

WATER PERMIT NO. 1953-1

Name of Applicant: Wild Turkey Estates Homeowners Association

Address: 19939 Gobbler Rd, Spearfish SD 57783

Phone: 605 722-8905

Amount of Water Claimed: 0.07 cfs (31 gpm)

Total Acres: NA

Source of Water Supply: groundwater (two wells)

Water to be used for: suburban housing development

County: Lawrence

Type of Waste Disposal System:

Location: 2 miles northwest of Spearfish

PRIORITY

Date Received: 4-17-15

Application/License Fee: \$ 300

Corrected Application Received:

Period of Annual Use: Jan 1 – Dec 31

Remarks:

Diversion Point: NW 1/4 NW 1/4 Sec 6-T6N-R2E
and NE 1/4 SE 1/4 Sec 1-T6N-R1E

Land to be Irrigated: NA

Depth of Well: 615 and 560 feet deep

Well Driller: Graf Drilling & Ellingson Drilling

Remarks:

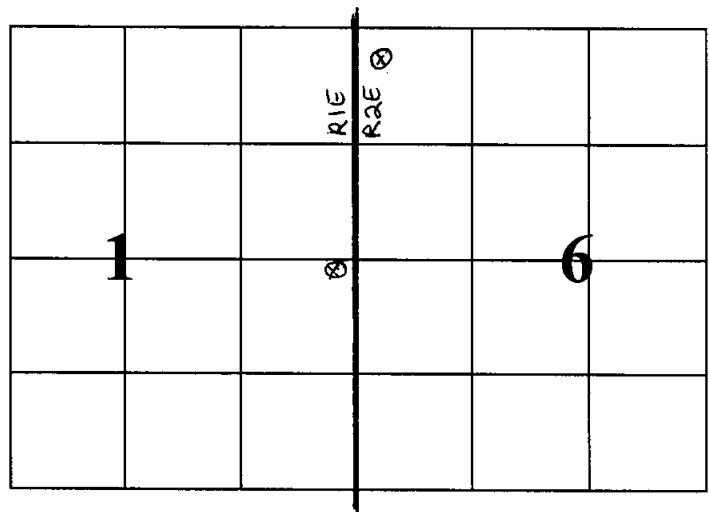
Type of Map: topo

Prepared by:

Reviewed and the Number Assigned on: 4-20-15

By: **Karen Schlaak**

Notice of Hearing - date to intervene: _____



SD EForm - 1585LD V4

FORM 2: Application for uses other than irrigation

(type or print)

RECEIVED
APR 17 2015
WATER RIGHTS
PROGRAM

Mail to: PMB 2020 DENR - Water Rights 523 E Capitol Ave Pierre, SD 57501-3182 ph. (605) 773-3352	No. <u>1953-1</u> (office use only)	Hydrologic Unit <u>10120203</u>
	Basin <u>Belle Fourche R.</u>	
	Newspaper <u>Black Hills Pioneer</u>	

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 Wild Turkey Estates Homeowners Association(check one) ☐ Owner ☐ Tenant/lessee ☐ Owner's Legal Agent Bill Tysdal, President

(name and complete address if different than above name)

Mailing Address 49939 Gobbler Road PO Box 454 Spearfish SD 57783

(Address)

(City)

(State)

(Zip Code)

Home Phone 605 722-8905

Cell _____

Email bill.tysdal@gmail.com(6-75 AF)2. Amount of water claimed 0.07 *CFS or 31 **GPM 2,200,000 gal ***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 (two existing Minnelusa wells) lower well - NW 1/4 NW 1/4 Sec 6-T6N-R2E &4. Location of point of diversion upper well-NE 1/4 SE 1/4 Sec 1-T6N-R1E County Lawrence

(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 Lawrence6. Annual period during which water is to be used January 1 - December 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 project is to supply a suburban housing development. Each well currently supplies separate "upper" and "lower" divisions of the development. The Association wants to have the flexibility in the future to combine the wells to serve the entire development.

Bill Tysdal

I, PAWS. WTE HOA the applicant, certify that I have read this application, have examined the attached map, and that the matters stated are true.

2012-09

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

**SOUTH DAKOTA
WATER PERMIT NO. 1953-1**

Date of first receipt of application April 17, 2015.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 1953-1 to Wild Turkey Estates Homeowners Association, c/o Bill Tysdal, President, PO Box 454, Spearfish SD 57783 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. 1953-1 appropriates 0.07 cubic feet of water per second (6.75 acre-feet annually) from two existing wells completed into the Minnelusa Aquifer (615 and 806 feet deep) located in the NW 1/4 NW 1/4 Section 6-T6N-R2E and NE 1/4 SE 1/4 Section 1-T6N-R1E to supply a suburban housing development which is located in portions of the E 1/2 Section 1-T6N-R1E, W 1/2 Section 6-T6N-R2E and the SW 1/4 SW 1/4 Section 31-T7N-R2E.
2. The water appropriated shall be used for the purpose of suburban housing development use and may not exceed the amount of water needed for beneficial use.
3. The water is to be used during the following described annual period: January 1 – December 31.
4. The date of approval of Permit No. 1953-1 is June 22, 2015.
5. The date from which applicant may claim right is April 17, 2015.
6. One-fifth of the construction is to be completed on or before December 22, 2017.
7. All construction is to be completed on or before June 22, 2020.
8. Water is to be put to beneficial use on or before June 22, 2024.
9. Water rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

QUALIFICATIONS

1. The 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. Water Permit No. 1953-1 is limited to a total annual diversion of 6.75 acre feet of water from the Minnelusa aquifer.
3. Wild Turkey Estates Homeowners Association shall report to the Chief Engineer annually the amount of water withdrawn from the Minnelusa aquifer.

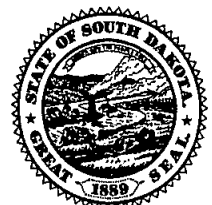
WATER MANAGEMENT BOARD

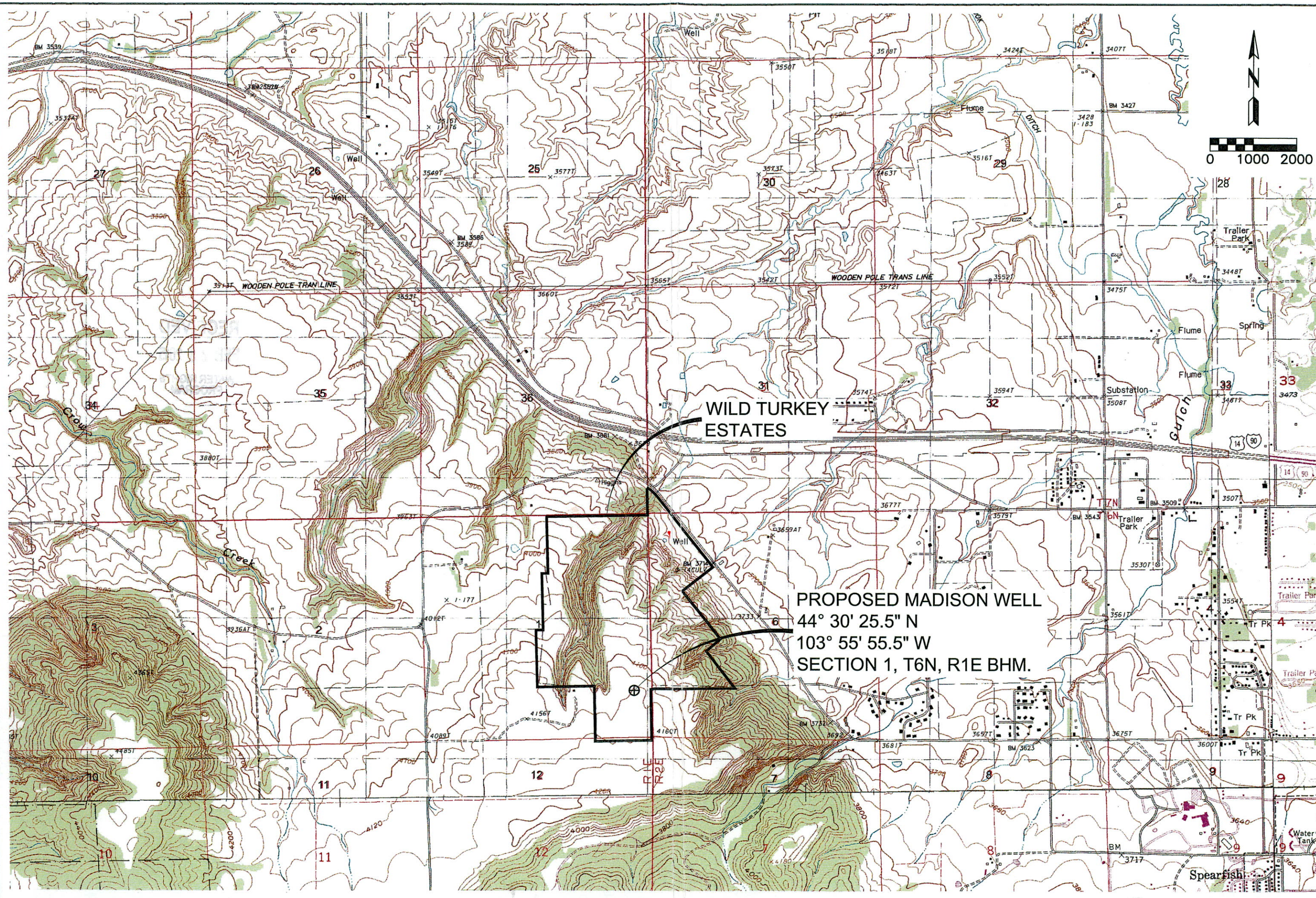
By: *Jeanne Goodman*

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

AUG 04 2015

date





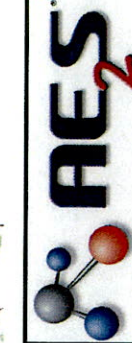
#	DATE	BY	CKD	DESCRIPTION
	2/24/14	RF	GW	

LOCATION MAP FOR MADISON WELL

WILD TURKEY ESTATES
SPEARFISH, SOUTH DAKOTA

SHEET	PROJECT
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1560 Concourse Drive
Rapid City, SD 57703
Phone: (605) 341-7800
Fax: (605) 341-7864
www.ae2s.com



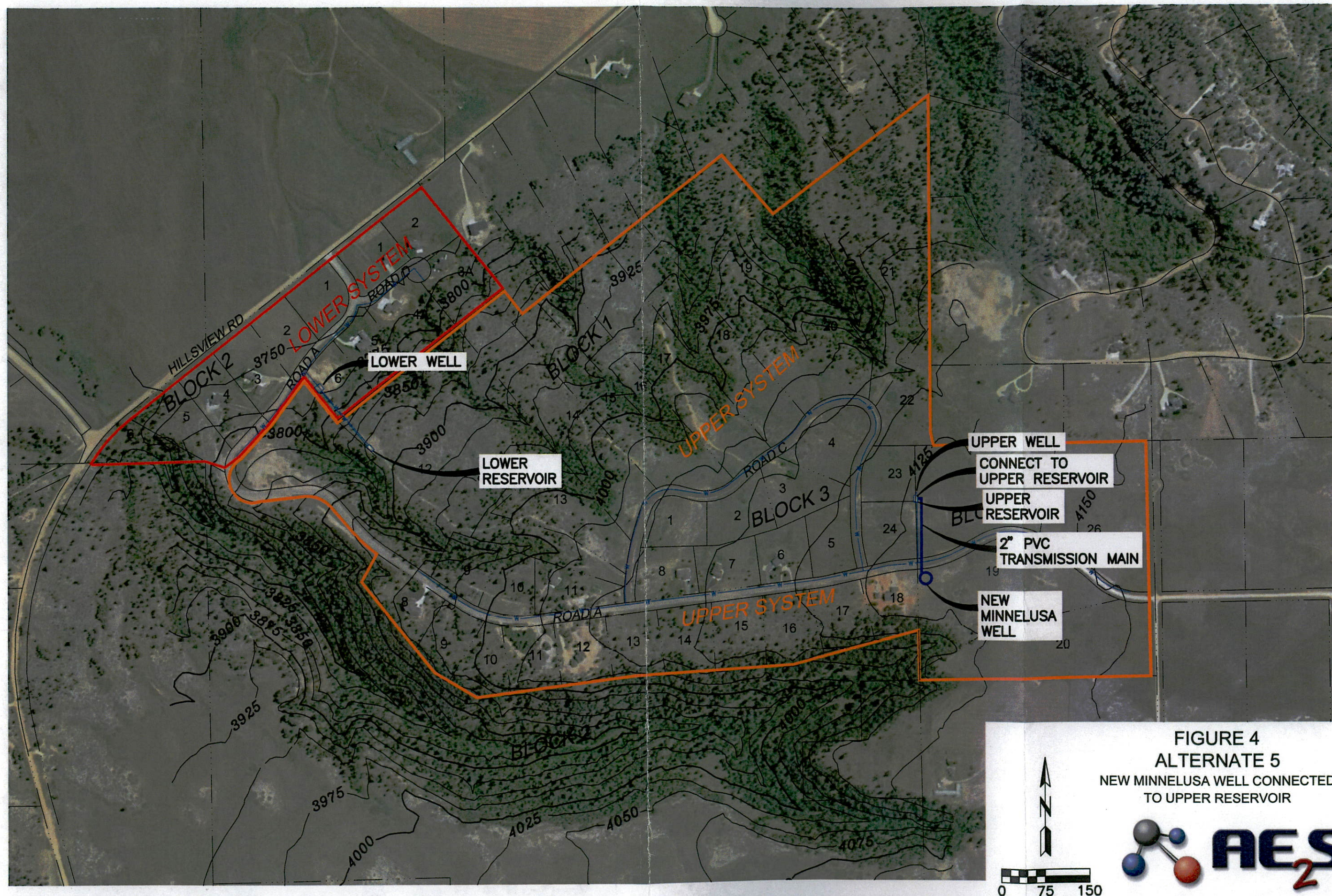
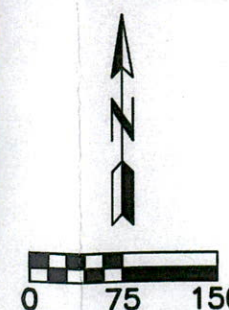


FIGURE 4
ALTERNATE 5
NEW MINNELUSA WELL CONNECTED
TO UPPER RESERVOIR



T6NR2E SEC 6 NW 1/4

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GRAF DRILLING

Ruliett, Wyo.

Record of Well Drilled

Year Drilled 1972

Fred Beets Lance
(Name of Operator) (Farm No.) (County)

615
(Location of Well) (Total depth of Well) (Depth of Casing)
129 SKS cement

Cased: 0 ft. to 197 ft. Type Used 1 1/2" Size 8" ID Wt. Casing-Lb./ft. _____

Cased: 197 ft. to 407 ft. Type Used 1 1/2" Size 6" ID Wt. Casing-Lb./ft. _____

Cased: _____ ft. to _____ ft. Type _____ Size _____ Wt. Casing-Lb./ft. _____

Type of Perforation NONE

Artesian Well _____ Flow _____ GPM Was cut-off device installed? _____

Pump Well ☒ Type pumping equipment provided To Be installed later

Static Water Level 50; Pumping or Bailing Water Level 260 ft. at 50 GPM

How Tested HLK Length of Test 2 hrs

Describe Quality of Water (taste, odor, color, fitness, etc.) good

Driller's Statement: I HEREBY CERTIFY, that the statements entered above concerning this well are true and correct, and that the well log on the reverse side of this form records accurately the depth of the well and the description of formations drilled. I authorize this record to be used to support the producer's claim for cost-sharing under the Agricultural Conservation Program.

(Date) (Signature of Driller)

Producer's Statement: I HEREBY CERTIFY, that I observed periodically the drilling operations of the above well and to the best of my knowledge I believe that the statements entered above by the driller are true and correct, and that the well log on the reverse side hereof records accurately the depth of the well and description of formations drilled.

(Date) (Signature of Producer)

(Put formation log on reverse side)

LOG OF WELL

Rotary
(Method of Drilling)

SEPT 20
(Date Started)

NOV 19 1972
(Date Completed)

From Feet	To Feet	Description of Material Drilled; and Water Sources Encountered
0	6	Surface
6	30	Lime Stone
30	150	Red Bed O Peachie
150	230	Mimihlosa ^{Yellow sandstone} Trace of moisture - All
230	270	Sand stone - siltstone 59/PM
270	275	Brownish gray
275	340	limest ⁱⁿ streaks of white Drains water
340	380	Brownish gray. streaks Dominant
380	400	Brownish - gray " "
400	490	Drilling Brake 490 No water
490	495	Hard Rock
495	500	Drilling Brake No water
500	520	Gray - Tan sand
520	560	Tan Pink sand water
560	600	Tan white Gray sand
600	615	Fractured Lost circulation
		Cement 10 sks cement
		used 60 sks gal - 3 Beass bearing

SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

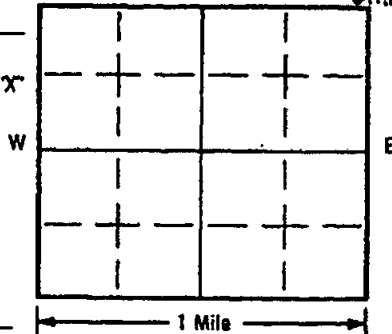
Location ~~NE 1/4~~ SE 1/4 Sec 1 Twp 16N Rg 1E 612/14
 County NE 1/4 North 1 per Jerry Ellingson

Well Owner: David Greef

Business Name: JMC INC

Address: 365 Hayes Creek Rd
Hamilton MT 59840

Please mark well location with an "X"



Well-Completion Date

1-17-08

WELL LOG:

DEPTH

FORMATION	FROM	TO
Limestone	0	35
Speche	35	145
Yellow sand	145	185
lime-sandstone-red	185	550
white gray limestone		
same sandstone	550	806

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? 150 ft. from drainfield (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
 250 LB/FT 5 IN 0 FT 560 FT 7 1/2 IN
 _____ LB/FT _____ IN _____ FT _____ FT _____ IN
 _____ LB/FT _____ IN _____ FT _____ FT _____ IN

GROUTING DATA

Grout Type No. of Sacks Grout Weight From To
 _____ 88 _____ lb./gal 0 ft 560 ft
 _____ _____ lb./gal _____ ft _____ ft

Describe grouting procedure

SCREEN: ☐ Perforated pipe ☐ Manufactured

Diameter _____ IN Length _____ FEET

Material _____

Slot Size _____ Set From _____ Feet to _____ Feet

Other information _____

WAS A PACKER OR SEAL USED? ☐ YES ☒ NO

If so, what material?

Describe packer(s) and location?

DISINFECTION: Was well disinfected upon completion?

YES, How:

Clorox

NO, Why Not?

Laboratory sent to for water quality analysis

STATIC WATER LEVEL 425 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: 16 gpm @ 700'

☐ Bailed☐ Other

Pumping Level Below Land Surface

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate 13 _____ GPM

REMARKS

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JAN 27 2009

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This well was drilled under license # 9.3

And this report is true and accurate.

Drilling firm Ellingson Drilling

Signature of License Representative:

Jerry Ellingson

Signature of Well Owner or Equitable Property Holder:

Date:

1-27-09

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date 4-17, 2015

Wild Turkey Estates HOA Inc, PO Box 454, Spearfish SD 57783

RECEIVED OF _____

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

Fee for Application for Permit No. <u>1953-1</u> to Appropriate Water, to construct and to put water to beneficial use	100	00
Fee for Application for Permit No. _____ to Appropriate Water for Future use		
Fee to retain Future Use Permit No. _____ after period of seven years.		
Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water License No. <u>1953-1</u>	200	00
Fee for Filing Transfer Form _____		
Fee for _____		
Fee for Issuing New Well Driller's License No. _____ for C.Y. _____		
Fee for Renewal of Well Driller's License No. _____ for C.Y. _____		
Fee for Issuing Well Pump Installer's License No. _____ for C.Y. _____		
Fee for Renewal of Well Pump Installer's License No. _____ for C.Y. _____		
(Any Other Work Provided by Law)	TOTAL	300.00

No. **07552**

By

Jeanne Goodman
Chief Engineer

KS

Schlaak, Karen

From: Gronlund, Eric
Sent: Tuesday, April 07, 2015 1:37 PM
To: Schlaak, Karen
Cc: Kilts, Whitney (DENR)
Subject: Wild Turkey Estates

Mark Stadel, who is a Board member for the Association called back. He discussed the matter with the Board President and agree they should get a permit for the two Minnelusa wells. If possible they wanted us to work directly with them to save on cost.

I said we would partially complete an application and email it to him. They will need to review carefully to insure it accurately reflect the Minnelusa component of the development. His email address is mark.stadel@ringcontainer.com. He is aware the application filing fee is \$300.

Are the legal descriptions, well completion reports and map with locations in the engineering report. If so use them. As far as the amount of water claimed leave blank but have the email state the engineering report states the wells were pumped at the time of construction at 13 and 18 gpm.

Description of project should be to supply a suburban housing development. Each well current supplies separate "upper" and "lower" divisions of the development. The Association wants to have the flexibility in the future to combine the well to serve the entire development.

Finally, in the email ask if they have an estimate of the total volume of water (in gallons) use annually.

Thanks - Eric

Schlaak, Karen

From: Schlaak, Karen
Sent: Tuesday, April 07, 2015 3:02 PM
To: 'mark.stadel@ringcontainer.com'
Cc: Gronlund, Eric
Subject: Wild Turkey Estates
Attachments: Wild Turkey Application.pdf

Based on your phone conversation with Eric Gronlund of this office, attached is a partially completed Application for Permit to Appropriate Water for the two Minnelusa wells used by Wild Turkey Estates.

Please complete Item No. 2, Amount of Water Claimed. The engineering report states the lower and upper wells have a current production capacity of 18 and 13 gallons per minute. Also, do you have an estimate of the total volume of water (in gallons) used annually?

The legal descriptions for the two wells are based on the maps included in the engineering report submitted with the application for the Madison well. Please review, complete where necessary, sign and return with the application filing fee of \$300.

If you have any questions, please contact Eric Gronlund or me.

Karen Schlaak
Water Rights Program
523 E Capitol Ave
Pierre SD 57501
Phone: 605 773-3352

Schlaak, Karen

From: Schlaak, Karen
Sent: Monday, May 04, 2015 1:56 PM
To: 'Greg.Wierenga@AE2S.com'
Subject: RE: Wild Turkey Estates Water Permit

The staff engineer report has been completed for the application for the Madison well and awaiting the chief engineers recommendation (probably this week). You should be aware that Wild Turkey Estates (Mark Stadel) filed another application for the two Minnelusa wells. At the time we are ready to public notice the first application, we will be contacting them to see if they would like to wait and have the two applications public noticed at the same time.

If you have any questions, let me know.
Karen

From: Greg.Wierenga@AE2S.com [<mailto:Greg.Wierenga@AE2S.com>]
Sent: Friday, May 01, 2015 10:26 AM
To: Schlaak, Karen
Cc: Mark Stadel
Subject: RE: Wild Turkey Estates Water Permit

Karen:

Could you update me on status of Wild Turkey water permit?

Greg Wierenga

From: Schlaak, Karen [<mailto:Karen.Schlaak@state.sd.us>]
Sent: Tuesday, March 24, 2015 7:34 AM
To: Greg Wierenga
Subject: RE: Wild Turkey Estates Water Permit

The application for the association was complete on March 9, 2015. We have 60 days from that date to complete a report and recommendation. New applications go to the bottom of the stack. Depending on the work load, this report and recommendation should be complete before the 60 days. Feel free to check on the status in a couple of weeks. The association will be sent a letter with the report, recommendations and information regarding the public notice process when we are to that point.

Karen Schlaak
Water Rights Program
523 E Capitol Ave
Pierre SD 57501
Phone: 605 773-3352

From: Greg Wierenga [<mailto:Greg.Wierenga@AE2S.com>]
Sent: Monday, March 23, 2015 5:24 PM
To: Schlaak, Karen
Subject: Wild Turkey Estates Water Permit

Karen:

The Wild Turkey Homeowners Association asked me for an approximate time frame for application process on their Madison formation well. Can you help me with this?

Greg Wierenga
Project Manager
Advanced Engineering and
Environmental Services, Inc. (AE2S)
1560 Concourse Drive
Rapid City, SD 57703-4732
Greg.Wierenga@AE2S.com
www.ae2s.com
Voice: 605.341.7800
Fax: 605.341.7886



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

denr.sd.gov

**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 1953-1, Wild Turkey Estates Homeowners Association**

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. 1953-1, Wild Turkey Estates Homeowners Association, c/o Bill Tysdal, President, 19939 Gobbler Road, Spearfish SD 57783.

The Chief Engineer is recommending APPROVAL of Application No. 1953-1 because 1) there is reasonable probability that there is unappropriated water available for the applicant's proposed use, 2) the proposed diversion can be developed without unlawful impairment of existing rights, 3) the proposed use is a beneficial use and 4) it is in the public interest with the following 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. Water Permit No. 1953-1 is limited to a total annual diversion of 6.75 acre feet of water from the Minnelusa aquifer.
3. Wild Turkey Estates Homeowners Association shall report to the Chief Engineer annually the amount of water withdrawn from the Minnelusa aquifer.

See report on application for additional information.

Jeanne Goodman, Chief Engineer
June 4, 2015

Report to the Chief Engineer

Application No. 1953-1

Wild Turkey Estates Homeowners Association

May 22, 2015

Water Permit Application Number 1953-1 proposes to appropriate water from the Minnelusa aquifer at a maximum rate of 0.07 cubic feet per second (cfs) with a maximum annual volume of 6.75 acre-feet. Water is to be diverted from two existing wells 615 and 806 feet deep located in the NW ¼ NW ¼ Section 6-T6N-R2E and NE ¼ SE ¼ Section 1-T6N-R1E. The water is to be used for a suburban housing development.

The developed portion of the Wild Turkey Estates currently obtains its water from these two Minnelusa wells on separate systems. Current water production does not meet peak demands of the upper system and estimated full build out demand for the development. The plan for Wild Turkey Estates is that the upper system will be served by the existing Minnelusa well and a new Madison well (Weirenga, 2015). A permit for the Madison formation well was applied for in Water Permit Application No. 1950-1. The lower system will continue as a separate system served by its existing Minnelusa well, and may in the long term be connected to the upper system (Weirenga, 2015). Although well production of each of these separate wells falls under reasonable domestic use, the planned addition of a Madison well and possible connection of the systems results in a system that exceeds the reasonable domestic use criteria. Therefore a water right is also needed to cover the Minnelusa portion of the system. The majority of Wild Turkey Estates is served by the upper system, and the lower system (northern most of the two wells) serves the northeast corner of Wild Turkey Estates. At the time of the preliminary engineering report the lower system consisted of 12 lots with eight constructed homes and the upper system contained 38 lots with nine constructed homes with the development covering an area of about 390 acres (AE₂S, 2014 and NJS Engineering, 2008).

Aquifer: Minnelusa (MNLS)

Aquifer Characteristics and Hydrogeology

The Minnelusa Formation is made up of alternating layers of dolomite and sandstone interbedded with smaller amounts of chert and shale (Greene et al., 1999). The Minnelusa aquifer is located within the poorly consolidated sandstones of the upper portion of the Minnelusa Formation (Greene et al., 1999). The Minnelusa underlies the Opeche Shale, which acts a confining unit between the Minnelusa and the Minnekahta (Strobel et al., 1999). The Minnelusa overlies the Madison Formation. The lower portion of the Minnelusa Formation acts as a confining layer between the two aquifers, but may have increased permeability in the area of the outcrop as a result of brecciation and fractures from folding (Kyllonen and Peter, 1987). Putnam and Long (2007) postulate that “the hydraulic connection between the Madison

Limestone and the Minnelusa Formation is spatially variable and probably results from faults, fractures, and breccia pipes.” However, aquifer tests in the Minnelusa aquifer conducted in the Spearfish area reported on in Greene et al. (1999) did not observe drawdown in area Madison observation wells.

In the Black Hills, the Minnelusa aquifer is recharged by streamflow losses and infiltration of precipitation where the Minnelusa outcrops (Carter et al. 2001a). Carter et al. (2001a) estimates combined average annual recharge from precipitation and streamflow to the Minnelusa and Madison aquifers in the Black Hills area for water years 1931-1998 at 344 cfs (249,211 acre-ft). When considering the distribution of this recharge between aquifers, Carter et al. (2001a) notes that both aquifers receive a similar volume of recharge from precipitation. However, recharge due to streamflow is thought to be slightly higher in the Madison aquifer due to the upgradient location of its outcrops (Carter et al. 2001a). Based on this Carter et al. (2001a) estimated that the Madison aquifer receives about 55% (137,066 acre-ft) and the Minnelusa aquifer receives about 45% (112,145 acre-ft) of the combined average annual recharge, although it is noted that this is subject to temporal and spatial variability based on outcrop patterns. The amount of recoverable water in storage for the Minnelusa aquifer in western South Dakota is estimated at 755,555,520 acre-feet of which an estimated 5,591,040 acre-feet is in Lawrence county (Allen et al., 1985). Putnam and Long (2007) noted that well yields in the Minnelusa are highly variable with most wells yielding between 10 and 200 gallons per minutes (gpm) and many well yields ranging from 200 to 700 gpm with a few well yields reaching 1,700 gpm.

The main body of the Minnelusa outcrop is located about 0.5 miles to the south of the upper well. There are also two small Minnelusa outcrops to the northwest (≈ 0.3 and ≈ 1.2 miles) of these wells. Groundwater movement in this area of the aquifer is away from the outcrop in a northeastern direction (Putnam and Long, 2007). Of the 23 observation wells completed into the Minnelusa aquifer monitored by the Water Rights Program the nearest observation wells are LA-86A (≈ 0.9 miles east of the lower well), LA-96C (≈ 2.9 miles southeast of the upper well), and LA-87B (≈ 3.7 miles west northwest of the upper well). The hydrographs for these observation wells are shown in Figures 1, 2, and 3. These observation well hydrographs indicate that climatic conditions govern water levels.

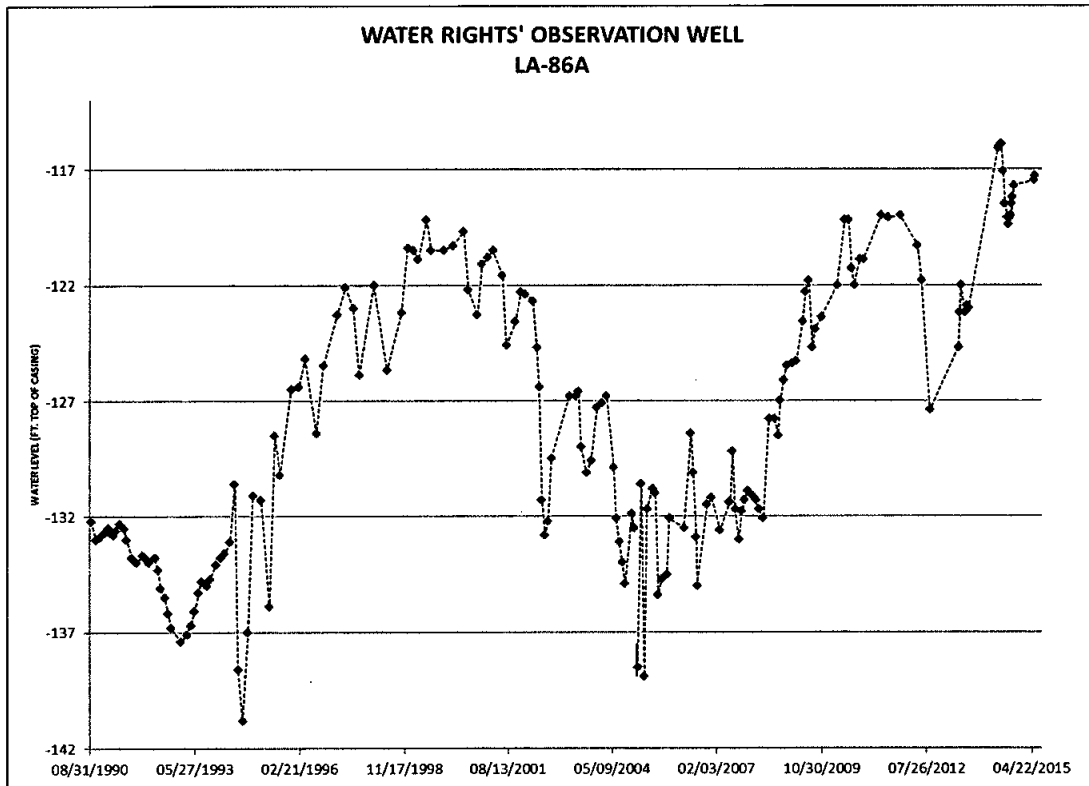


Figure 1: Observation Well LA-86A (Water Rights, 2015a)

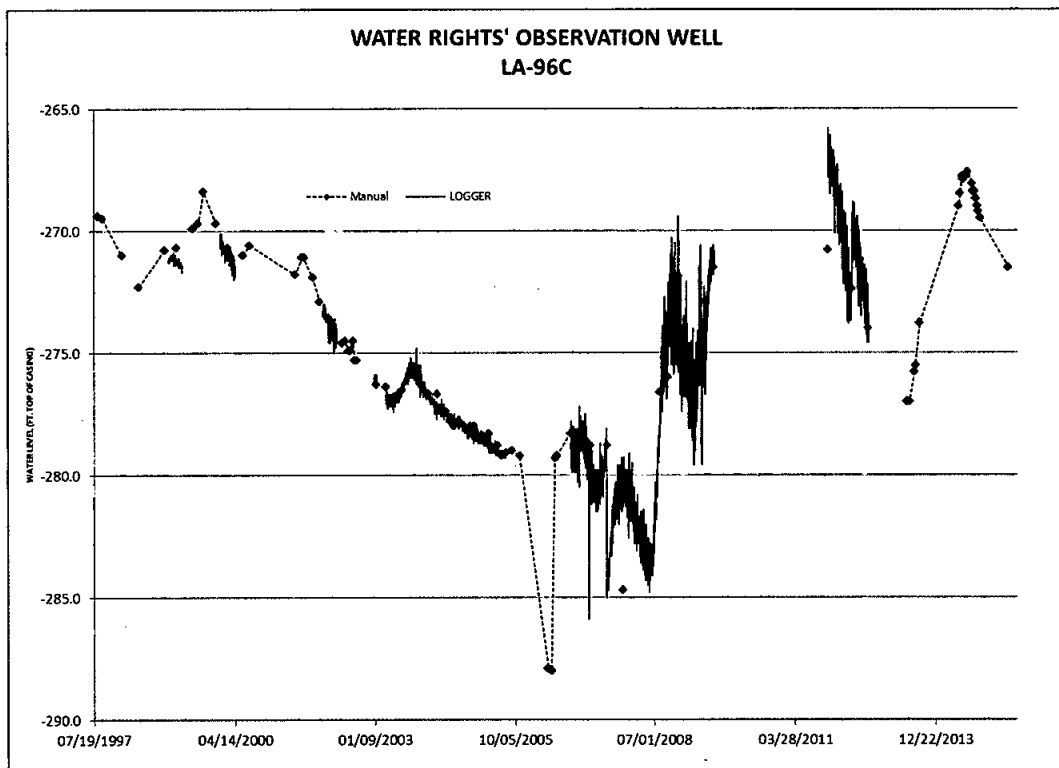


Figure 2: Observation Well LA-96C (Water Rights, 2015a)

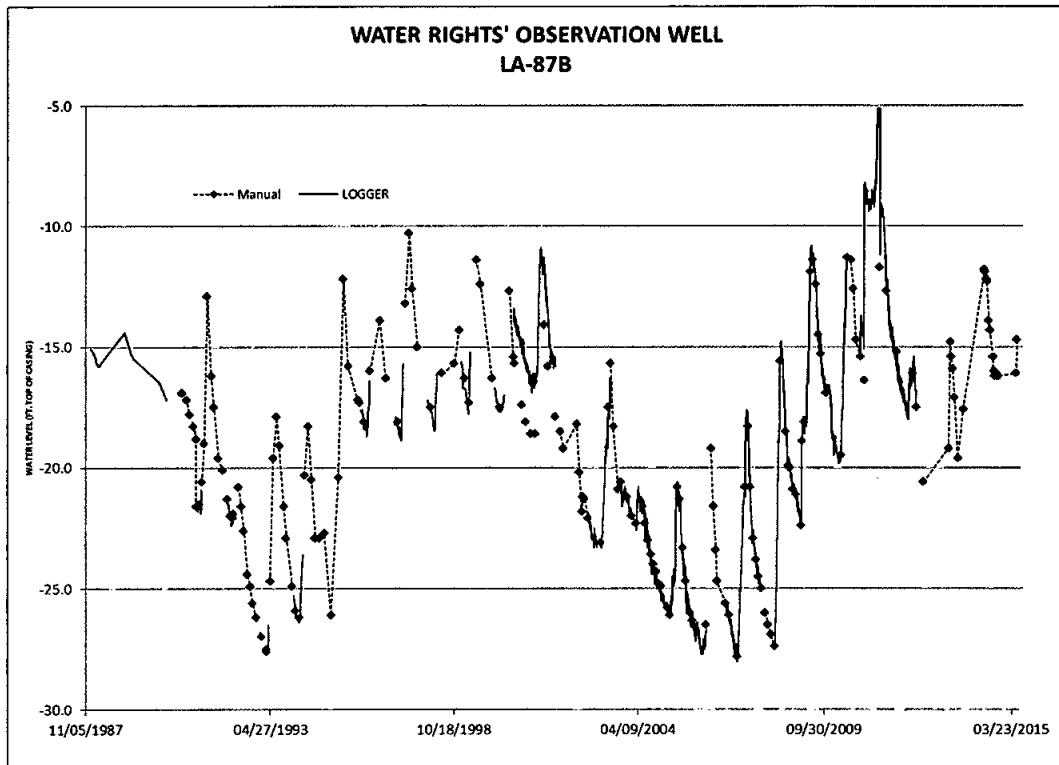


Figure 3: Observation Well LA-87B (Water Rights, 2015a)

The upper system well is located in the NW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 6-T6N-R2E and the lower system well is located in the NE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 1-T6N-R1E. The well completion report for the upper well indicates that the well depth is 806 feet, and at the time of completion (1/17/2008) the static water level was 425 feet below grade. The well completion report for the lower well indicates that the well was drilled in 1972 and has a depth of 615 feet. Both of these wells are under confined conditions. The preliminary engineering report that accompanied Water Permit Application No. 1950-1 indicated that currently the pump capacity of the lower well was approximately 18 gpm, and the current pump of the upper well is sized to yield approximately 13 gpm (AE₂S, 2014.).

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

Pursuant to SDCL 46-2A-9, a permit to appropriate water may be issued only if there is a reasonable probability that there is unappropriated water available for 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 that are pertinent to this application.

Water Availability

Water Permit Application No. 1953-1 proposes to appropriate water from the Minnelusa aquifer. 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. An application may be approved, however, for withdrawals of groundwater from any groundwater formation older than or stratigraphically lower than the greenhorn formation in excess of the average estimated annual recharge for use by water distribution systems.” Here, the Minnelusa aquifer is older than the Greenhorn Formation. Additionally, pursuant to SDCL 46-1-6 (17) a water distribution system is defined as “a system of piping, valves, storage tanks, pumps, and appurtenances by which water is conveyed for domestic or municipal use by a common distribution system, including a municipality as defined in § 9-1-1, a nonprofit rural water supply company as defined in § 10-36A-1, a water user district as defined in § 46A-9-2, a sanitary district as defined in chapter 34A-5, or homes, including mobile homes as defined in § 32-3-1, and manufactured homes as defined in § 34-34A-1.1 supplied by a common distribution system.” In considering the water use for this application in relation to this definition, a suburban housing development falls under this definition as either homes supplied by a common distribution system or domestic use conveyed by a common distribution system. Therefore, as a result of the exception provided in SDCL 46-6-3.1 the recharge/withdrawal issue need not be considered in the case of this application.

Existing Water Rights/Permits

The approximate diversion points for water rights/permits completed into the Minnelusa aquifer in the area of these wells are shown in Figure 4. The nearest water right/permit to these wells is Water Right No. 1500-1 for a housing development located about 0.7 miles northeast of the lower well and 1.3 miles to the northeast of the upper well. The majority of well completion reports on file with the SDDENR-Water Rights Program within two miles of the wells sites for this application appear to be completed into the Minnelusa aquifer. Since both wells for this application are currently being utilized by Wild Turkey Estates, an increase in any current drawdown experienced by users of the aquifer is not expected as a result of this application. Additionally with the completion of the planned Madison well a decrease in the use of the upper system Minnelusa well is expected, since the planned Madison well will serve as the primary well for the upper system. Since the Minnelusa aquifer is under confined conditions at the location of the wells for this application, some drawdown as a result of pumping is likely occurring. The precise amount and radius of which cannot be quantified without aquifer testing. However, due to the relatively low diversion rates involved drawdown is not expected to adversely impact existing adequate wells.

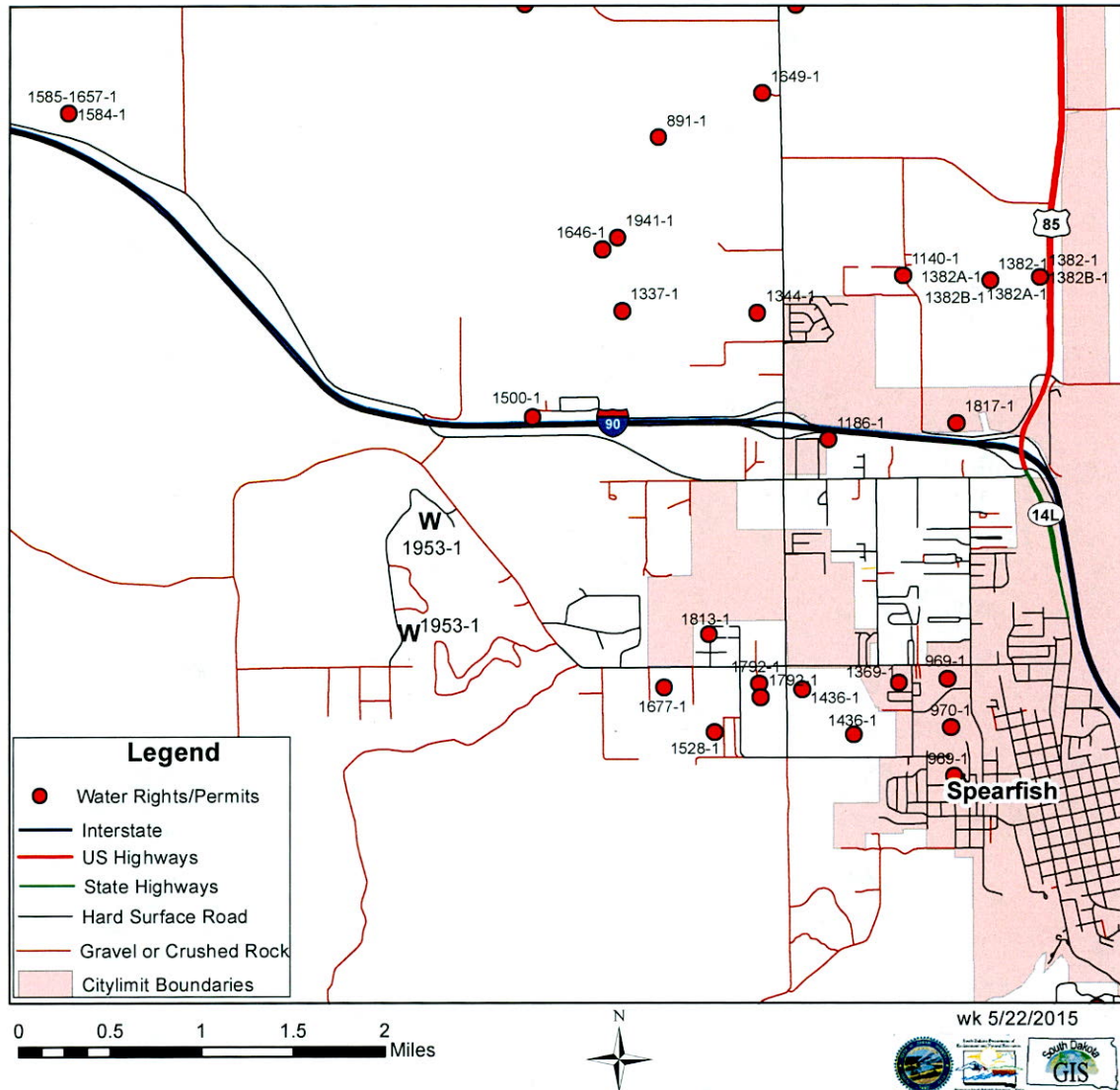


Figure 4: Approximate diversion points for water rights/permits completed into the Minnelusa aquifer in the area of this application (Water Rights, 2015b). The northern well serves the lower system and the southern well serves the upper system.

An adequate well as defined by South Dakota Administrative Rules is “a well constructed or rehabilitated to allow various withdrawal methods to be used, to allow the inlet to the pump to be placed not less than 20 feet into the saturated aquifer or formation material when the well is constructed, or to allow the pump to be placed as near as possible to the bottom of the aquifer as is practical if the aquifer thickness is less than 20 feet.” In the past the Water Management Board has recognized that to place water to maximum beneficial use a certain amount of drawdown may occur. ARSD 74:02:04:20(7) defines an adversely impacted domestic well as an adequate well in which “the water level of the aquifer has declined to a level that the pump will no longer deliver sufficient water for the well owner’s needs.” In the case of Water Permit Application No. 2313-2 for the Coca-Cola Bottling Company of the Black Hills the Water Management Board

adopted findings that noted that if the increased costs or decreased production as a result of the impacts of legitimate users on artesian head pressure could be considered an adverse impact it would conflict with SDCL 46-1-4 (Water Rights, 1995). SDCL 46-1-4 requires the water resources of the state be put to beneficial use to the maximum extent of which they are capable (Water Rights, 1995). Additionally pursuant to SDCL 46-6-6.1 artesian head pressure is not protected as a means of groundwater delivery.

Conclusions

1. Water Permit Application Number 1953-1 proposes to appropriate water from the Minnelusa aquifer at a maximum rate of 0.07 cfs and maximum annual rate of 6.75 acre-feet per year for a suburban housing development.
2. Water is to be diverted from two existing wells 615 and 806 feet deep located in the NW ¼ NW ¼ Section 6-T6N-R2E and NE ¼ SE ¼ Section 1-T6N-R1E.
3. Since the Minnelusa aquifer is older than the Greenhorn Formation and a water distribution system is involved, the recharge/withdrawal issue need not be considered.
4. This application is not expected to adversely impact existing adequate wells.



Whitney Kilts

SDDENR-Water Rights Program

Approved by



Ken Buhler

SDDENR-Water Rights Program

References

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RECEIVED

JUN 15 2015

WATER RIGHTS
PROGRAM

Affidavit of Publication

STATE OF SOUTH DAKOTA:

COUNTY OF LAWRENCE:

Letitia Lister of said County and State being first duly sworn, on her oath says: That the BLACK HILLS PIONEER is a legal daily newspaper of general circulation, printed and published in the City of Spearfish, in said County and State by Letitia Lister, and has been such a newspaper during the times hereinafter mentioned; and that said newspaper has a bonafide circulation of at least 200 copies weekly, and has been published within said County in the English language for at least one year prior to the first publication of the notice herein mentioned, and is printed in whole or in part in an office maintained at the place of publication; and that I, Letitia Lister, the undersigned, am the Publisher of said newspaper and have personal knowledge of all the facts stated in this affidavit; and that the advertisement headed:

Notice Of Application
No. 1953-1

a printed copy of which is hereto attached, was printed and published in said newspaper for 1 successive and consecutive weeks, the first publication being made on the 11th day of June, 2015 and the last publication on the _____ day of _____, that the full amount of fees charged for publishing same, to-wit: The sum of \$ 24.87, insures solely to the benefit of the publisher of the BLACK HILLS PIONEER, that no agreement or understanding for a division thereof has been made with any person and that no part thereof has been agreed to be paid to any other person whomsoever.

[Signature]
Subscribed and sworn to before me this 11th day of June, 2015

[Signature]
Notary Public, Lawrence County, South Dakota
My commission expires: 10-24-2016

NOTICE OF APPLICATION NO. 1953-1 to Appropriate Water

Notice is given that Wild Turkey Estates Homeowners Association, c/o Bill Tysdal, President, 19939 Gobbler Rd, Spearfish SD 57783 has filed an application for a water permit to appropriate 0.07 cubic feet of water per second (6.75 acre-feet annually) from two existing wells completed into the Minnelusa Aquifer (615 and 806 feet deep) located in the NW 1/4 NW 1/4 Section 6-T6N-R2E and NE 1/4 SE 1/4 Section 1-T6N-R1E to supply a suburban housing development use which is located in portions of the E 1/2 Section 1-T6N-R1E, W 1/2 Section 6-T6N-R2E and the SW 1/4 SW 1/4 Section 31-T7N-R2E.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 1953-1 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest. In accordance with SDCL 46-2A-23, the Chief Engineer will act on this application, as recommended, unless a petition is filed opposing the application or the applicant files a petition contesting the Chief Engineer's recommendation. If a petition opposing the application or contesting the recommendation is filed, then a hearing will be scheduled and the Water Management Board will consider this application. Notice of the hearing will be given to the applicant and any person filing a petition.

Any person interested in opposing or supporting this application or recommendation must file a written petition with BOTH the applicant and Chief Engineer. The applicant must file a petition if contesting the Chief Engineer's recommendation. The Chief Engineer's address is "Water Rights Program, Foss Building, 523 E Capitol, Pierre SD 57501 (605 773-3352)" and the applicant's mailing address is given above. A petition filed by either an interested person or the applicant must be filed by June 22, 2015.

The petition may be informal, but must include a statement describing the petitioner's interest in the application, the petitioner's reasons for opposing or supporting the application, and the signature and mailing address of the petitioner or the petitioner's legal counsel, if legal counsel is obtained. Information concerning this application is available at <http://denr.sd.gov/public>. Contact Eric Gronlund at the above Water Rights Program address to request copies of information pertaining to this application. Steven M. Pirmer, Secretary, Department of Environment and Natural Resources.

Published once at the total approximate cost of \$24.42.

#499
June 11



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.**

June 4, 2015

Wild Turkey Estates Homeowners Association
Bill Tysdal- President
19939 Gobbler Rd
Spearfish SD 57783

Dear Mr. Tysdal:

Water Permit Application No. 1953-1 for suburban housing development use has been examined and found to comply with the South Dakota Water Laws and applicable rules. A notice has been sent to the Black Hills Pioneer printed at Spearfish SD (Ph # 605-642-2761). 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: Mark Stadel, PO Box 454, Spearfish SD 57783

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.



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

denr.sd.gov

June 4, 2015

Black Hills Pioneer
PO Box 7
Spearfish SD 57783

ATTENTION: Legal Public Notice

Enclosed is a Notice on Application No. 1953-1 to Appropriate Water. Please publish the notice once on June 11, 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 Wild Turkey Estates Homeowners Association, c/o Bill Tysdal, President, 19939 Gobbler Rd, Spearfish SD 57783 (Ph # 605-722-8905).

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,

A handwritten signature in cursive script that reads 'Eric Gronlund'.

Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures

Instruction to Newspaper - Publish the Notice on June 11, 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 APPLICATION NO. 1953-1 to Appropriate Water

Notice is given that Wild Turkey Estates Homeowners Association, c/o Bill Tysdal, President, 19939 Gobbler Rd, Spearfish SD 57783 has filed an application for a water permit to appropriate 0.07 cubic feet of water per second (6.75 acre-feet annually) from two existing wells completed into the Minnelusa Aquifer (615 and 806 feet deep) located in the NW 1/4 NW 1/4 Section 6-T6N-R2E and NE 1/4 SE 1/4 Section 1-T6N-R1E to supply a suburban housing development use which is located in portions of the E 1/2 Section 1-T6N-R1E, W 1/2 Section 6-T6N-R2E and the SW 1/4 SW 1/4 Section 31-T7N-R2E .

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 1953-1 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest. In accordance with SDCL 46-2A-23, the Chief Engineer will act on this application, as recommended, unless a petition is filed opposing the application or the applicant files a petition contesting the Chief Engineer's recommendation. If a petition opposing the application or contesting the recommendation is filed, then a hearing will be scheduled and the Water Management Board will consider this application. Notice of the hearing will be given to the applicant and any person filing a petition.

Any person interested in opposing or supporting this application or recommendation must file a written petition with BOTH the applicant and Chief Engineer. The applicant must file a petition if contesting the Chief Engineer's recommendation. The Chief Engineer's address is "Water Rights Program, Foss Building, 523 E Capitol, Pierre SD 57501 (605 773-3352)" and the applicant's mailing address is given above. A petition filed by either an interested person or the applicant must be filed by June 22, 2015.

The petition may be informal, but must include a statement describing the petitioner's interest in the application, the petitioner's reasons for opposing or supporting the application, and the signature and mailing address of the petitioner or the petitioner's legal counsel, if legal counsel is obtained. Information concerning this application is available at <http://denr.sd.gov/public>. Contact Eric Gronlund at the above Water Rights Program address to request copies of information pertaining to this application. Steven M. Pirner, Secretary, Department of Environment and Natural Resources.

Published once at the total approximate cost of_____.



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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PIERRE, SOUTH DAKOTA 57501-3182

denr.sd.gov

AUG 04 2015

Wild Turkey Estates Homeowners Assn
Bill Tysdal - President
PO Box 454
Spearfish SD 57783

Dear Mr. Tysdal:

Enclosed is Water Permit No. 1953-1 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

Report of Examination of Works and/or Application of Water to Beneficial Use For Permit No. 1953-1

I have this day, July 21, 2017, made a thorough examination of the water use system constructed by Wild Turkey Estates Home Owners Association, % David Nuenke, 19954 Gobbler Rd., Spearfish, SD 57783 of Permit No. 1953-1, bearing the priority of 4/17/2015 authorizing the diversion of 0.07 cu. ft. per second of water from two wells for suburban housing purposes, in Lawrence County.

Inspection contact & relationship to permit holder, if applicable: **Cris Mellot, water system manager**
208-660-6187

A. Works used to divert the water:

Well Information:

- 1) Well Drilling Firm: Graf Drilling (1972)
- 2) Well No. north (lower) well
- 3) Depth 615 feet
- 4) Well log Yes

Well Drilling Firm: Ellingson Drilling (2008)

Well No. south (upper) well

Depth 806 feet

Well log Yes

Casing:

- 1) Diameter 8" 0 - 197', 6" 197- 407'
- 2) Length 407 feet
- 3) Type used iron

Diameter 5 inches

Length 560 feet

Type PVC

Screen:

- 1) Type open hole
- 2) Length 208 feet
- 3) Static water level 50 feet
- 4) Completion test 50 gpm @ 260'

Type open hole

Length 246 feet

Static water level 425 feet

Completion test 16 gpm @ 700'

Pump:

- 1) Make unknown
- 2) Model unknown
- 3) Size 4"
- 4) Capacity 18 GPM (not metered)
- 5) Horsepower rating 1 1/2 hp

Make unknown

Model unknown

Size 4"

Capacity 13 GPM (not metered)

Horsepower rating 3 hp

Note: pump capacities based on rates stated in 2014 engineering report on file for Wild Turkey Estates.

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

- 1) Type PVC
- 2) Size various inches
- 3) Length various feet

C. Works used to apply water to beneficial use:

The north well serves the lower system consisting of 12 of the 50 lots in the Wild Turkey Estates. The well delivers water to a 25,000 gallon concrete reservoir west of the well and 130' higher. The reservoir gravity feeds to a duplex booster pump station which increases the 55 psi. reservoir static pressure to 75 psi discharge.

The south well which originally served the upper system in Wild Turkey Estates is now used only as a standby source for the upper system since the successful completion of a Madison well in 2015 which has adequate capacity to meet needs for the upper system. If the south well is put into use in the event of problems with the 2015 well, then both of the wells authorized under Permit #1953-1 would be operating simultaneously.

D. Compliance with Permit Requirements:

- 1) Permit qualifications being abided by Yes
- 2) Exceptions to compliance are: none

E. Condition and Location:

1. The system is in good condition with the points of diversion located as follows:

1972 (north) Well

544' S and 469' E of the NW corner Section 6 T6N R2E (44.516355, -103.92910)

2008 (south) Well

1,362' N and 209' W of the SE corner Section 1 T6N R1E (44.507175, -103.931639)

2. The works are capable of diverting and conveying to the place of use .07 cu. ft. per second (**31 gpm**) of water which is to be used for **suburban development** use and the license should be issued for **.07 cfs**.
3. All structures, wells and lands on map – **No, wells and storage only**

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

Wild Turkey Estates HOA also holds Water Permit #1950-1 for one additional well.



Steven Quissell
Water Rights Inspector
DENR, Water Rights Program

Date report completed: July 25, 2017

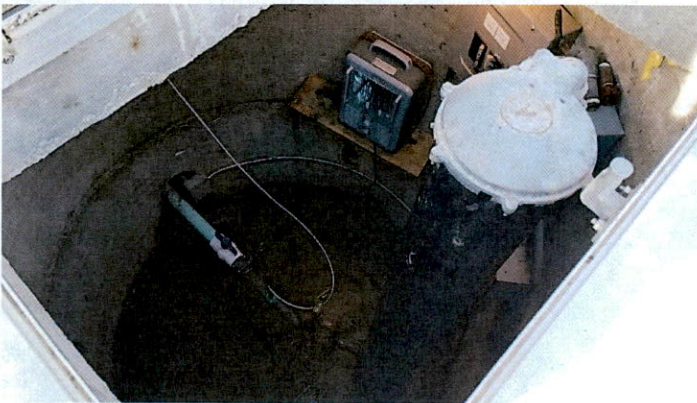
Report of Examination of Works
Permit No. 1953-1



South well pit (1972) and shelter for chlorinator



Booster pit for lower system with well pit in background



1972 well for lower system



2008 well for upper system (standby)

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

MAIL TO: PMB 2020
DENR - Water Rights Program
523 E Capitol Ave
Pierre, SD 57501-3182
ph. (605) 773-3352

Date

7/21/17

FROM:

Bill Tysdal Chris Mewatt

(name)

19960
19989Gobber Road

(address)

Spanish

(city)

S.D.

(state)

57783

(zip)

208-660-6187
605-722-8905

(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. 1950-1 1953-1 states that the water use system is to be constructed by

5/26/20206/27/2020

(date)

, and water is to be put to beneficial use by

5/26/20246/22/2024

(date)

The water use system was completed on

7/15/15

(date)

Applying the water to beneficial use was completed on

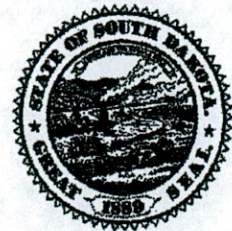
7/15/15

(date)

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

X Bill Tysdal Chris Mewatt

X Cris Mewatt



Water Rights #1950-1 and #1953-1
Wild Turkey Estates Home Owners Assn.
July 21, 2017

Sec.35
T007N
R01E

Sec.36
T007N
R01E

Sec.31
T007N
R02E

Sec.32
T007N
R02E

Sec.2
T006N
R01E

Sec.1
T006N
R01E

Sec.6
T006N
R02E

Sec.5
T006N
R02E

Permit #1950-1
Lat: 44.507089

2015 Well
Lon: -103.932176

46,000 gal. storage

Permit # 1953-1 2008 Well
Lat: 44.507175 Lon: -103.931639

Permit # 1953-1 1972 well
Lat: 44.516355 Lon: -103.92910

25,000 gal. storage

469'

544'

209'

355'

1,355'

1,362'

Sec.11
T006N
R01E

Steven Quissell
Water Rights Inspector
DENR Water Rights Program

Sec.12
T006N
R01E

Sec.7
T006N
R02E

Sec.8
T006N
R02E

Steven Quissell

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, Aero
Gmapping, AeroGRID, IGN, IGP, swisstopo, and the GIS User Community

1953-1



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

MAY 29 2018

1950-1
1953-1

David Nuenke
Wild Turkey Estates Home Owners Association
19954 Gobbler Rd
Spearfish SD 57783

Dear Mr. Nuenke:

Enclosed are Water License Nos. 1950-1 and 1953-1. They are the final water right documents completing the process of obtaining Water Rights. Included with the licenses is a map prepared by the staff engineer who conducted the field investigation.

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

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

Sincerely,

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

enclosures

c: Cris Mellott, Water Operator, 19960 Gobbler Rd, Spearfish SD 57783

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 1953-1

(1) Wild Turkey Estates Homeowners Association, 19954 Gobbler Rd, Spearfish SD 57783 made Application No. 1953-1, April 17, 2015 for a water permit to divert 0.07 cubic feet of water per second from ground water, two wells (Minnelusa Aquifer), Lawrence County, South Dakota for suburban housing development purposes. Permit No. 1953-1, with a priority date of April 17, 2015 was approved June 22, 2015 and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before June 22, 2020 and for the application to beneficial use of said water on or before June 22, 2024.

The Permit holder submitted a "*Notice of Completion of Works and Application of Water to Beneficial Use*" on July 21, 2017. The "*Notice*" stated the water use system was completed and the water placed to beneficial use in July, 2015.

(2) It is certified that the permit holder has complied with the provisions of South Dakota State Law relating to completion of the construction of the water supply system and is entitled to divert 0.07 cubic feet of water per second for beneficial use. The location of the diversion points are:

- North well: 544'S and 469'E of the NW corner of Section 6, T6N, R2E (NW ¼ NW ¼ Section 6) (44.516355, -103.92910)
- South well: 1,362'N and 209'W of the SE corner of Section 1, T6N, R1E (NE ¼ SE ¼ Section 1) (44.507175, -103.931639)

The home owners association also holds Water Right No. 1950-1 authorizing one well in the Madison Aquifer.

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

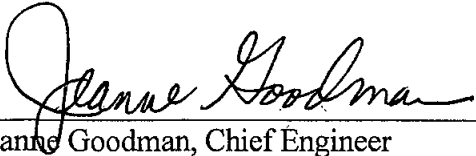
(4) Pursuant to South Dakota Water Law 46-5-30.1 Wild Turkey Estates Homeowners Association, 19954 Gobbler Rd, Spearfish SD 57783 the holder and/or owner of Water Right No. 1953-1 is issued a license to appropriate water, the right to use 0.07 cubic feet of water per second from ground water, two wells (Minnelusa Aquifer) with a priority date of April 17, 2015 from the locations specified in (2) of this license for suburban housing development purposes.

This license is subject to South Dakota Water Law, any limitations or conditions listed in Water Right No. 1953-1 and subject to the following qualifications:

- The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
- Water Permit No. 1953-1 is limited to a total annual diversion of 6.75 acre feet of water from the Minnelusa Aquifer.

continued

- Wild Turkey Estates Homeowners Association shall report to the Chief Engineer annually the amount of water withdrawn from the Minnelusa aquifer.



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

MAY 29 2018

date

