



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

denr.sd.gov

4364A-3 & 4364B-3

February 10, 2017

Suzanne Gambill
138 Wading Bird Dr
Venice FL 34292

Kenneth & Tamara Krein
PO Box 176
Estelline SD 57234

Dear Ms. Gambill & Mr. and Mrs. Krein:

Water License No. 4364-3 has been divided based on land ownership and the capacity of the irrigation systems at the time of licensing in 1990. Enclosed is your respective water license with Ms. Gambill being issued Water License No. 4364A-3 and Mr. and Mrs. Krein issued 4364B-3.

Each water license includes both wells. However, the water license does not provide access to the wells. If you do not own the well, land or property where the pipeline is placed, you will have to obtain all necessary easements or other legal right to their use.

A change of diversion for one of the original wells that was located in the NW ¼ SW ¼ Section 26, T111N, R49W was granted in 2004 authorizing moving the well to the SE ¼ NE ¼ Section 27, T111N, R49W. In authorizing the change in well location, the old well in the NW ¼ SW ¼ Section 26 was to be plugged in accordance with well construction standards. DENR understands that access was never secured to the well in Section 27 so the well in the NW ¼ SW ¼ Section 26 remains in place and has not been plugged. If the well in the NW ¼ SW ¼ Section 26 is put back into service supplying the authorized irrigated land or a new well is drilled, proper authorization to change or add a well must be obtained through DENR. If the well in the NW ¼ SW ¼ Section 26 is abandoned, the well must be plugged.

As long as you use the water beneficially, as stated in the Water License, the State Water Laws provide that you have a continuing right to use the water. If you have any questions, please contact Eric Gronlund at (605) 773-3352 or eric.gronlund@state.sd.us.

Sincerely,

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

enclosure

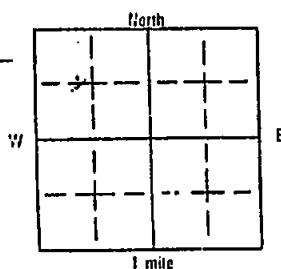
4364B-3

SOUTH DAKOTA WATER WELL COMPLETION REPORT

10-85

Location N 1/2 Sec 26 Twp 111.0 Rg 49WCounty Brookings

Please mark well location with an "X"

Well Completion Date 2/16/80

PROPOSED USE:

☐ Domestic ☐ Municipal ☐ Test Holes
☒ Irrigation ☐ Industrial ☐ Stock

Method of Drilling:

Direct Rotary

CASING DATA:

☒ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
LB/FT <u>14</u>	IN <u>1 1/2</u>	FT <u>100</u>	FT <u>18</u>	IN <u>18</u>
LB/FT _____	IN _____	FT _____	FT _____	IN _____
LB/FT _____	IN _____	FT _____	FT _____	IN _____
LB/FT _____	IN _____	FT _____	FT _____	IN _____

GROUT:

Was the well grouted? ☐ YES ☒ NO

To what depth? _____ FEET

What is grouting material? _____

If cement, number of sacks? _____

Describe grouting procedure _____

What was grout weight? _____ LB/GAL

SCREEN: ☐ Perforated pipe ☐ ManufacturedDiameter 1 1/2 IN Length 20 FEETMaterial Johnson SS. H-1-QSlot Size 150 Set From 100 Feet To 120 Feet

Slot Size _____ Set From _____ Feet To _____ Feet

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? _____

Was well disinfected upon completion? ☐ YES ☐ NOExplain H.T.H. TabletsBacteriological analysis ☐ YES ☐ NO

Laboratory sent to _____

Well Owner:

Name Douglas ThompsonAddress White, SD

Well Log:

Depth

Formation	From	To
Top Soil	0	1.2
Yellow clay	1.2	3
Yellow gravel	3	48
Blue clay	48	65
Gravel gravel	65	120
Blue clay	120	130

STATIC WATER LEVEL 38 Feet

If flowing, closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

If other, specify _____

Can well be completely shut in? _____

WELL TEST DATA:

☒ PumpedTurbine☐ Bailed

Describe: _____

☐ Other

Pumping Level Below Land Surface

53 ft. After 24 Hrs. pumped 800 GPM

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

REMARKS

This well was drilled under license # 337

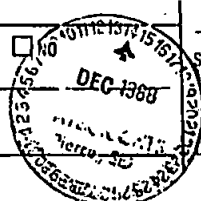
And this report is true and accurate.

Drilling firm Karnes Well Works

Signature of License Representative

Forrest Lee Karnes

Signature of Well Owner

Date 2/12/80

In 2004 - they applied to change well's SW 1/4 Dec 26 to this well. Approval granted.

SOUTH DAKOTA WATER WELL COMPLETION REPORT

10-85

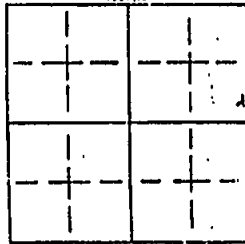
43646-3
(Capp. d)

Location 11 N E Sec. 27 Twp. 11 N Rg. 49 W

County

Brookings

North



Please mark well location with an "X"

Well Completion Date 12/20/78

PROPOSED USE:

- ☐ Domestic ☐ Municipal ☐ Test Holes
☒ Irrigation ☐ Industrial ☐ Stock

Method of Drilling:

Direct Rotary

CASING DATA:

- ☒ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
LB/FT	IN	FT	FT	IN
14	1 1/2	73	123	12
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUT:

Was the well grouted? ☐ YES ☒ NO

To what depth? _____ FEET

What is grouting material? _____

If cement, number of sacks? _____

Describe grouting procedure _____

What was grout weight? _____ LB/GAL

SCREEN: ☐ Perforated pipe ☒ Manufactured

Diameter 1 1/4 IN Length 30 FEET

Material Johnson SS H-10

Slot Size 150 Set From 93 Feet To 123 Feet

Slot Size _____ Set From _____ Feet To _____ Feet

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? _____

Was well disinfected upon completion? ☒ YES

Explain 17H Tube

Bacteriological analysis ☐ YES ☒ NO

Laboratory sent to _____

Well Owner:

Name State of Wm. Olson

Address Plummer, Idaho

Well Log:

Depth

Formation	From	To
Topsoil	0	1 1/2
yellow clay	1 1/2	3'
orange yellow	3'	65'
heavy gravel	65'	123'
Blue clay	123'	130'

STATIC WATER LEVEL 32 Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

If other, specify _____

Can well be completely shut in? _____

WELL TEST DATA:

☒ Pumped

Turbine

☐ Bailed

Describe: _____

☐ Other

Pumping Level Below Land Surface

56' ft. After 72 Hrs. pumped 2,400 GPM

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

REMARKS: This well was never used. There was a dispute between the Farmers + Clark Farm over crossing the land or using the county ditches to irrigate Section 36 when Mr. Olson found out about this he tabled the project. This dispute was brought on by Janis Johnson employee of Clark Irrig. which tried to Rail Road it through.

This well was drilled under license # 337

And this report is true and accurate.

Drilling firm

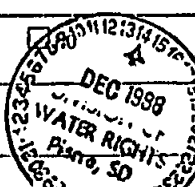
Signature of License Representative:

Karl Olson

Signature of Well Owner:

Date

12/12/88





Sec 15
T111N
R49W

Sec 14
T111N
R49W

Sec 13
T111N
R49W

Sec 22
T111N
R49W

Sec 23
T111N
R49W

Sec 24
T111N
R49W

4364A-3 - Suzanne Gambill
NW 1/4 Section 16, T111N, R49W
130 acres

Sec 27
T111N
R49W

Sec 26
T111N
R49W

Brookings

Sec 25
T111N
R49W

4364B-3 - Kenneth & Tamara Krein
SW 1/4 Section 16, T111N, R49W
125 acres

Sec 34
T111N
R49W

Sec 35
T111N
R49W

Sec 36
T111N
R49W

Sec 3

Sec 2

Sec 1

STATE OF SOUTH DAKOTA
WATER LICENSE NO. 4364B-3
(DIVISION OF WATER RIGHT NO. 4364-3 INTO 4364A-3 and 4364B-3)

(1) Warren D Thompson, Aurora SD was issued Water License No. 4364-3, March 21, 1990 for a water right to divert 3.00 cubic feet of water per second (cfs) from ground water, two wells (Big Sioux Six Mile Creek Aquifer), Brookings County, South Dakota for irrigation purposes. Water License No. 4364-3, with a priority date of December 26, 1978 was issued to the permit holder for irrigation of 255 acres in the W ½ Section 26 from two wells located in the SW ¼ NW ¼ and the NW ¼ SW ¼ Section 26, all in T111N, R49W.

On February 3, 2004, Water Right No. 4364-3 was transferred from Warren D Thompson to Kenneth & Tamara Krein.

On December 8, 2016, Suzanne Gambill filed an ownership change for a portion of the land described in the Water Right. Based on the ownership change, the water right is being divided and reissued to reflect separate ownership as follows:

- **No. 4364A-3, Suzanne Gambill** – authorizing diversion of 1.67 cfs from two wells to irrigate 130 acres in the NW ¼ Section 26, T111N, R49W;
- **No. 4364B-3, Kenneth & Tamara Krein** – authorizing diversion of 1.33 cfs from two wells to irrigate 125 acres in the SW ¼ Section 26, T111N, R49W.

(2) It is certified that the water right holders of No. 4364B-3 have complied with the provisions of South Dakota State Law and are entitled to divert 1.33* cubic feet of water per second for beneficial use. The location of the diversion points are:

- 1,620 feet S & 870 feet E of the NW corner of Section 26, T111N, R49W (SW ¼ NW ¼);
- SE ¼ NE ¼ Section 27, T111N, R49W**

** The diversion rate is based on the capacity of the system in the SW ¼ Section 26, T111N, R49W at the time of licensing;*

*** The second well authorized under No. 4364-3 was originally in the SW ¼ of Section 26. On June 2, 2004, based on your request, the well location was changed to the SE ¼ NE ¼ Section 27, T111N, R49W. The Chief Engineer made a finding pursuant to SDCL 46-5-13.1 and ARSD 74:02:01:14.01 that the change did not increase the potential for adverse effects to existing diversions.*

(3) The water right holders have complied with the provisions of South Dakota State Law relating to the application of water to beneficial use to irrigate the following land:

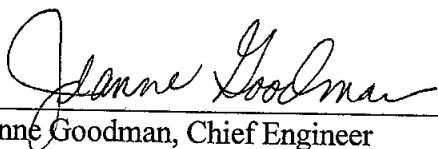
T111N, R49W Section 26	NW ¼ SW ¼	34 acres
	NE ¼ SW ¼	34 acres
	SE ¼ SW ¼	34 acres
	SW ¼ SW ¼	23 acres
	Total	125 acres

(4) Pursuant to South Dakota Water Law 46-5-30.1 Kenneth & Tamara Krein, PO Box 176, Estelline SD 57234 the holders and/or owners of Water Right No. 4364B-3 are issued a license to appropriate water, the right to use 1.33 cubic feet of water per second from ground water, two wells (Big Sioux Six Mile Creek Aquifer) with a priority date of December 26, 1978 from the locations specified in (2) of this license for irrigation purposes.

continued

This license is subject to South Dakota Water Law, any limitations or conditions listed in Water Right No. 4364-3 and subject to the following qualifications:

- 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.
- The wells approved under this Permit shall be spaced so that there is at least 660 feet between wells.
- This Permit is approved subject to the irrigation water use questionnaire being submitted each year. *(The Water Management Board amended No. 4364-3 in May, 1985 to include the irrigation questionnaire qualification).*



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

FEB 10 2017

date

