

Considered: _____

WATER PERMIT NO. 1371-1

MAP No. same

Name of Applicant Vic Weyrich

Post Office Address 210 East Lincoln, Spearfish, SD 57783

Amount of Water Claimed .10 cfs Total Acres NA

Source of Water Supply ground water

Water to be used for Suburban Housing Dev. County Lawrence

About 2 miles NW of Whitewood.

PROOF OF PUBLICATION: Received _____ Not Received _____

APPLICATION: Approved 12/10/86 Subject to _____

F.F. & C.L. Adopted _____ Not Approved _____ Deferred _____

PRIORITY _____ Date Received Oct 30, 1986 Fee \$50.00 Remarks _____

10/30/86

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

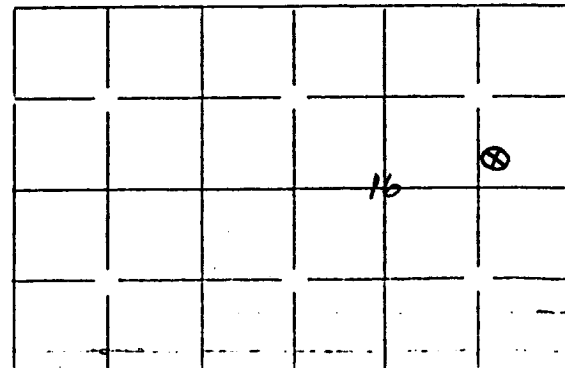
WATER QUALITY APPROVAL RECEIVED NA APPROVED/CONDITIONAL (Circle one)

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

Diversion Point well: SE 1/4 NE 1/4 section 16 -

T6N-R4E

Land to be Irrigated NA



Well Log: Driller Joe Graf Licensed YES ☒ NO _____

Depth of Well 1446 Feet REMARKS _____

Type of Map sketch PREPARED BY Meric D Giegear Reviewed and the Number assigned on October 30, 1986 By Ron Duvall

No. 1371-1 Hydrologic Unit 10120202
 Map No. same Basin Belle Fourche R
 Newspaper Queen City Mail, Box 152, Spearfish
(Wed)

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 ☐

Type of Application: Check one or more of the following

New ☒ Vested Right ☐ Future Use ☐ Change Use ☐

☐ Amend Permit No. _____ with old priority date retained

Change 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 Vic Weyrich Phone No. 642-8153

Post Office Address 210 East Lincoln, Spearfish, South Dakota State 57783
(Street, RR or Box) Zip Code

2. Amount of water claimed (c.f.s.) 0.1 c.f.s.

3. Source of water supply Well

4. Location of point of diversion from the East $\frac{1}{4}$ Corner of Section 16, T6N, R4E, BHM, the
well lies N 69 36' 03"W a distance of 1,257.77 feet

_____ County Lawrence

5. Counties where water will be used Lawrence

6. Annual period during which water is to be used Year round January 1 - December 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)

Well is to be used in conjunction with a reservoir to service a subdivision containing approximately 8 domestic users.

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 HUGHES ss

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

Signed Vic Weyrich
30th day of October 1984
Karen Schlaak
 Notary Public (or other qualified officer)



WATER PERMIT

The Water Management Board hereby approves Water Permit Application No. 1371-1

Vic Weyrich 210 E Lincoln, Spearfish
 (Applicant) (Post Office Address)
SD 57783 With the following qualifications.
 (State) (Zip Code)

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.

Date of first receipt of application October 30, 1986.

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

Date of receipt of corrected application _____, 19____. Approved December 10, 1986.

The Water Management Board hereby approves this Water Permit No. 1371-1 authorizing the construction of the water use system and the placing of water to beneficial use as stated in the Application and as qualified in the Water Permit approval, subject, however, to the following limitations and conditions:

1. The date from which applicant may claim right is October 30, 1986.
2. The equivalent of at least one-fifth of the specified work is to be completed on or before May 10, 1989.
3. The whole of said work is to be completed on or before December 10, 1991.
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is December 10, 1995.
5. The water appropriated shall be used for the purpose of supplying a suburban housing development.
6. The prior right of all persons who, by compliance with the laws of the State of South Dakota, have acquired a right to the use of water must not be unlawfully impaired by this appropriation.
7. The amount of the appropriation herein granted shall not exceed 0.10 cubic feet per second; neither shall it exceed the capacity of the above described water supply system nor shall it exceed the amount of water needed for beneficial uses served and to which water is actually and beneficially applied for suburban housing development on or before December 10, 1995; said water to be used during the following described annual period: Jan 1 - Dec 31.

WATER MANAGEMENT BOARD
 By: John H. Bates
 Chief Engineer
 Division of Water Rights
 Dept. of Water and Natural Resources
FEB 17 1987

_____, 19____

Supplemental Information

(type or print in ink)

1. Well Information - Proposed construction

- a) Drill Hole Diameter 7 7/8" Depth 1,446 feet
- b) Casing Type Steel Diameter 5 1/2" Thickness XXXXXX 15.5#/ft. weight
- c) Screen Type _____ Diameter _____ Thickness _____
- d) Gravel Pack Thickness _____ Length of Gravel Pack _____
Pressure grout down 936 feet Packing
- e) Depth to Top of Water Bearing Material See Log
- f) Depth of Water (ground surface to water level) See Log
- g) Distance to nearest existing domestic well:
On applicants property _____ On property owned by others 3,500 feet to permitted well in section 16

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) Outlet Dimensions:
Pipe diameter _____

Spillway width _____

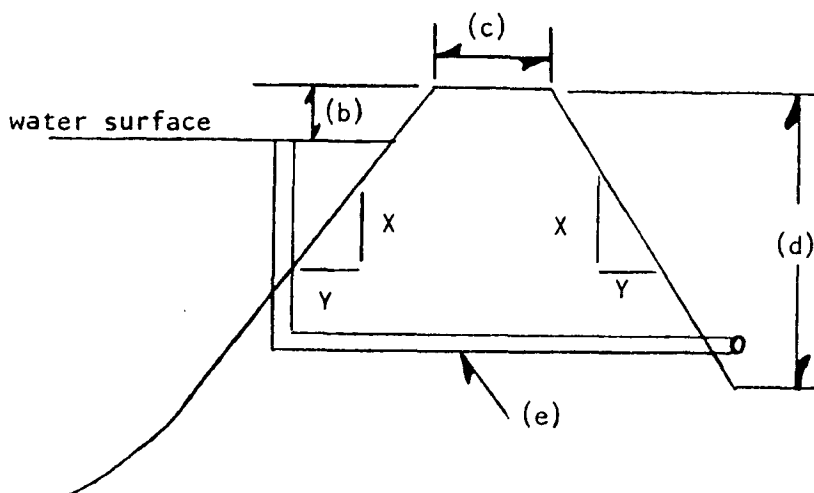
f) X & Y Slope
Upstream _____

Downstream _____

Surface Area of Impoundment _____

Storage _____ acre feet

Drainage area above dam _____



Jim Weyrich
Signature of Applicant



Scale 1"=600'

Section 16
T6N, R4E B.H.M.
Lawrence Co, SD

SE 1/4 NE 1/4

Well Sec 16

1257.77'
N 69° 36' 03" W

Sec Cor

E 1/4 Cor.
Sec 16

Min. & Survey
R.S. #1007
Sturgis, SD
527235

Sec
Cor

App. No. 1371-1

RECEIPT

Division of Water Rights

South Dakota Department of Water and Natural Resources

410603

Pierre, October 30, 1986

RECEIVED OF Vic or Rose Weyrich, 210 E. Lincoln, Spearfish, SD 57783

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 _____	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 Certified Copy of _____		
Fee for Print Copy of Map _____		
Fee for Certifying _____		
Fee for _____		
(Any Other Work Provided by Law)	Total	50 00

By

John Hatch

Chief Engineer

JOHN HATCH

ms

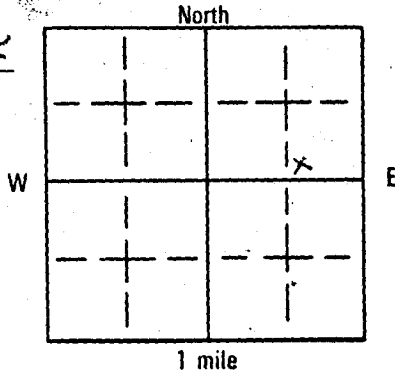
SOUTH DAKOTA WATER WELL COMPLETION REPORT

1371-1

10-85

Location SE 1/4 NE 1/4 Sec 16 Twp 6 Rg 4County Lawrence

Please mark well location with an "X"



Well Completion Date _____

PROPOSED USE:

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

Method of Drilling:

ROTARY

CASING DATA:

☒ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>15.50</u> LB/FT	<u>5 1/2</u> IN	<u>0</u> FT	<u>936</u> FT	<u>7 1/2</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? 936 FEETWhat is grouting material? CEMENTIf cement, number of sacks? 160Describe grouting procedure PRESSURE GROUTWhat was grout weight? No weight scale LB/GALSCREEN: ☐ Perforated pipe ☐ Manufactured

Diameter _____ IN Length _____ FEET

Material _____

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Other information _____

Was a packer or seal used? ☐ YES ☐ NOIf so, what material? Pressure grout

Describe packer(s) and location? _____

Was well disinfected upon completion? ☒ YES ☐ NO

Explain _____

Bacteriological analysis ☐ YES ☐ NO

Laboratory sent to _____

Well Owner:

Name VIC. WeylichAddress White Wood SD.

Well Log:

Depth

Formation	From	To
GRAY-YELLOW CLAY	0	23
GRAVEL	23	31
GRAY-BLUE-BROWN CLAY	31	85
REDISH BROWN CLAY, GYP	85	500
LIME STONE (MINNICKOTA)	500	542
RED SANDY CLAY (C. PEACE)	542	650
GRAY CLAY	650	655
LIME STONE (COP ROCK)	655	663
YELLOW SAND-WHITE LIME-	663	840
RED CLAY-LIME STONE (11 AND	840	860
RED SAND & CLAY-GRAY LIME	860	1055
GRAY LIME, RED-PURPL CLAY	1055	1135
PINK SAND-RED CLAY	1135	1185
BELOW IN REMARKS		

STATIC WATER LEVEL 15 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

125 ft. After 2 Hrs. pumped 35.5 GPM

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

REMARKS:

CREAM-YELLOW LIMESTONE 1185-1200
RED CLAY LAYERS
YELLOW LIMESTONE-PURPLE 1300-1446
CLAY-CREAM LIME
Logged By U.S.G.-2.
RAPID CITY 1446

This well was drilled under license # 327

And this report is true and accurate.

Drilling firm Grat Drilling

Signature of License Representative:

Signature of Well Owner:

Date 8-28-86

RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 1371-1

Pursuant to SDCL 46-2A-2, the following is the recommendation of the Chief Engineer, Water Rights Division, Department of Water and Natural Resources concerning Water Permit Application No. 1371-1, Vic Weyrich, 210 East Lincoln, Spearfish SD.

The Chief Engineer is recommending APPROVAL of Application No. 1371-1 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:

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 the attached report for additional information.



JOHN HATCH, Chief Engineer
November 3, 1986

Report on Application No. 1371-1
Vic Weyrich
October 31, 1986

Application No. 1371-1 proposes to appropriate 0.10 cubic feet of water per second from one well 1446 feet deep located in the SE 1/4 NE 1/4 Section 16 T6N-R4E. The water is to be used for Suburban Housing Development.

Aquifer: Minnelusa Formation and Madison Limestone

Geology and Aquifer Characteristics

The drillers log which accompanies this application indicates the well, which was constructed according to the State Minimum Well Construction Standards, is completed into the lower Minnelusa formation and the upper Madison (Pahasapa) Limestone.

The Minnelusa formation is an assemblage of alternating beds of sandstone and dolomitic limestone with lesser amounts of red and black shale and chert. Because the lithology of the Minnelusa is so variable, the porosity of the formation is also variable and difficult to determine. Well sorted sand lenses have porosities approaching 25%, but generally the sands have porosities of 10%. The average porosity of the Minnelusa is estimated to be 10%. The average porosity of the Minnelusa is estimated to be 10% and the effective porosity is assumed to be 5% (Rahn, 1979). The Minnelusa formation underlies approximately 199,680 acres of Lawrence County and contains an estimated 5,591,040 acre-feet of recoverable water in storage (Allen, 1984). There is no aquifer-test data available for the Minnelusa Aquifer in the Whitewood area; therefore, the aquifer transmissivity and storage coefficient are unknown. Estimates from regional studies of the aquifer indicate the aquifer transmissivity may range from 700 to 1000 ft²/d, and the storage coefficient ranges from 2×10^{-4} to 3×10^{-4} (Peter, 1985). The Minnelusa aquifer is under artesian conditions with a static water level of approximately 3490 fmsl or 15 ft below land surface. Wells producing from the Minnelusa Aquifer yield 5 to 30 gpm and have specific capacities of 0.039 - 2.5 gpm/ft (Division of Water Rights, 1986).

Recharge to the Minnelusa is from infiltration of precipitation on the outcrop, from stream flow, and possibly upward leakage from the Madison Aquifer.

The Madison (Pahasapa) Limestone is a massive, fine to medium crystalline, cavernous limestone and dolomite, 300 to 600 feet thick (Darton, 1925), that underlies approximately 314,880 acres and contains an estimated 9,446,400 acre-feet of recoverable water in storage in Lawrence County (Allen, 1984). The importance of the Madison as an aquifer is largely due to well developed zones of secondary porosity and permeability formed by weathering of exposed surfaces and ground water solution. The average porosity of the Madison Limestone is estimated to be 11% and the effective porosity is estimated to be 5% (Rahn, 1979).

Recharge to the Madison Limestone is accomplished primarily through infiltration falling on the outcrop area and stream flow losses. The quantity of water that recharges the Madison is unknown.

There is no aquifer test information available from the Madison Aquifer in the Whitewood area; therefore, the transmissivity and the storage coefficient of the aquifer are unknown. Estimates from regional studies of the aquifer indicate the transmissivity may range from 86 to 25,000 ft²/s; the storage coefficient may range from 1x10⁻⁶ to 1x10⁻⁴ (Peter, 1985).

The Division of Water Rights monitors a Minnelusa Aquifer observation well approximately 4 1/2 miles south east of the applicant's well. The well was installed during the summer of 1986; therefore no long term historic data (water levels) is available.

Review of Existing Permits:

There are four existing groundwater permits in the area, they are:

<u>Permit#</u>	<u>Owner</u>	<u>Depth</u>	<u>Aquifer</u>	<u>cfs</u>	<u>Static</u>	<u>Capacity</u>
588-1	Town of Whitewood	680'	Minnelusa	.44	?	?
1130-1	East Slope Estates Water Assoc.	1200'	Minnelusa	.09	110	0.6 g/ft
1144-1	Livestock Energy Systems	460'	Minnelusa	.13	60'	?
1241-1	Black Hills Forest Acres	1980'	Madison	.39	?	?

After reviewing domestic well files and comparing this to information provided with this application, it appears that the static water level of the Minnelusa and Madison Aquifers are nearly the same.

Conclusions

1. Water is available from the Minnelusa Formation and the Madison Limestone.
2. There is a possible hydraulic connection between the Madison and Minnelusa.
3. Interference should not be a problem. All existing permits have fairly small diversion rates and this application is for a small diversion rate.
4. Most area domestic wells are completed into the Minnelusa or younger age sediments.



Ken Buhler
Natural Resources Engineer

References:

- Rahn, P.H., 1979, Ground Water Resources of Western South Dakota, U. S. Army Corps of Engineers, Draft Report - Final.
- Allen, J.C., Illes, D., Petres, A., 1984, Analysis of Ground Water and Streamflow Data, Western Dakotas Region of South Dakota: DWNR, Division Geological Survey, Vermillion, SD, 57069; U.S. Army Corps of Engineers Contract No. DAWC 45-82-C-0151.
- Peter, K.D., 1985, Availability and Quality of Water From Bedrock Aquifers in the Rapid City Area, South Dakota, U. S. Geological Survey Water Resources Investigations.
- Division of Water Rights, 1986, "Domestic Well Log and Water Permit Files", DWNR, Division of Water Rights, Joe Foss Building, Pierre, SD.
- Darton, N.H., Paige, S., 1925, Geologic Atlas of the United States, Central Black Hills Folio, South Dakota, U.S.G.S. Folio 219.



Department of Water & Natural Resources

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

Water Rights Division
605 773-3352

November 6, 1986

NOTE:

TO BE SURE OF PUBLICATION ON
THE CORRECT DATES, CONTACT THE
NEWSPAPER RIGHT AWAY.

Vic Weyrich
210 East Lincoln
Spearfish SD 57783

Dear Mr. Weyrich:

Your Application No. 1371-1 for a permit to appropriate water for
suburban housing use, has been examined and found to
comply with the South Dakota Water Laws and applicable rules. A notice of
your intent to appropriate water has been sent to the Publisher of the

QUEEN CITY MAIL

printed at Spearfish

South Dakota. For your information, a copy of this notice, the recommendation
of the Chief Engineer and a report on the application are enclosed. Please
review this 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 intent to appropriate water 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 at least thirty days before the board meeting. We must receive
Proof of Publication before the application can be considered by the Water
Management Board.

Sincerely,

RON DUVALL
Natural Resources Engineer

enclosures



Department of Water & Natural Resources

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

Water Rights Division
605 773-3352

November 6, 1986

QUEEN CITY MAIL
Box 152
Spearfish SD 57783

Dear Sir:

Enclosed is a Notice of Intent to Appropriate Water by Vic Weyrich
Application No. 1371-1, in Lawrence County, South Dakota. Please
publish this notice once each week for two consecutive weeks in your paper. The
first publication should be on, or before November 12, 1986.

The APPLICANT MUST VERIFY TO YOU THAT THE NOTICE IS TO BE PUBLISHED, before you
make the first publication. The applicant is to pay the cost of publication and
should make the necessary arrangements with you to pay these costs.

A copy of BOTH publications must be sent to the Water Rights Division. IMMEDIATELY
after the FIRST publication, return a copy of the notice with the FIRST Publication
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 before the second
notice is published.

Please be sure the SECOND publication is returned with the enclosed Proof of
Publication form. The permit application cannot be considered by the Water
Management Board until proof of publication has been received.

Thank you for your assistance.

Sincerely,

RON DUVAL
Natural Resources Engineer

cc: applicant

***** CUT HERE *****

FIRST Publication Transmittal No. 1371-1 Date _____
TO: Water Rights Division
Joe Foss Building
Pierre SD 57501-3181

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

NAME _____ NEWSPAPER _____

Equal Opportunity Employer

Instruction to Newspaper - Publish first publication of the following Notice on or before November 12, 1986 with 2nd publication 1 week later. The applicant is responsible for payment.

NOTICE OF HEARING on Application No. 1371-1 to Appropriate Water
~~and/or to Amend Water Permit or Water Right No. _____~~

Notice is hereby given that Vic Weyrich whose mailing address is 210 East Lincoln, Spearfish, South Dakota has made an application for a permit to appropriate 0.10 cubic feet of water per second from one well (Minneulsa and Madison Formation) 1,446 feet deep located in the SE 1/4 NE 1/4 Section 16, T6N, R4E. The water is to be used for suburban housing development.

Pursuant to SDCL 46-2A-2 the Chief Engineer of the Water Rights Division recommends

Approval of Application No. 1371-1 because 1) unappropriated water is available, 2) will be no unlawful impairment of existing rights, 3) is beneficial use of water and 4) is in the public interest.

This application will be considered by the Water Management Board at Room 216, Joe Foss Building, 523 E Capitol, Pierre on December 10 19 86 at 10:00 am.

The recommendation of the Chief Engineer is not final or binding upon the Board and the Board is authorized to 1) approve, 2) approve with qualifications, 3) defer, or 4) deny this application after it reaches a conclusion based upon facts presented at the public hearing. Any interested person who may be affected by a Board decision and who intends to participate in the hearing before the Board and present evidence or cross-examine witnesses according to SDCL 1-26, must file a written petition with BOTH the applicant and the Chief Engineer by November 28, 1986. The petition may be informal, but it must include a statement describing the petitioners interest in the application, the reasons for the petitioner's opposition to or support of the application, and the signature and mailing address of the petitioner or his legal counsel if legal counsel is obtained. The applicant need not file a petition.

This application is made pursuant to the provisions of SDCL 46-1-1 thru 46-1-9, 46-1-12 thru 46-1-15; 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; 46-5-1 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; (ground) 46-6-3, 46-6-3.1, 46-6-6.1, 46-6-10, 46-6-13, 46-6-14; (future use) 46-5-38 thru 46-5-40; (transfer lands) 46-5-30.4, 46-5-33 thru 46-5-35; (10,000 AFA) 46-5-20.1, 46-5-8.1; and Board Rules ARSD 74:02:01:01 thru 74:02:01:15; (future use) 74:02:01:24 thru 74:02:01:25; (10,000 AFA) 74:02:01:15:02 thru 74:02:01:15:05.

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

Any person wishing a copy of the Chief Engineer's recommendation, further information on this application or to assure access to the hearing by the handicapped can contact the Water Rights Division, DWNR, Joe Foss Bldg, Pierre SD (605 773-3352) for assistance prior to the hearing date. The time of the hearing will be automatically extended for at least twenty days upon written request of the applicant or any person who has filed a petition to oppose or support the application. The request for extension must be filed with the Chief Engineer by November 28, 1986.

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Lawrence) ss.

I, William B. Kemper hereby

certify that the annexed printed copy of Notice of Intent to Appropriate

Water was taken from the Queen City Mail

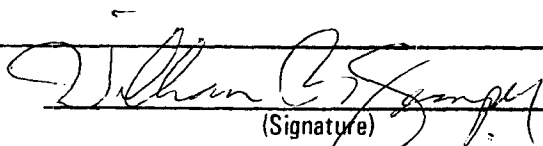
A newspaper which during the whole time of publication of said notice
herein after stated, has been and is printed and published in the

city of Spearfish

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

November 12th, 1986

November 19, 1986

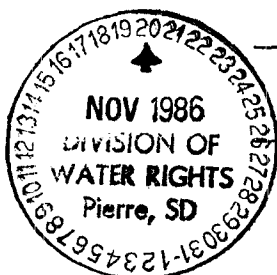

(Signature)

Publisher

(Title)

11/19/86

(Date Signed)



Cost of Printing: _____

93 lines x .2564 = \$23.85 (11/12)

93 lines x .2051 = \$19.08 (11/19)

Total cost \$ 42.93

**NOTICE OF INTENT TO
APPROPRIATE WATER**

Notice is hereby given that **Wm Weyrich** whose mailing address is **210 East Lincoln, Spearfish, South Dakota** has made an application for a permit to appropriate 0.10 cubic feet of water per second from one well (Minneulsa and Madison Formation) 1,446 feet deep located in the SE 1/4 NE 1/4 Section 16, T6N, R4E. The water is to be used for subirrigation development.

Pursuant to SDCL 1-26, the Chief Engineer of the Water Rights Division recommends Approval of Application No. 1371-1 because 1) unappropriated water is available, 2) will be no unlawful impairment of existing rights, 3) is beneficial use of water and 4) is in the public interest.

The application will be considered by the Water Management Board at **Room 216, Joe Foss Building, 523 E. Capitol, Pierre on December 10 19 86** at 10:00 a.m.

The recommendation of the Chief Engineer is not final or binding upon the Board and the Board is authorized to 1) approve, 2) approve with qualifications, 3) defer, or 4) deny this application after it reaches a conclusion based upon facts presented at the public hearing. Any interested person who may be affected by a Board decision and who intends to participate in the hearing before the Board and present evidence or cross-examine witnesses according to SDCL 1-26, must file a written petition with BOTH the applicant and the Chief Engineer by **November 28, 1986**. The petition may be informal, but it must include a statement describing the petitioners interest in the application, the reasons for the petitioner's opposition to or support of the application, and the signature and mailing address of the petitioner or his legal counsel if legal counsel is obtained. The applicant need not file a petition.

[illegible]



1371-1

Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501

Water Rights Division
605 773-3352

FEB 17 1987

Vic Weyrich
210 E. Lincoln
Spearfish, South Dakota 57783

Dear Mr. Weyrich:

Enclosed herewith is your Water Permit No. 1371-1 as approved by the Water Management Board authorizing you to construct your water diversion system and the water to beneficial use, not exceeding the limits as specified in said Water Permit No. 1371-1.

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 your 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

JH:ms

enclosure

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.



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

April 19, 1993

1371-1

Vic Weyrich
RR 1, Box 137
Whitewood, SD 57793

Dear Mr. Weyrich:

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 No. 1371-1, has been completed. Your final water right document, the Water License, can now be issued.

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

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 Division
(605) 773-3352

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

RECEIPT

413761

Division of Water Rights

South Dakota Department of Environment and Natural Resources

Pierre, _____ May 6 _____, 19 93

RECEIVED OF Vik Weyrich, VW Subdivision Water Co, Rt 1 Box 137, Whitewood, SD 57793

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>1371-1</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 John Hatch
Chief Engineer

Permit No. 1371-1

Water District: Belle Fourche River

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

I have this day made a thorough examination of the water use system constructed by Vic Weyrich of RR1, Box 137 Whitewood, SD, 57793 holder of Permit No. 1371-1, bearing the priority of October 30, 1986 authorizing the diversion of 0.1 cu.ft. per second the waters of groundwater for suburban housing uses, in Lawrence County.

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

A. Works used to divert the water:

A pump: 30 gallons per minute capacity.

A motor, 1 1/2 horse power.

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

1000 feet of 2 inch PVC pipe to the reservoir and 1000 feet of 3 inch pipe to the first place of use.

C. Works used to apply water to beneficial use:

Water is used in a suburban housing development serving 7 houses.

The system is in the following conditions: Good The point of diversion is

located: Approximately 1167 feet west, 2215 feet south from the Northeast corner of Section 16, T6N-R4E (SE1/4 NE1/4).

The works are capable of diverting and conveying to the place of use 0.07 cu.ft. per second of groundwater which is used for a suburban housing development water needs.

The license should be issued for 0.07 cfs. Application permit qualifications have been complied with ☒ Yes No

Exceptions to compliance are: None

Date: 6/18/92



M. RASSOOL AHADI

Natural Resources Engineer III

DENR, Water Rights Division

REPORT ON INSPECTION OF PERMIT NUMBER 1371-1

DATE 6/18/92

DIVERSION POINT LEGAL LOCATION: SE1/4 NE1/4 Section 16, T6N-R4E

WELL INFORMATION: Well Drilling Firm Graf Drilling

- a) Pump 1) make Myers-submersible No. of Wells 1 Depth(s) 1450 feet
2) model J 1518 c) Casing: 1) diameter 5 1/4 inches
3) size inches 2) length 936 feet
4) capacity 30 GPM 3) type Steel
5) turbine pump - No. of stages d) Screen: 1) type None
6) operating pressure PSI 2) length feet
- b) Motor: 1) make Myers e) Static Water Level 15-90 feet
2) model No. S2T152J
3) horsepower rating 1 1/2 HP

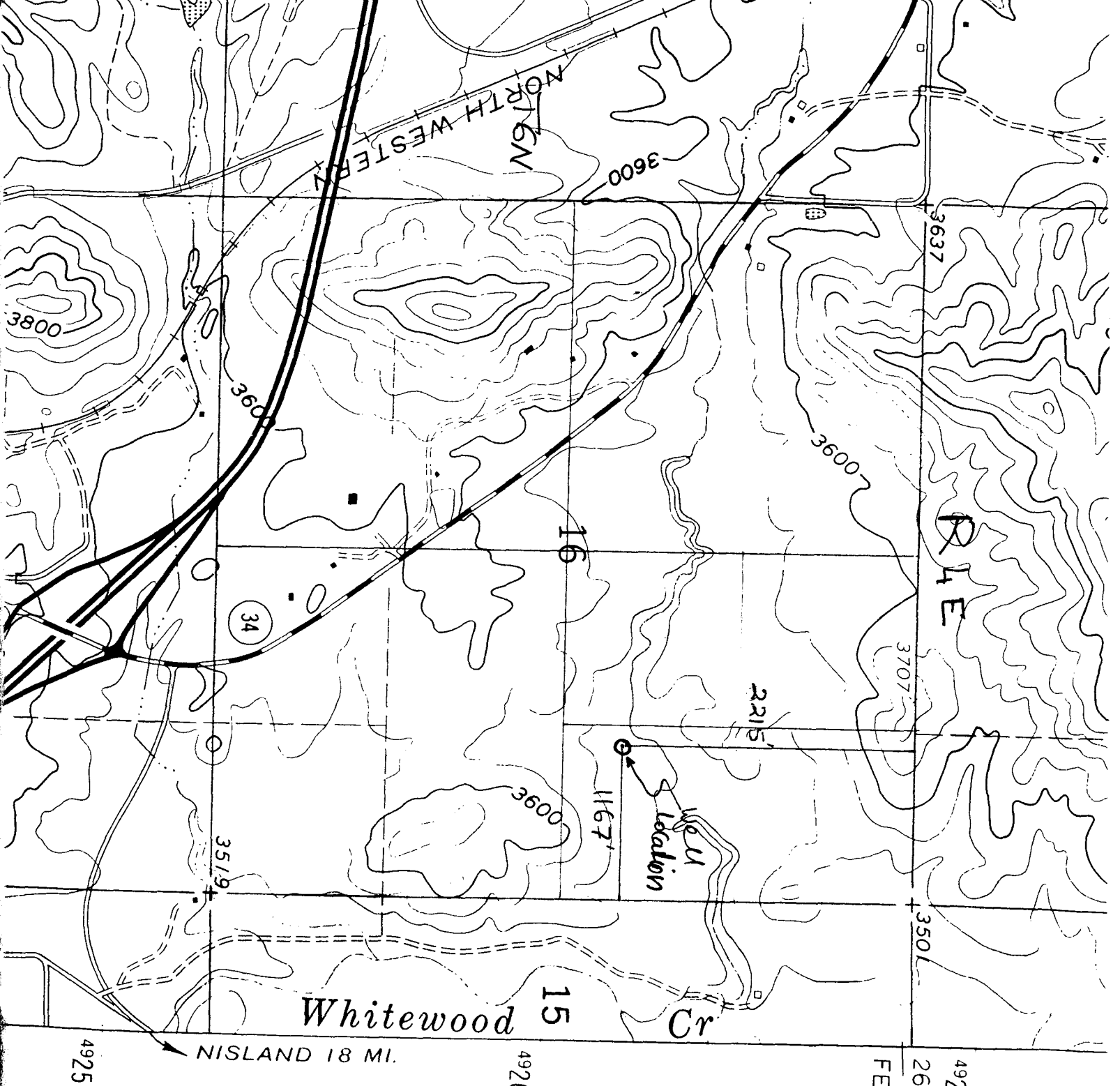
DISTRIBUTION LINES OR CANALS:

- a) type Polyvinyl Chloride (PVC) b) size 2-3 inches c) length 1000* feet

* Water is pumped to a 50,000 gallon reservoir.

PERMIT QUALIFICATIONS AND REGULATIONS:

- a) Soil and water permit lands agree with lands being irrigated and lands listed on permit NA (Y/N)
b) Special qualifications to permit being abided by Y (Y/N)
c) All structures, wells and lands on map Y (Y/N)
d) Irrigation Questionnaires checked to determine if permit owner started irrigation by the end of construction period NA (Y/N)



MR. Macd.
Mad. Res. Eng.
8-28-92

D Water Permit No. 1371-6

STATE OF SOUTH DAKOTA
WATER LICENSE NO. 1371-1

(1) Vic Weyrich of RR1, Box 137, Whitewood, SD 57793 made Application No. 1371-1, October 30, 1986 for a water permit to divert 0.10 cubic feet of water per second from groundwater (one well), Lawrence County, South Dakota, for suburban housing developement purposes. Permit No. 1371-1, with a priority date of October 30, 1986 was approved December 10, 1986 and issued to the applicant for diversion of water with construction of the described water supply system completed on or before December 10, 1991 and for the application to beneficial use of said water on or before December 10, 1995.

(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 0.07 cubic feet of water per second for beneficial use. The location of the diversion point is 1167 feet W and 2215 feet S of the NE corner of Section 16 T6N-R4E (SE¼ NE¼).

(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 Vic Weyrich of RR1, Box 137, Whitewood, SD 57793 the holder and/or owner of Water Permit No. 1371-1 is issued a license to appropriate water, the right to divert 0.07 cubic feet of water per second from groundwater (one well) with a priority date of October 30, 1986 from the location specified in (2) of this license. The water is be used for the purpose of suburban housing. This license is subject to any limitations or qualifications listed in Water Permit No. 1371-1 and subject to South Dakota State Law.



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

SEP 27 1993



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

SEP 27 1993

1371-1

Vic Weyrich
RR 1, Box 137
Whitewood, SD 57793

Dear Mr. Weyrich:

Enclosed is Water License No. 1371-1. This is the final water right document completing your process of obtaining a Water Right. Enclosed is Receipt No. 413761 in the amount of \$50.00 which you paid for the inspection and issuance of the Water License.

For your information SDCL 46-6-27 requires that if the owner of an existing well, such as the well authorized by Water Right No. 1371-1, 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 Division
(605) 773-3352

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enclosures