

WATER PERMIT NO. 2263-2

Phone: 334-2212

Name of Applicant: Town of Belvidere

Post Office Address: PO box 189, Belvidere SD 57521-0189

Amount of Water Claimed: 0.08 add'l (35 gpm) Total Acres: NA

Source of Water Supply: groundwater

Water to be used for: municipal County: Jackson

About _____ miles _____ of _____

PRIORITY Date Received: 3-2-93 Fee: \$50 Remarks: Increase the

diversion rate authorized on Water Permit No. 2148-2

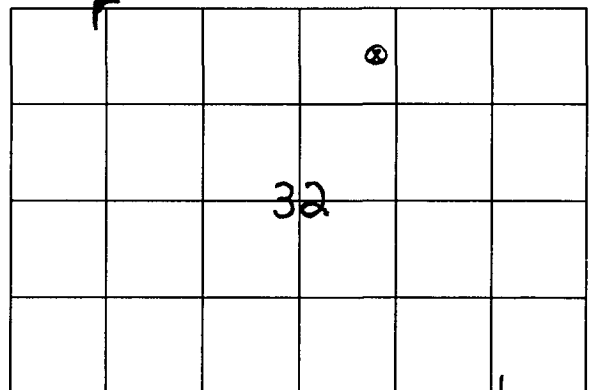
Corrected Application Received: _____ Period of Annual Use: Jan 1 - Dec 31

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

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

Diversion Point: NW 1/4 NE 1/4 Sec 32-T2S-R24E

Land to be Irrigated: _____



Well Log: Driller: Layne Western Co. Licensed YES X NO _____

Depth of Well: 2535' REMARKS: _____

Type of Map: topo PREPARED BY: Harlan J. Quenzer Reviewed and the Number

Assigned on: 3-2-93 By: Karen Schlaak

FORM 2: Application for uses other than irrigation

(type or print)

Mail to:
Water Rights Division
Joe Foss Building
523 E Capitol
Pierre SD 57501-3181
605 773-3352

No. 2263-2 Hydrologic Unit 10140102
Basin Bad River
Newspaper Kadoka Press, Box 309, Kadoka, 57543
(office use only)



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

Check use of water:

☒ Municipal ☐ Suburban Housing ☐ Recreational ☐ Institutional
☐ Rural Water System ☐ Commercial ☐ Fish & Wildlife ☐ Geothermal Heat
☐ Domestic ☐ Industrial ☐ Other _____
(over 18 gpm)

Type of Application: ☐ New ☐ Vested Right (Use predates Mar 2, 1955) ☐ Future Use Reservation
(check one) ☐ Place to Beneficial Use Water Reserved by Future Use Permit No. _____
☒ Amendment/Correction to Permit No. 2148-2

Description of amendment/correction: (i.e. change diversion point(s), add diversion point(s), change use, etc.) NEW WELL CONSTRUCTION COMPLETED. OLD WELL APPROPRIATELY PLUGGED. NEW WELL AND PUMP CAN PRODUCE 75 GPM, WHERE OLD WELL HAD MAXIMUM CAPACITY OF APPROXIMATELY 40 GPM. ACTUAL OVERALL USAGE NOT EXPECTED TO CHANGE.

1. Name of Applicant TOWN OF BELVIDERE Phone 334-2212

Mailing Address PO BOX 189, BELVIDERE State SD 57521-0189
(Street, RR, or Box) (City) (Zip Code)

2. Amount of water claimed 0.08 *CFS or 7535 add'l **GPM ***AF
(*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout or annual use if applicable)

3. Source of water supply WELL INTO LAKOTA FORMATION

4. Location of point of diversion (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W) NW 1/4 OF NE 1/4 OF SECTION 32, T 2S, R 24 E BH PM

County JACKSON

5. County or counties where water will be used JACKSON

6. Annual period during which water is to be used JANUARY 1 TO DECEMBER 31

7. Give a description of the 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)

REPLACEMENT WELL DRILLED ON OWNERS PROPERTY APPROXIMATELY 95' WEST 23' SOUTH OF THE OLD WELL. OLD WELL'S "SHOT" CASING HAD DETERIORATED AND WELL COULD NO LONGER SUPPLY SUFFICIENT QUANTITIES OF WATER TO MEET COMMUNITY NEEDS. NEWLY CONSTRUCTED WELL AND NEW PUMP CAN PRODUCE MORE WATER PRIMARILY DUE TO IMPROVED CONSTRUCTION TECHNIQUES. SEE ATTACHED SUPPLEMENTAL INFORMATION SHEET FOR MORE INFORMATION.

Attachments: Attach Form 2A if diversion is from a well or dugout, or if storage of water is proposed. Attach map and any other technical information. (see instructions)

STATE OF SOUTH DAKOTA)

County of Jackson)^{ss}

I, Crystal Paulson, 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 Crystal Paulson
Subscribed and sworn to before me this 1 day of March 1993
Cathy Ireland
Notary Public

Supplemental Information

(type or print in ink)



1. Well Information - Actual Construction

- a) Drill Hole Diameter 12 1/4" Depth 2127', & 7" to 2535'
- b) Casing Type STEEL Diameter 7" Thickness .375"
- c) Screen Type STAINLESS STEEL Diameter 3" Thickness N/A
- d) Gravel Pack Thickness 2" Length of Gravel Pack 408'
- e) Depth to Top of Water Bearing Material 2127'
- f) Depth to Water (ground surface to water level) 259'
- g) Distance to nearest existing domestic well:
- On applicants property NONE On property owned by others APPROXIMATELY 3/4 MILE

2. Dugout Information

- 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 for each dam. The locations of the dams need to 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

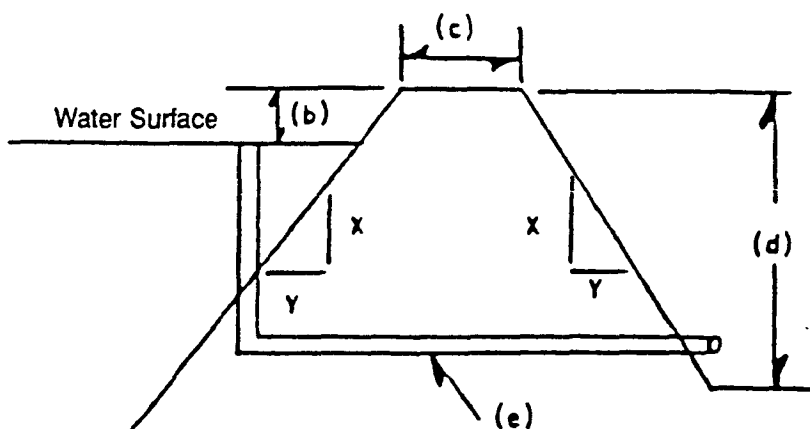
Upstream _____

Downstream _____

h) Surface Area of Impoundment _____

i) Storage _____ Acre Feet

j) Drainage Area above Dam _____ Acres



**SOUTH DAKOTA
WATER PERMIT NO. 2263-2**

Date of first receipt of application March 2, 1993.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 2263-2 to the Town of Belvidere, PO Box 189, Belvidere SD 57521-0189 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. 2263-2 appropriates 0.08 cubic feet of water per second (cfs) by increasing the diversion rate authorized by Water Permit No. 2148-2. Water Permit No. 2148-2 appropriates 0.09 cfs from one well 2420 feet deep located in the NE 1/4 NE 1/4 Section 32-T2S-R24E. This permit increases the water appropriation from a replacement well, for the well authorized by Water Permit No. 2148-2, from 0.09 cfs to 0.17 cfs. The replacement well (Inyan Kara Formation) 2535 feet deep is located in the NW 1/4 NE 1/4 Section 32-T2S-R24E.
2. The water appropriated shall be used for the purpose of supplying water to the Town of Belvidere and may not exceed the amount of water needed for beneficial use for municipal purposes.
3. The water is to be used during the following described annual period: January 1 - December 31.
4. The date of approval of Permit No. 2263-2 is June 2, 1993.
5. The date from which applicant may claim right is March 2, 1993.
6. Water rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

QUALIFICATION

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

SEP 17 1993
date

RECEIPT

413658

Division of Water Rights

South Dakota Department of Environment and Natural Resources

Pierre, _____, March 2, 19 93

RECEIVED OF Town of Belvidere, PO Box 189, Belvidere, SD 57521

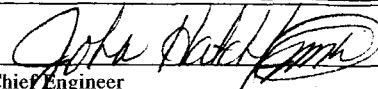
the following amount in fees for services rendered as provided for by law:

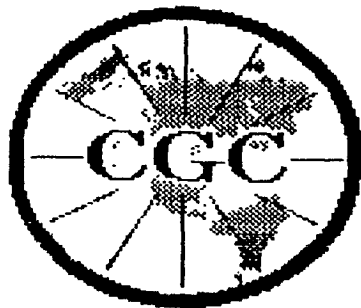
Fee for Application for Permit No. <u>2263-2</u> to Appropriate Water, to construct and to put water to beneficial use _____	50	00
Fee for Application for Permit No. _____ to Appropriate Water, for Future Use _____		
Fee to retain Future Use Permit No. _____ after period of seven years.		
Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water License No. _____		
Fee for Filing Transfer Form _____		
Fee for Filing Extension Request _____		
Fee for _____		

(Any Other Work Provided by Law)	Total	50 00

By

Chief Engineer





Century GEOPHYSICAL CORP.

Belvedere city

COMPANY : Layne Western
WELL : Belvedere city
LOCATION/FIELD : 02S-24E-32AAAA
COUNTY : JACKSON
STATE : SD
SECTION : 32

OTHER SERVICES:

TOWNSHIP : 02S RANGE : 24E

DATE : 09/22/92
DEPTH DRILLER : 2535
LOG BOTTOM : 2336.70
LOG TOP : 7.70

PERMANENT DATUM : CASING
ELEV. PERM. DATUM : 2320
LOG MEASURED FROM: CASING
DRL MEASURED FROM: CASING

ELEVATIONS:
KB :
DF :
GL : 2320?

CASING DRILLER : 2139
CASING TYPE : STEEL
CASING THICKNESS: 0.0

LOGGING UNIT : CENT
FIELD OFFICE : Vermillion
RECORDED BY : R> HAMMOND

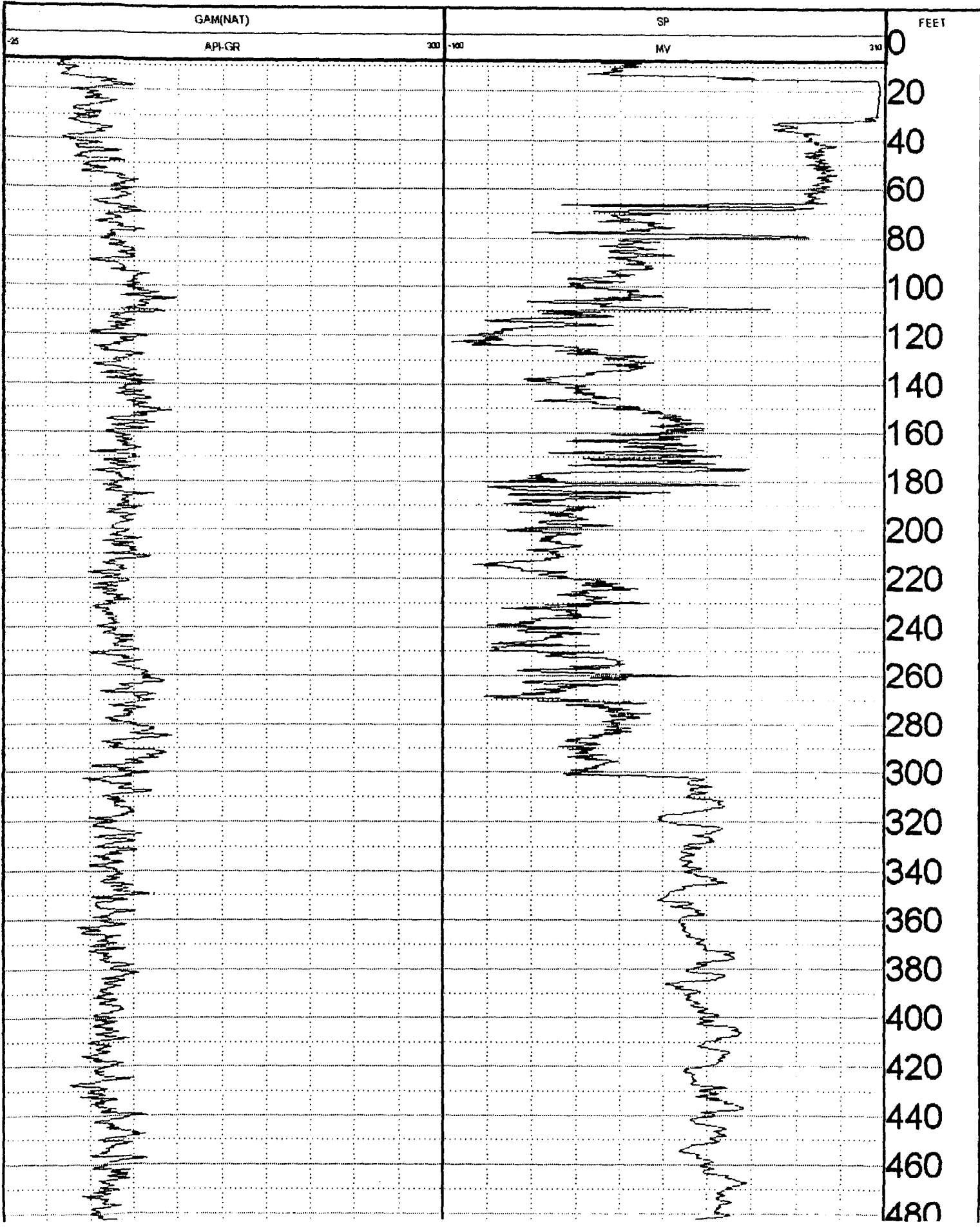
BIT SIZE : 6.75
MAGNETIC DECL. :
MATRIX DENSITY :
FLUID DENSITY :
NEUTRON MATRIX :

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

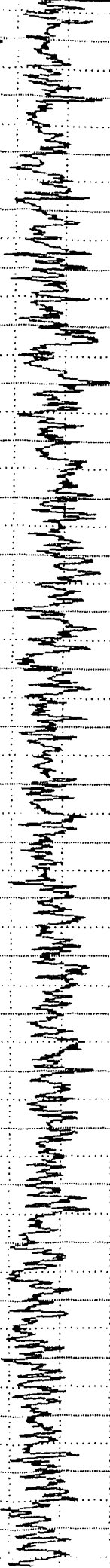
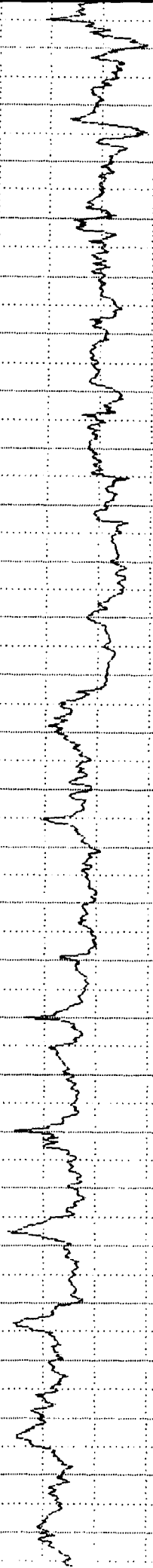
FILE : ORIGINAL
TYPE : 9060A
LOG : belveder.a
PLOT :
THRESH:

REMARKS:

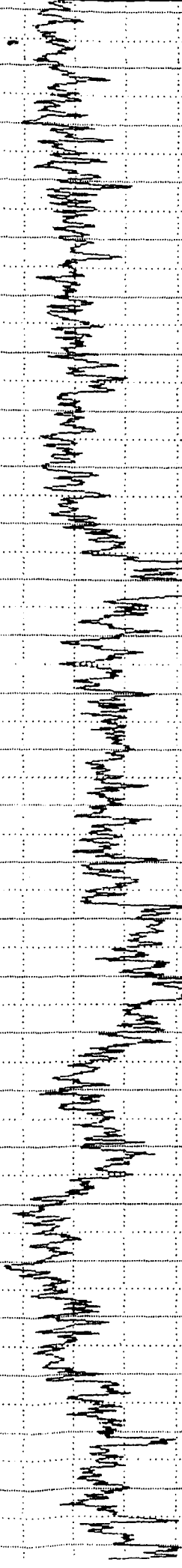
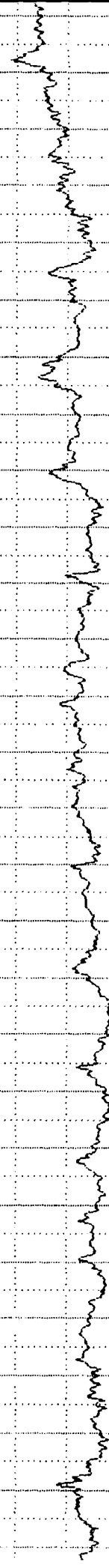
ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

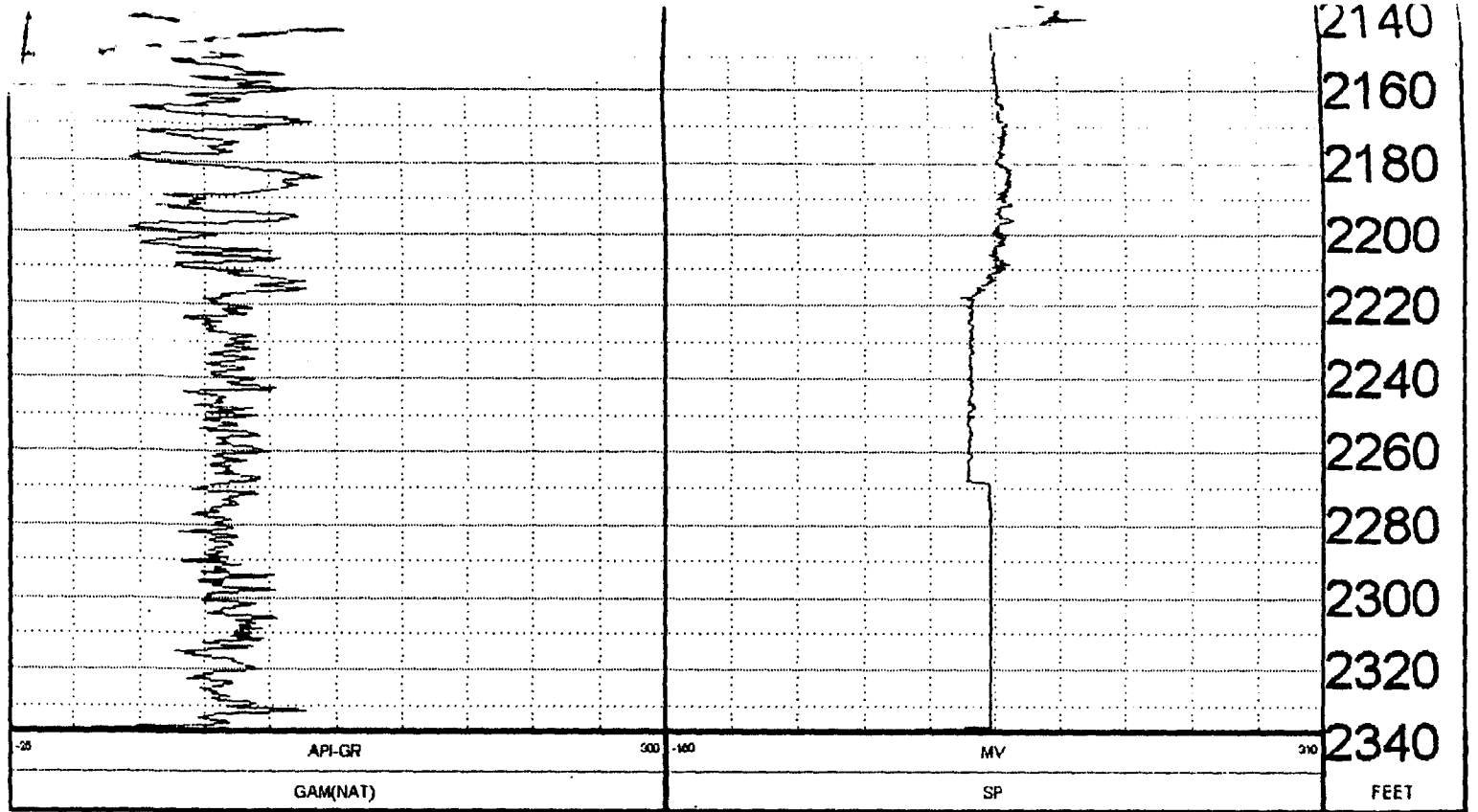


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WELL TEST DATA SHEET

Layne-Western Company, Inc.

PROFESSIONAL SERVICES FOR WATER SYSTEMS

4430 Commercial Avenue • Omaha, Nebraska 68110 • Phone: 402/451-2388



Job BEVERDERE, SD Well No. 1 Date Tested 10-2-92
Location BEVERDERE, SD Tested By MCCRACKEN
Dia. of Well 8" Driver TRASK
Depth of Well _____ Pump Used: _____ Column and Shaft _____
Length of Airline _____ Bowls _____
Non-Pumping Level 259 Manufacturer _____
Orifice Size 4X2 Serial No. _____

Time	Piezometer Reading (in.)	G.P.M.	Air Gauge Reading (feet)	Pumping Level	Drawdown	Disch. Pressure		Total Pumping Head	Remarks
						Lbs.	Feet		
5 MIN	24.5	74.7		286' 5"					
10 MIN	24.5	74.7		285' 2"					
15 MIN	24.5	74.7		283' 5"					
20 MIN	24.5	74.7		283' 2"					
25 MIN	24.5	74.7		282' 6"					
30 MIN	24.5	74.7		281' 8"					
40 MIN	24.5	74.7		280' 3"					
50 MIN	24.5	74.7		280' 1"					
1 HR	24.5	74.7		279' 6"					102°
1:10	24.5	74.7		279' 2"					
1:20	24.5	74.7		279' 4"					
1:30	24.5	74.7		279' 5"					
1:40	24.5	74.7		279' 5"					
1:50	24.5	74.7		279' 5½"					
2 HR	24.5	74.7		280' 2½"					120°
2:30	24.5	74.7		280' 5"					130°
3:00	24.5	74.7		280' 8"					130°
3:30	24.5	74.7		280' 11½"					130°
4:00	24.5	74.7		280' 7"					130°
4:30	24.5	74.7		281' 4½"					
5:00	24.5	74.7		281' 7"					
5:30	24.5	74.7		281' 4"					
6:00	24.5	74.7		281' 7"					
6:30	24.5	74.7		281' 11"					
7:00	24.5	74.7		282' ½"					



WELL TEST DATA SHEET

Layne-Western Company, Inc.

PROFESSIONAL SERVICES FOR WATER SYSTEMS

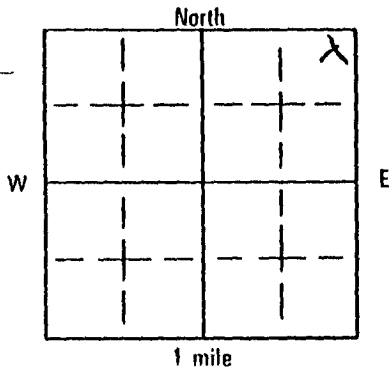
4430 Commercial Avenue • Omaha, Nebraska 68110 • Phone: 402/451-2388

Job _____ Well No. 1 Date Tested 10-2-92
Location BELVEDERE, SD Tested By MCCRACKEN
Dia. of Well 8" Driver TRASK
Depth of Well _____ Pump Used: _____ Column and Shaft: _____
Length of Airline _____ Bowls _____
Non-Pumping Level 259 Manufacturer _____
Orifice Size 4X2 Serial No. _____

Time	Piezometer Reading (in.)	G.P.M.	Air Gauge Reading (feet)	Pumping Level	Drawdown	Disch. Pressure		Total Pumping Head	Remarks
						Lbs.	Feet		
7:30	25.5	76.3		284' 4"	1' 10"				130°
8:00	25.5	76.3		284' 3"					
8:30	25.5	76.3		284' 7"					
9:00	25.5	76.3		285'					130°
9:30	25.5	76.3		285'					
10:00	25.5	76.3		285' 1"					120°
10:30	25.5	76.3		285' 4"					
11:00	25.5	76.3		285' 7"					120°
11:30	25.0	75.5		285' 9"					
12:00	25.0	75.5		285' 11"					110°
12:30	25.5	76.3		286' 2"					
13:00	25.5	76.3		286' 5"					
13:30	25.5	76.3		286' 8"					
14:00	25.5	76.3		286' 10"					
14:30	25.5	76.3		286' 11"					
15:00	25.5	76.3		287' 1"					
15:30	25.5	76.3		287' 3"					
16:00	25.5	76.3		287' 3"					120°
16:30	25.5	76.3		287' 4"					
17:00	25.5	76.3		287' 5"					
17:30	25.5	76.3		287' 7"					
18:00	25.5	76.3		287' 9"					50°
18:30	25.5	76.3		287' 10"					
19:00	25.5	76.3		288' 0"					
19:30	25.5	76.3		288' 2"					

SOUTH DAKOTA WATER WELL COMPLETION REPORT

10-85

Location NE 1/4 NE 1/4 Sec 32 Twp 25 Rg 24ECounty
JACKSONPlease mark well
location with
an "X"Well Completion Date SEPTEMBER 27, 1992

PROPOSED USE:

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

Method of Drilling:

AIR ASSISTED ROTARY

CASING DATA:

☒ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>23.57 LB/FT</u>	<u>7.625 IN</u>	<u>0 FT</u>	<u>2127 FT</u>	<u>12 1/4 IN</u>
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	<u>16 IN</u>	<u>0 FT</u>	<u>45 FT</u>	<u>20 IN</u>

250 WALL SURF CASING

GROUT:

Was the well grouted? ☒ YES ☐ NOTo what depth? 2127 FEETWhat is grouting material? CEMENT SLURRYIf cement, number of sacks? 1110Describe grouting procedure CEMENT SHOT w/ TREMIE
TO SURFACE AND Tamped in by
Halliburton Services

What was grout weight? _____ LB/GAL

SCREEN: ☐ Perforated pipe ☒ ManufacturedDiameter 3 PS IN Length 150' FEETMaterial 304 SS (WELDED ENDS)Slot Size 1020 Set From 2425 Feet To 2275 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 55 gal Hypo/50 gal H2O PLACED IN WELLBacteriological analysis ☒ YES ☐ NOLaboratory sent to SD Dept of HEALTH LAB.

Well Owner:

Name Town of Belvidere, SDAddress P.O. Box 189

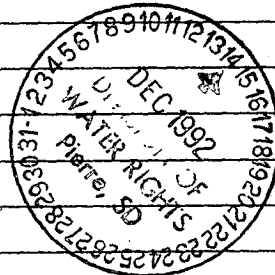
Well Log:

Depth

Formation

From

To

SEE ATTACHED LOGSTATIC WATER LEVEL 259 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

Describe: _____

☐ Other

Pumping Level Below Land Surface

279' 6" ft. After 1 Hrs. pumped 74.7 GPM285' 11" ft. After 12 Hrs. pumped 75.5 GPM289' 2" ft. After 24 Hrs. pumped 76.3 GPMREMARKS: Recovery WAS - 270' - 1 min
262' - 4 min
259' 2" - 10 minDID NOT WAIT FOR LAST 2" TO
COME BACK. STARTED Pulling Test
PumpThis well was drilled under license # 513

And this report is true and accurate.

Drilling firm LAYNE-WESTERN CO-DIV of LAYNE, Inc.

Signature of License Representative:

W. G. Grear

Signature of Well Owner:

Catherine J. IrelandDate 12/9/92



TEST HOLE REPORT

Layne-Western Company, Inc.Contract Name City of BelvidereJob No. 482943-F Date 9/20/92City Belvidere State SDDriller P Harris

TEST HOLE

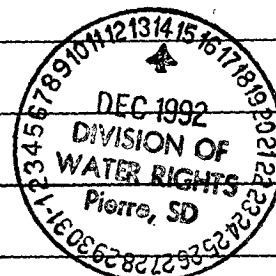
No. ---Test Hole Location NE 1/4 of NE 1/4 - Sec. 32, TWP 25, R. 24E IN TOWN'S Well Field

Distance and Direction from Permanent Landmark or Previous Test Hole

TEST LOG

FROM	TO	MARSH FUNNEL VISCOSITY SECONDS	MUD PIT LOSS INCHES	Static Water Level _____ Measured
				_____ Hours After Completion
				FORMATION
0'	30'			Clay
30'	260'			Shale
260'	265'			Limestone, shale
265'	970'			Shale
970'	990'			Limestone, shale
990'	1510'			Shale
1510'	1605'			Shale, bentonite, chalk
1605'	1840'			Shale
1840'	1895'			Limestone, sandstone
1895'	2140'			Limestone, Shale
2140'	2230'			Sandstone
2230'	2275'			Sandstone
2275'	2362'			Shale
2362'	2412'			Sandstone
2412'	2535'			Shale

DEC 1992
DIVISION OF
WATER RIGHTS
Pierre, SD

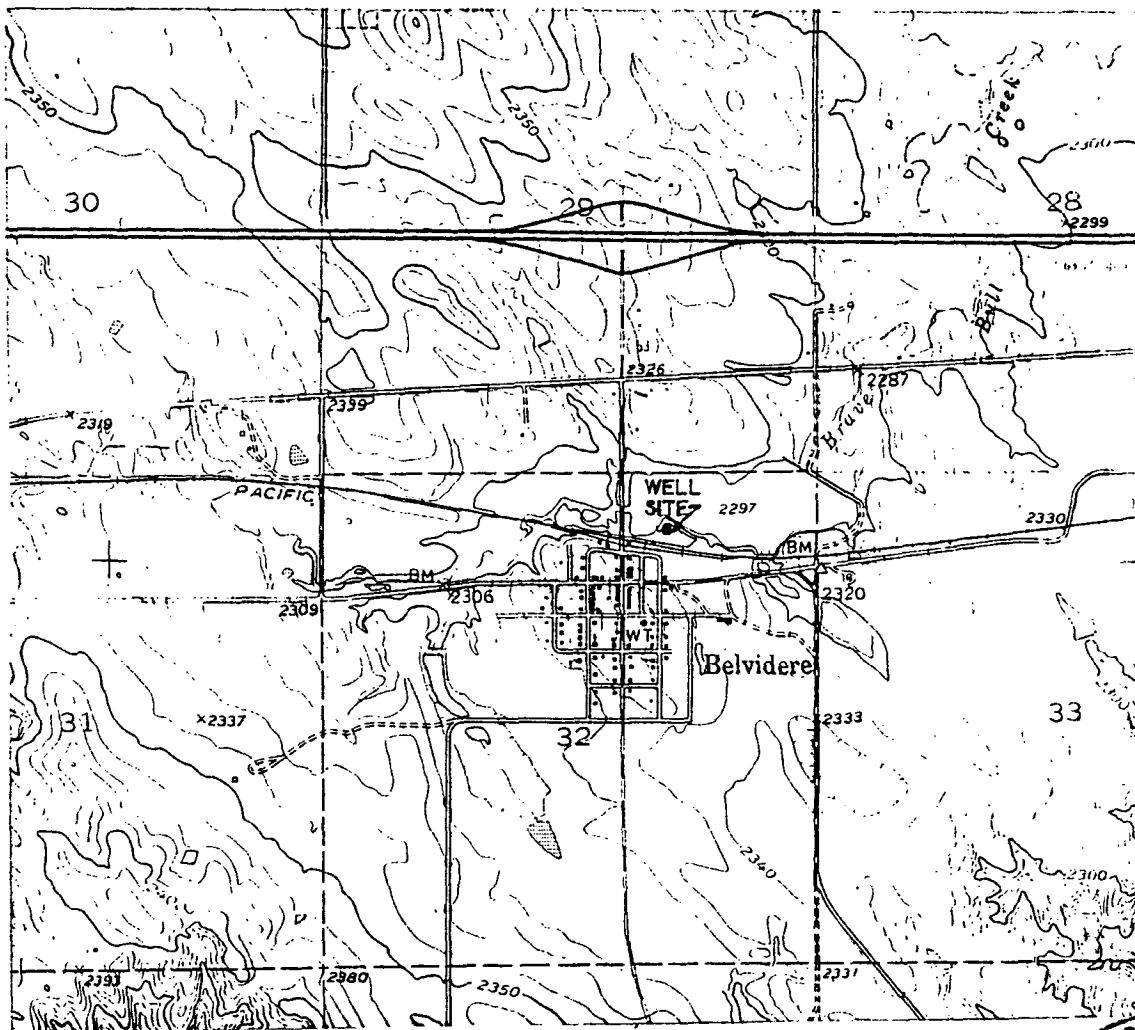


NOTES: Size of Pit _____ X _____ X _____

DEEP

Bottom of screen at 2425 ft.

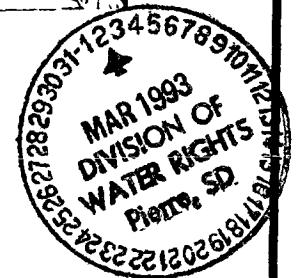
Top of screen at 2275 Ft. Top of blank above screen at 2039'9"

schmucker . paul . nohr & associates**WELL LOCATION**

(Refer to Exhibit "A" for relationship to existing well)

I, Harlan J. Quenzer, P.E., hereby certify that I have prepared the map and following description showing the location of the ground water diversion point for the Town of Belvidere. The point of diversion covered by this application for a revision to water permit 2148-2 is located 1,610 feet west and 610 feet south of the northeast corner of Section 32, Township 2 South, Range 24 East in the NW 1/4 of the NE 1/4 of Section 32, Township 2 South, Range 24 East.

Harlan J. Quenzer
Harlan J. Quenzer, P.E. SD#2726



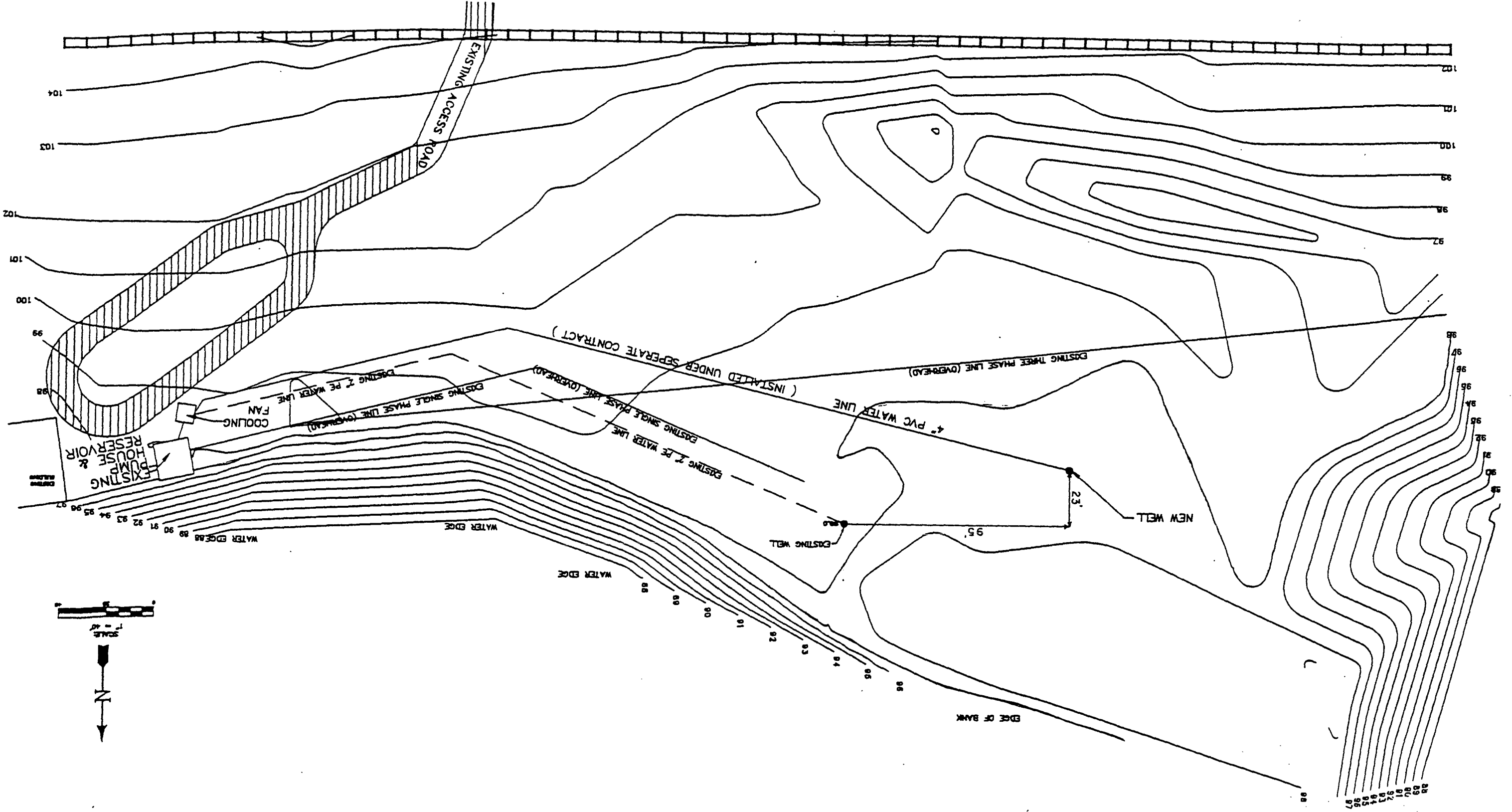
mittchell, south dakota

SPN
ASSOCIATES

WELL SITE PLAN		REVISIONS	
WATER SYSTEM IMPROVEMENTS		1 12-2-88 DRAINING OF CONSTRUCTION POND	
BELVIDERE, SOUTH DAKOTA		2 12-2-88 DRAINING OF CONSTRUCTION POND	
SPN		3 12-2-88 DRAINING OF CONSTRUCTION POND	
ASSOCIATES		4 12-2-88 DRAINING OF CONSTRUCTION POND	
2		5 12-2-88 DRAINING OF CONSTRUCTION POND	
1		6 12-2-88 DRAINING OF CONSTRUCTION POND	

EXHIBIT "A"

SCHEMUCKER & PAUL ENGINEERS PLANNERS SURVEYORS
 820 North Lowell P.O. Box 388 ZIP 57301
 PHONE 605-688-7781 FAX 605-688-0018
 MITCHELL SOUTH DAKOTA



October 27, 1992

BOX 398

MITCHELL, S. DAK. 57301

PHONE (605) 996-7761

Cathy Ireland, Finance Officer
Town of Belvidere
PO Box 189
Belvidere SD 57521

RE: Municipal Well Construction
Belvidere, South Dakota
SPN #5415



SCHMUCKER, PAUL, NOHR & ASSOCIATES

ENGINEERS
SURVEYORS

Dear Mrs. Ireland:

I am enclosing herewith for your information and files one (1) copy of the executed Memorandum of Substantial Completion. Additional final project close-out documents will be furnished as they are received and prepared at the appropriate time.

By copy of this letter I am sending one copy to Jim Hafner (FmHA), Mike Kurle (WRWDD), Eric Gronlund (Water Rights Division, DENR), and Garland Erbele (Office of Drinking Water, DENR).

Sincerely,

SCHMUCKER, PAUL, NOHR & ASSOCIATES

Harlan J. Quenzer, P.E.

HJQ:rf

Enclosure

cc: Jim Hafner w/enc
Mike Kurle w/enc
Eric Gronlund w/enc
Garland Erbele w/enc

MEMORANDUM OF SUBSTANTIAL COMPLETION



This memorandum between TOWN OF BELVIDERE,
(hereinafter called Owner), and LAYNE-WESTERN COMPANY INC,
of OMAHA, NEBRASKA (hereinafter called Contractor).

WITNESSETH

Whereas, Section 1.22 of the Contract General Conditions defines Substantial Completion as follows: "The date as certified by the Engineer when the construction of the project or a specified part thereof is sufficiently completed in accordance with the contract documents so that the project or specified part can be utilized for the purposes for which it is intended," and as modified by Other Supplemental Conditions, and

Whereas Section 29.1 of the Contract General Conditions specified as follows: "The Contractors shall guarantee all materials and equipment furnished and WORK performed for a period of one year from the date of Substantial Completion,"

Now, therefore, it is herein recognized that the following sections of work or portions of the contracted work are herein recognized as being substantially completed on the date indicated and further recognized that the one-year guarantee period shall commence at the date indicated. The recognized portions are listed as follows:

<u>Item</u>	<u>Date</u>
Bid Items 1-21 Bid Schedule "A"	10-14-92

Recommended by:

Harlan J. Queney PE
SCHMUCKER, PAUL, NOHR & ASSOCIATES
(Engineer)

October 15, 1992
(Date)

Approved by:

Howard L. Lebon
TOWN OF BELVIDERE
(Owner)

Oct 22-1992
(Date)

Acknowledged by:

W. Q. Green
LAYNE-WESTERN COMPANY INC
(Contractor)

10/29/92
(Date)

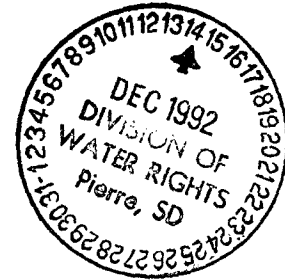
December 8, 1992

BOX 398

MITCHELL, S. DAK. 57301

PHONE (605) 996-7761

James A Goodman, Natural Resources Engineer
Water Rights Division
Dept of Natural Resources
Joe Foss Building
Pierre SD 57501-3181



RE: Municipal Well Construction
Belvidere, South Dakota
SPN #5415
Water Permit 32418-2

SCHMUCKER, PAUL, NOHR & ASSOCIATES

ENGINEERS
SURVEYORS

Dear Mr. Goodman:

This letter is being written on behalf of the Town of Belvidere relative to the water permit (#2148-2) for its Municipal Well.

The Town of Belvidere completed construction of a new well on October 14, 1992 to replace the existing well which had failed totally. I am enclosing herewith for your files the completion report for the new well including the drillers log, the SDGS electric logging, the test pumping data and the "as-constructed" plans for the project.

A General Pump Manufacturing Inc Pump Model G70-26 with a 10 Hp Franklin high temperature motor was installed in the well. The pump and motor were selected from commercially available models. The pump has an actual capacity of 75 GPM at 340 feet of total dynamic head. The capacity of the pump is slightly higher than the permitted withdrawal rate of 0.09 CFS.

However, it is expected that the annual withdrawal from the aquifer by the community will not exceed 8.0 acre-ft. The new well is located 100 feet south west of the existing well. Refer to well site plan - Plan Sheet 2 of 4.

The existing well was abandoned and plugged on December 3, 1992. A copy of the plugging report is enclosed.

James A Goodman
December 8, 1992
Page 2

If you have any questions or need additional information please call me. If an application is required for a modification of the permit, please advise.

Sincerely,

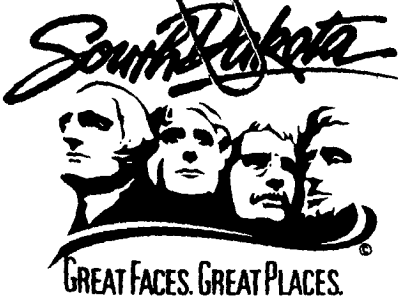
SCHMUCKER, PAUL, NOHR & ASSOCIATES


Harlan J. Quenzer, P.E.

HJQ:ms

Enclosure

cc: Town of Belvidere



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

December 22, 1992

Harlan Quenzer
Schmucker, Paul, Nohr & Associates
Box 398
Mitchell, SD 57301

Dear Mr. Quenzer:

I am writing in response to your letter to Jim Goodman regarding the new well constructed by the Town of Belvidere. Your letter indicates the new well is capable of diverting 75 gallons per minute (gpm). Currently Water Permit No. 2148-2 appropriates 40 gpm from the well which failed and was subsequently replaced by the new well.

The Town of Belvidere will need to obtain a new water permit for any withdrawal rate greater than permitted by No. 2148-2. If the Town plans to utilize the maximum diversion capacity of the well during peak period, a new water permit for the 35 gpm must be obtained to comply with state law. I have enclosed a copy of the water permit application forms.

If you have any questions, please do not hesitate to give me a call.

Sincerely,

Eric Gronlund
Eric Gronlund
Water Rights Division
605 773-3352

enclosure

cc: Bob Means, Water Superintendent, Town of Belvidere, PO 189,
Belvidere, SD 57521

December 29, 1992

Mr. Eric Gronlund, Water Rights Specialist
SDDENR, Division of Water Rights
Joe Foss Building
Pierre SD 57501-3181



RE: Municipal Well Construction
Belvidere, South Dakota
SPN #5415

Dear Mr. Gronlund:

Enclosed please find two (2) copies of Belvidere's application for a new water permit and the fifty dollars application fee. As you are aware our new well is capable of producing approximately 35 gallons of water per minute more than our old well could produce. The increase in production capacity is due to the fact that the new pump is more efficient and the new well is designed and constructed differently than the old well.

It should be noted that there is an apparent error on the existing well permit, number 2148-2. The well location is listed as being in the NE 1/4 of the NE 1/4 of Section 32, T S2, R 24 E. When preparing the map for the new location, the old well was found to be in the NW 1/4 of the NE 1/4 of Section 32, R 2S, R 24 E. It is near the "line" that divides the NW 1/4 and the NE 1/4. It should be noted that the new well is less than 100 feet from the old well and both are within 660 feet of the permitted description.

I believe the enclosed information meets the permit application requirements, as indicated in your letter of December 22, 1992, to our consultant, Harlan Quenzer. If you need additional technical information, please contact Mr. Quenzer.

Thank you for your assistance with this application. Please feel free to contact me if you have any other questions or comments.

Sincerely,

Crystal Paulson

Crystal Paulson, Town President

CP:ms

Enclosures

WATER PERMIT APPLICATION NO. 2263-2
TOWN OF BELVIDERE
APRIL 19, 1993

Water Permit Application No. 2263-2 proposes to appropriate 0.08 cubic feet of water per second (cfs) by increasing the diversion rate authorized by Water Permit No. 2148-2. Water Permit No. 2148-2 appropriates 0.09 cfs from one well (Dakota Formation) 2420 feet deep located in the NE 1/4 NE 1/4 Sec. 32, T2S-R24E. This application increases the water appropriation from a replacement well, for the well authorized by Water Permit No. 2148-2, from 0.09 cfs to 0.17 cfs. The replacement well is 2535 feet deep and located in the NW 1/4 NE 1/4 Sec.32, T2S-R24E. The water is for municipal use.

AQUIFER: Inyan Kara (INKR)

The well used to supply water for this application was drilled as a replacement well for the well authorized by Permit No. 2148-2. The log provided with this application indicates this well can be considered supplied from the same source as the old well (Permit No. 2148-2). However, the information submitted with the application for Permit No. 2148-2 was not sufficient to determine the formation the well was completed into. The depth of the old well suggested that it was completed into the Dakota Formation (Goodman, 1990). However, with the geologic information obtained from the new well, it is probable that the old well was completed into the Dakota Formation and the Inyan Kara Aquifer. The new well appears to be completed into the Inyan Kara Aquifer only.

The Inyan Kara aquifer consist of sandstone, siltstone, claystone, and shale of the Fall River and Lakota Formations. The log provided with this application indicates the Inyan Kara is present from 2362 to 2412 feet below grade at this well site. The Inyan Kara underlies most of western South Dakota and contains an estimated 324,169,440 acre-feet of recoverable water in storage in western South Dakota (Allen, 1984). The aquifer is confined by the Skull Creek Shale. The well completion report filed with this application indicates this well was constructed in accordance with the South Dakota Well Construction Standards.

The Division of Water Rights does not monitor any observation wells in this area completed into the Inyan Kara aquifer.

REVIEW OF EXISTING WATER RIGHTS:

The high cost associated with the depth of Inyan Kara wells in this area, has limited the number of domestic wells completed into the Inyan Kara in the area, but a few are present. There are no other existing water permits/rights in this area for water out of the Inyan Kara aquifer. The nearest permit is over 10 miles to the west. Well interference is not expected to be a concern.

CONCLUSIONS:

1. Water is available from the Inyan Kara Aquifer.
2. This well is completed in accordance with SD Well Construction Standard 74:02:04:28.
3. Interference with existing water rights is not expected to be a concern.



Kent Buhler
Natural Resources Engineer

REFERENCES:

Allen, J.C., D.Iles, A.Petres, 1984, Analysis of Groundwater and Streamflow Data Western Dakotas Region of South Dakota, for US Army Corps of Engineers, SD DENR, SDGS, Vermillion, SD, 57069

RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 2263-2, Town of Belvidere

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. 2263-2, Town of Belvidere, c/o Crystal Paulson, Town President, PO Box 189, Belvidere, SD 57521-0189.

The Chief Engineer is recommending APPROVAL of Application No. 2263-2 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 qualification:

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 Eric Hatch
JOHN HATCH, Chief Engineer
April 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 NEWSPAPER RIGHT AWAY.

April 29, 1993

Crystal Paulson
Town President
Town of Belvidere
PO Box 189
Belvidere, SD 57521-0189

Dear Ms. Paulson:

Water Permit Application No. 2263-2 for municipal 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 Publisher of the Kadoka Press printed at Kadoka, SD (Ph # 837-2259). 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 newspaper to authorize publication of your Notice of Hearing and to arrange for payment. Early contact with the paper can eliminate delays. The publisher has 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 newspaper has 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.

cc: Cathy Ireland, FO, Town of Belvidere, PO Box 189, Belvidere, SD 57521-0189
Jay Larson, Schmucker, Paul, Nohr & Associates, Box 398, Mitchell, SD 57301



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

April 29, 1993

Kadoka Press
Box 309
Kadoka, SD 57543

ATTENTION: Legal Department

Enclosed is a Notice of Hearing on Application No. 2263-2 to be published twice. Please publish the first notice on May 6, 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 Town of Belvidere, PO Box 189, Belvidere, SD 57521-0189 (Ph # 334-2212).

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
Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures

FIRST TRANSMITTAL NOTICE

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

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

Instruction to Newspaper - Publish first Notice on May 6, 1993, with the second publication 7 days later. The applicant is responsible for payment.

NOTICE OF HEARING on Application No. 2263-2 to Appropriate Water
and Amend Water Permit No. 2148-2

Notice is given that the Town of Belvidere, PO Box 189, Belvidere, SD 57521-0189 has filed an application for a water permit to appropriate 0.08 cubic feet of water per second (cfs) by increasing the diversion rate authorized by Water Permit No. 2148-2. Water Permit No. 2148-2 appropriates 0.09 cfs from one well 2420 feet deep located in the NE 1/4 NE 1/4 Section 32-T2S-R24E. This application increases the water appropriation from a replacement well, for the well authorized by Water Permit No. 2148-2, from 0.09 cfs to 0.17 cfs. The replacement well (Inyan Kara Formation) 2535 feet deep is located in the NW 1/4 NE 1/4 Section 32-T2S-R24E. The water is used for municipal purposes.

This application also serves to specify the water source authorized by Water Permit No. 2148-2. Water Permit No. 2148-2 was advertised March 27 and April 4, 1991 in the Kadoka Press as being constructed into the Dakota Formation. Further documentation received with Application No. 2263-2 indicates the water source to be the Inyan Kara Formation.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 2263-2 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. Unless a petition is filed opposing the application or the applicant files a petition contesting the chief engineer's recommendation, the Water Management Board will NOT CONDUCT a HEARING to consider this application and the chief engineer will issue the permit as recommended. Petitions filed in support of the application will NOT require the Board to hear the application.

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 May 24, 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.

For purposes of publishing 1) the notice of hearing on Application No. 2263-2 and 2) the chief engineer's recommendation, a meeting at the Division of Water Rights office to hear this application is scheduled for June 2, 1993, at 9:00 am in Room 413, Joe Foss Building, 523 E Capitol, Pierre SD. If this application is opposed or the recommendation is contested, the June 2, 1993, hearing date will be rescheduled for a regularly scheduled Board meeting. Notice of the time and place of the rescheduled hearing before the Board will be given by First Class Mail to the applicant and persons filing petitions. Anyone not filing a petition, but interested in attending the hearing, may contact the Division of Water Rights to confirm a hearing date and location. The June 2, 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 May 24, 1993.

If a hearing is held, 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. Any hearing will be an adversary proceeding. Any person filing a petition and/or the applicant have the right to be represented by a lawyer and may present evidence or cross-examine witnesses according to SDCL 1-26. These and other due process rights will be forfeited if not exercised. Decisions of the Board may be appealed to the Circuit Court and State Supreme Court as provided by law. Contact Eric Gronlund by May 24, 1993, at the above Water Rights Division address to request copies of information pertaining to this application, to assure access to the hearing by the handicapped or to obtain an interpreter for the hearing impaired.

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.

PUBLISHER'S AFFIDAVIT OF PUBLICATION

STATE OF SOUTH DAKOTA

)SS

COUNTY OF JACKSON



Ronda K. Dennis

of said County and State, be-

ing duly sworn, on oath says: THE KADOKA PRESS is a weekly newspaper of general circulation, printed and published in KADOKA, in said County and State and has been such newspaper during the times hereinafter mentioned; that the said KADOKA PRESS is a legal newspaper and has been in existence for more than one year immediately preceding the first publication herein mentioned; and has more than 200 bona fide subscribers; that I, the undersigned, am Legal Adv. Manager of said newspaper, and in charge of the advertising department thereof, and have personal knowledge of all facts stated in this affidavit; and that the advertisement headed Notice of Hearing a printed copy of which is here- to attached, was printed and published in said newspaper for two succes- sive issues, the first publication being on the 6th day of May, 19 93 and the last publication on the 13th day of May, 19 93; that \$ 71.76 being the full amount of the fee for publication of the annexed notice insures solely to the benefit of the publishers said newspaper; that no arrangement or understanding for a division thereof has been made with any person that no part thereof has been agreed to be paid to any other person whom- soever.

Ronda K. Dennis

Subscribed and sworn to before me this 27th day of May,

19 93

[Signature]

Notary Public, Jackson County

My Commission Expires

September 30, 1994

NOTICE

NOTICE OF HEARING
On Application No. 2263-2
to Appropriate Water and
Amend Water Permit
No. 2148-2

Notice is given that the Town of Belvidere, PO Box 189, Belvidere, SD 57521-0189 has filed an application for a water permit to appropriate 0.08 cubic feet of water per second (cfs) by increasing the diversion rate authorized by Water Permit No. 2148-2. Water Permit No. 2148-2 appropriates 0.09 cfs from one well 2,420 feet deep located in the NE 1/4 NE 1/4, Section 32-T2S-R24E. This application increases the water appropriation from a replacement well, for the well authorized by Water Permit No. 2148-2, from 0.09 cfs to 0.17 cfs. The replacement well (Inyan Kara Formation) 2,535 feet deep is located in the NW 1/4 NE 1/4, Section 32-T2S-R24E. The water is used for municipal purposes.

This application also serves to specify the water source authorized by Water Permit No. 2148-2. Water Permit No. 2148-2 was advertised March 27 and April 4, 1991 in the Kadoka Press as being constructed into the Dakota Formation. Further documentation received with Application No. 2263-2 indicates the water source to be the Inyan Kara Formation.

Pursuant to SDCL 46-2A-2, the chief engineer recommends APPROVAL of Application No. 2263-2 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. Unless a petition is filed opposing the application or the applicant files a petition contesting the chief engineer's recommendation, the Water Management Board will NOT CONDUCT a HEARING to consider this application and the chief engineer will issue the permit as recommended. Petitions filed in support of the application will NOT require the Board to hear the application.

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 May 24, 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.

over

For purpose of publishing 1) the

notice of hearing on Application No. 2283-2 and 2) the chief engineer's

recommendation, a meeting at the Division of Water Rights office to hear

this application is scheduled for June 2, 1993, at 9:00 a.m. in Room 413, Joe

Foss Building, 523 E. Capitol, Pierre, SD. If this application is opposed or

the recommendation is contested, the June 2, 1993 hearing date will be re-

scheduled for a regularly scheduled Board meeting. Notice of the time and

place of the rescheduled hearing be-

fore the Board will be given by First Class Mail to the applicant and per-

sons filing petitions. Anyone not fil-

ling a petition, but interested in at-

tending the hearing, may contact the Division of Water Rights to confirm a

hearing date and location. The June 2, 1993 hearing date will be automati-

cally delayed for at least 20 days upon written request to the chief en-

gineer from the applicant or any inter-

ested person opposing the applica-

tion. The request for an automatic

delay must be filed by May 24, 1993.

If a hearing is held, the chief engi-

neer'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.

Any hearing will be an adversary pro-

ceeding. Any person filing a petition

and/or the applicant have the right to

be represented by a lawyer and may

present evidence or cross-examine

witnesses according to SDCL 1-26.

These and other due process rights

will be forfeited if not exercised. Deci-

sions of the Board may be appealed

to the Circuit Court and State Su-

preme Court as provided by law. Con-

tact Eric Grotlund by May 24, 1993,

at the above Water Rights Division

address to request copies of informa-

tion pertaining to this application, to

assure access to the hearing by the

handicapped or to obtain an interpret-

or for the hearing impaired.

This application is made pursuant

to SDCL 46-1-1 through 46-1-10, 46-1-

12 through 46-1-16; 46-2-1 through

46-2-11, 46-2-13, 46-2-17; 46-2A-1

through 46-2A-10, 46-2A-12, 46-2A-14,

46-2A-15, 46-2A-20, 46-2A-21; 46-5-1

through 46-5-11, 46-5-13 through 46-

5-15, 46-5-24, 46-5-25, 46-5-30.2, 46-5-

30.4, 46-5-31; 46-6-3 through 46-6-

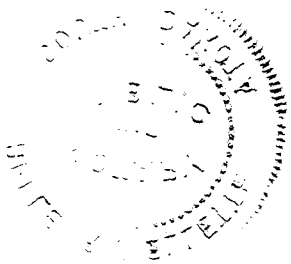
6.1, 46-6-10, 46-6-13, 46-6-14, 46-6-26;

and Board Rules ARSD 44:02:01:01

through 74:02:01:15.

Robert E. Roberts, Secretary
Department of Environment
and Natural Resources

PUBLISHED: May 6 & 13, 1993





**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

SEP 17 1993

Crystal Paulson
Town President
Town of Belvidere
PO Box 189
Belvidere, SD 57521-0189

Dear Ms. Paulson:

Enclosed is Water Permit No. 2263-2 authorizing construction of your water diversion system and beneficial use of the water, not exceeding the limits as specified in the Water Permit.

We will schedule an inspection so that the Water License may be issued to you, thus completing your acquisition of a Water Right.

Very truly yours,

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

enclosures



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

November 14, 1995

Permit No. 2263-2

Richard Moose, Finance Officer
Town of Belvidere
P.O. Box 189
Belvidere, SD 57521-0189

Dear Mr. Moose:

The inspection of your water use system and the inspection of the extent of application of water to beneficial use, as developed under Water Permit Nos. 2148-2 and 2263-2, has been completed. Your final water right document, the Water License, can now be issued. Upon licensing, the applicable portions of Water Permit No. 2148-2 will be incorporated into 2263-2.

Statutes require that we charge a \$50.00 fee for the inspection and issuance of the Water License. Upon receipt of the \$50.00 fee from you, we will begin processing your Water License.

Please remit fee to:
Department of Environment & Natural Resources
Water Rights Program
523 E. Capitol
Pierre, SD 57501-3181

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

Sincerely,

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

NOTE: On check or money order, please specify your permit number. This will insure proper handling of the fee.

RECEIPT

414752

Division of Water Rights

South Dakota Department of Environment and Natural Resources

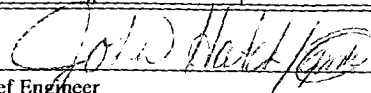
Pierre, _____ January 11, 19 96

RECEIVED OF Town of Belvidere, PO Box 100, Belvidere, SD 57521

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

Fee for Application for Permit No. _____ to Appropriate Water, to construct and to put water to beneficial use _____		
Fee for Application for Permit No. _____ to Appropriate Water, for Future Use _____		
Fee to retain Future Use Permit No. _____ after period of seven years.		
Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water License No. <u>2263-2</u>	50	00
Fee for Filing Transfer Form _____		
Fee for Filing Extension Request _____		
Fee for _____		

(Any Other Work Provided by Law)	Total	50 00

By 
Chief Engineer

Permit No. 2148-2 & 2263-2

Bad 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, October 12, 1995, made a thorough examination of the water use system constructed by Town of Belvidere of P.O.Box 189, Belvidere holder of Permit No. 2148-2 & 2263-2, bearing the priority of December 4, 1990 and March 2, 1993 authorizing the diversion of 0.17 (75 gpm) cu. ft. per second of the waters of Groundwater for Municipal use purposes, in Jackson County.

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

A. Works used to divert the water:

At pumphouse—Flint & Welling electric Centrifugal pump, Model #C22251
At well— General Pump Manufacturing Inc. 2 inch submersible pump with
10 Hp Franklin electric motor, 75 gpm capacity

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

Approximately 400 ft. of 4 inch PVC pipe from well to pumphouse

C. Works used to apply water to beneficial use:

Existing water distribution system with 2500 gal. Storage tank at pumphouse and 60,000 gal. watertower

The system is in the following condition Good. The point of diversion is located 1610 ft. West & 610 ft. South of the NE corner of Sec. 32-T2S-R24E. The works are capable of diverting and conveying to the place of use 0.17 (75 gpm) cu. ft. per second of water which is to be used for Municipal use. Water has been put to beneficial use to the maximum extent as follows:

Existing water distribution system with 2500 gal. Storage tank at pumphouse and 60,000 gal. Watertower

and the license should be issued for 0.17 (75 gpm) cfs.

Applicable permit qualifications have been complied with: Yes X

Exceptions to compliance are: none Date Report Completed: October 26, 1995



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

- | | | |
|-------------|--|--|
| 1) Make | <u>Flint & Welling Centrifugal</u> | <u>General Pump Manufacturing Inc.</u> |
| 2) Model | <u>C22251</u> | <u>G70-26</u> |
| 3) Size | <u>12 inch</u> | <u>2 inch</u> |
| 4) Capacity | <u>75 gpm</u> | <u>75 gpm</u> |

At Well

Franklin

10 hp

DISTRIBUTION LINES OR CANALS:

1) Type PVC 2) Size 4 inches 3) Length 400 feet

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**

Belvidere

20.7
12.1
NW 4A
NEL

2-24
94-R

Timothy
October

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 2263-2

(1) Town of Belvidere, PO Box 189, Belvidere SD 57521-0189 made Application No. 2263-2, March 2, 1993 for a water permit to divert 0.08 cubic feet of water per second (cfs) from groundwater (one well), Jackson County, South Dakota for municipal use purposes. Permit No. 2263-2, with a priority date of March 2, 1993 was approved June 2, 1993 and issued to the applicant for diversion of water with construction of the described water supply system completed and the application to beneficial use of said water completed.

Water Permit No. 2263-2 increased the water appropriation from a replacement well, for the well authorized by Water Permit No. 2148-2. The applicable portions of Water Permit No. 2148-2 have been incorporated into this Water License No. 2263-2. A priority date of December 4, 1990 (established under No. 2148-2) is retained for 0.09 cfs. A priority date of March 2, 1993 (established under No. 2263-2) is retained for the additional 0.08 cfs.

(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 0.17 cubic feet of water per second for beneficial use. The location of the diversion point is 1,610 feet west and 610 feet south of the northeast corner of Section 32-T2S-R24E (NW 1/4 NE 1/4).

(3) The applicant has complied with the provisions of South Dakota State Law relating to the application of water to beneficial use.

(4) Pursuant to South Dakota Water Law 46-5-30.1 the Town of Belvidere, PO Box 189, Belvidere SD 57521-0189 the holder and/or owner of Incorporated Water Permit No. 2263-2 is issued a license to appropriate water, the right to use 0.17 cubic feet of water per second from groundwater (one well) with priority dates of December 4, 1990 (0.09 cfs) and March 2, 1993 (0.08 cfs) from the location specified in (2) of this license, for the purpose of municipal use. This license is subject to any limitations or qualifications listed in Incorporated Water Permit No. 2263-2 and subject to South Dakota State Law.



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

JUL 2 1996

date





**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

JUL 2 1996

2263-2

Richard Moose, Finance Officer
Town of Belvidere
P.O. Box 189
Belvidere, SD 5752-0189

Dear Mr. Moose:

Enclosed is Water License No. 2263-2. This is the final water right document completing your process of obtaining a Water Right. Enclosed is Receipt No. 414752 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. 2263-2, 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 No. 2148-2 have been incorporated into this Water License No. 2263-2.