

FILE COPY

Mail to: DENR - Water Rights 523 E Capitol Ave Pierre, SD 57501-3182 ph. (605) 773-3352	No. <u>8232-3</u> (office use only) Hydrologic Unit <u>10130106</u>
	Basin <u>Missouri River</u>
	Newspaper <u>Northwest Blade, Eureka (Hurr)</u> <u>605 284-2631</u> <u>American News, Aberdeen 605 225-4100</u>
	_____ _____ _____

Application For Permit To Appropriate Water For Irrigation

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

Description of amendment/correction: (i.e. change diversion point(s), add diversion point(s), change use, etc.)
This permit would change location of acres, add diversion authority, an additional diversion point, and clarify the location of diversion points for irrigation covered by Water Right No. 3656-3

1. Name to Appear on Irrigation Permit Barry & Robin Vculek

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

Mailing Address 1109 S 7th St (Address) Oakes (City) ND (State) 58474 (Zip Code)

Phone (701) 742-3050 Mobile _____ Email _____

2. Amount of water claimed 2.79 adl*CFS or _____ **GPM ***AF Total Acreage _____
(*Cubic Feet per Second) (**Gallons per Minute) (**Acre Feet - storage capacity of dam/dugout or annual use if applicable)

3. Source of water supply ground water approximately 65 feet to 100 feet deep

4. Location of point of diversion SE 1/4 NW 1/4, N 1/2 NW1/4, SW 1/4 NE 1/4 and the center of the SW 1/4
(example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W)
all in Section 22 T127N-R71W County McPherson

5. County or counties where water will be used McPherson

6. Annual period during which water is to be used April through October

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
All land in Sec 22 T127N-R71W		NW 1/4 SE 1/4	24
NE 1/4	80		
NW 1/4	137		
SW 1/4	139	Total acres irrigated	380

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

The original water right authorized the irrigation of 380 acres from three wells with diversion rate of 3.0 cfs. This application seeks to increase the diversion rate by 2.79 cfs to a total of 5.79 cfs(2600 gpm), change the location of some of the acres, and add and change the location of the diversion points. This application also requests authorization of the total diversion rate of more than 1 cfs per 70 acres due to the need to efficiently operate the four center pivot irrigation systems.

I, _____, the applicant, certify under
Name of Person Title (if applicable)
 penalty of perjury that I have read this application, examined the attached map, and that the matters stated are true. I further certify, if acting on behalf of an entity or individual other than myself, that I am authorized to submit this application.

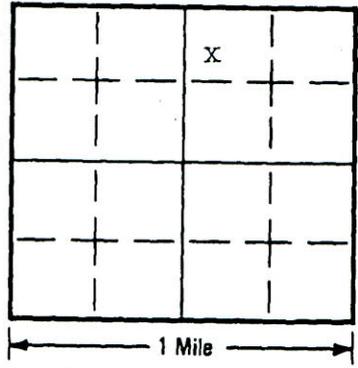
Attachments: Attach Form 2A if diversion is from a well or dugout, or if storage of water is proposed. Also, attach map and any other technical information. (see instructions)

SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec 22 Twp 127 Rg 71

County McPherson



Please mark well location with an "X"

Well Completion Date

6-14-07

Well Owner: Larry Krause

Business Name: _____

Address: 37584 149 St. Mansfield, S. D.

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
Topsoil	0	2
Br. sand-gravel	2	15
Gr. clay	15	28
Coarse sand- gravel	28	48
Fine sand- coarse gravel	48	
Drilled tighter		51
Med. sand-fine gravel	51	72
Clay	72	78
Sand and gravel	78	94

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? _____ ft. from _____ (identify source).

PROPOSED USE:

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

METHOD OF DRILLING:

Forward rotary

CASING DATA:

Steel Plastic Other

If other describe SDR-21

PIPEWEIGHT	DIAMETER	FROM	TO+	HOLE DIAMETER
_____ LB/FT	_____ IN	_____ FT	_____ FT	<u>17.5</u> IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUTING DATA

Volclay- Hi-Solids

Grout Type	No. of Sacks	Grout Weight	From	To
_____	<u>2</u>	<u>50</u> lb./gal	<u>53</u> ft	<u>0</u> ft
_____	_____	_____ lb./gal	_____ ft	_____ ft

Describe grouting procedure 1 1/2" tremie pipe- grout from bottom up.

SCREEN:

Perforated pipe Manufactured

Diameter 12" IN Length 40 FEET

Material PVC- SDR-21

Slot Size .051 Set From 54 Feet to 94 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: Drill w/ pre-Chlorinated Water

NO, Why Not? _____

Laboratory sent to for water quality analysis _____

STATIC WATER LEVEL 17.3 (Gr. Lv.) 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: _____
- Bailed _____
- Other _____

Pumping Level Below Land Surface
31.35 ft. After 4 Hrs. pumped 460 GPM

_____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate 600 @ 175 TDH GPM

REMARKS

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JUN 26 2007 JUN 26 2007

WATER RIGHTS PROGRAM WATER RIGHTS PROGRAM

This well was drilled under license # 434

And this report is true and accurate.

Drilling firm M & W Drilling

Signature of License Representative:

Joe Wucetich

Signature of Well Owner or Equitable Property Holder:

[Signature]

Date: 6-17-07

RECEIVED

JUN 29 2016

WATER RIGHTS PROGRAM