

WATER PERMIT NO. 1822-1

Name of Applicant: Jake's Camper Sales

Address: c/o Doug Veldheer, PO Box 944, Mitchell SD 57301

Phone: 605 996-3268

Amount of Water Claimed: 0.067 cfs

Total Acres: NA

Source of Water Supply: groundwater (one well)

Water to be used for: commercial

County: Meade

Type of Waste Disposal System:

Location: 2 miles northwest of Piedmont along I-90

PRIORITY

Date Received: 4-26-04

Application/License Fee: \$100

Corrected Application Received: 4-30-04

Period of Annual Use: Jan 1- Dec 31

Remarks:

Diversion Point: SE ¼ NE ¼ Sec 32-T4N-R6E

Land to be Irrigated:

Depth of Well: approximately 500 feet

Well Driller: :

Remarks:

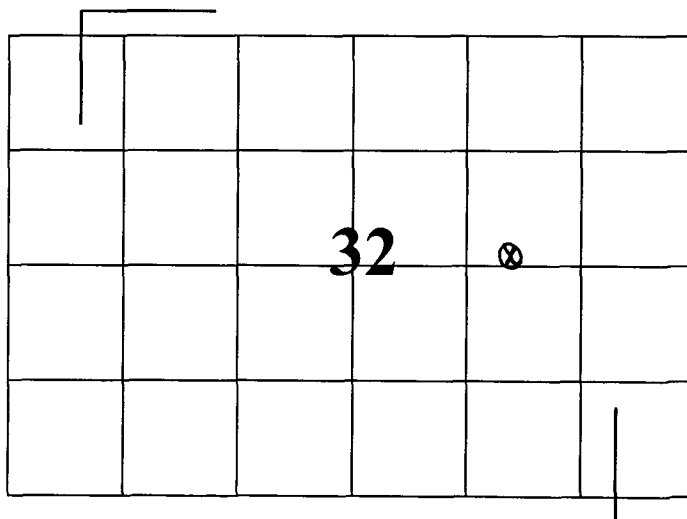
Type of Map: topo

Prepared by: Allan M Schreier, PE

Reviewed and the Number Assigned on: 5-3-04

By: Karen Schlaak

Notice of Hearing - date to intervene: _____



SD EForm - 1585 V1
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	No. <u>1822-1</u>	(office use only) Hydrologic Unit <u>10120111</u>
	Basin <u>Upper Cheyenne</u>	
	Newspaper <u>Meade Co. Times-Tribune Sturgis</u>	

RECEIVED
APR 26 2004
WATER RIGHTS
PROGRAM

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 _____ | |

Type of Application: (check one)

- ☒ New ☐ Vested Right (Use predates Mar 2, 1955) ☐ Future Use Reservation
☐ Place 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 Doug Veldheer, Jack' Camper Sales Phone (605) 996-3268
(check one) ☒ Owner ☐ Tenant/lessee
Mailing Address PO Box 944 Mitchell State SD 57301
(Street, RR, or Box and City) (Zip Code)
- Amount of water claimed 0.067 *CFS or 30 **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 Minnelusa
- Location of point of diversion (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W) County Meade
1 well in the SE1/4 of the NW1/4, Section 32, T4N, R6E, BHM, meade County, SD
NE1/4,
- County or counties where water will be used Meade
- Annual period during which water is to be used year around Jan 1 - Dec 31
- 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)

The proposed project is to construct a 25,572 Sales and Service building, a 56' by 48' outbuilding and shop, and 8 full service camper sites. A 6.5 acre gravel surfaced display area will also be constructed with the building. The campground will have also have gravel surfaced access and circulation roads

STATE OF MINNESOTA

County of Murray

I, Allan Schreier

, 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.

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)

Applicant's signature Allan Schreier

Subscribed and sworn to before me this 23 day of April 20 04



Dorothy Marie Jensen
Notary Public signature

**SOUTH DAKOTA
WATER PERMIT NO. 1822-1**

Date of first receipt of application April 26, 2004.

Date of return to applicant for corrections, amendments or changes April 27, 2004.

Date of receipt of corrected application May 3, 2004.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 1822-1 to Jack's Camper Sales, c/o Doug Veldheer, PO Box 944, Mitchell SD 57301 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. 1822-1 appropriates 0.067 cubic feet of water per second (30 gallons per minute) from one well (Minnelusa Formation) approximately 500 feet deep located in the SE ¼ NE ¼ Section 32-T4N-R6E.
2. The water appropriated shall be used for the purpose of 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. 1822-1 is July 26, 2004.
5. The date from which applicant may claim right is April 26, 2004.
6. One-fifth of the construction is to be completed on or before January 26, 2007.
7. All construction is to be completed on or before July 26, 2009.
8. Water is to be put to beneficial use on or before July 26, 2013.
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

AUG 16 2004

date



Supplemental Information

(Complete applicable portions only)

(type or print in ink)

1. Well Information - Proposed Construction

- a) Drill Hole Diameter 6" Depth 500' ±
- b) Casing Type Steel Diameter 5" Thickness 1/4"
- c) Screen Type Open hole Diameter _____ Thickness _____
- d) Gravel Pack _____ Length of Gravel Pack _____
- e) Depth to Top of Water Bearing Material _____
- f) Depth to Water (ground surface to water level) _____
- g) Distance to nearest existing domestic well:
- On applicants property NIA On property owned by others more than 1000'

2. Wastewater Disposal System Information

- a) Type of System (i.e. septic tank, drain field) Septic tank + drain field
- b) System Capacity (gallons) 2500 gpd Year Constructed 2004
- c) Connected to the City of NIA Sanitary System

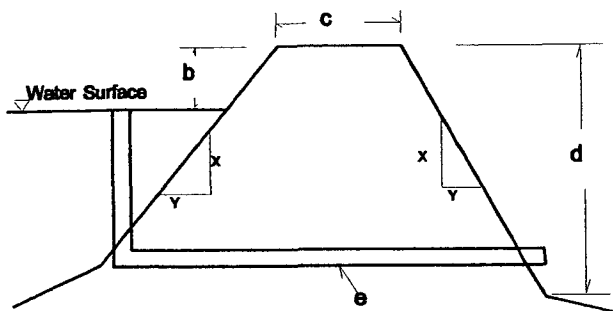
3. Dugout Information

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

4. Water Storage Dams

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

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



- b) Freeboard _____
- c) Crest Width _____
Crest Length _____
- d) Height _____
- e) Primary Outlet Capacity _____
If pipe, diameter _____
- f) Secondary Spillway Capacity _____
Spillway Width _____
- g) X & Y Slope _____
Upstream _____
Downstream _____
- h) Surface Area of Impoundment _____
- i) Storage _____ Acre Feet
- j) Drainage Area Above Dam _____ Acres

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date May 3, 2004

RECEIVED OF Allan Schreier, 11160 Snoma Road, Belle Fourche SD 58817

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

Fee for Application for Permit No. <u>1822-1</u> to Appropriate Water, to construct and to put water to beneficial use	50	00
Fee for Application for Permit No. _____ to Appropriate Water for Future use		
Fee to retain Future Use Permit No. _____ after period of seven years.		
Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water License No. <u>18224</u>	50	00
Fee for Filing Transfer Form _____		
Fee for _____		
Fee for Issuing New Well Driller's License No. _____ for C.Y. _____		
Fee for Renewal of Well Driller's License No. _____ for C.Y. _____		
Fee for Issuing Well Pump Installer's License No. _____ for C.Y. _____		
Fee for Renewal of Well Pump Installer's License No. _____ for C.Y. _____		
(Any Other Work Provided by Law)	TOTAL	100.00

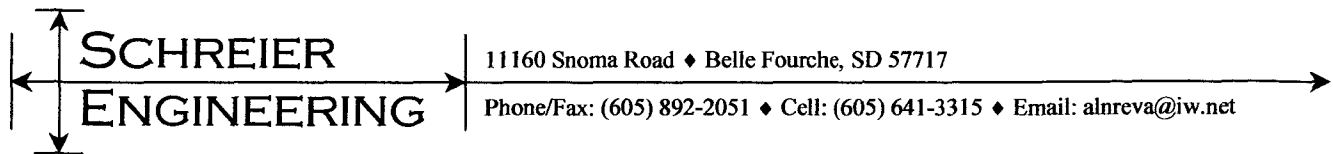
No.

By

Darlene C. White

Chief Engineer

gm



April 16, 2004

Mr. Eric Gronlund
Water Rights Program
Joe Foss Building
523 East Capitol
Pierre, SD 57501-3181

RECEIVED

APR 26 2004

WATER RIGHTS
PROGRAM

RE: Water Right Application
Jack's Camper Sales, Piedmont, SD

Dear Mr. Gronlund,

Please find a permit application for a water right for the above referenced project. Since the well is proposed to below the Greenhorn, we are providing the estimated depth and casing size at this time.

Please find a check in the amount of \$150.00 for the permit fee.

If there are any questions, please contact this office.

Sincerely,

A handwritten signature in black ink, appearing to read "Allan Schreier PE".

Allan Schreier, PE
Schreier Engineering

cc: Doug Veldheer- Jacks Campers
Frank Conway - Bice Drilling



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

April 27, 2004

Allan Schreier, PE
Schreier Engineering
11160 Snoma Rd
Belle Fourche SD 57717

RE: Jack's Camper Sales

Dear Mr. Schreier:

Thank you for submitting the *Application for a Permit to Appropriate Water* for Jack's Camper Sales. In order to complete the application the following is required.

- The \$150 application filing fee is being returned. The fee for this application is \$100.
- The map is being returned for your signature.

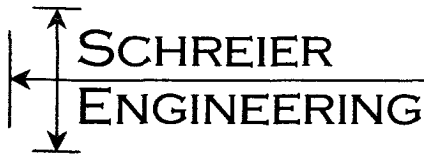
If you have any questions, please contact me.

Sincerely,

Karen Schlaak

Karen Schlaak
Water Rights Program
605 773-3352

enclosure



11160 Snoma Road ♦ Belle Fourche, SD 57717

Phone/Fax: (605) 892-2051 ♦ Cell: (605) 641-3315 ♦ Email: alnreva@iw.net

April 28, 2004

Ms. Karen Schlaak
Water Rights Program
Joe Foss Building
523 East Capitol
Pierre, SD 57501-3181

RECEIVED
APR 30 2004
WATER RIGHTS
PROGRAM

RE: Water Right Application
Jack's Camper Sales, Piedmont, SD

Dear Ms. Schlaak,

I have received your letter of April 27th, 2004 and am enclosing a new check in the amount of \$100.00 for the water right application and have signed the location maps for the proposed well. If there are any more questions, please contact this office.

Sincerely,


Allan Schreier, PE
Schreier Engineering

Water Rights Program - File Documentation

NAME: Allen Schreier, Scchreier Engineering

ADDRESS: Belle Fourche SD

DATE: 5-5-04 **COUNTY:** MD **TELEPHONE:** 605 996-3268

RE: Correction of well location

COMMENTS:

Allen Schreier called and confirmed that the location of the well on the application was incorrect. The correct location is the **SE ¼ NE ¼ Section 32-T4N-R6E**. The map has the right location.

I told Mr. Schreier that I would make that change on the application. Mr. Schreier stated he would like copies of the publication information.



Karen Schlaak
Environmental Scientist



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

May 14, 2004

Doug Veldheer
Jack's Camper Sales
PO Box 944
Mitchell, SD 57301

Dear Mr. Veldheer:

As requested, pursuant to South Dakota Well Construction Standard 74:02:04:21 you are authorized to construct a test well for your facility. The well will be located in the SE $\frac{1}{4}$ NE $\frac{1}{4}$ of section 32, T4N R6E in Meade County and completed into the Minnelusa Formation. The well will be approximately 500 feet in depth. This well must be drilled in accordance with SD Well Construction Standards. Any wells or test holes that are abandoned must be plugged pursuant to the SD Well Construction Standards.

A South Dakota Water Permit must be obtained before water from this well can be used for this facility. Approval of this test well does not assure issuance of a water permit. Following review of a Water Permit Application (which is filed with our office and has been given a number of 1822-1) and assessing the availability of water, the potential impacts to existing users, the beneficial use, and the public interest of a permit, the Chief Engineer will make a recommendation to the Water Management Board regarding the application. The recommendation to approve, deny or defer the application will be publicly noticed and an opportunity afforded for the public to intervene. A public hearing may be required to consider the water permit application.

Sincerely,

James A Goodman, PE
Natural Resources Engineer
For Garland Erbele, Chief Engineer
Water Rights Program
(605) 773-3352

WATER PERMIT APPLICATION NO. 1822-1
JACK'S CAMPER SALES
JUNE 30, 2004

Water Permit Application No.1822-1 proposes to appropriate 0.067 cubic feet of water per second (30 gallons per minute) from one well completed into the Minnelusa aquifer (approximately 500 feet deep) located in the SE¼ NE¼ Sec. 32, T4N-R6E, Meade County. The water is to be used for commercial use.

AQUIFER: Minnelusa aquifer (MNLS)

GENERAL:

The Minnelusa Formation consists of alternating beds of sandstone and dolomitic limestone with lesser amounts of shale and chert, approximately 500 feet thick in this area (Carter and Redden, 1999a; Carter and Redden, 1999b). The Minnelusa Formation outcrops about one mile west of this site (Strobel and others, 1999) and the top of the formation is expected to be approximately 250 feet below grade at this site (Carter and Redden, 1999a;). The porous portions of the formation form the Minnelusa aquifer. 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 virtually all of western South Dakota and the Minnelusa aquifer contains over 755 million acre-feet of recoverable water in storage (Allen and others, 1984). The Minnelusa aquifer underlies approximately 2,172,800 acres of Meade County and contains an estimated 81,480,000 acre-feet of recoverable water in storage in the county (Allen and others, 1984). Ground water movement in the aquifer is probably toward the north and east (Strobel, and others, 2000). The water quality of the aquifer is generally good near the outcrop but deteriorates considerably with distance from the recharge area. Estimates from regional studies of the aquifer indicate the aquifer transmissivity may range from .86 to 12,000 ft²/d, and the storage coefficient ranges from 0.003 to 5x10⁻⁹ (Driscoll, and others, 2002).

WATER AVAILABILITY:

The availability of unappropriated water from an aquifer can be evaluated by considering SDCL 46-6-3.1. This statute requires that an application to appropriate groundwater can not be approved if, according to the best information reasonably available, it is probable that the quantity of water withdrawn annually from a groundwater source will exceed the quantity of average estimated annual recharge.

Recharge to the Minnelusa aquifer is primarily from infiltration of precipitation on the outcrop and stream flow losses. Average annual recharge from 1931-1998 is estimated to be approximately 112,000 acre-feet per year (Carter and others, 2001a).

There are a total of 186 appropriations from the Minnelusa aquifer in South Dakota, and two Future Use Reservations (Water Rights, 2004c). The aquifer is used primarily for domestic, commercial, municipal, suburban housing and irrigation uses. There are 63 permits/rights

appropriating water from the Minnelusa aquifer in Meade County (Water Rights, 2004c). In addition to appropriative rights, there are a number of domestic wells completed into the Minnelusa aquifer on file with the Water Rights Program (Water Rights, 2004a). The Future Use Permits (No. 902-1 and 969-1) reserve 1,460 acre-feet annually. Water permits and rights represent appropriations up to 10,802.7 acre-feet annually for irrigation use (Water Rights, 2002) and a combined diversion rate of 32.142 cfs for non-irrigation uses (Water Rights, 2004c). Maximum well withdrawals from the Minnelusa aquifer, assuming (1) that permits/rights with an annual withdrawal limitation (ac-ft/yr.) will use the maximum allowable; and (2) permits/rights that are limited by a diversion rate only, will use 60% of the maximum allowable (considered reasonable for water distribution systems); would be approximately 25,000 acre-feet per year. The actual amount of water used from the aquifer is considerably less than this estimate. Withdrawals from wells (domestic and appropriative) completed into the Minnelusa aquifer were estimated to be 8,108 acre-feet annually from 1987-1996 (Carter and others, 2001b).

Comparison of annual recharge estimates and estimated annual well withdrawals show that well withdrawals from the Minnelusa are only a fraction of estimated average annual recharge. Therefore, based on a simple water budget, it is clear that unappropriated water is available for this appropriation.

The best information available to evaluate development as it relates to recharge, is historical records and data from observation wells. The difference between withdrawal from an aquifer and recharge is reflected by the water level of the aquifer. If the water level of an aquifer continues to decline, it may suggest that withdrawals exceed recharge. The Water Rights Program monitors 23 observation wells completed into the Minnelusa aquifer in the Black Hills area (Water Rights, 2004b). Water Rights' Observation Well MD-84A is located approximately three miles southeast of this well site and Observation Well MD-84B is located approximately three miles northwest of this site. The hydrographs for these wells (figures 1, & 2), are 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.

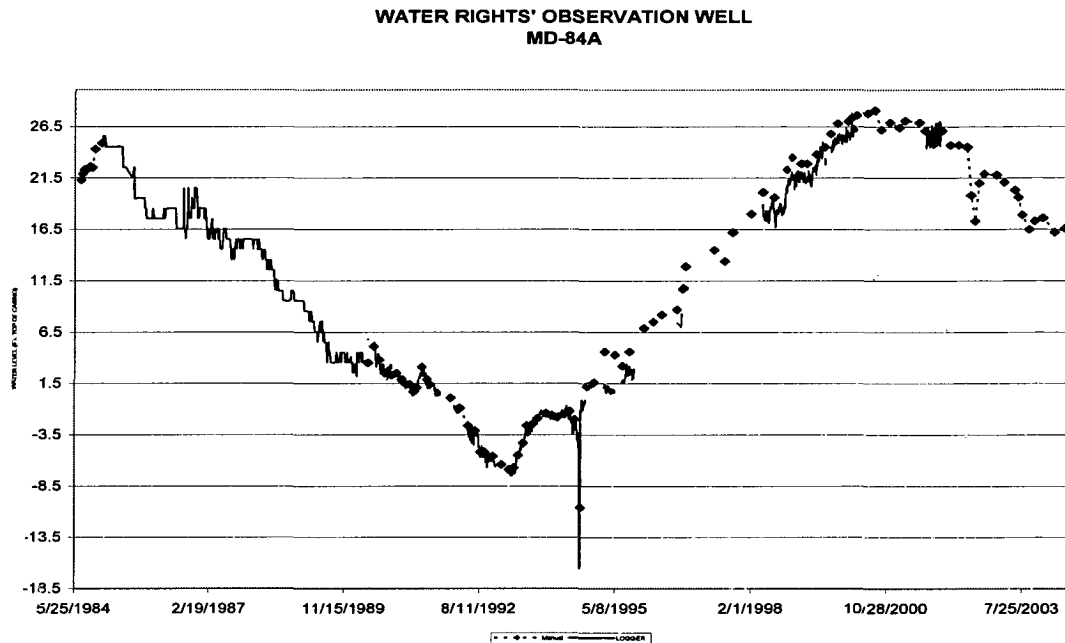


Figure 1. Hydrograph of Water Rights' Minnelusa aquifer Observation Well approximately three miles southeast of 1822-1.

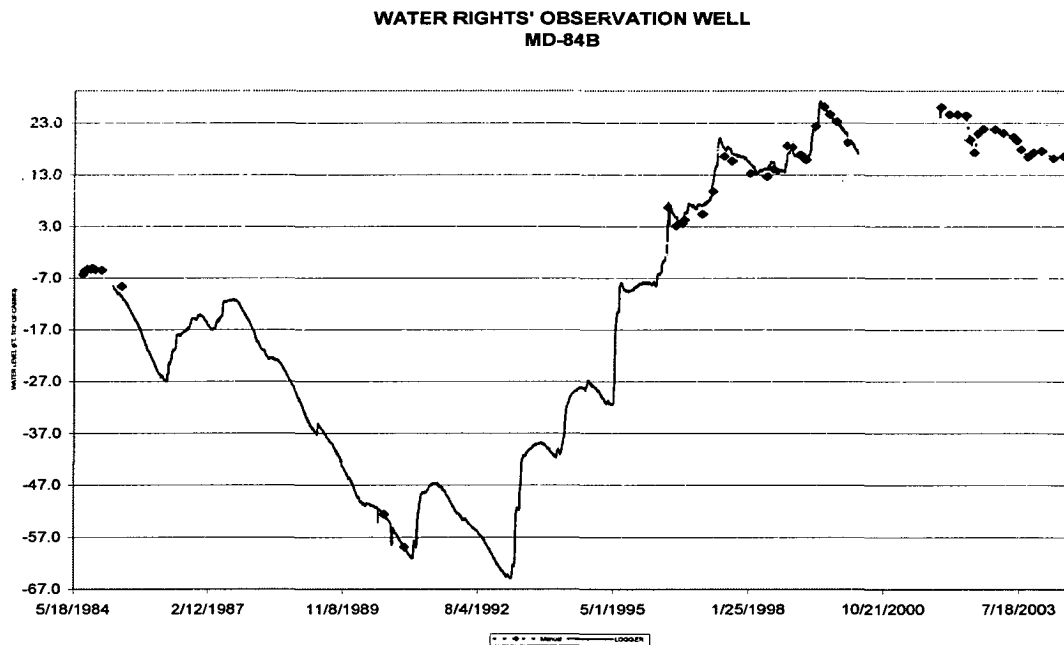


Figure 2. Hydrograph of Water Rights' Minnelusa aquifer Observation Well approximately three miles northwest of 1822-1.

The hydrographs also shows the magnitude of fluctuation in the water levels in the area ($\cong 9'$ in MD-84B, $\cong 35'$ in MD-84A) with the lowest water levels of record occurring in the early 1990's and the highest occurring in 1999 or 2000. It is noteworthy that the water level decline documented on the hydrograph for MD-84A that occurred in 1994 is the result of

essentially pumping the Minnelusa aquifer at a rate of several hundred gallons per minute about 20 feet away from MD-84A during the construction of observation well MD-94A.

It is obvious from the hydrographs of Minnelusa observation wells, that withdrawals have not exceeded recharge for the period of record. The observation well data suggests that the aquifer is capable of sustaining additional withdrawals.

AFFECTS ON EXISTING RIGHTS:

There are seven Water Rights/ Permits appropriating ground water within approximately two miles of this site, they are shown in table 1.

PERMIT NO.	LAST NAME	AQUIFER	USE	CFS
1376-1	MOUNTAIN WEST LLC	ALQ	IND	0.33
1464-1	MOUNTAIN WEST LLC	MNKT	IND	0.34
1559-1	SD DEPT OF TRANSPORTATION	OPCH	DOM	0.00
1683-1	DAVE & MELISSA ROWE	MNLS	COM	0.04
1685-1	TILFORD GULCH CAMPGROUND	MNLS	COM	0.09
1786-1	KASKI HOMES INC	MNLS	SHD	0.10
1787-1	KASKI HOMES INC	MNLS	SHD	0.10

Table 1. Groundwater appropriations within two miles of 1822-1

The existing water right closest to the well proposed by this application is Water Right No. 1683-1, Dave and Melissa Rowe, located approximately one-half mile to the northwest.

Wells that are not supplied by the Minnelusa aquifer should not be affected by withdrawals from this well since the Opeche Shale serves as a confining layer above the Minnelusa, and the thick carbonate sequence in the lower Minnelusa isolates the Minnelusa aquifer from lower aquifers.

In addition to the wells supplying Water Permits/Rights, there are a number of domestic wells completed into the Minnelusa aquifer on file with the Water Rights Program (Water Rights, 2004a).

Although the impact of approving this application cannot be quantified precisely, it is still possible to address whether this appropriation can be made without adversely affecting water rights, including domestic wells. Water Management Board rules 74:02:04 and 74:02:05, which were promulgated pursuant to SDCL 46-6-6.1, provide protection to prior appropriators only to the degree necessary to maintain an adequate depth of water in wells that have the ability to produce water independent of artesian pressure. Simply put, the pump placement, or artesian flow, in a prior appropriator's well is not necessarily protected. In fact, in past action, the Water Management Board it has concluded that if increased cost or decreased production is considered an adverse impact, it could be in conflict with SDCL 46-1-4, which requires South Dakota's water resources to be put to beneficial use to the fullest extent of which they are capable.

Since the Minnelusa is under artesian conditions in this area and pumping may cause a decline in the potentiometric surface over a fairly widespread area. Considering the Board's past actions, the distance between wells, and the relatively low diversion rate proposed by this application, any well interference this proposed use would have on area water rights/permits and domestic wells is not expected to be significant or adverse

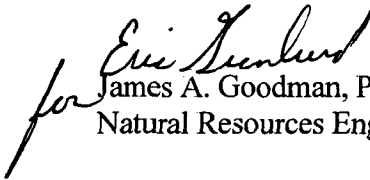
CONCLUSIONS:

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.



Ken Buhler
Natural Resources Engineer

Approved by



James A. Goodman, PE
Natural Resources Engineer

REFERENCES:

- Allen, J.C., Iles, D.L., and Petres, A.K., 1984, Analysis of Groundwater and Streamflow Data Western Dakotas Region of South Dakota, Task 3 and 4: Groundwater Resource Inventory: South Dakota Department of Water and Natural Resources,
- Carter, J.M., and Redden J.A., 1999a, Altitude of the Top of the Minnelusa Formation in the Black Hills Area, South Dakota: U.S. Geological Survey Hydrologic Investigations Atlas HA-744-C, 2 sheets, scale 1:100,000
- Carter, J.M., and Redden J.A., 1999b, Altitude of the Top of the Madison Limestone in the Black Hills Area, South Dakota: U.S. Geological Survey: Hydrologic Investigations Atlas HA-744-D, 2 sheets, scale 1:100,000
- Carter, J.M., Driscoll, D.G., and Hamade, G.R., 2001a, Estimated Recharge to the Madison and Minnelusa Aquifers in the Black Hills Area, South Dakota and Wyoming, Water Years, 1931-98: U.S. Geological Survey Water Resources Investigations Report 00-4278, 66 p.

Carter, J.M., Driscoll, D.G., Hamade, G.R., and Jarrell, G.J., 2001b, Hydrologic Budgets for the Madison and Minnelusa Aquifers, Black Hills of South Dakota and Wyoming, Water Years 1987-96: U.S. Geological Survey Water-Resources Investigations Report 01-4119, 53 p.

Driscoll, D.G., Carter, J.M., Williamson, J.E., and Putnam, L.D., 2002, Hydrology of the Black Hills Area, South Dakota: U.S. Geological Survey Water Resources Investigations Report 02-4094, 150 p.

Green, E.A., Shapiro, A.M., and Carter, J.M., 1999, Hydrogeologic Characterization of the Minnelusa and Madison Aquifers near Spearfish, South Dakota: U.S. Geological Survey Water-Resources Investigations Report 98-4156, 64 p.

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

Strobel, M.L., Jarrell, G.J., Sawyer, J.F., Schleicher, J.R., and Fahrenbach, M.D., 1999, Distribution of Hydrogeologic Units in the Black Hills Area, South Dakota: U.S. Geological Survey Hydrologic Investigations Atlas HA-744-C, 3 sheets, scale 1:100,000

Strobel, M.L., Galloway, J.M., Hamade, and G.R., Jarrell, G.J., 2000, Potentiometric Surface of the Minnelusa Aquifer in the Black hills Area, South Dakota: U.S. Geological Survey Hydrologic Investigations Atlas HA-745-C, 2 sheets, scale 1:100,000

Water Rights Program, 2002, "Irrigation Use Summary": DENR-Water Rights Program

Water Rights Program, 2004a, "Domestic Well Log Files": DENR-Water Rights Program,

Water Rights Program, 2004b, "Observation Well Files": DENR-Water Rights Program

Water Rights Program, 2004c, "Water Permit Files": DENR-Water Rights Program,



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 1822-1, Jack's Camper Sales**

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. 1822-1, Jack's Camper Sales, Doug Veldheer, PO Box 944, Mitchell SD 57301.

The Chief Engineer is recommending APPROVAL of Application No. 1822-1 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
July 2, 2004

AFFIDAVIT OF PUBLICATION

STATE OF SOUTH DAKOTA
COUNTY OF MEADE

Sheri Wiechmann, Being duly sworn, says, That the Meade County Times/Black Hills Press is and, during all times hereinafter mentioned, is a legal newspaper as defined in SDDCL 17-2-2, as amended, published in Sturgis, Meade County, South Dakota, by Country Media, Inc.; that affiant is and, during all of said times, was employed as an accounting clerk by the publisher of such newspaper and has personal knowledge of the facts stated in the affidavit; that the notice, order or advertisement, a copy of which is attached, was published in said newspaper for the issue (s) bearing the following dates:

<u>July 7</u> 200 <u>4</u>	<u>200</u>
<u>July 14</u> 200 <u>4</u>	<u>200</u>
<u>200</u>	<u>200</u>
<u>200</u>	<u>200</u>
<u>200</u>	<u>200</u>

That the full amount of the fee charged for publishing the same, to-wit the sum of

\$ 36.00, I insure solely to the benefit of the publisher of said newspaper; that no agreement or understanding for the division of the fees has been made with any person, and that no part of the fee has been agreed to be paid to any other person.

Sheri Wiechmann
Accounting Clerk

Subscribed and sworn before me this

27 Day of July 2004

Patricia Buhler
Notary Public, South Dakota

My Commission expires Feb 8, 2007

Water application

NOTICE OF APPLICATION NO. 1822-1 to Appropriate Water

Notice is given that Jack's Camper Sales, Doug Veldheer, PO Box 944, Mitchell SD 57301 has filed an application for a water permit to appropriate 0.067 cubic feet of water per second (30 gallons per minute) from one well (Minnelusa Formation) approximately 500 feet deep located in the SE 1/4 NE 1/4 Section 32-T4N-R6E. The water is for commercial use.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 1822-1 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 July 26, 2004.

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. Steven M. Pirner, Secretary, Department of Environment and Natural Resources.

Publ July 7 and 14, 2004
Meade County Times-Tribune

RECEIVED
JUL 28 2004
WATER RIGHTS
PROGRAM

Instruction to Newspaper - Publish first Notice on July 7, 2004 with the second publication 7 days later. The applicant is responsible for payment.

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DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

July 1, 2004.

Meade Co Times-Tribune
PO Box 129
Sturgis SD 57785-0129

ATTENTION: Legal Public Notice

Enclosed is a Notice on Application No. 1822-1 to Appropriate Water to be published twice. Please publish the first notice on July 7, 2004 with the second publication 7 days later. The text of the notice can be e-mailed to your paper by contacting Karen Schlaak at (605) 773-3352.

The applicant must verify to you that the notice is to be published, before you make the first publication. **Please BILL the APPLICANT for the cost of publication.** The APPLICANT is Jack's Camper Sales, Doug Veldheer, PO Box 944, Mitchell SD (Ph # 605-996-3268).

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

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

No. 1822-1

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

Date _____

We are in receipt of your letter of July 2, 2004 enclosing Notice to Appropriate Water by Application No. 1822-1 which was first published in our issue of _____. **ENCLOSED IS A COPY OF THIS FIRST PUBLICATION.**

Name

Newspaper



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

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

July 2, 2004

Jack's Camper Sales
Doug Veldheer
PO Box 944
Mitchell SD 57031

Dear Mr. Veldheer:

Water Permit Application No. 1822-1 for commercial use has been examined and found to comply with the South Dakota Water Laws and applicable rules. A notice has been sent to the Publisher of the Meade Co Times-Tribune printed at Sturgis, SD (Ph # 605-347-2503). You will need to contact the newspaper and authorize publication of this notice. 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 and to arrange for payment. Early contact with the paper can eliminate delays. Upon receiving authorization, the publisher has been instructed to publish your notice once each week for two consecutive weeks. The newspaper has also 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

c: Allan Schreier, Schreier Engineering, 11160 Snoma Rd., Belle Fourche SD 57717

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.



AUG 16 2004

DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

Jack's Camper Sales
% Doug Veldheer
PO Box 944
Mitchell SD 57301

Dear Mr. Veldheer:

Enclosed is Water Permit No. 1822-1 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

cc: Allen Schreier, Schreier Engineering, 11160 Snoma Road, Belle Fourche SD 57717

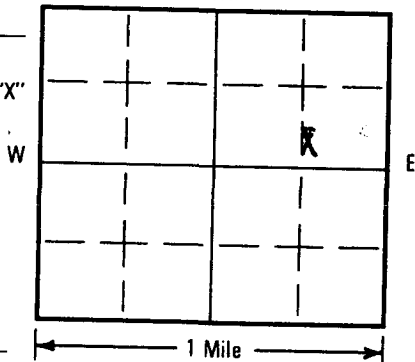
SOUTH DAKOTA WATER WELL COMPLETION REPORT

1822-1

07-92

Location SE 1/4 NE 1/4 Sec 32 Twp 4N Rg 6E
 County Meade

Please mark well location with an "X"



Well Completion Date _____

Well Owner: Jacks Camper
 Business Name: _____
 Address: P.O. Box 944
Mitchell S.D. 57301

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
Red Shale	0	8
gravel	8	45
Red shale	45	195
Minnetakata limestone	195	235
Purple siltstone	235	260
Red shale	260	340
MINNELUSA	340	410

LOCATION:

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

PROPOSED USE:

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

METHOD OF DRILLING:

AIR ROTARY

CASING DATA: ☒ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>17</u> LB/FT	<u>5.5</u> IN	<u>1.5</u> FT	<u>360</u> FT	<u>7 7/8</u> IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
<u>portland</u>	<u>60</u>	<u>14</u> lb./gal	<u>360</u> ft.	<u>0</u> ft.

Describe grouting procedure _____

SCREEN: ☐ 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 _____

STATIC WATER LEVEL 5 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:

☐ Pumped

Describe: AIR Developed

☐ Bailed

☒ Other _____

Pumping Level Below Land Surface

350 ft. After 2 Hrs. pumped 37 GPM

250 ft. After 2 Hrs. pumped 30 GPM

If pump installed, pump rate _____ GPM

REMARKS

RECEIVED

NOV 22 2004

This well was drilled under license # 705 WATER RIGHTS PROGRAM

And this report is true and accurate.

Drilling firm DAKOTA BICE DRILLING LLC

Signature of License Representative

Frank Conway

Signature of Well Owner or Equitable Property Holder:

Doug Veldner

Date: 11-20-04

Permit No. 1822-1
Upper Cheyenne 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, **September 21, 20⁰⁹10**, made a thorough examination of the water use system constructed by **Jack's Camper Sales** of **PO Box 944, Mitchell, SD 57301** holder of Permit No. **1822-1**, bearing the priority of **April 26, 2004** authorizing the diversion of **0.067** cu. ft. per second of the waters of the **Minnelusa Formation** for **Commercial use** purposes, in **Meade** County.

Inspection contact & relationship **Doug Veldheer**
to permit holder, if applicable:

A. Works used to divert the water:

Well Information:

- 1) Well Drilling Firm: **Dakota Bice Drilling LLC**
- 2) No. of Wells **1**
- 3) Depth(s) **410** feet
- 4) Well log is available **Y**

Casing:

- 1) Diameter **5 ½** inches
- 2) Length **360** feet
- 3) Type **Steel**

Pump:

- 1) Make **R&W**
- 2) Model **3450**
- 3) Size **2 hp**
- 4) Capacity **30** GPM

B. Compliance with Permit Requirements:

- 1) Permit qualifications being abided by **Y**
- 2) Irrigation Questionnaires checked to determine if permit owner started irrigation by the end of construction period **NA**
- 3) Exceptions to compliance are: **None**

Report of Examination of Works

Permit No. 1822-1

The system is in **Good** condition with the point(s) of diversion located as follows:

Approximately 2,605 feet south and 590 feet west of the NE corner of Section 32-T4N-R6E

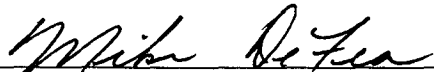
(N 44.26399, W -103.41539) (SE ¼ NE ¼)

The works are capable of diverting and conveying to the place of use **0.067** cu. ft. per second of water which is to be used for **Commercial use**.

The license should be issued for **0.067** cfs.

All structures, wells and lands on map **Y**

Comments or other permit(s) associated with the project:



Mike DeFea

Natural Resources Project Engineer
DENR, Water Rights Program

Date report completed: **May 20, 2010**

Water Permit No. 1822-1

Jack's Camper Sales c/o Doug Veldheer
PO Box 944
Mitchell, SD 57301



Mike DeFea

Mike DeFea
Natural Resources Engineer
DENR, Water Rights Program
May 20, 2010

0 380 760 1,520 2,280 3,040 Feet



South Dakota
Department of Environment
& Natural Resources
Protecting SD's Tomorrow... Today



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

JUL 28 2010

1822-1

Doug Veldheer
Jack's Camper Sales
PO Box 944
Mitchell SD 57301-0944

Dear Mr. Veldheer:

Enclosed is Water License No. 1822-1. Included with the license is a map prepared by the staff engineer who conducted the field investigation. Water License No. 1822-1 is the final document which completes the process of obtaining a water right.

As long as you use the water beneficially, as stated in the Water License, State Water Laws provide that you have a continuing right to use the water.

Sincerely,

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

enclosures

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 1822-1

(1) Jack's Camper Sales, PO Box 944, Mitchell SD 57301-0944 made Application No. 1822-1, April 26, 2004 for a water permit to divert 0.067 cubic feet of water per second from ground water (one well – Minnelusa Formation), Meade County, South Dakota for commercial purposes. Permit No. 1822-1, with a priority date of April 26, 2004 was approved July 26, 2004 and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before July 26, 2009 and for the application to beneficial use of said water on or before July 26, 2013.

(2) It is certified that the permit holder 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 0.067 cubic feet of water per second (30 gallons per minute) for beneficial use.

The location of the diversion point is 2,605 feet south and 590 feet west of the NE corner of Section 32, T4N, R6E (SE ¼ NE ¼).

(3) The permit holder 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 Jack's Camper Sales, PO Box 944, Mitchell SD 57301-0944 the holder and/or owner of Water Right No. 1822-1 is issued a license to appropriate water, the right to use 0.067 cubic feet of water per second from ground water (one well – Minnelusa Formation) with a priority date of April 26, 2004 from the location specified in (2) of this license for commercial use purposes.

This license is subject to South Dakota Water Law, any limitations or conditions listed in Water Right No. 1822-1 and subject to 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

JUL 28 2010

date

