

WATER PERMIT NO. 8066-3

Name of Applicant: **Teton LLC**

Address: **PO Box 188, Pipestone MN 56164** Phone: **507 215-0471**

Amount of Water Claimed: **0.11 cfs** Total Acres: **NA**

Source of Water Supply: **groundwater (two wells)**

Water to be used for: **commercial** County: **Grant**

Type of Waste Disposal System:

Location: **5 miles northeast of Milbank**

PRIORITY Date Received: **10-08-14**

Application/License Fee: **\$ 700**

Corrected Application Received: **12-3-14**

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

Remarks: **livestock production facility**

Diversion Point: **N 1/2 SW 1/4 Sec 16-T121N-R47W**

Land to be Irrigated: **NA**

Depth of Well: **180 feet deep**

Well Driller:

Remarks:

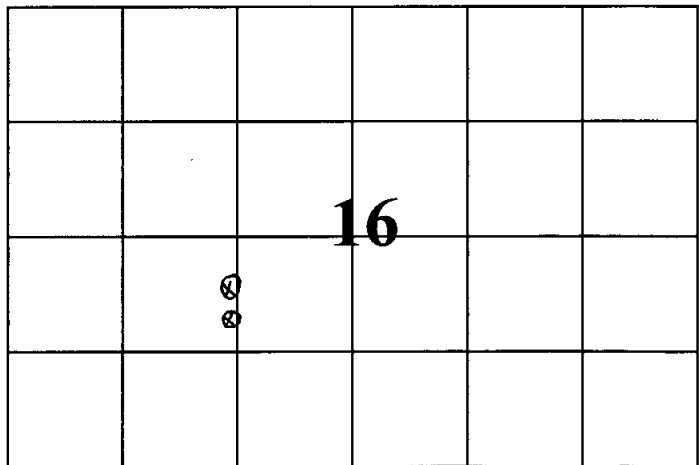
Type of Map: **plat**

Prepared by:

Reviewed and the Number Assigned on: **12-3-14**

By: **Karen Schlaak**

Notice of Hearing - date to intervene: _____



Mail to: PMB 2020 DENR - Water Rights 523 E Capitol Ave Pierre, SD 57501-3182 ph. (605) 773-3352	No. <u>8066-3</u> (office use only) Hydrologic Unit <u>07020001</u>
	Basin <u>Minnesota - Whetson</u>
	Newspaper <u>Grant to Review, Milbank</u>
	<u>Public Opinion, Watertown</u>

RECEIVED
OCT 08 2014
WATER RIGHTS
PROGRAM

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

Check use(s) of water:

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

Type of Application: (check one)

☒ New ☐ Vested Right (Use predates Mar 2, 1955) ☐ Future Use Reservation
☐ Place to Beneficial Use Water Reserved by Future Use Permit No. _____
☐ Amendment/Correction to Permit No. _____

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

1. Name to Appear on Water Permit Teton, LLC

(check one) ☒ Owner ☐ Tenant/lessee ☐ Owner's Legal Agent

(name and complete address if different than above name)

Mailing Address PO Box 188 Pipestone MN 56164
 (Address) (City) (State) (Zip Code)

Home Phone 507-825-4211 Cell 507-215-0471 Email bkerkaert@pipevet.com

2. Amount of water claimed 0.11 *CFS or 50 **GPM ***AF
 (*Cubic Feet per Second) (**Gallons per Minute) (***Acre Feet - storage capacity of dam/dugout or annual use if applicable)

3. Source of water supply Whetson (2 wells)

4. Location of point of diversion N 1/4, Section 16, T121N, R47W County Grant
 (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 Grant

6. Annual period during which water is to be used 12 per year 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)

The new greenfield livestock production project includes two (2) 2,240 head deep pit gestation barns, one 2,136 head shallow pit farrowing barn, one 1,200 head gilt developer unit and one composting barn. The project has received a Conditional Use Permit from Grant County and a CAFO Permit from SD DENR.

I, Dr. Barry Kerkaert, the applicant, certify that I have read this application, have examined the attached map, and that the matters stated are true.

SOUTH DAKOTA
WATER PERMIT NO. 8066-3

Date of first receipt of application October 8, 2014.

Date of return to applicant for corrections, amendments or changes October 8, 2014.

Date of receipt of corrected application December 3, 2014.

The Water Management Board approved Water Permit No. 8066-3 on July 9, 2015 for Teton LLC, c/o Dr. Barry Kerkaert, PO Box 188, Pipestone MN 56164 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. 8066-3 appropriates 0.11 cubic feet of water per second (22.4 acre feet annually) from two wells to be completed into the Veblen Aquifer (180 feet deep) located in the N 1/2 SW 1/4 Section 16-T121N-R47W.
2. The water appropriated shall be used for commercial use purposes at a swine production facility 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 from which applicant may claim right is October 8, 2014.
5. One-fifth of the construction is to be completed on or before January 9, 2018.
6. All construction is to be completed on or before July 9, 2020.
7. Water is to be put to beneficial use on or before July 9, 2024.
8. 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 wells 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 wells authorized by Permit No. 8066-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) pursuant to Section 74:02:04:28.
3. Permit No. 8066-3 is subject to compliance with requirements of the Department's Water Pollution Control Permit issued pursuant to SDCL 34A-2-36 or 34A-2-112 for concentrated animal feeding operations.

(continued)

4. Permit No. 8066-3 is subject to compliance with all existing and applicable Water Management Board Rules including but not limited to:
 - a. Chapter 74:54:01 Ground Water Quality Standards,
 - b. Chapter 74:54:02 Ground Water Discharge Permit,
 - c. Chapter 74:51:01 Surface Water Quality Standards,
 - d. Chapter 74:51:02 Uses Assigned to Lakes,
 - e. Chapter 74:51:03 Uses Assigned to Streams, and
 - f. Chapter 74:52:01 through 74:52:11 Surface Water Discharge Provisions
5. The Permit holder shall report to the Chief Engineer annually the amount of water withdrawn from the Veblen Aquifer.
6. Water Permit No. 8066-3 authorizes a total annual diversion of 22.4 acre feet of water (7.3 million gallons/annually).

WATER MANAGEMENT BOARD

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

AUG 04 2015
date



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 2 Have test holes been drilled ☐ Yes ☐ No Drilled by _____
(if yes, please provide copies of logs)

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

c) Well Depth ≈180' Depth to Top of Water Bearing Material ≈90' Depth to Water from Surface ≈75'

d) Distance to nearest existing domestic well:

On applicant's property NAOn property owned by others ≈1,500'**2. Wastewater Disposal System Information**a) Type of System (i.e. septic tank, drain field) Domestic wastewater will not treat via a septic tank/drainb) System Capacity (gallons) 1,500.00 Year Constructed 2014

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)

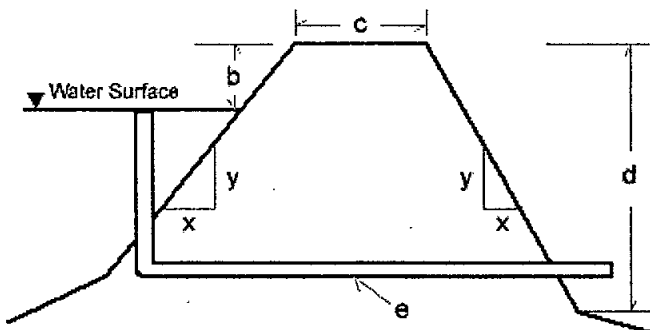
Upstream _____

Downstream _____

h) Surface Area of Impoundment _____

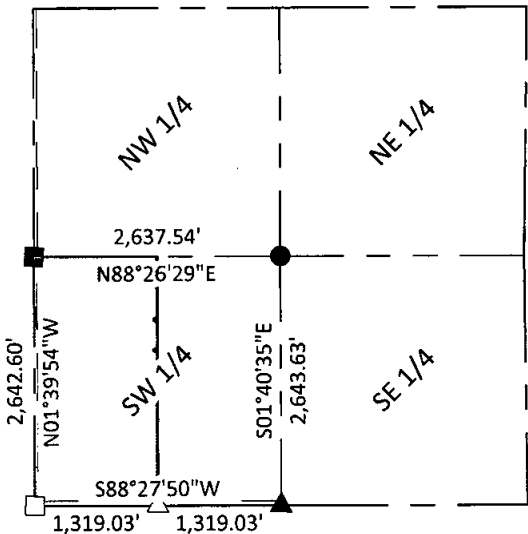
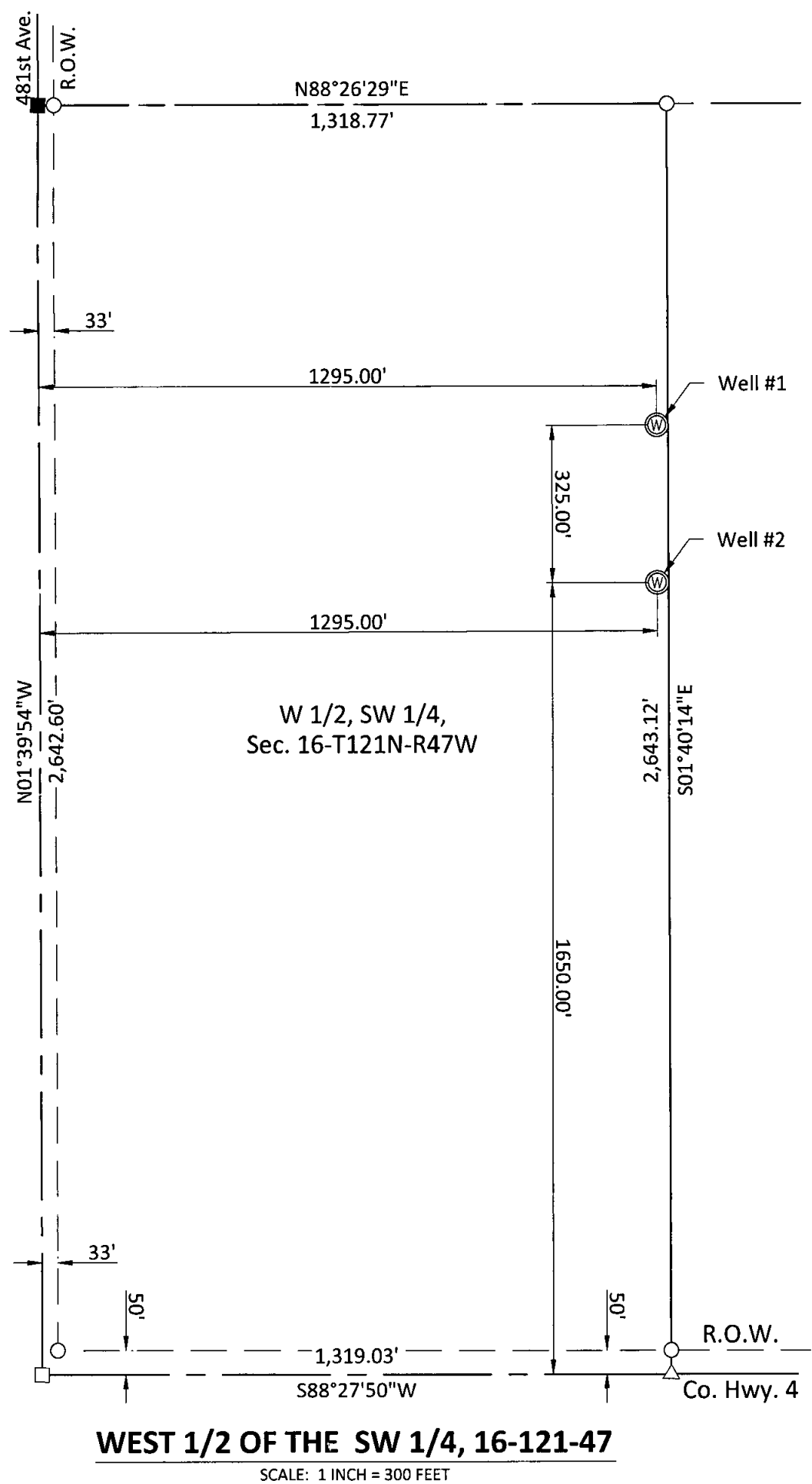
i) Storage _____ Acre Feet

j) Drainage Area Above Dam _____ Acres

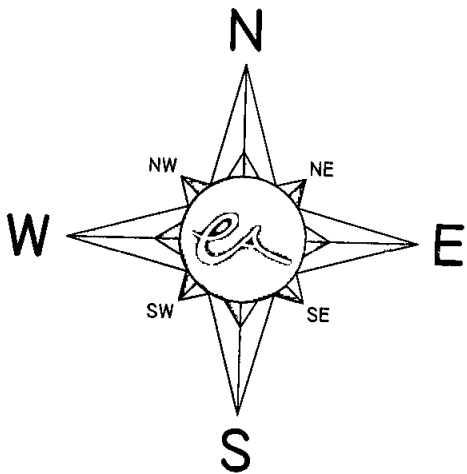


Teton, LLC
Water Rights Location Map

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SECTION 16 - T 121 N - R 47 W
SCALE: 1 INCH = 2000 FEET



BASIS OF BEARING: Bearings are assumed

LEGEND

- FOUND REBAR WITH SURVEY CAP STAMPED 'JOHN J. SCOTT RLS 2092'
- FOUND REBAR WITH SURVEY CAP STAMPED 'LARSON 2499'
- ▲ FOUND REBAR
- SET MAGNETIC NAIL IN ASPHALT
- SET 5/8" X 18" REBAR WITH SURVEY CAP STAMPED 'JOHNSON LS 5816'
- △ CALCULATED CORNER

PROJECT NUMBER:	Y12222.D01
CREW CHIEF:	
DRAFTED BY:	BJB
REVIEWED BY:	TVM
DRAWING:	12222 Water Rights
LAYOUT:	Location Map
SHEET NO.	1 OF 1 TOTAL SHEETS

Prepared By
Eisenbraun & Associates
Professional Engineers & Surveyors
Innovative Solutions - Long Term Value
215 Walnut
Yankton, South Dakota 57078
605-665-8092
FAX 605-665-0523
www.eaweb.com

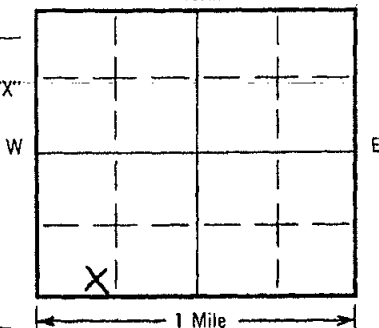
PW 2

SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location SW 1/4 SW 1/4 Sec 15 Twp 121 N Rg 47 W
County Grant

Please mark well location with an "X"



Well Completion Date

11/24/07

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? N/A 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
 49.56 LB/FT 12 IN 2 FT 143 FT 18 3/4 IN
 _____ LB/FT _____ IN _____ FT _____ FT _____ IN
 _____ LB/FT _____ IN _____ FT _____ FT _____ IN

GROUTING DATA

Grout Type No. of Sacks Grout Weight From To
 Neat 100 _____ lb./gal 0 ft. 105 ft.
 Cement _____ lb./gal _____ ft. _____ ft.

Describe grouting procedure Pressure grouted from 105 To ground level

SCREEN: ☐ Perforated pipe ☒ Manufactured

Diameter 10" pipe size IN Length 35 FEET

Material 304 stainless steel

Slot Size 40 Set From 143 Feet to 178 Feet

Other information 12" x 10" concentric weld

Reducer to connect pipe to screen

WAS A PACKER OR SEAL USED? ☐ YES ☒ NO

If so, what material?

Describe packer(s) and location?

DISINFECTION: Was well disinfected upon completion?

YES, How:

X NO, Why Not?

Laboratory sent to for water quality analysis

it was going to be immediately test pumped then disinfected

Well Owner: Otter Tail Power Company

Business Name: Otter Tail Power Company

Address: 90 Barr Engineering Co.

4700 W 77th St. Minneapolis MN 55435

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
clay Reddish Brown	0	26
clay Gray	26	90
Sand Gray	90	180

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STATIC WATER LEVEL 75' Feet

if flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced Flowrate _____ GPM

Can well be completely shut in? _____

WELL TEST DATA:

☒ Pumped

Describe: 50 hp test pump Set at 140'

☐ Bailed☐ Other

Pumping Level Below Land Surface

93.6 ft. After 83 Hrs. pumped 550 GPM

_____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate _____ GPM

REMARKS

Well cleaned up very nice
 no sand

This well was drilled under license # 424

And this report is true and accurate.

Drilling Firm Boart Longyear

Signature of License Representative:

Signature of Well Owner or Equitable Property Holder:

Date: 3/5/07

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RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date 10/8, 20 14

RECEIVED OF PVC Management II LLP PO Box 188 Pipestone MN 56164

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

Fee for Application for Permit No. <u>8066-3</u> to Appropriate Water, to construct and to put water to beneficial use	500	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	500 00

No. **06966**

By

James Goodman
Chief Engineer

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date 12/3, 20 14

RECEIVED OF Farm Credit Services for Teton LLC Watertown SD 57201

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

Fee for Application for Permit No. _____ to Appropriate Water, to construct and to put water to beneficial use	200	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>8066-3</u>		
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. _____	200	00
Fee for Renewal of Well Pump Installer's License No. _____ for C.Y. _____		
(Any Other Work Provided by Law)	TOTAL	

No. **06996**

By J. James Goodman
Chief Engineer

Eisenbraun & Associates
Professional Engineers & Surveyors

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OCT 08 2014

**WATER RIGHTS
PROGRAM**

September 30, 2014

SD Water Right Program
c/o Eric Gronlund
Foss Building, 523 E. Capitol
Pierre, South Dakota 57501

RE: Teton, LLC, Grant County, SD
E/A Project No. Y1222.D01

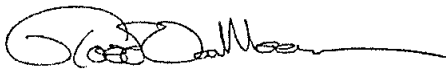
Dear Mr. Gronlund:

This letter and the attached documentation shall serve as the informational submittal for Teton, LLC Water Rights permit application. The proposed operation will be located in the SW ¼, Section 16, T121N, R47W, Grant County, SD.

The Teton, LLC project is swine production facility. The owner has obtained a conditional use permit from Grant County and a SD DENR CAFO Permit. The facility's water well usage will be within the domestic usage range. A water rights permit is desired to protect their water source and potential management changes.

Included with the application is the well log from SW, SW Section 15, T121N, R47W, Grant County, SD which is approximately 0.5 from the proposed well location, a location map, and a check for the application fee. If you have any questions, please contact us.

Sincerely,
Eisenbraun & Associates, Inc.



Todd Van Maanen, PE
Project Engineer

Enclosures



DEPARTMENT OF ENVIRONMENT
and NATURAL RESOURCES

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



October 8, 2014

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Teton LLC
c/o Dr. Barry Kerkaert
PO Box 188
Pipestone MN 56164

Dear Dr. Kerkaert:

Thank you for submitting the *Application for a Permit to Appropriate Water* for a swine production facility in Grant County. In order to complete the application, the following is required.

- We have received your check for \$500.00. The license fee of \$200.00 is also required at this time. Please submit an additional \$200.00.

If you have any questions, please contact me.

Sincerely,

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

Gronlund, Eric

From: Gronlund, Eric
Sent: Monday, December 22, 2014 3:48 PM
To: Todd VanMaanen (ToddV@eaweb.com)
Subject: Water perm application for Teton LLC

Teton LLC filed a water permit application to appropriate 50 gallons per minute from two wells. Based on the information provided with the application, the water source was determined to be the Veblen aquifer. The supplemental information form submitted with the application indicated a proposed well depth of 180 feet and a well completion report was also submitted for an OtterTail well in the neighboring section. The report for the OtterTail well indicated the aquifer was under confined conditions with a static water level of 75 feet below grade. Based on this, the application was reviewed as an appropriation of water from the Veblen aquifer. The staff report on the application is on Chief Engineer Jeanne Goodman's desk awaiting a final recommendation and then would go to public notice.

On December 15, 2014, DENR received two well completion reports from Kranz Well & Excavation for wells completed on December 2nd and 9th for Teton LLC Farms. The well depths are 57 feet (north well) and 294 feet (south well). Based on DENR's assessment, the wells are completed into different formations with the shallower being the Veblen aquifer and the deeper being Granite Wash.

The purpose of this email is to inquire regarding Teton LLC's intention regarding the source(s) to supply water to the facility. As you know, DENR administers water resources by source so the water permit(s) need to accurately reflect the water source and the amount of water use from each source.

Options:

1. Teton LLC can proceed with the application from the Veblen aquifer for 50 gpm and file a separate application for the well completed into the Granite Wash. The application for the Veblen aquifer once a recommendation is made, can proceed to public notice. An application from the Granite Wash will need to go through the normal review along with the associated timeframe for review.
2. Teton LLC can amend the existing application and set forth the diversion rate requested from each source. This will still require DENR to conduct a additional review of the portion of the application from the Granite Wash including the time to conduct the review. The fee could increase if additional water above the 50 gpm is requested.

In the event that the applications are contested, going with option No. 1 where the applications are public noticed at different times could result in two separate contested case hearings before the Water Management Board. Option No. 2 would give certainty that if contested, the hearing would be at the same time.

For the Chief Engineer to recommend approval of a water permit application, there needs to be a reasonable probability that recharge to the aquifer exceeds withdrawals from the aquifer by at least the amount of the requested permit. In the case of the Granite Wash, the areal extent has not been delineated, recharge hasn't been estimated, and Water Rights only measures one observation well completed into the wash. The applicant may need to provide information (i.e. aquifer pump test, aquifer delineation, recharge estimate, etc.) for DENR to move forward with an application.

Please understand that water use in excess of reasonable domestic use (maximum pump rate of 25 gpm and daily use not to exceed 25,920 gpd) can not occur at the facility until a water right permit is in place from either water source.

Eric Gronlund
Water Rights Program, DENR
605 773-3352
eric.gronlund@state.sd.us

11-02

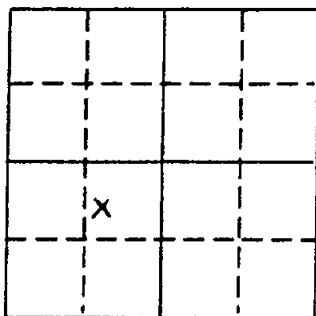
Date: 12-9-14

SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location NW 1/4 SW 1/4 Sec 16 Twp 12N Rg 47WWell Owner: Teton LLC FarmsCounty
Grant

North



South Well

Please mark well location with an "X"

Well completion Date

12-2-14

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

? 120 ft. from Concrete manure pit (identify source)

PROPOSED USE:

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

METHOD OF DRILLING:

Rotary

CASING DATA:

☐ Steel ☒ Plastic ☐ Other

If other describe

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>dr21 LB/FT</u>	<u>5</u> IN	<u>0</u> FT	<u>240</u> FT	<u>12</u> IN
<u>dr17 LB/FT</u>	<u>5</u> IN	<u>240</u> FT	<u>260</u> FT	<u>12</u> IN
LB/FT	IN	FT	FT	IN

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
<u>Bentonite</u>	<u>15</u>	Lb/gal	<u>260</u> Ft	<u>20</u> Ft
<u>Cement</u>	<u>3</u>	Lb/gal	<u>0</u> Ft	<u>20</u> Ft

Describe grouting procedure

SCREEN:

☐ Perforated pipe ☒ Manufactured
Diameter 5 Inches Length 35 FeetMaterial Stainless steelSlot Size .040 Set From 260 Feet to 295 FeetOther information gravel packed w/ .040 red flint

WAS A PACKER OR SEAL USED?

☒ Yes ☐ No
If so, what material? SS plateDescribe packer(s) and location bottom

DISINFECTION: Was well disinfected upon completion?

☒ Yes, How? Bleach
☐ No, Why Not?

Lab sample sent to for water quality analysis

Business Name:

Address1: 1300 S Hwy 75

Address2:

City, State, Zip: Pipestone MN 56164

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
<u>Top Soil</u>	<u>0</u>	<u>2</u>
<u>Yellow clay</u>	<u>2</u>	<u>18</u>
<u>Blue clay</u>	<u>18</u>	<u>52</u>
<u>Multi-grain sand</u>	<u>52</u>	<u>56</u>
<u>Blue clay</u>	<u>56</u>	<u>255</u>
<u>Quartz sand</u>	<u>255</u>	<u>294</u>

STATIC WATER LEVEL

115

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? yes

WELL TEST DATA:

☐ Pumped Describe: _____☐ Bailed☒ OtherAir Lifted

Pumping Level Below Land Surface

Ft. After _____ Hrs. pumped 25 GPM

Ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate: _____ GPM

REMARKS

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This well was drilled under license # 598

And this report is true and accurate.

Drilling firm: Kranz Well + Excavation

Signature of License Representative:

Signature of Well Owner or Equitable Property Holder:

Date: 12-2-14

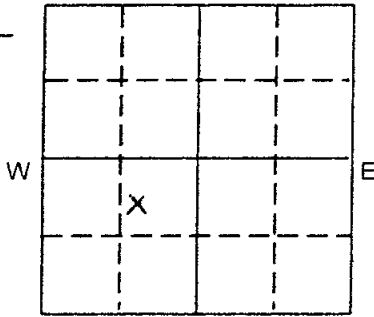
SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location NW 1/4 SW 1/4 Sec 16 Twp 121N Rg 47WCounty
Grant

North

South Well

Please mark well
location with an "X"

Well completion Date

12-2-14

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

120 ft. from concrete manure pit (identify source)

PROPOSED USE:

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

METHOD OF DRILLING:

Rotary

CASING DATA:

☐ Steel ☒ Plastic ☐ Other

If other describe

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>5</u> LB/FT	<u>5</u> IN	<u>0</u> FT	<u>240</u> FT	<u>12</u> IN
<u>5</u> LB/FT	<u>5</u> IN	<u>240</u> FT	<u>260</u> FT	<u>12</u> IN
<u>5</u> LB/FT	<u>5</u> IN	<u>260</u> FT	<u>295</u> FT	<u>12</u> IN

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
<u>Bentonite</u>	<u>15</u>	<u>0</u> Lb/gal	<u>260</u> Ft	<u>20</u> Ft
<u>Cement</u>	<u>3</u>	<u>0</u> Lb/gal	<u>0</u> Ft	<u>20</u> Ft

Describe grouting procedure

SCREEN:

☐ Perforated pipe ☒ Manufactured
Diameter 5 Inches Length 35 FeetMaterial Stainless steelSlot Size .040 Set From 260 Feet to 295 FeetOther information gravel packed w/ .040 red flint

WAS A PACKER OR SEAL USED?

☒ Yes ☐ No
If so, what material? SS plateDescribe packer(s) and location bottom

DISINFECTION: Was well disinfected upon completion?

☒ Yes, How? Bleach
☐ No, Why Not?
Lab sample sent to for
water quality analysisWell Owner: Teton LLC Farms

Business Name:

Address1: 1300 S Hwy 75

Address2:

City, State, Zip: Pipestone MN 56164

WELL LOG:

DEPTH

FORMATION	FROM	TO
<u>Top Soil</u>	<u>0</u>	<u>2</u>
<u>Yellow clay</u>	<u>2</u>	<u>18</u>
<u>Blue clay</u>	<u>18</u>	<u>52</u>
<u>Multi-grain sand</u>	<u>52</u>	<u>56</u>
<u>Blue clay</u>	<u>56</u>	<u>255</u>
<u>Quartz sand</u>	<u>255</u>	<u>294</u>

STATIC WATER LEVEL

115

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? yes

WELL TEST DATA:

☐ Pumped Describe:☐ Bailed☒ OtherAir lifted

Pumping Level Below Land Surface

Ft. After

Hrs. pumped

25

GPM

Ft. After

Hrs. pumped

GPM

If pump installed, pump rate:

GPM

REMARKS

RECEIVED

DEC 15 2014

WATER RIGHTS
PROGRAMThis well was drilled under license # 598

And this report is true and accurate.

Drilling firm: Kranz Well & Excavation

Signature of License Representative:

Signature of Well Owner or Equitable Property Holder:

Date: 12-2-14

12-10-14

SOUTH DAKOTA WATER WELL COMPLETION REPORT

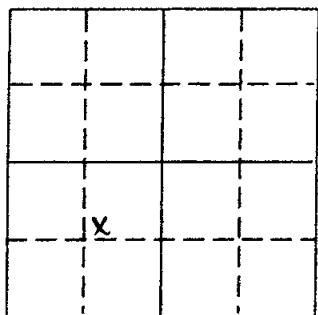
11-02

Location NW 1/4 SW 1/4 Sec 16 Twp 121N Rg 47WCounty
Grant

North

north well

Please mark well location with an "X"



Well completion Date

12-9-14

1 Mile

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

? 160 ft. from concrete manure pit (identify source)

PROPOSED USE:

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

METHOD OF DRILLING:

Rotary

CASING DATA:

☐ Steel
☐ Plastic
☐ Other

If other describe

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>5</u> LB/FT	<u>5</u> IN	<u>0</u> FT	<u>37</u> FT	<u>9 1/4</u> IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
<u>bentonite</u>	<u>9</u>	<u>20</u> Lb/gal	<u>0</u> FT	<u>37</u> FT
<u>cement</u>	<u>2</u>	<u>0</u> Lb/gal	<u>0</u> FT	<u>20</u> FT

Describe grouting procedure tremmie line

SCREEN:

☐ Perforated pipe
☒ Manufactured
Diameter 5 Inches Length 20 FeetMaterial pvcSlot Size .025 Set From 37 Feet to 57 FeetOther information .040 red flint?

WAS A PACKER OR SEAL USED?

☒ Yes
☐ No
If so, what material? pvc capDescribe packer(s) and location bottom of screen

DISINFECTION: Was well disinfected upon completion?

☒ Yes, How? Bleach
Lab sample sent to for water quality analysis ☐ No, Why Not?Well Owner: Teton LLC Farms

Business Name:

Address1: 1300 S Hwy 75

Address2:

City, State, Zip: Pipestone MN 56164

WELL LOG:

DEPTH

FORMATION

FROM

TO

<u>Top soil</u>	<u>0</u>	<u>5</u>
<u>Yellow clay</u>	<u>5</u>	<u>17</u>
<u>Blue clay</u>	<u>17</u>	<u>37</u>
<u>Coarse sand</u>	<u>37</u>	<u>57</u>

STATIC WATER LEVEL

35

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? yes

WELL TEST DATA:

☒ Pumped Describe: submersible pump
☐ Bailed
☒ Other Airlifted

Pumping Level Below Land Surface

Ft. After 1 Hrs. pumped 60 GPM

Ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate: _____ GPM

REMARKS

RECEIVED
DEC 15 2014
WATER RIGHTS
PROGRAM

This well was drilled under license # 598

And this report is true and accurate.

Drilling firm: Kranz Well + Excavation

Signature of License Representative

Signature of Well Owner or Equitable Property Holder

Date: 12-9-14

12-10

RECEIVED

FEB 17 2015

WATER RIGHTS
PROGRAM

Eisenbraun & Associates
Professional Engineers & Surveyors

February 10, 2015

SD Water Right Program
c/o Eric Gronlund
Foss Building, 523 E. Capitol
Pierre, South Dakota 57501

RE: Teton, LLC, Grant County, SD
E/A Project No. Y12222.D01

Dear Mr. Gronlund:

This letter shall serve as official notice that Teton, LLC desires to proceed with the submitted water rights application for two (2) wells in the Veblen Aquifer. It is their intent to file a separate application for a well in the Granite Wash Aquifer for SW $\frac{1}{4}$, Section 15, T121N, R47W, Grant County, SD

If you have any questions, please contact us.

Sincerely,
Eisenbraun & Associates, Inc.



Todd Van Maanen, PE
Project Engineer

Gronlund, Eric

From: Todd VanMaanen <ToddV@eaweb.com>
Sent: Monday, March 23, 2015 5:17 PM
To: Gronlund, Eric
Subject: Teton - water rights

Eric, I don't remember getting back to you. The annual water usage should be around 5.5-7.3M gallons. We understand your desire to publish & hear the two permit at the same time. And I do remember that you told me that the department may want to study the aquifer for a year prior to making a decision. If it would help to get approval, I know we would be willing to look at a lower maximum withdrawal. Thanks

From: Gronlund, Eric [<mailto:Eric.Gronlund@state.sd.us>]
Sent: Monday, March 09, 2015 2:00 PM
To: Todd VanMaanen
Subject: water rights

Todd – called and you were out, possibly at a basketball game. I'll try calling you back Tuesday morning. As a precursor to the call the issues I plan to discuss are:

1. DENR is looking in addition to the peak diversion rate putting an annual volume on all new permits for municipal, rural water system, suburban housing development, commercial or industrial uses. This includes permits for CAFO's. What is the annual volume of water anticipated for the Teton facility.
2. DENR desire to conduct the hearing on Teton's application for the Veblen aquifer at the same time as the Teton's application for the Granite Wash. DENR does not see a benefit to conducting two separate contested case hearings on the matter.
3. Teton's application from the Granite Wash is currently out for staff review. I told you previously that there is a real possibility that the recommendation will be for deferral in order for a aquifer pump test to be conducted since little is known about the aquifer. Until the staff engineer's report is completed will not know for sure but wanted to make you aware of the possibility.

Eric Gronlund

No. 8066-3 & 8127-3

Water Rights Program - DENR
Conversation File Documentation

NAME OF PERSON OR FILE: Application Nos. 8066-3 & 8127-3, Teton LLC.

ADDRESS: PO Box 188, Pipestone MN COUNTY: Grant County

DATE: April 22, 2015 TELEPHONE:

RE: Commercial use designation on applications

When filed, the applications under the "check use(s) of water", the applicant checked domestic (over 18 gpm). However based on ARSD 74:02:01:01(1) this is a commercial use in that it is a livestock confinement operation that exceed reasonable domestic use. Therefore the applications were amended accordingly.

In the case of Application No. 8127-3, the application requests an appropriation of 25 gpm which is within the maximum pump capacity for reasonable domestic use. However, the volume of water may be in excess established volume for reasonable domestic use of 25,920 gallons per day.

NAME: Eric Hunkler

RECEIVED

JUN - 8 2015

Printer's Affidavit of Publication

WATER RIGHTS
PROGRAM

STATE OF SOUTH DAKOTA
COUNTY OF GRANT

} SS.

Ashlie Bubltz

of said County and State, being first duly sworn, on oath says that the Grant County Review is a legal weekly newspaper of general circulation, printed and published in Milbank, in said County of Grant and State of South Dakota, by Grant County Review, Inc., and has been such newspaper during the times hereinafter mentioned; that said newspaper is a legal newspaper; and that it has a bona fide circulation of more than two hundred copies weekly, and has been published within said County of Grant in the English language and has been admitted to the United States mail under second class mailing privilege, for at least one year next prior to the publication of the Notice herein mentioned, and has been printed wholly in an office maintained at the said place of publication, that I, the undersigned, Bookkeeper of said newspaper, in charge of the accounts receivable department thereof, have personal knowledge of all the facts stated in this affidavit; that the advertisement headed Notice of Hearing on Application Nos. 8066-3 and 8127-3 to Appropriate Water a printed copy of which, taken from the paper in which the same was published, is attached to this sheet and is made a part of this Affidavit, was published in said newspaper at least once each week for one successive week, on the day of each week on which the said newspaper was regularly published, to-wit:

<u>June 3</u>	<u>20 15</u>	<u>20</u>
	<u>20</u>	<u>20</u>
	<u>20</u>	<u>20</u>

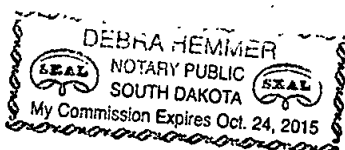
That \$ 66.47, being the full amount of the fee charged for the publication of said Notice, inures to the benefit of the publisher of the Grant County Review; that no agreement or understanding for the division thereof has been made with any person and that no part has been agreed to be paid to any person whomsoever.

Ashlie Bubltz

Subscribed and sworn to before me this 3rd day of June 20 15

Debra Hemmer

Notary Public, Grant County, South Dakota



NOTICE OF HEARING on Application Nos. 8066-3 and 8127-3 to Appropriate Water
Notice is given that Toton, LLC, c/o Dr. Barry Kerkstra and Dr. Luke Minson, PO Box 188, Pipestone MN 56154 have filed two applications for water permits for commercial use purposes at a swine production facility in Grant County.
Application No. 8066-3 proposes to appropriate 0.11 cubic feet of water per second (22.4 acre feet annually) from two wells to be completed into the Verbeek Aquifer (180 feet deep) located in the N 1/2 SW 1/4 Section 16-T12N-R47W.
Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 8066-3 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.
Application No. 8127-3 proposes to appropriate 0.066 cubic feet of water per second (25 gallons per minute) from one well completed into the Granite Wash/Milbank Granite Aquifer (294 feet deep) located in the NW 1/4 SW 1/4 Section 16-T12N-R47W.
Pursuant to SDCL 46-2A-2, the Chief Engineer recommends DEFERRAL of application No. 8127-3 for up to one year for the applicant to provide more information necessary to adequately determine if there is unappropriated water available and if the potential effect of pumping at the proposed well site adversely impacts existing water users which are criteria set forth in SDCL 46-2A-9 for when a water right permit may be issued.
SDCL 46-2A-4(10) provides that "if the applicant does not contest the recommendations of the Chief Engineer and no petition to oppose the applications are received, the Chief Engineer shall on the applications pursuant to the Chief Engineer's recommendations and no hearing may be held before the board, unless the Chief Engineer makes a finding that an application, even if uncontested, presents important issues of public policy or public interest that should be heard by the board." In this case, the Chief Engineer finds that these applications present important issues of public interest that should be heard by the Water Management Board.
The Water Management Board will consider these applications at 10:00 a.m. on July 9, 2015 in the Matthew Training Center, Joe Foss Bldg, 523 E. Capitol Ave. Pierre SD. The Chief Engineer's recommendation is not final or binding upon the Board. The Board is authorized to 1) approve, 2) approve with qualifications, 3) defer, or 4) deny these applications based on the facts presented at the public hearing. The agenda time is an estimate and may be delayed due to prior agenda items. Notice will be provided to those who file petitions if there is any change in the hearing time or date.
Any interested person who intends to participate in the hearing shall file a petition to oppose or support the applications and the petition shall be filed with BOTH the applicant and Chief Engineer. The applicant must also file a petition if opposed to the Chief Engineer's recommendations. 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 29, 2015. The petition may be informal, but shall be in writing and shall include a statement describing the petitioner's interest in the applications, the petitioner's reasons for opposing or supporting the applications, and the signature and mailing address of the petitioner or the petitioner's legal counsel, if legal counsel is obtained. The hearing is an adversary proceeding and any party has the right to be present at the hearing and to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised at the hearing and decisions of the Board may be appealed to the Circuit Court and State Supreme Court as provided by law.
The July 9, 2015 hearing date will be automatically delayed for at least 20 days upon written request to the Chief Engineer from the applicant or any person who has filed a petition to oppose or support the application. The request for an automatic delay must be filed by June 29, 2015. If an automatic delay is requested, the hearing will be rescheduled for a future Board meeting and personal notice will be provided to all petitioners regarding the time, date and location.
Information concerning these applications is available at <http://dwd.sds.gov>. Contact Eric Cronlund by June 29, 2015 at the above Chief Engineer's address to request copies of the staff report, recommendations, applications or other information. Notice is given to individuals with disabilities that this hearing is being held in a physically accessible place. Please notify the Department of Environment and Natural Resources at least 48 hours before the hearing if you have a disability for which special arrangements must be made at the hearing. The telephone number for making arrangements is (605) 773-3352.
Under SDCL 1-26-17(7) notice must state that "if the amount in controversy exceeds \$2,500.00 or if a property right may be terminated, any party to the contested case may require the agency to use the Office of Hearing Examiners by giving notice of the request to the agency no later than ten days after service of a notice of hearing issued pursuant to SDCL 1-26-17." This is a Notice of Hearing, service is being provided by publication, and the applicable date to give notice to the Chief Engineer is June 15, 2015. However, since this particular matter is a water permit application and not a monetary controversy in excess of \$2,500.00 or termination of a property right the Chief Engineer disputes the applicability of this provision and maintains that the hearing must be conducted by the Board.
As applicable, the following provides the legal authority and jurisdiction under which the hearing will be held and the particular statutes and rules pertaining to this application: SDCL 1-26-16 thru 1-26-28; SDCL 46-1-1 thru 46-1-9; 46-1-13 thru 46-1-18; 46-2-3.1, 46-2-3, 46-2-11, 46-2-17; 46-2A-1 thru 46-2A-12; 46-2A-14, 46-2A-15, 46-2A-20, 46-2A-21, 46-2A-23, 46-5-1.1, 46-5-2 thru 46-5-26, 46-5-30.2 thru 46-5-30.4, 46-5-31, 46-5-32 thru 46-5-34.1, 46-5-38 thru 46-5-39, 46-5-46, 46-5-47, 46-5-49; 46-6-1 thru 46-6-3.1, 46-6-6.1, 46-6-10, 46-6-13, 46-6-14, 46-6-21, 46-6-26; and Board Rules ARSD 74-02:01-01 thru 74-02:01-25:02, 74-02:01-35:01.
Steven M. Firmer, Secretary, Department of Environment and Natural Resources
Published once at an approximate cost of \$66.47.

Publication Fee \$ 66.47
Notarial Fee \$
Total \$ 66.47

RECEIVED

JUN 10 2015

WATER RIGHTS
PROGRAM

Form 8

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County of Codington) SSI, Monica K. Saathoffcertify that the attached printed Notice was
takenfrom the Watertown Public Opinionprinted and published in WatertownCounty of Codington andstate of South Dakota. The notice was
published

in the newspaper on the following date:

June 3rd 2015Cost of Printing \$155.00Monica K. Saathoff
(Signature)Bookkeeper

(Title)

June 3rd, 2015

(Date Signed)

SOUTH
DAKOTANOTICE OF HEARING on
Applications Nos. 8066-3
and 8127-3 to Appropriate
Water

Notice is given that Teton, LLC, c/o Dr. Barry Kerkaert and Dr. Luke Minion, PO Box 188, Pipestone MN 56164 have filed two applications for water permits for commercial use purposes at a swine production facility in Grant County.

Application No. 8066-3 proposes to appropriate 0.11 cubic feet of water per second (22.4 acre feet annually) from two wells to be completed into the Veblen Aquifer (180 feet deep) located in the N 1/2 SW 1/4 Section 16-T121N-R47W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 8066-3 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.

Application No. 8127-3 proposes to appropriate 0.056 cubic feet of water per second (25 gallons per minute) from one well completed into the Granite Wash/Milbank Granite Aquifer (294 feet deep) located in the NW 1/4 SW 1/4 Section 16-T121N-R47W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends DEFERRAL of Application No. 8127-3 for up to one year for the applicant to provide more information necessary to adequately determine if there is unappropriated water available and if the potential effect of pumping at the proposed well site will adversely impact existing water users which are criteria set forth in SDCL 46-2A-9 for when a water right permit may be issued.

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The Water Management Board will consider these applications at 10:00 a.m. on July 9, 2015 in the Matthew Training Center, Joe Foss Bldg, 523 E. Capitol Ave. Pierre SD. The Chief Engineer's recommendation is not final or binding upon the Board. The Board is authorized to 1) approve, 2) approve with qualifications, 3) defer, or 4) deny these applications based on the facts presented at the public hearing. The agenda time is an estimate and may be delayed due to prior agenda items. Notice will be provided to those who file petitions if there is any change in the hearing time or date.

Any interested person

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Steven M. Pimer, Secretary
Department of Environment
and Natural Resources
(June 3, 2015)

All legal notices in the Public
Opinion and other South
Dakota newspapers can be
found at
www.sdpublicnotices.com



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

denr.sd.gov

May 27, 2015

Grant County Review
PO Box 390
Milbank SD 57252

ATTENTION: Legal Public Notice

Enclosed is a Notice on Application Nos. 8066-3 and 8127-3 to Appropriate Water. Please publish the notice once on June 3, 2015. The text of the notice can be e-mailed to your paper by contacting Karen Schlaak at (605) 773-3352.

The applicant must verify to you that the notice is to be published and arrange for payment. **Please BILL the APPLICANT for the cost of publication.** The APPLICANT is Teton, LLC, c/o Dr. Barry Kerkaert, PO Box 188, Pipestone MN 56164 (Ph # 507-825-4211).

Please send the Water Rights Program an affidavit or the enclosed Proof of Publication form immediately.

The applicant pays the cost of publication, but the Water Rights Program records require an affidavit or Proof of Publication. Delays in receiving the affidavit can be costly to the applicant.

Sincerely,

Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

denr.sd.gov

May 27, 2015

Public Opinion
PO Box 10
Watertown SD 57201

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Sincerely,

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Natural Resources Engineer
605 773-3352

enclosures



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 27, 2015

Teton, LLC
Dr. Barry Kerkaert & Dr. Luke Minion
PO Box 188
Pipestone MN 56164

Dear Drs. Kerkaert & Minion:

Water Permit Application No. 8066-3 and 8127-3 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 Grant County Review printed at Milbank SD (Ph # 605-432-4516) and the Public Opinion printed at Watertown SD (Ph # 605-886-6901). 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

c: Todd Van Maanen, Eisenbraun & Associates, 215 Walnut, Yankton SD 57078

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.

Instruction to Newspaper – Publish the Notice on June 3, 2015. The applicant is responsible for payment. The text of the notice can be e-mailed to your paper by contacting Karen Schlaak at (605) 773-3352 or email: Karen.schlaak@state.sd.us.

NOTICE OF HEARING on Applications Nos. 8066-3 and 8127-3 to Appropriate Water

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Application No. 8127-3 proposes to appropriate 0.056 cubic feet of water per second (25 gallons per minute) from one well completed into the Granite Wash/Milbank Granite Aquifer (294 feet deep) located in the NW 1/4 SW 1/4 Section 16-T121N-R47W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends DEFERRAL of Application No. 8127-3 for up to one year for the applicant to provide more information necessary to adequately determine if there is unappropriated water available and if the potential effect of pumping at the proposed well site will adversely impact existing water users which are criteria set forth in SDCL 46-2A-9 for when a water right permit may be issued.

SDCL 46-2A-4(10) provides that "if the applicant does not contest the recommendations of the Chief Engineer and no petition to oppose the applications are received, the Chief Engineer shall act on the applications pursuant to the Chief Engineer's recommendations and no hearing may be held before the board, unless the Chief Engineer makes a finding that an applications, even if uncontested, presents important issues of public policy or public interest that should be heard by the board." In this case, the Chief Engineer finds that these applications present important issues of public interest that should be heard by the Water Management Board.

The Water Management Board will consider these applications at 10:00 a.m. on July 9, 2015 in the Matthew Training Center, Joe Foss Bldg, 523 E. Capitol Ave. Pierre SD. The Chief Engineer's recommendation is not final or binding upon the Board. The Board is authorized to 1) approve, 2) approve with qualifications, 3) defer, or 4) deny these applications based on the facts presented at the public hearing. The agenda time is an estimate and may be delayed due to prior agenda items. Notice will be provided to those who file petitions if there is any change in the hearing time or date.

Any interested person who intends to participate in the hearing shall file a petition to oppose or support the applications and the petition shall be filed with BOTH the applicant and Chief Engineer. The applicant must also file a petition if opposed to the Chief Engineer's recommendations. 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 29, 2015. The petition may be informal, but shall be in writing and shall include a statement describing the petitioner's interest in the applications, the petitioner's reasons for opposing or supporting the applications, and the signature and mailing address of the petitioner or the petitioner's legal counsel, if legal counsel is obtained. The hearing is an adversary proceeding and any party has the right to be present at the hearing and to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised at the

hearing and decisions of the Board may be appealed to the Circuit Court and State Supreme Court as provided by law.

The July 9, 2015 hearing date will be automatically delayed for at least 20 days upon written request to the Chief Engineer from the applicant or any person who has filed a petition to oppose or support the applications. The request for an automatic delay must be filed by June 29, 2015. If an automatic delay is requested, the hearing will be rescheduled for a future Board meeting and personal notice will be provided to all petitioners regarding the time, date and location.

Information concerning these applications is available at <http://denr.sd.gov/public>. Contact Eric Gronlund by June 29, 2015 at the above Chief Engineer's address to request copies of the staff report, recommendation, applications or other information. Notice is given to individuals with disabilities that this hearing is being held in a physically accessible place. Please notify the Department of Environment and Natural Resources at least 48 hours before the hearing if you have a disability for which special arrangements must be made at the hearing. The telephone number for making arrangements is (605) 773-3352.

Under SDCL 1-26-17(7) notices must state that "if the amount in controversy exceeds \$2,500.00 or if a property right may be terminated, any party to the contested case may require the agency to use the Office of Hearing Examiners by giving notice of the request to the agency no later than ten days after service of a notice of hearing issued pursuant to SDCL 1-26-17." This is a Notice of Hearing, service is being provided by publication, and the applicable date to give notice to the Chief Engineer is June 15, 2015. However, since this particular matter is a water permit applications and not a monetary controversy in excess of \$2,500.00 or termination of a property right the Chief Engineer disputes the applicability of this provision and maintains that the hearing must be conducted by the Board.

As applicable, the following provides the legal authority and jurisdiction under which the hearing will be held and the particular statutes and rules pertaining to this applications: SDCL 1-26-16 thru 1-26-28; SDCL 46-1-1 thru 46-1-9, 46-1-13 thru 46-1-16; 46-2-3.1, 46-2-9, 46-2-11, 46-2-17; 46-2A-1 thru 46-2A-12, 46-2A-14, 46-2A-15, 46-2A-20, 46-2A-21, 46-2A-23; 46-5-1.1, 46-5-2 thru 46-5-26, 46-5-30.2 thru 46-5-30.4, 46-5-31, 46-5-32 thru 46-5-34.1, 46-5-38 thru 46-5-39, 46-5-46, 46-5-47, 46-5-49; 46-6-1 thru 46-6-3.1, 46-6-6.1, 46-6-10, 46-6-13, 46-6-14, 46-6-21, 46-6-26; and Board Rules ARSD 74:02:01:01 thru 74:02:01:25.02; 74:02:01:35.01.

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



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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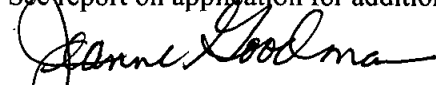
**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 8066-3, Teton LLC**

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. 8066-3, Teton LLC, c/o Dr. Barry Kerkaert, PO Box 188, Pipestone MN 56164.

The Chief Engineer is recommending APPROVAL of Application No. 8066-3 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, 4) it is in the public interest with the following qualifications:

1. The wells 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 wells authorized by Permit No. 8066-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) pursuant to Section 74:02:04:28.
3. Permit No. 8066-3 is subject to compliance with requirements of the Department's Water Pollution Control Permit issued pursuant to SDCL 34A-2-36 or 34A-2-112 for concentrated animal feeding operations.
4. Permit No. 8066-3 is subject to compliance with all existing and applicable Water Management Board Rules including but not limited to:
 - a) Chapter 74:54:01 Ground Water Quality Standards,
 - b) Chapter 74:54:02 Ground Water Discharge Permit,
 - c) Chapter 74:51:01 Surface Water Quality Standards,
 - d) Chapter 74:51:02 Uses Assigned to Lakes,
 - e) Chapter 74:51:03 Uses Assigned to Streams, and
 - f) Chapter 74:52:01 through 74:52:11 Surface Water Discharge Provisions
5. The Permit holder shall report to the Chief Engineer annually the amount of water withdrawn from the Veblen Aquifer.
6. Water Permit No. 8066-3 authorizes a total annual diversion of 22.4 acre feet of water (7.3 million gallons/annually).

See report on application for additional information.


Jeanne Goodman, Chief Engineer
May 27, 2015

REPORT TO THE CHIEF ENGINEER
ON
WATER PERMIT APPLICATION NO. 8066-3
TETON LLC
DECEMBER 16, 2014

Water Permit Application No. 8066-3 proposes to appropriate water from the Veblen aquifer using two wells. The wells are to be located in the N½ SW¼ of Section 16, T121N-R47W. Water is to be diverted from the wells at a maximum diversion rate of 0.11 cubic feet of water per second (cfs) for commercial use in a livestock production facility.

AQUIFER: Veblen aquifer (VEB)

GEOLOGY AND AQUIFER CHARACTERISTICS:

Historically, various glacial outwash deposits underlying portions of northeastern South Dakota have been considered the “Veblen aquifer” (Buhler, 2007). The Veblen aquifer is a group of buried basal outwash deposits underlying portions of Roberts, Grant and Deuel Counties, South Dakota and Big Stone, Swift and Lac Qui Parle Counties, Minnesota. In Grant County, the aquifer should generally be considered within the areal extent and interval of altitude defined by Hansen (1990). However, subsequent investigations suggest Hansen may have overestimated the areal extent of the aquifer (Barr Engineering, 2007). A map showing the three principle delineations of the Veblen aquifer is shown in Figure 1. Individual sand and gravel units of the Veblen aquifer are not continuous throughout the entire mapped extent however; interconnection between the outwash deposits is likely in places (Buhler, 2007). The Veblen aquifer primarily consists of medium to coarse sand and fine gravel that is generally under confined conditions. The aquifer slopes to the east at about 13 feet per mile, and the direction of water movement in the aquifer is generally from west to east (Hansen, 1990). Hansen (1990) reported a range of aquifer depth of one to 210 feet below ground surface and an average aquifer thickness of 28 feet.

The well log for DENR-Water Rights Program observation well GT-77N, located approximately three-fourths of a mile southeast of the well sites proposed by this application, reports sand interbedded with clay from 87-200 feet below grade (Water Rights, 2014a). A completion report for a well constructed less than one mile east of the well sites proposed by this application identifies sand, (i.e. Veblen aquifer) from 90-180 feet below grade (Water Rights, 2014c). The report indicated the aquifer was under confined conditions with a static water level of 75 feet below grade on January 24, 2007. The well was reportedly test pumped at 550 gallons per minute and had a specific capacity of 29.57 gallons per minute per foot of drawdown. Analysis of an aquifer pumping test at the well yielded an estimated transmissivity of 96,600 gal/day/ft and a storativity value of 0.00047 (Barr, 2007).

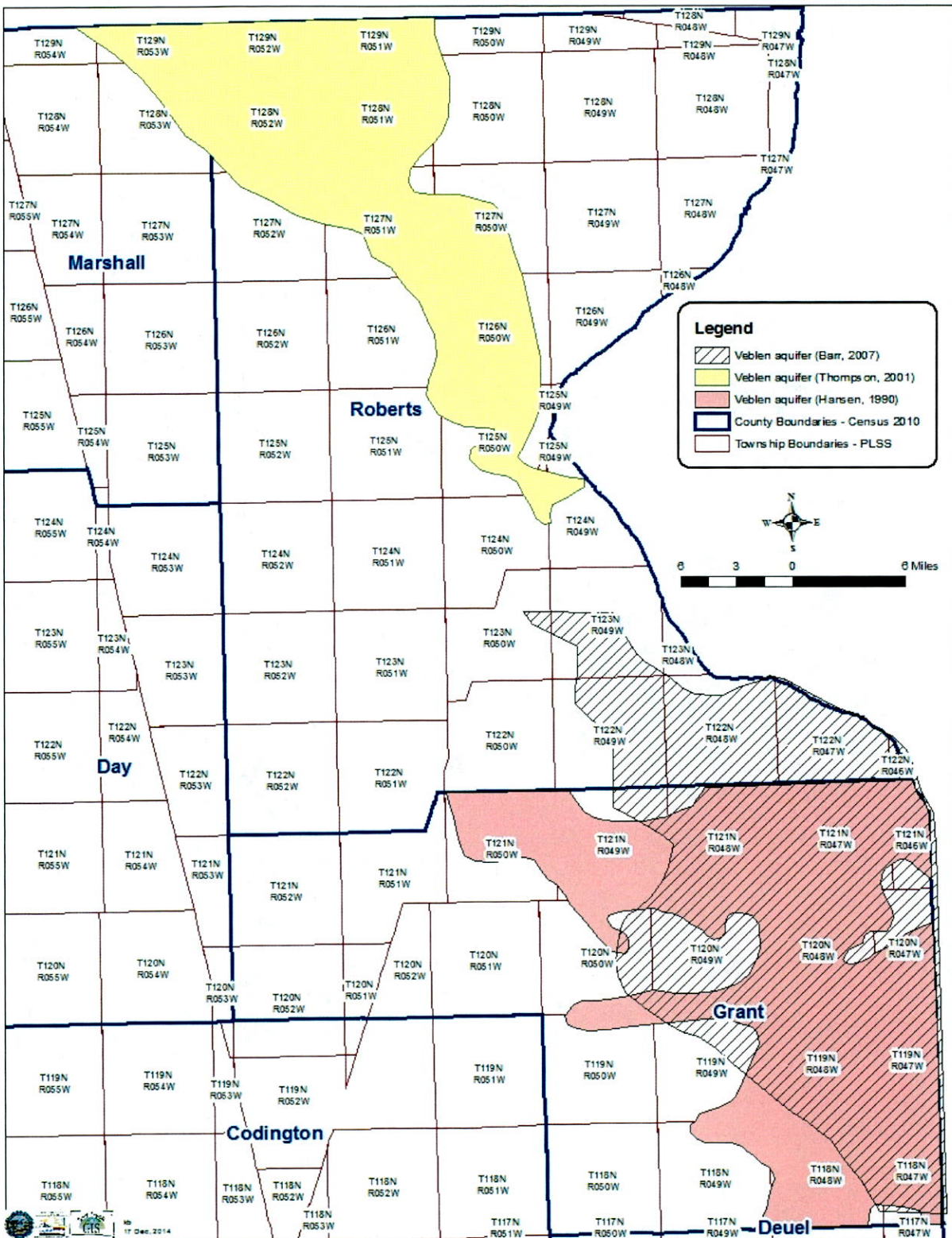


Figure 1. The areal extent of the Veblen aquifer in Grant and Roberts Counties, South Dakota (modified from Barr, 2007; Thompson, 2001; and Hansen, 1990)

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 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 from the aquifer.

WATER AVAILABILITY:

This application proposes to appropriate water from the Veblen aquifer at a rate of 0.11cfs. If this application is approved, annual water use will be limited to 22.4 acre-feet annually (ac-ft/yr). 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 or lower than the Greenhorn Formation and a public water system has applied for a permit, the Board need not consider the recharge/withdrawal issue. Here, a public water system is not involved and the aquifer is not older or lower than the Greenhorn Formation, therefore the withdrawal/recharge issue must be considered.

In applying SDCL 46-6-3.1, the Sixth Judicial Circuit Court ruled in 2005 that if the Water Management Board uses average annual recharge, then it should also use average annual withdrawals to determine if unappropriated water is available from the aquifer (*Hines v. South Dakota Dept. of Environ. and Nat'l. Resources, Hughes County 04-37*) (Memorandum Decision, April 29, 2005).

A 2012 First Judicial Circuit Court's rulings basically stated that data must be presented to show it is probable the average annual recharge exceeds the average annual discharge by at least the amount requested by the water permit application being considered (*Hanson County Dairy v. Robert Bender and Stace Nelson*) (Memorandum Decision, April 11, 2012).

Later in 2012, the First Judicial Circuit Court stated that the determination whether or not it is probable that the quantity of water withdrawn will exceed the quantity of the average estimated annual recharge is to be based on the best information reasonably available, and that nothing in South Dakota law requires a recharge study (*Longview Farms, LLP v. South Dakota Dept. of Environ. and Nat'l. Resources*), (Memorandum Decision, May 17, 2012).

Hydrologic Budget:

Withdrawals:

Discharge from the Veblen aquifer potentially occurs through outflow to local lakes and rivers, and well withdrawals for commercial, municipal, institutional, industrial, irrigation and domestic use (Hansen, 1990; Water Rights, 2013b). There are currently 48 water rights/permits appropriating water from the Veblen aquifer.

Thompson's interpretation of the geohydrologic data for Roberts County resulted in the Veblen aquifer terminating to the south in T124N (Thompson, 2001). The study area for the Barr Engineering investigation did not extend far enough north to corroborate or contradict Thompson

but did suggest a constriction in the outwash near the northern limit of their study area (Barr, 2007). The southern terminus of Thompson's outwash and the constriction at the northern edge of Barr's outwash both appear to be associated with a northwest-southeast trending bedrock high identified by Tomhave and Schulz, (2004). This constriction and/or discontinuity in the outwash allows the Veblen aquifer south of T124N to be treated separately from the outwash deposits north of T124N for water management purposes. The 39 water rights permits appropriating water from the Veblen aquifer south of T124N are shown in Table 1.

Table 1. Water Rights/Permits appropriating water from the Veblen aquifer

PERMIT NO	NAME	PRIORITY DATE	STATUS	USE	CFS	ACRES
6161-3	LOU'S GREENHOUSE	12/28/1999	LC	COM	0.04	NA
6636-3	WESTERN CONSOLIDATED COOP	07/06/2005	LC	COM	0.022	NA
7931-3	GCC READY MIX	12/02/2013	PE	COM	0.11	NA
8015-3	VICTORY FARMS LLC	05/13/2014	PE	COM	0.33	NA
5918-3	VICTORY FARMS	03/19/1996	LC	COM/LCO	0.33	NA
6230-3	RIVERVIEW LLP	09/20/2000	LC	COM/LCO	0.39	NA
6358-3	MICHAEL & NANCY JOHNSON	08/06/2002	LC	COM/LCO	0.11	NA
6171-3	COLD SPRING GRANITE CO	01/18/2000	LC	IND	0.111	NA
7649-3	POET BIOREFING	01/09/2013	PE	IND	3.34	NA
1939-3	KATHLEEN A TRAPP	04/13/1972	LC	IRR	1	71
2759-3	LIEBE IRRIGATION	06/09/1976	LC	IRR	2.23	198
2808-3	DUANE TRAPP	06/29/1976	LC	IRR	2	140
2994-3	ANTHONY G FOLK	09/09/1976	LC	IRR	1.39	97
3133-3	DAVID KRUGER	10/12/1976	LC	IRR	2.01	260
3134-3	DAVID KRUGER	10/12/1976	LC	IRR	1.78	230
3234A-3	MICHAEL D JOHNSON	11/08/1976	LC	IRR	0	0
3234B-3	JOEL ADLER	11/08/1976	LC	IRR	0	0
3412A-3	DANA JOHNSON	12/10/1976	LC	IRR	0.64	72
3412B-3	MARK & NIKI RETHKE	12/10/1976	LC	IRR	0.69	77
3627-3	JAMES/TERESA GRORUD	02/07/1977	LC	IRR	1.94	136
3723-3	ROCKY MEADOWS INC	02/14/1977	LC	IRR	1.11	164
3954-3	ROGER MC CULLOUGH	05/05/1977	LC	IRR	2.11	176
4084A-3	RICHARD WILL	06/20/1977	LC	IRR	1	254
4502-3	ROCKY GARDENS	03/10/1980	LC	IRR	0.17	40
4735-3	MICHAEL D JOHNSON	04/02/1981	LC	IRR	1	74
4844-3	RICHARD PILLATZKI	12/28/1981	LC	IRR	2	167
4856-3	MICHAEL D JOHNSON	01/08/1982	LC	IRR	1	70
5469-3	MICHAEL JOHNSON	04/29/1976	LC	IRR	2	230
5525-3	MIELITZ BROS	03/07/1991	LC	IRR	1.78	140
6947-3	JOEL ADLER	01/10/2008	PE	IRR	1.71	0
7216-3	MIELITZ BROS	10/06/2010	PE	IRR	2.28	160
7394-3	RODNEY FENHAUS	08/08/2012	PE	IRR	3.33	235
7439-3	MIELITZ BROS	09/19/2012	PE	IRR	1.14	80
7446-3	DALE TUCHSCHERER	09/25/2012	PE	IRR	1.78	64
7498-3	DALE TUCHSCHERER	10/31/2012	PE	IRR	1.78	116
7529-3	RUSTY DIMBERG	11/05/2012	PE	IRR	0.89	36
2006-3	TOWN OF CORONA	08/16/1973	LC	MUN	0.245	NA
4050-3	CITY OF BIG STONE CITY	07/05/1977	LC	MUN	3.3	NA
548-3	CITY OF MILBANK	01/01/1924	LC	MUN	2.1	NA

LC= Water Right, PE= Water Permit, COM= Commercial, LCO= Large Confinement Operation, IND= Industrial, IRR= Irrigation, MUN= Municipal

Water permits/rights appropriating water for non-irrigation purposes authorize a maximum diversion rate of 10.428 cfs. Assuming these non-irrigation appropriations will divert water at the maximum authorized rate 60% of the time, their annual withdrawal from the southern portion

of the Veblen aquifer is expected to be less than 4,530 ac-ft/yr. Irrigation use reported from the southern portion of the Veblen aquifer is shown in Table 2.

Table 2. Irrigation use reported from the southern portion of the Veblen aquifer

YEAR	NUMBER OF PERMITS/RIGHTS REPORTING	APPROPRIATION (AC-FT/YR)	REPORTED PUMPING (AC-FT/YR)
1979	28	13199	950.19
1980	28	13199	1087.08
1981	32	14837	1484.36
1982	23	10682.6	1111.75
1983	24	10422.6	1611.8
1984	28	12014.6	1718.0
1985	29	12905.8	903.1
1986	32	14495.8	726.70
1987	35	14015.8	1582.8
1988	34	12874.8	2670.3
1989	34	14974.8	1994.1
1990	31	14915.2	1550.60
1991	24	12051	195.80
1992	25	10739.0	748.80
1993	25	11209.0	220.10
1994	21	8913.0	677.83
1995	21	8913.0	537.08
1996	21	8913.0	869.36
1997	21	8913.0	794.0
1998	21	8913.0	945.2
1999	21	8913.0	899.14
2000	21	8913.0	1150.55
2001	20	8505.0	1365.09
2002	20	8505.0	1123.39
2003	20	8505.0	1456.83
2004	20	8505.0	1406.48
2005	19	8425.0	1370.83
2006	19	8425.0	1668.51
2007	18	8017.0	1404.83
2008	23	10186.0	1470.68
2009	20	8005.0	1067.84
2010	20	8005.0	1100.69
2011	21	8094.0	334.63
2012	22	8325.0	1265.45
2013	27	9387.0	1384.59
Max	35	14974.8	2670.3
Min	18	8005	195.8
Average	24.2	10451.89	1167.10

In addition to the appropriative rights from the Veblen aquifer, there are a number of water well completion reports on file with the SD DENR-Water Rights Program for domestic wells that appear to be completed into the Veblen aquifer (Water Rights, 2014c). The annual withdrawal due to domestic wells is not expected to be significant to the hydrologic budget of the Veblen aquifer.

The total average annual withdrawal from the southern portion of the Veblen aquifer due to well withdrawals is estimated to be less than 5,700 ac-ft/yr.

Recharge:

Recharge to the Veblen aquifer in Grant County occurs through direct infiltration of precipitation where the aquifer is at land surface and possibly through leakage from the till (Hansen, 1990). Hedges and others (1985) estimated the recharge rate for the Veblen aquifer as 0.24 inches per year (in/yr) for the confined portions of the aquifer and 5.2 in/yr for the unconfined portions.

Assuming average annual withdrawals from the aquifer will equal the average proposed by this application plus the average of existing users (5,700 ac-ft/yr + 50 ac-ft/yr = 5,750 ac-ft/yr), an average annual recharge rate of only 0.26 inches per year would be necessary to balance withdrawals, assuming the areal extent of the southern portion of the Veblen aquifer to be 265,000 acres. An annual recharge rate of 0.26 inches per year is within the range estimates for average annual recharge presented by Hedges and others, (1985) and in fact is on the conservative side. Therefore, there is a reasonable probability that unappropriated water is available in light of SDCL 46-6-3.1.

Observation well data:

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

The DENR-Water Rights Program monitors 34 observation wells completed into the Veblen aquifer, with 16 of these observation wells located in the southern portion of the aquifer. A map with the location of the observation wells and hydrographs for the wells are included in Appendix A.

The observation well data documents cyclic conditions of water levels, recharging during wet years and declining during dry years. Some of the hydrographs also show the effects of nearby pumping on the aquifer. Observation well data indicates that, at the current level of development, temporal well withdrawal is masked by climatic conditions, indicating that recharge to and natural discharge from the aquifer greatly exceeds well withdrawal. Therefore, unappropriated water is available from this area of the Veblen aquifer to support this proposed appropriation of 22.4 ac-ft/yr.

EXISTING WATER RIGHTS:

As previously noted, there are 39 water rights/permits appropriating water from the portion of the Veblen aquifer that Application No. 8066-3 proposes to appropriate water from (see Table 1). Eight of the appropriations from the southern portion of the Veblen aquifer have diversion points located within two miles of the well sites proposed by Application No. 8066-3 (see Figure 2) (Water Rights, 2014b). There are approximately 30 completion reports on file with the DENR-Water Rights Program for domestic wells located within two miles of the proposed well site that appear to be completed into the Veblen aquifer (Water Rights, 2014c). Although the Veblen aquifer is generally under confined conditions, drawdown from pumping high capacity wells measured in nearby observation wells is not substantial (see observation well hydrographs in Appendix A). For example, observation well GT-77H (Figure A2.), located within approximately 2,000 feet of two irrigation wells, documents only eight to ten feet of drawdown

which is minimal relative to the effects of climatic conditions to the water levels (Water Rights, 2014a).

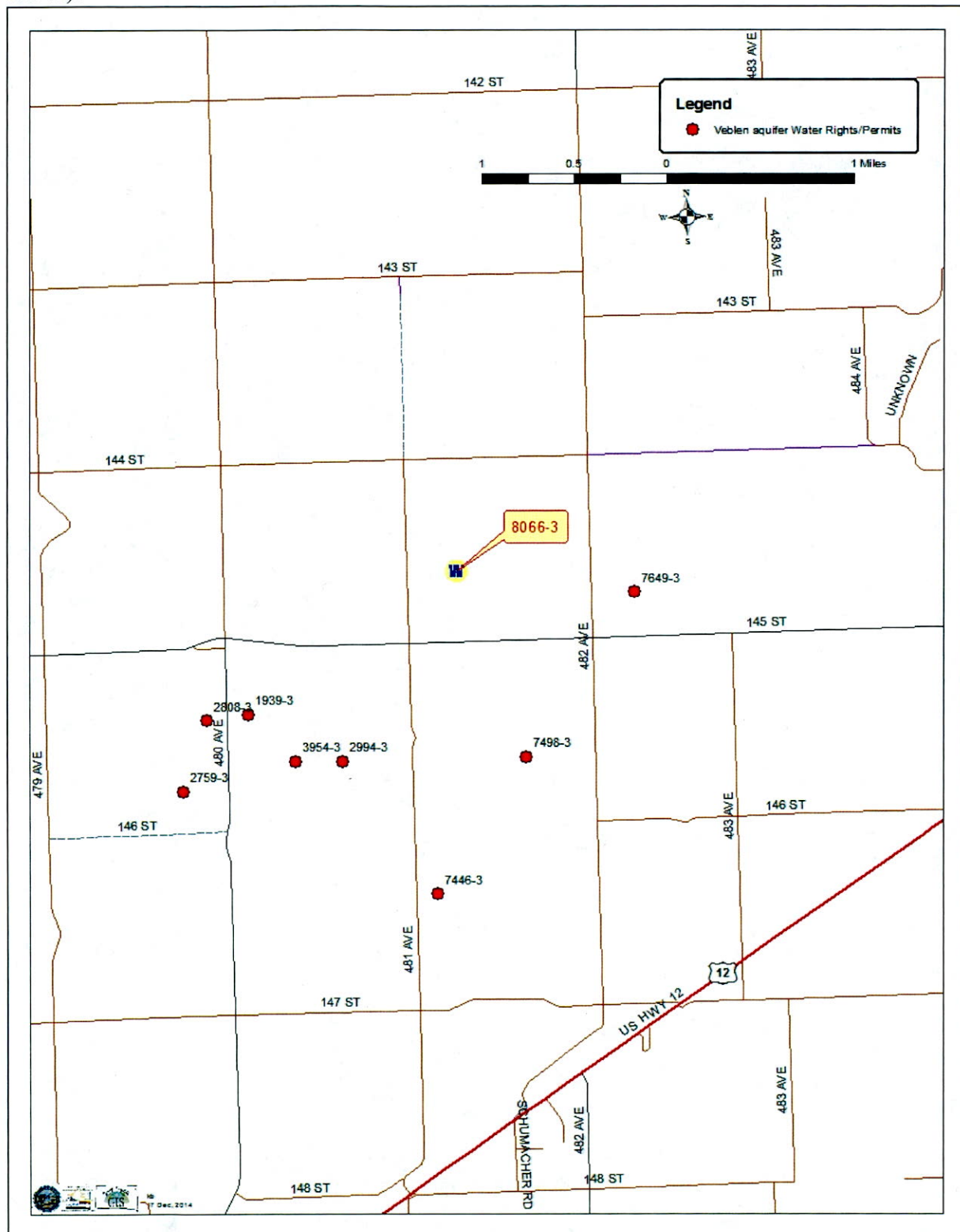


Figure 2. Map showing water rights/permits in the vicinity of the well sites proposed by Water Permit Application No. 8066-3.

A drawdown curve, estimating the pumping that would result from the withdrawals proposed by this application is shown in Figure 3. The curve was calculated by applying the Theis equation, assuming continuous pumping at 0.11 cfs for one year, using the transmissivity and storage coefficient determined by the aquifer pump test that was conducted approximately one mile east of the well sites proposed by this application.

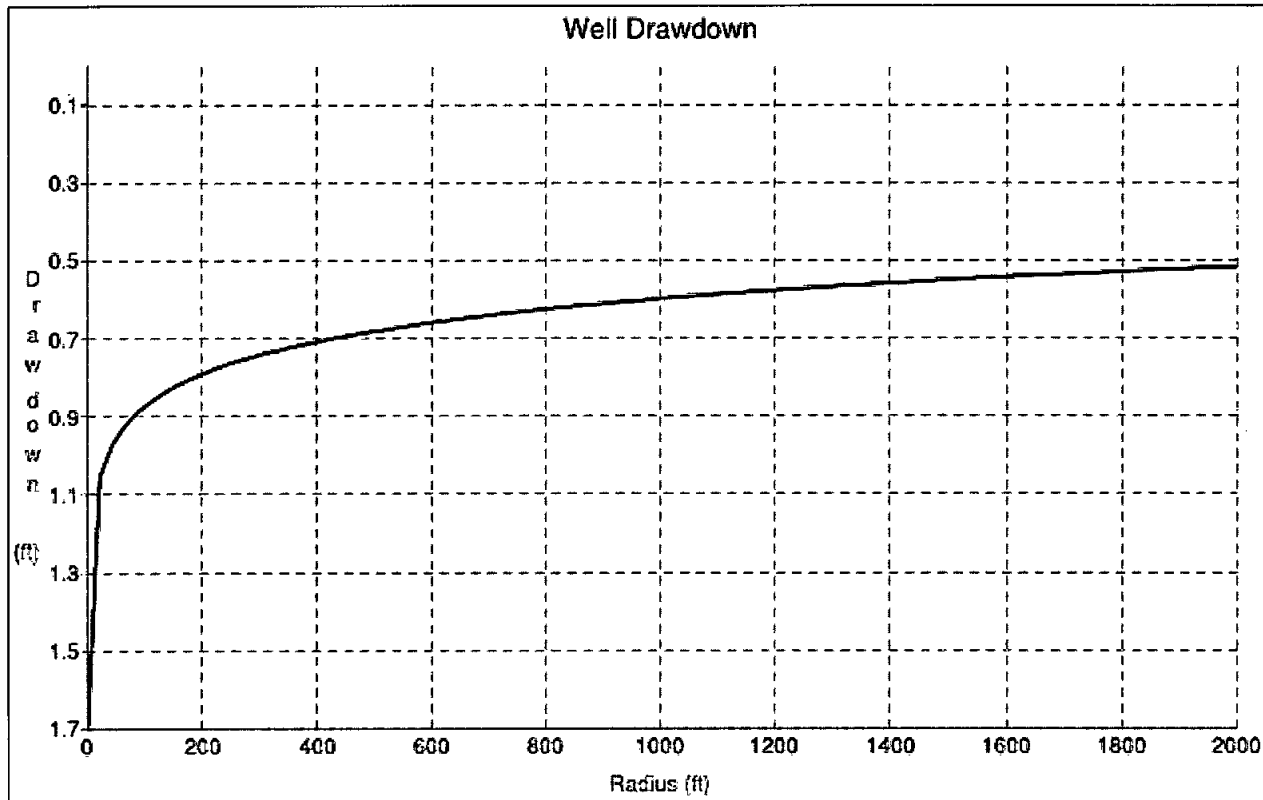


Figure 3. Drawdown curve for the pumping proposed by this application using the Theis equation. Assumptions include: $T = 96,600$ gpd/ft, $S = 0.00047$, continuous pumping rate = 0.11 cfs, pumping duration 365 days, continuously (Modified from ("Theis Equation Calculator")).

Based on the observation well data and the estimated drawdown curve for this proposed diversion, well interference is not expected to be adverse to existing users.

SDCL 46-6-6.1 does not protect artesian head pressure as a means of delivery, and the Water Management Board has consistently recognized that to place water to maximum beneficial use a certain amount of drawdown may occur. A nearby adequate well defined by ARSD 74:02:20(7), which states that the pump intake must be set 20 feet below the top of the aquifer or, if the aquifer is less than 20 feet thick, as near to the bottom of the aquifer as is practical, is not expected to be adversely or unlawfully impaired. Therefore, there is a reasonable probability that any well interference from the proposed appropriation will not adversely or unlawfully impair existing users.

CONCLUSIONS:

1. The Veblen aquifer in Grant County is a viable aquifer.
2. There is a reasonable probability that unappropriated water is available from the Veblen aquifer for this appropriation.
3. The appropriation proposed by this application will not adversely impact existing rights.



Ken Buhler
SD DENR-Water Rights

REFERENCES:

- Barr Engineering, 2007, Groundwater Supply Evaluation, Big Stone II Project, Grant County, South Dakota: Prepared for Otter Tail Power Company
- Buhler, K.A., 2007, "Report on Water Permit Application No. 6846-3, Ottertail Corporation, March 2, 2007", File No. 6846-3, SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, SD.
- Hansen, D.S. 1990, Water Resources of Codington and Grant Counties, South Dakota: U.S. Geological Survey Water-supply Paper 2254, 263 p.
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- Water Rights. 1979-2014. "Annual Irrigation Summary by Aquifer": SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, SD.

Water Rights. 2014a. Observation Well Files, SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, SD.

Water Rights. 2014b. Water Right/Permit Files, SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, SD.

Water Rights. 2014c. Water Well Completion Reports, SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, SD.

APPENDIX A

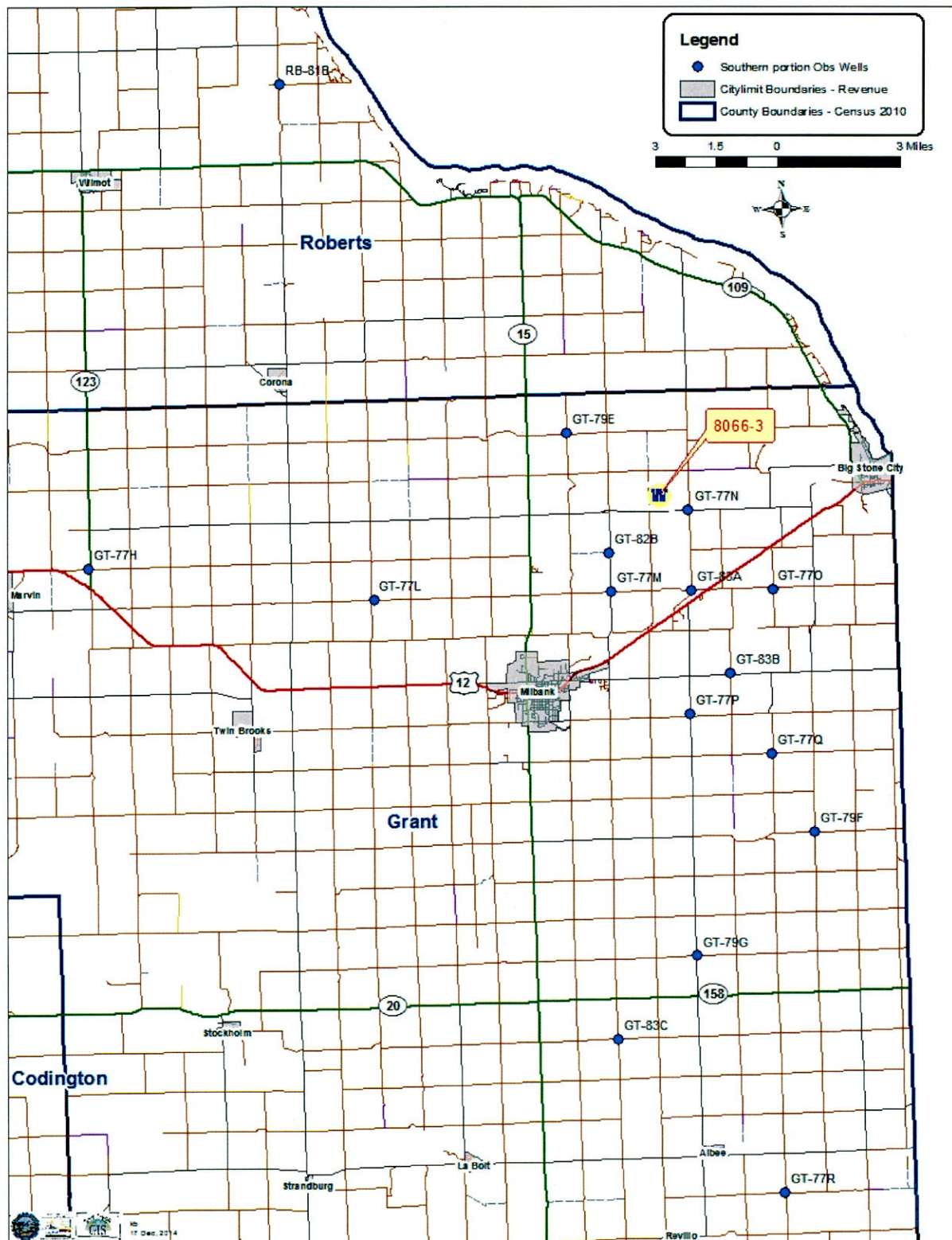


Figure A1. Map showing location of well sites proposed by Application No. 8066-3 and DENR-Water Rights' observation wells completed into the Veblen aquifer.

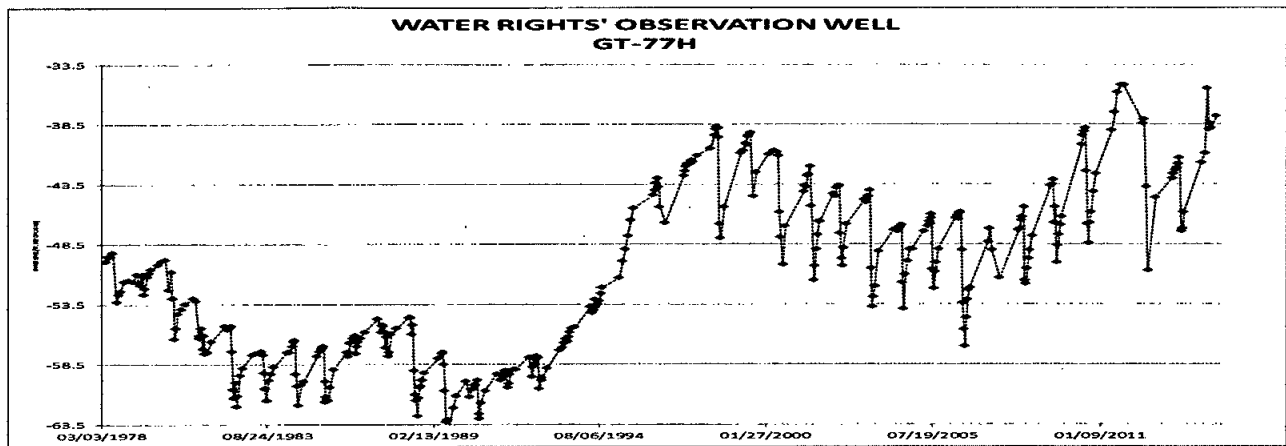


Figure A2. Hydrograph of DENR-Water Rights' observation well completed into the Veblen aquifer.

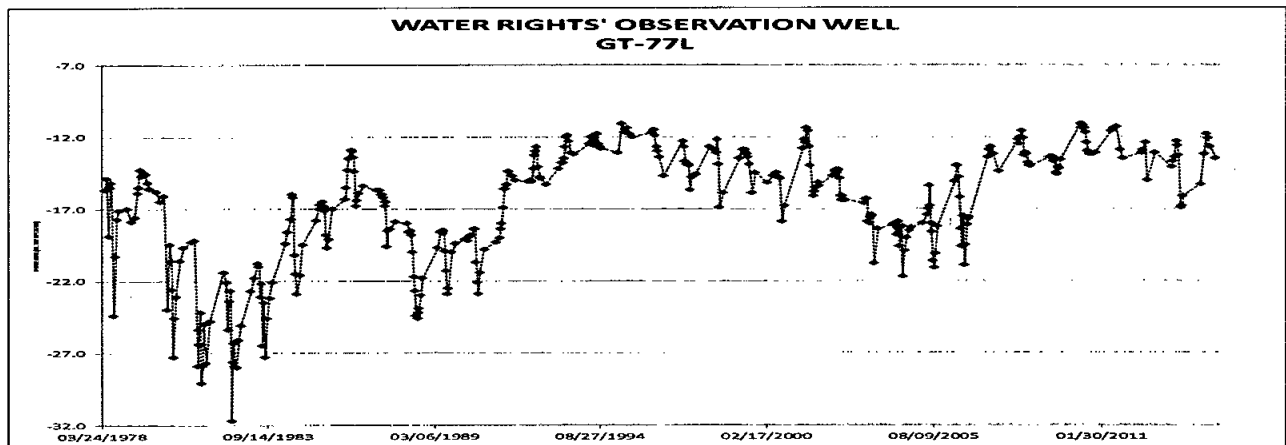


Figure A3. Hydrograph of DENR-Water Rights' observation well completed into the Veblen aquifer.

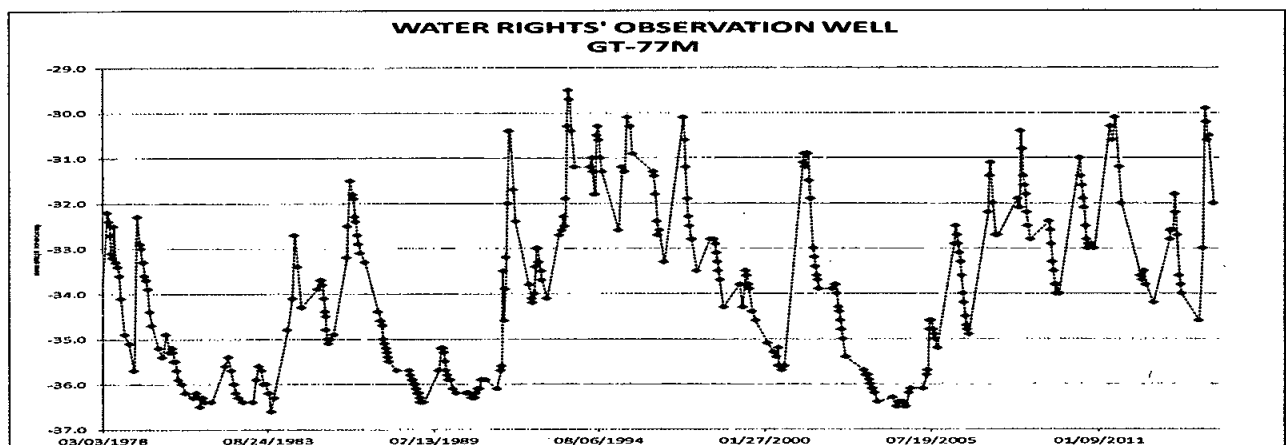


Figure A4. Hydrograph of DENR-Water Rights' observation well completed into the Veblen aquifer.

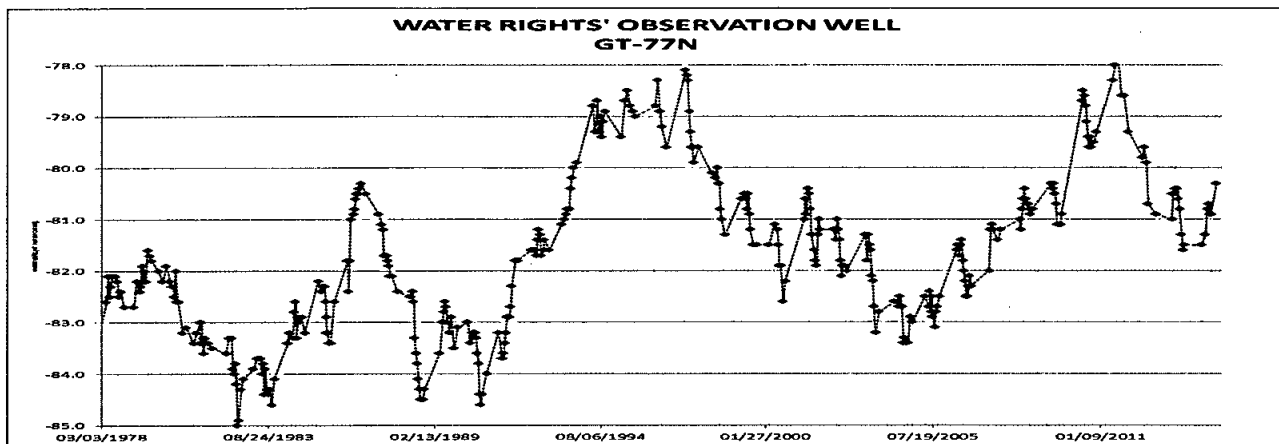


Figure A5. Hydrograph of DENR-Water Rights' observation well completed into the Veblen aquifer.

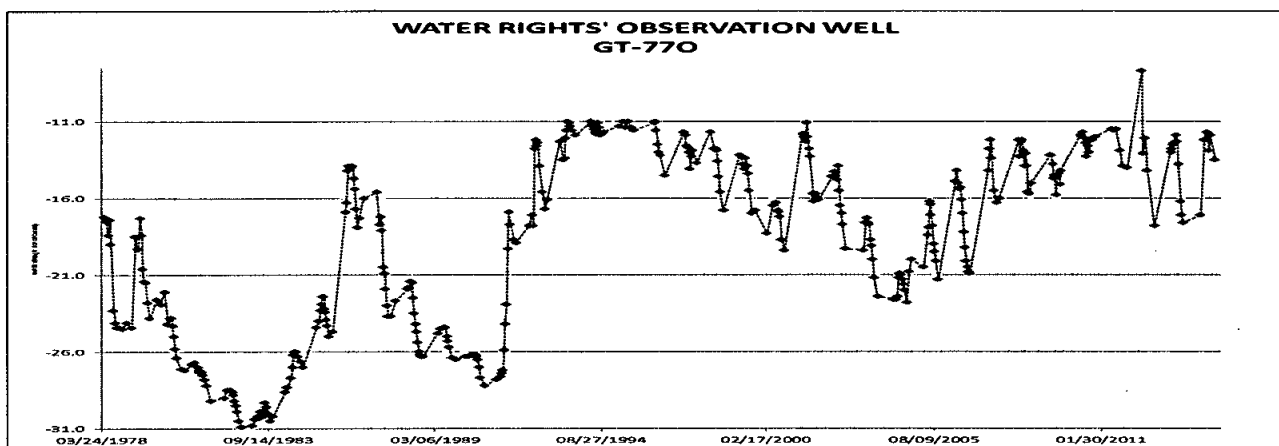


Figure A6. Hydrograph of DENR-Water Rights' observation well completed into the Veblen aquifer.

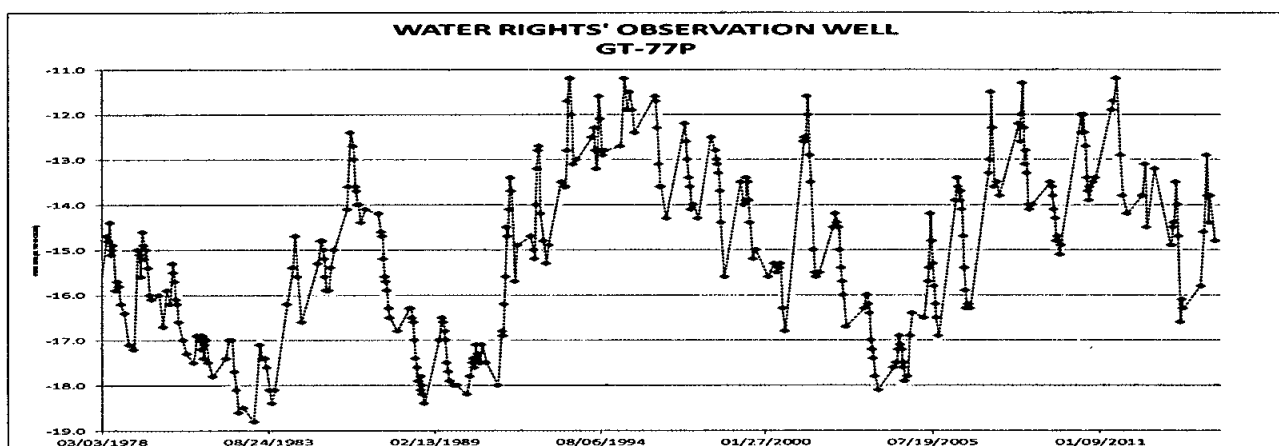


Figure A7. Hydrograph of DENR-Water Rights' observation well completed into the Veblen aquifer.

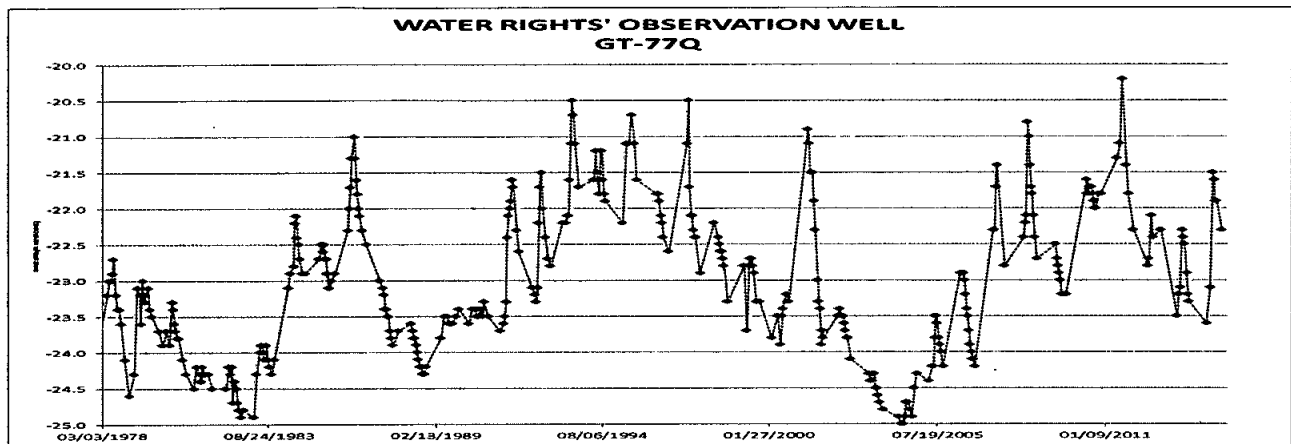


Figure A8. Hydrograph of DENR-Water Rights' observation well completed into the Veblen aquifer.

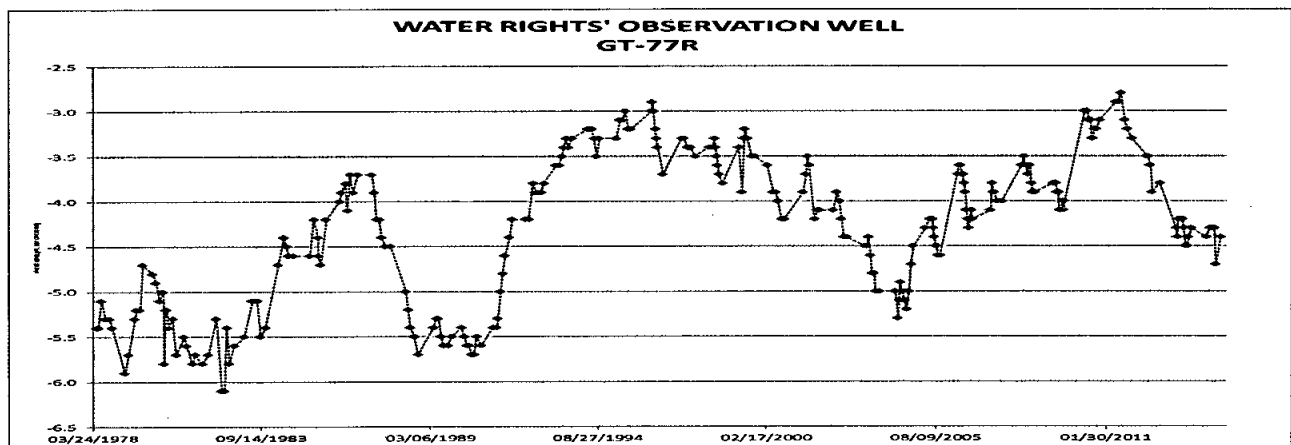


Figure A9. Hydrograph of DENR-Water Rights' observation well completed into the Veblen aquifer.

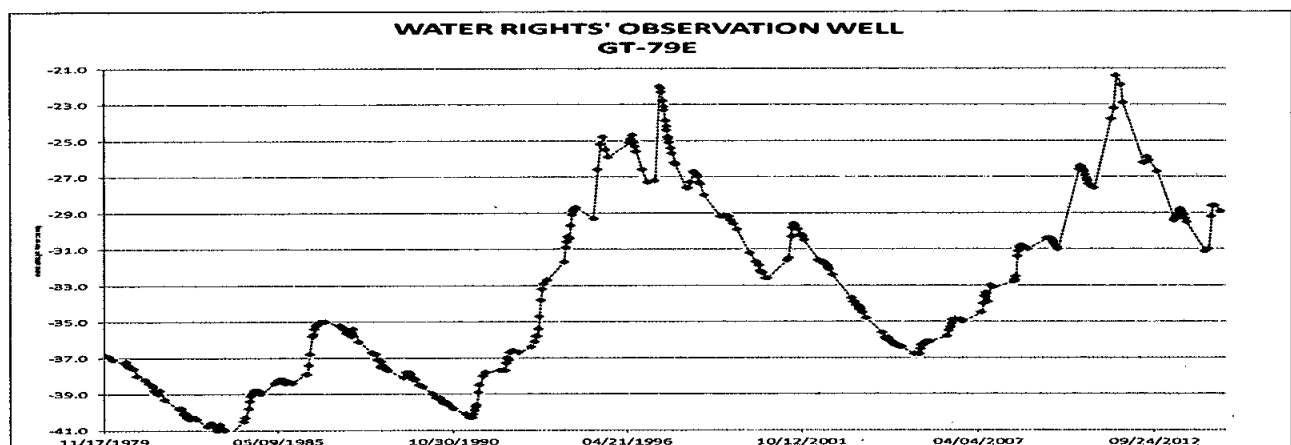


Figure A10. Hydrograph of DENR-Water Rights' observation well completed into the Veblen aquifer.

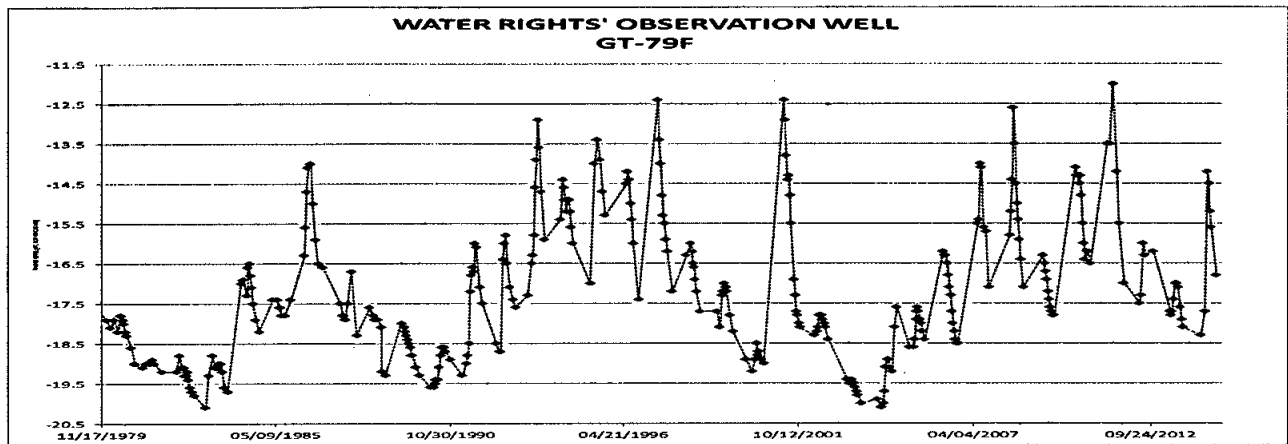


Figure A11. Hydrograph of DENR-Water Rights' observation well completed into the Veblen aquifer.

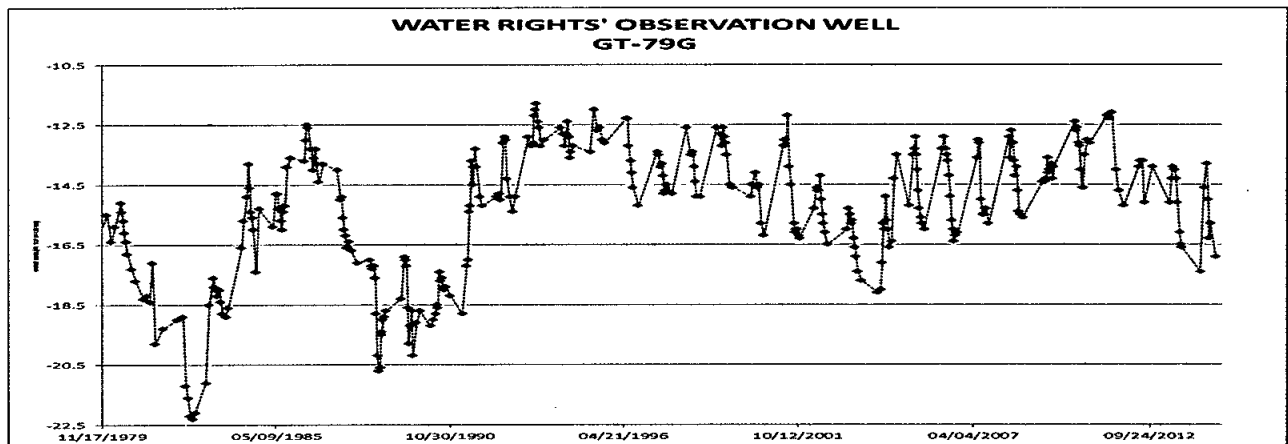


Figure A12. Hydrograph of DENR-Water Rights' observation well completed into the Veblen aquifer.

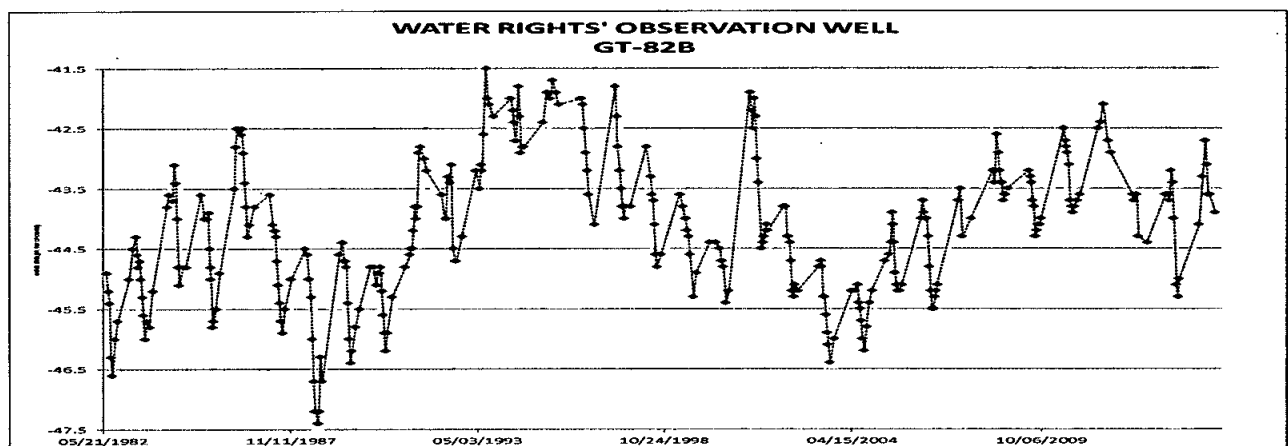


Figure A13. Hydrograph of DENR-Water Rights' observation well completed into the Veblen aquifer.

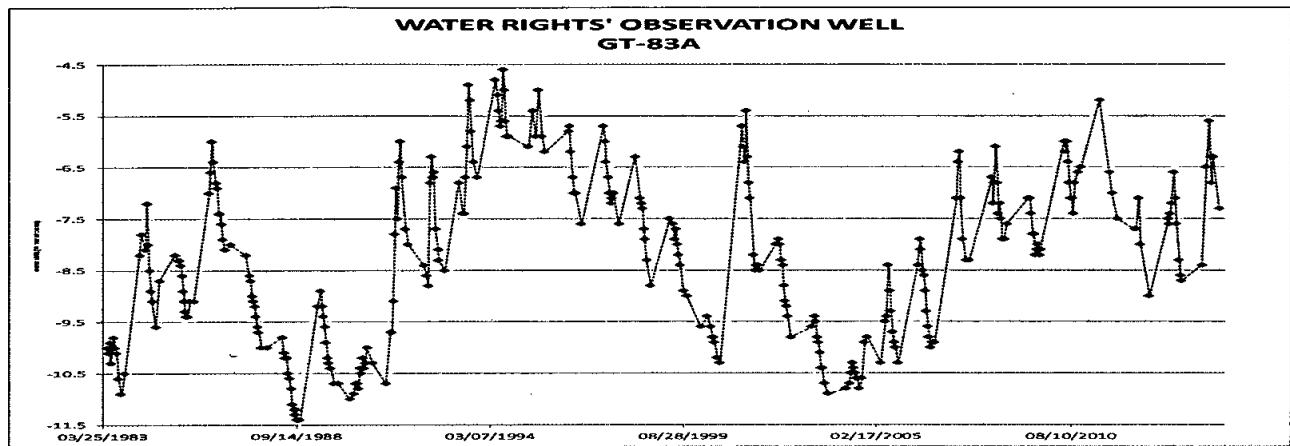


Figure A14. Hydrograph of DENR-Water Rights' observation well completed into the Veblen aquifer.

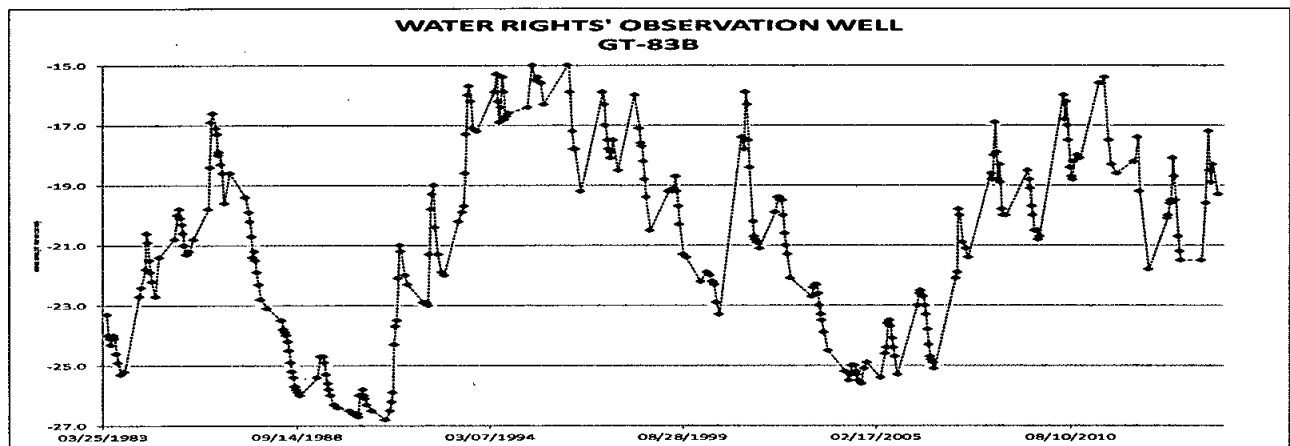


Figure A15. Hydrograph of DENR-Water Rights' observation well completed into the Veblen aquifer.

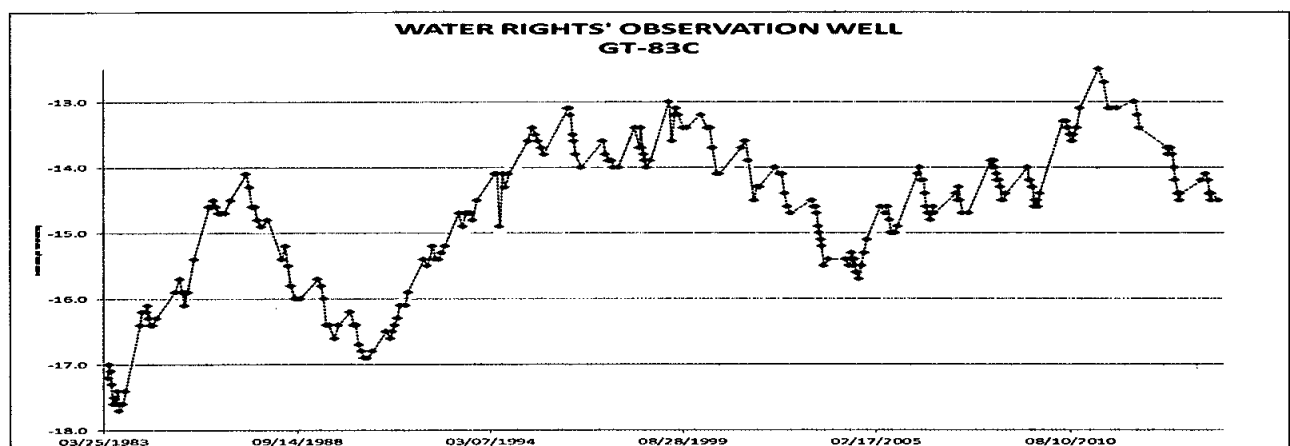


Figure A16. Hydrograph of DENR-Water Rights' observation well completed into the Veblen aquifer.

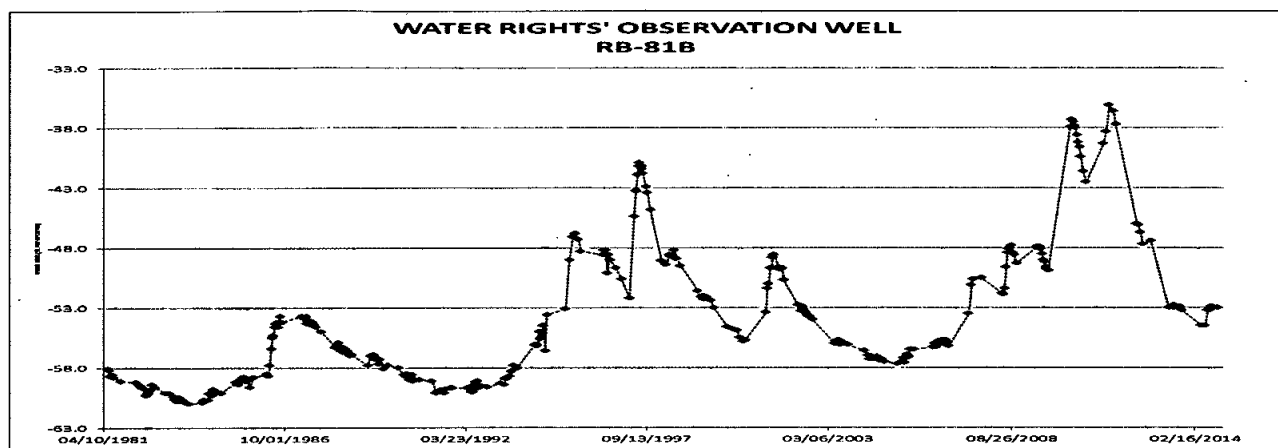


Figure A17. Hydrograph of DENR-Water Rights' observation well completed into the Veblen aquifer.



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

denr.sd.gov

AUG 04 2015

Teton LLC
Dr Barry Kerkaert
PO Box 188
Pipestone MN 56164

Dear Dr Kerkaert:

Enclosed is Water Permit No. 8066-3 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,

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

enclosures



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

denr.sd.gov

September 21, 2015

Dr. Barry Kerkaert and Dr. Luke Minion
Teton LLC
PO Box 188
Pipestone MN 56164

Dear Dr. Kerkaert and Dr. Minion:

Teton LLC holds a water right permit appropriating 50 gallons per minute (gpm) from the Veblen aquifer to supply a swine production facility in Grant County. Teton LLC also has a deferred application seeking to appropriate water from a well constructed into the Granite Wash aquifer. These applications came before the Water Management Board at their meeting on July 9, 2015.

The Board's approval of the permit for the well completed into the Veblen aquifer allows a peak diversion of 50 gpm (22.4 acre feet annually). However, the Board's action regarding the deferred application was specific in limiting Teton LLC's use of the Granite Wash well not to exceed reasonable domestic use. The recommendation states "Until a water permit is obtained for the Granite Wash well proposed in Application No. 8127-3, Teton LLC can only use this well when its use combined with the well(s) completed into the Veblen aquifer does not exceed reasonable domestic use". Reasonable domestic use is defined as the use of 25,920 gallons per day or less as necessary for domestic purposes, with a maximum pumping rate of 25 gpm.

Teton LLC submitted a well tracking form for the month of August as part of its General Water Pollution Control Permit for Concentrated Animal Feeding Operation. Initially the form showed the volume of water used from the Granite Wash exceeded reasonable domestic use on three occasions in August. It has since been clarified by Todd Van Maanen that the Veblen and Granite Wash wells were mislabeled on the initial form and a corrected form submitted. However the new form still shows that Teton LLC exceeded the reasonable domestic use limit when both wells were in use on August 15, 16, 17 and 31, 2015. Water use on those days was a violation of South Dakota water rights law.

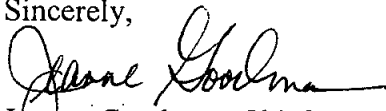
To be clear, use of the well completed into the Veblen aquifer is authorized at a peak rate of 50 gpm with an annual volume limit of 22.4 acre feet of water. Teton LLC has a permit in place that authorizes diversion from this Veblen well at a rate greater than the reasonable domestic use criteria. It is when the Granite Wash well is used solely or in combination with the Veblen well that Teton LLC is limited to reasonable domestic use. This is due to the fact a water permit is

not in place for the Granite Wash well and therefore, under water rights law use at the facility can not exceed reasonable domestic use when this well is in use.

This letter will go into the administrative record for the Water Permit No. 8066-3 (Veblen aquifer) and deferred Application No. 8127-3 (Granite Wash aquifer). As Chief Engineer, I am prepared to issue a formal order pursuant to SDCL 46-2A-18 to discontinue the use of water to which the user has no legal right if water use from the Granite Wash well continues to exceed reasonable domestic use either on its own or when its use in combination with the Veblen well exceeds reasonable domestic use. Failure to comply will result in the Water Rights Program scheduling a hearing before the Water Management Board for further enforcement action.

Please contact Eric Gronlund at (605) 773-3352 if you have questions regarding use of water from the wells.

Sincerely,

A handwritten signature in black ink, appearing to read "Jeanne Goodman", written over a horizontal line.

Jeanne Goodman, Chief Engineer
Water Rights Program, DENR

C: Todd Van Maanen

Teton, LLC Well Tracking Form

Well 1 Veblen Aquifer (Shallow 180') North		
Date	Reading	Use in Gallons
Date	Reading	Use
8/4/2015	1,143,200	
8/5/2015	1,156,300	13,100
8/6/2015	1,164,300	8,000
8/7/2015	1,182,300	18,000
8/8/2015	1,199,600	17,300
8/9/2015	1,215,300	15,700
8/10/2015	1,231,800	16,500
8/11/2015	1,242,300	10,500
8/12/2015	1,258,300	16,000
8/13/2015	1,270,000	11,700
8/14/2015	1,286,000	16,000
8/15/2015	1,308,600	22,600
8/16/2015	1,329,000	20,400
8/17/2015	1,356,000	27,000
8/18/2015	1,370,700	14,700
8/19/2015	1,382,000	11,300
8/20/2015	1,396,000	14,000
8/21/2015	1,396,000	0
8/22/2015	1,396,000	0
8/23/2015	1,396,000	0
8/24/2015	1,396,000	0
8/25/2015	1,396,000	0
8/26/2015	1,396,000	0
8/27/2015	1,400,200	4,200
8/28/2015	1,435,400	35,200
8/29/2015	1,435,400	0
8/30/2015	1,448,000	12,600
8/31/2015	1,485,600	37,600

Well 2 Granite Wash Aquifer (294' Deep)South		
8/4/2015	484,500	
8/5/2015	487,100	2,600
8/6/2015	493,500	6,400
8/7/2015	499,900	6,400
8/8/2015	507,800	7,900
8/9/2015	515,600	7,800
8/10/2015	521,700	6,100
8/11/2015	534,620	12,920
8/12/2015	542,500	7,880
8/13/2015	550,000	7,500
8/14/2015	556,000	6,000
8/15/2015	562,300	6,300
8/16/2015	569,300	7,000
8/17/2015	574,500	5,200
8/18/2015	580,200	5,700
8/19/2015	588,300	8,100
8/20/2015	594,200	5,900
8/21/2015	601,000	6,800
8/22/2015	606,870	5,870
8/23/2015	611,900	5,030
8/24/2015	622,700	10,800
8/25/2015	622,700	0
8/26/2015	622,700	0
8/27/2015	622,700	0
8/28/2015	622,700	0
8/29/2015	622,700	0
8/30/2015	622,700	0
8/31/2015	629,900	7,200

Date	Use in Gallons
8/4/2015	
8/5/2015	15,700
8/6/2015	14,400
8/7/2015	24,400
8/8/2015	25,200
8/9/2015	23,500
8/10/2015	22,600
8/11/2015	23,420
8/12/2015	23,880
8/13/2015	19,200
8/14/2015	22,000
8/15/2015	28,900
8/16/2015	27,400
8/17/2015	32,200
8/18/2015	20,400
8/19/2015	19,400
8/20/2015	19,900
8/21/2015	6,800
8/22/2015	5,870
8/23/2015	5,030
8/24/2015	10,800
8/25/2015	0
8/26/2015	0
8/27/2015	4,200
8/28/2015	35,200
8/29/2015	0
8/30/2015	12,600
8/31/2015	44,800

	Monthly Total	342,400

	Monthly Total	145,400

Monthly Total	487,800
---------------	---------

Initial
Original table (updated)

Teton, LLC Well Tracking Form

Well 1 Veblen Aquifer (Shallow 180') North

Date	Reading	Use in Gallons
08/04/2015	484,500	
08/05/2015	487,100	2,600
08/06/2015	493,500	6,400
08/07/2015	499,900	6,400
08/08/2015	507,800	7,900
08/09/2015	515,600	7,800
08/10/2015	521,700	6,100
08/11/2015	534,620	12,920
08/12/2015	542,500	7,880
08/13/2015	550,000	7,500
08/14/2015	556,000	6,000
08/15/2015	562,300	6,300
08/16/2015	569,300	7,000
08/17/2015	574,500	5,200
08/18/2015	580,200	5,700
08/19/2015	588,300	8,100
08/20/2015	594,200	5,900
08/21/2015	601,000	6,800
08/22/2015	606,870	5,870
08/23/2015	611,900	5,030
08/24/2015	622,700	10,800
08/25/2015	622,700	0
08/26/2015	622,700	0
08/27/2015	622,700	0
08/28/2015	622,700	0
08/29/2015	622,700	0
08/30/2015	622,700	0
08/31/2015	629,900	7,200

Well 2 Granite Wash Aquifer (294' Deep) South

Date	Reading	Use
08/04/2015	1,143,200	
08/05/2015	1,156,300	13,100
08/06/2015	1,164,300	8,000
08/07/2015	1,182,300	18,000
08/08/2015	1,199,600	17,300
08/09/2015	1,215,300	15,700
08/10/2015	1,231,800	16,500
08/11/2015	1,242,300	10,500
08/12/2015	1,258,300	16,000
08/13/2015	1,270,000	11,700
08/14/2015	1,286,000	16,000
08/15/2015	1,308,600	22,600
08/16/2015	1,329,000	20,400
08/17/2015	1,356,000	27,000
08/18/2015	1,370,700	14,700
08/19/2015	1,382,000	11,300
08/20/2015	1,396,000	14,000
08/21/2015	1,396,000	0
08/22/2015	1,396,000	0
08/23/2015	1,396,000	0
08/24/2015	1,396,000	0
08/25/2015	1,396,000	0
08/26/2015	1,396,000	0
08/27/2015	1,400,200	4,200
08/28/2015	1,435,400	35,200
08/29/2015	1,435,400	0
08/30/2015	1,448,000	12,600
08/31/2015	1,485,600	37,600

Date	Use in Gallons
#####	
#####	15,700
#####	14,400
#####	24,400
#####	25,200
#####	23,500
#####	22,600
#####	23,420
#####	23,880
#####	19,200
#####	22,000
#####	28,900
#####	27,400
#####	32,200
#####	20,400
#####	19,400
#####	19,900
#####	6,800
#####	5,870
#####	5,030
#####	10,800
#####	0
#####	0
#####	4,200
#####	35,200
#####	0
#####	12,600
#####	44,800
Monthly Total	487,800

PIPESTONE[®]1300 South Highway 75
PO Box 188
Pipestone, MN 56164

September 18, 2015

South Dakota Department of
Environment and Natural Resources
Attn: Eric Gronlund
523 East Capital
Pierre, SD 57501

Re: Teton, LLC Water Permit Update

Dear Mr. Gronlund:

Please accept this correspondence on behalf of Teton, LLC ("Teton") regarding its immediate intentions regarding water usage under the Water Rights Permit previously issued. Effective immediately, Teton will cease extraction of water from the current well located on the Granite Wash Aquifer. Thereafter, Teton will dismantle the Granite Wash Well appropriately and only utilize its current well located within the Veblen Aquifer going forward. Teton will also deploy a second well within the Veblen Aquifer upon the availability of the well contractor. However, any subsequent water usage from the Veblen Aquifer well(s) will be in accordance with the previous water rights permit issued.

I thank you for your attention to this matter. Please feel free to contact me with any questions or concerns.

Sincerely,

Sean R. Simpson
Vice President & General Counsel
507-825-7174

Gronlund, Eric

From: Marty Rost <mrost@pipevet.com>
Sent: Tuesday, October 06, 2015 3:26 PM
To: Gronlund, Eric
Cc: Sean Simpson; Krein, Darold
Subject: Teton LLC, sept water use from veblen
Attachments: Teton Well tracking Sept 2015.xlsx

Eric
Attached is the well tracking log for Teton, LLC. As you can see, we stopped using the well in the deep, Granit Wash Aquifer, mid-September. That should correlate to the letter you received from Sean Simpson. We are in the process of drilling another well into the Veblen as we speak and abandoning the Deep, Granit Wash well.

Let me know if you have any questions.

Marty Rost
Pipestone Veterinary Services
1300 South Highway 75
Pipestone, MN 56164
Office: 507.825.7029
Cell: 507.215.0482
mrost@pipevet.com
www.pipevet.com

PIPESTONE

Well 1 Granite Wash Aquifer (294' Deep) South		
Date	Reading	Use in Gallons
09/01/2015	631,000	
09/02/2015	642,800	11,800
09/03/2015	649,300	6,500
09/04/2015	656,600	7,300
09/05/2015	656,600	0
09/06/2015	665,410	8,810
09/07/2015	667,400	1,990
09/08/2015	671,200	3,800
09/09/2015	672,900	1,700
09/10/2015	673,200	300
09/11/2015	674,400	1,200
09/12/2015	679,100	4,700
09/13/2015	679,100	0
09/14/2015	681,300	2,200
09/15/2015	687,200	5,900
09/16/2015	694,200	7,000
09/17/2015	694,200	0
09/18/2015	694,200	0
09/19/2015	694,200	0
09/20/2015	694,200	0
09/21/2015	694,200	0
09/22/2015	694,200	0
09/23/2015	694,200	0
09/24/2015	694,200	0
09/25/2015	694,200	0
09/26/2015	694,200	0
09/27/2015	694,200	0
09/28/2015	694,200	0
09/29/2015	694,200	0
09/30/2015	694,200	0

Teton, LLC Well Tracking Form

Well 2 Veblen Aquifer (Shallow 180') North		
Date	Reading	Use
09/01/2015	1,489,100	
09/02/2015	1,528,000	38,900
09/03/2015	1,549,400	21,400
09/04/2015	1,575,600	26,200
09/05/2015	1,605,600	30,000
09/06/2015	1,625,600	20,000
09/07/2015	1,636,000	10,400
09/08/2015	1,649,000	13,000
09/09/2015	1,662,900	13,900
09/10/2015	1,673,300	10,400
09/11/2015	1,685,000	11,700
09/12/2015	1,705,200	20,200
09/13/2015	1,720,300	15,100
09/14/2015	1,735,100	14,800
09/15/2015	1,754,800	19,700
09/16/2015	1,779,500	24,700
09/17/2015	1,802,400	22,900
09/18/2015	1,819,400	17,000
09/19/2015	1,849,400	30,000
09/20/2015	1,872,300	22,900
09/21/2015	1,890,700	18,400
09/22/2015	1,926,500	35,800
09/23/2015	1,952,900	26,400
09/24/2015	1,974,100	21,200
09/25/2015	1,996,400	22,300
09/26/2015	2,016,000	19,600
09/27/2015	2,049,300	33,300
09/28/2015	2,078,000	28,700
09/29/2015	2,103,700	25,700
09/30/2015	2,127,300	23,600

Date	Use in Gallons
09/01/2015	
09/02/2015	50,700
09/03/2015	27,900
09/04/2015	33,500
09/05/2015	30,000
09/06/2015	28,810
09/07/2015	12,390
09/08/2015	16,800
09/09/2015	15,600
09/10/2015	10,700
09/11/2015	12,900
09/12/2015	24,900
09/13/2015	15,100
09/14/2015	17,000
09/15/2015	25,600
09/16/2015	31,700
09/17/2015	22,900
09/18/2015	17,000
09/19/2015	30,000
09/20/2015	22,900
09/21/2015	18,400
09/22/2015	35,800
09/23/2015	26,400
09/24/2015	21,200
09/25/2015	22,300
09/26/2015	19,600
09/27/2015	33,300
09/28/2015	28,700
09/29/2015	25,700
09/30/2015	23,600
Monthly Total	650,700

Teton, LLC Well Tracking Form

South Well - Well #1 Veblen Aquifer (original well)		
Date	Reading	Use in Gallons
10/01/2015	2,153,600	
10/02/2015	2,176,500	22,900
10/03/2015	2,196,500	20,000
10/04/2015	2,196,500	0
10/05/2015	2,238,200	41,700
10/06/2015	2,261,800	23,600
10/07/2015	2,284,400	22,600
10/08/2015	2,307,200	22,800
10/09/2015	2,333,000	25,800
10/10/2015	2,359,400	26,400
10/11/2015	2,381,100	21,700
10/12/2015	2,397,500	16,400
10/13/2015	2,425,400	27,900
10/14/2015	2,438,100	12,700
10/15/2015	2,446,600	8,500
10/16/2015	2,489,900	43,300
10/17/2015	2,499,000	9,100
10/18/2015	2,520,000	21,000
10/19/2015	2,554,800	34,800
10/20/2015	2,572,300	17,500
10/21/2015	2,596,800	24,500
10/22/2015	2,620,700	23,900
10/23/2015	2,634,700	14,000
10/24/2015	2,654,700	20,000
10/25/2015	2,659,300	4,600
10/26/2015	2,705,300	46,000
10/27/2015	2,729,100	23,800
10/28/2015	2,750,500	21,400
10/29/2015	2,772,000	21,500
10/30/2015	2,790,800	18,800
10/31/2015	2,809,300	18,500

North Well - Well #2 Veblen Aquifer (newest We		
Date	Reading	Use
10/01/2015	694,200	
10/02/2015	694,200	0
10/03/2015	694,200	0
10/04/2015	694,200	0
10/05/2015	694,200	0
10/06/2015	694,200	0
10/07/2015	694,200	0
10/08/2015	694,200	0
10/09/2015	694,200	0
10/10/2015	694,200	0
10/11/2015	694,200	0
10/12/2015	694,200	0
10/13/2015	694,200	0
10/14/2015	694,200	0
10/15/2015	694,200	0
10/16/2015	694,200	0
10/17/2015	694,200	0
10/18/2015	694,200	0
10/19/2015	694,200	0
10/20/2015	694,200	0
10/21/2015	694,200	0
10/22/2015	694,200	0
10/23/2015	694,200	0
10/24/2015	694,200	0
10/25/2015	694,200	0
10/26/2015	694,200	0
10/27/2015	694,200	0
10/28/2015	694,200	0
10/29/2015	694,200	0
10/30/2015	694,200	0
10/31/2015	694,200	0

Date	Use in Gallons
08/04/2015	
08/05/2015	22,900
08/06/2015	20,000
08/07/2015	0
08/08/2015	41,700
08/09/2015	23,600
08/10/2015	22,600
08/11/2015	22,800
08/12/2015	25,800
08/13/2015	26,400
08/14/2015	21,700
08/15/2015	16,400
08/16/2015	27,900
08/17/2015	12,700
08/18/2015	8,500
08/19/2015	43,300
08/20/2015	9,100
08/21/2015	21,000
08/22/2015	34,800
08/23/2015	17,500
08/24/2015	24,500
08/25/2015	23,900
08/26/2015	14,000
08/27/2015	20,000
08/28/2015	4,600
08/29/2015	46,000
08/30/2015	23,800
08/31/2015	21,400
Monthly Total	596,900

Teton, LLC Well Tracking Form

South Well - Well #1 Veblen Aquifer (orginal well)		
Date	Reading	Use in Gallons
11/01/2015	2,865,500	
11/02/2015	2,869,500	4,000
11/03/2015	2,881,000	11,500
11/04/2015	2,921,200	40,200
11/05/2015	2,936,500	15,300
11/06/2015	2,949,600	13,100
11/07/2015	2,976,500	26,900
11/08/2015	3,026,200	49,700
11/09/2015	3,026,700	500
11/10/2015	3,037,000	10,300
11/11/2015	3,059,500	22,500
11/12/2015	3,065,600	6,100
11/13/2015	3,084,800	19,200
11/14/2015	3,100,500	15,700
11/15/2015	3,114,400	13,900
11/16/2015	3,126,700	12,300
11/17/2015	3,136,500	9,800
11/18/2015	3,145,600	9,100
11/19/2015	3,155,800	10,200
11/20/2015	3,184,600	28,800
11/21/2015	3,192,700	8,100
11/22/2015	3,202,100	9,400
11/23/2015	3,224,600	22,500
11/24/2015	3,239,700	15,100
11/25/2015	3,253,900	14,200
11/26/2015	3,264,900	11,000
11/27/2015	3,277,900	13,000
11/28/2015	3,305,000	27,100
11/29/2015	3,314,000	9,000
11/30/2015	3,325,000	11,000
		-3,325,000

North Well - Well #2 Veblen Aquifer (newest We		
Date	Reading	Use
11/01/2015	694,200	
11/02/2015	694,200	0
11/03/2015	694,200	0
11/04/2015	694,200	0
11/05/2015	694,200	0
11/06/2015	694,200	0
11/07/2015	694,200	0
11/08/2015	694,200	0
11/09/2015	694,200	0
11/10/2015	694,200	0
11/11/2015	701,300	7,100
11/12/2015	710,500	9,200
11/13/2015	720,900	10,400
11/14/2015	731,100	10,200
11/15/2015	740,200	9,100
11/16/2015	748,100	7,900
11/17/2015	756,000	7,900
11/18/2015	764,000	8,000
11/19/2015	771,800	7,800
11/20/2015	785,700	13,900
11/21/2015	792,600	6,900
11/22/2015	805,500	12,900
11/23/2015	811,500	6,000
11/24/2015	821,200	9,700
11/25/2015	830,300	9,100
11/26/2015	839,300	9,000
11/27/2015	845,600	6,300
11/28/2015	861,600	16,000
11/29/2015	866,700	5,100
11/30/2015	875,700	9,000
		875,700

Date	Use in Gallons
08/04/2015	
08/05/2015	4,000
08/06/2015	11,500
08/07/2015	40,200
08/08/2015	15,300
08/09/2015	13,100
08/10/2015	26,900
08/11/2015	49,700
08/12/2015	500
08/13/2015	10,300
08/14/2015	29,600
08/15/2015	15,300
08/16/2015	29,600
08/17/2015	25,900
08/18/2015	23,000
08/19/2015	20,200
08/20/2015	17,700
08/21/2015	17,100
08/22/2015	18,000
08/23/2015	42,700
08/24/2015	15,000
08/25/2015	22,300
08/26/2015	28,500
08/27/2015	24,800
08/28/2015	23,300
08/29/2015	20,000
08/30/2015	19,300
08/31/2015	43,100
Monthly Total	606,900

Thunder Ridge, LLC Well Tracking Form

East Well		
Date	Reading	Use in Gallons
11/30/2015	625,300	
12/01/2015	633,100	7,800
12/02/2015	637,500	4,400
12/03/2015	642,100	4,600
12/04/2015	652,400	10,300
12/05/2015	658,000	5,600
12/06/2015	667,400	9,400
12/07/2015	678,400	11,000
12/08/2015	689,400	11,000
12/09/2015	698,400	9,000
12/10/2015	706,000	7,600
12/11/2015	715,100	9,100
12/12/2015	722,400	7,300
12/13/2015	729,600	7,200
12/14/2015	736,700	7,100
12/15/2015	744,100	7,400
12/16/2015	752,100	8,000
12/17/2015	758,300	6,200
12/18/2015	766,100	7,800
12/19/2015	775,500	9,400
12/20/2015	784,200	8,700
12/21/2015	792,400	8,200
12/22/2015	801,500	9,100
12/23/2015	807,300	5,800
12/24/2015	815,100	7,800
12/25/2015	822,200	7,100
12/26/2015	829,600	7,400
12/27/2015	837,600	8,000
12/28/2015	846,300	8,700
12/29/2015	853,500	7,200
12/30/2015	861,400	7,900
12/31/2015	870,800	9,400

West Well		
Date	Reading	Use
11/30/2015	1,071,300	
12/01/2015	1,080,200	8,900
12/02/2015	1,088,800	8,600
12/03/2015	1,097,200	8,400
12/04/2015	1,106,500	9,300
12/05/2015	1,116,700	10,200
12/06/2015	1,131,600	14,900
12/07/2015	1,138,400	6,800
12/08/2015	1,144,100	5,700
12/09/2015	1,152,400	8,300
12/10/2015	1,164,000	11,600
12/11/2015	1,177,500	13,500
12/12/2015	1,194,400	16,900
12/13/2015	1,210,400	16,000
12/14/2015	1,227,300	16,900
12/15/2015	1,242,600	15,300
12/16/2015	1,254,800	12,200
12/17/2015	1,266,300	11,500
12/18/2015	1,277,400	11,100
12/19/2015	1,288,600	11,200
12/20/2015	1,299,300	10,700
12/21/2015	1,310,100	10,800
12/22/2015	1,320,800	10,700
12/23/2015	1,329,800	9,000
12/24/2015	1,340,300	10,500
12/25/2015	1,350,600	10,300
12/26/2015	1,359,600	9,000
12/27/2015	1,366,900	7,300
12/28/2015	1,376,000	9,100
12/29/2015	1,385,200	9,200
12/30/2015	1,396,400	11,200
12/31/2015	1,406,800	10,400

Date	Use in Gallons
11/30/2015	0
12/01/2015	16,700
12/02/2015	13,000
12/03/2015	13,000
12/04/2015	19,600
12/05/2015	15,800
12/06/2015	24,300
12/07/2015	17,800
12/08/2015	16,700
12/09/2015	17,300
12/10/2015	19,200
12/11/2015	22,600
12/12/2015	24,200
12/13/2015	23,200
12/14/2015	24,000
12/15/2015	22,700
12/16/2015	20,200
12/17/2015	17,700
12/18/2015	18,900
12/19/2015	20,600
12/20/2015	19,400
12/21/2015	19,000
12/22/2015	19,800
12/23/2015	14,800
12/24/2015	18,300
12/25/2015	17,400
12/26/2015	16,400
12/27/2015	15,300
12/28/2015	17,800
12/29/2015	16,400
12/30/2015	19,100
12/31/2015	19,800

Monthly Total

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JAN - 5 2016

WATER RIGHTS
PROGRAM

Teton, LLC Well Tracking Form

South Well - Well #1 Veblen Aquifer (orginal well)		
Date	Reading	Use in Gallons
01/01/2016	3,825,100	
01/02/2016	3,833,100	8,000
01/03/2016	3,842,300	9,200
01/04/2016	3,858,400	16,100
01/05/2016	3,862,300	3,900
01/06/2016	3,889,200	26,900
01/07/2016	3,906,800	17,600
01/08/2016	3,922,800	16,000
01/09/2016	3,935,800	13,000
01/10/2016	3,945,600	9,800
01/11/2016	3,965,400	19,800
01/12/2016	3,974,600	9,200
01/13/2016	3,988,300	13,700
01/14/2016	3,994,600	6,300
01/15/2016	4,029,800	35,200
01/16/2016	4,039,800	10,000
01/17/2016	4,052,300	12,500
01/18/2016	4,070,900	18,600
01/19/2016	4,085,200	14,300
01/20/2016	4,099,300	14,100
01/21/2016	4,118,400	19,100
01/22/2016	4,129,200	10,800
01/23/2016	4,138,600	9,400
01/24/2016	4,155,600	17,000
01/25/2016	4,173,400	17,800
01/26/2016	4,191,300	17,900
01/27/2016	4,205,200	13,900
01/28/2016	4,219,100	13,900
01/29/2016	4,235,100	16,000
01/30/2016	4,249,600	14,500
01/31/2016	4,266,300	16,700

North Well - Well #2 Veblen Aquifer (newest We		
Date	Reading	Use
01/01/2016	1,192,600	
01/02/2016	1,200,400	7,800
01/03/2016	1,209,300	8,900
01/04/2016	1,215,200	5,900
01/05/2016	1,221,200	6,000
01/06/2016	1,234,900	13,700
01/07/2016	1,246,100	11,200
01/08/2016	1,256,300	10,200
01/09/2016	1,266,300	10,000
01/10/2016	1,274,300	8,000
01/11/2016	1,283,500	9,200
01/12/2016	1,297,400	13,900
01/13/2016	1,307,300	9,900
01/14/2016	1,314,600	7,300
01/15/2016	1,324,900	10,300
01/16/2016	1,329,900	5,000
01/17/2016	1,340,300	10,400
01/18/2016	1,351,200	10,900
01/19/2016	1,360,500	9,300
01/20/2016	1,371,600	11,100
01/21/2016	1,382,700	11,100
01/22/2016	1,388,900	6,200
01/23/2016	1,396,100	7,200
01/24/2016	1,405,600	9,500
01/25/2016	1,417,100	11,500
01/26/2016	1,424,300	7,200
01/27/2016	1,431,600	7,300
01/28/2016	1,445,700	14,100
01/29/2016	1,456,800	11,100
01/30/2016	1,463,800	7,000
01/31/2016	1,475,600	11,800

Date Use in Gallons

15,800
18,100
22,000
9,900
40,600
28,800
26,200
23,000
17,800
29,000
23,100
23,600
13,600
45,500
15,000
22,900
29,500
23,600
25,200
30,200
17,000
16,600
26,500
29,300
25,100
21,200
28,000
27,100
21,500
28,500
724,200

Teton, LLC Well Tracking Form

South Well - Well #1 Veblen Aquifer (orginal well)		
Date	Reading	Use in Gallons
02/01/2016	4,280,600	
02/02/2016	4,296,600	16,000
02/03/2016	4,301,500	4,900
02/04/2016	4,327,200	25,700
02/05/2016	4,340,600	13,400
02/06/2016	4,362,200	21,600
02/07/2016	4,381,750	19,550
02/08/2016	4,383,000	1,250
02/09/2016	4,399,900	16,900
02/10/2016	4,417,900	18,000
02/11/2016	4,429,800	11,900
02/12/2016	4,441,900	12,100
02/13/2016	4,453,867	11,967
02/14/2016	4,468,253	14,387
02/15/2016	4,481,500	13,247
02/16/2016	4,497,600	16,100
02/17/2016	4,508,000	10,400
02/18/2016	4,522,200	14,200
02/19/2016	4,530,300	8,100
02/20/2016	4,539,000	8,700
02/21/2016	4,541,800	2,800
02/22/2016	4,549,000	7,200
02/23/2016	4,603,400	54,400
02/24/2016	4,623,800	20,400
02/25/2016	4,639,400	15,600
02/26/2016	4,653,200	13,800
02/27/2016	4,671,100	17,900
02/28/2016	4,682,300	11,200
02/29/2016	4,699,100	16,800
		-4,699,100
		0

North Well - Well #2 Veblen Aquifer (newest We		
Date	Reading	Use
02/01/2016	1,485,800	
02/02/2016	1,496,200	10,400
02/03/2016	1,507,100	10,900
02/04/2016	1,515,700	8,600
02/05/2016	1,524,300	8,600
02/06/2016	1,530,300	6,000
02/07/2016	1,542,100	11,800
02/08/2016	1,551,400	9,300
02/09/2016	1,562,300	10,900
02/10/2016	1,573,800	11,500
02/11/2016	1,586,700	12,900
02/12/2016	1,593,600	6,900
02/13/2016	1,604,500	10,900
02/14/2016	1,618,400	13,900
02/15/2016	1,624,300	5,900
02/16/2016	1,633,100	8,800
02/17/2016	1,644,100	11,000
02/18/2016	1,649,000	4,900
02/19/2016	1,658,900	9,900
02/20/2016	1,665,800	6,900
02/21/2016	1,674,100	8,300
02/22/2016	1,687,000	12,900
02/23/2016	1,692,500	5,500
02/24/2016	1,705,500	13,000
02/25/2016	1,715,600	10,100
02/26/2016	1,724,400	8,800
02/27/2016	1,733,600	9,200
02/28/2016	1,742,900	9,300
02/29/2016	1,753,700	10,800
		-1,753,700
		0

Date	Use in Gallons
#####	
#####	26,400
#####	15,800
#####	34,300
#####	22,000
#####	27,600
#####	31,350
#####	10,550
#####	27,800
#####	29,500
#####	24,800
#####	19,000
#####	22,867
#####	28,287
#####	19,147
#####	24,900
#####	21,400
#####	19,100
#####	18,000
#####	15,600
#####	11,100
#####	20,100
#####	59,900
#####	33,400
#####	25,700
#####	22,600
#####	27,100
#####	20,500
Monthly Total	658,800

8066-3
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MAR 21 2016

WATER RIGHTS
PROGRAMNOTICE OF COMPLETION OF WORKS AND
APPLICATION OF WATER TO BENEFICIAL USE

Date

3/17/16

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

FROM:

Teton LLC

(name)

P.O. Box 188

(address)

Pipestone MN 56164

(city, state, zip)

507 825 4211

(phone)

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

Water Permit No. 8066-3 states that the water use system is to be constructed by

7/9/2020

(date)

, and water is to be put to beneficial use by

7/9/2024

(date)

The water use system was completed on

10/1/15

(date)

Applying the water to beneficial use was completed on

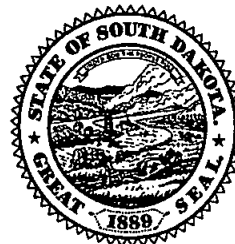
10/1/15

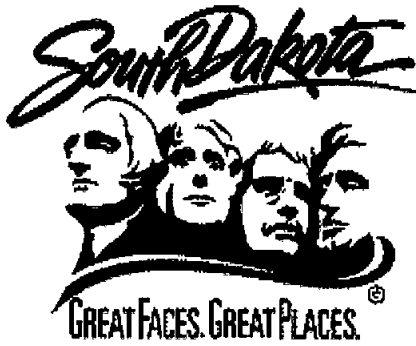
(date)

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

Marty Rust for Teton, LLC

(signature)





**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

March 29, 2016

8066-3

Teton LLC
PO Box 188
Pipestone MN 56164

Dear Sir:

I am writing to acknowledge receipt of the "Notice of Completion of Works" form. The form lets us know you are completed with the water use system constructed as part of your animal confinement facility in Grant County SD.

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

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

Sincerely,

A handwritten signature in black ink that reads "Genny McMath". The signature is written in a cursive, flowing style.

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

Teton, LLC Well Tracking Form

South Well - Well #1 Veblen Aquifer (original well)		
Date	Reading	Use in Gallons
04/01/2016	5,265,700	
04/02/2016	5,278,900	13,200
04/03/2016	5,292,400	13,500
04/04/2016	5,309,700	17,300
04/05/2016	5,322,800	13,100
04/06/2016	5,336,200	13,400
04/07/2016	5,349,200	13,000
04/08/2016	5,371,900	22,700
04/09/2016	5,390,300	18,400
04/10/2016	5,405,300	15,000
04/11/2016	5,418,000	12,700
04/12/2016	5,433,700	15,700
04/13/2016	5,449,600	15,900
04/14/2016	5,466,400	16,800
04/15/2016	5,484,600	18,200
04/16/2016	5,497,600	13,000
04/17/2016	5,512,300	14,700
04/18/2016	5,527,500	15,200
04/19/2016	5,543,600	16,100
04/20/2016	5,569,700	26,100
04/21/2016	5,571,300	1,600
04/22/2016	5,586,400	15,100
04/23/2016	5,601,300	14,900
04/24/2016	5,622,100	20,800
04/25/2016	5,644,200	22,100
04/26/2016	5,661,200	17,000
04/27/2016	5,678,300	17,100
04/28/2016	5,701,300	23,000
04/29/2016	5,722,700	21,400
04/30/2016	5,740,100	17,400
		-5,740,100

North Well - Well #2 Veblen Aquifer (newest We		
Date	Reading	Use
04/01/2016	2,118,700	
04/02/2016	2,126,200	7,500
04/03/2016	2,137,100	10,900
04/04/2016	2,147,300	10,200
04/05/2016	2,155,800	8,500
04/06/2016	2,164,700	8,900
04/07/2016	2,174,300	9,600
04/08/2016	2,187,800	13,500
04/09/2016	2,195,300	7,500
04/10/2016	2,208,300	13,000
04/11/2016	2,217,500	9,200
04/12/2016	2,227,800	10,300
04/13/2016	2,235,300	7,500
04/14/2016	2,248,800	13,500
04/15/2016	2,260,600	11,800
04/16/2016	2,269,600	9,000
04/17/2016	2,279,900	10,300
04/18/2016	2,288,000	8,100
04/19/2016	2,299,300	11,300
04/20/2016	2,314,800	15,500
04/21/2016	2,323,000	8,200
04/22/2016	2,335,600	12,600
04/23/2016	2,347,600	12,000
04/24/2016	2,355,200	7,600
04/25/2016	2,362,200	7,000
04/26/2016	2,369,100	6,900
04/27/2016	2,378,100	9,000
04/28/2016	2,389,400	11,300
04/29/2016	2,398,000	8,600
04/30/2016	2,409,600	11,600
		-2,409,600

Date	Use in Gallons
04/01/2016	
04/02/2016	20,700
04/03/2016	24,400
04/04/2016	27,500
04/05/2016	21,600
04/06/2016	22,300
04/07/2016	22,600
04/08/2016	36,200
04/09/2016	25,900
04/10/2016	28,000
04/11/2016	21,900
04/12/2016	26,000
04/13/2016	23,400
04/14/2016	30,300
04/15/2016	30,000
04/16/2016	22,000
04/17/2016	25,000
04/18/2016	23,300
04/19/2016	27,400
04/20/2016	41,600
04/21/2016	9,800
04/22/2016	27,700
04/23/2016	26,900
04/24/2016	28,400
04/25/2016	29,100
04/26/2016	23,900
04/27/2016	26,100
04/28/2016	34,300
04/29/2016	30,000
04/30/2016	29,000

total 765,300

Teton, LLC Well Tracking Form

South Well - Well #1 Veblen Aquifer (orginal well)		
Date	Reading	Use in Gallons
05/01/2016	5,755,000	
05/02/2016	5,787,200	32,200
05/03/2016	5,824,900	37,700
05/04/2016	5,854,200	29,300
05/05/2016	5,876,700	22,500
05/06/2016	5,909,800	33,100
05/07/2016	5,930,100	20,300
05/08/2016	5,959,500	29,400
05/09/2016	5,989,600	30,100
05/10/2016	6,051,500	61,900
05/11/2016	6,092,400	40,900
05/12/2016	6,111,500	19,100
05/13/2016	6,148,000	36,500
05/14/2016	6,174,300	26,300
05/15/2016	6,189,300	15,000
05/16/2016	6,203,200	13,900
05/17/2016	6,223,000	19,800
05/18/2016	6,234,300	11,300
05/19/2016	6,253,600	19,300
05/20/2016	6,271,100	17,500
05/21/2016	6,289,300	18,200
05/22/2016	6,305,300	16,000
05/23/2016	6,326,900	21,600
05/24/2016	6,345,500	18,600
05/25/2016	6,369,800	24,300
05/26/2016	6,388,500	18,700
05/27/2016	6,408,900	20,400
05/28/2016	6,429,100	20,200
05/29/2016	6,449,600	20,500
05/30/2016	6,469,800	20,200
05/31/2016	6,487,400	17,600

North Well - Well #2 Veblen Aquifer (newest We		
Date	Reading	Use
05/01/2016	2,409,600	
05/02/2016	2,409,600	0
05/03/2016	2,409,600	0
05/04/2016	2,409,600	0
05/05/2016	2,409,600	0
05/06/2016	2,409,600	0
05/07/2016	2,409,600	0
05/08/2016	2,409,600	0
05/09/2016	2,409,600	0
05/10/2016	2,409,600	0
05/11/2016	2,409,600	0
05/12/2016	2,409,600	0
05/13/2016	2,416,900	7,300
05/14/2016	2,434,500	17,600
05/15/2016	2,448,600	14,100
05/16/2016	2,460,300	11,700
05/17/2016	2,476,300	16,000
05/18/2016	2,488,300	12,000
05/19/2016	2,499,300	11,000
05/20/2016	2,515,300	16,000
05/21/2016	2,529,600	14,300
05/22/2016	2,536,200	6,600
05/23/2016	2,562,600	26,400
05/24/2016	2,578,600	16,000
05/25/2016	2,599,900	21,300
05/26/2016	2,616,400	16,500
05/27/2016	2,635,000	18,600
05/28/2016	2,649,800	14,800
05/29/2016	2,666,300	16,500
05/30/2016	2,689,300	23,000
05/31/2016	2,708,500	19,200

Date	Use in Gallons
05/01/2016	
05/02/2016	32,200
05/03/2016	37,700
05/04/2016	29,300
05/05/2016	22,500
05/06/2016	33,100
05/07/2016	20,300
05/08/2016	29,400
05/09/2016	30,100
05/10/2016	61,900
05/11/2016	40,900
05/12/2016	19,100
05/13/2016	43,800
05/14/2016	43,900
05/15/2016	29,100
05/16/2016	25,600
05/17/2016	35,800
05/18/2016	23,300
05/19/2016	30,300
05/20/2016	33,500
05/21/2016	32,500
05/22/2016	22,600
05/23/2016	48,000
05/24/2016	34,600
05/25/2016	45,600
05/26/2016	35,200
05/27/2016	39,000
05/28/2016	35,000
05/29/2016	37,000
05/30/2016	43,200
05/31/2016	36,800
1,031,300	

Teton, LLC Well Tracking Form

South Well - Well #1 Veblen Aquifer (orginal well)		
Date	Reading	Use in Gallons
06/01/2016	6,494,800	
06/02/2016	6,502,500	7,700
06/03/2016	6,536,600	34,100
06/04/2016	6,560,300	23,700
06/05/2016	6,585,800	25,500
06/06/2016	6,613,400	27,600
06/07/2016	6,622,500	9,100
06/08/2016	6,644,000	21,500
06/09/2016	6,663,000	19,000
06/10/2016	6,683,600	20,600
06/11/2016	6,705,600	22,000
06/12/2016	6,740,200	34,600
06/13/2016	6,775,700	35,500
06/14/2016	6,788,800	13,100
06/15/2016	6,874,100	85,300
06/16/2016	6,899,300	25,200
06/17/2016	6,930,300	31,000
06/18/2016	6,952,300	22,000
06/19/2016	6,972,300	20,000
06/20/2016	6,985,300	13,000
06/21/2016	6,985,300	0
06/22/2016	6,985,300	0
06/23/2016	7,003,600	18,300
06/24/2016	7,036,100	32,500
06/25/2016	7,058,300	22,200
06/26/2016	7,088,800	30,500
06/27/2016	7,109,900	21,100
06/28/2016	7,138,300	28,400
06/29/2016	7,163,600	25,300
06/30/2016	7,184,000	20,400
		-7,184,000

North Well - Well #2 Veblen Aquifer (newest We		
Date	Reading	Use
06/01/2016	2,713,500	
06/02/2016	2,722,700	9,200
06/03/2016	2,751,800	29,100
06/04/2016	2,774,300	22,500
06/05/2016	2,799,300	25,000
06/06/2016	2,817,600	18,300
06/07/2016	2,829,700	12,100
06/08/2016	2,843,800	14,100
06/09/2016	2,861,000	17,200
06/10/2016	2,875,300	14,300
06/11/2016	2,905,300	30,000
06/12/2016	2,933,600	28,300
06/13/2016	2,961,300	27,700
06/14/2016	2,973,700	12,400
06/15/2016	3,000,500	26,800
06/16/2016	3,020,500	20,000
06/17/2016	3,045,600	25,100
06/18/2016	3,067,800	22,200
06/19/2016	3,081,300	13,500
06/20/2016	3,100,200	18,900
06/21/2016	3,125,300	25,100
06/22/2016	3,155,300	30,000
06/23/2016	3,179,600	24,300
06/24/2016	3,204,300	24,700
06/25/2016	3,226,300	22,000
06/26/2016	3,246,300	20,000
06/27/2016	3,269,100	22,800
06/28/2016	3,298,000	28,900
06/29/2016	3,310,200	12,200
06/30/2016	3,339,700	29,500
		-3,339,700

Date	Use in Gallons
06/01/2016	
06/02/2016	16,900
06/03/2016	63,200
06/04/2016	46,200
06/05/2016	50,500
06/06/2016	45,900
06/07/2016	21,200
06/08/2016	35,600
06/09/2016	36,200
06/10/2016	34,900
06/11/2016	52,000
06/12/2016	62,900
06/13/2016	63,200
06/14/2016	25,500
06/15/2016	112,100
06/16/2016	45,200
06/17/2016	56,100
06/18/2016	44,200
06/19/2016	33,500
06/20/2016	31,900
06/21/2016	25,100
06/22/2016	30,000
06/23/2016	42,600
06/24/2016	57,200
06/25/2016	44,200
06/26/2016	50,500
06/27/2016	43,900
06/28/2016	57,300
06/29/2016	37,500
06/30/2016	49,900

1,315,400

Teton, LLC Well Tracking Form

South Well - Well #1 Veblen Aquifer (original well)

Date	Reading	Use in Gallons
07/01/2016	7,204,400	
07/02/2016	7,230,300	25,900
07/03/2016	7,250,100	19,800
07/04/2016	7,274,600	24,500
07/05/2016	7,298,200	23,600
07/06/2016	7,323,400	25,200
07/07/2016	7,346,200	22,800
07/08/2016	7,365,000	18,800
07/09/2016	7,436,500	71,500
07/10/2016	7,481,000	44,500
07/11/2016	7,500,800	19,800
07/12/2016	7,500,800	0
07/13/2016	7,520,600	19,800
07/14/2016	7,535,600	15,000
07/15/2016	7,546,900	11,300
07/16/2016	7,560,300	13,400
07/17/2016	7,588,100	27,800
07/18/2016	7,607,500	19,400
07/19/2016	7,627,400	19,900
07/20/2016	7,645,900	18,500
07/21/2016	7,659,100	13,200
07/22/2016	7,680,100	21,000
07/23/2016	7,691,100	11,000
07/24/2016	7,711,000	19,900
07/25/2016	7,722,600	11,600
07/26/2016	7,741,100	18,500
07/27/2016	7,760,100	19,000
07/28/2016	7,780,100	20,000
07/29/2016	7,794,200	14,100
07/30/2016	7,812,300	18,100
07/31/2016	7,829,900	17,600
08/01/2016	7,845,100	

North Well - Well #2 Veblen Aquifer (newest We

Date	Reading	Use
07/01/2016	3,369,200	
07/02/2016	3,379,300	10,100
07/03/2016	3,401,100	21,800
07/04/2016	3,424,300	23,200
07/05/2016	3,444,400	20,100
07/06/2016	3,468,200	23,800
07/07/2016	3,489,700	21,500
07/08/2016	3,506,800	17,100
07/09/2016	3,541,400	34,600
07/10/2016	3,575,600	34,200
07/11/2016	3,591,700	16,100
07/12/2016	3,591,700	0
07/13/2016	3,601,000	9,300
07/14/2016	3,634,000	33,000
07/15/2016	3,665,100	31,100
07/16/2016	3,694,100	29,000
07/17/2016	3,710,100	16,000
07/18/2016	3,720,700	10,600
07/19/2016	3,740,800	20,100
07/20/2016	3,762,200	21,400
07/21/2016	3,780,500	18,300
07/22/2016	3,792,600	12,100
07/23/2016	3,811,100	18,500
07/24/2016	3,843,600	32,500
07/25/2016	3,866,900	23,300
07/26/2016	3,880,100	13,200
07/27/2016	3,901,300	21,200
07/28/2016	3,915,600	14,300
07/29/2016	3,939,300	23,700
07/30/2016	3,957,500	18,200
07/31/2016	3,974,600	17,100
08/01/2016	3,985,400	

Date Use in Gallons

07/01/2016	36,000
07/02/2016	41,600
07/03/2016	47,700
07/04/2016	43,700
07/05/2016	49,000
07/06/2016	44,300
07/07/2016	35,900
07/08/2016	106,100
07/09/2016	78,700
07/10/2016	35,900
07/11/2016	0
07/12/2016	29,100
07/13/2016	48,000
07/14/2016	42,400
07/15/2016	42,400
07/16/2016	43,800
07/17/2016	30,000
07/18/2016	40,000
07/19/2016	39,900
07/20/2016	31,500
07/21/2016	33,100
07/22/2016	29,500
07/23/2016	52,400
07/24/2016	34,900
07/25/2016	31,700
07/26/2016	40,200
07/27/2016	34,300
07/28/2016	37,800
07/29/2016	36,300
07/30/2016	34,700
	1,230,900

Teton, LLC Well Tracking Form

South Well - Well #1 Veblen Aquifer (orginal well)		
Date	Reading	Use in Gallons
08/01/2016	7,845,100	
08/02/2016	7,859,000	13,900
08/03/2016	7,870,100	11,100
08/04/2016	7,898,600	28,500
08/05/2016	7,902,000	3,400
08/06/2016	7,930,300	28,300
08/07/2016	7,959,600	29,300
08/08/2016	7,974,100	14,500
08/09/2016	7,985,300	11,200
08/10/2016	8,011,100	25,800
08/11/2016	8,012,600	1,500
08/12/2016	8,033,300	20,700
08/13/2016	8,049,600	16,300
08/14/2016	8,059,900	10,300
08/15/2016	8,074,000	14,100
08/16/2016	8,085,500	11,500
08/17/2016	8,096,200	10,700
08/18/2016	8,115,500	19,300
08/19/2016	8,120,200	4,700
08/20/2016	8,128,300	8,100
08/21/2016	8,135,200	6,900
08/22/2016	8,149,600	14,400
08/23/2016	8,159,300	9,700
08/24/2016	8,179,000	19,700
08/25/2016	8,189,600	10,600
08/26/2016	8,189,300	-300
08/27/2016	8,202,300	13,000
08/28/2016	8,215,100	12,800
08/29/2016	8,231,200	16,100
08/30/2016	8,251,200	20,000
08/31/2016	8,281,400	30,200

North Well - Well #2 Veblen Aquifer (newest We		
Date	Reading	Use
08/01/2016	3,985,400	
08/02/2016	3,995,600	10,200
08/03/2016	4,001,600	6,000
08/04/2016	4,018,900	17,300
08/05/2016	4,040,200	21,300
08/06/2016	4,067,600	27,400
08/07/2016	4,082,300	14,700
08/08/2016	4,095,900	13,600
08/09/2016	4,098,300	2,400
08/10/2016	4,142,300	44,000
08/11/2016	4,166,400	24,100
08/12/2016	4,178,300	11,900
08/13/2016	4,196,300	18,000
08/14/2016	4,221,200	24,900
08/15/2016	4,248,400	27,200
08/16/2016	4,266,600	18,200
08/17/2016	4,288,100	21,500
08/18/2016	4,299,300	11,200
08/19/2016	4,329,300	30,000
08/20/2016	4,346,400	17,100
08/21/2016	4,359,400	13,000
08/22/2016	4,378,900	19,500
08/23/2016	4,401,100	22,200
08/24/2016	4,440,800	39,700
08/25/2016	4,451,200	10,400
08/26/2016	4,472,300	21,100
08/27/2016	4,492,300	20,000
08/28/2016	4,510,100	17,800
08/29/2016	4,516,800	6,700
08/30/2016	4,540,100	23,300
08/31/2016	4,559,300	19,200

Date	Use in Gallons
08/01/2016	
08/02/2016	24,100
08/03/2016	17,100
08/04/2016	45,800
08/05/2016	24,700
08/06/2016	55,700
08/07/2016	44,000
08/08/2016	28,100
08/09/2016	13,600
08/10/2016	69,800
08/11/2016	25,600
08/12/2016	32,600
08/13/2016	34,300
08/14/2016	35,200
08/15/2016	41,300
08/16/2016	29,700
08/17/2016	32,200
08/18/2016	30,500
08/19/2016	34,700
08/20/2016	25,200
08/21/2016	19,900
08/22/2016	33,900
08/23/2016	31,900
08/24/2016	59,400
08/25/2016	21,000
08/26/2016	20,800
08/27/2016	33,000
08/28/2016	30,600
08/29/2016	22,800
08/30/2016	43,300
08/31/2016	49,400
1,010,200	

Teton, LLC Well Tracking Form

South Well - Well #1 Veblen Aquifer (original well)		
Date	Reading	Use in Gallons
09/01/2016	8,251,200	
09/02/2016	8,262,200	11,000
09/03/2016	8,271,100	8,900
09/04/2016	8,294,300	23,200
09/05/2016	8,306,900	12,600
09/06/2016	8,319,900	13,000
09/07/2016	8,322,200	2,300
09/08/2016	8,324,200	2,000
09/09/2016	8,324,200	0
09/10/2016	8,324,200	0
09/11/2016	8,332,600	8,400
09/12/2016	8,340,100	7,500
09/13/2016	8,342,900	2,800
09/14/2016	8,353,000	10,100
09/15/2016	8,373,000	20,000
09/16/2016	8,379,300	6,300
09/17/2016	8,384,300	5,000
09/18/2016	8,387,100	2,800
09/19/2016	8,391,100	4,000
09/20/2016	8,392,200	1,100
09/21/2016	8,393,600	1,400
09/22/2016	8,397,100	3,500
09/23/2016	8,397,100	0
09/24/2016	8,397,100	0
09/25/2016	8,397,100	0
09/26/2016	8,397,100	0
09/27/2016	8,397,100	0
09/28/2016	8,398,900	1,800
09/29/2016	8,398,900	0
09/30/2016	8,398,900	0
		-8,398,900

North Well - Well #2 Veblen Aquifer (newest Well)		
Date	Reading	Use
09/01/2016	4,574,400	
09/02/2016	4,585,100	10,700
09/03/2016	4,602,300	17,200
09/04/2016	4,631,100	28,800
09/05/2016	4,656,300	25,200
09/06/2016	4,673,700	17,400
09/07/2016	4,683,300	9,600
09/08/2016	4,701,000	17,700
09/09/2016	4,719,300	18,300
09/10/2016	4,730,300	11,000
09/11/2016	4,742,600	12,300
09/12/2016	4,750,300	7,700
09/13/2016	4,778,800	28,500
09/14/2016	4,795,500	16,700
09/15/2016	4,813,900	18,400
09/16/2016	4,844,400	30,500
09/17/2016	4,863,600	19,200
09/18/2016	4,876,100	12,500
09/19/2016	4,917,700	41,600
09/20/2016	4,922,200	4,500
09/21/2016	4,942,200	20,000
09/22/2016	4,961,300	19,100
09/23/2016	4,972,300	11,000
09/24/2016	4,982,300	10,000
09/25/2016	4,991,900	9,600
09/26/2016	4,996,300	4,400
09/27/2016	5,000,000	3,700
09/28/2016	5,022,200	22,200
09/29/2016	5,037,600	15,400
09/30/2016	5,048,200	10,600
		-5,048,200

Date	Use in Gallons
09/01/2016	
09/02/2016	21,700
09/03/2016	26,100
09/04/2016	52,000
09/05/2016	37,800
09/06/2016	30,400
09/07/2016	11,900
09/08/2016	19,700
09/09/2016	18,300
09/10/2016	11,000
09/11/2016	20,700
09/12/2016	15,200
09/13/2016	31,300
09/14/2016	26,800
09/15/2016	38,400
09/16/2016	36,800
09/17/2016	24,200
09/18/2016	15,300
09/19/2016	45,600
09/20/2016	5,600
09/21/2016	21,400
09/22/2016	22,600
09/23/2016	11,000
09/24/2016	10,000
09/25/2016	9,600
09/26/2016	4,400
09/27/2016	3,700
09/28/2016	24,000
09/29/2016	15,400
09/30/2016	10,600
	621,500