

WATER PERMIT NO. 1716-1

Name of Applicant: William & Beverly Lore

Address: PO Box 94, Alliance NE 69301 Phone: 308 762-2735

Amount of Water Claimed: 0.044 cfs (20 gpm) Total Acres: NA

Source of Water Supply: groundwater

Water to be used for: commercial County: Meade

Type of Waste Disposal System: septic tank

Location: 1 northwest of Sturgis

PRIORITY Date Received: 3-30-2000 Fee: \$50

Corrected Application Received:: Period of Annual Use: January 1 – December 31

Remarks: for use at a campground

Diversion Point: NW ¼ NW ¼ Sec 5-T5N-R5E

Land to be Irrigated: NA

Depth of Well: 1200 feet deep

Well Driller: : Tysver Well Drilling

Remarks:

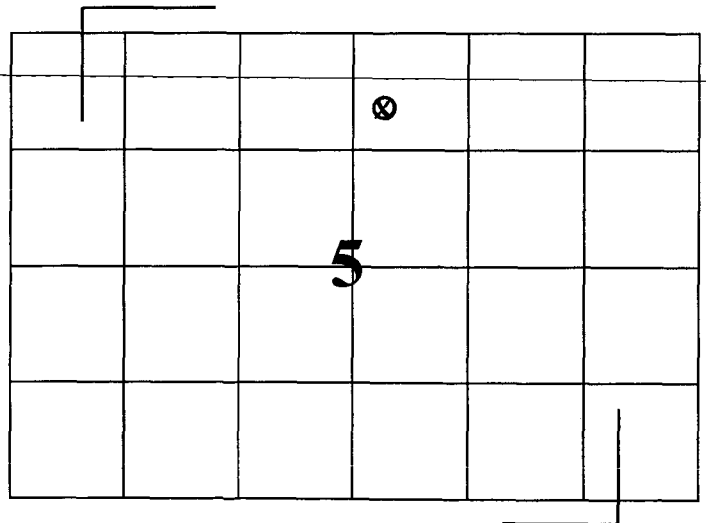
Type of Map: aerial

Prepared by: Marge Duprel, Meade Co. FSA

Reviewed and the Number Assigned on: 3-30-2000

By: Karen Schlaak

Notice of Hearing - date to intervene: _____



**SOUTH DAKOTA
WATER PERMIT NO. 1716-1**

Date of first receipt of application March 30, 2000.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 1716-1 to William & Beverly Lore, 5652 Valley Road, PO Box 94, Alliance NE 69301 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. 1716-1 to appropriate 0.044 cubic feet of water per second (20 gallons per minute) from one well (Minnelusa Formation) 1200 feet deep located in the NW ¼ NE ¼ (Lot 2) Section 5-T5N-R5E.
2. The water appropriated shall be used for the purpose of supplying water for commercial use and may not exceed the amount of water needed for beneficial use.
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. 1716-1 is May 15, 2000.
5. The date from which applicant may claim right is March 30, 2000.
6. One-fifth of the construction is to be completed on or before September 15, 2002.
7. All construction is to be completed on or before May 15, 2005.
8. Water is to be put to beneficial use on or before May 15, 2009.
9. 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: Garland Erbele
Garland Erbele, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

JUN 05 2000

date



FORM 2: Application for uses other than irrigation
(type or print)



Mail to: Water Rights Program Joe Foss Building 523 E. Capitol Pierre, SD 57501-3181 (605) 773-3352	(office use only) No. <u>1716-1</u> Hydrologic Unit <u>10/20202</u>
	Basin <u>Belle Fourche R.</u>
	Newspaper <u>Meade Co. Times-Tribune, Sturgis, SD</u>

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

Check use(s) of water:

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

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

Description of amendment/correction: (i.e. change diversion point(s), add diversion point(s), change use, etc.) _____

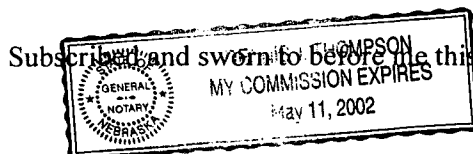
- Name of Applicant William & Beverly Lore Phone 308-762-2735
(check one) Owner Tenant/lessee
Mailing Address 5652 Valley Rd PO Box 94 Alliance State NE 68301
(Street, RR. or Box) (Zip Code)
- Amount of water claimed 0.044 *CFS or 20 **GPM ***AF
(*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout or annual use if applicable)
- Source of water supply Well
- Location of point of diversion (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W)
SW Corner 5/5/5 Lot #2 NW 1/4 NE 1/4
County Meade
- County or counties where water will be used Meade Jan 1 - Dec 31
- Annual period during which water is to be used year around starting 1999
- 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)

Camp Ground

STATE OF SOUTH DAKOTA)
County of Meade) SS

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)

I, William Lore, 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 William Lore
28 day of March 192000
D. J. Thompson
Notary Public

RECEIPT

Water Rights Program

South Dakota Department of Environment and Natural Resources

N^o 416454

Pierre, March 30 2000

RECEIVED OF William or Beverly Lore, Box 94, Alliance, NE 69301
the following amount in fees for services rendered as provided for by law:

Fee for Application for Permit No. 1776-1 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. 1776-1

50 00

Fee for Filing Transfer Form _____

Fee for Filing Extension Request _____

Fee for _____

(Any Other Work Provided by Law)

Total

100 00

By

Harland Erbe
Chief Engineer

SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

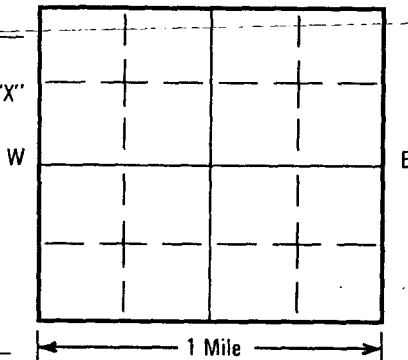
Location Lot 4 1/4 Sec 5 Twp 6 Rg 5

County

North

Mad

Please mark well location with an "X"



Well Completion Date

6-30-99

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? 150 ft. from septic tank (identify source).

PROPOSED USE:

- ☐ Domestic/Stock ☐ Municipal ☐ Business ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Institutional ☐ Monitoring well

METHOD OF DRILLING:

Forward RotaryCASING DATA: ☐ Steel ☒ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>250</u> LB/FT	<u>4 1/2</u> IN	<u>180</u> FT	<u>1000</u> FT	<u>6 3/4</u> IN
<u>250</u> LB/FT	<u>4 1/2</u> IN	<u>0</u> FT	<u>180</u> FT	<u>8</u> IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
<u>Neat Cement</u>	<u>120</u>	_____ lb./gal	<u>15</u> ft.	<u>1000</u> ft.
<u>Bentonite cements</u>	_____	_____ lb./gal	<u>0</u> ft.	<u>15</u> ft.

Describe grouting procedure Pumped Cement
Through casingSCREEN: ☐ Perforated pipe ☐ Manufactured

Diameter _____ IN Length _____ FEET

Material _____

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? _____

DISINFECTION: Was well disinfected upon completion?

☒ YES, How:Chlorine_____
NO, Why Not?Laboratory sent to for water
quality analysis _____Well Owner: William Lore

Business Name: _____

Address: Box 94Alliance Ne 69801

WELL LOG:

DEPTH

FORMATION	FROM	TO
Shale	0	680
Lime Stone	680	717
Shale Rock	717	1010
Sand	1010	1023
Rock	1023	1098
Sand	1098	1130
Sand	1130	1195
Rock	1195	1200

STATIC WATER LEVEL

180

Feet

If flowing: closed in pressure _____

PSI

GPM flow _____ through _____

inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced Flowrate _____

GPM

Can well be completely shut in? _____

WELL TEST DATA:

☒ PumpedDescribe: pumped 24 hrs☒ Bailed☐ Other _____

Pumping Level Below Land Surface

300ft. After 24

Hrs. pumped

20

GPM

ft. After _____

Hrs. pumped _____

If pump installed, pump rate _____

100

GPM

REMARKS

This well was drilled under license # 183 507

And this report is true and accurate.

Drilling firm

Tysner Well Drilling

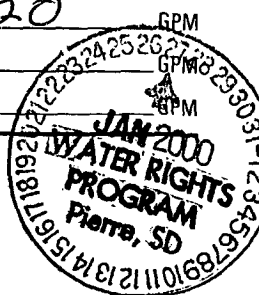
Signature of License Representative:

Wendy Tysner

Signature of Well Owner or Equitable Property Holder:

W. Lore

Date:

7-5-99

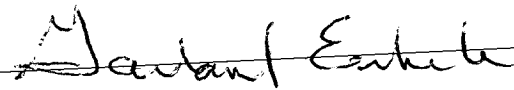
**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 1716-1, William & Beverly Lore**

Pursuant to SDCL 46-2A-2, the following is the recommendation of the Chief Engineer, Water Rights Program, Department of Environment and Natural Resources concerning Water Permit Application No. 1716-1, William and Beverly Lore, PO Box 94, Alliance NE 69301.

The Chief Engineer is recommending APPROVAL of Application No. 1716-1 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) it is 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.



Garland Erbele, Chief Engineer
April 18, 2000

WATER PERMIT APPLICATION NO. 1716-1
WILLIAM & BEVERLY LORE
APRIL 3, 2000

Water Permit Application No. 1716-1 proposes to appropriate 0.044 cubic feet of water per second (20 gallons per minute) from one well (Minnelusa aquifer) 1200 feet deep located in the NW¼ NE¼ Section 5, T5N-R5E. The water is to be used for commercial use at a campground.

AQUIFER: Minnelusa (MNLS)

GENERAL:

The Minnelusa aquifer is an assemblage of alternating beds of sandstone and dolomitic limestone with lesser amounts of red and black shale and chert approximately 500 feet thick in this area (Water Rights, 2000). 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 porosity's approaching 25%, but generally the sands have porosity's of 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 2,172,800 acres of Meade County and contains an estimated 81,480,000 acre-feet of recoverable water in storage (Allen, 1984). The aquifer is areally extensive around the Black Hills and is hydraulically connected into the counties surrounding Meade County. Ground water movement is probably toward the north and east. There is no aquifer-test data available for the Minnelusa aquifer at this site; therefore, the aquifer transmissivity and storage coefficient values are unknown. Estimates from regional studies of the aquifer indicate the aquifer transmissivity may range from 30 to 1000 ft²/d, and the storage coefficient ranges from 6.6×10^{-5} to 2×10^{-4} (Kyllonen, 1987). The top of the Minnelusa is estimated to be approximately 820 feet below ground surface from the completion report filed with this application. The static water level of the well was reported to be 180 feet below grade June 1999.

WATER AVAILABILITY:

The Water Rights Program monitors 23 observation wells completed into the Minnelusa aquifer in the Black Hills area. Water Rights Observation Well, LA-86C, is located approximately 1 mile west of this well site. The hydrograph for the well (see figure 1), is fairly typical for the Minnelusa aquifer. That is, the water levels reach their peak in the early summer each year and gradually decline until spring. The majority of the recharge to the system occurs between March and July.

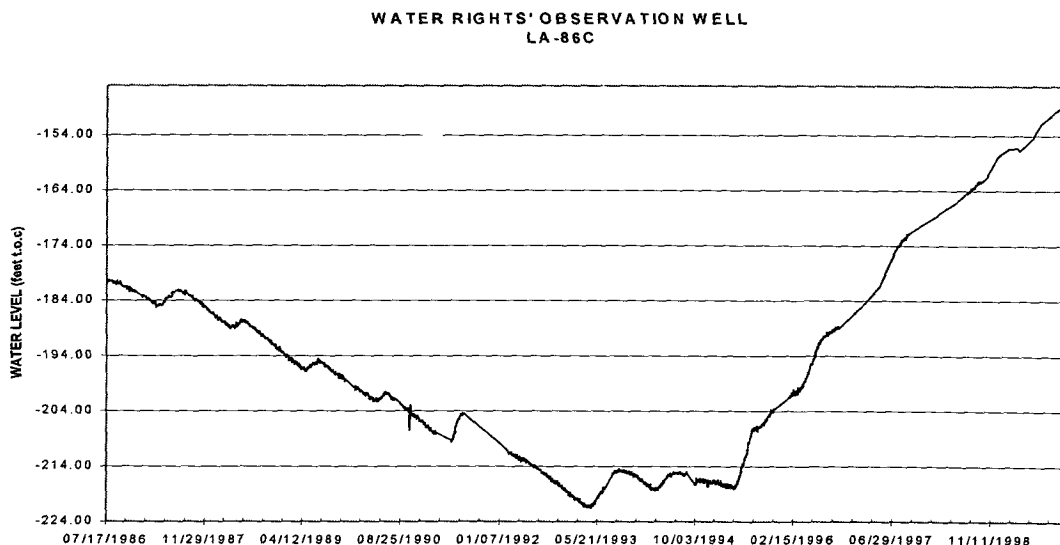


Figure 1. Minnelusa Aquifer Observation Well, two miles west of 1716-1

The hydrograph also shows the magnitude of fluctuation in the water levels in the area (>72') with the lowest water level on record occurring in 1993 and the highest occurring at the last measurement (2/23/00). It is interesting to note that on October 14, 1990, the Minnelusa aquifer was essentially "pumped" at a rate of 150 gpm just 20' away from this well during the drilling of a Madison observation well. As can be seen in figure 1, the pumping resulted in about three feet of drawdown in this well. It is also interesting to note from this hydrograph the increased amount of recharge to the aquifer since the mid 1990's, at least relative to the first part of this record.

It is obvious from the Water Rights' Observation Well hydrographs that withdrawals have not exceeded recharge for the period of record. The observation well data suggest that at the existing level of development, the aquifer is capable of sustaining additional withdrawals.

AFFECTS ON EXISTING RIGHTS:

There are 161 Water Rights/Permits that appropriate water from the aquifer in South Dakota. There are 48 permits/rights appropriating water from the Minnelusa aquifer in Meade County (Water Rights, 2000), where the aquifer is used primarily for suburban housing development, commercial, municipal and irrigation use. There are a number of domestic wells completed into the Minnelusa aquifer on file with the Water Rights Program (Water Rights, 2000).

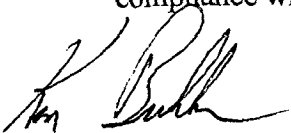
There are seven Water Rights/Permits appropriating water from the Minnelusa aquifer within approximately one mile of this existing well. They include:

Permit No	Owner	cfs
1062-1	Sturgis Municipal Utility Board	0.27
1349-1	Warren Mann	0.10
1558-1	Leo Bestgen	0.05
1318-1	Gerald Baldwin	0.10
1351-1	Molly B's Truckstop	0.10
1396-1	City of Sturgis	0.50
1705-1	Sturgis Water Dept.	0.28

The nearest appropriation, Water Permit No. 1558-1, Leo Bestgen, is located approximately one half mile southwest of this well. The distance to other diversions and the relatively small rate requested by this application will minimize the impact of this withdrawal to area wells. Adverse impacts are not expected from this diversion.

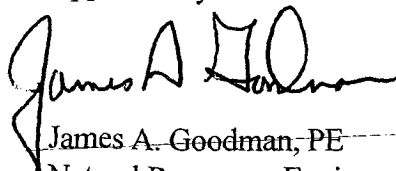
CONCLUSIONS:

1. The Minnelusa aquifer is a viable aquifer in this area, and water is available for this appropriation.
2. The Minnelusa is under artesian conditions and drawdown due to this diversion can be expected. This drawdown is not expected to adversely affect adequate wells in the area.
3. The Completion Report submitted with this application indicates the existing well has been constructed in compliance with the SD Well Construction Standards.



Ken Buhler
Natural Resources Engineer

Approved by


James A. Goodman, PE
Natural Resources Engineer

REFERENCES:

Allen, J.C., D.Iles, A.Petres, 1984, Analysis of Groundwater and Streamflow Data, Western Dakotas Region of South Dakota, Task 3 & 4: Groundwater Resources Inventory, US Army Corps of Engineers Contract DAWC 45-82-C-015, SD DENR-Division of Geological Survey, Vermillion SD

Kyllonen, D.P., K. Peter, 1987, GeoHydrology and Water Quality of the Inyan Kara, Minnelusa, and Madison Aquifers of the Northern Black Hills, South Dakota and Wyoming, and Bear Lodge Mountains, Wyoming, U.S. Geological Survey, Water Resources Investigations Report 86-4158, Rapid City, SD

Rahn, P.H., 1979, Ground Water Resources of Western South Dakota, US Army Corps of Engineers, Draft Report-Final

Water Rights Program₁, 1999, "Domestic Well Log Files" DENR-Water Rights Program, Joe Foss Building, Pierre, SD

Water Rights Program₂, 2000, "Observation Well Files" DENR-Water Rights Program, Joe Foss Building, Pierre, SD

~~Water Rights Program₃, 2000, "Water Permit Files" DENR-Water Rights Program, Joe Foss Building, Pierre, SD~~



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3181
www.state.sd.us/denr

April 19, 2000

William and Beverly Lore
P.O. Box 94
Alliance, NE 69301

Dear Mr. and Ms. Lore:

Enclosed, please find a copy of the Recommendation of Chief Engineer for your Water Permit Application. A copy of this Recommendation was to be sent to you with the other enclosures sent in our letter to you dated April 18, 2000, but it was inadvertently omitted. I apologize for any inconvenience this may have caused you.

Sincerely,

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

enclosure



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3181
www.state.sd.us/denr

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

April 18, 2000

William & Beverly Lore
P.O. Box 94
Alliance, NE 69301

Dear Mr. and Ms. Lore:

Water Permit Application No. 1716-1 for commercial 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 Meade Co. Times-Tribune printed at Sturgis, SD (Ph # (605) 347-2503). 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.



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3181
www.state.sd.us/denr

April 18, 2000

Meade Co. Times-Tribune
Box 69
Sturgis, SD 57785-0069

ATTENTION: Legal Public Notice

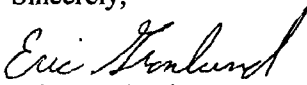
Enclosed is a Notice of Hearing on Application No. 1716-1 to Appropriate Water to be published twice. Please publish the first notice on April 26, 2000, with the second publication 7 days later.

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 are William & Beverly Lore, P.O. Box 94, Alliance, NE 69301 (Ph # (308) 762-2735).

Please send the Water Rights Program the first publication immediately. The publication is checked for accuracy so any corrections can be made in the second publication. You may use the form below or fax a copy of the first publication. Any fax should be sent to the attention of Karen Schlaak at (605) 773-4068. Publication errors can invalidate the public notice.

After the second publication, ~~please send us an affidavit or use the enclosed Proof of Publication form.~~ The applicant pays the cost of publication, but the Water Rights Program records require an affidavit or Proof of Publication. Delays in receiving the affidavit can be costly to the applicant.

Sincerely,


Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures

-----CU T HERE-----

No. 1716-1

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

Date _____

We are in receipt of your letter of April 18, 2000, enclosing Notice of Hearing to Appropriate Water by Application No. 1716-1 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 April 26, 2000, with the second publication 7 days later. The applicant is responsible for payment.

NOTICE OF APPLICATION NO. 1716-1 to Appropriate Water

Notice is given that William & Beverly Lore, PO Box 94, Alliance NE 69301 has filed an application for a water permit to appropriate 0.044 cubic feet of water per second (20 gallons per minute) from one well (Minnelusa formation) 1200 feet deep located in the NW $\frac{1}{4}$ NE $\frac{1}{4}$ (Lot 2) Section 5-T5N-R5E. The water is for commercial use at a campground.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 1716-1 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. In accordance with SDCL 46-2A-23, the Chief Engineer will act on the application, as recommended, unless a petition is filed opposing the application or the applicant files a petition contesting the Chief Engineer's recommendation. If a petition opposing the application or contesting the recommendation is filed, then a hearing will be scheduled and the Water Management Board will consider the application. Notice of the hearing will be given to the applicant and any person filing a petition.

Any person interested in opposing or supporting this application or recommendation must file a written petition with BOTH the applicant and Chief Engineer. The applicant must file a petition if contesting the Chief Engineer's recommendation. The Chief Engineer's address is "Water Rights Program, 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 15, 2000.

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. Contact Eric Gronlund at the above Water Rights Program address to request copies of information pertaining to this application. Nettie H. Myers, Secretary, Department of Environment and Natural Resources.

Form 8



PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County of Meade) SS

I, Joan Lewis

certify that the attached printed Notice was taken

from the Meade County
Times

printed and published in Sturgis
County of Meade and

state of South Dakota. The notice was published

in the newspaper on the following two dates:

April 26, 2000
May 3, 2000

Cost of Printing \$36.97

Joan M. Lewis
(Signature)

Bookkeeper
(Title)

5-10-00
(Date Signed)



Water application

NOTICE OF APPLICATION NO. 1716-1 to Appropriate Water

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Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 1716-1 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. In accordance with SDCL 46-2A-23, the Chief Engineer will act on the application, as recommended, unless a petition is filed opposing the application or the applicant files a petition contesting the Chief Engineer's recommendation. If

a petition opposing the application or contesting the recommendation is filed, then a hearing will be scheduled and the Water Management Board will consider the application. Notice of the hearing will be given to the applicant and any person filing a petition.

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Publ April 26 and May 3, 2000
Meade County Times-Tribune



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

JUN 05 2000

William and Beverly Lore
P.O. Box 94
Alliance, NE 69301

Dear Mr. and Ms. Lore:

Enclosed is Water Permit No. 1716-1 authorizing construction of your water diversion system and beneficial use of the water, not exceeding the limits as specified in the Water Permit.

Form 10, *Notice of Completion of Works and Application of Water to Beneficial Use*, is enclosed. Please return this completed form after you have finished the system and have put the water to beneficial use. An investigation can then be scheduled so the water license may be issued, thus completing the acquisition of a water right.

An informational sheet *Common Water Right Questions?* is also enclosed. This sheet is intended to answer some of the questions associated with obtaining and keeping a water right.

Sincerely,

Garland Erbele, Chief Engineer
Water Rights Program
(605) 773-3352

enclosures

Permit No. 1716-1
Belle Fourche 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, May 13, 2003, made a thorough examination of the water use system constructed by William and Beverly Lore of PO Box 94, Alliance NE 69301 holder of Permit No. 1716-1, bearing the priority of March 30, 2000 authorizing the diversion of 0.044 cu. ft. per second of the waters of ground water (Minnelusa formation) for commercial purposes, in Meade County.

Inspection contact & relationship to permit holder, if applicable: **William Lore**

A. Works used to divert the water:

Well Information:

- 1) Well Drilling Firm: Tysver Well Drilling
- 2) No. of Wells 1
- 3) Depth(s) 1,200 feet
- 4) Well log is available Y

Casing:

- 1) Diameter 4.5 inches
- 2) Length 1,000 feet
- 3) Type Plastic

Screen:

- 1) Type not applicable

Motor/Pump:

- 1) Make submersible
- 2) Size 3 hp
- 3) Capacity 20 GPM

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

Water is diverted to 6 storage tanks with a total volume of 9,000 gallons. Water is used in a kitchen, showers/bathrooms and supplies approximately 100 RV hookups.

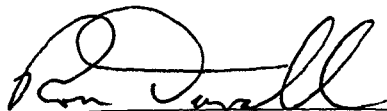
C. Compliance with Permit Requirements:

- 1) Permit qualifications being abided by Y
- 2) Exceptions to compliance are: none

The system is in good condition with the point of diversion located as follows: Well: 860 feet S and 2,050 feet W from the NE corner section 5-T5N-R5E (NW¼NE¼ -- Latitude 44.42849, Longitude -103.5369). The works are capable of diverting and conveying to the place of use 0.044 cu. ft. per second of water which is to be used for commercial purposes. Water has been put to beneficial use to the maximum and the license should be issued for 0.044 cfs.

All structures, wells and lands on map Y

Comments or other permit(s) associated with the project: none



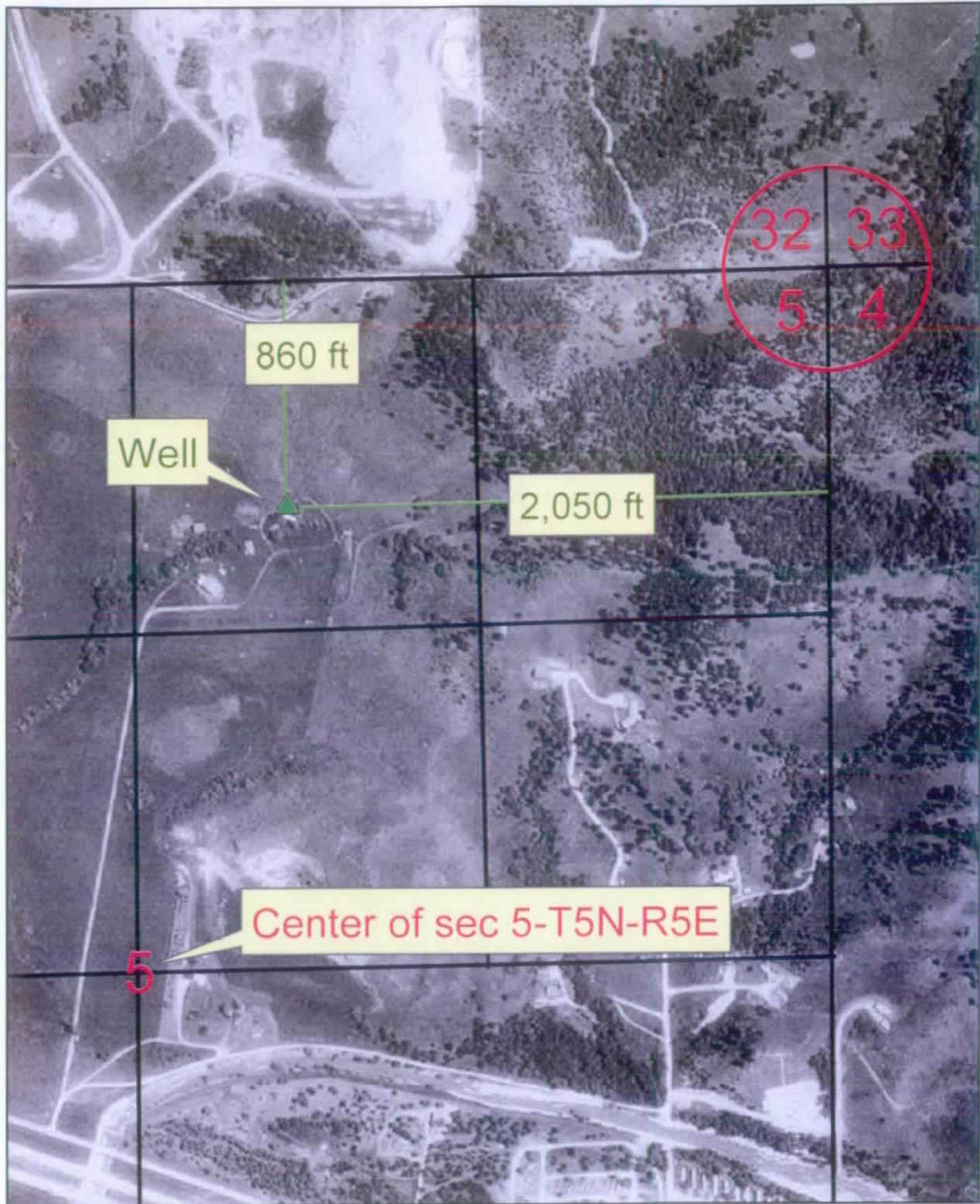
Ron Duvall
Natural Resources Engineer
DENR, Water Rights Program

Date report completed: September 15, 2003

Scale: 1 inch equals 568 feet

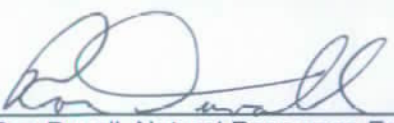
800

Feet



South Dakota
Department of Environment
& Natural Resources
Water Rights

Completed by:


Ron Duvall, Natural Resources Engineer
Water Rights Program

Diversion point(s) located using GeoExplorer II GPS

Date: Sept 5, 2003

Water Right No. 1716-1

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 1716-1

(1) William and Beverly Lore, PO Box 94, Alliance, NE 69301 made Application No. 1716-1, March 30, 2000 for a water permit to divert 0.044 cubic feet of water per second (20 gpm) from ground water – one well (Minnelusa Formation), Meade County, South Dakota for commercial purposes. Permit No. 1716-1, with a priority date of March 30, 2000 was approved May 15, 2000 and issued to the applicants for diversion of water with construction of the described water supply system to be completed on or before May 15, 2005 and for the application to beneficial use of water on or before May 15, 2009.

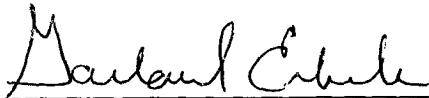
(2) The water supply system has been completed and water applied to beneficial use in accordance with South Dakota State Law. Pursuant to South Dakota Codified Law 46-5-30.1, William and Beverly Lore the holders and/or owners of Water Right No. 1716-1 are issued a license, bearing a priority date of March 30, 2000, to appropriate 0.044 cubic feet of water per second from ground water (one well – Minnelusa Formation) for commercial purposes.

The diversion point is located:

- 860 feet south and 2,050 feet west of the NE corner of Section 5, T5N, R5E (NW ¼ NE ¼).

(3) This license is subject to South Dakota Water Law, any limitations or conditions listed in Water Permit No. 1716-1 including 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.



Garland Erbele, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

OCT 10 2003

date





**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

OCT 10 2003

1716-1

William & Beverly Lore
PO Box 94
Alliance NE 69301-0094

Dear Mr. & Mrs. Lore:

Enclosed is Water License No. 1716-1. This is the final water right document completing your process of obtaining a Water Right. Included with your license is a map prepared by the staff engineer who conducted the field investigation. You may keep this for your records.

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. 1716-1, 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.

Sincerely,

Garland Erbele, Chief Engineer
Water Rights Program
(605) 773-3352

Enclosures