

WATER PERMIT NO. 7473-3

Name of Applicant: Gregg Hanson

Address: 47568 SD Hwy 50, Elk Point SD 57025

Phone: 605 356-2468

Amount of Water Claimed: 1.78 cfs

Total Acres: 145

Source of Water Supply: groundwater (one well)

Water to be used for: irrigation

County: Union

Type of Waste Disposal System:

Location: 6 miles north of Elk Point

PRIORITY

Date Received: 10-22-2012

Application/License Fee: \$ 1050

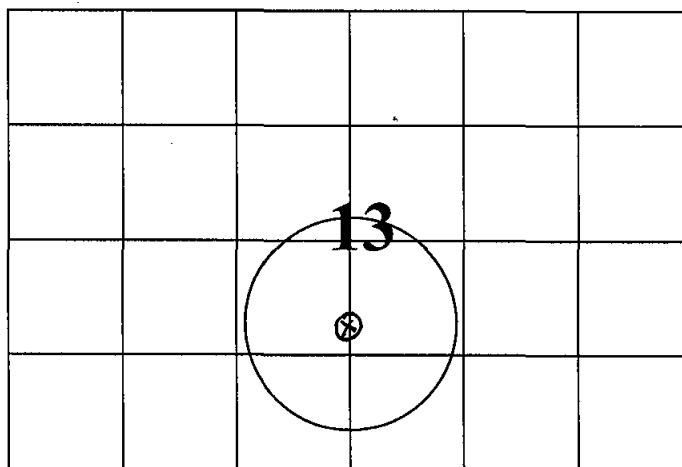
Corrected Application Received:

Period of Annual Use: March 1 – October 31

Remarks:

Diversion Point: on the quarter line between the
NE 1/4 SW 1/4 and NW 1/4 SE 1/4 Sec 13-T92N-
R50W

Land to be Irrigated: SE 1/4 NW 1/4, SW 1/4 NE
1/4, E 1/2 SW 1/4, W 1/2 SE 1/4 Sec 13-T92N-
R50W



Depth of Well: 170

Well Driller:

Remarks:

Type of Map: aerial

Prepared by: Kevin Beermann, Union Co NRCS

Reviewed and the Number Assigned on: 10-23-12

By: Karen Schlaak

Notice of Hearing - date to intervene: _____

FORM 2: Application for irrigation in South Dakota
(type or print)

Mail to: PMB 2020 DENR - Water Rights 523 E Capitol Ave Pierre, SD 57501-3182 ph. (605) 773-3352	No. <u>7473-3</u> (office use only) Hydrologic Unit <u>10170101</u>
	Basin <u>Vermillion River</u> <u>605-356-2632</u>
	Newspaper <u>Leader-Courier Box 310 Elk Point 57025</u>
	<u>Press & Dakotan 319 Walnut Junction 57078/605-665-7811</u>

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OCT 22 2012
WATER RIGHTS
PROGRAM

Application For Permit To Appropriate Water For Irrigation

Type of Application: ☒ New ☐ Vested Right ☐ Amendment/Correction to Permit No. _____
(Use predates Mar 2, 1955)

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

1. Name to Appear on Irrigation Permit Gregg Hanson

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

(name and complete address if different than above name)

Mailing Address 47568 SD HWY 50 Elk Point SD 57025
(Address) (City) (State) (Zip Code)

Home Phone 605.356.2468 Cell 712.281.3205 Email greggh12@evertek.net

2. Amount of water claimed 1.78 *CFS or 800 **GPM ***AF Total Acreage 145
(*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout or annual use if applicable)

3. Source of water supply Missouri Aquifer

4. Location of point of diversion section 13-T92N-R50W on quarter line between
(example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W)
NE 1/4 SW 1/4 and NW 1/4 SE 1/4 County Union

5. County or counties where water will be used Union

6. Annual period during which water is to be used March 1 - October 31

7. List below each forty acre division, or lot, or fraction thereof and show number of acres to be irrigated in each.
(Attach sheet if more space is needed)

Land Description	Acres	Land Description	Acres
SE1/4 NW1/4 section 13-T92N-R50W	12.5		
SW1/4 NE1/4 section 13-T92N-R50W	12.0		
E1/2 SW1/4 section 13-T92N-R50W	60.5		
W1/2 SE1/4 section 13-T92N-R50W	60.0		

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

Center pivot irrigation of properties described above.

I, Gregg Hanson, 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. 7473-3**

Date of first receipt of application October 22, 2012.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 7473-3 to Gregg Hanson, 47568 Hwy 50, Elk Point SD 57025 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. 7473-3 appropriates 1.78 cubic feet of water per second from one well to be completed into the Missouri:Elk Point Aquifer (170 feet deep) located on the quarter line between the NE 1/4 SW 1/4 and the NW 1/4 SE 1/4 Section 13 for irrigation of 145 acres located in the SE 1/4 NW 1/4, SW 1/4 NE 1/4, E 1/2 SW 1/4, W 1/2 SE 1/4 Section 13; all in T92N-R50W.
2. The amount of the appropriation may not exceed 2 acre feet annually for each acre of land to which water is actually and beneficially applied for irrigation. The water is to be used during the following described annual period: March 1 – October 31.
3. The date from which applicant may claim right is October 22, 2012.
4. The date of approval of Permit No. 7473-3 is January 22, 2013.
5. One-fifth of the construction is to be completed on or before July 22, 2015.
6. All construction is to be completed on or before January 22, 2018.
7. Water is to be put to beneficial use on or before January 22, 2022.
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 well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
2. The well authorized by Permit No. 7473-3 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. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

WATER MANAGEMENT BOARD

By: Garland Erbele

Garland Erbele, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

FEB 19 2013
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 0 Have test holes been drilled ☐ Yes ☒ No Drilled by NA
(if yes, please provide copies of logs)

b) If existing wells, how many 0 Provide copy of log(s), if available. Drilled by NA

c) Well Depth 170' Depth to Top of Water Bearing Material 105' Depth to Water from Surface 90'

d) Distance to nearest existing domestic well:

On applicant's property NA On property owned by others >2500'

2. Wastewater Disposal System Information

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

b) System Capacity (gallons) _____ Year Constructed _____

c) Connected to the City of _____ Sanitary System

3. Dugout Information

a) Surface Dimensions _____ Depth _____

b) Depth to water (ground surface to water level) _____

4. Water Storage Dams

If the proposed water use system contains one or more storage dams, please furnish the information requested below for each dam. The locations of the dams need to be shown on the map submitted with the application.

a) If a private engineering firm or government agency was involved in the design of this dam, please give their name and address:

b) Freeboard _____

c) Crest Width _____

Crest Length _____

d) Height _____

e) Primary Outlet Capacity _____

If pipe, diameter _____

f) Secondary Spillway Capacity _____

Spillway Width _____

g) X & Y Slope (e.g. 3 to 1 is a typical slope)

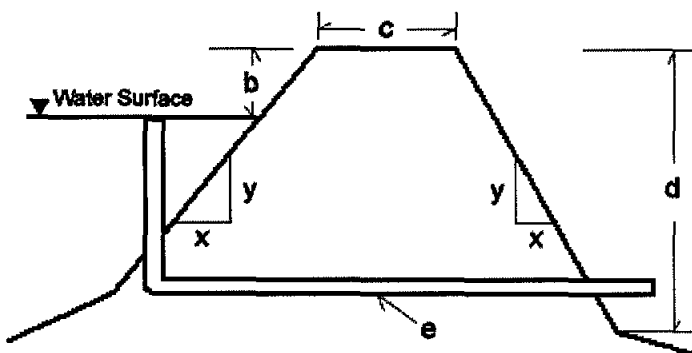
Upstream _____

Downstream _____

h) Surface Area of Impoundment _____

i) Storage _____ Acre Feet

j) Drainage Area Above Dam _____ Acres



IRRIGATION PERMIT PLAN MAP

Date: 10/16/2012

Customer(s): CHAD WAYNE HECKATHORN
District: UNION COUNTY CONSERVATION DISTRICT
Approximate Acres: 147
Legal Description: Section 13-92-50

Field Office: ELK POINT SERVICE CENTER
Agency: NRCS
Assisted By: KEVIN BEERMANN
State and County: SD, UNION



Kevin Beermann
RCT

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OCT 22 2012

WATER RIGHTS
PROGRAM



Legend

- irrigation
- well(Point)
- Buffer_Output.shp
- Sections

420 0 420 840 1,260 1,680
Feet



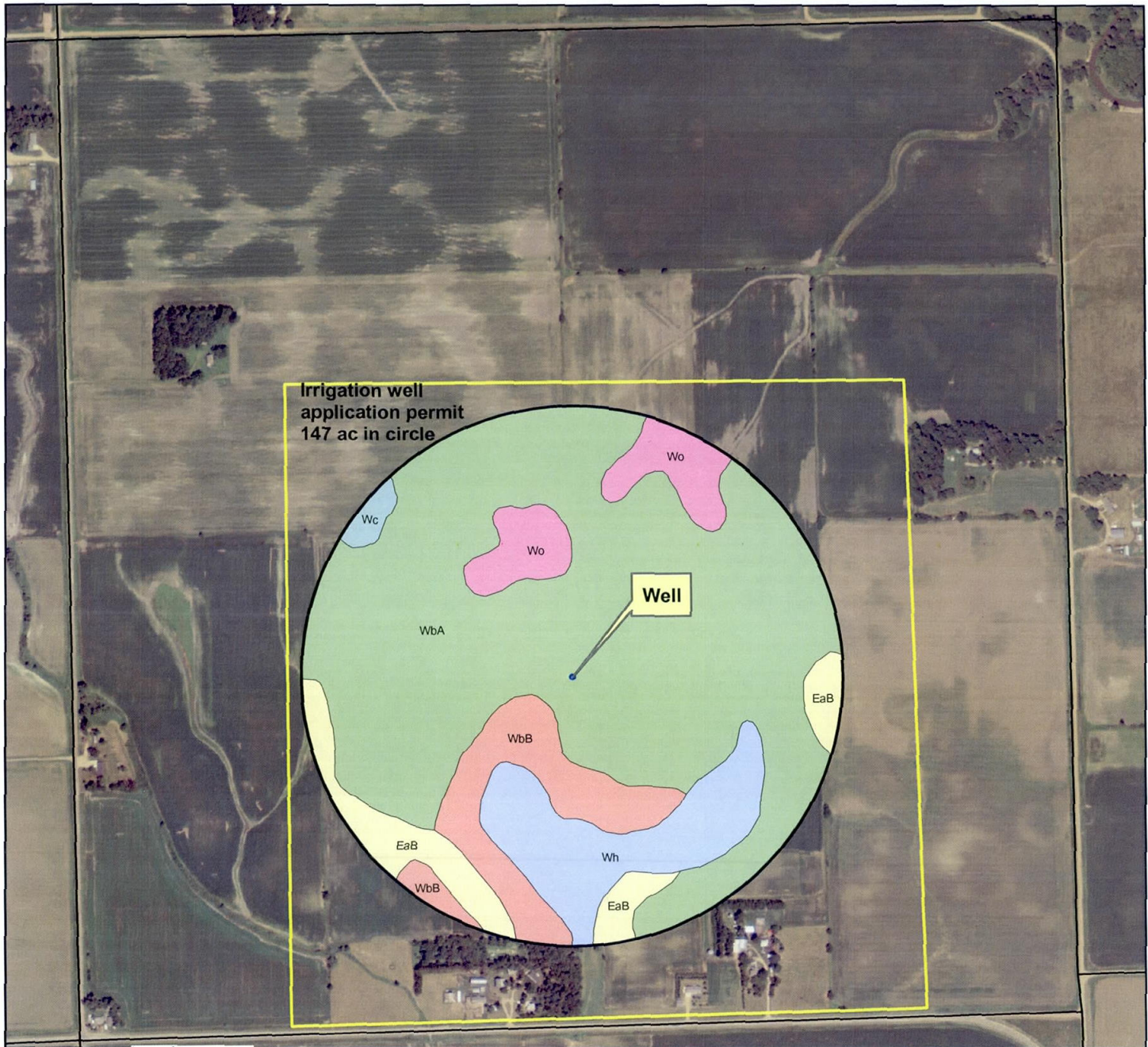
IRRIGATION PERMIT PLAN MAP

soils map

Date: 10/16/2012

Customer(s): CHAD WAYNE HECKATHORN
District: UNION COUNTY CONSERVATION DISTRICT
Approximate Acres: 147
Legal Description: Section 13-92-50

Field Office: ELK POINT SERVICE CENTER
Agency: NRCS
Assisted By: KEVIN BEERMANN
State and County: SD, UNION



Legend

- Irrigation
- well(Point)
- Buffer_Output.shp

Soils Map

- <all other values>

MUSYM

- EaB
- WbA
- WbB
- Wc
- Wh
- Wo
- Sections

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OCT 22 2012

WATER RIGHTS
PROGRAM



420 0 420 840 1,260 1,680
Feet



RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date 10/23, 20 12

RECEIVED OF Donald M Hanson 47568 SD Hwy 50 Elk Point SD 57025

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

Fee for Application for Permit No. <u>7473-3</u> to Appropriate Water, to construct and to put water to beneficial use	850	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>7473-3</u>	200	00
Fee for Filing Transfer Form _____		
Fee for _____		
Fee for Issuing New Well Driller's License No. _____ for C.Y. _____		
Fee for Renewal of Well Driller's License No. _____ for C.Y. _____		
Fee for Issuing Well Pump Installer's License No. _____ for C.Y. _____		
Fee for Renewal of Well Pump Installer's License No. _____ for C.Y. _____		
(Any Other Work Provided by Law)	TOTAL	1050 00

No. 05632

By [Signature]
Chief Engineer

Soils Inventory Report**RECEIVED****OCT 22 2012****WATER RIGHTS
PROGRAM**

CHAD WAYNE HECKATHORN

Map Unit Symbol	Acres	Percent
EaB	10.5	7%
WbA	97.7	66%
WbB	13.8	9%
Wc	1.3	1%
Wh	15.2	10%
Wo	8.9	6%
Total:	147.4	100%

Land irrigated by this center pivot system will service the following three landowners:

72 Acres

Gregg Hanson
47568 SD Hwy 50
Elk Point, SD 57025

60.5 Acres

Wade Langle
47544 SD Hwy 50
Elk Point, SD 57025

12.5 Acres

Wally Erickson
326 Calosa Palm Court
Sun City Center, FL 33573



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

denr.sd.gov

January 3, 2013

Wade Langle
47544 SD Hwy 50
Elk Point SD 57025

Wally Erickson
326 Caloša Palm Court
Sun City Center FL 33573-6938

Gentleman:

A water right permit for irrigation in Union County, South Dakota was filed by Gregg Hanson. The application indicated that you each owned a portion of the land to be irrigated. Therefore, the Water Rights Program is sending you the report, recommendation and publication notice for the application.

If you have any questions, please feel free to contact me.

Sincerely,

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

enclosures



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

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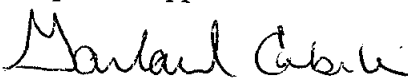
**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 7473-3, Gregg Hanson**

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. 7473-3, Gregg Hanson, 47568 SD Hwy 50, Elk Point SD 57025.

The Chief Engineer is recommending APPROVAL of Application No. 7473-3 because 1) there is reasonable probability that there is unappropriated water available for the applicant's proposed use, 2) the proposed diversion can be developed without unlawful impairment of existing rights, 3) the proposed use is a beneficial use and 4) it is in the public interest with the following qualifications:

1. The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
2. The well authorized by Permit No. 7473-3 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. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

See report on application for additional information.


Garland Erbele, Chief Engineer
December 27, 2012

REPORT ON WATER PERMIT APPLICATION NO.7473-3

Gregg Hanson

January 2, 2013

Water Permit Application No. 7473-3, Gregg Hanson, proposes to appropriate 290 acre-feet annually at a diversion rate of 1.78 cubic feet of water per second from one well to be completed into the Missouri: Elk Point Aquifer (170 feet deep) located on the quarter line between the NE 1/4 SW 1/4 and the NW 1/4 SE 1/4 Section 13 for irrigation of 145 acres located in the SE 1/4 NW 1/4, SW 1/4 NE 1/4, E 1/2 SW 1/4, W 1/2 SE 1/4 Section 13; all in T92N-R50W. The project is located in southern Union County approximately 6.5 miles north of the town of Elk Point.

AQUIFER: Elk Point management unit of the Missouri aquifer (M: EP)

GEOLOGY AND AQUIFER CHARACTERISTICS:

The proposed well site is located in southern Union County between the Missouri and Big Sioux Rivers. The Missouri: Elk Point is an alluvium mantled outwash consisting of clay and silt with sand and gravel that could be under artesian conditions in the area of the proposed well sites (Jenson, 2000; Water Rights, 2012c). The Missouri: Elk Point aquifer extends from the Missouri River to the Big Sioux River over the southern third of Union County and extends into Clay and Yankton counties. The outwash is overlain by alluvium over much of Union County and in general overlies the Dakota aquifer. Hedges and others, (1982) estimated the Missouri: Elk Point aquifer underlies 99,600 acres of Union County and contains 1,494,600 acre-feet of recoverable water in storage in the county. Niehus, (1994) estimated the aquifer underlies 180 square miles (115,200 acres) of Union County and contained 1.5 million acre-feet of water in storage in the county. The maximum thickness of the aquifer in Union County is estimated to be 146 feet and the average thickness is estimated to be 84 feet (Niehus, 1994). A test hole drilled by the DENR-Geological Survey located approximately 1/2 mile southeast of the well site proposed by this application identifies the aquifer from 19-56 feet below land surface ("Lithologic Logs Database"). The Missouri: Elk Point aquifer is under confined conditions in this area and the static water level of a well at the proposed site is expected to be 10-21 feet below.

Well completion reports were not submitted with this application; however, sufficient information is available from area water rights/permits and well completion reports to evaluate the aquifer at the proposed well sites. In this area, aquifer materials range from 50 to 200 feet below ground surface, and the static water level ranges from 5 to 110 feet below ground surface (Water Rights, 2012b; Water Rights, 2012c).

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 and pertinent to this application.

WATER AVAILABILITY:

This application proposes to appropriate 290 ac-ft/yr from the Missouri: Elk Point aquifer. If this application is approved, the actual water use will likely be less than the appropriation. 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 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."

HYDROLOGIC BUDGET:

Recharge:

Recharge to the Missouri: Elk Point aquifer in Union County is through infiltration of precipitation in areas where the aquifer is at or near land surface and from groundwater inflow from the adjacent Lower Vermillion-Missouri and Big Sioux aquifers and ground water flow from Clay County. Chemical analyses indicate that there is a hydraulic connection between the Dakota aquifer and the Missouri: Elk Point aquifer (Niehus, 1994) and the Dakota aquifer is also a source of recharge. Some recharge to the aquifer occurs from the Missouri River when the stage of the river is higher than the groundwater level. Based on an analysis of observation well data, average annual recharge to the Missouri aquifer is estimated to be 3.8 inches per year (Hedges and others, 1985). Average annual recharge for Union County would be approximately 36,480 acre-feet/yr.

Discharge:

Discharge from the Missouri: Elk Point aquifer occurs due to evapotranspiration in areas where the aquifer is near land surface, outflow to the Missouri and Big Sioux Rivers during periods of low flow, and well withdrawals from domestic use, commercial use, industrial use, fish and wildlife propagation, municipal use, recreational use, rural water systems, suburban housing development, and irrigation. Currently there are a total of 295 water rights/permits appropriating water from the Missouri: Elk Point aquifer in Union County (Water Rights, 2012b).

From the Missouri: Elk Point aquifer in Union County, water rights/permits for non-irrigation use that are limited only by the authorized diversion rate of the water rights/permits which currently total of 12.902 cfs. The amount of water that can be expected to be withdrawn by the non-irrigation use water rights/permits at the current appropriation amount can be estimated by assuming: 1) water rights/permits limited by an annual volume will pump the entire volume appropriated annually, and 2) water rights/permits limited only by diversion rate will pump at the maximum permitted diversion rate at 60 percent of the time. At the current appropriation amount, the total annual withdrawal from the Missouri: Elk Point aquifer in Union County by non-irrigation use is expected to total less than 4,860 ac-ft/yr (Water Rights, 2012b).

Figure 1 shows the Missouri: Elk Point aquifer's historic irrigation data for Union County. The development of this aquifer has been increasing over the last decade. The annual withdrawal due to irrigation use fluctuates greatly, which seems to be more dependent on yearly climatic conditions than on the increase in amount of appropriation. The average pumpage reported equals 10,801 ac-ft/yr. The maximum pumpage reported was in 1988 for 22,195 ac-ft/yr (Water Rights, 1979-2012).

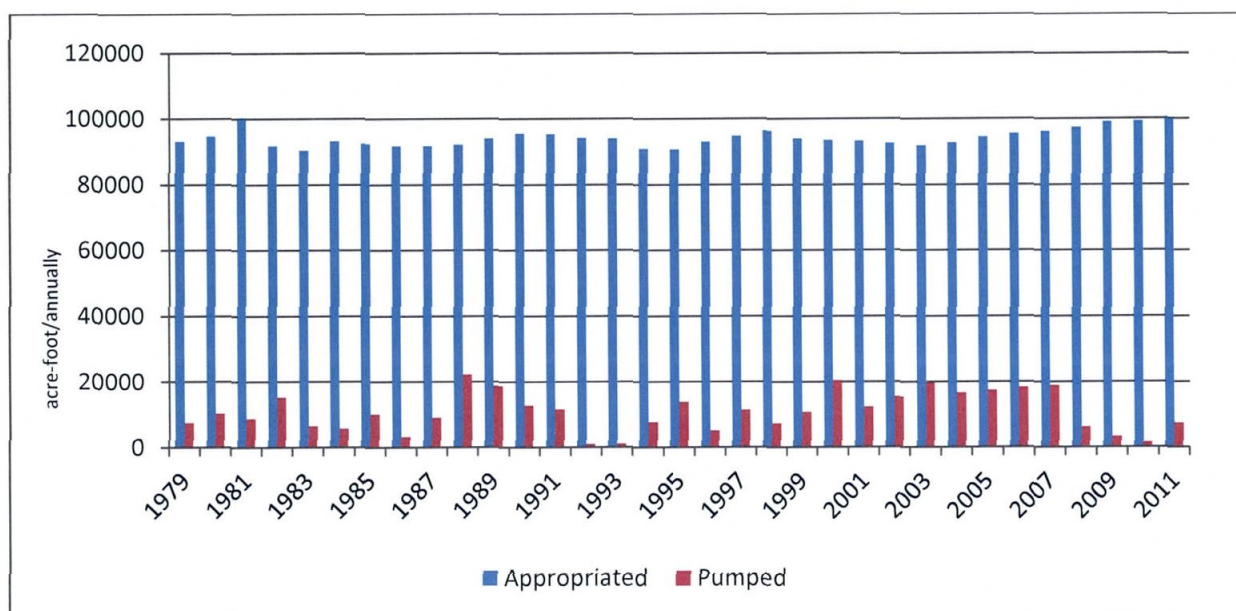


Figure 1: Historic irrigation water appropriation and reported use from the Missouri: Elk Point aquifer in Union County (Water Rights, 1979-2011)

In addition, there are many completion reports on file with the SD DENR-Water Rights Program in Union County for domestic wells that appear to be completed into the Missouri: Elk Point aquifer (Water Rights, 2012c). The annual withdrawal due to domestic use is not significant to the hydrologic budget of the aquifer.

Hydrologic Budget:

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 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 several observation wells completed into the Missouri: Elk Point aquifer in Union County. The nearest of these wells, UN-87F and UN-87G, are located approximately a 2 miles east and 5 miles south of the proposed well site, respectively. UN-87F and UN-87G are under artesian conditions (Water Rights, 2012a). The area of the proposed well sites will likely be under artesian conditions (Water Rights, 2012b; Water Rights, 2012c). Hydrographs of these observation wells and linear trend lines are shown in Figures 2 and 3.

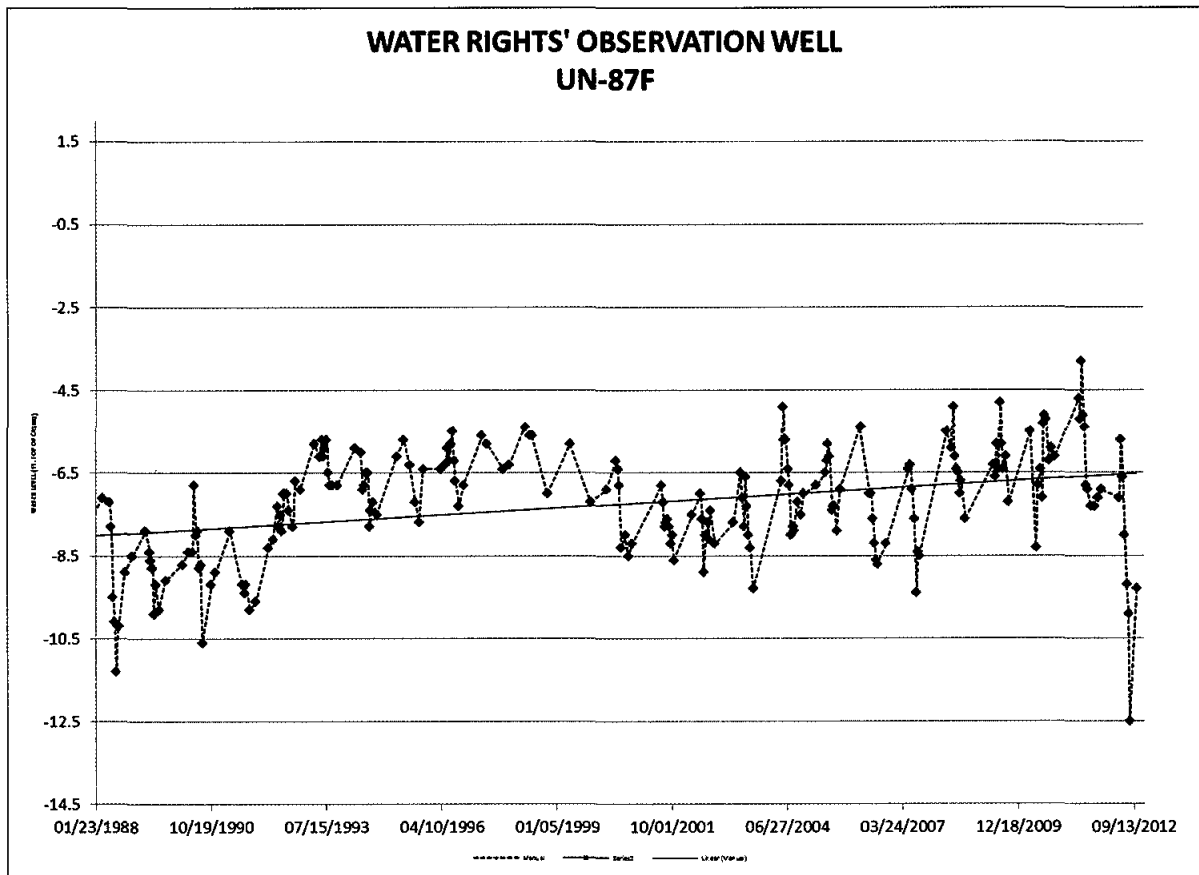


Figure 2: Hydrograph for DENR-Water Rights' observation well UN-87F (Water Rights, 2012a)

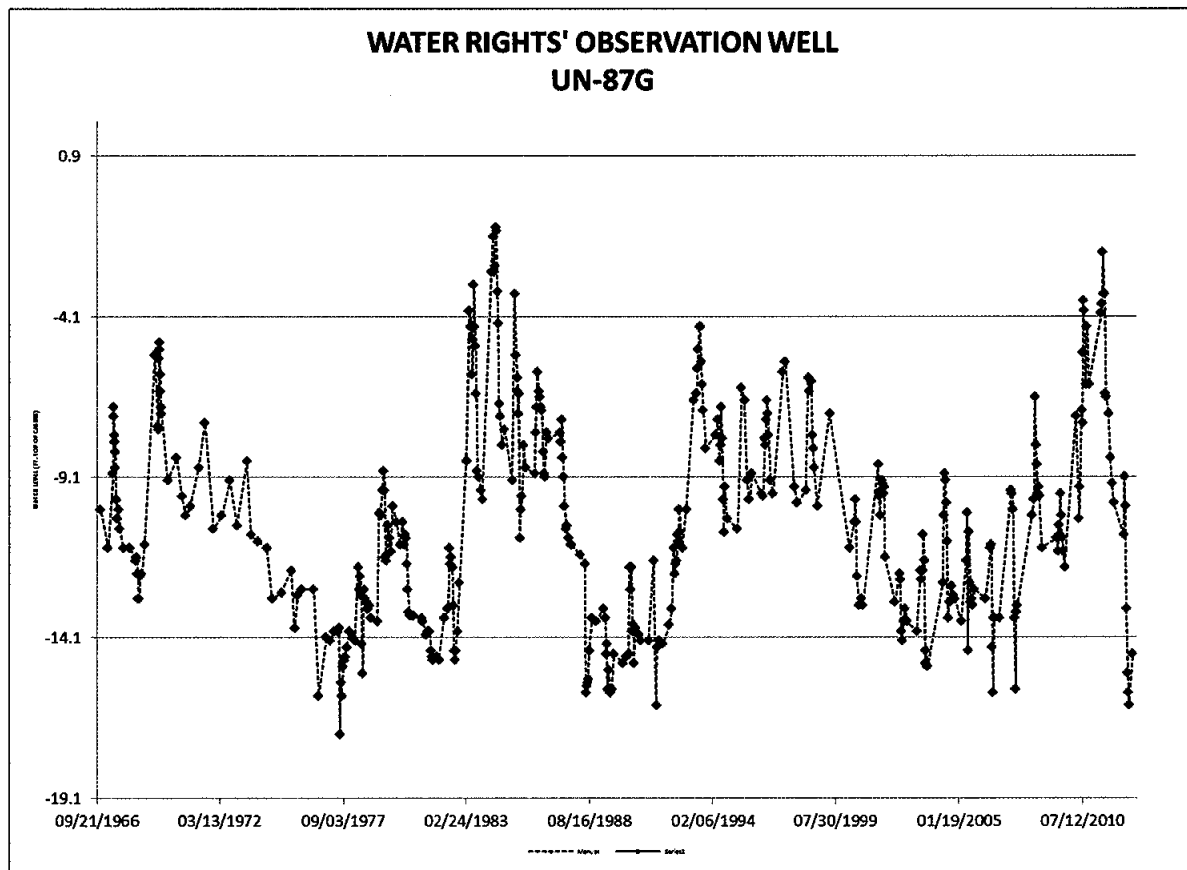


Figure 3: Hydrograph for DENR-Water Rights' observation well UN-87G (Water Rights, 2012a)

Even though the long term linear trend lines indicate a slightly rising water levels over the periods of record for each of the wells, some drawdown may occur in the Missouri Elk Point aquifer, SDCL 46-6-6.1 does not protect artesian head pressure as a means of delivery and the Water Management Board has recognized that to place water to maximum beneficial use a certain amount of drawdown may occur. In order to balance interests between irrigation use and delivery of water by artesian pressure the Water Management Board has defined an “adversely impacted domestic well” in ARSD 74:02:04:20(7) as:

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

Observation well data indicates that water levels are influenced by climatic conditions. The average annual recharge in Union County of 36,480 ac-ft/yr greatly exceeds the annual average withdrawal of 16,000 ac-ft/yr. Therefore, recharge to and natural discharge from the Missouri: Elk Point aquifer greatly exceeds well withdrawal.

EXISTING WATER RIGHTS:

There are 295 water rights/permits appropriating water from the Missouri: Elk Point aquifer in Union County. There are two water rights/permits within one mile of the proposed well site, which are shown in Table 1. (Water Rights, 2012b; Water Rights, 2012c).

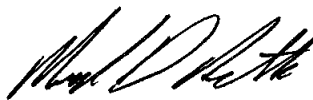
Table 1: Water rights/permits completed into the Missouri: Elk Point aquifer within two miles of the proposed well sites (Water Rights, 2012b; Water Rights, 2012c)

PERMIT NO	LAST NAME	STATUS	USE	CFS
315-3	DARMON STAUM	LC	IRR	1.94
7188-3	BRIAN DAVIS	LC	IRR	1.78

Well interference has not been a problem with the aquifer. The assurance of reasonable domestic use provided by SDCL 46-6-6.1 and ARSD 74:02:04:20(7) ensures not only that interference will not be adverse to domestic well users but also in existing appropriative rights. Depending on the characteristics of the Missouri: Elk Point aquifer at the well site, some of the existing well owners may need to lower their pumps to accommodate lower water levels. When considering SDCL 46-6-6.1 and ARSD 74:02:04:20(7), well interference from this proposed increase in diversion rate is not likely to be significant and there is a reasonable probability that any interference will not be adverse. At the distances involved between the proposed well sites and wells of existing water rights/permits and domestic users; interference is not expected to be a concern.

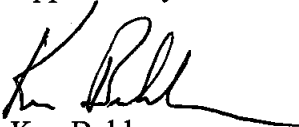
CONCLUSIONS:

1. The application proposes to appropriate 290 ac-ft/yr for irrigation from the Missouri: Elk Point Aquifer in Union County.
2. There is a reasonable probability that unappropriated water is available from the Missouri: Elk Point aquifer to supply the proposed appropriation.
3. There is a reasonable probability that this proposed well will not cause interference in existing nearby wells.



Mark D. Rath
Natural Resources Engineer
SD DENR-Water Rights Program

Approved by



Ken Buhler
Natural Resources Engineer
SD DENR-Water Rights Program

REFERENCES:

- Hedges, L.S., Burch, S.L., Iles, D.L., Barari, R.A., and Schoon, R.A. 1982. Evaluation of Ground-Water Resources Eastern South Dakota and Upper Big Sioux River, South Dakota and Iowa, Task 1: Bedrock Topography and Distribution, Task 2: Extent of Aquifers, Task 3: Ground-Water Storage, Task 4: Computerized Data Base, Final Report. U.S. Army Corps of Engineers Contract DACW 45-80-C-0185.
- Hedges, L.S., Allen, J., and Holly, D.E. 1985. Evaluation of Ground-Water Resources Eastern South Dakota and Upper Big Sioux River, South Dakota and Iowa. Task 7: Ground Water Recharge. South Dakota DENR-Geological Survey, Vermillion, SD.
- Jensen, A.R. 2000. Aquifer Materials Map 1. South Dakota DENR-Geological Survey, Vermillion, SD.
- Niehus, C.A. 1994. Water Resources of Lincoln and Union Counties, South Dakota. U.S. Geological Survey. Water-Resources Investigations Report 93-4195. Rapid City, South Dakota.
- Water Rights. 1979-2012. "Annual Irrigation Summary by Aquifer": SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, SD.
- Water Rights. 2012a. Observation Well Files, SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, SD.
- Water Rights. 2012b. Water Right/Permit Files, SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, SD.
- Water Rights. 2012c. Water Well Completion Reports, SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, SD.

AFFIDAVIT OF PUBLICATION

State of South Dakota)

County of Union)

Kelly Kruithoff,

an employee of the Leader-Courier, deposes and says that

The Leader-Courier

is a legal weekly newspaper of a general circulation, printed and published in Elk Point, County of Union, State of South Dakota, and has been such legal newspaper during the time hereinafter mentioned, and that affiant is and was during all the time hereinafter mentioned in charge of the advertising department thereof, and has personal knowledge of all the facts stated in this affidavit: and that the notice and advertisement headed:

Notice of Application No. 7473-3

a printed copy of which is hereunto attached and made a part hereof, was printed and published in the said newspaper at least once in

each week for 1 successive weeks; that said newspaper at the time of the first publication of said notice hereinafter stated, had, and still has, a bona fide circulation of over two hundred paid copies weekly, and had been published in the said County of Union for more than one year immediately prior to the date of the said publication of said notice, and that said newspaper during said times, was, and is, printed in part in an office maintained at said city of Elk Point, the said place of publication; that the first publication of said notice in said newspaper was

on Thursday, the 10 day of January, 2013

and that the succeeding publications were

on Thursday, the _____ day of _____,

on Thursday, the _____ day of _____,

on Thursday, the _____ day of _____,

that the fees for the printing and publishing of said notice and advertisement in said newspaper as aforesaid were

\$ 27.16, that the full amount of the fee charged insures to the benefit of the publisher of the said newspaper, that no agreement or understanding for the division thereof has been made with any other person and that no part thereof has been agreed to be paid to any other person whomsoever.

Kelly Kruithoff
Subscribed and sworn to before me

this 10 day of January, 2013

My commission expires 6-21-17

SUSAN ODSON
NOTARY PUBLIC
SOUTH DAKOTA

Notary Public

NOTICE OF APPLICATION NO. 7473-3 TO APPROPRIATE WATER

Notice is given that Gregg Hanson, 47568 SD Hwy 50, Elk Point SD 57025 has filed an application for a water permit to appropriate 1.78 cubic feet of water per second from one well to be completed into the Missouri-Elk Point Aquifer (170 feet deep) located on the quarter line between the NE 1/4 SW 1/4 and the NW 1/4 SE 1/4 Section 13 for irrigation of 145 acres located in the SE 1/4 NW 1/4, SW 1/4 NE 1/4, E 1/2 SW 1/4, W 1/2 SE 1/4 Section 13; all in T92N-R50W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 7473-3 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. 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 January 22, 2013.

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. 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.

Publish January 10, 2013

Published once at the total approximate cost of \$27.16

2-2-73

RECEIVED

JAN 14 2013

WATER RIGHTS
PROGRAM

AFFIDAVIT OF PUBLICATION

YANKTON DAILY PRESS AND DAKOTAN

Department of Environment and Natural Resources
PMB 2020
Joe Foss Building
523 East Capitol
Pierre, SD 57501-3182

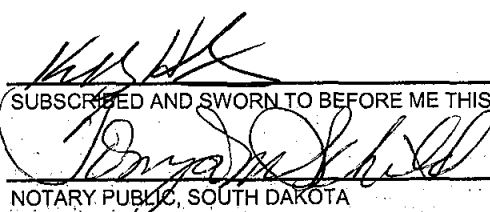
STATE OF SOUTH DAKOTA
COUNTY OF YANKTON

KELLY HERTZ BEING FIRST DULY SWORN ON OATH DEPOSES
AND SAYS THAT HE IS THE **MANAGING EDITOR** OF, YANKTON
MEDIA INC, A CORPORATION, THE PRINTER AND THE PUBLISHER OF THE
YANKTON DAILY PRESS AND DAKOTAN, A LEGAL DAILY NEWSPAPER
PUBLISHED AND CIRCULATED IN THE CITY OF YANKTON, SAID COUNTY
AND STATE, AND ONE OF THE OFFICIAL NEWSPAPERS OF THE SAID
COUNTY OF FACTS STATED IN THIS AFFIDAVIT; THAT THE ANNEXED
Notice of Application No. 7473-3

TAKEN FROM THE PAPER, IN WHICH IT WAS LAST PUBLISHED IN THE
NEWSPAPER ON THE 10th DAY OF January 2013
THAT THE FULL AMOUNT OF THE FEE CHARGED FOR THE PUBLICATION
OF SAID **NOTICE** TO WIT **\$26.15** ENSURES TO THE
BENEFITS OF THE PUBLISHER OF SAID NEWSPAPER AND THAT NO
AGREEMENT AND UNDERSTANDING FOR THE DIVISION THEREOF HAS
BEEN MADE WITH ANY OTHER PERSON, AND THAT NO PART THEREOF
HAS BEEN AGREED TO BE PAID TO ANY PERSON WHOMSOEVER.

PUBLISHED ON: 1/10/2013

FILED ON: 1/10/2013

SUBSCRIBED AND SWORN TO BEFORE ME THIS 10th DAY OF January 2013

NOTARY PUBLIC, SOUTH DAKOTA
MY COMMISSION EXPIRES 8/19/2015

1-10
NOTICE OF APPLICATION
NO. 7473-3 to Appropriate Water

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Published once at the total approximate cost of \$26.15.



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

denr.sd.gov

January 3, 2013

Leader Courier
PO Box 310
Elk Point SD 57025

ATTENTION: Legal Public Notice

Enclosed is a Notice on Application No. 7473-3 to Appropriate Water. Please publish the notice once on January 10, 2013. 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 Gregg Hanson, 47568 SD Hwy 50, Elk Point SD 57025 (Ph # 605-356-2468).

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

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

denr.sd.gov

January 3, 2013

Press & Dakotan
319 Walnut
Yankton SD 57078

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Natural Resources Engineer
605 773-3352

enclosures



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

denr.sd.gov

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

January 3, 2013

Gregg Hanson
47568 SD Hwy 50
Elk Point SD 57025

Dear Mr. Hanson:

Water Permit Application No. 7473-3 for irrigation use has been examined and found to comply with the South Dakota Water Laws and applicable rules. A notice has been sent to the Leader Courier printed at Elk Point SD (Ph # 605-356-2632) and the Press & Dakotan printed at Yankton SD (Ph # 605-665-7811). You will need to contact the newspaper(s) and authorize publication of this notice. For your information, a copy of the notice, the recommendation of the Chief Engineer and report on the application are enclosed. Please review the notice prior to publication and notify this office, if you have any corrections or questions.

Be sure to contact the above newspaper(s) to authorize publication of your Notice and to arrange for payment. Early contact with the paper(s) can eliminate delays. Upon receiving authorization from you, the publisher has been instructed to publish your notice. The newspaper has also been instructed to send us the Proof of Publication. We must receive Proof of Publication before action can be taken on the application.

Sincerely,

Eric Gronlund
Natural Resources Engineer
(605) 773-3352

enclosures

NOTE: If you plan to contest any part of the Chief Engineer's recommendation, you must file a petition pursuant to the procedures outlined in the attached notice of hearing. The Water Management Board will then consider your concerns during a hearing on the application.

Instruction to Newspaper - Publish the Notice on January 10, 2013. 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. 7473-3 to Appropriate Water

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Published once at the total approximate cost of_____.



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
denr.sd.gov

FEB 19 2013

Gregg Hanson
47568 Hwy 50
Elk Point SD 57025

Dear Mr. Hanson:

Enclosed is Water Permit No. 7473-3 authorizing construction of your 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,

Garland Erbele, Chief Engineer
Water Rights Program
(605) 773-3352

enclosures

7473-3

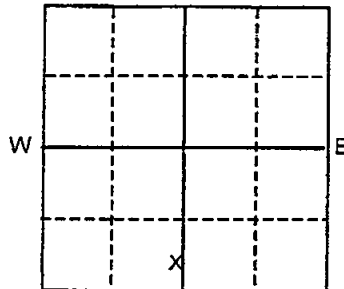
SD EForm - 1621LD V1

11-02

SOUTH DAKOTA WATER WELL COMPLETION REPORT

Location SE 1/4 SW 1/4 Sec 13 Twp 92N Rg 50WCounty UNION

North

Please mark well
location with an "X"

Well Completion Date

January 10, 2013

1 Mile

Distance to nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)?
1,500.0 ft. from SEPTIC TANK (Identify source)

PROPOSED USE:

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

METHOD OF DRILLING:

DIRECT ROTARY.

CASING DATA:

☐ Steel ☒ Plastic ☐ Other

If other describe

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
LB/FT	16.00 IN	0.0 FT	100.0 FT	22.00 IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
BENTONITE	35	9.5 Lb/gal	0.0 Ft	90.0 Ft
		Lb/gal	Ft	Ft

Describe grouting procedure
TREMIE METHOD

SCREEN:

☐ Perforated pipe ☒ Manufactured
Diameter 16.00 Inches Length 60.0 FeetMaterial PVCSlot Size .060 Set From 100.0 Feet to 160.0 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?

HTH TABLETS

☐ No, Why Not?Lab to which water
quality sample sent for analysisWell Owner: WADE LANGLE

Business Name:

Address: 47544 SD HWY 50City, State, Zip: ELK POINT SD 57025

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
TOP SOIL	0	3
CLAY, SILTY, PEBBLY, BROWN(TIL	3	20
CLAY, SILTY PEBBLY, GRAY (TILL)	20	52
SANDY GRAVEL, TAN	52	60
GRAVEL & SAND	60	99
MEDIUM SAND	99	103
GRAVELY SAND, GREEN	103	174
DARK GRAY SHALE	174	180

STATIC WATER LEVEL 67.2 FEET

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ Inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

Reduced flow rate _____ GPM

Can well be completely shut in?

WELL TEST DATA:

☒ Pumped Describe:☐ Bailed☐ Other

Pumping Level Below Land Surface

82.0 Ft. After 1.5 Hrs. pumped 900.0 GPM

_____ Ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate: _____ GPM

REMARKS

RECEIVED

JAN 27 2014

WATER RIGHTS
PROGRAMThis well was drilled under license # 666 and this
report is true and accurate.Drilling firm: HAMMOND-WETMORE DRILLING, LLC

Signature of License Representative:

Richard H. Hammond

Signature of Well Owner or Equitable Property Holder:

Date:

1/23/14

1-20-17

**Report of Examination of Works and/or Application of Water to
Beneficial Use
For Permit No. 7473-3**

I have this day, March 25, 2025, made a thorough examination of the water use system constructed by Gregg Hanson of 47572 SD Hwy 50, Elk Point SD 57025 holder of Permit No. 7473-3, bearing the priority of October 22, 2012 authorizing the diversion of 1.78 cu. ft. per second of the waters of groundwater, Missouri: Elk Point Aquifer for irrigation purposes, in Union County.

Inspection contact & relationship Gregg Hanson, owner

A. Works used to divert the water:

Well Information:

- 1) Well Drilling Firm: Hammond-Wetmore Drilling, LLC
- 2) No. of Wells 1
- 3) Depth(s) 160 feet
- 4) Well log is available Y If no, explain in comments

Casing:

- 1) Diameter 16 inches
- 2) Length 100 feet
- 3) Type plastic

Screen:

- 1) Type PVC
- 2) Length 60 feet
- 3) Static water level 67 feet

Pump:

- 1) Make Grundfos
- 2) Model submersible
- 3) Capacity 750 GPM

Motor:

- 1) Make Grundfos
- 2) Model No. submersible
- 3) Horsepower rating 40 hp

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

- 1) Type PVC
 - 2) Size 8 inches
 - 3) Length 1200 feet
- Comments: none

C. Works used to apply water to beneficial use:

Center pivot:

- 1) Make Valley
- 2) Overall length 1350 feet
- 3) Number of towers 7
- 4) End gun Y
- 5) Capacity 750 GPM

Chemigation Equipment:

- 1) Does chemigate N

D. Compliance with Permit Requirements:

- 1) Permit qualifications being abided by Y
If no, describe: none
- 2) Irrigation Questionnaires checked to determine if permit owner started irrigation by the end of construction period Y
List any extended period of nonuse: none
- 3) Exceptions to compliance are: none

E. Condition and Location:

1. The system is in good, condition with the point(s) of diversion located as follows: from the SE corner of Sec 13 T92N-R50W 2650 ft W and 510 ft N, latitude of 42.78058 and longitude of -96.69760 (SE ¼ SW ¼).
2. The works are capable of diverting and conveying to the place of use 1.67 cu. ft. per second of water which is to be used for irrigation use. Water has been put to beneficial use to the maximum extent as follows: All land is located in Sec 13 T92N-R50W SE ¼ NW ¼ - 13 ac SW ¼ NE ¼ - 13 ac NW ¼ SE ¼ - 39.5 ac SW ¼ SE ¼ - 20 ac NE ¼ SW ¼ - 39.5 ac SE ¼ SW ¼ - 20 ac comprising a total of 145 acres of land and the license should be issued for 1.67.
3. All structures, wells and lands on map Y
If no, describe: none

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

none.



Mark D Rath
Water Right Inspector
DANR, Water Rights Program

Date report completed: May 13, 2025



Diversion Point Location

From the SE corner of
Sec13 T92N-R50W

** Well**

2650 ft W & 510 ft N

Lat 42.78058 Long -96.69760

Irrigated Land

Sec 13 T92N-R50W

SE1/4 NW1/4 - 13 ac

SW 1/4 NE1/4 - 13 ac

NE1/4 SW1/4 - 39.5 ac

NW1/4 SE1/4 - 39.5 ac

SE1/4 SW1/4 - 20 ac

SW 1/4 SE1/4 - 20 ac



0 0.125 0.25 0.5 0.75 1 Miles

Approval of Location Change and/or Additional Diversion Point(s)

NAME: Gregg Hanson COUNTY: UnionADDRESS: 47572 SD Hwy 50, Elk Point, SD 57025 DATE: June 4, 2025**GENERAL DESCRIPTION OF AUTHORIZED PROJECT:**

Water Permit No. 7473-3 authorizes diversion of 1.78 cfs from one well (Missouri: Elk Point Aquifer) located on the quarter line between the NE $\frac{1}{4}$ SW $\frac{1}{4}$ & the NW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 13, for the irrigation of 145 acres located in the SE $\frac{1}{4}$ NW $\frac{1}{4}$, SW $\frac{1}{4}$ NE $\frac{1}{4}$, E $\frac{1}{2}$ SW $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$ Section 13; all in T92N, R50W.

AUTHORITY:

Pursuant to SDCL 46-5-13.1, the location of a diversion point may be changed, or additional diversion points may be added, provided the following conditions are met and the potential for interference with other existing diversions is not increased:

Developed water source same as permitted source and no additional water appropriated,

The well authorized under Permit No. 7473-3 was completed into the Missouri: Elk Point Aquifer, in the SE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 13, T92N, R50W. The developed rate of diversion was 1.67 cfs, which is less than the originally permitted amount.

If irrigation, no new land is irrigated,

No additional acres were developed for irrigation.

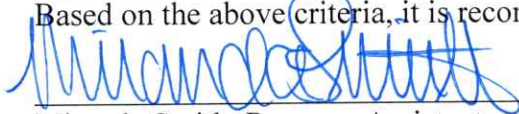
Review of Existing Diversions

There are eight other existing water permits/rights within a 2 mile radius of where the diversion point was developed, also authorizing diversion from the Missouri: Elk Point Aquifer (M:EP). The nearest permit authorized for diversion from the M:EP is approximately 0.41 miles southwest of the well in question (3515-3 held by Kyle Limoges). The next nearest permit/right would be 7188-3, held by the Brian Davis, located approximately 0.43 miles southeast. It was determined in the review of the application of Water Permit 7904-3 that there was reasonable probability any interference due to pumping from the original well would not adversely or unlawfully impair existing rights. The same would be expected for the well constructed in the new location.

The closest domestic well (completed into the M:EP) is approximately 0.62 miles to the northeast, located in the SE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 13, T92N, R50W, on property owned by Mary L Davis, according to Regrid. The location of the domestic wells in the well completion report database maintained by the Water Rights Program is based on the location listed by the driller on the well completion report.

RECOMMENDED ACTION

Based on the above criteria, it is recommended that the change in diversion point location be approved.



Miranda Smith, Program Assistant
Water Rights Program

The Chief Engineer makes a finding pursuant SDCL 46-5-13.1 and ARSD 74:02:01:14.01 that:

This change in location and/or additional diversion point(s) does not increase the potential for adverse effects to existing diversions.



Mark Mayer, PE
Director of Office of Water



**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

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

JUN 06 2025

Gregg Hanson
47572 SD Hwy 50
Elk Point, SD 57025

No. 7473-3

Dear Mr. Hanson:

Enclosed is Water License No. 7473-3. This is the final water right document completing your process of obtaining a Water Right. Included with your license is a map prepared by the staff engineer who conducted the field investigation.

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

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

Sincerely,

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

Note: (The maximum diversion rate authorized for irrigation under Water Right No. 7473-3 has been reduced to 1.67 cfs, based on the system as constructed.)

enclosures

STATE OF SOUTH DAKOTA
WATER LICENSE NO. 7473-3

(1) Gregg Hanson, 47572 SD Hwy 50, Elk Point, SD 57025, made Application No. 7473-3, October 22, 2012, for a water permit to divert 1.78 cubic feet of water per second from groundwater, one well (Missouri: Elk Point Aquifer), Union County, South Dakota for irrigation purposes. Permit No. 7473-3, with a priority date of October 22, 2012, was approved January 22, 2013, and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before January 22, 2018, and for the application to beneficial use of water on or before January 22, 2022.

An investigation conducted for licensing purposes found the diversion point developed outside of the permitted area. Pursuant to SDCL 46-5-13.1 and ARSD 74:02:01:14.01, the Chief Engineer made a finding that the change in the diversion point location did not increase the potential for adverse effects to existing diversions.

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

- 2,650 feet W and 510 feet N from the SE corner of Section 13, T92N, R50W
(SE $\frac{1}{4}$ SW $\frac{1}{4}$) (Latitude 42.78058 and Longitude -96.69760)

(3) The amount of appropriation may not exceed 2 acre-feet annually for each acre of land to which water is actually and beneficially applied for irrigation. The water is to be used during the following described annual period: March 1 – October 31.

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

Section 13, T92N, R50W
SW $\frac{1}{4}$ NE $\frac{1}{4}$ - 13 acres
SE $\frac{1}{4}$ NW $\frac{1}{4}$ - 13 acres
NE $\frac{1}{4}$ SW $\frac{1}{4}$ - 39.5 acres
SE $\frac{1}{4}$ SW $\frac{1}{4}$ - 20 acres
NW $\frac{1}{4}$ SE $\frac{1}{4}$ - 39.5 acres
SW $\frac{1}{4}$ SE $\frac{1}{4}$ - 20 acres
Total – 145 acres

(5) Pursuant to South Dakota Water Law 46-5-30.1 Gregg Hanson, the holder and/or owner of Water Right No. 7473-3 is issued a license to appropriate water, the right to use 1.67 cubic feet of water per second from groundwater, one well (Missouri: Elk Point Aquifer), with a priority date of October 22, 2012, from the location specified in (2) of this license for irrigation purposes.

This license is subject to South Dakota Water Law, any limitations or conditions listed in Water Right No. 7473-3 and subject to the following qualifications:

continued

Qualifications

1. The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate wells having prior water rights.
2. The well authorized by Permit No. 7473-3 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. *(The well was drilled in 2013 by Hammond-Wetmore Drilling LLC. A copy of the well completion report is on file with the Water Rights Program.)*
3. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.



Mark Mayer, PE
Director of Office of Water



date

