

WATER PERMIT NO. 8270-3

Name of Applicant: **Lazy TV Ranch**

Address: **12980 Cedar Rd, Selby SD 57472** Phone: **605 230-0591**

Amount of Water Claimed: **no add'l** Total Acres: **80 acres**

Source of Water Supply: **groundwater (one existing well)**

Water to be used for: **irrigation** County: **Campbell**

Type of Waste Disposal System:

Location: **7 miles northwest of Selby**

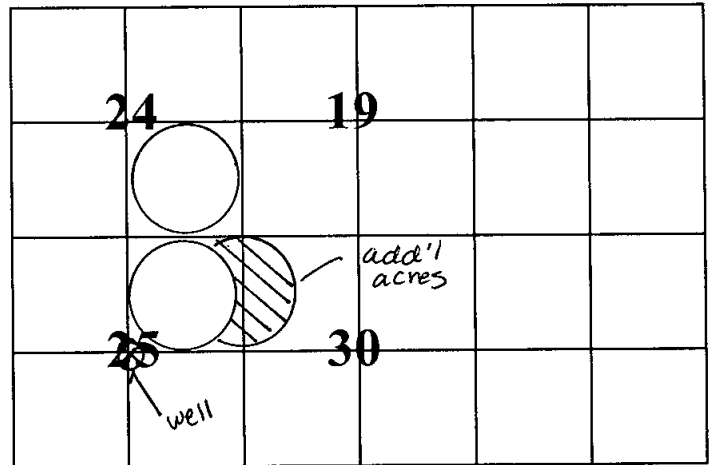
PRIORITY Date Received: **3-16-17** Application/License Fee: **\$ 750**

Corrected Application Received: Period of Annual Use: **May 1 – Sept 30**

Remarks: **Using well authorized by Permit Nos. 6428-3 & 6452-3**

Diversion Point: **approximate center of Sec 25-
T125N-R77W**

Land to be Irrigated: **W 1/2 NW 1/4 Section 30**
and E 1/2 NE 1/4 Sec 25; all in T125N-R77W



Depth of Well: **91 feet**

Well Driller: **Pullman Well Drilling**

Remarks:

Type of Map: **aerial**

Prepared by: **Mike DeFea**

Reviewed and the Number Assigned on: **3-16-17**

By: **Karen Schlaak**

Notice of Hearing - date to intervene: _____

FORM 2: Application for irrigation in South Dakota

(type or print)

RECEIVED

MAR 16 2017

WATER RIGHTS
PROGRAM

Mail to: DENR - Water Rights 523 E Capitol Ave Pierre, SD 57501-3182 ph. (605) 773-3352	No. <u>8270-3</u> (office use only)	Hydrologic Unit <u>10130106</u>
	Basin <u>Missouri River</u>	
	Newspaper <u>Pioneer Pioneer, Pollack SD</u>	
	<u>Aberdeen American News</u>	

Application For Permit To Appropriate Water For Irrigation

Type of Application: ☒ New ☐ Vested Right ☐ Amendment/Correction to Permit No. _____

(Use predates Mar 2, 1955)

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

1. Name to Appear on Irrigation Permit Lazy TV Ranch

Note: The "Name to Appear on Irrigation Permit" must be the name in which the property to be irrigated is held in.

Mailing Address 12980 Cedar Rd Selby SD 57472
(Address) (City) (State) (Zip Code)Phone 649-9927 Mobile 230-0591 Email _____2. Amount of water claimed 0 *CFS or 0 **GPM 0 ***AF Total Acreage 80
(*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout or annual use if applicable)3. Source of water supply Selby Aquifer4. Location of point of diversion Well 2 on map: Approx center of Sec 25-T125N-R77W
(example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W)County Campbell5. County or counties where water will be used Campbell6. Annual period during which water is to be used May 1 - September 307. List below each forty acre division, or lot, or fraction thereof and show number of acres to be irrigated in each.
(Attach sheet if more space is needed)

Land Description	Acres	Land Description	Acres
W1/2 NW1/4 Sec 30-T125N-R76W	66		
NE1/4 NE 1/4 Sec 25-T125N-R77W	7		
SE 1/4 NE1/4 Sec 25-T125N-R77W	7		

8. Give a description of the project. (Attach sheet if more space is needed)

Utilize the existing well authorized by Water Permit Nos. 6428-3 & 6452-3 for irrigation from the Selby Aquifer. (Well 2 on map) The acres listed above are also permitted under Water Permit No. 6294-3 for irrigation from the Grand Aquifer. The well authorized under 6294-3 from the Grand Aquifer does not consistently produce enough water to operate the irrigation system, but can still be used for irrigation. (Well 1 on map)

I, BRIAN BEGEMAN OWNER, LAZY TV, 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.

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 ____ Have test holes been drilled ☐ Yes ☐ No Drilled by ____
(if yes, please provide copies of logs)b) If existing wells, how many 1 Provide copy of log(s), if available. Drilled by Pullman Well Drilling

For either Existing or Proposed Wells:

c) Well Depth (required) 91 Depth to Top of Water Bearing Material 57 Depth to Water from Surface 41d) Distance to nearest domestic well on applicant's property N.A.* Property owned by others 3+ miles to East
Cattle watered by WEB water, not old used farm well*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)

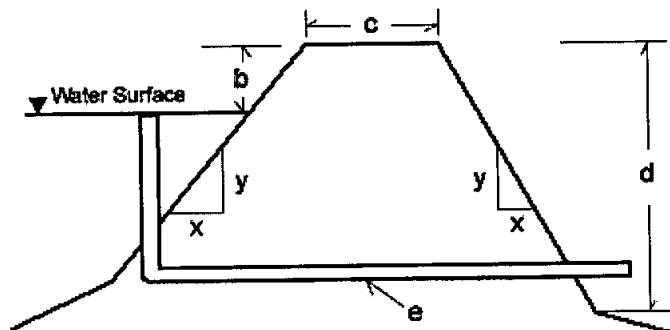
Upstream _____

Downstream _____

h) Surface Area of Impoundment _____

i) Storage _____ Acre Feet

j) Drainage Area Above Dam _____ Acres



**SOUTH DAKOTA
WATER PERMIT NO. 8270-3**

Date of first receipt of application March 16, 2017.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 8270-3 to Lazy TV Ranch, c/o Brian Begeman, 12980 Cedar Rd, Selby SD 57472 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. 8270-3 authorizes irrigation of an additional 80 acres. Combined, Water Permit Nos. 6428-3 and 6452-3 were developed to appropriate 2.0 cubic feet of water per second (cfs) from one well completed into the Selby Aquifer (91 feet deep) located in the approximate center of Section 25 for irrigation of 261 acres located in the NE 1/4 Section 25 and SE 1/4 Section 24; all in T125N-R77W. This permit authorizes using the existing well completed into the Selby aquifer to irrigate an additional 80 acres located in the W 1/2 NW 1/4 Section 30-T125N-R76W and E 1/2 NE 1/4 Section 25-T125N-R77W. Water Permit Nos. 8270-3, 6428-3 and 6452-3 will authorize a total developed diversion rate of 2.0 cfs for irrigation of 341 acres.
2. The amount of the appropriation may not exceed 2 acre feet annually for each acre of land to which water is actually and beneficially applied for irrigation. The water is to be used during the following described annual period: May 1- September 30.
3. The date from which applicant may claim right is March 16, 2017.
4. The date of approval of Permit No. 8270-3 is June 5, 2017.
5. 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 Permit Nos. 6428-3, 6452-3 and 8270-3 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 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. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

WATER MANAGEMENT BOARD

By: *Jeanne Goodman*
Jeanne Goodman, Chief Engineer

Water Rights Program

Department of Environment and Natural Resources

JUN 21 2017

date



STATE OF SOUTH DAKOTA
WATER LICENSE NO. 8270-3

(1) Lazy TV Ranch, c/o Brian Begeman, 12980 Cedar Rd, Selby SD 57472 made Application No. 8270-3, March 16, 2017 for a water permit to irrigate additional acres from one well - Selby Aquifer, Campbell County, South Dakota. Permit No. 8270-3, with a priority date of March 16, 2017 was approved June 5, 2017 and issued to the applicant for diversion of water with construction of the described water supply system and the application to beneficial use of water completed.

Water Permit No. 6428-3, with a priority date of May 16, 2003 authorized diversion of 1.86 cubic feet of water per second (cfs) to irrigate 130 acres. Water Permit No. 6452-3, with a priority date of November 12, 2003 authorized diversion of 1.89 cfs to irrigate 135 acres. The applicable portions of Nos. 6428-3 and 6452-3 are incorporated into this Water License No. 8270-3.

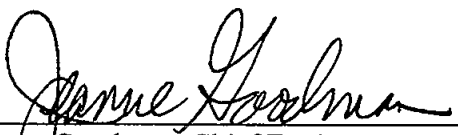
(2) The water supply system has been completed and water applied to beneficial use in accordance with South Dakota State Law. Pursuant to South Dakota Codified Law 46-5-30.1, the holder and/or owner of Incorporated Water Right No. 8270-3 is issued a license, bearing priority dates of May 16, 2003 (127 acres), November 12, 2003 (134 acres) and March 16, 2017 (80 acres) to appropriate 2.0 cubic feet of water per second from one well - Selby Aquifer to irrigate 341 acres.

The diversion point is located: approximately 2,610 feet south and 2,630 feet west of the NE corner of Section 25-T125N-R77W (SW 1/4 NE 1/4). The acres authorized for irrigation are as follows:

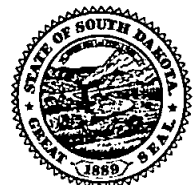
Section 25-T125N-R77W		Section 24-T125N-R77W	
Priority date - May 16, 2003		Priority date - November 12, 2003	
NW 1/4 NE 1/4	32 acres	NW 1/4 SE 1/4	33.5 acres
NE 1/4 NE 1/4	29 acres	NE 1/4 SE 1/4	33.5 acres
SW 1/4 NE 1/4	33 acres	SW 1/4 SE 1/4	33.5 acres
SE 1/4 NE 1/4	33 acres	SE 1/4 SE 1/4	33.5 acres
Section 25-T125N-R77W		Section 30-T125N-R76W	
Priority date - March 16, 2017		Priority date - March 16, 2017	
NE 1/4 NE 1/4	7 acres	NW 1/4 NW 1/4	33 acres
SE 1/4 NE 1/4	7 acres	SW 1/4 NW 1/4	33 acres
Total 341 acres			

(3) This license is subject to South Dakota Water Law, any limitations or conditions listed in Water Permit No. 8270-3 including the following qualifications:

- The well approved under Permit Nos. 6428-3, 6452-3 and 8270-3 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 his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
- This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

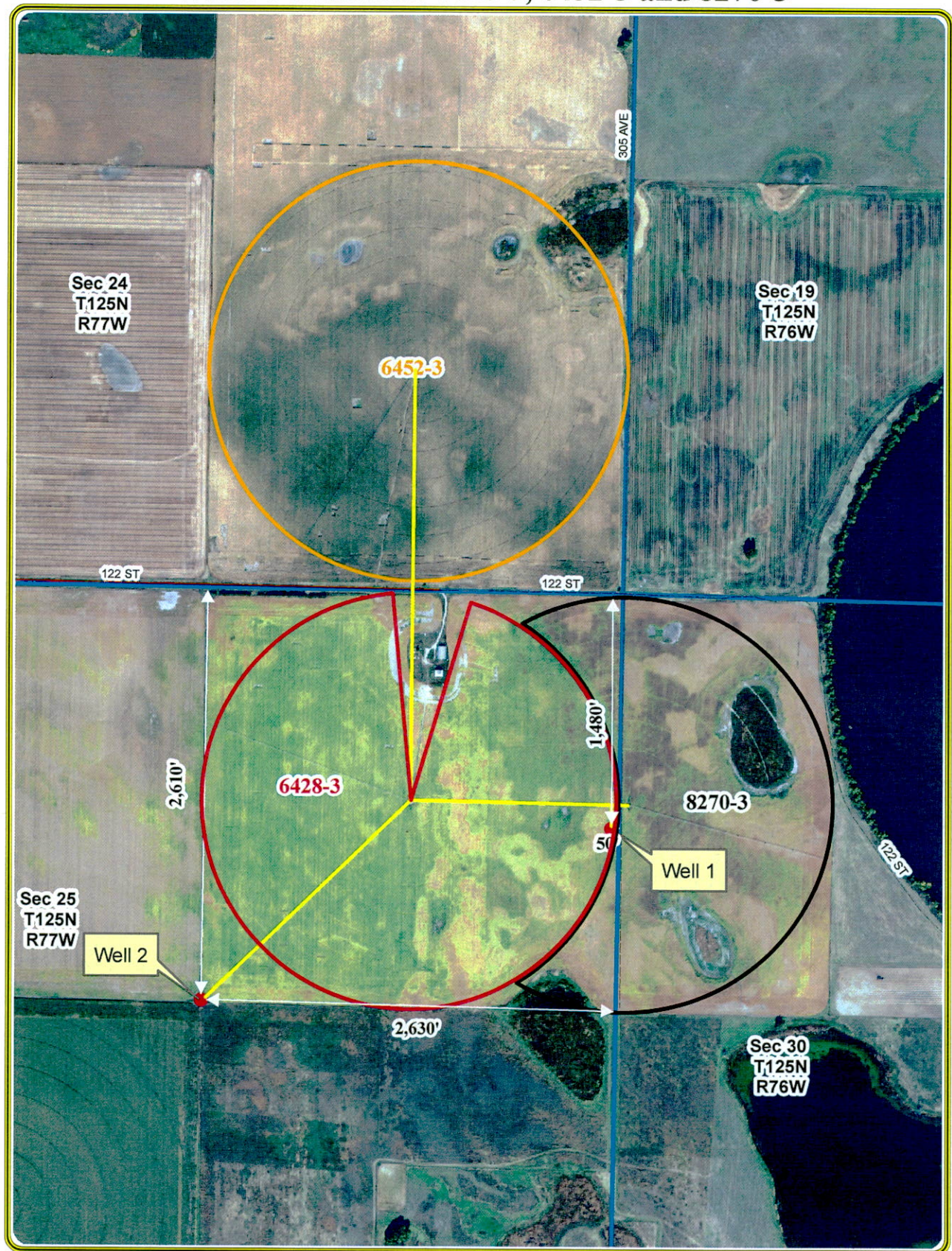

Jeanne Goodman, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

JUN 21 2017
date



Lazy TV Ranch

Water Permit Nos. 6428-3, 6452-3 and 8270-3



Mike DeFea
Mike DeFea
Natural Resources Engineer
DENR, Water Rights Program
March 17, 2017





6428-3
DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

denr.sd.gov

March 1, 2017

Lazy TV Ranch
Brian Begeman
12980 Cedar Rd
Selby, SD 57472

Dear Mr. Begeman:

During the permit licensing inspection for Water Permit Nos. 6294-3, 6428-3 and 6452-3, you informed me the well authorized under Water Permit No. 6294-3 did not consistently produce the amount of water needed to operate the irrigation system. Subsequently, pipe was installed connecting the well authorized by Water Permit Nos. 6428-3 and 6452-3 to the irrigation system authorized under Water Permit No. 6294-3 to supply water when needed.

As discussed in our conversation, Water Permit Nos. 6428-3 and 6452-3 authorize water to be diverted from the Selby aquifer, while the source of water for Water Permit No. 6294-3 is from the Grand aquifer. As a result, there are unpermitted acres being irrigated from the Selby aquifer which require permitting.

Enclosed are partially completed permit applications and maps for the additional acreage which is being irrigated from the well covered under Water Permit Nos. 6428-3 and 6452-3. Please review the application and map and return a signed application with a map to the DENR, along with a check for \$750.00 to the DENR, Water Rights Program in the envelope provided.

Also, on Form 2A of the application, you will need to complete Part D under the Well Information which I've marked on the form.

If you have any questions, or changes need to be made, please feel free to contact me or Ron Duvall at 773-3352.

Sincerely,

Mike DeFea
Natural Resources Engineer II
DENR, Water Rights Program

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

March

Date

March 16, 2017

RECEIVED OF Lazy TV Ranch, 12980 Cedar Rd, Selby SD 57472

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

Fee for Application for Permit No. <u>8270-3</u> to Appropriate Water, to construct and to put water to beneficial use	750	00
Fee for Application for Permit No. _____ to Appropriate Water for Future use		
Fee to retain Future Use Permit No. _____ after period of seven years.		
Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water License No. _____		
Fee for Filing Transfer Form _____		
Fee for _____		
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	750.00

No. 08197

By

Jeannie Goodman
Chief Engineer

145

SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec 25 Twp 125 Rg 77

County

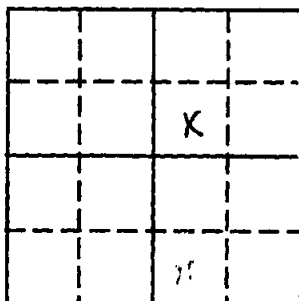
Walworth

North

Please mark well location with an "X"

W

E



1 Mile

Well Completion Date

10/22/2003

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

? _____ ft. from _____ (Identify source)

PROPOSED USE:

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

METHOD OF DRILLING:

Reverse

CASING DATA:

☐ Steel ☒ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
LB/FT	IN	FT	FT	IN
	16.00	0.0	76.0	24.00

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
		Lb/gal	0.0 Ft	20.0 Ft
Cement	36			

Describe grouting procedure
Line _____

SCREEN:

☐ Perforated pipe ☒ Manufactured
Diameter 16.00 Inches Length 15.0 FeetMaterial Stainless SteelSlot Size .057 Set From 76.0 Feet to 91.0 Feet

Other information _____

WAS A PACKER OR SEAL USED?

☒ Yes ☐ No
If so, what material? Gravel packed

Describe packer(s) and location

Pea Rock @ 76

DISINFECTION: Was well disinfected upon completion?

☒ Yes, How? Pellets
☐ No, Why Not? _____

Lab sample sent to for water quality analysis

Well Owner: Ken Thorstenson

Business Name: _____

Address: 604 E Theodore STCity, State, Zip: Selby SD 57472

WELL LOG:

DEPTH

FORMATION	FROM	TO
Yellow Clay	0	10
Yellow Sand	10	36
Blue Clay	36	57
Coarse Gray sand	57	91

STATIC WATER LEVEL 41.0 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: w/ Air
☐ Bailed

☐ Other

Pumping Level Below Land Surface

_____ Ft. After _____ Hrs. pumped _____ GPM

_____ Ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate: _____ GPM

REMARKS

This well was drilled under license # 440

And this report is true and accurate.

Drilling firm: Pullman Well Drilling Inc

Signature of License Representative:

Wayne Pullman

RECEIVED

Signature of Well Owner or Equitable Property Holder:

DEC 31 2003

WATER RIGHTS PROGRAM

Date: 11-10-03



**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. 8270-3, Lazy TV Ranch**

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. 8270-3, Lazy TV Ranch, c/o Brian Begeman, 12980 Cedar Rd, Selby SD 57472.

The Chief Engineer is recommending APPROVAL of Application No. 8270-3 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 Permit Nos. 6428-3, 6452-3 and 8270-3 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 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. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

See report on application for additional information.

Jeanne Goodman, Chief Engineer
May 16, 2017

REPORT TO THE CHIEF ENGINEER

Water Permit Application No. 8270-3

Lazy TV Ranch

April 24, 2017

Water Permit Application No. 8270-3 proposes to appropriate water to irrigate 80 acres located in the W ½ NW ¼ Section 30 T125N-R76W and E ½ NE ¼ Section 25 T125N-R77W using an existing irrigation well located in the approximate center of Section 25 T125N-R77W. This well currently supplies Water Permit Nos. 6428-3 and 6452-3 with a maximum diversion rate of 2.0 cubic feet per second (cfs) for the irrigation of 261 acres in the NE ¼ Section 25 and SE ¼ Section 24 both in T125N-R77W. This permit application is a result of a permit inspection conducted for permits 6428-3 and 6452-3 pursuant to South Dakota Codified Law (SDCL) 46-5-30. This permit application is seeking to increase the permitted acreage from 261 acres to 341 acres and does not seek to increase the total diversion rate beyond 2.0 cfs for the three permits.

AQUIFER: Selby (S)

HYDROGEOLOGY

The Selby aquifer is a glacial outwash consisting of sand and gravel. The aquifer underlies approximately 170,900 acres in Campbell, Walworth, and McPherson Counties. Most of the aquifer is under water table conditions, with the general direction of groundwater flow as flowing to the northwest corner of the aquifer (Hedges et al., 1982).

The well completion report for this irrigation well shows that the Selby aquifer was encountered at a depth of 57 feet, and that the well was completed to a depth of 91 feet, with a screened interval from 76 to 91 feet (Water Rights, 2017b). At the time of well completion, the static water level within the well was 41 feet below the surface, indicating slightly confined conditions at this location within the Selby aquifer.

South Dakota Codified Law 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 the 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 existing rights within the Selby aquifer.

WATER AVAILABILITY

The probability of unappropriated water 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 than or stratigraphically lower than the Greenhorn Formation and a water distribution system has applied for a permit, the Board need not take into consideration the balance of aquifer recharge and withdrawal. Here, the water source is not older or lower than the

Greenhorn Formation and a water distribution system is not involved. Therefore, the balance of withdrawal and recharge must be considered.

Hydrologic Budget

Recharge to the Selby aquifer occurs primarily through the infiltration of precipitation (Koch, 1970). Hedges et al. (1982) determined the area of the aquifer to be approximately 170,900 acres, with approximately 605,000 ac-ft of recoverable water in storage. Koch (1970) noted that the recharge to the aquifer is greatest in areas where sand or gravel occurs at the surface. Hedges et al. (1985) estimated that the average annual recharge to the non-buried portions of the Selby aquifer is 2.0 inches per year.

Discharge from the Selby aquifer is thought to occur primarily through evapotranspiration and well withdrawals (Koch, 1970). The 1985 report by Hedges et al. shows that the average annual use for domestic, stock, and irrigation purposes was estimated to be 4,029 ac-ft, which would require an average annual recharge of 0.28 inches of water across the entire area of the aquifer.

Although there is no increase of the maximum instantaneous pumping rate, the volume of water being withdrawn from the aquifer is likely to increase, thereby increasing the time that the pump is on. An increase in the time the pump is on would increase the average pumping rate from the irrigation well. The irrigation of 80 acres at an application rate of 10" per acre per year would require an average annual recharge of less than 0.01 inches of water across the entire area of the aquifer. Reported irrigation data from the Selby aquifer shows that the average annual pumpage per irrigated acre has not yet exceeded 8" per acre per year (Water Rights, 1980-2016).

From the 2015 irrigation data, there are 11 water rights/permits that are appropriating water from the Selby aquifer (Water Rights, 1980-2016). Annual reported irrigation data from the entire period of record, 1979 to 2015, is displayed in Figure 1, which shows the appropriation amount, the reported pumpage, and the number of acres permitted for irrigation.

Observation Well Data

The Water Rights Program currently monitors ten observation wells completed in the Selby aquifer (Water Rights, 2017c). The nearest observation well is CA-57A, and is located approximately 1.6 miles south southeast of the diversion point proposed by this application.

Observation well CA-57A is representative of other observation wells completed into the Selby aquifer. In agreement with the other observation wells in the Selby aquifer, the potentiometric surface at CA-57A rises during wet periods, and declines during dry periods. The seasonal decline in the potentiometric surface from irrigation pumping is evident in all of the observation wells; however, they all have a history of recovery once the irrigation season has ended. Considering the observation well data, the discharge and withdrawals from the Selby aquifer are currently less than the natural recharge. The observation well data indicates that there is a reasonable probability that there is unappropriated water available from the Selby aquifer.

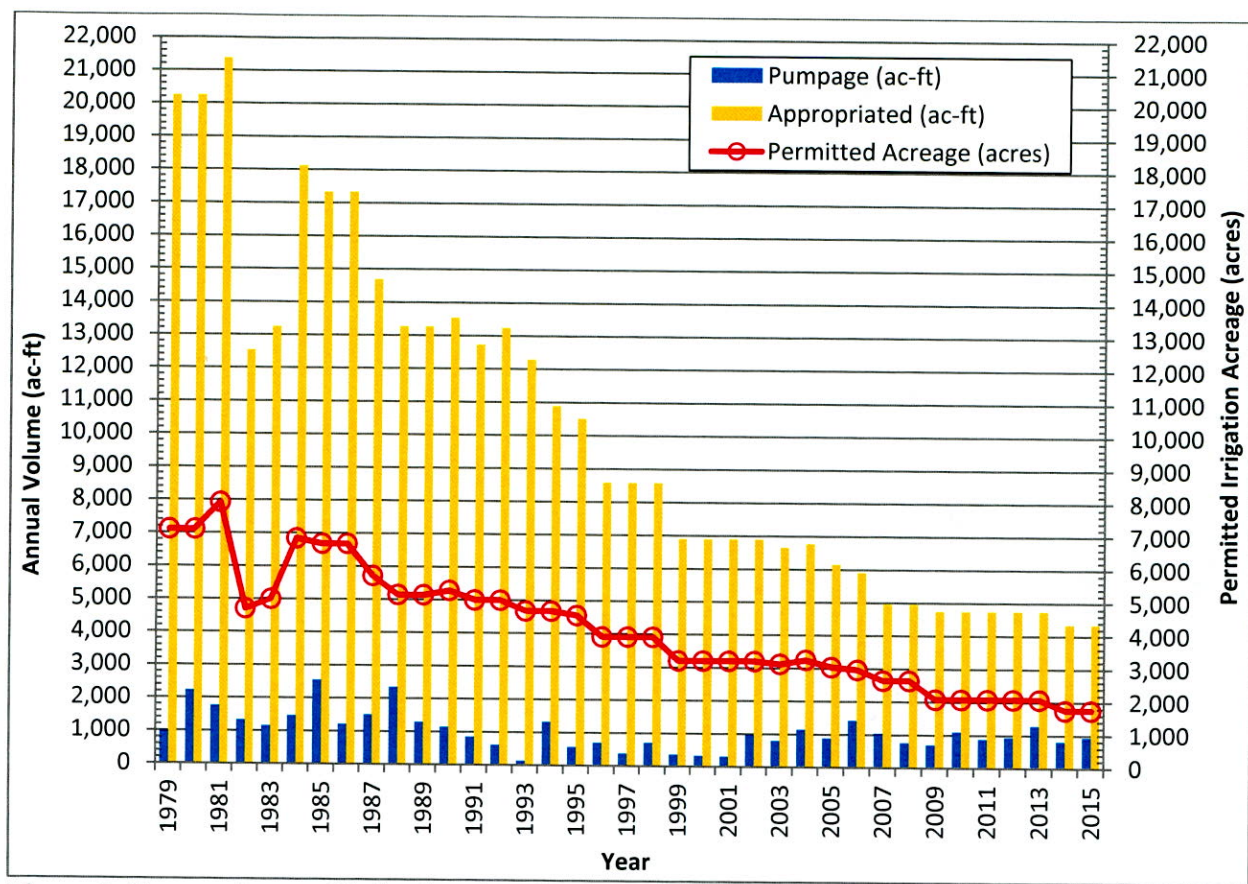


Figure 1: Reported annual irrigation data for the Selby aquifer (Water Rights, 1980-2016)

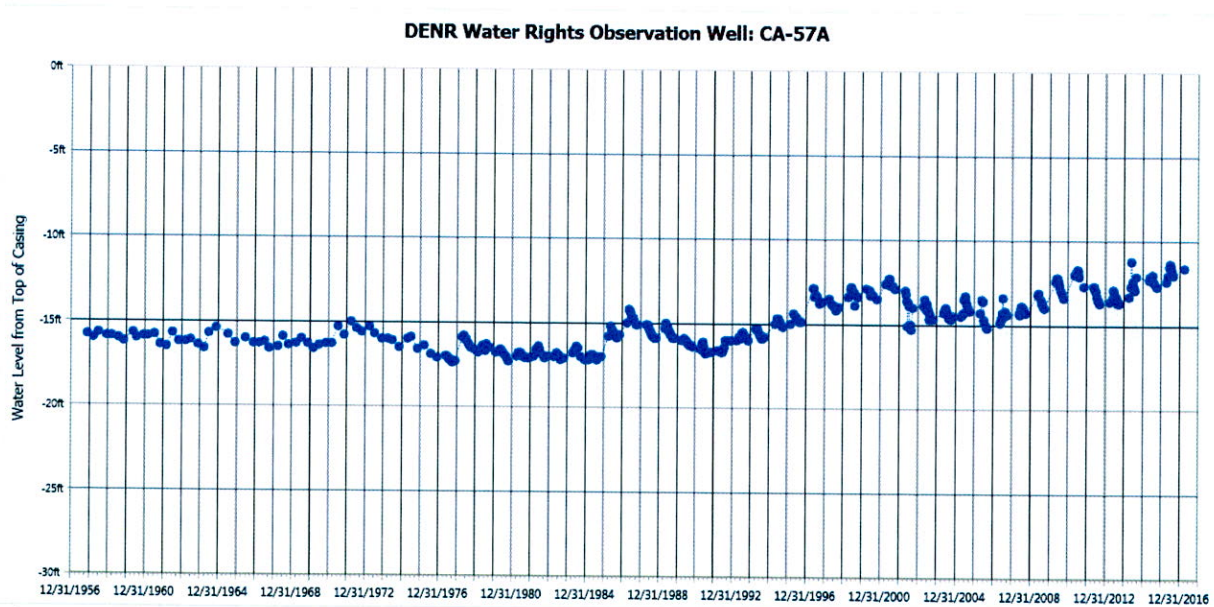


Figure 2: Hydrograph for Observation Well CA-57A (Water Rights, 2017c)

EXISTING WATER RIGHTS

Water permits 6428-3 and 6452-3 currently use this same well for the irrigation of 127 acres and 134 acres, respectively (Water Rights, 2017a). This application for irrigation of an additional 80 acres from this well is not expected to adversely impact these existing water permits. The nearest water right/permit (No. 5428-3) is 1900 feet to the southwest, and during irrigation season, it is likely that drawdown will overlap between these sites. Based upon the testing of the irrigation well for water right No. 5428-3, the additional drawdown from this well for the additional acreage is unlikely to adversely impact existing rights.

Historical Concerns

In the past there has been concern over irrigation withdrawals from the Selby aquifer affecting domestic wells and dugouts. The area of past concern is located over four miles to the southeast of this application. A staff report was completed in 1978 in response to petitions on permit applications 3417-3, 3418-3, 3419-3, 3991-3, and 4173-3 (Selken, 1978). The staff report recommended approval of 3417-3, 3418-3, and 3419-3, after reducing the total withdrawal rate to be lower than the calculated safe yield of the aquifer. Permit applications 3991-3 and 4173-3 were approved as submitted.

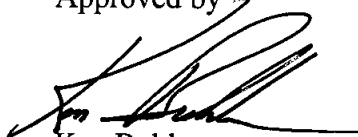
CONCLUSIONS

1. This application proposes to appropriate water from an existing well in the Selby aquifer with no increase of the maximum diversion rate for the irrigation of 80 acres.
2. There is a reasonable probability that unappropriated water is available from the Selby aquifer to supply the 80 acres.
3. There is a reasonable probability that the additional use from the existing well as proposed by this application will not adversely impact adequate wells for existing water rights and domestic use.
4. This well may also provide irrigation water for Water Permit Nos. 6428-3 and 6452-3. Approval of this application does not change the existing permits or the qualifications on those permits.



John Farmer
SD DENR – Water Rights Program

Approved by



Ken Buhler
SD DENR – Water Rights Program

REFERENCES

- 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 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.
- 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.
- Koch, N., 1970, Geology and Water Resources of Campbell County, South Dakota, Part II: Water Resources: South Dakota Geological Survey Bulletin 20 (2), 38 p.
- Selken, G., 1978. "Report on Selby Aquifer Water Right Applications": Water Permit File 3991-3 p. 9-11, SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, South Dakota.
- Water Rights. 1980-2016. "1979-2015 Irrigation Summaries by Aquifer": SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, South Dakota.
- Water Rights. 2017a. Water Right/Permit Files. SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, South Dakota.
- Water Rights. 2017b. Well Completion Report Files. SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, South Dakota.
- Water Rights. 2017c, "Observation Well Database", SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, South Dakota.

RECEIVED

JUN - 7 2017

WATER RIGHTS
PROGRAM

Form 8

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)

County of Campbell)^{SS}

I, Leah Burke

certify that the attached printed Notice was
taken

from the Prairie Pioneer

printed and published in Pollock

County of Campbell and

state of South Dakota. The notice was
published

in the newspaper on the following date:

May 25, 2017

Cost of Printing \$32.76

[Signature]
(Signature)

publisher
(Title)

5/5/17
(Date Signed)

**NOTICE OF
APPLICATION
NO. 8270-3**

to Appropriate Water

Notice is given that Lazy TV Ranch, c/o Brian Begeman, 12980 Cedar Rd, Selby SD 57472 has filed an application to irrigate an additional 80 acres. Combined, Water Permit Nos. 6428-3 and 6452-3 were developed to appropriate 2.0 cubic feet of water per second (cfs) from one well completed into the Selby Aquifer (91 feet deep) located in the approximate center of Section 25 for irrigation of 261 acres located in the NE 1/4 Section 25 and SE 1/4 Section 24; all in T125N-R77W. This application proposes to use this existing well completed into the Selby aquifer to irrigate an additional 80 acres located in the W 1/2 NW 1/4 Section 30-T125N-R76W and E 1/2 NE 1/4 Section 25-T125N-R77W. This application, if approved, and Water Permit Nos. 6428-3 and 6452-3, will authorize a total developed diversion rate of 2.0 cfs for irrigation of 341 acres.

The described 80 additional acres are currently authorized by Water Permit No. 6294-3 for irrigation from one well completed into the Grand Aquifer (205 feet deep) located in the E 1/2

NE 1/4 Section 25-T125N-R77W. The Grand Aquifer, at this location, does not consistently produce enough water to operate the irrigation system. The well authorized by Water Permit No. 6294-3 will continue to supplement the irrigation system.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 8270-3 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 June 5, 2017.

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
approximate cost of \$32.76

RECEIVED

MAY 30 2017

Form 8

WATER RIGHTS
PROGRAM

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County of Brown) SS

I, Mary Bester
certify that the attached printed Notice was taken
from the Aberdeen News

printed and published in Aberdeen
County of Brown and
state of South Dakota. The notice was published
in the newspaper on the following date:

5-25-2017

Cost of Printing 62.11

Mary Bester
(Signature)

Adv. Betty Spellast
(Title)

May 25, 2017
(Date Signed)

Permit No. 6294-3 will continue to supplement the irrigation system.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 8270-3 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.

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Steven M. Pirner, Secretary, Department of Environment and Natural Resources. Published once at the total approximate cost of \$62.11

(No. 263709)
(May 25, 2017 - 1T)

NOTICE OF APPLICATION
NO. 8270-3 to Appropriate Water

Notice is given that Lazy TV Ranch, c/o Brian Begeman, 12980 Cedar Rd. Selby SD 57472 has filed an application to irrigate an additional 80 acres. Combined, Water Permit Nos. 6428-3 and 6452-3 were developed to appropriate 2.0 cubic feet of water per second (cfs) from one well completed into the Selby Aquifer (91 feet deep) located in the approximate center of Section 25 for irrigation of 261 acres located in the NE 1/4 Section 25 and SE 1/4 Section 24; all in T125N-R77W. This application proposes to use this existing well completed into the Selby aquifer to irrigate an additional 80 acres located in the W 1/2 NW 1/4 Section 30-T125N-R76W and E 1/2 NE 1/4 Section 25-T125N-R77W. This application, if approved, and Water Permit Nos. 6428-3 and 6452-3, will authorize a total developed diversion rate of 2.0 cfs for irrigation of 341 acres.

The described 80 additional acres are currently authorized by Water Permit No. 6294-3 for irrigation from one well completed into the Grand Aquifer (205 feet deep) located in the E 1/2 NE 1/4 Section 25-T125N-R77W. The Grand Aquifer, at this location, does not consistently produce enough water to operate the irrigation system. The well authorized by Water



Schlaak, Karen

From: Schlaak, Karen
Sent: Tuesday, May 16, 2017 1:24 PM
To: Prairie Pioneer (pioneer@valleytel.net)
Subject: 8270-3, Lazy TV Ranch
Attachments: 8270-3public.short.docx; FORM8.FRM.doc

Attached is a notice to be published on May 25, 2017.

Lazy TV Ranch, c/o Brian Begeman, 12980 Cedar Rd, Selby SD 57472 (605 649-9927 or cell 605 230-0591) 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.

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: Monday, June 05, 2017 10:09 AM
To: Prairie Pioneer (pioneer@valleytel.net)
Subject: FW: 8270-3, Lazy TV Ranch
Attachments: 8270-3public.short.docx; FORM8.FRM.doc |

Please send me the affidavit for this publication.

Thanks,
Karen

From: Schlaak, Karen
Sent: Tuesday, May 16, 2017 1:24 PM
To: Prairie Pioneer (pioneer@valleytel.net)
Subject: 8270-3, Lazy TV Ranch

Attached is a notice to be published on May 25, 2017.

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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.**

May 16, 2017

Lazy TV Ranch
Brian Begeman
12980 Cedar Rd
Selby SD 57472

Dear Mr. Begeman:

Water Permit Application No. 8270-3 for irrigation use has been examined and found to comply with the South Dakota Water Laws and applicable rules. A notice has been sent to the Prairie Pioneer printed at Pollock SD (Ph # 605-889-2320) and the American News printed at Aberdeen SD (Ph # 605-605-225-4100). 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
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. 8270-3 to Appropriate Water

Notice is given that Lazy TV Ranch, c/o Brian Begeman, 12980 Cedar Rd, Selby SD 57472 has filed an application to irrigate an additional 80 acres. Combined, Water Permit Nos. 6428-3 and 6452-3 were developed to appropriate 2.0 cubic feet of water per second (cfs) from one well completed into the Selby Aquifer (91 feet deep) located in the approximate center of Section 25 for irrigation of 261 acres located in the NE 1/4 Section 25 and SE 1/4 Section 24; all in T125N-R77W. This application proposes to use this existing well completed into the Selby aquifer to irrigate an additional 80 acres located in the W 1/2 NW 1/4 Section 30-T125N-R76W and E 1/2 NE 1/4 Section 25-T125N-R77W. This application, if approved, and Water Permit Nos. 6428-3 and 6452-3, will authorize a total developed diversion rate of 2.0 cfs for irrigation of 341 acres.

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Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 8270-3 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.

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

Water Permit Nos. 6428-3, 6452-3 and 8270-3

Missouri River - Water District

Report of Examination of Works and/or Application of Water to Beneficial Use

TO: Chief Engineer, Water Rights Program, DENR, Foss Bldg., Pierre, SD 57501

I have this day, **November 7, 2016**, made a thorough examination of the water use system constructed by **Lazy TV Ranch** of **12980 Cedar Rd., Selby, SD 57472** holder of Permit Nos. **6428-3, 6452-3 and 8270-3**, bearing the priority dates of **May 16, 2003, November 12, 2003 and March 16, 2017** authorizing the diversion of **1.86, 1.89 and No Add'l** cu. ft. per second of water from the **Selby Aquifer** for **Irrigation** purposes, in **Campbell** County.

Inspection contact & relationship to permit holder, if applicable: **Brian Begeman (649-9927, 230-0591 cell)**

A. Works used to divert the water:

Well 2:

- 1) Well Drilling Firm: **Pullman Well Drilling**
- 2) No. of Wells **1**
- 3) Depth(s) **91** feet
- 4) Well log is available **Y**
- 5) Comment:

Casing:

- 1) Diameter **16** inches
- 2) Length **76** feet
- 3) Type **Plastic**

Screen:

- 1) Type **Stainless Steel**
- 2) Length **15** feet
- 3) Static water level **41** feet

Pump:

- 1) Make **Nebraska Pump**
- 2) Model **12M100**
- 3) Capacity **900** GPM

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

- 1) Type Buried PVC pipe

C. Works used to apply water to beneficial use:

Center pivot:

- 1) Make (3) T & L
- 2) Number of towers 7
- 3) End gun Y
- 4) High or low pressure Low
- 5) Capacity 900 GPM

Chemigation Equipment:

- 1) Does chemigate Y
- 2) Main line check valve Y
- 3) Inspection port/air relief Y
- 4) Low pressure drain Y
- 5) Discharge is 20' from source Y
- 6) Interlock type electrical
- 7) Injection pump type piston
- 8) Injection check valve Y
- 9) Injection line check valve or positive displacement pump Y
- 10) All chemigation equipment appears to be installed in the proper position and complies with chemigation laws and rules Y

D. Compliance with Permit Requirements:

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

Report of Examination of Works
Permit Nos. 6428-3, 6452-3 and 8270-3

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

Well 2: Approximately 2,610 feet south and 2,630 feet west of the NE corner of Section 25-T125N-R77W (N 45.61593, W -100.09992) (SW ¼ NE ¼)

The works are capable of diverting and conveying to the place of use 2.0 cu. ft. per second of water which is to be used for Irrigation. Water has been put to beneficial use to the maximum extent as follows:

Water Permit No. 6428-3

Section 25-T125N-R77W

NW ¼ NE ¼ - 32 acres

NE ¼ NE ¼ - 29 acres

SW ¼ NE ¼ - 33 acres

SE ¼ NE ¼ - 33 acres

Water Permit No. 6452-3

Section 24-T125N-R77W

NW ¼ SE ¼ - 33.5 acres

NE ¼ SE ¼ - 33.5 acres

SW ¼ SE ¼ - 33.5 acres

SE ¼ SE ¼ - 33.5 acres

Water Permit No. 8270-3

Section 25-T125N-R77W

NE ¼ NE ¼ - 7 acres

SE ¼ NE ¼ - 7 acres

Section 30-T125N-R76W

NW ¼ NW ¼ - 33 acres

SW ¼ NW ¼ - 33 acres

comprising a total of 341 acres of land and the license should be issued for 2.0 cfs.

All structures, wells and lands on map Y

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

Water Permit No. 6294-3 authorizes the diversion of 1.88 cfs of water from one well (Well 1) from the Grand aquifer, for irrigation of 132 acres located in the E ½ NE ¼ Section 25-T125N-R77W and W ½ NW ¼ Section 30-T125N-R76W.

Water Permit Nos. 6428-3 and 6452-3 authorize the combined diversion of 3.75 cfs of water from one well (Well 2) from the Selby aquifer, for irrigation of 265 acres located in the NE ¼ Section 25, and SE ¼ Section 24: both in T125N-R77W.

At the time of the licensing inspections for these permits, two wells and three pivot irrigation systems had been constructed and are all connected together by buried pipe. Well 1 does not consistently produce the amount of water needed to operate the irrigation system for irrigation of the 132 acres authorized by Water Permit No. 6294-3. However, Well 1 is capable of producing 1.88 cfs. Subsequently, Well 2 is now the primary source of water

Report of Examination of Works
Permit Nos. 6428-3, 6452-3 and 8270-3

supplying water to the irrigation systems authorized by Water Permit Nos. 6294-3, 6428-3 and 6452-3. Well 1 is used as a supplementary source of water for the irrigation systems when needed.

As a result of the inability to consistently produce the amount of water needed to operate the irrigation system authorized by Water Permit 6294-3, and utilizing the well authorized by Water Permit Nos. 6428-3 and 6452-3 from a separate aquifer than is authorized, another permit was needed to irrigate the additional 80 acres from the Selby aquifer. Water Permit No. 8270-3 was applied for, and approved, for irrigation of the 80 acres with no additional water authorized.

Water Permit Nos. 6428-3, 6452-3 and 8270-3 should be incorporated while each reflecting their priority dates of May 16, 2003, November 12, 2003 and March 16, 2017.

Water Right No. 6294-3 should be licensed separately as the diversion is from the Grand aquifer while Water Permit Nos. 6428-3, 6452-3 and 8270-3 divert water from the Selby aquifer.



Mike DeFea
Natural Resources Engineer II
DENR, Water Rights Program

Date report completed: **March 16, 2017**



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

denr.sd.gov

JUN 21 2017

8270-3
6428-3
6452-3

Lazy TV Ranch
c/o Brian Begeman
12980 Cedar Rd
Selby SD 57472

Dear Mr. Begeman:

Enclosed are Water Permit and Water License No. 8270-3. These are the final documents completing your process of obtaining a Water Right. Also, included with the license is a map prepared by the staff engineer who conducted the investigation.

For your information SDCL 46-6-27 requires that if in the future the owner drills a replacement well and has no plan to use the old existing well, the old well is considered abandoned and must be plugged. Also, any well that is being used or is not considered abandoned must be valved and controlled, if flowing, or sealed and capped so that no leaking occurs either underground or at the surface.

As long as you use the water beneficially, as stated in the Water License, the State Water Laws provide that you have a continuing right to use the water. If you have any questions, please contact our office.

Sincerely,

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

Note: The applicable portions of No. 6428-3 and 6452-3 are incorporated into Water License No. 8270-3.

enclosures