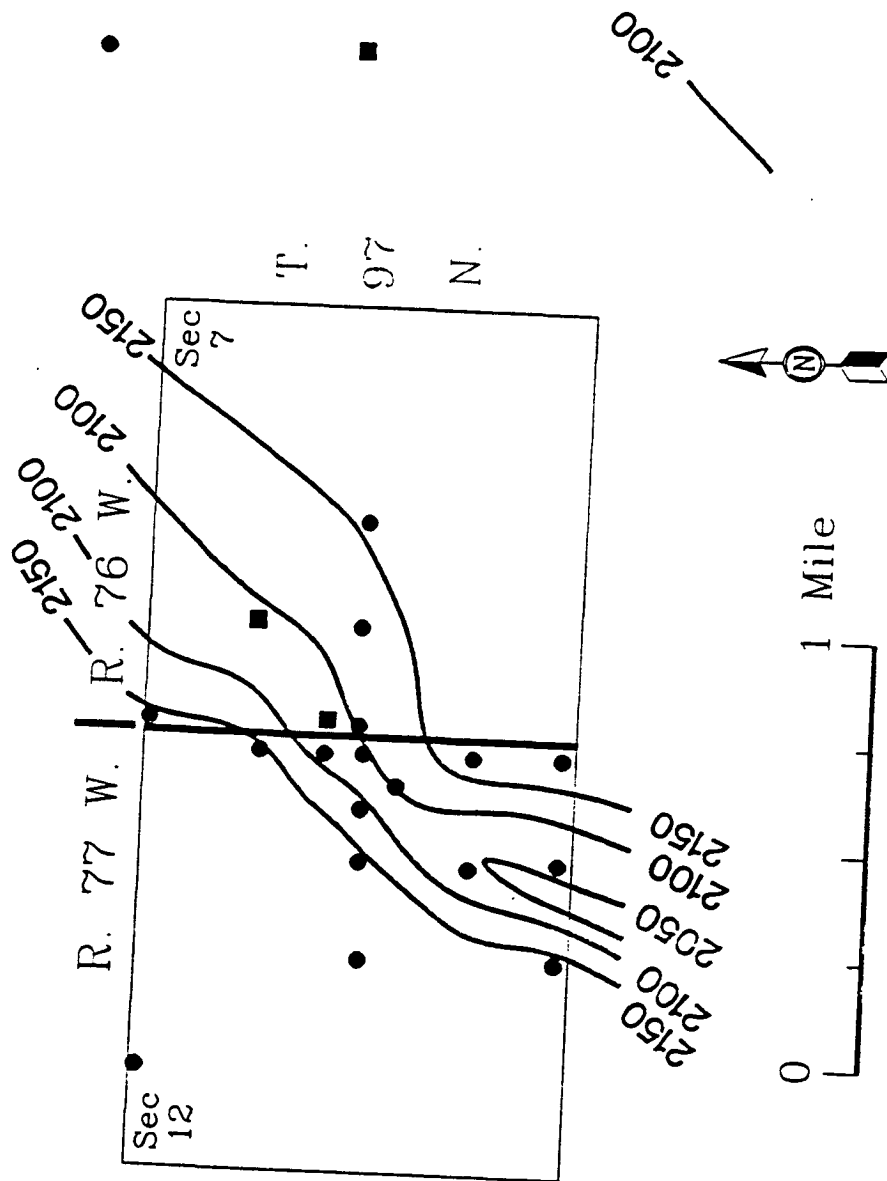


Geologic cross section A - A'

Southwest ← → Northeast

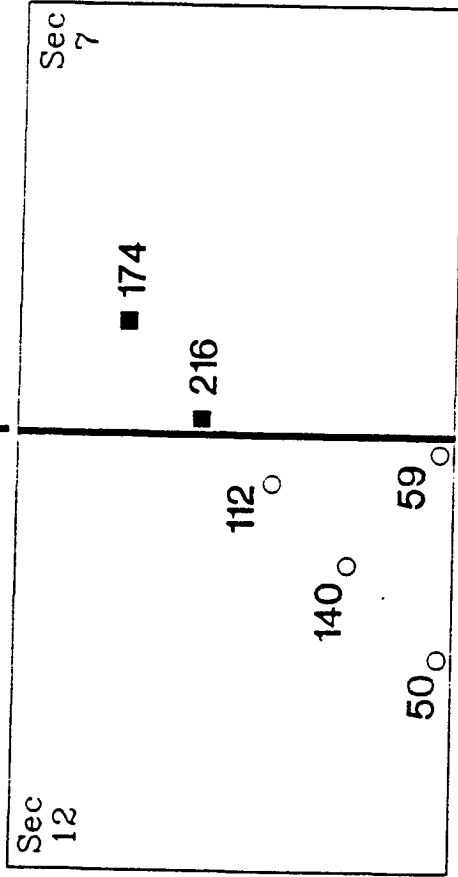


Configuration of the bedrock surface.



Saturated thickness.

R. 77 W. | R. 76 W.

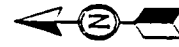


140 ○

Observation well constructed by the South Dakota Geological Survey for the 1992 study. Number is the composite saturated thickness in feet of all sand layers.

216 ■

Current production well for Tripp County Water Users District. The number is the composite saturated thickness in feet of all sand layers.



WATER QUALITY ANALYSES

Concentrations in milligrams per liter (1)

Well Name	Date sampled	Location	Well depth (2)	Conduc- tivity (mmhos) (3)	Hard- ness as CaCO3	DS	Alk-T	HCO3	Ca	Cl	F	Fe	K	Mg	Mn	Na	NO3-N + NO2-N	SO4	Field pH (4)
						500 (5)				250 (5)	2.4 (6)	0.3 (5)			0.05 (5)		10 (6)	250 (5)	
R20-92-31	8-31-92	97N-77W-12DAA	193	169	77	145	84	102	26	0.9	0.19	<0.05	4.7	2.9	<0.05	3.9	0.70	2.0	7.40
R20-92-27	8-31-92	97N-77W-12DCA	182	194	81	160	92	112	27	0.9	0.24	<0.05	5.6	3.3	<0.05	7.5	1.22	4.4	7.54
R20-92-30	8-31-92	97N-77W-12DCC	183	214	86	164	106	129	27	0.8	0.42	<0.05	7.1	4.6	<0.05	9.8	0.77	3.3	7.92
R20-92-29	8-31-92	97N-77W-12DDD	167	301	144	227	152	185	48	1.9	0.18	<0.0	7.0	5.9	<0.05	7.0	0.94	5.3	7.59
		AVERAGE		219	97	174	109	132	32	1.1	0.26	<0.05	6.1	4.2	<0.05	7.1	0.91	3.8	7.61

(1): DS - total dissolved solids; Alk-T - total alkalinity; HCO3 - bicarbonate; Ca - calcium; Cl - chloride; F - fluoride; Fe - iron; K - potassium; Mg - magnesium; Mn - manganese; Na - sodium; NO3-N + NO2-N - nitrate/nitrogen; SO4 - sulfate

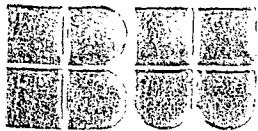
(2): Well depth is presented in feet below ground surface, and represents depth to bottom of screen.

(3): mmhos - micromhos

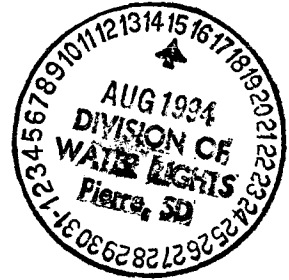
(4): Field pH is on unfiltered sample.

(5): U.S. Environmental Protection Agency, 1985, National secondary drinking water regulations - secondary maximum contaminant levels: Code of Federal Regulations, Title 40, Part 143, Section 143.3, p. 584.

(6): U.S. Environmental Protection Agency, 1985, National Interim primary drinking water regulations - maximum contaminant levels



Bartlett & West
Engineers, Inc.



August 11, 1994

Sargent Irrigation
P.O. Box 627
Broken Bow, NE 68822

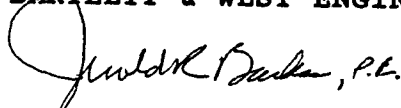
Attn: Mr. Dan Jacobsen

B&W W.O. NO. 3048.05

TCWUD - CONTRACT 4; WATER SUPPLY WELL, PRE-CONSTRUCTION CONFERENCE

A Pre-Construction Conference was held on August 10, 1994 at 10:00 A.M. CDT at the offices of the Tripp County Water User District. Attached to this letter is a copy of the notes which were kept of that conference. By copy of this letter we are also providing copies of the record to those parties noted below. We ask that all parties involved review the record of the Pre-Construction Conference and advise of any additions or correction which they may have. If corrections are made, all parties will be advised of the corrections made. If you have any questions regarding the above or the attached, please contact us.

BARTLETT & WEST ENGINEERS, INC.



Jerold R. Backes, P.E.
Project Manager

cc: FmHA (State)
FmHA (District)
SDDENR - Water Rights
SD Geological Survey
Dennis Vaughn
TCWUD - N. Frank

File: TCUWD Contr. 4; 1.0

TCWUD Contr.4/precon.1ltr/keg

(701) 258-1110
2718 Gateway Ave., Suite 201
P.O. Box 1077
Bismarck, ND 58502

OTHER OFFICE
Topeka, KS

**RECORD OF PRE-CONSTRUCTION CONFERENCE
FOR TCWUD EXPANSION PROJECT
CONTRACT NO. 4**

DATE: 08/10/94

LOCATION OF CONFERENCE

Tripp County Water User District Office in Winner, SD

Additional plans and specifications were provided as follows:

TCWUD Plan Sets 5 and 14

Sargent Irrigation Plan Sets 15, 16, 17, 18 and 19

Plan sets 14, 15, 16 and 17 were signed by FmHA, Sargent Irrigation, Bartlett & West and TCWUD. At least one of these sets will be on the Project at all times during construction.

SESSION: Started at approximately 10:00 a.m. C.D.T.

SUBJECTS DISCUSSED

1. Identification of Official Representatives of the Owner, Engineer, Contractors and FmHA:

NAME OF OWNER

ADDRESS (Incl. Zip & Phone)

Tripp County Water User District
Neil Frank, Manager

P.O. Box 1746
Winner, SD 57580
(605) 842-2755
(605) 842-1621 - FAX

NAME OF ENGINEER (FIRM)

ADDRESS (Incl. Zip & Phone)

Bartlett & West Engineers, Inc.
Jerold R. Backes, P.E.

2718 Gateway Avenue, Suite 201
P.O. Box 1077
Bismarck, ND 58502
(701) 258-1110
(701) 258-1111 - FAX

NAME OF CONTRACTOR (FIRM)

ADDRESS (Incl. Zip & Phone)

Sargent Irrigation Co.
Dan Jacobsen

P.O. Box 627
Broken Bow, NE 68822
(308) 872-6451
(308) 872-6912 - FAX

FmHA (District Office)
Timothy W. Murray
Farmer's Home Administration

ADDRESS (Incl. Zip & Phone)
101 West 23rd Avenue
Mitchell, SD 57301
(605) 996-6085
(605) 996-0130 - FAX

FmHA (State Office)
Farmer's Home Administration
Gregory L. Johnson

ADDRESS (Incl. Zip & Phone)
Federal Bldg., Rm. #308
200 4th Street SW
Huron, SD 57350
(605) 353-1430

2. Responsibilities of Engineer (Does not "supervise" the contractor's employees, equipment or operations).

Prepare Plans & Specifications, review Inspection Reports, review and make recommendations regarding Pay Estimates, review Shop Drawings, provide interpretations and clarifications of Contract Documents, review Change Orders, review Field Orders and may make periodic visits to jobsite for general review of work progress. May conduct detailed inspection upon authorization by Owner.

3. Responsibilities of Owner's Governing Body: (Actual contracting organization.)

Provides easements, permits, inspection staff and makes payments to Contractor. All communications to go through the Owner with copies provided to FmHA, B&W, and Contractor.

4. Responsibilities of FmHA: (Must see that approval conditions are observed and represents the Government's interests.)

Review Pay Estimates, review and approve Change Orders, make occasional site visits. A representative of FmHA will be present for Final Inspection of the Contract. FmHA Inspector will be on site the Wednesday following the Board Meetings of each month. Meet at 1:00 P.M. at TCWUD office.

5. Responsibilities of Contractor: (Review contract terms.)

Per the provisions of the Contract Documents. Responsible for familiarity with Contract Documents, construction means and methods utilized, construction supervision, construction sequencing, quality control, construction safety, and coordination. Responsible for sub-contractors. Davis-Bacon rates do not apply to this Contract. Provide sufficient notice to Owner so that landowners can be contacted.

Responsible for coordination with South Dakota Geological Survey. Section 01010 outlines those areas where coordination is required.

The differences between quality control and quality assurance were discussed. While the Owner will provide inspection for quality assurance, the Contractor is responsible for quality control. The Contractor shall not depend on the Owner's personnel to provide quality control functions.

6. Responsibilities of South Dakota Geological Survey (SDGS):

The South Dakota Geological Survey will be involved in the Project. They will provide electric logging of test holes, observation wells, and water supply well. The SDGS will also be present during pump testing of the supply well. Notification requirements per the Contract is two (2) weeks. The SDGS contact person for this project will be Assad Barari.

There has been some difficulty in logging wells due to equipment failure. Final E-logging of the production well will be accomplished prior to installation of casing and screen.

Based on initial evaluation, it appears that the pump test will be 72 hours. It will be necessary to coordinate time and staffing to obtain necessary data. A meeting will be scheduled to discuss and coordinate the various items prior to beginning the test.

7. General Discussions of Contract:

A. Alternative Specifications:

None utilized.

B. Initiating Construction: (Notice to Proceed.)

Contract Award: May 27, 1994
Notice to Proceed: July 22, 1994
Construction Start: August 1, 1994
Completion Date: January 27, 1994

C. Completion Time for Contract:

Per Contract Documents: 180 Calendar Days

D. Liquidated Damages:

\$200/Calendar Day

E. Requests for Extension of Contract Time:

Per General Condition 15. Contractor to make written request. Owner will grant only for good cause.

F. Procedures for Making Partial Payments:

Per General Condition 19. Estimate will include work through dates shown on attachment. If this schedule proves to ambitious the date will be moved back one week. Form to be used is included in the Contract Documents. Unit prices will be used for the preparation of the pay estimates.

G. Guarantee on Completed Work: (Materials, Installed Equipment, Workmanship, Etc.)

One year from date of Substantial Completion. Letter of Substantial Completion will be written by the Engineer and shall be based upon data provided by the Owner's Inspection Staff.

H. Other Requirements of the Contract and Specifications which Deserve Special Discussions by All Parties.

Pump Test - Actual duration to be determined prior to and during test time based upon input from SDGS. Prior to pump test, a meeting with involved personnel will be scheduled.

8. Contractor's Schedule:

A. Analyze Work Schedule in Sufficient Detail to Enable Engineer and Owner to Plan Their Operations: (Consideration must be given to needs of Owner and the planned operations of other contractors.)

Contractor will provide schedules. Schedules will be provided to all parties upon receipt.

B. Equipment to be Used by Contractor:
Drilling Rig, Pump Installation Equipment, Pickup.

C. Contractor's Plans for Delivering Materials to Project Site: (Protection and Storage of Materials.)

Materials will be brought on site as used. Will store engine drive at TCWUD.

9. Sub-Contracts: (Review and approval of proposed Sub-Contractors and their work schedules.)

Building - None

Electrical - Dennis Vaughn

10. Status of Materials Furnished by Association:

Some casing material was supplied.

11. Change Orders: (Detailed explanation of procedures to be followed and clearance which must be obtained before changes are implemented.)

FmHA approval will be by Jim Valer. Change Orders must be approved by all parties; Owner, FmHA, Contractor, and Engineer. Owner alone has power to grant Change Order. Work included on Change Orders cannot be included on Pay Estimates until all parties have executed the Change Order.

12. Staking of Work:

Location of test holes based upon coordination with SDGS. Location of production well based on source. Hole was located by test hole R-20-92-27.

13. Project Inspection:

A. Functions of Engineer:

- Reviews Shop Drawings
- Provides Clarifications and Interpretations
- Detailed construction Inspection (if authorized by Owner)
- Reviews Inspection Reports
- Prepares Monthly Progress Report

B. Responsibilities of Owner:

- Provides Inspection Staff
- Inspection of the Work
- Coordinates with Landowner

C. Responsibilities of FmHA:

- Reviews Pay Estimates
- Reviews Change Orders
- May make periodic site visits
- Inspector may visit jobsite at least monthly (see partial payment schedule for anticipated dates)

D. Safety and Sanitary Regulations:

Site safety and sanitation is the responsibility of Contractor.

14. Final Acceptance of Work: (Include requirements for tests and cleanup of project site.)

Must have Final Inspection including representatives from FmHA, Owner, Contractor and Engineer. All contract requirements must be met. Must have recommendation for contract close-out.

15. Labor Requirements:

- A. Equal Employment Opportunity Requirements:

Per FmHA General Conditions

- B. Davis-Bacon Act: N/A

- C. Other Federal Requirements:

Applicable laws

- D. State and Local Requirements:

Applicable laws and meet permit requirements

- E. Union Agreements:

None are foreseen

- F. Reports Required:

The following forms will be provided by FmHA if necessary:

Form CC 257 and 400-2 Notice to Applicants and Contractor

16. Equal Employment Provisions of Contract:

Per General Conditions

17. Rights-of-Way and Easements:

- A. Explain any Portion of Project not Available to Contractor:

No portion of the project is anticipated unavailable.

- B. Contractor's Responsibilities During Work Covered by Contract:

Comply with all Contract provisions and Specifications. Stay within the easements provided. If additional required obtain from landowner and provide copy to Owner.

C. Coordination with Railroads, Highway Departments and Other Organizations:

None required.

18. Placement of Project Signs and Posters:

To be determined at a later date.

19. Handling Disputes:

Field personnel should make efforts to minimize disputes. If a dispute arises, a general discussion of the circumstances surrounding the item will be held involving the Owner, Engineer, and Contractor so that a solution can be reached.

ATTENDANCE LIST
PRE-CONSTRUCTION CONFERENCE
TRIPP COUNTY WATER USER DISTRICT
EXPANSION PROJECT
CONTRACT NO. 4

NAME	ADDRESS
1.) JEROLD R. BACKES	2718 GATEWAY AVE, BISMARCK, ND
2.) Gregory L. Johnson	State FmHA Office Huron SD
3.) Timothy W. Murray DLS FmHA	101 W. 23 rd Ave, Mitchell SD
4.) Neil Fraught TCWUD	Box 1746, Winner, S.D.
5.) DENNIS VAUGHN	RR3 Box 14 DALLAS SDAK 57529 ⁸³⁵⁻⁸⁶⁸⁷
6.) Dan Jacobson Sargent Jnr	Box 627 Bro Ram Box 68822
7.) Loryna D. Schultz SDGS	AKelley Science Center USD, Vermillion, SD.
8.) Earl Burtz Treasurer	605-677-5227
9.) TCWUD -	
10.)	
11.)	
12.)	
13.)	
14.)	
15.)	
16.)	
17.)	
18.)	
19.)	
20.)	
21.)	
22.)	

PARTIAL PAYMENT PROCEDURE

Prior to work commencing on the project, it is helpful to review and clarify the procedure that will be utilized in making partial payments under the provisions of the Contract Documents. A brief discussion of the major factors involved is as follows:

1. An estimate of the amount of progress made and the appropriate payment due for the previous month's work will be prepared in accordance with FmHA General Condition 19. The estimate shall be prepared by the Contractor and will be presented to the Owner's Representative in writing.
2. In addition to the value of work completed for the previous month, the estimate may contain payment for materials which are either delivered to the jobsite or stored in accordance with General Condition 19.2 (provide proof of proper insurance coverage if stored in warehouse, etc.). The portion of the payment which is based upon materials delivered to the jobsite and/or properly stored is intended to be used for payment for said materials. Once payment is received from the Owner for materials delivered and/or stored at the site, payment should be made to the appropriate supplier(s) in accordance with the agreement(s) between yourself and the individual supplier(s).
3. In an effort to expedite processing of progress payments, we are requesting that invoices for materials delivered to the jobsite or properly stored and in control of the Owner accompany the estimate.
4. The dates on which the estimate will be forwarded to the Owner are shown in squares on the attached calendar. However, the partial payment estimate may be provided to the Owner prior to the date shown.
5. Since a portion of the individual progress payments may be based on payment for materials, some form of documentation may be requested which shows payment for materials "paid for" on previous partial payments. Such documentation (when requested) may be in the form of a partial lien waiver, a letter from the material supplier, an invoice marked paid and signed by the material supplier, some other form of assurance that payments have been made, or justifiable cause why such payments have been withheld from the material supplier. The documentation provided should reference the invoices included on previous progress payments by number. This request for documentation does not mean that the Owner or Owner's Representative is taking the position that the Contractor is not entitled to withhold amounts from material suppliers for justifiable cause. It is the responsibility of the Contractor to schedule, supervise and administer the resources necessary

to complete the work included under your contract. It is understood that under certain circumstances it may be necessary to withhold partial payment from suppliers and/or subcontractors for defective work, unsatisfactory progress, delay or other justifiable causes.

6. The retainage withheld on progress payments is money withheld on work which is completed. Retainage does not include monies for work currently not completed, nor is it intended to be reserved for correction of defective work. If it becomes necessary to withhold additional monies or, on account of subsequently discovered evidence, nullify any progress payment in whole or part to protect the Owner from loss on account of work completed but not in compliance with the Contract Documents or past due payments for labor or materials furnished, such withholdings shall be made in accordance with FmHA Supplemental General Condition No. 3.

SHOP DRAWING PROCEDURE

At the beginning of each new contract it is helpful to clarify the obligations and responsibilities involved, as well as outline the procedure to be used in the shop drawing process. A brief discussion of the aforementioned items follows:

1. All shop drawings are to be mailed to our Bismarck, ND office, Attn: Jerold R. Backes, Project Manager.
2. Each shop drawing shall bear the Contractor's certification that he has reviewed, checked, and approved the shop drawing and that it is in conformance with requirements of the Contract Documents as required by FmHA General Condition 5.2. We prefer that the Contractor provide this certification in the form of a stamp on each copy of the shop drawing. Shop drawings not containing the certification may be returned unreviewed.
3. Each shop drawing shall comply with the provisions included in General Condition 5 as well as Section 01340, RECORD DRAWINGS AND SHOP DRAWINGS. Pay close attention to the provisions of the General Conditions, particularly General Conditions 5 and 8. Also, Section 01340 requires complete shop drawings be submitted for the following items:
 - a. Grout
 - b. Well Screen
 - c. Pipe & Appurtenances
 - d. Vertical Turbine Pump & Motor
 - e. Building & Appurtenances
 - f. Standby Engine

Unless a request for additional shop drawings is made by the Owner's Representative, only those items listed above are required to have shop drawings submitted to the Owner's Representative. The remaining items or materials required for the project may require shop drawings be provided to the Contractor by his suppliers or subcontractors. It is the Contractor's responsibility to determine that those items are in compliance with the Specifications. However, if these shop drawings are provided (in addition to those requested) the Owner's Representative will conduct a cursory review of the data provided.

4. You may wish to propose substitution of alternate suppliers or manufacturers of components to be utilized in the work. Substitutions are governed by the requirements of General Condition 8 of the Contract Documents which allows for the substitution of products of equal quality and performance. However, any changes that are necessitated by substitutions

shall be made by the Contractor at no additional cost to the Owner. Also, note the requirements of Section 01340, Part B.5. with regard to additional information required when proposing substitution of materials.

5. Shop drawings are reviewed by the Owner's Representative in accordance with General Condition 5. They are reviewed only for general conformance with the plans and specifications. Review by the Owner's Representative should not be viewed as a substitute for the Contractor's review and shall not be construed as relieving the Contractor of the full responsibility for: providing materials, equipment, and work required by the contract the proper fitting and construction of the work; the accuracy and completeness of the shop drawings; selecting fabrication processes and techniques of construction; and performing the work in a safe manner.
6. As related in Item 5 above, dimensional interfacing and mating compatibilities of the components to be utilized on the project are the responsibility of the contractor. It is our opinion that it may aid your field personnel if working drawings showing interfacing of all components were developed from your shop drawing data. We are willing to review working drawings developed for appurtenances or components involved in this project when requested. This review would be provided in an attempt to aid in eliminating possible interfacing and compatibility problems does not relieve the Contractor of its responsibilities under the Contract Documents for providing correct installation and interfacing of the components utilized.
7. Upon completion of review of each shop drawing, three (3) copies of each submittal will be returned to your designated office. These submittals shall either be marked "Returned For Correction & Resubmittal" or "Resubmittal Not Required - Comments If Any Are Noted". If the submittals are returned for correction, the appropriate number of resubmittal copies shall be resubmitted for review upon completion of required corrections.
8. No work requiring a shop drawing is to be commenced until the required shop drawing has been reviewed by the Owner's Representative. The Contract Documents allow the Owner's Representative thirty (30) days for review of shop drawings. We will strive to complete the review of each shop drawing as soon as possible.



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

September 13, 1993

Tripp County Water User District
Neil Frank, Manager
PO Box 1746
Winner SD 57580

Dear Mr. Frank:

In regard to the water permit application received on September 7, 1993, the following information needs to be submitted in order to process the application.

1. The application is being returned because it must be signed and notarized.
2. A well log or driller's test log signed by a South Dakota licensed well driller must accompany the application.
3. The application states several Native American communities and three organized towns in a four-county area will be served by expanding this system. Please submit a list of the communities and towns which the system is proposing to serve. This information is required in the public notice.
4. The filing fee for this application will be \$375.00.

Upon receipt of the above, further processing of the application will continue. If you have any questions, please contact this office.

Sincerely,

Karen Schlaak
Natural Resources Analyst
605 773-3352

enclosure

**TRIPP COUNTY
WATER USER DISTRICT**

**Telephone 842-2755
P.O. Box 1746
Winner, South Dakota 57580**

September 20, 1993



Department of Environment
and Natural Resources
Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501

REF: Well Permit

Dear Karen:

In reference to your letter of September 13, 1993, please find the following enclosed:

1. Application enclosed with signatures and notarized.
2. Electric log and lithologic log enclosed from the Geological Survey, Vermillion. Tests to be included on the Well Contract to the Successful bidder.
3. The application States: Project served is an existing rural water system which has been expanded to serve approximately 1200 users, several Native American Communities and three Organized towns. The above listed communities and towns are currently being served. The towns are Colome, Dallas, Witten and Wood. (4 Towns). Native American Communities are: Ideal, Okreek, Wood, Winner and Dixon. Counties served are Tripp, Gregory, portions of Lyman, Mellette and Todd.

Please find a check in the amount of \$375.00 enclosed for the filing fee.

If you need further information, please call or write.

Thank you.

Sincerely yours,

Neil Frank, Mgr.

NVF/dgf
ENC
cc file

REPORT ON APPLICATION NO. 2293-2
for Tripp County Water User District
October 15, 1993

Application No. 2293-2 proposes to appropriate 1.33 cfs (600 gpm) from one well approximately 200 feet deep located in the NE 1/4 SE 1/4 of section 12, T97N R77W in Tripp County. This application will expand services provided by the District including the towns of Colome, Dallas, Witten, Wood, Ideal, Okcreek, Winner and Dixon and approximately 1200 users.

AQUIFER - OGALLALA (OGLL)

The Ogallala is an unconfined continental deposit consisting of fine to coarse mostly brown quartz sand and sandstone with some volcanic ash which is weathered to clay. The upper part of the Ogallala (Sand Hills Formation) consists of eolian dune sand derived from the Ogallala. The Ogallala rests unconformably upon the Arikaree and Pierre Shale in this area (Collins, 1957). Some geologic reports refer to the Ogallala as made up of the Valentine, Ash Hollow and Sand Hills Formations. Also the underlying Arikaree is often referred to as the Brule Formation. Although the Brule and the Arikaree are not equivalent, for the purposes of this report, hydrologically it really does not make any difference and the term Arikaree is used.

The Ogallala underlies 230,400 acres and contains an estimated 3.3 million acre feet of recoverable water in storage in Tripp County (Allen, 1984). The aquifer is variable in thickness and contains about 140 feet of saturated thickness at this site (SDGS report filed with this application). Static water levels are within ten feet of the land surface in this immediate area.

Recharge to the Ogallala occurs from rainfall and snowmelt infiltrating directly into the aquifer. A rate of 1.8 inches per year (34,560 acre feet per year) has been estimated for this area (Kolm, 1983). This rate compare favorably with estimates made by others.

The Division of Water Rights monitors 31 observation wells completed into the Ogallala aquifer in Tripp County. One observation well TR-78A is located about 1 1/2 mile east of this application. Water levels for this well show good response to climatic conditions, that is, rising water levels during wet years and gradually declining water levels in dry years. The observation well record indicates that the aquifer is capable of sustaining additional withdrawals (Water Rights, 1993).

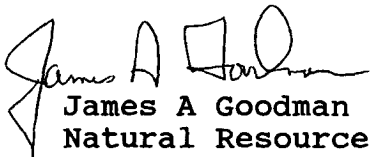
REVIEW OF EXISTING WATER PERMITS/RIGHTS

The nearest existing diversion is located about 2100 feet northeast of this application. This well is permitted by Application No. 1792-2 and is held by the District. Interference is not expected to be a concern. Drawdown caused by pumping is

not significant at this distance. Well test data in Water Permit No. 2046-2 indicates that the aquifer is capable of producing the amount of water requested by this application (see report and permit application for Water Permit No. 2046-2) (Goodman, 1988).

CONCLUSIONS

1. Water is available from the Ogallala.
2. The aquifer is unconfined and under water table conditions. Interference is not expected to be a concern. Significant drawdown caused by pumping does not extend very far from individual production wells.
3. The water level record for the observation wells in the area indicate the aquifer is capable of sustaining additional withdrawals.
4. This well, if the application is approved, must be completed in accordance with SD Well Construction Standards.
5. When the first permits were approved in this area, for the District and the City of Winner, it was controversial. With the monitoring of water levels and with successful history of production wells the controversy has ceased to be a major problem.



James A Goodman
Natural Resources Engineer

BIBLIOGRAPHY

- Allen, J.C., D.L. Iles, A.K. Petres, 1984, Analysis of Groundwater and Streamflow Data Western Dakota Region of South Dakota, for US Army Corps of Engineers, SD DENR, SDGS, Vermillion, SD, 57069.
- Collins, S.G., 1957, Geology of the Wewela Quadrangle South Dakota, SD DENR, SDGS, Vermillion, SD, 57069.
- Goodman, J.A., 1988, Report on Application No. 2046-2 for Tripp County Water User District, SD DENR, Division of Water Rights, Pierre, SD, 57501.
- Kolm, K.E., H.L. Case, 1983, A Two-Dimensional, Finite-Difference Model of the High Plains Aquifer in South Dakota, WRI 83-145, USGS, Lakewood, Co.
- Water Rights, 1993, Unpublished Observation Well Data for Tripp County, SD DENR, Division of Water Rights, Pierre, SD, 57501.

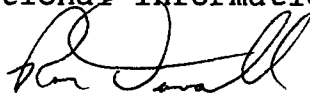
RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 2293-2, Tripp County Water User District

Pursuant to SDCL 46-2A-2, the following is the recommendation of the Chief Engineer, Water Rights Division, Department of Environment and Natural Resources concerning Water Permit Application No. 2293-2, Tripp County Water User District, c/o Verlyn Kuil, PO Box 1746, Winner, SD 57580.

The Chief Engineer is recommending APPROVAL of Application No. 2293-2 because 1) there is reasonable probability that there is unappropriated water available for the applicant's proposed use, 2) the proposed diversion can be developed without unlawful impairment of existing rights, 3) the proposed use is a beneficial use and 4) in the public interest with the following qualifications:

1. The well authorized by Permit No. 2293-2 shall be constructed by a licensed well driller and construction shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) pursuant to Section 74:02:04:28.
2. The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.

See report on application for additional information.


for JOHN HATCH, Chief Engineer
October 27, 1993



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

NOTE: TO BE SURE OF PUBLICATION ON
THE CORRECT DATES, CONTACT
THE NEWSPAPERS RIGHT AWAY.

October 28, 1993

Verlyn Kuil
Tripp County Water User District
PO Box 1746
Winner, SD 57580

Dear Mr. Kuil:

Water Permit Application No. 2293-2 for rural water system use has been examined and found to comply with the South Dakota Water Laws and applicable rules. A notice of hearing has been sent to the Publishers of the Winner Advocate printed at Winner, SD (Ph # 842-1481), Times-Advocate printed at Gregory, SD (Ph # 835-8089), Mellette Co. News printed at Mission, SD (Ph # 856-4469), Todd Co. Tribune printed at Mission, SD (Ph # 856-4469), and Lyman Co. Herald printed at Presho, SD (Ph # 895-2505). For your information, a copy of the notice, the recommendation of the Chief Engineer and a report on the application are enclosed. Please review the notice prior to publication and notify this office, if you have any corrections or questions.

Be sure to contact the above newspapers to authorize publication of your Notice of Hearing and to arrange for payment. Early contact with the papers can eliminate delays. The publishers have been instructed to publish your notice once each week for two consecutive weeks with the last publication to occur twenty days before the board meeting. The newspapers have been instructed to send us the Proof of Publication. We must receive Proof of Publication before action can be taken on the application.

Sincerely,


Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures

NOTE: If you plan to contest any part of the Chief Engineer's recommendation, you must file a petition pursuant to the procedures outlined in the attached notice of hearing. The Water Management Board will then consider your concerns during a hearing on the application.



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

October 28, 1993

Winner Advocate
Box 71
Winner, SD 57580

ATTENTION: Legal Department

Enclosed is a Notice of Hearing on Application No. 2293-2 to be published twice. Please publish the first notice on November 3, 1993, with the second publication 7 days later.

The APPLICANT MUST VERIFY TO YOU THAT THE NOTICE IS TO BE PUBLISHED, before you make the first publication. Please BILL the APPLICANT for the cost of publication. The APPLICANT is Tripp County Water User District, PO Box 1746, Winner, SD 57580 (Ph # 842-2755).

A copy of BOTH publications must be SENT to the WATER RIGHTS DIVISION. IMMEDIATELY return the FIRST publication with the FIRST Transmittal form on the bottom of this page. The first copy is needed to check the publication for errors so any corrections can be made in the second publication. Publication errors can invalidate the public notice and cause the applicant costly delays.

Please be sure the SECOND publication is returned IMMEDIATELY with the enclosed Proof of Publication form. DO NOT WAIT until the end of the month or the billing cycle. No action may be taken on the permit application until proof of publication has been received.

Sincerely,

Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures

-----CUT HERE-----

FIRST TRANSMITTAL NOTICE

TO: Eric Gronlund
Water Rights Division
Joe Foss Building
Pierre SD 57501-3181

No. _____

Date _____

We are in receipt of your letter of _____ enclosing Notice of Hearing to Appropriate Water by Application No. _____ which was first published in our issue of _____. ENCLOSED IS A COPY OF THIS FIRST PUBLICATION.

Name

Newspaper



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

October 28, 1993

Times-Advocate
Box 378
Gregory, SD 57533

ATTENTION: Legal Department

Enclosed is a Notice of Hearing on Application No. 2293-2 to be published twice. Please publish the first notice on November 3, 1993, with the second publication 7 days later.

The APPLICANT MUST VERIFY TO YOU THAT THE NOTICE IS TO BE PUBLISHED, before you make the first publication. Please BILL the APPLICANT for the cost of publication. The APPLICANT is Tripp County Water User District, PO Box 1746, Winner, SD 57580 (Ph # 842-2755).

A copy of BOTH publications must be SENT to the WATER RIGHTS DIVISION. IMMEDIATELY return the FIRST publication with the FIRST Transmittal form on the bottom of this page. The first copy is needed to check the publication for errors so any corrections can be made in the second publication. Publication errors can invalidate the public notice and cause the applicant costly delays.

Please be sure the SECOND publication is returned IMMEDIATELY with the enclosed Proof of Publication form. DO NOT WAIT until the end of the month or the billing cycle. No action may be taken on the permit application until proof of publication has been received.

Sincerely,

Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures

-----CUT HERE-----

FIRST TRANSMITTAL NOTICE

TO: Eric Gronlund
Water Rights Division
Joe Foss Building
Pierre SD 57501-3181

No. _____

Date _____

We are in receipt of your letter of _____ enclosing Notice of Hearing to Appropriate Water by Application No. _____ which was first published in our issue of _____. ENCLOSED IS A COPY OF THIS FIRST PUBLICATION.

Name

Newspaper



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

October 28, 1993

Mellette Co. News
Box 229
Mission, SD 57555

ATTENTION: Legal Department

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**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

October 28, 1993

Todd Co. Tribune
Box 229
Mission, SD 57555

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published in our issue of _____. ENCLOSED IS A COPY OF THIS
FIRST PUBLICATION.

Name

Newspaper



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

October 28, 1993

Lyman Co. Herald
Box 280
Presho, SD 57568

ATTENTION: Legal Department

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enclosures

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Joe Foss Building
Pierre SD 57501-3181

No. _____

Date _____

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Name

Newspaper

Instruction to Newspaper - Publish first Notice on November 3, 1993, with the second publication 7 days later. The applicant is responsible for payment.

NOTICE OF HEARING on Application No. 2293-2 to Appropriate Water

Notice is given that Tripp County Water User District, PO Box 1746, Winner, SD 57580 has filed an application for a water permit to appropriate 1.33 cubic feet of water per second (600 gallons per minute) from one well (Ogallala Formation) 200 feet deep located in the NE 1/4 SE 1/4 Section 12-T97N-R77W. The District currently holds Permit Nos. 1300-2, 1560-2, 1792-2 and 2046-2. This application is for additional water to allow Tripp County Water User District to provide expanded service. The District serves the towns and communities of Colome, Dallas, Witten, Wood, Ideal, Okreek, Winner and Dixon and approximately 1200 users.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 2293-2 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest.

Any person interested in opposing or supporting this application must file a written petition with BOTH the applicant and Chief Engineer. The applicant must also file a petition if opposed to the Chief Engineer's recommendation. The Chief Engineer's address is "Water Rights Division, Foss Building, 523 E Capitol, Pierre SD 57501 (605 773-3352)" and the applicant's mailing address is given above. A petition filed by either an interested person or the applicant must be filed by November 22, 1993. The petition may be informal, but must include a statement describing the petitioner's interest in the application, the petitioner's reasons for opposing or supporting the application, and the signature and mailing address of the petitioner or the petitioner's legal counsel, if legal counsel is obtained.

The Water Management Board will consider this application at 10:00 a.m., December 1, 1993, Floyd Matthew Training Center, Joe Foss Building, 523 East Capitol, Pierre, SD. The Chief Engineer's recommendation is not final or binding upon the Board. The Board is authorized to 1) approve, 2) approve with qualifications, 3) defer, or 4) deny this application based on the facts presented at the public hearing. The December 1, 1993, hearing date will be automatically delayed for at least 20 days upon written request to the Chief Engineer from the applicant or any interested person opposing the application. The request for an automatic delay must be filed by November 22, 1993.

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This application is made pursuant to SDCL 46-1-1 thru 46-1-9, 46-1-12 thru 46-1-16; 46-2-3.1, 46-2-9, 46-2-11, 46-2-13, 46-2-17; 46-2A-1 thru 46-2A-10, 46-2A-12, 46-2A-14, 46-2A-15, 46-2A-20, 46-2A-21; 46-5-1 thru 46-5-11, 46-5-13 thru 46-5-15, 46-5-24, 46-5-25, 46-5-30.2, 46-5-30.4, 46-5-31; 46-6-3, 46-6-3.1, 46-6-6.1, 46-6-10, 46-6-13, 46-6-14, 46-6-26; and Board Rules ARSD 74:02:01:01 thru 74:02:01:15. Robert E. Roberts, Secretary, Department of Environment and Natural Resources.



PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County of Tripp) ss

I, Carol Birek

certify that the attached printed Notice was

taken from the Winner

Advocate

printed and published in Winner

County of Tripp and State of

South Dakota. The notice was published in
the newspaper on the following two dates:

November 3, 1993

November 10, 1993

Cost of Printing: \$51.10

Carol Birek
(Signature)

Office Manager
(Title)

November 11, 1993
(Date Signed)

Notice of hearing on Application No. 2293-2 to Appropriate Water

Notice is given that Tripp County Water User District, P.O. Box 1746, Winner, SD 57580 has filed an application for a water permit to appropriate 1.33 cubic feet of water per second (600 gallons per minute) from one well (Ogallala Formation) 200 feet deep located in the NE 1/4 SE 1/4 Section 12-T97N-R77W. The District currently holds Permit Nos. 1300-2, 1560-2, 1792-2 and 2046-2. This application is for additional water to allow Tripp County Water User District to provide expanded service. The District serves the towns and communities of Colome, Dallas, Witten, Wood, Ideal, Okreek, Winner and Dixon and approximately 1200 users.

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My commission expires
August 21, 1999



PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County of Todd) ss

I, Kathy Klein

certify that the attached printed Notice was

taken from the Todd

County Tribune

printed and published in MISSION

County of Todd and State of

South Dakota. The notice was published in
the newspaper on the following two dates:

November 3, 1993

November 10, 1993

Cost of Printing: 52 lines @ .595 = 30.94

plus 20% for second inser. = 24.75

55.69

Kathy Klein
(Signature)

Bookkeeper
(Title)

11/11/93
(Date Signed)

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Publ.: November 3 and 10, 1993.



PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
) ss
 County of Mallette)

I, Kathy Klein

certify that the attached printed Notice was

taken from the Mallette County

News

printed and published in White River

County of Mallette and State of

South Dakota. The notice was published in
 the newspaper on the following two dates:

November 3, 1993

November 10, 1993

Cost of Printing: 52 lines @ .595 = 30.94

minus 90% discount on 2nd line = 24.75
55.69

Kathy Klein
 (Signature)

Bookkeeper
 (Title)

11/11/93
 (Date Signed)

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Publ.: November 3 and 10, 1993.

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
 County of Gregory) ss



I, Sally A. Miller

certify that the attached printed Notice was

taken from the Gregory Times -
Advocate

printed and published in Gregory

County of Gregory and State of

South Dakota. The notice was published in the newspaper on the following two dates:

November 3, 1993
November 10, 1993

Cost of Printing: \$51.72

Sally A. Miller
 (Signature)

Office Manager
 (Title)

11/10/93
 (Date Signed)

from the applicant or any interested person opposing the application. The request for an automatic delay must be filed by November 22, 1993.

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(44-45)

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**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

JAN 4 1994

Neil Frank, Manager
Tripp County Water User District
PO Box 1746
Winner, SD 57580

Dear Mr. Frank:

Enclosed is Water Permit No. 2293-2 authorizing construction of your water diversion system and beneficial use of the water, not exceeding the limits as specified in the Water Permit.

Also enclosed is Form 10, Notice of Completion of Works and Application of Water to Beneficial Use, which you are to complete and submit to the Chief Engineer when you have completed the system and/or have put the water to beneficial use. An inspection can then be scheduled so that the Water License may be issued, thus completing your acquisition of a Water Right.

Very truly yours,

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

enclosures

PLEASE NOTE: Certain changes can be made in your permit within the five year construction period, usually without affecting the priority date provided an application to amend your permit is made within the five year period - i.e. changes in location or number of diversion points (wells) or location of land to be irrigated. Well locations for wells into the same aquifer can be moved up to 660 feet without application.

Applications to amend a permit after the five year construction period will be assigned a new priority date. Applications to change water sources, to add lands or increase original diversion rates, if approved will usually receive the date of the new application as a priority date regardless of the five year construction period.



TRIPP COUNTY WATER USER DISTRICT



FAX: 605-842-1621
Telephone 842-2755
P.O. Box 1746
Winner, South Dakota 57580

August 24, 1995

DENR
Joe Foss Building
523 East Capitol
Pierre, SD 57501-3181

ATTN: Water Rights Division

Dear Mr. Hatch:

Enclosed is form 10, Notice of Completion of Works and Application of Water to beneficial use, which has been completed.

No changes were made effecting the application of Water Permit No. 2293-2.

If you have questions, please call.

Thank you.

Sincerely yours,
Neil Frank
Neil Frank, Mgr.

NVF/dgf
ENC
cc file

**NOTICE OF COMPLETION OF WORKS AND
APPLICATION OF WATER TO BENEFICIAL USE**Date August 23, 1995

TO: Water Rights Division, DENR
523 E. Capitol
Pierre, SD 57501-3181

FROM: Tripp County Water User District PO Box 1746
(name) (address)
Winner, South Dakota 57580 605-842-2755
(city) (state) (zip) (phone)

I have completed the construction of the water diversion system and I have put the water to beneficial use to the maximum extent it is going to be used. I have not exceeded the amounts specified in Water Permit No. 2293-2.

Water Permit No. 2293-2 states that the diversion system is to be constructed by December 1, 1998, and that the water is put to beneficial use by December 1, 2002.
(date) (date)

The diversion system was completed on February 1, 1995.
(date)

Applying the water to beneficial use was completed on July 27, 1995.
(date)

You may schedule an inspection so that the Water License may be issued.

Neil F. ...
(signature)

LICENSE FOR PERMIT NUMBER 1560-2 TRIPP COUNTY WATER USER DISTRICT

1. Legal location of wells: AT A POINT 250' SOUTH AND 590' EAST
OF THE NW CORNER OF SECTION 8, T97N, R76W

dams & structures: _____

2. Well Information: Well Drilling Firm CHASE DRILLING, AINSWORTH, NEB.

No. of wells ONE Depth _____

Casing a) diameter 12" Screen a) type STAINLESS STEEL
 b) length _____ b) length 30'
 c) type STEEL Static Water Level _____

Pump a) make BYRON JACKSON Motor a) make WESTINGHOUSE
 b) model SERIAL # 771H b) model no. 6808276G42
 c) size _____ c) horsepower rating 15 HP
 d) capacity 150 GPM 1750 RPM
 e) turbine pump
 no. of stages _____

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 _____

- i) Outlet tubes:

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

- h) Distribution lines or canals:

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

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) 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 _____
- 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.
☐ YES ☐ NO
2. Special Qualifications to permit being abided by.
☒ YES ☐ NO
3. All Structures, wells and lands on map.
☒ YES ☐ NO

REMARKS: CHANGE OF DIVERSION

C. J.

LICENSE FOR PERMIT NUMBER 1300-2 TRIPPA COUNTY WATER USERS

1. Legal location of wells: AT A POINT 1,257' SOUTH AND 1,225' EAST OF
THE NW CORNER OF SECTION 8, T 97N, R 76W

dams & structures: _____

2. Well Information: Well Drilling Firm CHASE WELL DRILLING, INC.

No. of wells ONE Depth _____

Casing a) diameter _____ Screen a) type _____
 b) length _____ b) length _____
 c) type _____ Static Water Level _____

Pump a) make BYRON-JACKSON Motor a) make WESTINGHOUSE
 b) model 771H-7787 b) model no. 6808 276536
 c) size _____ c) horsepower rating 10
 d) capacity 100 GPM 1745 RPM
 e) turbine pump d) motor efficiency rating _____
 no. of stages _____

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) 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 _____
- 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.
☐ YES ☐ NO
2. Special Qualifications to permit being abided by.
☒ YES ☐ NO
3. All Structures, wells and lands on map.
☒ YES ☐ NO

REMARKS: RURAL WATER SYSTEM

Well #4

LICENSE FOR PERMIT NUMBER 1792-2 Tripp County Water Users.

1. Legal location of wells: APRIL FORM 200' SOUTH AND 40' EAST
OF THE NW CORNER, SECTION 7, T97N, R76W

dams & structures: _____

2. Well Information: Well Drilling Firm ^{chad.} Sargent Irrigation Well Drillers
WELL #4

No. of wells One.

Depth 228 ft

Casing a) diameter 12"
b) length _____
c) type Steel

Screen a) type Stainless Steel
b) length 30
Static Water Level 12

Pump a) make Sargent.
b) model (No tag.)
c) size _____
d) capacity 450 GPM
e) turbine pump
no. of stages one

Motor a) make US Electrical
b) model no. 10# R-6229-05-390, R1002404N
c) horsepower rating 40
d) motor efficiency rating 1770 RPM

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 _____

- i) Outlet tubes:

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

- h) Distribution lines or canals:

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

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) 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 _____
- 2) serial number _____
- 3) nozzle size _____
- 4) capacity (GPM) _____
- 5) PSI _____
- 6) hose size _____
- 7) hose length _____

d) Gate Pipe

- 1) length _____
- 2) diameter _____
- 3) spacing of gates _____

e) Siphons

- 1) number _____
- 2) size _____

f) Portable boom

- 1) make _____
- 2) serial number _____
- 3) nozzle size _____
- 4) capacity (GPM) _____
- 5) PSI _____

h) Hydromatic

- 1) make _____
- 2) model _____
- 3) serial number _____
- 4) length _____
- 5) nozzle size _____
- 6) spacing _____
- 7) PSI _____
- 8) capacity (GPM) _____

YES	NO	Check Items
-----	----	-------------

- | | | |
|-----|-----|---|
| ___ | ___ | 1. Soil and water permit lands agree with lands being irrigated and lands listed on permit. |
| ___ | ___ | 2. Special Qualifications to permit being abided by. |
| ___ | ___ | 3. All Structures, wells and lands on map. |

REMARKS:

Permit No. 2046-2
White River - Water District

Report Of Examination Of Works And/Or Application of Water To Beneficial Use

TO: Chief Engineer, Water Rights Program, DENR, Foss Bldg., Pierre, SD 57501

I have this day, **November 6, 1997**, made a thorough examination of the water use system constructed by **Tripp County Water Users District** of **PO Box 1746, Winner, SD 57580** holder of Permit No. **2046-2**, bearing the priority of **October 14, 1997** authorizing the diversion of **1.11 (Well #5--1.0 cfs & Well #4--0.11 cfs)** cu. ft. per second of the waters of **groundwater** for **Rural Water System** purposes, in **Tripp** County.

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

A. Works used to divert the water: **Well No. 4--See Water Permit No. 1792-2**

Well #5--30 Hp, US Electric Motor, Model No. 324TP WPI with 10 inch Sargent turbine pump, Model No. 04387, 450 gpm capacity

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

Approximately 4000 feet of buried 8 inch PVC pipe (to well #1)

C. Works used to apply water to beneficial use:

Rural Water System with several storage tanks at various locations—Total Storage Capacity of 2.7 million gallons.

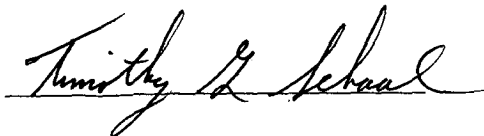
The system is in the following condition **Good**. The point of diversion is located **Well #4—2040 ft. south & 40 ft. east of the NW corner of Sec. 7-T97N-R76W (SW ¼ NW ¼) and Well #5—1125 ft. south & 1637 ft. east of the NW corner of Sec. 7-T97N-R76W (NE ¼ NW ¼)**. The works are capable of diverting and conveying to the place of use **1.11 (1.0 cfs for Well #5 & 0.11 cfs for Well #4)** cu. ft. per second of water which is to be used for **Rural Water System**. Water has been put to beneficial use to the maximum extent as follows:

Existing Rural Water System with several storage tanks at various locations—Total Storage Capacity of 2.7 million gallons

and the license should be issued for **1.11** cfs.

Applicable permit qualifications have been complied with: Yes **X**

Exceptions to compliance are: **none** Date Report Completed: **January 8, 1998**



Timothy G. Schaal, P.E.
Natural Resources Engineer
DENR, Water Rights Program

REPORT ON INSPECTION OF PERMIT NO. 2046-2

Other permit(s) associated with the project: 1792-2 & 2293-2

DATE OF INSPECTION: November 6, 1997

NAME & ADDRESS OF INSPECTION CONTACT/ Neil Frank
RELATIONSHIP TO PERMIT HOLDER, IF APPLICABLE: manager

NAME & ADDRESS OF PERMIT HOLDER: Tripp County Water User District, PO Box 1746,
Winner, SD 57580

DIVERSION POINT LEGAL LOCATION: Well #4—2040 ft. south & 40 ft. east of the NW corner of
Sec. 7-T97N-R76W (SW ¼ NW ¼) and Well #5—1125 ft. south & 1637 ft. east of the NW corner of
Sec. 7-T97N-R76W (NE ¼ NW ¼)

WELL INFORMATION: for Well #5

Well #4—see Water Permit No. 1792-2

- 1) Well Drilling Firm: Sargent Irrigation
- 2) No. of Wells 1 (well #5)
- 3) Depth(s) 210 feet
- 4) Well log is available yes
- 5) Comment: XXXX

Casing:

- 1) Diameter 16 inches
- 2) Length 185 feet
- 3) Type steel

Screen:

- 1) Type stainless steel
- 2) Length 25 feet
- 3) Static water level XXXX feet

Pump:

- 1) Make Sargent turbine
- 2) Model 04387
- 3) Size 10 inch
- 4) Capacity 450 GPM

Motor:

- 1) Make US Electric
- 2) Model No. 324TP WPI
- 3) Horsepower rating 30 hp

Back up Motor: 350 Chevy V8, propane

DISTRIBUTION LINES OR CANALS:

- 1) Type buried PVC 2) Size 8 inches 3) Length approximately 4000 feet

All wells routed to Well #1 for Chlorination and Fluoridation

PERMIT QUALIFICATIONS AND REGULATIONS:

- 1) Soil and water permit lands agree with lands being irrigated and lands listed on permit N/A
- 2) Special qualifications to permit being abided by yes
- 3) All structures, wells and lands on map yes
- 4) Irrigation Questionnaires checked to determine if permit owner started irrigation by the end of construction period N/A

Permit No. 2293-2
White River - Water District

Report Of Examination Of Works And/Or Application of Water To Beneficial Use

TO: Chief Engineer, Water Rights Program, DENR, Foss Bldg., Pierre, SD 57501

I have this day, **November 6, 1997**, made a thorough examination of the water use system constructed by **Tripp County Water Users District** of **PO Box 1746, Winner, SD 57580** holder of Permit No. **2293-2**, bearing the priority of **September 7, 1993** authorizing the diversion of **1.33 (600 gpm)** cu. ft. per second of the waters of **groundwater** for **Rural Water System** purposes, in **Tripp** County.

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

A. Works used to divert the water: **Well No. 6**

50 Hp, US Electric Motor, Model No. 324TP with 10 inch Sargent turbine pump, (no tag), 600 gpm capacity

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

Approximately 8000 feet of buried 10 inch PVC pipe (to well #1)

C. Works used to apply water to beneficial use:

Rural Water System with several storage tanks at various locations—Total Storage Capacity of 2.7 million gallons.

The system is in the following condition **Good**. The point of diversion is located **Well #6 --1100 feet north & 1400 feet west of the SE corner of Sec.12-T97N-R77W (SW ¼ SE ¼)**. The works are capable of diverting and conveying to the place of use **1.33 (600 gpm)** cu. ft. per second of water which is to be used for **Rural Water System**. Water has been put to beneficial use to the maximum extent as follows:

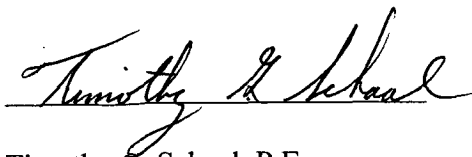
Existing Rural Water System with several storage tanks at various locations—Total Storage Capacity of 2.7 million gallons

and the license should be issued for **1.33 cfs.**

Applicable permit qualifications have been complied with: Yes **X**

Exceptions to compliance are: **Well constructed in SW ¼ SE ¼ not the NE ¼ SE ¼**

Date Report Completed: **January 15, 1998**



Timothy G. Schaal, P.E.
Natural Resources Engineer
DENR, Water Rights Program

REPORT ON INSPECTION OF PERMIT NO. 2293-2

Other permit(s) associated with the project: 1792-2 & 2046-2

DATE OF INSPECTION: November 6, 1997

NAME & ADDRESS OF INSPECTION CONTACT/ Neil Frank

RELATIONSHIP TO PERMIT HOLDER, IF APPLICABLE: manager

NAME & ADDRESS OF PERMIT HOLDER: Tripp County Water User District, PO Box 1746,
Winner, SD 57580

DIVERSION POINT LEGAL LOCATION: Well #6—1100 ft. north & 1400 ft. west of the SE corner
of Sec. 12-T97N-R77W (SW ¼ SE ¼)

WELL INFORMATION: for Well #6

- 1) Well Drilling Firm: Sargent Irrigation
- 2) No. of Wells 1 (well #6)
- 3) Depth(s) 195 feet
- 4) Well log is available yes
- 5) Comment: XXXX

Casing:

- 1) Diameter 16 inches
- 2) Length 138 feet
- 3) Type steel

Screen:

- 1) Type stainless steel
- 2) Length 55 feet
- 3) Static water level XXXX feet

Pump:

- 1) Make Sargent turbine
- 2) Model No tag
- 3) Size 10 inch
- 4) Capacity 600 GPM

Motor:

- 1) Make US Electric
- 2) Model No. 326TP
- 3) Horsepower rating 50 hp

Back up Motor: 350 Chevy V8, propane

DISTRIBUTION LINES OR CANALS:

- 1) Type buried PVC
- 2) Size 10 inches
- 3) Length approximately 8000 feet

All wells routed to Well #1 for Chlorination and Fluoridation

PERMIT QUALIFICATIONS AND REGULATIONS:

- 1) Soil and water permit lands agree with lands being irrigated and lands listed on permit N/A
- 2) Special qualifications to permit being abided by yes
- 3) All structures, wells and lands on map yes
- 4) Irrigation Questionnaires checked to determine if permit owner started irrigation by the end of construction period N/A

Approval of Location Change and/or Additional Diversion Point(s)

NAME: Tripp County Water Users District

ADDRESS: PO Box 1746, Winner, SD 57580

DATE: January 15, 1998

COUNTY: Tripp

TELEPHONE: 842-2755

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**

Yes—One well (1.33 cfs) in the Ogallala Formation constructed in the SW $\frac{1}{4}$ SE $\frac{1}{4}$ of Sec. 12-T97N-R77W instead of the NE $\frac{1}{4}$ SE $\frac{1}{4}$

- **If irrigation, no new land is irrigated**

N/A

- **Review of Existing Diversions**

Yes—The location change is approximately 600 feet from the original location and the only other wells in the immediate area are also owned by the District.

RECOMMENDED ACTION

Based on the above criteria, it is recommended that the diversion point(s) be licensed as developed.



Timothy G. Schaal, P.E.

Natural Resources Engineer

Water Rights Program

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

This change in location and/or additional diversion point(s) does not increase the potential for adverse effects to existing diversions.



John Hatch, Chief Engineer

Water Rights Program

1-26-98

MAP NOT TO SCALE
THIS IS NOT AN OFFICIAL WETLAND MAP.

T441

(329A)

12

2 120.1 HEL

T2232

T2154

Well #6

600

1000

575

NOT TO SCALE

T3093

X ← WELL #2
PERMIT # 1560-2

(I-10) (152.4)

248
T2166
248
8
1

X ← WELL #2
PERMIT # 1300-2

26.4

51.6

.8

MAP PREPARED BY
DAVID BROWN

2

1136
113.6

97.76

2940
T2231

(152.4)

(I-10)

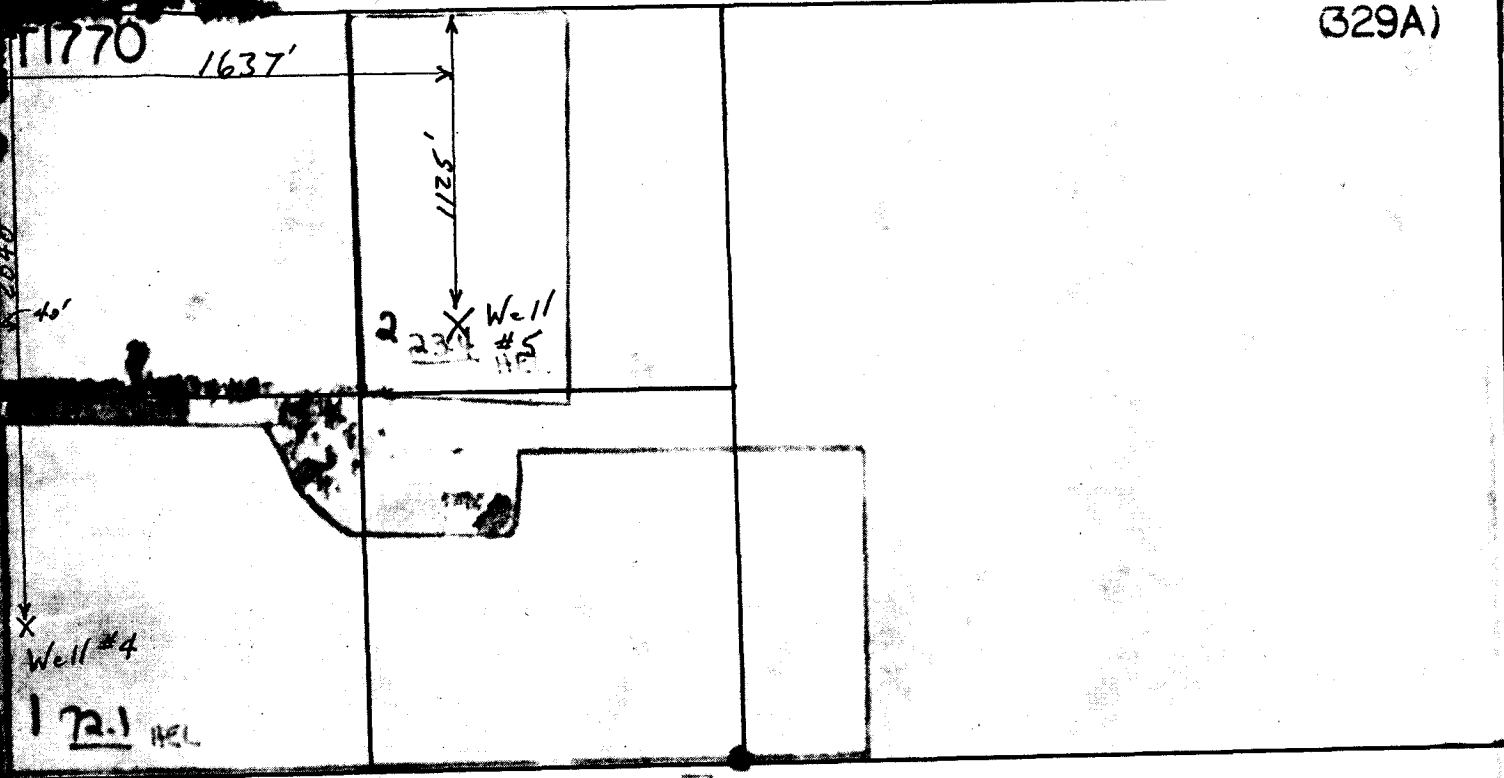
592

W/L
2293-2
1192-2

MAP NOT TO SCALE
THIS IS NOT AN OFFICIAL WETLAND MAP.

2293-2

(Internal)



97-76

12.1 HEL

Water Permit No. 2046-C
County Water Users District

[Signature]
1998

2293-2

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 2293-2

(1) Tripp County Water User District, PO Box 1746, Winner SD 57580 made Application No. 2293-2, September 7, 1993 for a water permit to divert 1.33 cubic feet of water per second (cfs) from groundwater (one well), Tripp County, South Dakota for rural water system purposes. Permit No. 2293-2, with a priority date of September 7, 1993 was approved December 1, 1993 and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before December 1, 1998 and for the application to beneficial use of said water on or before December 1, 2002.

An investigation conducted for licensing purposes found the well under Water Permit No. 2293-2 was not in the location authorized by the permit. Pursuant to SDCL 46-5-13.1, the Chief Engineer makes a finding that the change in location of diversion point does not increase the potential for interference with existing water rights.

Permits associated with this water use system:

- Water Permit No. 1300-2 - Well #2 - 0.22 cfs - September 18, 1975 priority date
- Water Permit No. 1560-2 - Well #1 - 0.33 cfs - March 3, 1977 priority date
- Water Permit No. 1792-2 - Well #4 - 0.89 cfs - September 17, 1981 priority date
- Water Permit No. 2046-2 - Well #4 - 0.11 cfs (additional) - October 14, 1987 priority date
Well #5 - 1.00 cfs - October 14, 1987 priority date
- Water Permit No. 2293-2 - Well #6 - 1.33 cfs - September 7, 1993 priority date

The applicable portions of Water Permit Nos. 1300-2, 1560-2, 1792-2 and 2046-2 have been incorporated into this Water License No. 2293-2.

(2) It is certified that the applicant has complied with the provisions of South Dakota State Law relating to completion of the construction of the water supply system and is entitled to divert 3.88 cubic feet of water per second for beneficial use. The location of the diversion points are as follows:

Well #1 - 250 feet south and 590 feet east of NW corner of Section 8-T97N-R76W (NW 1/4 NW 1/4)
Well #2 - 1,257 feet south and 1,225 feet east of NW corner of Section 8-T97N-R76W (NW 1/4 NW 1/4)
Well #4 - 2,040 feet south and 40 feet east of the NW corner of Section 7-T97N-R76W (SW 1/4 NW 1/4)
Well #5 - 1,125 feet south and 1,637 feet east of the NW corner of Section 7-T97N-R76W (NE 1/4 NW 1/4)
Well #6 - 1,100 feet north and 1,400 feet west of the SE corner of Section 12-T97N-R77W (SW 1/4 SE 1/4)

(3) The applicant has complied with the provisions of South Dakota State Law relating to the application of water to beneficial use to serve water to the rural area and the towns and communities of Colome, Dallas, Witten, Wood, Ideal, Okreek, Winner and Dixon.

(4) Pursuant to South Dakota Water Law 46-5-30.1 Tripp County Water Users District, PO Box 1746, Winner SD 57580 the holder and/or owner of Incorporated Water Permit No. 2293-2 is issued a license to appropriate water, the right to use 3.88 cubic feet of water per second from groundwater (five wells) with priority dates of September 18, 1975, March 3, 1977, September 17, 1981, October 14, 1987 and September 7, 1993 from the locations specified in (2) of this license for rural water system use purposes. This license is subject to any limitations or qualifications listed in Incorporated Water Permit No. 2293-2 and subject to South Dakota State Law.


JOHN HATCH, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

FEB 27 1998

date





**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

FEB 27 1998

2293-2

Tripp County Water Users District
%Neil Frank, Manager
P.O. Box 1746
Winner, SD 57580

Dear Mr. Frank:

Enclosed is Water License No. 2293-2. This is the final water right document completing your process of obtaining a Water Right. Enclosed is Receipt No. 410808 in the amount of \$50.00 which you paid for the investigation 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. 2293-2, 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, Chief Engineer
Water Rights Program
(605) 773-3352

ks
enclosures

NOTE: The applicable portions of Water Permit Nos. 1300-2, 1560-2, 1792-2 and 2046-2 have been incorporated into this Water License No. 2293-2.

RECEIPT

Division of Water Rights

South Dakota Department of Water and Natural Resources

Pierre, April 7, 19 87

RECEIVED OF Tripp Co. Water Users Dist., PO Box 1746, Winner, SD 57580

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

Fee for Application for Permit No. _____ to Appropriate Water, to construct works and to put water to beneficial use _____		
Fee for Application for Permit No. _____ to Appropriate Water for Future Use _____		
Fee to retain Future Use Permit No. _____ after period of seven years.		
Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water License No. <u>1792-2</u>	50	00
Fee for Filing Transfer Form _____		
Fee for Filing Extension Request _____		
Fee for Certified Copy of _____		
Fee for Print Copy of Map _____		
Fee for Certifying _____		
Fee for _____		
(Any Other Work Provided by Law)	Total	50 00

*This license fee applied to
Water Right 2293-2 which incorporates
1300-2, 1560-2, 1792-2 & 2046-2*

By John Hatch
Chief Engineer JOHN HATCH



1300-2
1560-2
1792-2White River 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 Tripp County Water Users District of P.O. Box 1746, Winner, SD 57580 holder of Permit No. 1300-2, bearing the priority of September 18, 1975 1975 authorizing the diversion of 0.89 cu. ft. per second of the waters of ground water for rural water purposes, in Tripp County.

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

- A. Works used to divert the water:
 well #1, Byron-Jackson Pump, Model #771H, 150 GPM, Westinghouse motor, Model #680B 276542, 15 HP
 well #2, Byron-Jackson Pump, Model #771H-7787, 100 GPM, Westinghouse motor, Model #680B 276536, 10 HP
 well #3, Abandoned
 well #4, 228' deep, 12" steel casing, 12" SS screen, Sargent pump, no tag, 450 GPM, 1 stage, U.S. electric motor, 40 HP, ID #R-6229-05-390, R1002404N
- B. Works used to transport water to place of use:
 Rural water distribution system

C. Works used to apply water to beneficial use:

Rural water service connections

The system is in the following condition Good

The point of diversion ^{are} located at a point 1,250' south and 1,225' east and also 250' south and 590' east of the NW corner of Section 8, T97N R76W; and at a point 2040' south and 40' east of the NW corner of Section 7, T97N R76W

The works are capable of diverting and conveying to the place of use 0.89cu. ft. per second of water which is to be used for Rural water

Water has been put to beneficial use to the maximum extent as follows: As indicated above for rural water purposes

Note: well log found for well #4 only - well logs for well #'s 1 & 2 are not available

comprising a total of _____ acres of land and the license should be issued for 1.44 cfsApplicable permit qualifications have been complied with ☒ Yes ☐ No

Exceptions to compliance are:

Incorporate and license permits #5 1300-2, 1560-2, 1792-2

Date March 9, 1987

Priority Dates:
 Permit #1300-2 September 18, 1975 (0.22 cfs)
 #1560-2 March 3, 1977 (0.33 cfs)
 #1792-2 September 17, 1981 (0.89 cfs)

David D. Brown
 (signature)

2293-2



RECEIVED
OCT 12 2012
WATER RIGHTS
PROGRAM

October 8, 2012

South Dakota Dept. of Environment & Natural Resources
Mr. Eric Gronlund
Joe Foss Building
523 E. Capitol
Pierre, SD 57501

RE: Tripp County Water Users District Proposed Well

Dear Eric,

Tripp County Water User District (TCWUD) is requesting approval to construct a new well in the Ogallala Aquifer where they currently have six operating wells. Our understanding is that TCWUD has permits in place which allow for a total of 6.56 cfs diversion or 2950gpm. TCWUD is not requesting to increase the diversion rate but rather intends to drill an additional well to use as a backup in the event that one of their other wells needs maintenance or repairs and it would also be used to alternate with the other wells to reduce the usage of each and extend their working life. The maximum diversion rate currently being used by TCWUD on a peak day is approximately 1805gpm or 2.6 mgd. This is 61% of their total permitted diversion.

The proposed construction would be completed in a similar fashion to the wells drilled in 2004. We have attached drawings of the proposed well construction and the proposed location. Following completion of the well we will forward to you copies of the drilling logs, information on the production well, survey location of the completed well, and pump test information. Please advise if more information is needed for TCWUD to proceed with plans to construct a new well. If you have any questions please call.

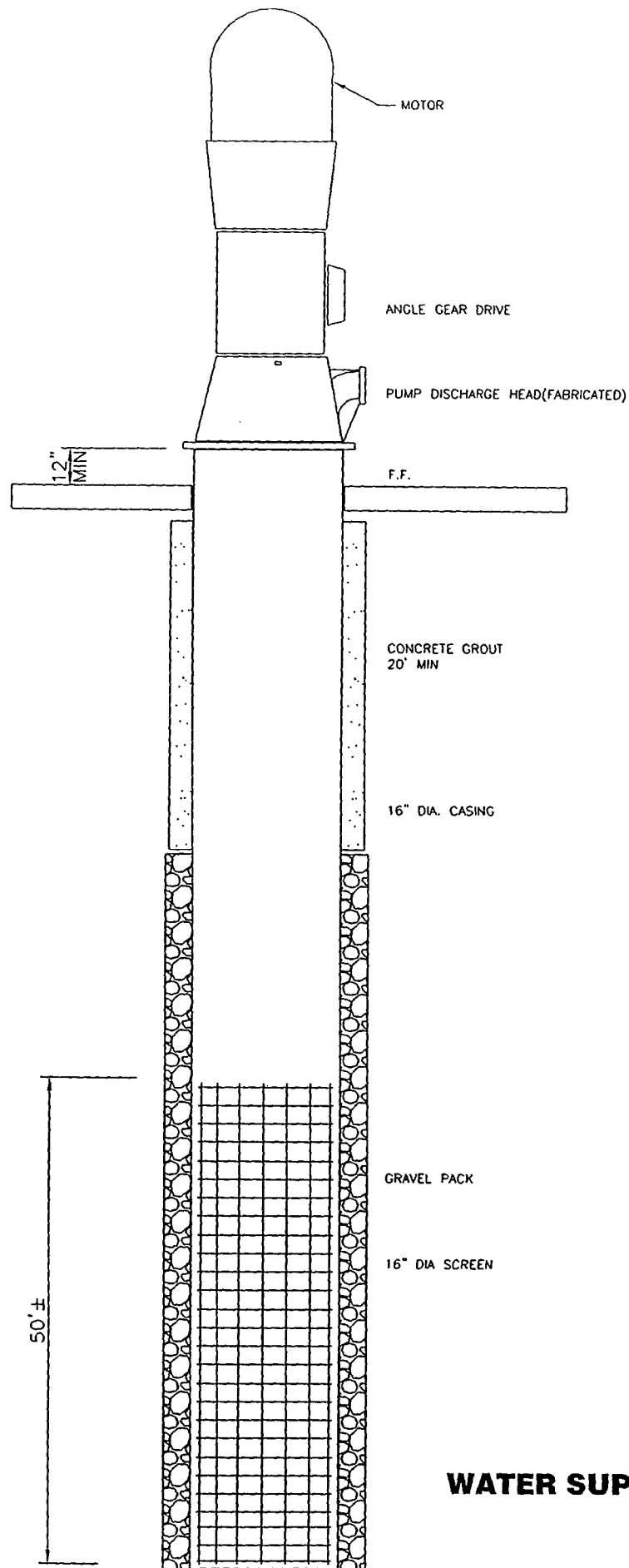
Sincerely

Bartlett & West, Inc.

Lyle Schumack

Lyle Schumack
Project Manager

CC: TCWUD - Russ
File: Tripp Wells



WATER SUPPLY WELL

Gronlund, Eric

From: Lyle Schumack <lyle.schumack@bartwest.com>
Sent: Wednesday, October 17, 2012 8:59 AM
To: Gronlund, Eric
Subject: RE: Tripp County RWS

Eric,

1. TCWUD Well 2 in the NW ¼ of Section 8 is inoperable.
2. Both wells that were in the NW 1/4 ,NW 1/4 of Section 8 are inoperable.

TCWUD has 6 operable wells. The one that is shown on the map in the NW ¼ of Section 8 is inoperable. That should leave six remaining on the map. All other wells that they may have had are inoperable at this time.

*Lyle Schumack
Project Manager
Bartlett & West, Inc.
Office No. 605-274-7415
Cell No. 605-222-4362*

From: Gronlund, Eric [<mailto:Eric.Gronlund@state.sd.us>]
Sent: Tuesday, October 16, 2012 11:40 AM
To: Lyle Schumack
Subject: Tripp County RWS

Lyle – on behalf of Tripp County RWS – Bartlett&West filed a request for an additional diversion point. A couple quick questions.

1. Your letter indicates six operating wells and the submitted map shows seven wells. Is one of the wells shown on the map inoperable?
2. The RWS has two water rights. WR 2515-2 for three wells all shown on the map. WR 2293-2 is for five wells with only four shown on the map. It appears at one time two wells were in the NW ¼ NW ¼ Section 8. Am I correct to assume one of these two wells is abandoned and now only one well as shown on the map exists in the NW ¼ NW ¼ Section 8?

Eric Gronlund
Water Rights Program, DENR
605 773-3352
eric.gronlund@state.sd.us

This e-mail and any files transmitted with it are confidential and intended solely for the use of the addressee. If you receive this transmission in error, please notify the sender and delete this e-mail. No employee or agent is authorized to conclude any binding agreement on behalf of Bartlett & West, Inc. with another party by e-mail.



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
denr.sd.gov

October 19, 2012

Lyle Schumack, Project Manager
Bartlett and West
5900 S. Western Avenue, Suite 101
Sioux Falls, SD 57108

Russ Phillips, Manager
Tripp County Water Users District
PO Box 1746
Winner SD 57580

Dear Mr. Schumack and Mr. Phillips:

I am writing in regard to a request for an additional diversion point for Water Right Nos. 2293-2 and 2515-2 for Tripp County Water Users District (TCWUD).

Water Right No. 2293-2 appropriates 3.88 cfs from five wells located in the NW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 8, and SW $\frac{1}{4}$ NW $\frac{1}{4}$, NE $\frac{1}{4}$ NW $\frac{1}{4}$ Section 7; all in T97N, R76W and the SW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 12, T97N, R77W. Mr Schumack indicated that the two wells located in the NW $\frac{1}{4}$ of Section 8 are no longer in operation.

Water Right No. 2515-2 appropriates 2.68 cfs from three wells completed into the Ogallala Aquifer located in the SE $\frac{1}{4}$ NW $\frac{1}{4}$ Section 13, SW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 12; T97N, R77W and the SW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 18, T97N, R76W.

TCWUD has requested authorization for a new well is to be located in the NE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 13, T97N, R77W. The request states well will be completed in the Ogallala Aquifer and will be used in conjunction with TCWUD other wells. Specifically, the new well will be used as backup when other wells are out of service and used on an alternating basis with other permitted wells to extend their working life.

Upon review of the request and pursuant to SDCL 46-5-13.1, the new well is authorized without application or publication of a notice of hearing. No additional appropriation above the amounts authorized by Water Right Nos. 2293-2 and 2515-2 is authorized. If more than a combined total of 6.56 cfs is diverted from the six existing wells and this new well, a new water right permit is required.

This new well will be in close proximity to existing TCWUD wells. Pumping may result in interference between wells. The operation to minimize interference between its own wells is a management issue for TCWUD.

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

Sincerely,

Garland Erbele, Chief Engineer
Water Rights Program

Request for Additional Diversion Point

NAME: Tripp County Water Users District**ADDRESS:** PO Box 1746, Winner SD 57580**DATE:** October 16, 2012 **COUNTY:** Tripp **TELEPHONE:**

Lyle Schumack with Bartlett and West filed a request on behalf of Tripp County Water Users District (TCWUD) for a new well to be completed in the Ogallala Aquifer. TCWUD does not request an increase in the diversion rate but instead the additional well is to be for back-up when other wells are out of service and may be used on an alternating basis with other wells extend the working life of wells in their well field.

Water Right No. 2293-2 appropriates 3.88 cfs from five wells located in the NW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 8, and SW $\frac{1}{4}$ NW $\frac{1}{4}$, NE $\frac{1}{4}$ NW $\frac{1}{4}$ Section 7; all in T97N, R76W and the SW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 12, T97N, R77W. The map submitted with the request only shows four of the wells. One of the two wells listed on the water right in the NW $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 8 is not shown. Mr Schumack was contacted and indicated that there is only one well in the NW $\frac{1}{4}$ of Section 8 and it is no longer operable

Water Right No. 2515-2 appropriates 2.68 cfs from three wells completed into the Ogallala Aquifer located in the SE $\frac{1}{4}$ NW $\frac{1}{4}$ Section 13, SW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 12; T97N, R77W and the SW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 18, T97N, R76W.

The new well is to be located in the NE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 13, T97N, R77W. See map for the location of the new well in relation to existing TCWUD wells, neighboring domestic wells and appropriative rights.

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 remains the Ogallala Aquifer. TCWUD current wells are in a range of 190 to 280 feet deep. The consultant anticipates a well depth of 240 – 280 feet deep for this additional well. No additional water is to be appropriated by this request. The wells authorized by Water Right Nos. 2293-2 and 2515-2 appropriate a combined total of 6.56 cfs from the aquifer in this area. The submitted request reflects the additional well and existing wells will not exceed the authorized this amount. The additional well will be used on an alternating basis with the existing wells in order to rest wells and will not result in a greater diversion from the aquifer.

- **Review of Existing Diversions**

The Water Rights Program's database of well completion reports was reviewed for domestic wells in the area. The nearest domestic well on file is approximately 1300 foot to the south. There are a number of domestic wells on file in the area. It is not known how many are active. The TCWUD wells and any active domestic wells have been in existence for a number of years without controversy.

The water rights database was also reviewed. The nearest water rights from the Ogallala Aquifer are shown in the table below.

Water Right	CFS	Use	Depth	Approximate Distance from new well location
1516-2	1.14 cfs	Irrigation	137 ft	1.1 miles to the southwest
1307-2	0.91 cfs	Irrigation	160 ft	1.6 miles to the northeast
1769-2	1.11 cfs	Irrigation	156 ft	2.2 miles to the west
Winner's WR		Municipal	100 – 120 ft	2.5 miles to the northeast

The proximity of the additional new well and the other existing wells authorized Water Right No. 2515-2 may result in interference. However, since the wells are operated by TCWUD this becomes a management decision by the water right holder.

CONCLUSION

- The additional well does not appropriate additional water.
- The additional well is to be completed into the Ogallala Aquifer.
- Interference is not expected to be a concern.
- Existing domestic wells will not be adversely impacted by authorizing this additional well.
- Water Right Nos. 2293-2 and 2515-2 appropriate a total of 6.56 cfs from eight wells. Two of the wells in the NW ¼ Section 8 under No. 2293-2 are no longer operable. This request could be viewed as a change of well location.

RECOMMENDED ACTION

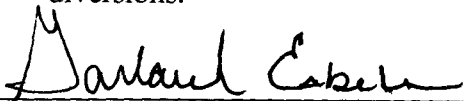
Based on the above criteria, it is recommended that the additional/change of diversion point be authorized pursuant to SDCL 46-5-13.1.



Eric Gronlund, Natural Resources Engineer
Water Rights Program

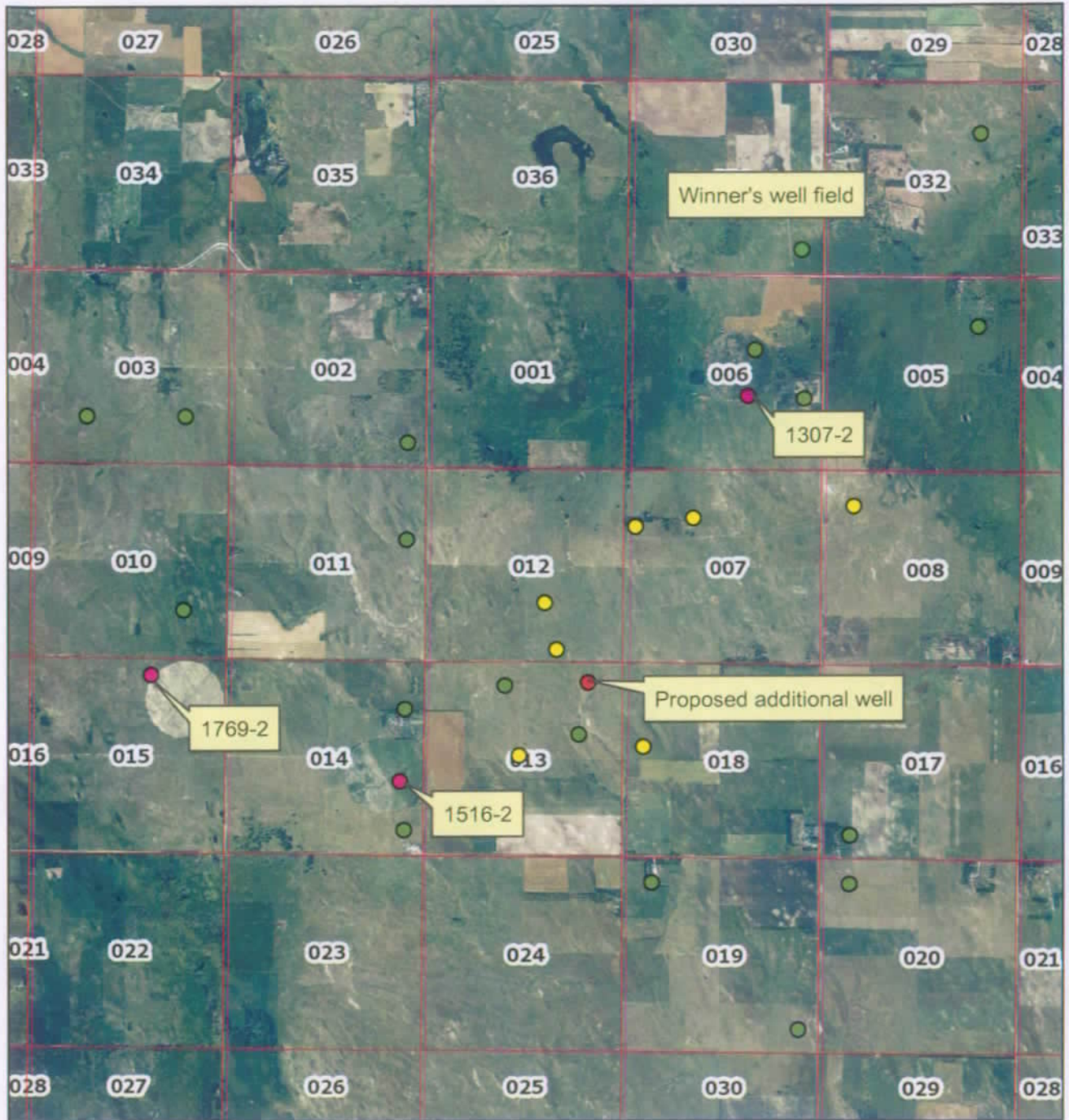
The Chief Engineer makes a finding pursuant SDCL 46-5-13.1 and ARSD 74:02:01:14.01 that:

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



Garland Erbele, Chief Engineer
Water Rights Program

tripp county Water User District's request for an additional well

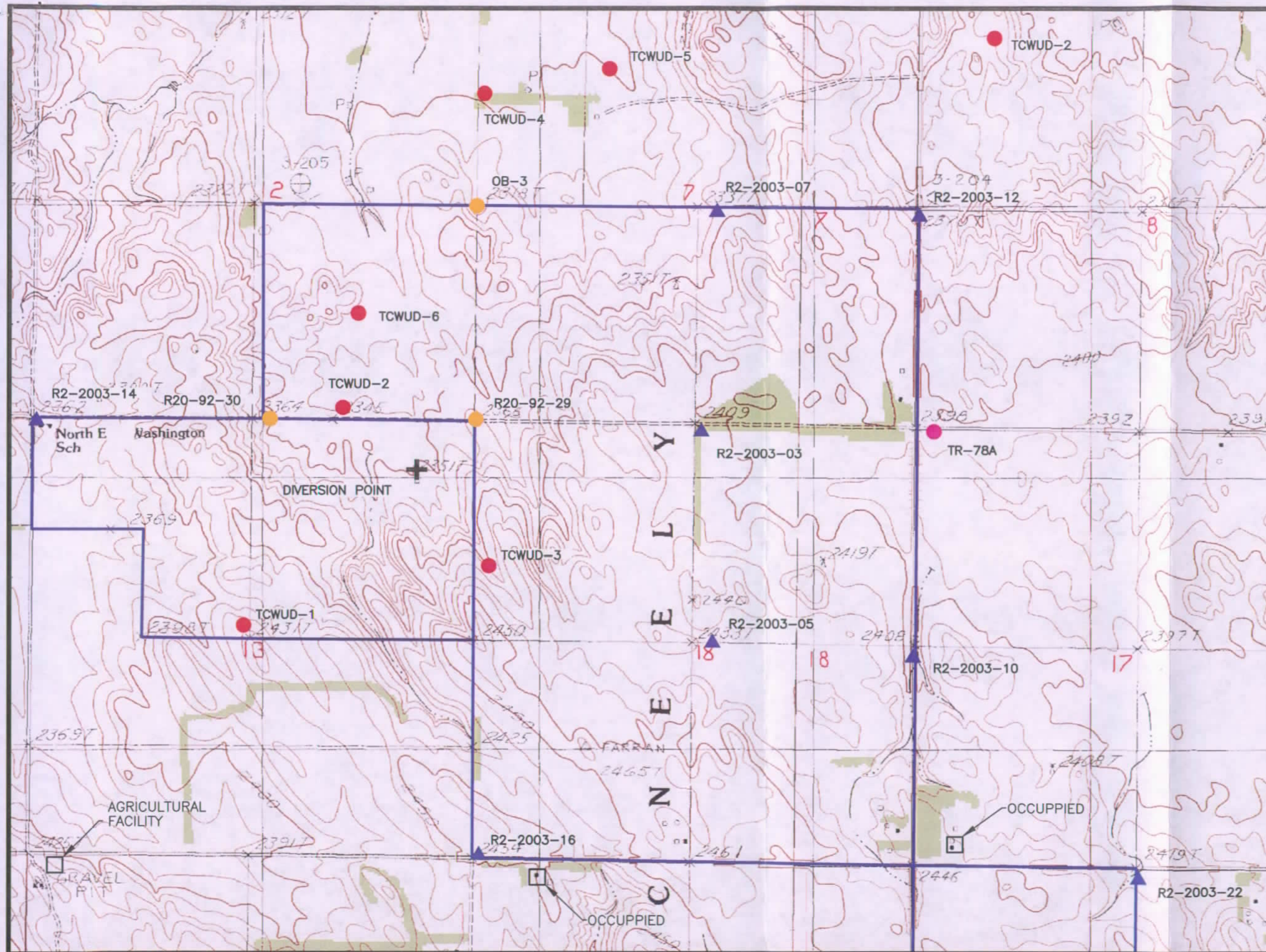


5,000 2,500 0 5,000 Feet



- Location of well completion reports on file
- Existing Tripp County Water User District wells
wells in NW 1/4 Section 8 are inoperable
- Nearby water rights from Ogallala Aquifer





LOCATION OF MONITORING
WELLS IN THE VICINITY OF
THE TRIPP COUNTY WATER
USER DISTRICT



- TRIPP COUNTY WATER USER DISTRICT PROPERTY LINE
- TRIPP COUNTY WATER USER DISTRICT WELL
TCWUD-4
- SOUTH DAKOTA GEOLOGICAL SURVEY WELL INSTALLED PRIOR TO 2003
R20-2001-08
- WATER RIGHTS WELL
TR-78A
- ▲ SOUTH DAKOTA GEOLOGICAL SURVEY WELL INSTALLED IN 2003
R20-2003-14
- + PROPOSED DIVERSION POINT

DIVERSION POINT 800'
WEST & 800' SOUTH OF
NE CORNER SEC 13 T97N
R77W

2293-2

**Tripp County Water User District
1052 West 1st Street
Winner, South Dakota 57580**

Telephone: (605) 842-2755

Fax: (605) 842-1621

December 26, 2012

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DEC 27 2012

**WATER RIGHTS
PROGRAM**

DENR
PMB 2020
Joe Foss Building
523 East Capitol
Pierre, SD 57501-3182

Dear Sirs,

Please find enclosed documentation for the abandonment of Old Well #1 completed by Sargent Drilling - November 7, 2012. If you have any questions please call our office at 605-842-2755.

Thank you.

Sincerely,



Russ Phillips
Manager

RTP/lks

ENC: Sargent Drilling Report

Cc: file

**WATER RIGHTS
PROGRAM**