

WATER PERMIT NO. 8318-3

Name of Applicant: **Fawn Lamb**

Address: **PO Box 145, Carpenter SD 57322**

Phone: **605 352-5999**

Amount of Water Claimed: **10 gpm**

Total Acres: **NA**

Source of Water Supply: **groundwater (1 well)**

Water to be used for: **commercial**

County: **Clark**

Type of Waste Disposal System:

Location: **in town of Carpenter**

PRIORITY Date Received: **10-30-17**

Application/License Fee: **\$ 300**

Corrected Application Received: **11-6-17**

Period of Annual Use: **January 1 – December 31**

Remarks:

Diversion Point: **NE 1/4 SE 1/4 Sec 33-T114N-R59W**

Land to be Irrigated: **NA**

Depth of Well: **37 feet deep**

Well Driller: **Stretchs Well Service**

Remarks:

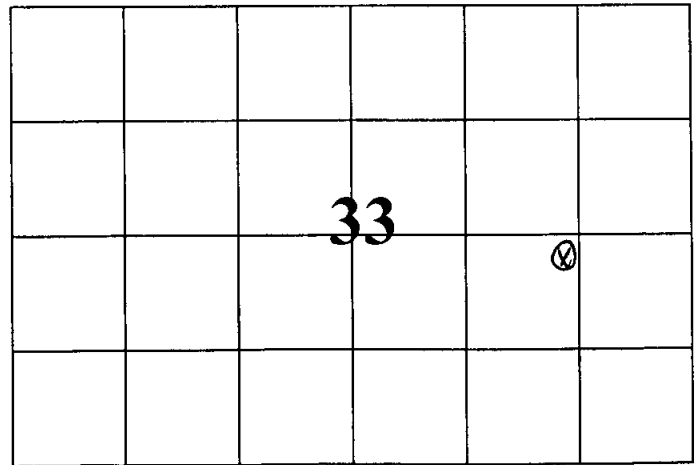
Type of Map: **aerial**

Prepared by:

Reviewed and the Number Assigned on: **11-6-17**

By: **Karen Schlaak**

Notice of Hearing - date to intervene: _____



SOUTH DAKOTA
WATER PERMIT NO. 8318-3

Date of first receipt of application October 30, 2017.

Date of return to applicant for corrections, amendments or changes October 30, 2017.

Date of receipt of corrected application November 6, 2017.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 8318-3 to Fawn Lamb, PO Box 145, Carpenter SD 57322 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. 8318-3 appropriates 0.022 cubic feet of water per second (10 gallons per minute) from one well completed into the Altamont Aquifer (37 feet deep) located in the NE 1/4 SE 1/4 Section 33-T114N-R59W located in the town of Carpenter SD.
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. 8318-3 is January 22, 2018.
5. The date from which applicant may claim right is October 30, 2017.
6. One-fifth of the construction is to be completed on or before July 22, 2020.
7. All construction is to be completed on or before January 22, 2023.
8. Water is to be put to beneficial use on or before January 22, 2027.
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 Permit No. 8318-3 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 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: 
Jeanne Goodman, Chief Engineer
Water Rights Program

Department of Environment and Natural Resources

FEB 12 2018

date



RECEIVED

OCT 30 2017

WATER RIGHTS
PROGRAM

Mail to: DENR - Water Rights 523 E Capitol Ave Pierre, SD 57501-3182 ph. (605) 773-3352	No. <u>8318-3</u> (office use only)
	Hydrologic Unit <u>10160006</u>
	Basin <u>James River</u>
	Newspaper <u>Clark County Courier, Clark</u> <u>Daily Plainsman, Huron</u>

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

Check use(s) of water:

- | | | | |
|---|--|--|--|
| ☐ Municipal | ☐ Water Distribution System | ☐ Recreational | ☐ Institutional |
| ☐ Rural Water System | ☒ Commercial | ☐ Fish & Wildlife | ☐ Geothermal |
| ☐ 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.)

1. Name to Appear on Water Permit FAWN LAMB

Mailing Address PO Box 145 Carpenter SD 57322

(Address) (City) (State) (Zip Code)

Phone 605-352-5999 Mobile _____ Email _____

2. Amount of water claimed 0.022 *CFS or 10 **GPM and ***AF or _____ Gallons

Flow rate and volume are both required. (*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout or annual use)

3. Source of water supply Shallow Well NE 1/4 SE 1/4

4. Location of point of diversion Village of Carpenter, SW 1/4 33-114-59 County Clark

(example - 3 wells in SW 1/4 NE 1/4 section 12-T104N-R53W)

If not a public water supply (e.g. municipal), will water be used outside of the area described above? ☐ Yes ☒ No

If "Yes," where will water be used? _____

(example - NW 1/4 section 12-T104N-R53W)

5. County or counties where water will be used Clark

6. Annual period during which water is to be used 12-Months

7. Give a description of the project. When available include any preliminary engineering report or other reports or information that will help explain the project. (Attach sheet if more space is needed)

Shallow Well 37' Deep

*Municipal or Rural Water is not available in Carpenter.

I, Fawn Lamb owner/self, the applicant, certify under

Name of Person Title (if applicable)

penalty of perjury that I have read this application, examined the attached map, and that the matters stated are true. I further certify, if acting on behalf of an entity or individual other than myself, that I am authorized to submit this application.

1. Well Information

(check one or both as applicable) ☒ Drilling new well(s) ☐ Using existing well(s)

- a) If new wells, how many 1 Have test holes been drilled ☐ Yes ☒ No Drilled by SH
(if yes, please provide copies of logs)
- b) If existing wells, how many Provide copy of log(s), if available. Drilled by Stretch's Well Service Inc.
- For either Existing or Proposed Wells:
- c) Well Depth (required) 37 Depth to Top of Water Bearing Material 24 Depth to Water from Surface 0
- d) Distance to nearest domestic well on applicant's property NONE Property owned by others 1/4 Mile South

2. Wastewater Disposal System Information

- a) Type of System (i.e. septic tank, drain field) _____
- b) System Capacity (gallons) _____ Year Constructed _____
- c) Connected to the City of _____ Sanitary System _____

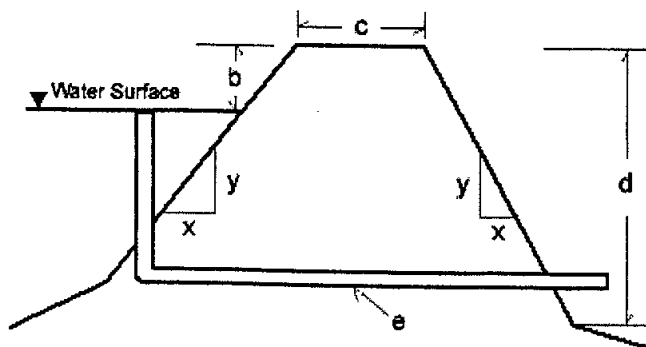
3. Dugout Information

- 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 (e.g. 3 to 1 is a typical slope)
Upstream _____
Downstream _____
- h) Surface Area of Impoundment _____
- i) Storage _____ Acre Feet
- j) Drainage Area Above Dam _____ Acres

Sec 29
T114N
R59W

Sec 28
T114N
R59W

Sec 27
T114N
R59W

Sec 32
T114N
R59W

Sec 33
T114N
R59W

Sec 34
T114N
R59W

Sec 5
T113N
R59W

Sec 4
T113N
R59W

Sec 3
T113N
R59W

Sec 26
T114N
R59W

Sec 35
T114N
R59W

Sec 2
T113N
R59W

SOUTH DAKOTA WATER WELL COMPLETION REPORT

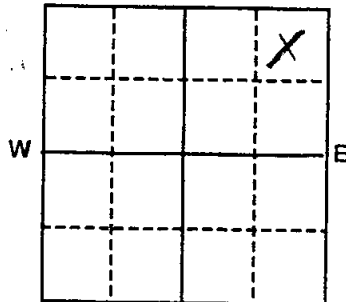
11-02

Location NE 1/4 ~~SE~~ 1/4 Sec 33 Twp 114N Rg 59W

County Clark

North

Please mark well location with an "X"



Well Completion Date

6/27/2017

1 Mile

Distance to nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)?

None ft. from

(identify source)

PROPOSED USE:

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

METHOD OF DRILLING:

Mud Rotary

CASING DATA:

☐ Steel ☒ Plastic ☐ Other

If other describe

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
200 LB/FT	5 IN	0 FT	37 FT	7 7/8 IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
Portland	4	15 Lb/gal	0 Ft	15 Ft
		Lb/gal	Ft	Ft

Describe grouting procedure

SCREEN:

☐ Perforated pipe ☒ Manufactured

Diameter 5 Inches Length 20 Feet

Material PVC

Slot Size .025 Set From 17 Feet to 37 Feet

Other information

WAS A PACKER OR SEAL USED?

☒ Yes ☐ No

If so, what material? Enviro Plug

Describe packer(s) and location

DISINFECTION:

Was well disinfected upon completion?

☒ Yes, How? Chlorine☐ No, Why Not?

Lab to which water quality sample sent for analysis

Well Owner: Fawn Lamb

Business Name: Carpenter Country Store

Address: PO Box 145

City, State, Zip: Carpenter SD 57322

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
Top Soil	0	1
Yellow Clay	1	12
Blue Clay	12	24
Coarse Sand	24	37

STATIC WATER LEVEL

FEET

If flowing: closed in pressure 5 PSI

GPM flow 10 through 2 Inch pipe

Controlled by ☒ Valve ☐ Reducers ☐ Other

Reduced flow rate GPM

Can well be completely shut in? Yes

WELL TEST DATA:

☐ Pumped Describe:
☐ Bailed
☐ Other

Pumping Level Below Land Surface

Ft. After Hrs. pumped GPM

Ft. After Hrs. pumped GPM

If pump installed, pump rate: GPM

REMARKS

Pleistocene Series: Unknown? AM

This well was drilled under license # 722 and this report is true and accurate.

Drilling firm: Stretch's Well Service Inc.

Signature of License Representative:

Signature of Well Owner or Equitable Property Holder:

Date: 7-20-17

RECEIVED

AUG 02 2017

WATER RIGHTS PROGRAM

73304



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

denr.sd.gov

October 11, 2017

Carpenter Country Store
Fawn Lamb
PO Box 145
Carpenter SD 57322

Dear Ms. Lamb:

I am writing in regard to a well driller's report filed by Stretch's Well Service Inc. The report shows a new well was completed on June 27, 2017. Based on the information in the report, you may need a water permit for this water use.

1. According to state law, a water permit is needed for any water use except for reasonable, private domestic use. Examples of commercial uses that require a water rights permit are: truckstops; motels; restaurants; bars; clubs; tourist attractions; campgrounds or any other business operation.
2. Also, as a new well owner, you need to be aware of some of your responsibilities. Enclosed is a copy of "Well Owner Responsibilities". Please review these responsibilities to ensure you are complying with all of the requirements.

Enclosed is an application form and instruction sheet to apply for a water permit. The completed form with the application fee and map can be returned to: Water Rights Program, 523 E. Capitol, Pierre, SD 57501. Please respond by November 1, 2017.

If you believe your water use does not require a water permit or that you have an existing permit, or if help is needed completing the application forms, please contact Ron Duvall or me at (605) 773-3352. We will be happy to assist you in any way possible.

Sincerely,

Karen Schlaak

Karen Schlaak
Water Rights Program
karen.schlaak@state.sd.us

enclosures



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

denr.sd.gov

RECEIVED

NOV 06 2017

WATER RIGHTS
PROGRAM

October 30, 2017

Fawn Lamb
PO Box 145
Carpenter SD 57322

Dear Ms. Lamb:

Thank you for submitting the *Application for a Permit to Appropriate Water* for commercial use in Clark County. In order to complete the application, the following is required.

- A map needs to be submitted that references a government section corner or quarter corner including section, township and range. For your use, I have enclosed a map with those designations. Please mark the well location with an "X".
- Are you connected to a sanitary disposal system or a septic system?

If you have any questions, please contact me.

Sincerely,

Karen Schlaak

Karen Schlaak
Water Rights Program
605 773-3352
karen.schlaak@state.sd.us

enclosure

*Private
Septic
system*

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date October 30, 20 17

RECEIVED OF Fawn Lamb PO Box 145 Carpenter, SD 57322

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

Fee for Application for Permit No. <u>8318-3</u> to Appropriate Water, to construct and to put water to beneficial use	100	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>8318-3</u>	200	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	300 00

No. **08373**

By

Jeanne Goodman
Chief Engineer

vm



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3182
<http://denr.sd.gov>

**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 8318-3, Fawn Lamb**

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. 8318-3, Fawn Lamb, PO Box 145, Carpenter SD 57322.

The Chief Engineer is recommending APPROVAL of Application No. 8318-3 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 Permit No. 8318-3 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 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.

Jeanne Goodman, Chief Engineer
January 3, 2018

REPORT TO THE CHIEF ENGINEER
ON
WATER PERMIT APPLICATION NO. 8318-3
FAWN LAMB
DECEMBER 29, 2017

Water Permit Application No. 8318-3 proposes to appropriate water at a maximum diversion rate of 0.022 cubic feet of water per second (cfs) (10 gallons per minute) from one well completed into the Altamont aquifer located in the NE ¼ SE ¼ Section 33; all in T114N-R59W in Clark County. The water is to be used for commercial purposes in the town of Carpenter.

AQUIFER: Altamont (A)

Aquifer Characteristics:

Hamilton (1986) described six major glacial aquifers in Clark County, Prairie Coteau 1, 2 and 3, and Altamont 1, 2 and 3. Based on the depth to aquifer material and the location of the well this application proposes to use, the well is completed into the Altamont 2 aquifer. The Altamont 2 aquifer is a buried glacial outwash aquifer composed of very coarse sand and gravel and sandy silt (Hamilton, 1986). The aquifer underlies approximately 630 square miles (403,200 acres) of Clark County and contains an estimated 3.23 million ac-ft of water (Hamilton, 1986). The depth to the top of the aquifer ranges from 10 feet along its western edges to up to 480 feet under the Coteau des Prairies (Hamilton, 1986).

The Altamont 2 aquifer is hydraulically connected with the Altamont 1 aquifer near the center of Clark County and with the Altamont 3 aquifer near the western part of the county (Hamilton, 1986). In the past, the DENR-Water Rights Program has not differentiated between units and considered all of the deeper and hydraulically connected outwash deposits in Clark County the Altamont aquifer. When considering the Altamont aquifer as a single aquifer, it has an areal extent of approximately 537,200 acres and contains an estimated 3,326,400 ac-ft of recoverable water in storage in Clark County (Hedges et. al, 1982). The Altamont aquifer also underlies portions of Beadle, Brookings, Brown, Codington, Day, Deuel, Grant, Hamlin, Kingsbury, Marshall, Roberts, and Spink Counties (Hedges et. al, 1982). Hedges and others (1982) estimated the areal extent of the aquifer in South Dakota to be more than 1,672,800 acres and contains greater than 7,197,360 ac-ft of recoverable water in storage. The Altamont aquifer is generally under confined conditions (Water Rights, 2017a). The well completion report submitted with this application indicates coarse sand was encountered 24 feet below ground surface, and the aquifer had artesian head pressure of 5 psi at the time of well completion in August 2017.

South Dakota Codified Law (SDCL) 46-2A-9

Pursuant to SDCL 46-2A-9, a permit to appropriate water may be issued only if there is a reasonable probability that there is unappropriated water available for this applicant's proposed use, that the proposed diversion can be developed without unlawful impairment of existing rights and that the proposed use is a beneficial use and in the public interest. This report will address the availability of unappropriated water and effects on existing rights from the aquifer that are pertinent to this application.

WATER AVAILABILITY:

This application proposes to appropriate water from the Altamont aquifer. The probability of unappropriated water available from the aquifer can be evaluated by considering SDCL 46-6-3.1, which requires “No application to appropriate groundwater may 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 the average estimated annual recharge of water to the groundwater source.” If the source of the water is older or lower than the Greenhorn Formation and a water distribution system has applied for a permit, the Board need not consider the recharge/withdrawal issue. In this case, the aquifer is not stratigraphically lower than the Greenhorn Formation and the applicant is not a water distribution system. Therefore, the recharge/withdrawal issue needs to be considered.

Observation Well Data:

Administrative Rule of South Dakota Section 74:02:05:07 requires that the Water Management Board shall rely upon the record of observation well measurements in addition to other data to determine that the quantity of water withdrawn annually from the aquifer does not exceed the estimated average annual recharge of the aquifer.

The DENR-Water Rights Program monitors 31 observation wells completed into the Altamont aquifer with 22 of those observation wells completed into the Altamont aquifer in Clark County (Water Rights, 2017a). Figure 1 shows a map of the area within approximately 10 miles of the well this application proposes to use and includes Altamont aquifer observation wells and water rights/permits (Water Rights, 2017a and 2017b).

There are three Altamont aquifer observation wells within approximately five miles of the well this application proposes to use. Observation well CK-76N, CK-76O, and CK-76M are approximately 2.6 miles north, 3.3 miles northeast, and 4.6 miles north of the well this application intends to use respectively. The hydrographs for these observation wells are shown in Figures 2, 3, and 4, respectively. These three hydrographs are representative of the hydrographs for other observation wells completed into the Altamont aquifer. Over the period of record, the hydrographs for observation wells completed into the Altamont aquifer in general show a stable to rising water level. Many of the observation wells do show the short term effects of pumping on artesian head pressure. However, the water level recovers to pre-pumping levels after the end of the irrigation season. The hydrographs document the longer term effects of climate dominate changes in water level in the aquifer. That is to say water levels rise during wetter periods and slowly decline during drier periods. This means that recharge to and natural discharge from the aquifer significantly exceed pumping. Recognizing that recharge to and natural discharge from an aquifer can be captured for pumping, the hydrographs document there is unappropriated water available for this proposed appropriation as required by SDCL 46-2A-9.

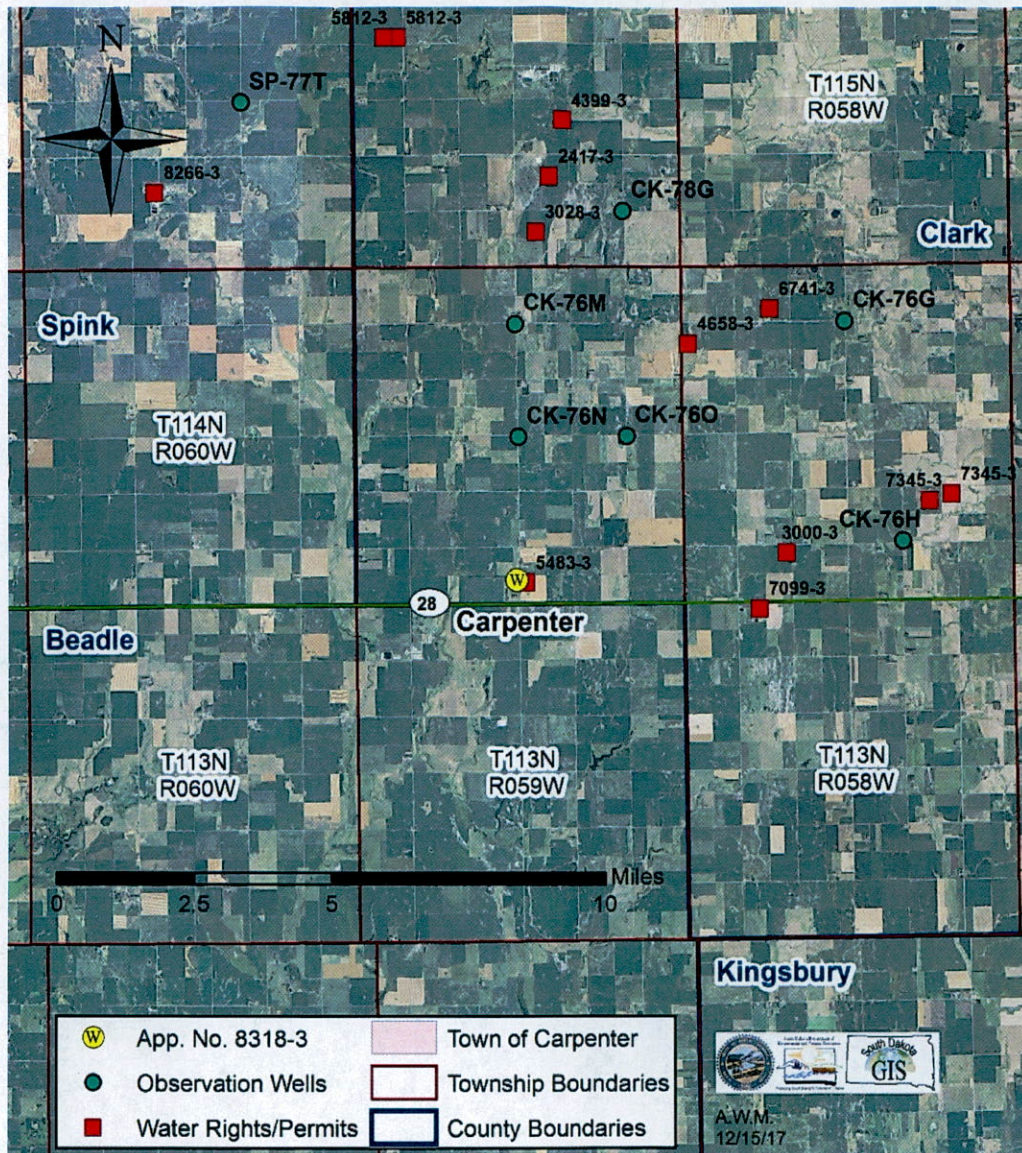


Figure 1- Map of the area within approximately 10 miles of the well Application No. 8318-3 proposes to use including Altamont aquifer observation wells and water rights/permits (Water Rights, 2017a and 2017b)

Table 1- Water rights/permits shown in Figure 1 (Water Rights, 2017b)

Permit No.	Name	County	Status	Use	CFS	Acres
2417-3	Fordham Httrn Brth	CK	LC	IRR	1.78	268
3000-3	Douglas G Heaton	CK	LC	IRR	1.9	133
3028-3	Fordham Httrn Brth	CK	LC	IRR	1.78	132
4399-3	Fordham Httrn Brth	CK	LC	IRR	1.78	270
4658-3	Jack Schmidt	CK	LC	IRR	1.77	125.4
5483-3	Carpenter Café	CK	LC	COM	0.01	N/A
5812-3	Clark Farmers COOP	CK	LC	IRR	1.78	262
5812-3	Clark Farmers COOP	CK	LC	IRR	1.78	262
6741-3	Alliance Family Farms LLC	CK	PE	COM/LCO	0.56	N/A
7099-3	Doug Lamont Feedlot	CK	PE	COM/LCO	0.062	N/A
7345-3	Jack Schmidt	CK	PE	IRR	2.67	300
7345-3	Jack Schmidt	CK	PE	IRR	2.67	300
8266-3	Hillside Httrn Brth	SP	PE	IRR	0.09	30

CK= Clark, SP= Spink, LC= Water Right, PE= Water Permit, IRR= Irrigation, COM= Commercial, LCO= Livestock Confinement Operation

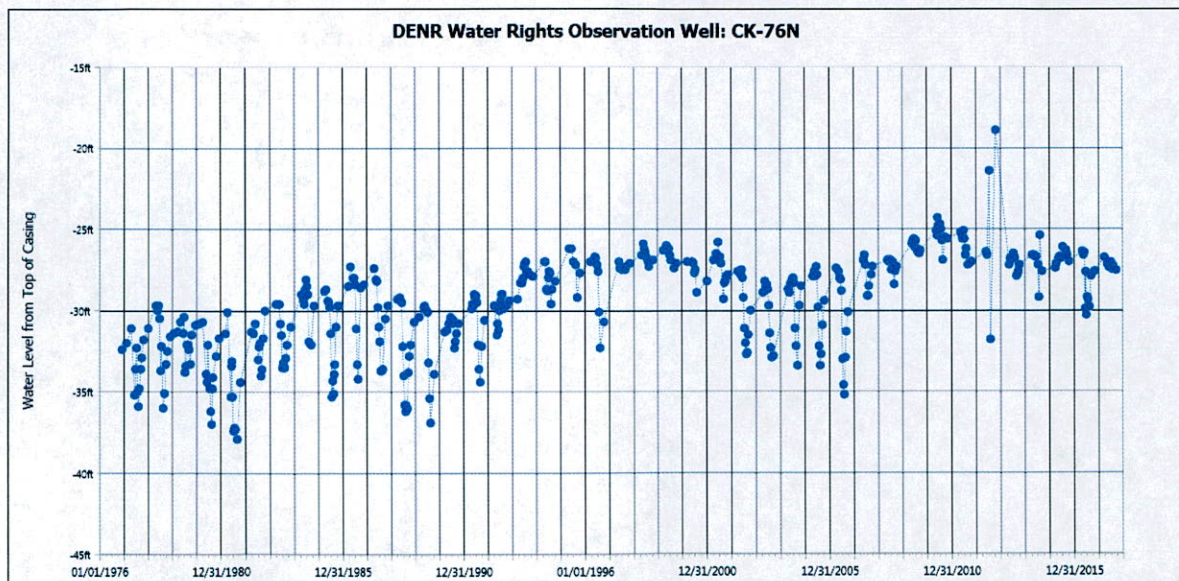


Figure 2- Hydrograph for CK-76N, approximately 2.6 miles north of proposed well (Water Rights, 2017a)

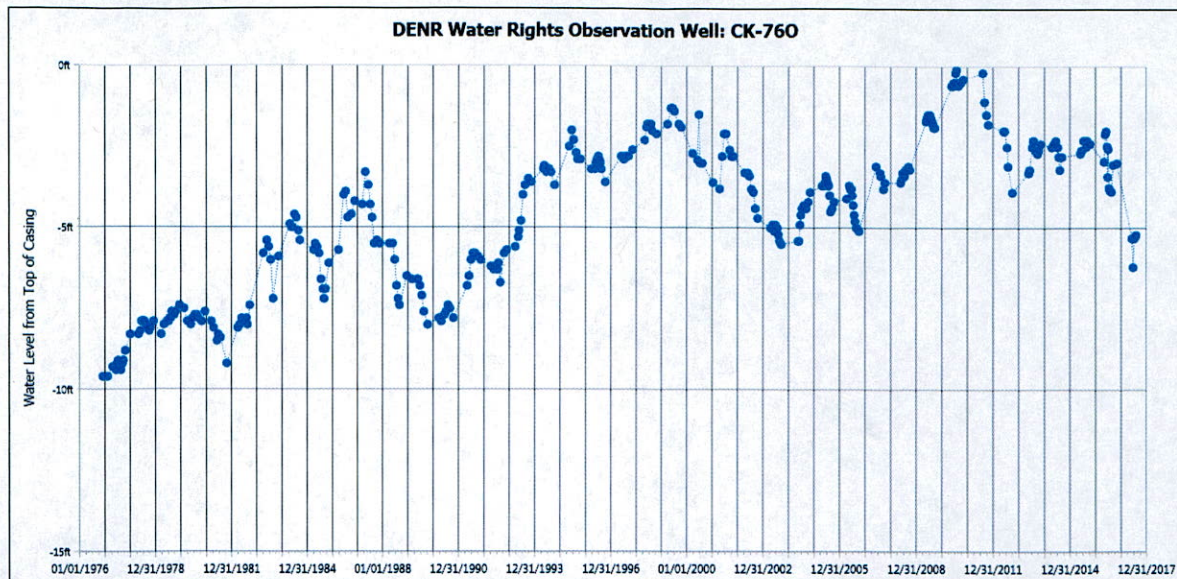


Figure 3- Hydrograph for CK-76O, approximately 3.3 miles northeast of proposed well (Water Rights, 2017a)

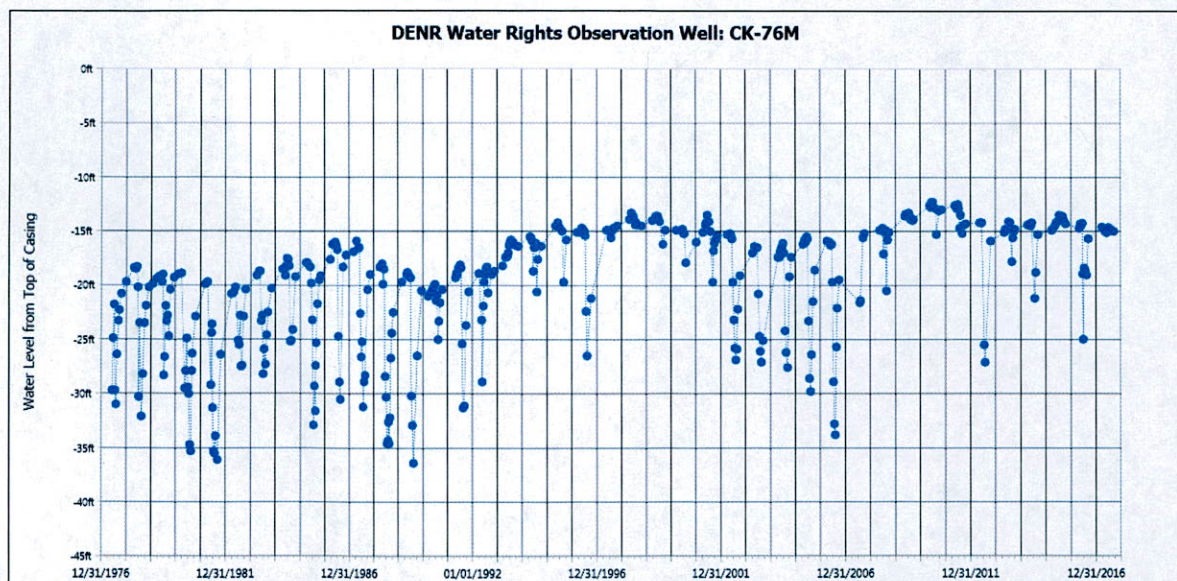


Figure 4- Hydrograph for CK-76M, approximately 4.6 miles north of proposed well (Water Rights, 2017a)

Recharge and Discharge:

Recharge

Recharge to the Altamont aquifer in Clark County is through infiltration of precipitation and lateral inflow from other counties (Hamilton, 1986). Hamilton (1986) determined recharge from precipitation to the Altamont 2 aquifer in Clark County is 1.5 inches per year, which is 50,400 ac-ft/yr. using Hamilton's (1986) estimated aquifer areal extent.

Hedges and others (1985) estimated the average annual recharge rate to the unconfined portion of the Altamont aquifer to be 2.2 inches per year. However, a large majority of the Altamont

aquifer is under confined conditions, and that recharge rate would not necessarily be applicable. Hedges and others (1985) recommended a range of 0.15 to 0.6 inches for recharge rates to confined aquifers for use by management and development programs. Using Hedges and others (1982) estimated areal extent with Hedges and others (1985) confined aquifer recharge rate range, the estimated average annual recharge to the whole Altamont aquifer is 20,910 to 83,640 ac-ft/yr. and 6,715 to 26,860 in just Clark County.

Discharge

Discharge from the Altamont aquifer in Clark County primarily occurs through outflow to other counties and well withdrawals (Hamilton, 1986). Well withdrawals are a primary source of discharge from the aquifer throughout its entire areal extent (Water Rights, 2017b and 2017c). Currently, there are 74 water rights/permits authorizing the withdrawal of water from the Altamont aquifer and two future use permits reserving water (Water Rights, 2017b). There are 54 of those 74 water rights/permits in Clark County (Water Rights, 2017b).

Water use by non-irrigation appropriations is estimated by assuming pumping at the maximum permitted diversion rate for 60 percent of the time if the water right/permit is limited only by diversion rate or, if the water right/permit is limited by an annual volume, assuming the entire volume will be pumped. The residents of Arlington, Roslyn, Bristol, Clark, and Wallace all obtain water from rural water systems (Friedeman, 2017). Therefore, the water use under these water rights is expected to be minimal with the water right maintained primarily for emergency purposes (i.e. fire protection). The cities of Andover, Revillo, and Brandt have individual hookups to rural water systems (Friedeman, 2017). That means there may be some pumpage under their respective water rights. Estimated average annual water use by non-irrigation water rights/permits is expected to be less than 2,122 ac-ft/yr. with approximately 894 ac-ft/yr. of that in Clark County alone.

Future Use Permit Nos. 4052-3 and 4054B-3 are for the Towns of Henry and Wallace, respectively (Water Rights, 2017b). Both towns are now connected to rural water, and it is unlikely these permits will ever be developed (Friedeman, 2017). However, it is assumed both future use permits will be fully developed for the purposes of estimating average annual water use from the Altamont Aquifer. The total amount of water reserved by future use permits from the Altamont aquifer is 881 ac-ft/yr.

The historic water use by irrigation water rights/permits is listed in Table 2. There are a number of domestic wells on file with the DENR-Water Rights Program that appear to be completed into the Altamont aquifer. However, the availability of rural water and their relatively low diversion rate means the volume of water pumped for domestic purposes is not significant to the hydrologic budget.

Table 2- Historic irrigation use from the Altamont aquifer and the Altamont aquifer in only Clark County (Water Rights, 1979-2017)

Year	Entire Aquifer		Clark County	
	Number of Permits Reporting	Pumpage (acre-feet)	Number of Permits Reporting	Pumpage (acre-feet)
1979	49	3060	24	1472.71
1980	50	3712	25	2329.09
1981	56	3699	27	2689.99
1982	43	2428.17	24	1226.1
1983	41	3601.31	26	2665.18
1984	45	2639	27	1808
1985	44	2639	27	1917
1986	43	1797	27	1436
1987	41	3892	25	2463
1988	39	5074.1	24	3123.6
1989	39	4751.2	24	3321.8
1990	39	2921	24	2023
1991	39	2130.6	25	1622.2
1992	39	1107	24	585
1993	40	51.6	25	42
1994	39	984.17	25	579.68
1995	39	409.95	25	260.8
1996	39	2004.72	25	1320.61
1997	39	644	25	357
1998	37	1188.17	23	826.28
1999	38	1332.7	24	1170.95
2000	39	2273.94	26	1995.52
2001	38	2108.79	25	1615.69
2002	38	3570.27	25	2695.04
2003	39	2877.53	26	2286.11
2004	44	1954.9	30	1766.3
2005	44	2365.47	30	2190.13
2006	44	3684.08	31	3336.34
2007	46	2651.96	33	2143.63
2008	48	1945.86	36	1660.16
2009	47	842.88	36	735.49
2010	45	1027.13	36	887.92
2011	45	1057.97	36	981.08
2012	47	3157.99	38	2727.41
2013	51	2382.68	42	1977.78
2014	54	2106.01	46	1777.8
2015	52	1754.51	44	1502.62
2016	51	3656.68	44	3194.2
Min	37	51.6	23	42
Max	56	5074.1	46	3336.34
Avg.	43	2354.9	29	1755.6

Hydrologic Budget

The estimated average annual use by non-irrigation appropriations is 2,122 ac-ft/yr. with 894 ac-ft/yr. coming from Clark County alone. The future use reservation from the Altamont aquifer is 881 ac-ft/yr. with none of it in Clark County. The average annual irrigation pumpage from the Altamont aquifer is 2,355 ac-ft/yr. with approximately 1,756 ac-ft/yr. of that coming from within Clark County. Thus, the average annual use plus future use reservation is 5,358 ac-ft/yr. with 2,650 ac-ft/yr. coming from users in Clark County. This application is expected to use less than 10 ac-ft/yr.

The estimated average annual recharge rate range is 20,910 to 83,640 ac-ft/yr. for the entire aquifer and 6,715 to 50,400 ac-ft/yr. in just Clark County. When the average annual pumpage and average annual recharge values are compared, the estimated average annual recharge greatly exceeds average annual withdrawals. Therefore, there is a reasonable probability there is unappropriated water available for this proposed appropriation as required by SDCL 46-2A-9. This hydrologic budget is in agreement with the data shown in the observation well hydrographs.

EXISTING WATER RIGHTS:

The well this application proposes to use is within 1,000 feet of the well authorized by Water Right No. 5483-3 for the Carpenter Café (Water Rights, 2017b). The next nearest well authorized by an Altamont aquifer water right/permit is approximately 4.4 miles east for Water Permit No. 7099-3 for Doug Lamont Feedlot (Water Rights, 2017b). Figure 5 shows the closest Altamont aquifer water rights/permits and observation wells. There are also a number of domestic wells within approximately one mile of the well this application proposes to use that appear to be completed into the Altamont aquifer (Water Rights, 2017c).

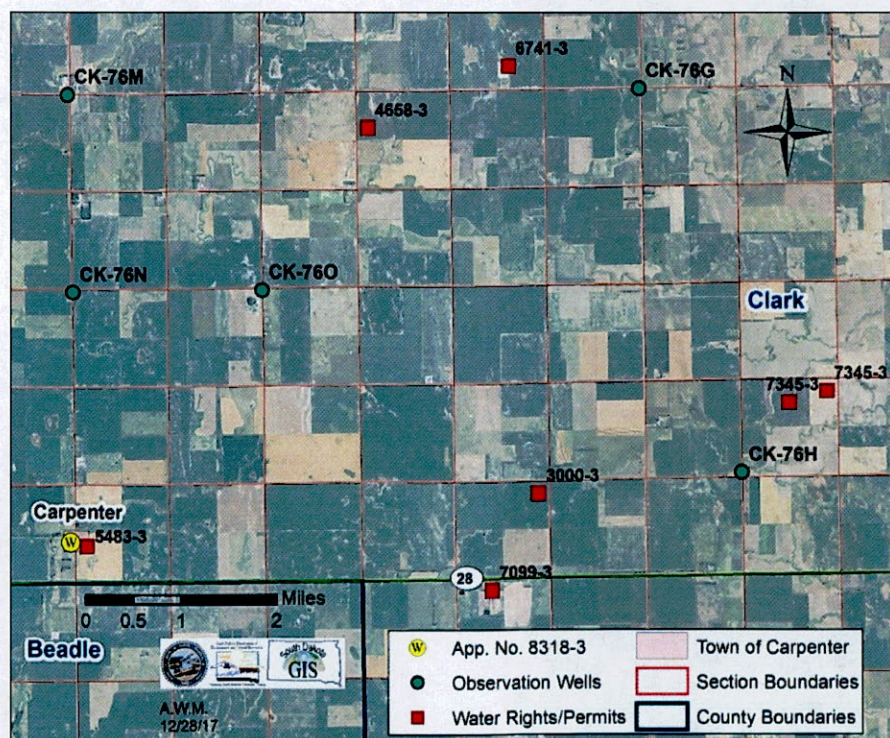


Figure 5- Map of the closest Altamont aquifer water rights/permits and observation wells to Application No. 8318-3 (Water Rights, 2017a and 2017b)

Since the aquifer is under confined conditions at the well site, some drawdown from pumping is expected. There is approximately 36 feet of artesian head pressure above the aquifer at the well site. The diversion rate of this proposed diversion, 0.022 cfs (10 gpm), is less than the allowed continuous domestic well diversion rate of 18 gpm. Considering the artesian head pressure and the limited diversion rate proposed by this application, pumping this proposed diversion is not expected to have adverse effects on existing appropriative or domestic wells completed into the Altamont aquifer.

There was concern the development of irrigation from the Altamont aquifer in western Clark and eastern Spink Counties would affect well and dugout levels and spring flow in the late 1970's and early 1980's. Several complaints were filed with the DENR-Water Rights Program. The subsequent investigations determined, in general, the irrigation wells were not adversely impacting the other well owners or the dugouts and springs. In one case, an agreement was reached between the parties to limit irrigation well pumping and fill a dam with more water to provide a supplemental source of water for cattle. None of these complaints and investigations were within five miles of the well this application proposes to use. Due to the limited diversion rate requested by this application and the proposed use of water, this application is not expected to encounter similar concerns.

In the past, the Water Management Board has recognized to place water to maximum beneficial use, a certain amount of drawdown may occur. Since the aquifer is under confined conditions at the well site, drawdown due to pumping may extend some distance from the well site even though it is not expected to do so. The Water Management Board has promulgated rules that allow water to be placed to maximum beneficial use without the necessity of maintaining artesian head pressure for domestic use. The Water Management Board defined an "adversely impacted domestic well" in ARSD 74:02:04:20(7) as:

"a well in which the pump intake was set at least 20 feet below the top of the aquifer at the time of construction or, if the aquifer is less than 20 feet thick, is as near to the bottom of the aquifer as is practical and the water level of the aquifer has declined to a level that the pump will no longer deliver sufficient water for the well owner's needs".

The Water Management Board considered the delivery of water by artesian head pressure versus maximum beneficial use of water issued for Water Right No. 2313-2 for Coca-Cola Bottling Company of the Black Hills. The Water Management Board adopted Findings of Facts and Conclusions of Law that noted reservation of artesian head pressure for delivery of water would be inconsistent with SDCL 46-1-4 which states, "general welfare requires that the water resources of the state be put to beneficial use to the fullest extent of which they are capable..." (Water Rights, 1995). Furthermore, the Water Management Board found if increased cost or decreased production as a result of impacts on artesian head pressure by legitimate users is to be considered an adverse impact it would also be in conflict with SDCL 46-1-4 (Water Rights, 1995). With that in mind, some existing well owners may need to lower their pumps to accommodate for deeper water levels depending on the specific characteristics of the Altamont aquifer. However, when considering the statutes (SDCL 46-1-4 and 46-6-6.1), rule (ARSD 74:02:04:20(7)), the artesian head pressure at the well site, and the limited diversion rate proposed by this application, well interference from this proposed diversion is not expected to

cause an adverse impact. Therefore, there is a reasonable probability that any interference created by pumping for this proposed appropriation will not be adverse.

CONCLUSIONS:

1. Application No. 8318-3 proposes to divert water from the Altamont aquifer for commercial purposes at a maximum diversion rate of 0.022 cfs.
2. Based on the observation well data and a hydrologic budget, unappropriated water is available from the Altamont aquifer for this proposed appropriation.
3. There is a reasonable probability the diversion proposed by this application can be made without adversely impacting existing appropriative or domestic users.

for 
Adam Mathiowetz, PE
SD DENR-Water Rights Program

REFERENCES:

- Friedeman, B. Personal Communication. December 27, 2017. SD DENR-Drinking Water Program Environmental Scientist.
- Hamilton, L.J. 1986. Geology and Water Resources of Clark County, South Dakota Part II: Water Resources. Bulletin 29. SD DENR-Geological Survey. Vermillion, South Dakota.
- Hedges, L.S., Allen, J., and Holly, D.E. 1985. Evaluation of Ground-Water Resources Eastern South Dakota and Upper Big Sioux River, South Dakota and Iowa, Task 7: Ground Water Recharge; U.S. Army Corps of Engineers Contract DACW 45-80-C-0185.
- Hedges, L.S., S.L. Burch, D.L. Iles, R.A. Barari, and R.A. Schoon. 1982. Evaluation of Ground-water Resources in Eastern South Dakota and Upper Big Sioux River, South Dakota and Iowa. Task 1: Bedrock Topography and Distribution, Task 2: Extent of Aquifers, Task 3: Ground-Water Storage, Task 4: Computerized Data Base, Final Report; U.S. Army Corps of Engineers Contract DACW 45-80-C-0185.
- Water Rights. 1979-2017. "1979-2016 Irrigation Questionnaires": SD DENR-Water Rights Program, Joe Foss Building, Pierre, South Dakota.
- Water Rights. 2017a. Observation Well Files. SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, South Dakota.
- Water Rights. 2017b. Water Right/Permit Files. SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, South Dakota.
- Water Rights. 2017c. Well Completion Reports. SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, South Dakota.
- Water Rights. 1995. Findings of Fact, Conclusions of Law, and Final Decision in the Matter of Water Permit Application No. 2313-2, Coca-Cola Bottling Company of the Black Hills. DENR-Water Rights Program file for Water Right No. 2313-2. Pierre, South Dakota.

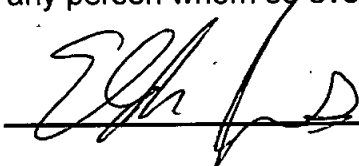
PRINTER'S AFFIDAVIT

STATE OF SOUTH DAKOTA,
COUNTY OF BEADLE: ss

I, ELDON JACOBS, being duly sworn on oath say that the PLAINSMAN is a daily paper published at Huron, Beadle County, South Dakota, and that said newspaper has a bona fide circulation of at least 250 copies daily; that said newspaper has been published within said county for fifty-two consecutive weeks immediately prior to this date, that said newspaper is printed in whole or in part, in an office maintained at said place of publication; that I am Legal Advertising Coordinator of said newspaper and know the facts herein state. The annexed notice headed:

DAKOTA FARMS- #3398 WATER RIGHTS

was published for one day, in said newspaper, and not in any supplement of the said newspaper, the publication was of the 10TH Day JANUARY 2018. That the full amount of the fee charged for publishing **THIRTY-FOUR & 80/100** dollars insures to the benefit of the publisher of said newspaper; that no agreement or understanding for the division thereof has been made with any other person, and that no part thereof has been agreed to be paid to any person whom so ever.



Subscribed and sworn to me before this 1ST Day of **FEBRUARY 2018**.



Notary Public, South Dakota

My term expires 03/11/2022
Legal #3398

F.P. 01-10-18

**NOTICE OF
APPLICATION**

**NO. 8318-3 to
Appropriate Water**

Notice is given that Fawn Lamb, PO Box 145, Carpenter SD 57322 has filed an application for a water permit to appropriate 0.022 cubic feet of water per second (10 gallons per minute) from one well completed into the Altamont Aquifer (37 feet deep) located in the NE 1/4 SE 1/4 Section 33-T114N-R59W for commercial use located in the town of Carpenter SD.

Pursuant to SDGL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 8318-3 with qualifications 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. The Chief Engineer's recommendation with qualifications, the application, and staff report are available at <http://denr.sd.gov/public> or contact Eric Gronlund for this information, or other information, at the Water Rights Program address provided below.

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 January 22, 2018.

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.

If the applicant does not contest the recommendation of the Chief Engineer and no petition to oppose the application is received, the Chief Engineer shall act on the application pursuant to the recommendation with no hearing held before the Water Management Board. 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 this application. Notice of the hearing will be given to the applicant and any person filing a petition.

Steven M. Pimer,
Secretary, Department of
Environment and Natural
Resources.
No. 3398 (adv.)

Published once at the
total approximate cost of
\$34.80.

RECEIVED

JAN 31 2018

WATER RIGHTS
PROGRAM

RECEIVED

JAN 12 2018

WATER RIGHTS
PROGRAM

Affidavit of Publication

State of South Dakota

§

County of Clark

NOTICE OF APPLICATION NO.
8318-3 to Appropriate Water

Notice is given that Fawn Lamb, PO Box 145, Carpenter SD 57322 has filed an application for a water permit to appropriate 0.022 cubic feet of water per second (10 gallons per minute) from one well completed into the Altamont Aquifer (37 feet deep) located in the NE 1/4 SE 1/4 Section 33-T114N-R59W for commercial use located in the town of Carpenter SD.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 8318-3 with qualifications 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. The Chief Engineer's recommendation with qualifications, the application, and staff report are available at <http://denr.sd.gov/public> or contact Eric Gronlund for this information, or other information, at the Water Rights Program address provided below.

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 January 22, 2018.

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.

If the applicant does not contest the recommendation of the Chief Engineer and no petition to oppose the application is received, the Chief Engineer shall act on the application pursuant to the recommendation with no hearing held before the Water Management Board. 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 this application. Notice of the hearing will be given to the applicant and any person filing a petition.

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

Published once at the
total approximate cost of \$26.90.
1-10-1t

William J. Krikac of said county, being first duly sworn, on oath says that he is the publisher of the *Clark County Courier*, a weekly newspaper printed and published in Clark in said County of Clark and has a full and personal knowledge of all the facts therein stated; that said newspaper is a legal newspaper and has a bona-fide circulation of at least two hundred copies weekly, and has been published within said County for fifty-two successive weeks next prior to the publication of the notice herein mentioned, and was and is printed wholly or in part in an office maintained at said place of publication; that the

**Fawn Lamb
PO Box 145
Carpenter, SD**

a printed copy of which taken from the paper in which same was published, is attached to this sheet, and is made a part of this Affidavit, was published in said newspaper at least once in each week for

One

successive week(s), on the day of each week on which said newspaper was regularly published, to wit:

January 10, 2018

that the full amount of the fees for the publication of the annexed notice is

\$26.90

William J. Krikac

Subscribed and sworn to before me this

10th day of January, 2018

Ann Helke

Notary Public
Clark County, South Dakota

My Commission expires: 06/04/2019

Schlaak, Karen

From: Schlaak, Karen
Sent: Wednesday, January 03, 2018 9:14 AM
To: 'rcrandall@plainsman.com'
Subject: FW: 8318-3, Fawn Lamb
Attachments: 8318-3public.short.docx; FORM8.FRM.doc

Attached is a notice to be published on January 10, 2018.

Fawn Lamb, PO Box 145, Carpenter SD 57322 (605 352-5999) has been notified to contact you to authorize publication and arrange for payment.

Please send the affidavit or return the attached Proof of Publication form ASAP to the Water Rights Program, 523 E Capitol, Pierre SD 57501.

Let me know if you have questions. Please acknowledge receipt of this email.

Karen Schlaak
SD DENR, Water Rights Program
(605) 773-3352



Schlaak, Karen

From: Schlaak, Karen
Sent: Wednesday, January 03, 2018 9:14 AM
To: courier@itctel.com
Subject: 8318-3, Fawn Lamb
Attachments: 8318-3public.short.docx; FORM8.FRM.doc

Attached is a notice to be published on January 10, 2018.

Fawn Lamb, PO Box 145, Carpenter SD 57322 (605 352-5999) has been notified to contact you to authorize publication and arrange for payment.

Please send the affidavit or return the attached Proof of Publication form ASAP to the Water Rights Program, 523 E Capitol, Pierre SD 57501.

Let me know if you have questions. Please acknowledge receipt of this email.

Karen Schlaak
SD DENR, Water Rights Program
(605) 773-3352





DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

denr.sd.gov

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

January 3, 2018

Fawn Lamb
PO Box 145
Carpenter SD 57322

Dear Ms. Lamb:

Water Permit Application No. 8318-3 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 Clark County Courier printed at Clark SD (Ph # 605-532-3654) and the Plainsman printed at Huron SD (Ph # 605-353-7414). You will need to contact the newspaper(s) and authorize publication of this notice. For your information, a copy of the notice, the recommendation of the Chief Engineer and 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(s) to authorize publication of your Notice and to arrange for payment. Early contact with the paper(s) can eliminate delays. Upon receiving authorization from you, the publisher has been instructed to publish your notice. 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
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.

NOTICE OF APPLICATION NO. 8318-3 to Appropriate Water

Notice is given that Fawn Lamb, PO Box 145, Carpenter SD 57322 has filed an application for a water permit to appropriate 0.022 cubic feet of water per second (10 gallons per minute) from one well completed into the Altamont Aquifer (37 feet deep) located in the NE 1/4 SE 1/4 Section 33-T114N-R59W for commercial use located in the town of Carpenter SD.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 8318-3 with qualifications 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. The Chief Engineer's recommendation with qualifications, the application, and staff report are available at <http://denr.sd.gov/public> or contact Eric Gronlund for this information, or other information, at the Water Rights Program address provided below.

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 January 22, 2018.

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.

If the applicant does not contest the recommendation of the Chief Engineer and no petition to oppose the application is received, the Chief Engineer shall act on the application pursuant to the recommendation with no hearing held before the Water Management Board. 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 this application. Notice of the hearing will be given to the applicant and any person filing a petition.

Steven M. Pirner, Secretary, Department of Environment and Natural Resources. Published once at the total approximate cost of _____.



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3182
<http://denr.sd.gov>

FEB 12 2018

Fawn Lamb
PO Box 145
Carpenter SD 57322

Dear Ms. Lamb:

Enclosed is Water Permit No. 8318-3 authorizing construction of the 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,

A handwritten signature in cursive script that reads "Jeanne Goodman".

Jeanne Goodman, Chief Engineer
Water Rights Program
(605) 773-3352

enclosures

8318-3

**NOTICE OF COMPLETION OF WORKS AND
APPLICATION OF WATER TO BENEFICIAL USE**

Date 2/27/18

TO: Water Rights Program, DENR
523 E. Capitol
Pierre, SD 57501-3181

RECEIVED

MAR 01 2018

**WATER RIGHTS
PROGRAM**

FROM:

Fawn Lamb

(name)

PO BOX 145

(address)

Carpenter, S.D. 57322 605-352-5999

(city, state, zip)

(phone)

I have completed the construction of the water use system and I have put the water to beneficial use to the maximum extent it is going to be used.

Water Permit No. 8318-3 states that the water use system is to be constructed by

1/22/2023, and water is to be put to beneficial use by 1/22/2027.

(date)

(date)

The water use system was completed on

6/27/17

(date)

Applying the water to beneficial use was completed on

7/25/17

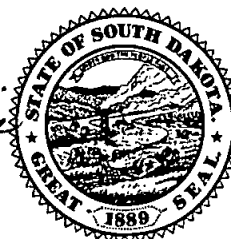
(date)

You may schedule an investigation so that the water license may be issued.

Fawn Lamb

(signature)

by Stretch's Well Service
Inc.





DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3182
<http://denr.sd.gov>

March 2, 2018

8318-3

Fawn Lamb
PO Box 145
Carpenter SD 57322

Dear Ms. Lamb:

I am writing to acknowledge receipt of the "Notice of Completion of Works" form that you sent in to let us know that you are completed with the water use system authorized under Water Permit No. 8318-3.

The system is now ready for inspection. Inspections are done on a county-by-county basis as staff time permits. You have done everything you need to do and the intervening time between the completion of your project and the staff inspection has no bearing on your water permit.

Someone from our office will contact you prior to the inspection to set up a time that is convenient for you. If you have any questions, please contact me.

Sincerely,

Genny McMath
Water Rights Program
(605) 773-3352
email: genny.mcmath@state.sd.us

Note: I am returning the copy of the permit you sent in. This is yours to keep.

8318-3



**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 E. CAPITOL AVE
PIERRE SD 57501-3182
danr.sd.gov

JUN 22 2023

Fawn Lamb
PO Box 145
Carpenter SD 57322

8318-3

Dear Ms. Lamb:

Enclosed is Water License No. 8318-3. 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.

For your information SDCL 46-6-27 requires that if in the future, the owner of an existing well, 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, State Water Laws provide that you have a continuing right to use the water. If you have any questions, please contact our office.

Sincerely,


Eric Gronlund, Chief Engineer
Water Rights Program
(605) 773-3352

enclosures

STATE OF SOUTH DAKOTA
WATER LICENSE NO. 8318-3

(1) Fawn Lamb, PO Box 145, Carpenter SD 57322, made Application No. 8318-3, October 30, 2017, for a water permit to divert 0.022 cubic feet of water per second from groundwater, one well (Altamont Aquifer), Clark County, South Dakota for commercial use purposes. Permit No. 8318-3, with a priority date of October 30, 2017, was approved January 22, 2018, and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before January 22, 2023, and for the application to beneficial use of water on or before January 22, 2027.

(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 0.022 cubic feet of water per second for beneficial use. The location of the diversion point is:

- 2,250 ft N & 225 ft W of the SE corner of Section 33, T114N, R59W (NE ¼ SE ¼)
(Latitude 44.63750 Longitude -97.91792)

(3) The permit holder has complied with the provisions of South Dakota State Law relating to the application of water to beneficial use. The water appropriated shall be used for commercial purposes and may not exceed the amount of water needed for beneficial use.

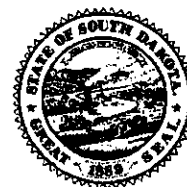
(4) Pursuant to South Dakota Water Law 46-5-30.1 Fawn Lamb, the holder and/or owner of Water Right No. 8318-3 is issued a license to appropriate water, the right to use 0.022 cubic feet of water per second (10 gallons per minute) from groundwater, one well (Altamont Aquifer), with a priority date of October 30, 2017, 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. 8318-3 and subject to the following qualification:

1. The well approved under this water right will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this water right shall control their withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.

Eric Gronlund
Eric Gronlund, Chief Engineer
Water Rights Program
Department of Agriculture and Natural Resources

JUN 22 2023
date



Report of Examination of Works and/or Application of Water to Beneficial Use For Permit No. 8318-3

I have this day, June 8, 2023, made a thorough examination of the water use system constructed by Fawn Lamb, PO Box 145, Carpenter, SD 57322 of Permit No. 8318-3, bearing the priority of October 30, 2017 authorizing the diversion of 0.022 cu. ft. per second of the waters of Altamont Aquifer for commercial use purposes, in Clark County.

A. Works used to divert the water:

Well Information:

- 1) Well Drilling Firm: Stretch Well Drilling
- 2) No. of Wells 1
- 3) Depth(s) 37 feet
- 4) Well log is available Y

Casing:

- 1) Diameter 5 inches
- 2) Length 17 feet
- 3) Type Plastic

Screen:

- 1) Type Plastic
- 2) Length 20 feet
- 3) Static water level Unknown feet

Pump:

- 1) Make Jet (above ground) ??
- 2) Model Unknown
- 3) Size Unknown
- 4) Capacity 10 GPM

Motor:

- 1) Make Unknown
- 2) Model No. Unknown
- 3) Horsepower rating Unknown hp

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

- 1) Type Buried PE
- 2) Size 2 inches
- 3) Length 140 feet

D. Compliance with Permit Requirements:

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

E. Condition and Location:

1. The system is in fair condition with the point(s) of diversion located as follows: WELL LOCATION
From the SE corner Sec 33 T114N R59W, 2250 ft N & 225 ft W, Lat 44.63750 Long -97.91792 (NE ¼
SE ¼)
2. The works are capable of diverting and conveying to the place of use 0.022 cu. ft. per second of water which is to be used for commercial purposes.
3. All structures, wells and lands on map Y

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

The pump rate reported in the well log data set was used to establish the system flow capacity.

The mailing address and the telephone number in the permit materials are current

I talked to Fawn Lamb during the field inspection visit.



Darrell W DeBoer
Water Rights Inspector
DANR, Water Rights Program

Date report completed: June 19, 2023



0 0.05 0.1 0.2 0.3 0.4 Miles



Darrell DeBoer
Water Right Inspector
DANR-Water Rights Program