

WATER PERMIT NO. 8414-3

Name of Applicant: Geronimo Energy

Address: 15883 419th Ave, Conde SD 57434 Phone: 309 846-2572

Amount of Water Claimed: 5 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: 13 miles north and 5 miles west of Clark

PRIORITY Date Received: 11-12-19 Application/License Fee: \$ 300

Corrected Application Received: Period of Annual Use: Jan 1 – Dec 31

Remarks:

Diversion Point: NW 1/4 SE 1/4 Sec 30-T119N-R58W

Land to be Irrigated: NA

Depth of Well: 385 feet deep

Well Driller: Stretch's Well Service

Remarks:

Type of Map: plat

Prepared by:

Reviewed and the Number Assigned on: 11-12-19

By: **Karen Schlaak**

Notice of Hearing - date to intervene: _____

			30		
			⊗		

**SOUTH DAKOTA
WATER PERMIT NO. 8414-3**

Date of first receipt of application November 12, 2019.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 8414-3 to Geronimo Energy, 15883 419th Ave, Conde SD 57434 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. 8414-3 appropriates less than 1 acre-feet of water annually at a maximum pump rate of 0.011 cubic feet of water per second from one well completed into the Altamont Aquifer (385 feet deep) located in the NW 1/4 SE 1/4 Sec 30-T119N-R58W. This site is located approximately 13 miles north and 5 miles west of Clark 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. 8414-3 is February 10, 2020.
5. The date from which applicant may claim right is November 12, 2019.
6. One-fifth of the construction is to be completed on or before August 10, 2022.
7. All construction is to be completed on or before February 10, 2025.
8. Water is to be put to beneficial use on or before February 10, 2029.
9. Water rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

QUALIFICATIONS

1. 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.
2. The permit holder shall report to the Chief Engineer annually the amount of water withdrawn from the Altamont aquifer.
3. Water Permit No. 8414-3 authorizes a total annual diversion of 1.0 acre foot of water.

WATER MANAGEMENT BOARD

By: *Jeanne Goodman*

Jeanne Goodman, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

FEB 20 2020

date



RECEIVED

NOV 12 2019

SD EForm - 1585LD V5

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

PAID

NOV 12 2019

Ck# 12730

Mail to: DENR - Water Rights 523 E Capitol Ave Pierre, SD 57501-3182 ph. (605) 773-3352	No. <u>8414-3</u> (office use only) Hydrologic Unit <u>10160010</u>
	Basin <u>James River</u>
	Newspaper <u>Clark County Courier</u>
	<u>Public Opinion</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 Geronimo EnergyMailing Address 15883 419th Ave

(Address)

Conde _____

(City)

☒ SD☒ 57434

(State)

(Zip Code)

Phone (952) 988-9000Mobile 309-846-2572Email jsimmons@geronimoenergy.com**2. Amount of water claimed** 0.011 *CFS or 5 **GPM and 1 ***AF or 14,000 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** Well**4. Location of point of diversion** NW 1/4 SE 1/4 Sec 30-T119N-R58W 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** Jan 1 - Dec 31**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)**

I, James Simmons Plant Manager, 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.

2015-10

Attachments: Attach Form 2A if diversion is from a well or dugout, or if storage of water is proposed. Also, attach map and any other technical information. (see instructions)

Supplemental Information

(type or print)

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 Stretch's Well Service Inc. # 722
(if yes, please provide copies of logs)

b) If existing wells, how many Provide copy of log(s), if available. Drilled by

For either Existing or Proposed Wells:

c) Well Depth (required) 385 Depth to Top of Water Bearing Material 360 Depth to Water from Surface 147

d) Distance to nearest domestic well on applicant's property Property owned by others

2. Wastewater Disposal System Information

a) Type of System (i.e. septic tank, drain field) Septic tank and drain field

b) System Capacity (gallons) 1,000 Year Constructed 2019

c) Connected to the City of Sanitary System

3. Dugout Information

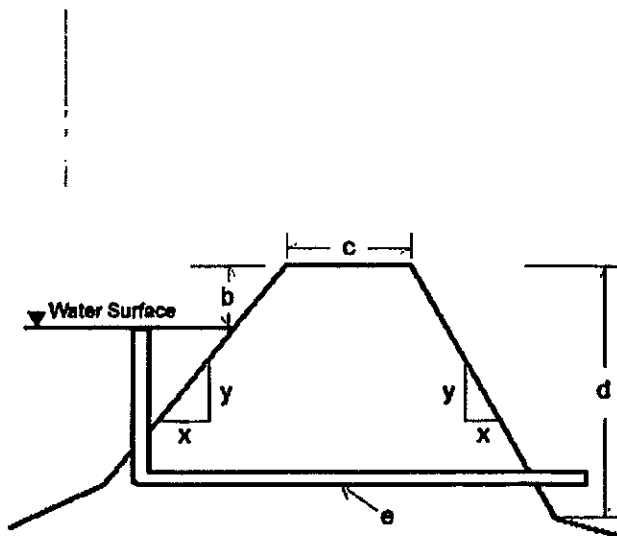
a) Surface Dimensions Depth

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

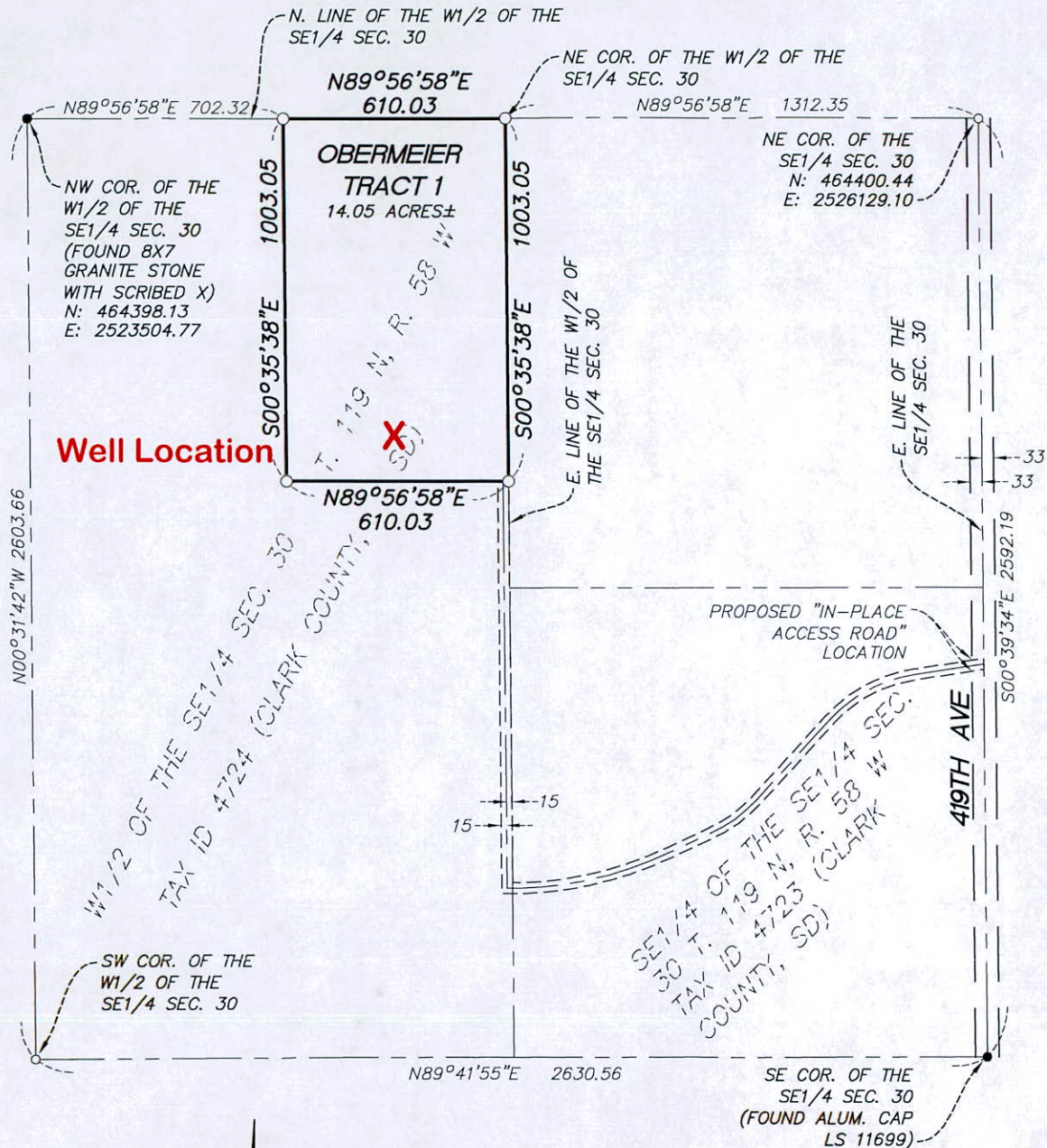
Downstream

h) Surface Area of Impoundment

i) Storage Acre Feet

j) Drainage Area Above Dam Acres

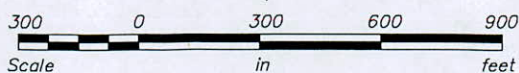
**PLAT SHOWING
OBERMEIER TRACT 1
IN THE SE1/4 OF SECTION 30
TOWNSHIP 119 NORTH, RANGE 58 WEST OF THE
5TH P.M., CLARK COUNTY, SOUTH DAKOTA**

**LEGEND:**

- Found Monument (as noted)
- Set 1/2" rebar with cap LS 10170

BA818 OF BEARING8:

Bearings shown are based on South Dakota State Plane Coordinate System, North Zone, U.S. survey feet (2011 adjustment). Distances shown are ground distances, coordinates listed are state plane grid coordinates.

**Westwood**

Phone (320) 253-9495 3701 12th Street North, Suite 206
Fax (320) 358-2001 St. Cloud, MN 56303
Toll Free (800) 270-9495 www.westwoodps.com
Westwood Professional Services, Inc.

Crocker Wind Farm

SD EForm - 1621LD V1

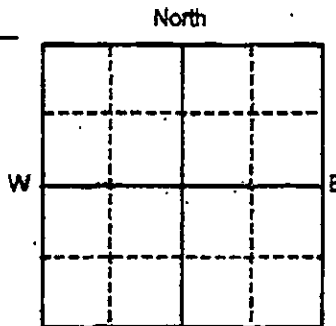
SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location 1/4 1/4 Sec 30 Twp 119N Rg 58W

County Clark

Please mark well location with an "X"



Well Completion Date

7-12-19

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
250 LB/FT	5 IN	365 FT	385 FT	7 1/8 IN
250 LB/FT	5 IN	165 FT	365 FT	7 1/8 IN
200 LB/FT	5 IN	0 FT	165 FT	7 1/8 IN

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
#20	15	Lb/gal	0 FT	360 FT

Describe grouting procedure

Tremie Pipe

SCREEN:

☐ Perforated pipe ☒ Manufactured

Diameter 5 inches Length 20 Feet

Material PVC

Slot Size 1025 Set From 365 Feet to 385 Feet

Other Information

WAS A PACKER OR SEAL USED? ☒ Yes ☐ No

If so, what material? Expanding Plug

Describe packer(s) and location. above Screen

DISINFECTION: Was well disinfected upon completion?

☒ Yes, How? Chlorine

Lab to which water quality sample sent for analysis

Well Owner:

Business Name: Crocker Wind Farm

Address:

City, State, Zip:

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
Top Soil	0	2
Yellow Clay	2	35
Blue Clay	35	365
Course Red Rock	365	380
Med. Sand	380	385

STATIC WATER LEVEL

147

FEET

If flowing: closed in pressure

PSI

GPM flow

through

Inch pipe

Controlled by

☐ Valve

☐ Reducers

☐ Other

Reduced flow rate

GPM

Can well be completely shut in?

WELL TEST DATA:

☒ Pumped Describe:

Submersible

☐ Bailed

☐ Other

Pumping Level Below Land Surface

760 FL After 10 Hrs. pumped 5 GPM

FL After Hrs. pumped GPM

If pump installed, pump rate: GPM

REMARKS

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:

Tom Pothoff

Signature of Well Owner or Equitable Property Holder:

Brett Schneider

Date: 8-9-19

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date November 12, 2019

RECEIVED OF Raeco Builders LLC 15883 419th Ave Conde SD 57434

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

Fee for Application for Permit No. <u>8414-3</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>8414-3</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. **09246**

By Jeanna Goodman
Chief Engineer jm



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. 8414-3, Geronimo Energy**

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. 8414-3, Geronimo Energy, c/o James Simmons, Plant Manager, 15883 419th Avenue, Conde SD 57434.

The Chief Engineer is recommending APPROVAL of Application No. 8414-3 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 qualifications:

1. 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.
2. The permit holder shall report to the Chief Engineer annually the amount of water withdrawn from the Altamont aquifer.
3. Water Permit No. 8414-3 authorizes a total annual diversion of 1.0 acre foot of water.

See report on application for additional information.


Jeanne Goodman, Chief Engineer
January 22, 2020

Report to the Chief Engineer
Water Permit Application No. 8414-3
Geronimo Energy
January 21, 2020

Water Permit Application No. 8414-3 proposes to appropriate water at a maximum instantaneous diversion rate of 0.011 cubic feet per second (cfs) (approximately 5 gallons per minute) from the Altamont aquifer for commercial use. The diversion point is one existing well (385 feet deep) located in the NW ¼ SE ¼ Section 30-T119N-R58W approximately 13 miles north and 5 miles west of Clark, SD. The application indicates the proposed appropriation is for less than one acre-foot of water per year.

Aquifer: Altamont (A)

Hydrogeologic Information and Aquifer Characteristics

Hedges et al. (1982) estimated the Altamont aquifers collectively underlie in excess of 1,672,800 acres of Beadle, Brookings, Brown, Clark, Codington, Day, Deuel, Grant, Hamlin, Kingsbury, Marshall, Roberts, and Spink Counties and contains in excess of 7,197,360 acre-feet of recoverable water. In Clark County, the Altamont aquifer is estimated to underlie about 537,200 acres with an estimated 3,326,400 acre-feet of recoverable water in storage (Hedges et al., 1982). The Altamont aquifer is generally under confined conditions (Water Rights, 2020a).

Hamilton (1986) identified six major glacial aquifers in Clark County. The aquifers were classified based on elevation. The three aquifers of higher elevation were classified as Prairie Coteau aquifers 1, 2, and 3, and the three aquifers of lower elevation were classified as Altamont aquifers 1, 2, and 3 (Hamilton, 1986). Based on the approximate elevation of aquifer material and the location of the well site for this application, the well for this application is completed into the Altamont 2 aquifer (Hamilton, 1986). The Altamont 2 aquifer is a buried glacial outwash aquifer that is made up of very coarse sand and gravel and sandy silt (Hamilton, 1986). The aquifer underlies 630 square miles (approximately 403,200 acres) of Clark County and contains an estimated 3.23 million ac-ft of water (Hamilton, 1986). Hamilton (1986) notes the Altamont 2 aquifer is hydraulically connected to the Altamont 3 aquifer near the western part of the Clark County and the Altamont 1 aquifer near the center of the county.

For water management purposes, the Altamont aquifer has not been subdivided into management units by the Water Rights Program and the Water Management Board. Historically water availability has been reviewed for the entire Altamont aquifer when considering a new application (Water Rights, 2020b). However, more recent reviews have examined water availability in the aquifer on a more localized scale. For Clark County, the DENR-Water Rights Program has not historically differentiated between units and considered all the deeper and hydraulically connected outwash deposits in Clark County the Altamont aquifer (Water Rights, 2020b).

The well completion report submitted with this application indicates the proposed well for this application is completed into coarse pea rock from 365 to 380 feet below grade and medium sand from 380 to 385 feet below grade. The static water level at the time of completion (July 12, 2019) was 147 feet below grade. This indicates that the aquifer is under confined conditions at the

well site for this application, and at the time of well completion there was 218 feet of artesian head pressure.

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 there is unappropriated water available for the applicant's proposed use, the proposed diversion can be developed without unlawful impairment of existing rights, and the proposed use is a beneficial use and in the public interest. This report will address the availability of unappropriated water and potential effects on existing rights from the aquifer that are pertinent to this application.

Water Availability

Water Permit Application No. 8414-3 proposes to appropriate water from the Altamont aquifer for commercial use. The probability of unappropriated water being available from an 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 the application is for a water distribution system defined pursuant to SDCL 46-1-6 (17), the Board need not consider the recharge/withdrawal issue. The Altamont aquifer is not older or lower than the Greenhorn Formation, therefore the withdrawal/recharge issue must be considered.

Observation Wells

In determining the availability of unappropriated water for a permit application, Administrative Rule of South Dakota 74:02:05:07 requires the Water Management Board to rely on 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 annual recharge.

The Water Rights Program monitors 31 observation wells completed into the Altamont aquifer, 22 of which are located in Clark County (Water Rights, 2020a). In general, observation wells monitoring the Altamont aquifer show either rising or relatively stable water levels when comparing the start of the period of record to recent water level readings with fluctuations in response to climatic conditions. Some wells also document seasonal pumping of nearby irrigation wells but return to pre-irrigation pumping levels with the end of the irrigation season and spring recharge.

Water levels in the observation wells monitoring the aquifer generally rise during wet periods and gradually decline during dry periods or remain relatively stable. This indicates that natural conditions dominate the aquifer, and recharge to and natural discharge from the aquifer exceeds pumping. Since recharge to and natural discharge from an aquifer can be captured for pumping, there is a reasonable probability that unappropriated water is available from the Altamont aquifer in South Dakota. The nearest observation wells are observation well CK-78A and observation well CK-76A. The hydrographs for these observation wells are shown in Figure 1 and Figure 2.

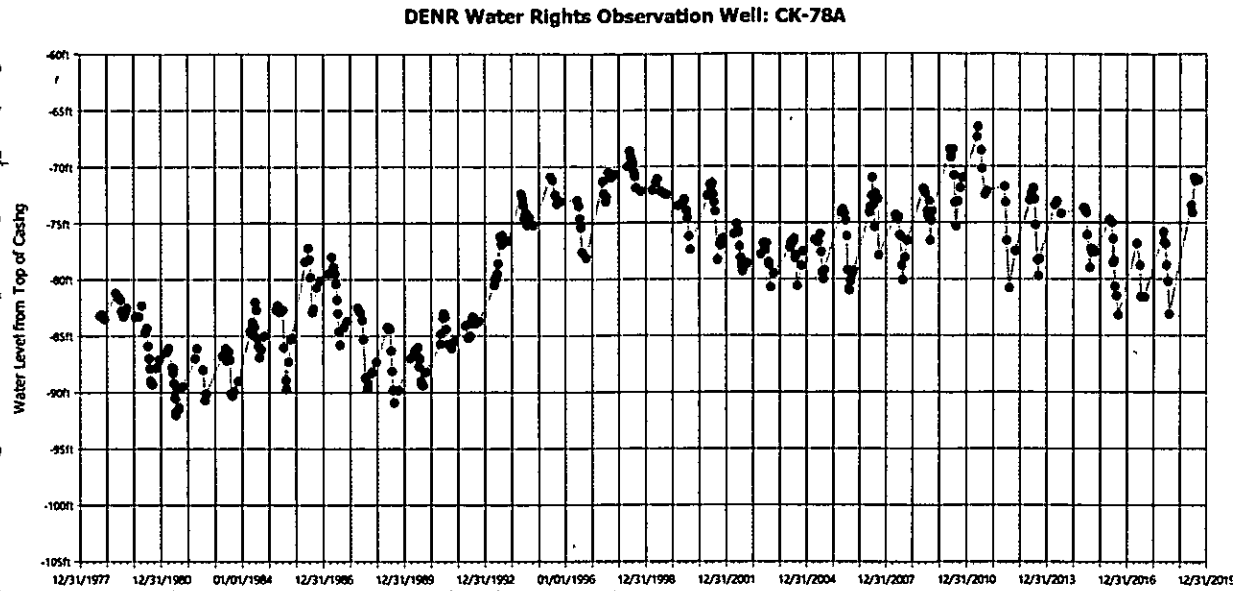


Figure 1: Hydrograph of Observation Well CK-78A located approximately 3.9 miles west-southwest of the proposed well location for this application (Water Rights, 2020a)

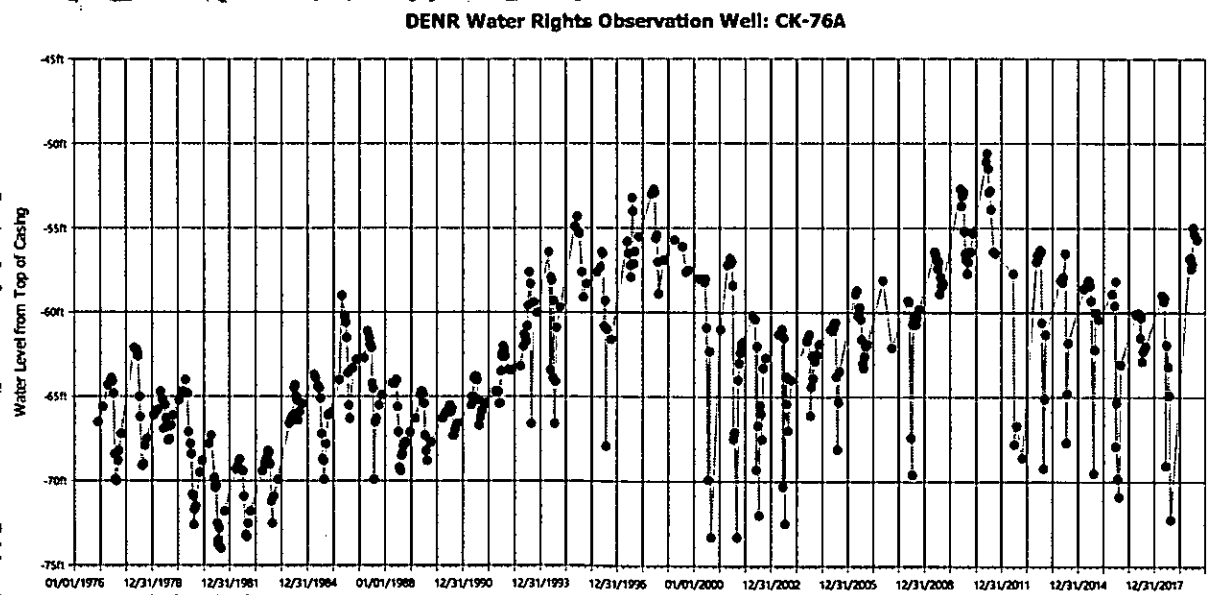


Figure 2: Hydrograph of Observation Well CK-76A located approximately 5.0 miles west-northwest of the proposed well location for this application (Water Rights, 2020a)

Hydrologic Budget

Recharge

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

Hedges et al. (1985) estimates average annual recharge to the unconfined portion of the Altamont aquifer at 2.2 inches per year. However, the Altamont aquifer is primarily confined over its entire extent and the extent of the unconfined portion of the aquifer has not been delineated. For confined aquifers, Hedges et al. (1985) recommended recharge rates of 0.15 to 0.60 inches per year for use by management and development programs. Since the Altamont aquifer is primarily a confined aquifer, the recommended recharge range for confined aquifers will be used to examine the hydrologic budget of the Altamont aquifer. The estimated range of average annual recharge based on the area of Hedges et al. (1982) and the recommended recharge rate for confined aquifers from Hedges et al. (1982) is 20,910 to 83,640 acre-feet per year for the Altamont aquifer in South Dakota and for just Clark County the estimated average annual recharge range is 6,715 to 26,860 acre-feet per year. Applying just the lowest of the presented recharge values (0.15 inches per year) over just Hamilton's (1986) estimated Clark County Altamont 2 aquifer area results in an estimated recharge of approximately 5,040 acre-feet per year.

Withdrawals

Discharge from the Altamont aquifer in Clark County is primarily through groundwater outflow to other counties and well withdrawals (Hamilton, 1986). There are currently 77 water rights/permit authorized to appropriate water for the Altamont aquifer and two future use permits (Water Rights, 2020b). Due to their relatively low diversion rates, withdrawals from domestic wells are not considered to be a significant portion of the hydrologic budget. Additionally, with the development of rural water in areas where the Altamont aquifer is the uppermost aquifer available, domestic users may have transitioned to rural water since in general rural water provides better water quality than direct domestic use of the Altamont aquifer.

There are 53 irrigation water rights/permits currently authorized to appropriate water from the Altamont aquifer. Reported irrigation usage from the Altamont aquifer is shown in Figure 5. Average yearly reported irrigation pumpage for the data in Figure 3 is 2,393 acre-feet per year. For just Clark County, average yearly reported irrigation pumpage for the data in Figure 3 is 1,806 acre-feet per year.

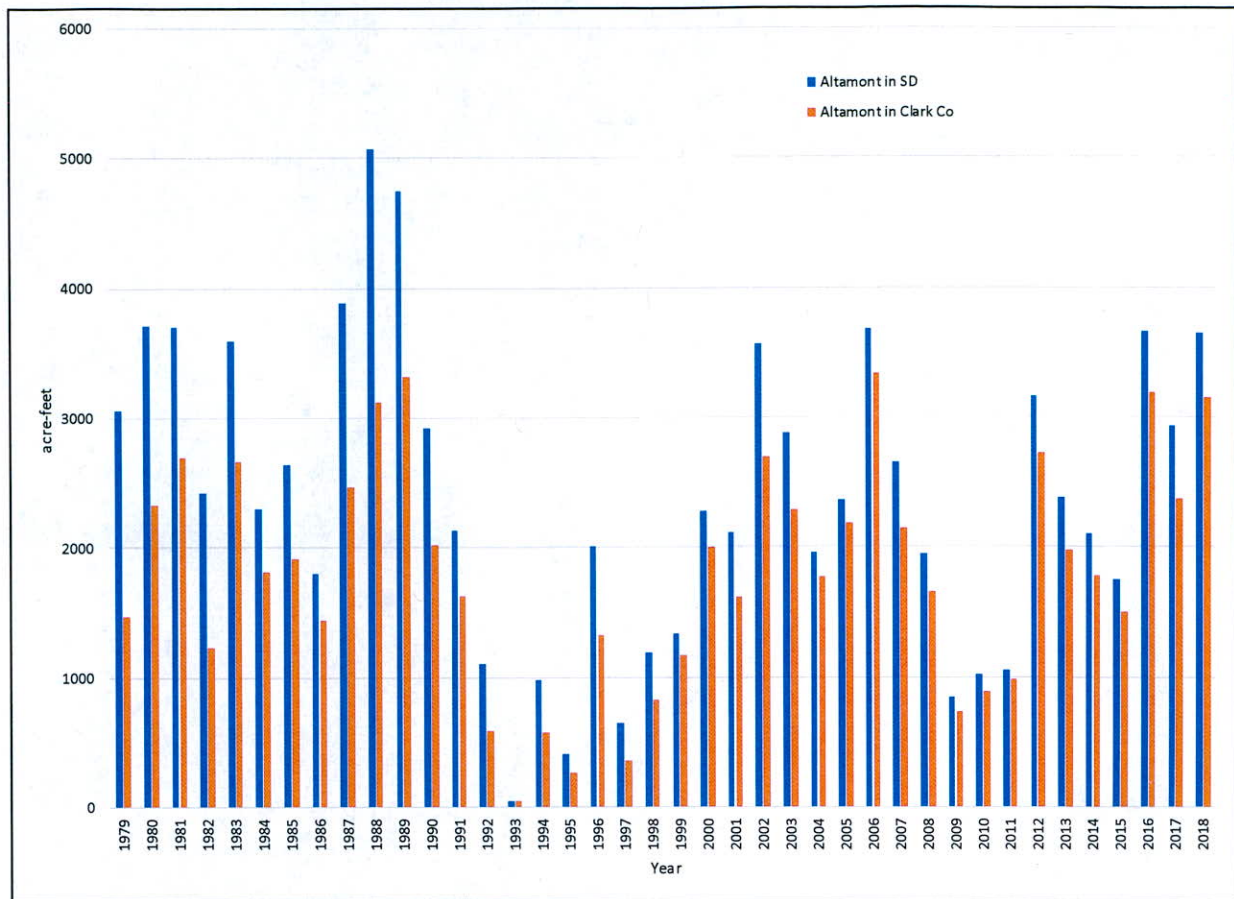


Figure 3: Reported irrigation pumpage over the period of record from the Altamont aquifer for all of South Dakota and for only Clark County, South Dakota (Water Rights, 1980-2019)

There are two future use permits reserving water from the Altamont aquifer for the Towns of Henry (Permit No. 4052-3) and Wallace (Permit No. 4054B-3); however, both communities are on rural water so full development of these permits is unlikely (Friedeman, 2020). However, when estimating water use for future use permits it is assumed that future use permits will be fully developed, therefore estimated water use for these permits is 881 acre-feet per year. Historically, average water use by non-irrigation appropriations limited by instantaneous diversion rate has been less than 60% of full time pumping at the permitted diversion rate, and water rights/permit limited by an annual volume are assumed to use up to the annual volume limitation. The Cities of Arlington, Roslyn, Bristol, Clark, Wallace, Andover, Reville, and Brandt all obtain their water from rural water systems; either with a city hook up or individual connections (Friedeman, 2020). Therefore, water use under these water rights is expected to be minimal with the water right maintained primarily for emergency purposes (i.e. backup or fire protection). Estimated average annual water use for the remaining non-irrigation water rights/permits is estimated to be 2,579 acre-feet per year. Therefore, average non-irrigation annual appropriative withdrawals from the aquifer and future use are estimated to be less than 3,460 acre-feet per year with 1,234 acre-feet per year just in Clark County.

Balance

Total average annual appropriative water use from the Altamont aquifer is estimated to be approximately 5,854 acre-feet per year and in just Clark County approximately 3,040 acre-feet per year. Estimated average annual recharge to the aquifer is 20,910 to 83,640 acre-feet per year and the lowest estimated recharge for just Hamilton's (1986) Clark County Altamont 2 is approximately 5,040 acre-feet per year. Although average annual withdrawals were not specifically estimated for Hamilton's (1986) Clark County Altamont 2, estimated average annual appropriative withdrawals from of all water rights/permits completed into the Altamont aquifer in Clark County are less than the lowest estimated value for average annual recharge to just Hamilton's (1986) Clark County Altamont 2. Therefore, there is a reasonable probability that unappropriated water is available in the Altamont aquifer for the appropriation proposed by this application.

Existing Users

The approximate well locations for this application and the nearest water rights/permits are shown in Figure 4 and summarized in Table 1. The nearest water right/permit to the well site for this application is for Water Right No. 5461-3 for industrial use located approximately 2.7 miles to the southeast (Water Rights, 2020b). A review of well completion reports on file with the Water Rights Program in the area of the well locations for this application indicates there are domestic wells in the area that are likely completed into Altamont aquifer (Water Rights, 2020c).

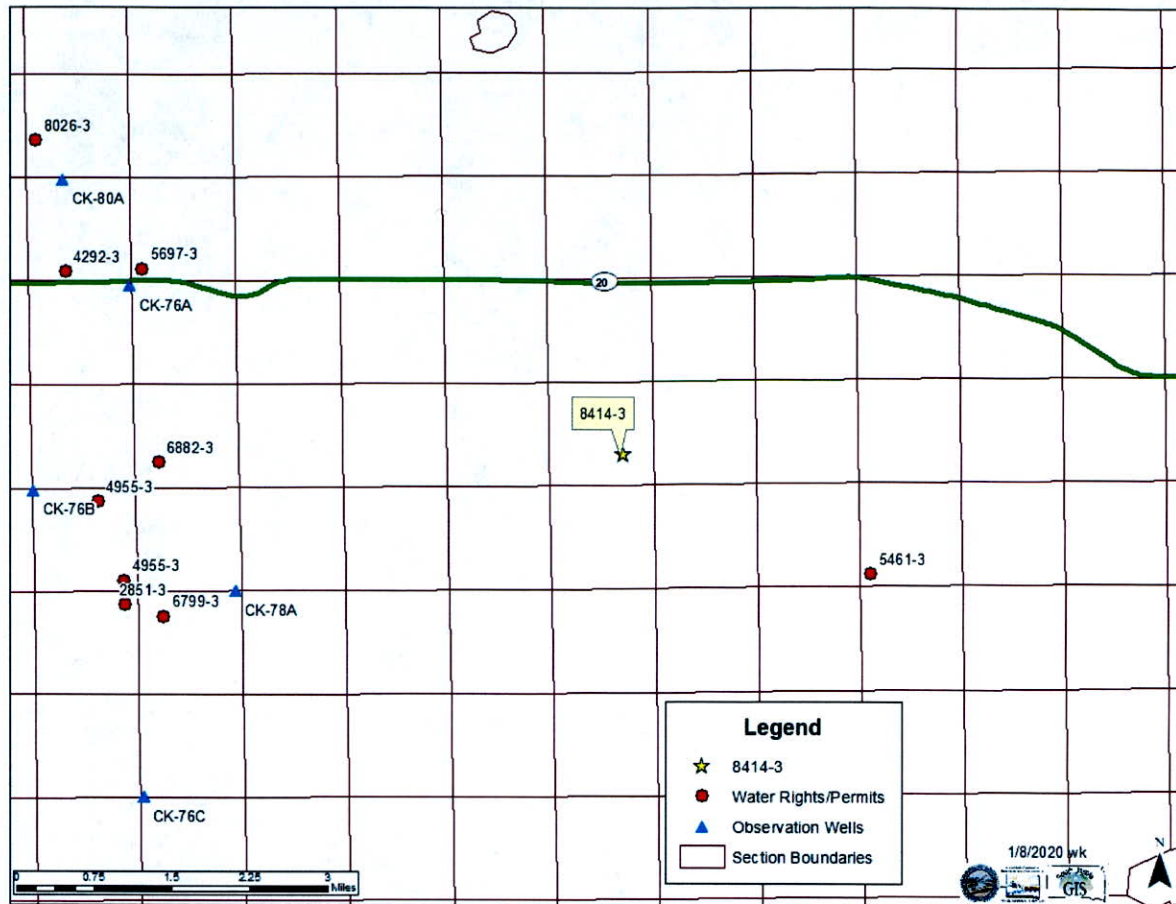


Figure 4: Water rights/permits currently authorized to appropriate water from the Altamont aquifer in the area of the well location for Application No. 8414-3 (Water Rights, 2020a and Water Rights, 2020b)

Table 1: Summary of Water Rights/Permits in Figure 4 (Water Rights, 2020b)

Permit No.	Name	Status	Use	Rate (cfs)	Acres
2851-3	DAVID HUBER	LC	IRR	2	164
4292-3	STANLEY S SCHULZ	LC	IRR	1.78	264
4391-3	CHARLES L BOYNTON	LC	IRR	1.89	264
4955-3	DAVID HUBER	LC	IRR	4.01	404.9
5461-3	NORTHERN BORDER PIPELINE	LC	IND	0.056	n/a
5697-3	DAN REPPE	LC	IRR	1.89	132
6799-3	CHARLES L BOYNTON	PE	IRR	2	160
6882-3	DALE A BOYNTON	PE	IRR	2	160
8026-3	WILLIAM V HEARNEN	PE	IRR	1.11	98

LC- license, PE-permit, IRR- irrigation, IND- industrial

The exact amount of drawdown as the result of pumping due to this proposed diversion cannot be quantified without more extensive aquifer testing. Since the aquifer is under confined conditions in the area of the well, some amount of drawn down from pumping is expected. The diversions under this permit, if approved, would not be expected to adversely impact adequate

wells or existing water rights in the area. The well completion report submitted with this application indicated at the time of completion (July 2019) there was 218 feet of artesian head pressure. Given the artesian head pressure in the area, the relatively low diversion rate proposed by this application, and the response of observation wells in the area to the pumping of existing water rights/permits, there is a reasonable probability that this application, if approved, will not unlawfully impair existing water rights/permits or domestic users with adequate wells.

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. Administrative Rule of South Dakota (ARSD) 74:02:04:20(7) defines an adversely impacted domestic well 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.” In the case of Water Permit Application No. 2313-2 for the Coca-Cola Bottling Company of the Black Hills, the Water Management Board adopted findings that noted that if the increased costs or decreased production as a result of the impacts of legitimate users on artesian head pressure could be considered an adverse impact it would conflict with SDCL 46-1-4 (Water Rights, 1995). SDCL 46-1-4 requires the water resources of the state be put to beneficial use to the maximum extent of which they are capable (Water Rights, 1995).

Aquifer History in Clark County

There have been several controversies regarding springs and well interference involving the Altamont aquifer in Clark County that are summarized in detail in two reports authored by Buhler (2012; 2014). The most recent of these controversies was in 2004 (Buhler, 2014). The nearest of these controversies involved the now canceled Water Right No. 2805-3 located approximately 6.0 miles to the northwest of the well site for this application (Water Rights, 2020b). This complaint involved concern that one irrigation well was impairing another irrigation well, however when Water Rights Staff investigated, they concluded that unlawful impairment was not occurring (Buhler, 2014). The only substantiated complaint involving a spring in the county was in 1975 where the spring was located within the radius of influence of the pumping irrigation well, however except for the 1975 complaint, the complaints and concerns about pumping from the Altamont aquifer interfering with area springs have been unsubstantiated (Buhler, 2014; Water Rights, 2020b).

Springs with the Altamont aquifer as a water source are typically the result of downward sloping terrain along the edge of the Coteau Des Prairies incising area aquifers. Small fluctuations in the water levels of the incised aquifers could have an effect on the discharge from springs. In examining the hydrographs for nearby observation wells (Figures 1-2), there are fluctuations in the water level of the aquifer in the area of the well site for this application of approximately 25 feet over the period of record. Given the amount of existing water level fluctuation in the aquifer and lack of documented interference with springs as a result of pumping from the Altamont aquifer since 1975, adverse impacts to these springs are not anticipated from the diversion proposed by this application. The well site for this application is approximately two miles from the top of the

western slope of the Coteau. Additionally, give the very low diversion rate (0.011 cfs) requested by this application, this application, if approved, is not expected to have any impact on area springs.

Conclusions

1. Water Permit Application No. 8414-3 proposes to appropriate water at a maximum instantaneous diversion rate of 0.011 cfs (approximately 5 gallons per minute) from the Altamont aquifer for commercial use from one existing well (385 feet deep) located in the NW ¼ SE ¼ Section 30-T119N-R58W.
2. Based on a review of the South Dakota hydrologic budget and the observation well information for the Altamont aquifer, there is a reasonable probability that unappropriated water is available in the aquifer for the applicant's proposed use as required by SDCL 46-2A-9.
3. There is a reasonable probability that this application, if approved, will not unlawfully impair existing water rights/permits or domestic users with adequate wells.



Whitney Kilts

SD DENR-Water Rights Program

References

- Buhler, K. 2012. Report to the Chief Engineer on Water Permit Application No. 7419-3. SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, SD.
- Buhler, K. 2014. Report to the Chief Engineer on Water Permit Application No. 8026-3. SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, SD.
- Friedeman, B. 2020. Environment Scientist. SDDENR-Drinking Water Program, Pierre, SD. Personal Communication. January 9, 2020.
- Hamilton, L.J. 1986. Geology and Water Resources of Clark County, South Dakota; Part II: Water Resources. South Dakota Geologic Survey Bulletin 29. Vermillion, SD.
- Hedges, L.S., Burch, S. L., Iles, D. L., Barari, R. A., and Schoon, R. A. 1982. Evaluation of Ground-Water Resources Eastern South Dakota and Upper Big Sioux River, South Dakota, and Iowa. Task 3: Ground-Water Storage. U.S. Army Corps of Engineers Contract DACW 45-80-C-0185.
- 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.

Water Rights. 1980-2019. 1979-2018 Irrigation Questionnaire Data: SD DENR-Water Rights Program, Joe Foss Building, Pierre, South Dakota.

Water Rights. 1995. Water Rights File No. 2313-2 Coca-Cola Bottling Company of the Black Hills. SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, South Dakota.

Water Rights. 2020a. Observation Well Files, SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, SD.

Water Rights. 2020b. Water Right/Permit Files. SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, South Dakota.

Water Rights. 2020c. Well Completion Reports. SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, South Dakota.

Schlaak, Karen

From: Schlaak, Karen
Sent: Wednesday, January 22, 2020 8:28 AM
To: jsimmons@geronimoenergy.com
Subject: Water Permit Application No. 8414-3
Attachments: 8414-3.pdf

Mr. Simmons:

Attached is the report, chief engineers recommendation and information regarding the public notice for Water Permit Application No. 8414-3. As stated in the letter, is it important for you to contact the two newspapers to authorize publication and arrange for payment ASAP in order for the notice to be published next week on January 29th. Paper copies to you in the mail today.

Let me know if you have questions.

Karen Schlaak

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



RECEIVED

FEB 03 2020

Form 8

WATER RIGHTS
PROGRAM

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)

County of Codington) SS

I, Jackie Wettstad

certify that the attached printed Notice was
taken

from the Watertown

Public Opinion

printed and published in Watertown

County of Codington and

state of South Dakota. The notice was
published

in the newspaper on the following date:

January 29, 2020

Cost of Printing \$43.55

Jackie Wettstad
(Signature)

Office Manager
(Title)

1-29-2020
(Date Signed)

GERONIMO
ENERGY

NOTICE OF APPLICATION NO. 8414-3
to Appropriate Water

Notice is given that Geronimo Energy, c/o James - Simmons, Plant Manager, 15883 419th Ave, Conde SD 57434 has filed an application for a water permit to appropriate less than 1 acre-foot of water annually at a maximum pump rate of 0.011 cubic feet of water per second from one well completed into the Allamont Aquifer (385 feet deep) located in the NW 1/4 SE 1/4 Sec 30-T119N-R58W for commercial use. This site is located approximately 13 miles north and 5 miles west of Clark SD. Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 8414-3 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 (605773-3352)" and the applicant's mailing address is given above. A petition filed by either an interested person or the applicant must be filed by February 10, 2020. 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. Published once at the approximate cost of \$38.55.
(January 29, 2020)

RECEIVED

JAN 31 2020

WATER RIGHTS
PROGRAM

Affidavit of Publication

State of South Dakota

§

County of Clark

NOTICE OF APPLICATION NO.
8414-3 to Appropriate Water

Notice is given that Geronimo Energy, c/o James Simmons, Plant Manager, 15883 419th Ave, Conde SD 57434 has filed an application for a water permit to appropriate less than 1 acre-feet of water annually at a maximum pump rate of 0.011 cubic feet of water per second from one well completed into the Altamont Aquifer (385 feet deep) located in the NW 1/4 SE 1/4 Sec 30-T119N-R58W for commercial use. This site is located approximately 13 miles north and 5 miles west of Clark SD.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 8414-3 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 February 10, 2020.

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.

Published once at the
total approximate cost of \$27.26.
1-29-1t

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

Geronimo Energy

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

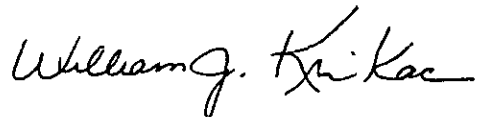
One

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

January 29, 2020

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

\$27.26



Subscribed and sworn to before me this

30th day of January, 2020



Notary Public
Clark County, South Dakota

My Commission expires: 06/04/2025

Schlaak, Karen

From: Schlaak, Karen
Sent: Wednesday, January 22, 2020 8:22 AM
To: Watertown Public Opinon (legals@thepublicopinion.com)
Subject: 8414-3, Geronimo Energy
Attachments: 8414-3public.short.docx; FORM8.FRM.doc

Attached is a notice to be published on January 29, 2020.

Geronimo Energy, c/o James Simmons, Plant Mgr, 15883 419th Ave, Conde SD 57434 (309 846-2572) 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 22, 2020 8:21 AM
To: 'courier@itctel.com'
Subject: 8414-3, Geronimo Energy
Attachments: 8414-3public.short.docx; FORM8.FRM.doc

Attached is a notice to be published on January 29, 2020.

Geronimo Energy, c/o James Simmons, Plant Mgr, 15883 419th Ave, Conde SD 57434 (309 846-2572) 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 NEWSPAPERS RIGHT AWAY.**

January 22, 2020

Geronimo Energy
c/o James Simmons, Plant Manager
15883 419th Ave
Conde SD 57434

Dear Mr. Simmons:

Water Permit Application No. 8414-3 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 Public Opinion printed at Watertown SD (Ph # 605 886-6901). You will need to contact the newspapers 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 newspapers to authorize publication of your Notice and to arrange for payment. Early contact with the papers 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
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. 8414-3 to Appropriate Water

Notice is given that Geronimo Energy, c/o James Simmons, Plant Manager, 15883 419th Ave, Conde SD 57434 has filed an application for a water permit to appropriate less than 1 acre-feet of water annually at a maximum pump rate of 0.011 cubic feet of water per second from one well completed into the Altamont Aquifer (385 feet deep) located in the NW 1/4 SE 1/4 Sec 30-T119N-R58W for commercial use. This site is located approximately 13 miles north and 5 miles west of Clark SD.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 8414-3 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 February 10, 2020.

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.

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 20 2020

Geronimo Energy
c/o James Simmons
15883 419th Ave
Conde SD 57434

Dear Mr. Simmons:

Enclosed is Water Permit No. 8414-3 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 black ink, reading "Jeanne Goodman". The signature is fluid and cursive, with the first name "Jeanne" being more prominent.

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

enclosures

Report of Examination of Works and/or Application of Water to Beneficial Use For Permit No. 8414-3

I have this day, Oct 14, 2024, made a thorough examination of the water use system constructed by Geronimo Energy, 15883 419th Ave, Conde, SD 57434 of Permit No. 8414-3, bearing the priority of November 12, 2019 authorizing the diversion of 0.011 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: Strech's Well Service
- 2) No. of Wells 1
- 3) Depth(s) 385 feet
- 4) Well log is available Y

Casing:

- 1) Diameter 5 inches
- 2) Length 365 feet
- 3) Type Plastic

Screen:

- 1) Type PVC
- 2) Length 20 feet
- 3) Static water level 147 feet

Pump:

- 1) Make Submersible
- 2) Model Unknown
- 3) Size Unknown
- 4) Capacity 5 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 PVC
- 2) Size 1 inches
- 3) Length 30 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 new condition with the point(s) of diversion located as follows: WELL LOCATION 1,570 ft W and 1,450 ft N from the SE corner of Sec 30 T119N R58W Lat 45.08431 Long -97. 84717 (NW ¼ SE ¼).
2. The works are capable of diverting and conveying to the place of use 0.011 cu. ft. per second of water which is to be used for commercial use.

the license should be issued for 0.011 cfs.
3. All structures, wells and lands on map Y

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

FSA maps and the ArcGIS program were used to construct the attached map.

Well water only used for washing facilities, toilet use, etc.

The address in the permit materials is current.

Marcus Sattler (505/910-4935), Plant Manager who was contacted on the phone, is the contact person for the permit.



Darrell DeBoer
Water Rights Inspector
DENR, Water Rights Program

Date report completed: October 17, 2024



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



**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

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

APR 09 2025

Geronimo Energy
c/o James Simmons
15883 419th Ave
Conde, SD 57434

No. 8414-3

Dear Mr. Simmons:

Enclosed is Water License No. 8414-3. 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.

So 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,

Mark Mayer, PE
Director of Office of Water
(605) 773-3352

enclosures

STATE OF SOUTH DAKOTA
WATER LICENSE NO. 8414-3

(1) Geronimo Energy, 15883 419th Ave, Conde, SD 57434, made Application No. 8414-3, November 12, 2019, for a water permit to divert up to 1 acre-feet of water annually at a maximum rate of 0.011 cubic feet of water per second from groundwater, one well (Altamont Aquifer), Clark County, South Dakota for commercial purposes. Permit No. 8414-3, with a priority date of November 12, 2019, was approved February 10, 2020, and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before February 10, 2025, and for the application to beneficial use of water on or before February 10, 2029.

(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 up to 1 acre-feet of water annually at a maximum rate of 0.011 cubic feet of water per second for beneficial use. The location of the diversion point is:

- 1,570 feet W and 1,450 feet N from the SE corner of Section 30, T119N, R58W (NW ¼ SE ¼)
(Latitude 45.08431 and Longitude -97.84717)

(3) The water is to be used during the following described annual period: January 1 – December 31.

(4) The permit holder has complied with the provisions of South Dakota State Law relating to the application of water to beneficial use.

(5) Pursuant to South Dakota Water Law 46-5-30.1 Geronimo Energy, the holder and/or owner of Water Right No. 8414-3 is issued a license to appropriate water, the right to use up to 1 acre-feet of water annually at a maximum rate of 0.011 cubic feet of water per second from groundwater, one well (Altamont Aquifer), with a priority date of November 12, 2019, from the location specified in (2) of this license for commercial purposes.

This license is subject to South Dakota Water Law, any limitations or conditions listed in Water Right No. 8414-3 and subject to the following qualifications:

1. 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.

2. The permit holder shall report to the Chief Engineer annually the amount of water withdrawn from the Altamont Aquifer.

3. Water Permit No. 8414-3 authorizes a total annual diversion of 1.0 acre-foot of water.



Mark Mayer, PE
Director of Office of Water

4/9/25

date

