

Considered: _____

WATER PERMIT NO. 1382-1

MAP No. Same

Name of Applicant G. Eugene Johnson

Post Office Address Box 255, Spearfish, SD 57783

Amount of Water Claimed 1.19 Total Acres 83.5

Source of Water Supply 2 wells - Minnelusa or Madison Formation

Water to be used for irrigation County Lawrence

About 2 1/2 miles 11 of Spearfish

PROOF OF PUBLICATION: Received ☒ Not Received _____

APPLICATION: Approved 5/6/87 Subject to _____

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

PRIORITY _____ Date Received Jan. 5, 1987 Fee 225.00 Remarks _____

3/18/87

Corrected Application Received _____ Period of Annual Use Apr. 1 - Nov 30

WATER QUALITY APPROVAL RECEIVED March 18, 1987 APPROVED/CONDITIONAL (Circle one)

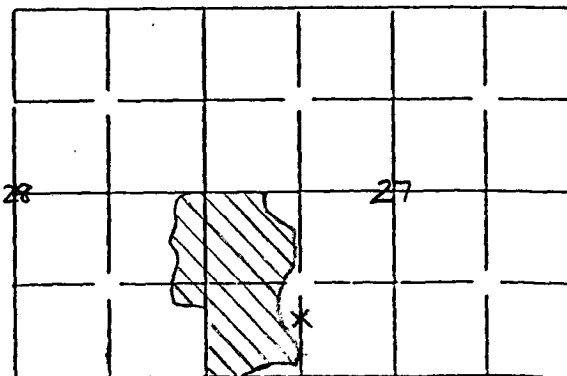
WI-1 Description same as Application YES ☐ NO ☐ REMARKS _____

Diversion Point 2 wells: S 1/2 SW 1/4 section 27-

T 7 N - R 2 E

Land to be Irrigated W 1/2 SW 1/4 section 27; E 1/2 SE 1/4

section 28; all in T 7 N - R 2 E



Well Log: Driller Joe Graf Licensed YES ☐ NO ☐

Depth of Well _____ REMARKS _____

Type of Map Topo PREPARED BY G. Eugene Johnson & Ron Duwall Reviewed and the Number assigned on March 10, 1987 By Ron Duwall

No. 1382-1 Hydrologic Unit 10120203
Map No. Same Basin Belle Fourche R
Newspaper Queen City Mail, Box 7, Spearfish (Wed)**Application For Permit To Appropriate Water Within The State Of South Dakota**

Type of Application: Check one or more of the following:

New ☒ Vested Right ☐ Future Use ☐☐ Application to amend Permit No. _____ with old priority date retained☐ Change diversion point(s) ☐ Add diversion point(s) ☐ Change acreage ☐ Other ☐☐ Application to: ☐ Change use ☐ Change diversion point(s) ☐ Add diversion point(s)☐ Add Acreage ☐ Increase diversion rate ☐ Other _____ See Permit No. _____☐ Application to: ☐ Use ☐ Transfer water reserved by Future Use Permit No. _____1. Name of Applicant G. Eugene Johnson Phone No. 642-5933Post Office Address Box 255 Spearfish, South Dakota State 57783
(Street, RR or Box) Zip Code2. Amount of water claimed (c.f.s.) 1.19 Total acres irrigated 83.53. Source of Water supply 2 wells Minnelusa and/or Madison Formation4. Location of point of diversion S $\frac{1}{2}$ SW $\frac{1}{4}$ Section 27-T7N-R2ECounty Lawrence5. Counties where water will be used Lawrence6. Annual period during which water is to be used April 1 - November 30

7. List below each forty acre subdivision, or lot, or fraction thereof and show number of acres to be irrigated in each.

Land Description	No. Acres Irr.
SW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 27-T7N-R2E	33.7
NW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 27-T7N-R2E	34.5
NE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 28-T7N-R2E	10.0
SE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 28-T7N-R2E	5.3

Land Description	No. Acres Irr.

Attach sheet if more space is needed

8. 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)

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 ssI, G. Eugene Johnson 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.

KAREN SCHLAACK

NOTARY PUBLIC
SOUTH DAKOTA
My Commission Expires Apr. 1, 1993Signed G. E. JohnsonSubscribed and sworn to before me this 5th day of January 1987Karen Schlaack

Notary Public (or other qualified officer)

WATER PERMIT

The Water Management Board hereby approves Water Permit Application No. 1382-1
G. Eugene Johnson Box 255, Spearfish
(Applicant) (Post Office Address)
SD 57783 With the following qualifications.
(State) (Zip Code)

SEE ATTACHMENT

Date of first receipt of application January 5, 1987.

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

Date of receipt of corrected application March 18, 1987. Approved May 6, 1987.

The Water Management Board hereby approves this Water Permit No. 1382-1 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 March 18, 1987.
2. One-fifth of the work is to be completed on or before October 6, 1989.
3. The whole of said work is to be completed on or before May 6, 1992.
4. The time limit for proof of beneficial use of water is May 6, 1996.
5. The water appropriated shall be used for the purpose of irrigation.
6. The prior right of all persons who, by compliance with the laws of the State of South Dakota, have acquired a right to the use of water must not be unlawfully impaired by this appropriation.
7. The amount of the appropriation herein granted shall not exceed 1.19 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. For irrigation purposes said appropriation must be limited to not more than 2 acre feet per acre per year and be limited to not more than one-seventieth (1/70) of one cubic foot of water per second of time for each acre of land to which water is actually and beneficially applied for irrigation on or before May 6, 1996; said water to be used during the following described annual period: Apr 1 - Nov 30.

WATER MANAGEMENT BOARD

By: John Hatch
Chief Engineer

Division of Water Rights
Dept. of Water and Natural Resources

JUL 17 1987

_____, 19____

Attachment

1. The casing of the wells to be constructed under Permit No. 1382-1 shall be pressure grouted with cement (bottom to top) from the producing formation to the surface and constructed in compliance with Water Management Board Rules, Chapter 74:02:04.
2. The well approved under this permit shall be valved and the flow reduced to the amount needed or to a minimum when not being used. The well shall also be equipped with a pressure gauge and a record kept of any pressure fluctuations. Such records shall be available to the Chief Engineer upon request. If this well is abandoned or the Permit cancelled, the well must be plugged in accordance with Water Management Board Rules, Chapter 74:02:04.
3. The wells 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.
4. This permit is approved subject to the irrigation water use questionnaire being submitted each year.

Supplemental Information

(type or print in ink)

1. Well Information - Proposed construction

- a) Drill Hole Diameter _____ Depth _____
- b) Casing Type _____ Diameter _____ Thickness _____
- c) Screen Type _____ Diameter _____ Thickness _____
- d) Gravel Pack Thickness _____ Length of Gravel Pack _____
- e) Depth to Top of Water Bearing Material _____
- f) Depth of Water (ground surface to water level) _____
- g) Distance to nearest existing domestic well:
 On applicants property ½ mi. shallow well On property owned by others unknown

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 _____

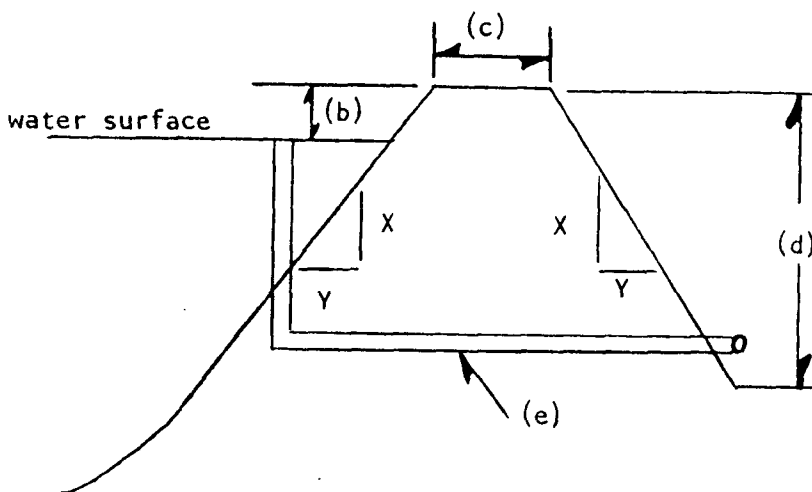
f) X & Y Slope
 Upstream _____

Downstream _____

Surface Area of Impoundment _____

Storage _____ acre feet

Drainage area above dam _____



Signature of Applicant

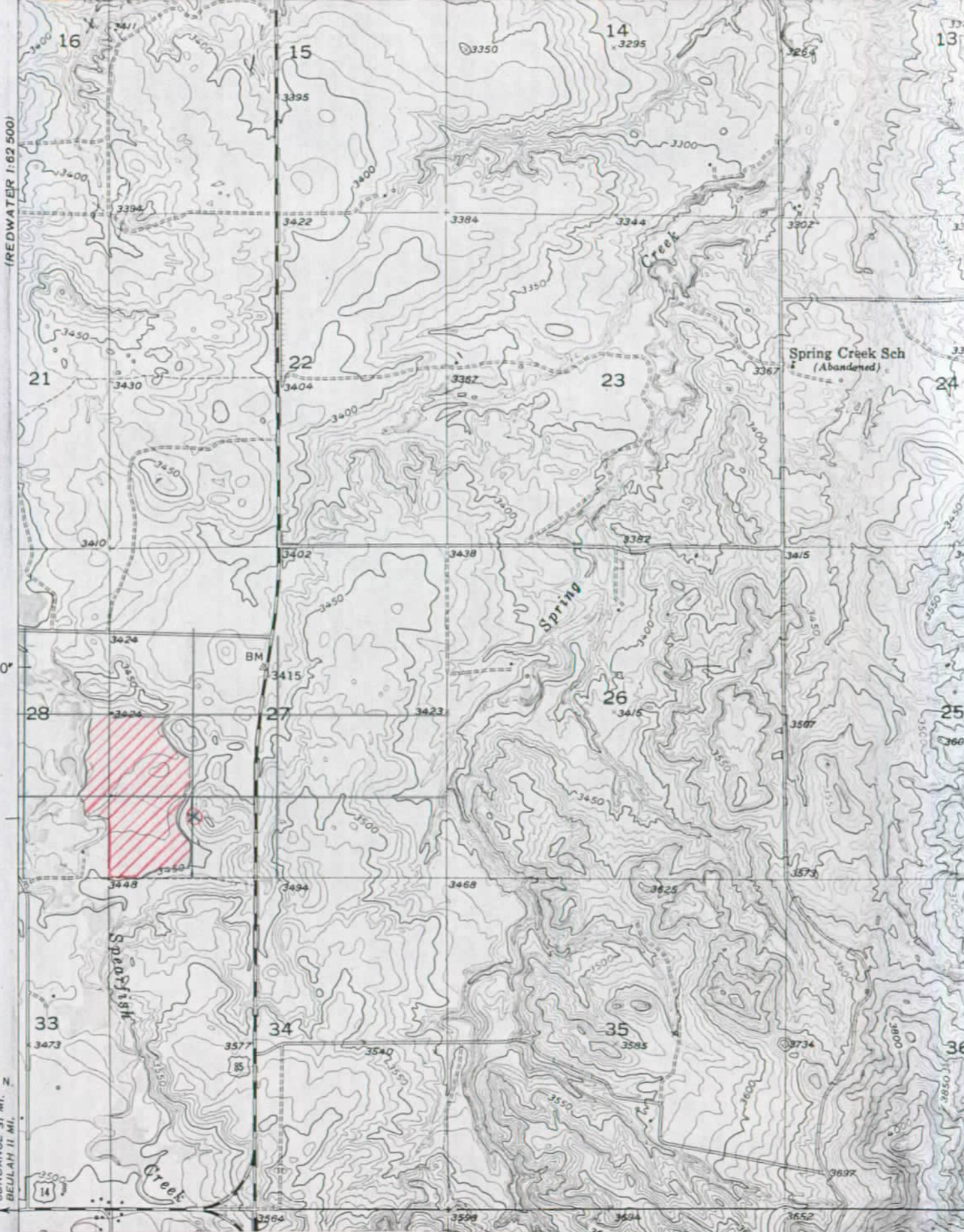
(REDWATER 1:62 500)

32°30'

T. 7 N.

SUNDANCE 31 MI.
BEULAH 11 MI.

T. 6

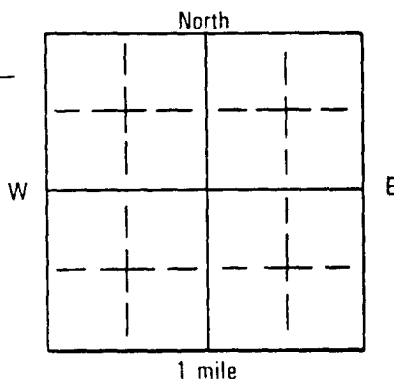


Ron Duwall
Natural Resources Engineer
1/5/87

L. Eugene Jahr
Appl. No. 1382-1

SOUTH DAKOTA WATER WELL COMPLETION REPORT

10-85

Location SW 1/4 Sec 27 Twp 7 Rg 2ECounty B 4 mLawrencePlease mark well
location with
an "X"Well Completion Date 12/30/86

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>23#</u> LB/FT	<u>8 5/8</u> IN	<u>0</u> FT	<u>80</u> FT	<u>12 1/4</u> IN
<u>17#</u> LB/FT	<u>5 1/2</u> IN	<u>0</u> FT	<u>800</u> FT	<u>7 7/8</u> IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUT:

Was the well grouted? ☒ YES ☐ NOTo what depth? 0 - 80 0 - 800 FEETWhat is grouting material? cementIf cement, number of sacks? 28 sacks 128 sacksDescribe grouting procedure 40 " 28 "5 gal. water persack of cement
plus 2% bentoniteWhat was grout weight? no scales 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 ☒ NO

If so, what material? _____

Describe packer(s) and location? _____

Was well disinfected upon completion? ☒ YES ☐ NOExplain 2000 gal water to 1 gal chlorineBacteriological analysis ☐ YES ☐ NO

Laboratory sent to _____

Well Owner:

Name Eugene Johnson & Carol JohnsonAddress Spearfish, SD

Well Log:

Depth

Formation	From	To
surface	0	80
red bed spearfish	80	565
limestone	565	602
o'peache red bed	602	696
minnusa sand	696	720
claysand stringers	720	900
lost circulation	900	970
hard rock	970	980
honey comed	980	1060
fractured limestone		
sandstone		

STATIC WATER LEVEL flowing 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? yes

WELL TEST DATA:

☐ Pumped☐ Bailed

Describe: _____

☐ Other

Pumping Level Below Land Surface

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

REMARKS:

lost circulation at 556' mixed 5tonof bentonite, 35 bales chips lost--circulation at 900' drilled withthbentonite chips blind to 1060' wellstarted flowing logged by US geo-
physical to 883' hole plugged at 883'with fine sand Continued Hit
This well was drilled under license # 327 Clean

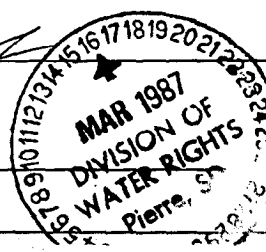
And this report is true and accurate.

Drilling firm GRAF DRILLING CO.

Signature of License Representative:

Signature of Well Owner:

Date _____





Department of Agriculture

DIVISION OF CONSERVATION
Anderson Building • Pierre, South Dakota 57501
Phone 605/773-3258



February 17, 1987

G.E. Johnson
PO Box 255
Spearfish, SD 57723

Dear Mr. Johnson:

In reviewing your soil and water compatibility application for Portions of W1/2 SW1/4 27; E1/2 SE1/4 28-7-2 = 83.5 acres the irrigation staff is recommending Approval with Requirements of your application to the State Conservation Commission at their March 16, 1987, meeting. The Approved with Requirements recommendation is based on the area of (NbD) Nevee-Spearfish-Rock outcrop complex, 9-40% slope, which has excessively steep slopes and a severe erosion hazard.

The Requirements and Management Recommendations are as follows:

REQUIREMENTS:

The area mapped as Nevee-Spearfish-Rock outcrop complex, 9-40% slope, (NbD) shall not be irrigated.

MANAGMENT RECOMMENDATIONS:

In reviewing the other soils of the area, they are dominately loam and silt loam in texture which may make uniform water application difficult, with long runs. We recommend the use of short runs to achieve a more uniform water application and pumping cost efficiency.

The maximum allowable limits of salt and sodium buildup in the profile at the root zone (upper 12 inches of the soil profile) at the beginning of the growing season apply. They become applicable upon the issuing of a soil-water compatibility permit by the division or the commission.

Sincerely,

Jim Stukel
Land Management Supervisor

cf

SOIL/WATER COMPATIBILITY PERMIT APPLICATION FORM

Office Use Only

Division of Conservation

WR#

OWNERS NAME: G. Eugene Johnson

OWNERS ADDRESS: PO Box 253

COUNTY LAND LOCATED IN: Lawrence

Spearfish, SD 57783
PHONE: 642-5933

TENANT'S NAME AND ADDRESS:

LEGAL DESCRIPTION: (Show Legal Descriptions to Nearest 10 Acres)

1. WELL LOCATION SW1/4 SW1/4 27-7-2
Madison Aquifer & Hittalaqua Aquifer
Depth _____

2. SURFACE WATER SOURCE AND DIVERSION LOCATION:

Diversion Location _____

Legal Description	Acres	Legal Description	Acres
<u>SW1/4 SW1/4 27-7-2</u>	<u>33.7</u>		
<u>SW1/4 SW1/4 27-7-2</u>	<u>34.5</u>		
<u>SE1/4 SE1/4 28-7-2</u>	<u>10.0</u>		
<u>SE1/4 SE1/4 28-7-2</u>	<u>5.3</u>		

3. SHOW ANY PORTION OF LAND THAT PRESENTLY HOLDS AN IRRIGATION PERMIT: YEAR OBTAINED _____

LEGAL DESCRIPTION: _____

IN WHAT NAME: _____

4. LOCATION OF AREA TO BE IRRIGATED NOTE: **SOILS INFORMATION FOR THIS AREA MUST ACCOMPANY THE APPLICATION. (See instruction sheet)**

5. TYPE OF IRRIGATION: GRAVITY: IX TOWLINE: _____ CENTER PIVOT: _____ GUN: _____ (Specify) _____

6. CROPS TO BE IRRIGATED: Alfalfa

WATER QUALITY: (TO BE COMPLETED BY SDSU WATER QUALITY LABORATORY)

7. WATER SAMPLE NUMBER: 1 _____ 10. ADJUSTED (SAR): _____
8. SALINITY (EC X 10⁶): _____ 11. PERCENT SODIUM: _____
9. SODIUM (SAR): _____

I hereby certify that I personally obtained or that I personally observed that taking of a sample of the water to be used in irrigating the above-described land. I also hereby certify that the required procedures for the taking of the sample (see instruction sheet) were followed, and that the sample was taken at _____ a.m./p.m., on _____, 19____, at the following location: _____ by (individual who took sample if other than applicant). I also hereby certify that the water sample taken has NOT been adulterated or tampered with in any manner, and is TRULY REPRESENTATIVE of the water which will be used in irrigating the above-described land.

Signature, of Water Sampler

I understand that the Division of Conservation or agents thereof may obtain water samples from wells and surface bodies to be used for irrigation purposes to validate water samples taken at the time of application. The Department of Agriculture may also gather technical information necessary to protect the land. (46-5-6.4).

SUBSCRIBED AND SWORN BEFORE ME THIS

54 DAY OF _____, 1987

(NOTARY PUBLIC)

APPLICANT'S SIGNATURE

Director, Division of Conservation

Date

APPROVED

DISAPPROVED

WAIVER

REQUIREMENTS

Soil/water permits will be recorded by the Department of Agriculture, with the County Register of Deeds.

CONSERVATION COMMISSION MEETING

DATE: February 17, 1987

Page 1 - APPROVED
with Requirements

NAME: G.E. Johnson

Water Quality: 87-0047

ADDRESS: PO Box 255

SALINITY: 1150

ADDRESS: Spearfish SD 57723

SAR: 0.03

SODIUM: 0.53

COUNTY: Lawrence

ADJ SAR: 0.08

LEGAL DESCRIPTION: Portions of W1/2 SW1/4 27; E1/2 SE1/4 28-7-2 =
83.5 acres

APPLICATION #: 4196

TYPE OF IRRIGATION: Gravity

WATER SOURCE: Ground

REQUIREMENTS:

The area mapped as Nevee-Spearfish-Rock outcrop complex, 9-40% slope, (NbD) shall not be irrigated.

MANAGEMENT RECOMMENDATIONS:

In reviewing the other soils of the area, they are dominately loam and silt loam in texture which may make uniform water application difficult, with long runs. We recommend the use of short runs to achieve a more uniform water application and pumping cost efficiency.

TYPE OF PERMIT GRANTED AND REASON:

The Approved with Requirements recommendation is based on the the area of (NbD) Nevee-Spearfish-Rock outcrop complex, 9-40% slope, which has excessively steep slopes and a severe erosion hazard.



RECEIPT

Division of Water Rights

South Dakota Department of Water and Natural Resources

410698

Pierre, January 5 January 5, 19 87

RECEIVED OF G. Eugene Johnson, Box 255, Spearfish, SD 57783

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

Fee for Application for Permit No. <u>1382-1</u> to Appropriate Water, to construct works and to put water to beneficial use	225	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	225 00

By John Hatch
Chief Engineer

JOHN HATCH

MS

Conversation or File Documentation

NAME OF PERSON OR FILE: G. Eugene JohnsonADDRESS: _____ COUNTY LawrenceDATE: March 19, 1987 TELEPHONE _____RE: Conversation with Jim Stukel, Division of Conservation

COMMENTS:

Contacted Mr. Stukel regarding a discrepancy between the diversion point specified on the S/W permit and the water permit application. Mr. Stukel stated the two applications did not need to match if the well was constructed within 2000 feet of the diversion point on the S/W permit

File in Permit or other file as necessary. Use to document conversations and what the other party was told; why action or decision was made.

NAME: Don Duvall

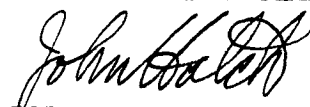
RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 1382-1, Eugene Johnson

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. 1382-1, Eugene Johnson, Box 255, Spearfish SD.

The Chief Engineer is recommending APPROVAL of Application No. 1382-1 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:

1. The casing of the wells to be constructed under Permit No. 1382-1 shall be pressure grouted with cement (bottom to top) from the producing formation to the surface and constructed in compliance with Water Management Board Rules, Chapter 74:02:04.
2. The wells approved under this permit shall be valved and the flow reduced to the amount needed or to a minimum when not being used. The wells shall also be equipped with a pressure gauge and a record kept of any pressure fluctuations. Such records shall be available to the Chief Engineer upon request. If this well is abandoned or the Permit cancelled, the wells must be plugged in accordance with Water Management Board Rules, Chapter 74:02:04.
3. The wells 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.
4. This permit is approved subject to the irrigation water use questionnaire being submitted each year.

See the attached report for additional information.



JOHN HATCH, Chief Engineer
March 24, 1987

REPORT ON APPLICATION NO. 1382-1

G. Eugene Johnson

March 18, 1987

Application No. 1382-1 proposes to appropriate 1.19 cubic feet of water per second from 2 wells up to 1600 feet deep located in the S 1/2 SW 1/4 Section 27, T7N-R2E. The water is to be used to irrigate 83.5 acres located in the W 1/2 SW 1/4 Section 27 and the E 1/2 SE 1/4 Section 28, all in T7N-R2E.

Aquifer: Minnelusa and/or Madison

Geology and Hydrology

The Minnelusa Formation is an assemblage of alternating beds of sandstone and dolomitic limestone with lesser amounts of red and black shale and chert, approximately 525 feet thick. 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 formation 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 this 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 and is reported to flow in this area (see Graf drilling well log which accompanies this application) wells producing from the Minnelusa in this area yield as much as 1000 gpm with 105 psi shut in pressure. (Division of Water Rights, 1987).

The Madison (Pahasapa) limestone unconformably underlies the Minnelusa Formation. It is a massive, fine to medium crystalline, cavernous limestone and dolomite, 300 to 600 feet thick (Darton, 1925), that underlies approximately 314,880 acres of Lawrence County and contains an estimated 9,446,400 acre-feet of recoverable water in storage in the 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 groundwater solution. The average porosity of the Madison Limestone is estimated to be 11% and the effective porosity is estimated to be 5% (Rahn, 1979). Estimates from regional studies of the aquifer indicated the transmissivity of the Madison may range from 86 to 25,000 ft²/d, and the storage coefficient may range 1×10^{-4} to 1×10^{-3} (Peter, 1985).

Recharge of the Minnelusa Formation and the Madison Limestone occurs primarily through infiltration of precipitation falling directly on the outcrops and streamflow losses. The actual quantity of water that recharges the Madison Limestone has not been quantified, and is a controversial subject. Rahn (1979) states that the Madison recharge rate "must be fairly low", because water from the Madison was determined to be 30,000 years old at Midland and Philip, SD. The water presumably took 30,000 years to migrate from the recharge area near the Black Hills. In a report prepared for the BLM by Woodward-Clyde consultants. The upper and lower bounds of average annual recharge are 400,000 acre-feet per year and 140,000 acre feet per year, respectively. Recharge rates to the Minnelusa Formation have not been determined, but Cox (1962) indicates the Minnelusa receives less precipitation per square mile than the Madison because of its lower elevation, consequently the Minnelusa is recharged less per square mile through precipitation than the Madison Limestone. Cox (1962) states that the Minnelusa Formation is being partially recharged in some other manner than precipitation and streamflow. Possibly through channeling or seepage upward from the underlying Pahasapa Limestone.

The Division of Water Rights monitors a Minnelusa Formation Observation Well approximately 3 miles southwest of the applicant's well. The well was installed in the summer of 1986, so water level information is limited. Water level measurements taken by the USGS from several Minnelusa wells in Lawrence County do not show any definite decline in the potentiometric surface of the Minnelusa (USGS, 1981).

The Division of Water Rights has record of 20 domestic wells within one and a half miles of the applicants well. Most of the domestic wells are in shallower sediments; however, records indicate at least four Minnelusa wells approximately one and one half miles from the applicant's well.

Review of Existing Permits

There is a total of 34 water permits, appropriating approximately 10,397 acre-feet of water per year from the Minnelusa Formation in Lawrence County. Seventeen water permits appropriate approximately 7554 acre-feet of water per year from the Madison Limestone in Lawrence County. One water permit appropriates approximately 72 acre feet annually from the Minnelusa and Madison in Lawrence County.

There are 12 existing water permits appropriating ground water within 2 miles of the applicant's well, they include:

Permit

<u>No.</u>	<u>Owner</u>	<u>Location</u>	<u>Source</u>	<u>Diversion</u>
369-1	City of Belle Fourche	Sec.28 T7N R2E	Alluvium	4 cfs FU
			Minnelusa	2 cfs FU
			Madison	2 cfs FU
673-1	Denny Brengle	NW Sec.26 T7NR2E	Minnelusa	0.16 cfs
876-1	Warren Johnson	SW Sec.23 T7NR2E	Minnelusa	1.0 cfs
891-1	Billy J.Evans	NW Sec.29 T7NR2E	Minnelusa	1.81 cfs
1140-1	Jack Hubbard	SE Sec.28 T7NR2E	Minnelusa	0.5 cfs
1194-1	Everett Mackaben	SW Sec.33 T7NR2E	Minnelusa	0.10 cfs
1240-1	B.V.W. Irr. Project	NE Sec.32 T7NR2E	Madison	0.96 cfs
1253-1	Thompson-Abernathy			
	Dev.#1	SW Sec.33 T7NR2E	Alluvium	0.05 cfs
1257-1	Dr.Roger Herbrandson	SW Sec.33 T7NR2E	Minnelusa	0.33 cfs
1276-1	Melvin E. Delzer	Sec.21 T7NR2E	Minnelusa	8.73 cfs
1343-1	Wee Campground	SE Sec.33 T7NR2E	Alluvium	0.10 cfs
	Milton Johnson			
1344-1	Old Apostolic	NE Sec.32 T7NR2E	Minnelusa	0.10 cfs
	Lutheran Church			

Conclusions

1. The Minnelusa formation and the Madison Limestone are viable aquifers in Lawrence County.
2. Unappropriated ground water is available from the Minnelusa and the Madison in Lawrence County, with less than 0.2 % of the recoverable water in storage in the Minnelusa formation in the county appropriated, and less than 0.1 % of the estimated recoverable water in storage in the Madison Limestone in Lawrence County appropriated.
3. The wells used to supply this permit must be constructed in accordance with the South Dakota Minimum Well Construction Standards.
4. The applicant should be aware that artesian head pressure as means of diversion is not protected, pursuant to SDCL 46-6-6.1.
5. Pursuant to SDCL 46-6-14, the flow of the wells must be controlled so as not to allow waste when the water is not used for irrigation.
6. Well interference should not be a problem for adequate constructed wells.
7. The permit should include the standard well interference clause and the mandatory irrigation questionnaire clause.



Kent Buhler
Natural Resources Engineer

References

- Rahn, P.H., 1979, Ground Water Resources of Western South Dakota, U.S. Army Corps of Engineers, SDSM&T Project #2533.
- Allen, J.C., Illes, D., Petres, A., 1984, Analysis of Ground Water and Streamflow Data, Western Dakotas Region of South Dakota: DWNr, Division of Geological Survey, Vermillion, 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 report of 05-4022.
- Division of Water Rights, 1987, "Domestic Well Log Files, Observation Well Files and Water Permit Files", DWNr, Division of Water Rights, Foss Building, Pierre, SD.
- Darton, N.H., Paige, S., 1925, Geologic Atlas of the United States, Central Black Hills Folio, South Dakota, USGS, Folio No. 219.
- Cox, E.J., 1962, Artesian Water, Minnelusa and Pahasapa Formations, Spearfish, Belle Fourche Area, SDGS, Special Report 19, DWNr, Division of Geological Survey, Vermillion, SD 57069
- USGS, 1981, Water Levels on Bedrock Aquifers in South Dakota, Open File Report 81-627, USGS, SD, DWNr. 57069.

No. 1382-1

Instruction to Newspaper - Publish first publication of the following Notice on or before April 1, 1987 with 2nd publication 1 week later. The applicant is responsible for payment.

NOTICE OF HEARING on Application No. 1382-1 to Appropriate Water
~~and/or to Amend Water Permit or Water Right No. _____~~

Notice is hereby given that G. Eugene Johnson whose mailing address is
Box 255 Spearfish, South Dakota has made an application for a permit

to appropriate 1.19 cubic feet of water per second from 2 wells (Minnelusa and/or Madison Formations) up to 1600 feet deep to irrigate 83.5 acres. The wells are to be located in the S $\frac{1}{2}$ SW $\frac{1}{4}$ Section 27 and the acreage to be irrigated is in the W $\frac{1}{2}$ SW $\frac{1}{4}$ Section 27; E $\frac{1}{2}$ SE $\frac{1}{4}$ Section 28; all in T7N-R2E.

Pursuant to SDCL 46-2A-2 the Chief Engineer of the Water Rights Division recommends
APPROVAL of Application No. 1382-1 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, South Dakota, May 6, 1987 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 April 24, 1987. 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 April 24, 1987.

Form 8 - Proof of Publication - Notice of
Intent to Appropriate Water



No. 1382-

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:

April 2, 1987

April 9, 1987

William B. Kemper
(Signature)

Publisher
(Title)

April 2, 1987
(Date Signed)

Cost of Printing:
92 lines x .2564 = 23.58
92 lines x .2051 = 18.86
TOTAL \$42.44

WNR-808-7/79
Proof of Publication

NOTICE OF HEARING
on Application No. 1382-1
to Appropriate Water

Notice is hereby given that G. Eugene Johnson whose mailing address is Box 255 Spearfish, South Dakota has made an application for a permit to appropriate 1.19 cubic of water per second from 2 wells (Minnelusa and/or Madison Formations) up to 1600 feet deep to irrigate 83.5 acres. The wells are to be located in the S $\frac{1}{2}$ SW $\frac{1}{4}$ Section 27 and the acreage to be irrigated is in the W $\frac{1}{2}$ SW $\frac{1}{4}$ Section 27; E $\frac{1}{2}$ SE $\frac{1}{4}$ Section 28; all in T7N-R2E.

Pursuant to SDCL 46-2A-2 the Chief Engineer of the Water Rights Division recommends APPROVAL of Application No. 1382-1 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, South Dakota, May 6, 1987 at 10:00 a.m.

The recommendation of the Chief Engineer is not final and binding upon the Board and the Board is authorized to 1) approved, 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 April 24, 1987. The petition may be informal, but it must include a statement describing the petitioner's 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; 46-6-3, 46-6-3.1 46-6-6.1, 46-6-10, 46-6-13, 46-6-14; and Board Rules ARSD 74:02:01:01 thru 74:02:01:15.

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 April 24, 1987.

No. 1382-1

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:

April 8th, 1987

April 15th, 1987

William B. Kemper
(Signature)

Publisher
(Title)

April 8th, 1987
(Date Signed)



Cost of Printing: _____

94 lines x .2564 = \$24.10

94 lines x .2051 = 19.28

TOTAL \$43.38

WNR-808-7/79
Proof of Publication

NOTICE OF HEARING
on Application No. 1382-1
to Appropriate Water

Notice is hereby given that G. Eugene Johnson whose mailing address is Box 255 Spearfish, South Dakota has made an application for a permit to appropriate 1.19 cubic feet of water per second from 2 wells (Minnelusa and/or Madison Formations) up to 1600 feet deep to irrigate 83.5 acres. The wells are to be located in the S $\frac{1}{2}$ SW $\frac{1}{4}$ Section 27 and the acreage to be irrigated is in the W $\frac{1}{2}$ SW $\frac{1}{4}$ Section 27; E $\frac{1}{2}$ SE $\frac{1}{4}$ Section 28; all in T7N-R2E.

Pursuant to SDCL 46-2A-2 the Chief Engineer of the Water Rights Division recommends APPROVAL of Application No. 1382-1 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, South Dakota, May 6, 1987 at 10:00 a.m.

The recommendation of the Chief Engineer is not final and binding upon the Board and the Board is authorized

to 1) approved, 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 April 24, 1987. 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; 46-6-3, 46-6-3.1 46-6-6.1, 46-6-10, 46-6-13, 46-6-14; and Board Rules ARSD 74:02:01:01 thru 74:02:01:15.

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 April 24, 1987.



Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501

Water Rights Division
605 773-3352

JUL 17 1987

G. Eugene Johnson
Box 255
Spearfish, South Dakota 57783

Dear Mr. Johnson:

Enclosed herewith is your Water Permit No. 1382-1 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. 1382-1.

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,

A handwritten signature in black ink, appearing to read "John Hatch". The signature is written in a cursive, flowing style.

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.

WNR-809-5/83



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

December 11, 1996

1382-1

Gene Johnson
RR 2 Box 394
Spearfish, SD 57783

Dear Mr. Johnson:

Enclosed, as I discussed with Mrs. Johnson, is a 1996 irrigation questionnaire pertaining to Water Permit No. 1382-1. Please complete the form and return it to our office by December 31, 1996.

During our conversation, Mrs. Johnson inquired about the requirements for use of water. Under South Dakota Water Law 46-5-37, a permit holder must use the water for the purpose it was appropriated at least once every three years in order for the permit to remain valid. However, legal excuse for nonuse of water suspends the period of nonuse specified in SDCL 46-5-37. Legal excuses for nonuse of water include, but are not limited to the following: 1) unavailability of water to satisfy a permit or right; 2) legal proceedings which prevent the use of water and 3) water use under existing climatic conditions would result in a waste of water (in other words, if it rained enough and you did not have to irrigate).

Hopefully I have addressed your concerns. If you have any questions, please contact me.

Sincerely,

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

enclosures

2001 Water Management Board Irrigation Questionnaire

Please fill out and return before **December 1, 2001**

No. 1382-1

~~G EUGENE JOHNSON~~
635 RAMSHEAD PLACE
SPEARFISH SD 57783

Harvey Keene

Any address corrections?

Telephone No. 605-642-5933

Return the completed form to the Water Rights Program at 523 E Capitol, Pierre, SD 57501-3181 (605) 773-3352

1. Is the system constructed? *yes X no _____

*Type of system used (check all that apply):

center pivots _____ towlines _____ big gun _____

flood X sprinklers _____ other _____

3. Is land enrolled in CRP? *yes _____ no _____

*If yes, through what year? _____

4. Did you apply chemicals or fertilizer through the system in 2001? yes _____ no _____

5. If permitted for more than one water source, circle each source used. 1: GROUNDWATER

2:

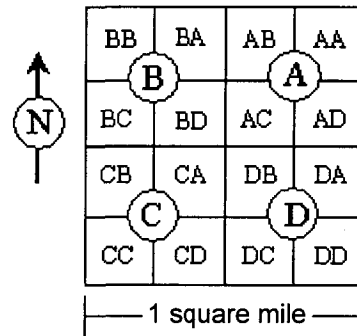
3:

2. Did you irrigate in 2001? *yes _____ **no _____

*If yes, number of acres irrigated _____

**If no, list reason(s) in comment section:

Comment Section



Office use only



Acreage permitted for irrigation under No. 1382-1

(see above section map for help reading legal descriptions)

sec 27-T007N-R02E, CC -- 33.70 acres

sec 27-T007N-R02E, CB -- 34.50 acres

sec 28-T007N-R02E, DA -- 10.00 acres

sec 28-T007N-R02E, DD -- 5.30 acres

*Land has been sold to Harvey Keene and
permit has been transferred 801-733-0897*

Please provide your 2001 water use to irrigate the above acreage on the REVERSE side of this form.

For a sample completed questionnaire, please refer to the reverse side of your cover letter.

MONTH IRRIGATED	CROP TYPE	NUMBER OF ACRES IRRIGATED	PUMP RATE IN GALLONS PER MINUTE	DAYS PER MONTH WATER WAS APPLIED	AVERAGE HOURS PER DAY
-----------------	-----------	---------------------------------	---------------------------------------	--	--------------------------

MARCH					
APRIL					
MAY					
JUNE					
JULY					
AUGUST					
SEPTEMBER					
OCTOBER					

IF MORE ROOM IS NEEDED, PLEASE INCLUDE THE INFORMATION ON A BLANK SHEET OF PAPER

DEPARTMENT OF ENVIRONMENT & NATURAL
RESOURCES
WATER RIGHTS PROGRAM
523 E CAPITOL
PIERRE, SD 57501
PHONE (605) 773-3352 FAX (605) 773-4068

FACSIMILE TRANSMITTAL SHEET

TO: Harvey Keene FROM: Genny McMath
COMPANY: DATE: November 20, 2001
FAX NUMBER: 801 733-0897 TOTAL NO. OF PAGES INCLUDING COVER: 5
PHONE NUMBER: 801 733-0897
RE: Water Permit No. 1382-1

☐ URGENT ☐ FOR REVIEW ☐ PLEASE COMMENT ☐ PLEASE REPLY ☐ PLEASE RECYCLE

NOTES/COMMENTS:

I am sending along a copy of the water permit and map for Water Permit No. 1382-1. The permit is currently listed in the name of G Eugene Johnson, Spearfish, SD.

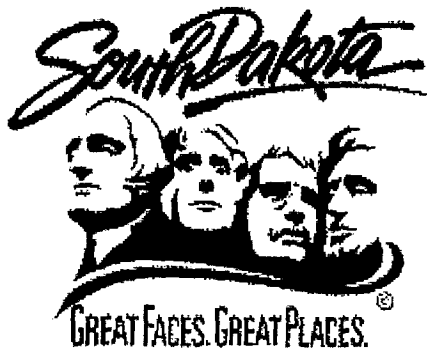
Once you have had a chance to review the documents, let me know whether or not you own the land and if the land was irrigated during 2001. If you do own the land, I will forward you a "Notice of Transfer of Ownership" form for filing the ownership change.

An irrigation questionnaire is also needed. If the land was irrigated, I can mail you a form to report the information. If it was not irrigated during 2001, let me know and I will fill out a form for you.

Thanks in advance for your help.
Genny

11/20 Mr Keene called back - said he did
not own the land -
Gm

Called Mrs Johnson - send questionnaire back to
her.



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

June 2, 2008

1382-1

G Eugene Johnson
635 Ramshead Pl
Spearfish SD 57783

Jill M Trimble
623 Ramshead Pl
Spearfish SD 57783

Dear Mr. Johnson and Ms. Trimble:

I am contacting you both in regard to Water Permit No. 1382-1, listed in Mr. Johnson's name. The water permit authorizes diversion of 1.19 cubic feet of water per second (cfs) from two wells to irrigate 83.5 acres in the W $\frac{1}{2}$ SW $\frac{1}{4}$ Section 27 and E $\frac{1}{2}$ SE $\frac{1}{4}$ Section 28, T7N, R2E.

Mr. Johnson reported on his 2007 irrigation questionnaire that 37.7 acres of the land described above has been transferred to Ms. Trimble. Since ownership of the land described in the water permit has changed, the permit will need to be divided and reissued to reflect separate ownership. In order to do this, Ms. Trimble will need to file a "Notice of Transfer of Ownership" with our program for the land she now owns.

I am enclosing a partially completed transfer form for Ms. Trimble to complete. Please review the form and make any necessary corrections. Upon completion, please sign the form and return it to our office with a required filing fee of \$2.50. The check or money order for the fee can be made payable to the Water Rights Program.

Once the transfer form and filing fee are received back in our office, the water permit will be divided and reissued as follows:

- **1382A-1, G Eugene Johnson** – will authorize diversion of 0.65 cfs from two wells located in the S $\frac{1}{2}$ SW $\frac{1}{4}$ Section 27, T7N, R2E to irrigate 45.8 acres in the NW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 27, NE $\frac{1}{4}$ SE $\frac{1}{4}$ and SE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 28, T7N, R2E;
- **1382B-1, Jill M Trimble** – will authorize diversion of 0.54 cfs from two wells located in the S $\frac{1}{2}$ SW $\frac{1}{4}$ Section 27, T7N, R2E to irrigate 37.7 acres in the SW $\frac{1}{4}$ SW $\frac{1}{4}$ and NW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 27, T7N, R2E.

If either of you have questions concerning the transfer of ownership and subsequent division of the water permit into A & B numbers, please contact me at 605 773-3352.

Sincerely,

Genny McMath

Genny McMath
Environmental Scientist
Water Rights Program
email: genny.mcmath@state.sd.us

*Based on transfer of ownership
filed, the break down shown
above is incorrect.*

Genny

enclosures

ATTACHMENT TO WATER PERMIT NO. 1382-1

Water Permit No. 1382-1 authorizes diversion of 1.19 cubic feet of water per second (cfs) from ground water (two wells into the Minnelusa or Madison Aquifers) located in the S $\frac{1}{2}$ SW $\frac{1}{4}$ Section 27, T7N, R2E to irrigate 83.5 acres located in the W $\frac{1}{2}$ SW $\frac{1}{4}$ Section 27 and the E $\frac{1}{2}$ SE $\frac{1}{4}$ Section 28, T7N, R2E.

Based on an ownership change filed with the permit on June 20, 2008, Water Permit No. 1382-1 is being divided and reissued as follows:

Water Permit No. 1382A-1 – G Eugene Johnson, 635 Ramshead Place, Spearfish SD 57783 authorizes diversion of 0.85 cfs from ground water (two wells – Madison or Minnelusa Aquifers) located in the S $\frac{1}{2}$ SW $\frac{1}{4}$ Section 27, T7N, R2E to irrigate 59.5 acres located in the W $\frac{1}{2}$ SW $\frac{1}{4}$ Section 27 and the E $\frac{1}{2}$ SE $\frac{1}{4}$ Section 28, T7N, R2E; (*see chart below*)

Water Permit No. 1382B-1 – Jill M Trimble & Bradley E Bunch, 623 Ramshead Place, Spearfish SD 57783 authorizes diversion 0.34 cfs from ground water (two wells – Madison or Minnelusa Aquifers) located in the S $\frac{1}{2}$ SW $\frac{1}{4}$ Section 27, T7N, R2E to irrigate 24 acres in the SW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 27, T7N, R2E (*see chart below*).

Section 27, T7N, R2E	SW $\frac{1}{4}$ SW $\frac{1}{4}$	33.7 acres	24.0 acres: Jill Trimble & Bradley E Bunch 9.7 acres: G Eugene Johnson
	NW $\frac{1}{4}$ SW $\frac{1}{4}$	34.5 acres	G Eugene Johnson
Section 28, T7N, R2E	NE $\frac{1}{4}$ SE $\frac{1}{4}$	10.0 acres	G Eugene Johnson
	SE $\frac{1}{4}$ SE $\frac{1}{4}$	5.3 acres	G Eugene Johnson