

WATER PERMIT NO. 6195-3

Name of Applicant: JoAnn Hemphill, Bakker Crossing Golf Course

Address: 908 Lakeside, Lake Park IA 51347

Phone: 712-832-3784

Amount of Water Claimed: 0.67 cfs (300 gpm)

Total Acres: 75 acres

Source of Water Supply: groundwater

Water to be used for: irrigation

County: Lincoln

Type of Waste Disposal System:

Location: 3 miles east of Tea

PRIORITY

Date Received: 4-17-2000

Fee: \$225

Corrected Application Received::

Period of Annual Use: April 1 – October 31

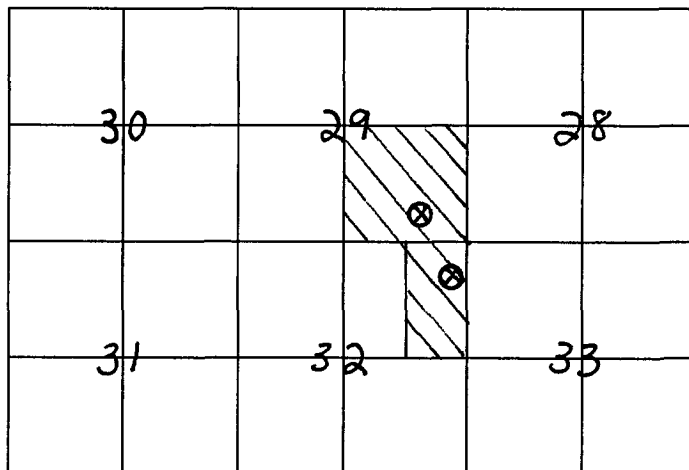
Remarks:

Diversion Point: SE ¼ SE ¼ Sec 29;

NE ¼ NE ¼ Sec 32; all in T100N-R50W

Land to be Irrigated: portions of SE ¼ Sec 29 and

E ½ NE ¼ Sec 32; all in T100N-R50W



Depth of Well: 322 and 432 feet deep

Well Driller: : Dave Putzke Well Drilling

Remarks:

Type of Map: aerial

Prepared by: Vi J Homan, PT

Reviewed and the Number Assigned on: 4-20-2000

By: Karen Schlaak

Notice of Hearing - date to intervene: _____

SOUTH DAKOTA
WATER PERMIT NO. 6195-3

Date of first receipt of application April 17, 2000.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 6195-3 to JoAnn Hemphill, Bakker Crossing Golf Course, 908 Lakeside, Lake Park IA 51347 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. 6195-3 appropriates 0.67 cubic feet of water per second (300 gallons per minute) from two wells (Sioux Quartzite) 322 feet and 432 feet deep located in the SE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 29 and NE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 32 to irrigate 75 acres within a 220 acre golf course area located in the SE $\frac{1}{4}$ Section 29 and the E $\frac{1}{2}$ NE $\frac{1}{4}$ Section 32; all in T100N-R50W. Water from the wells will be diverted to two holding ponds (5.0 acre-feet storage capacity) to irrigate the acreage. These ponds will also receive incidental surface runoff.
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: April 1 – October 31.
3. The date from which applicant may claim right is April 17, 2000.
4. The date of approval of Permit No. 6195-3 is June 5, 2000.
5. One-fifth of the construction is to be completed on or before December 5, 2002.
6. All construction is to be completed on or before June 5, 2005.
7. Water is to be put to beneficial use on or before June 5, 2009.
8. Water rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

QUALIFICATIONS

1. The wells approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
2. Water Permit No. 6195-3 authorizes two ponds with an approximate storage capacity of 5 acre feet of water. The wells may be used for either direct application of water to the irrigated acreage or to maintain the ponds and then water diverted from the ponds to the irrigated acres.
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

JUN 14 2000

date



Mail to: Water Rights Program Joe Foss Building 523 E. Capitol Pierre, SD 57501-3181 (605) 773-3352	No. <u>6/95-3</u>	(office use only) Hydrologic Unit <u>10170203</u>
	Basin <u>Sioux River</u>	
	Newspaper <u>Sioux Valley News, Canton, SD</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.) _____

- Will Incorporate → Bakker Crossing Golf Course
1. Name of Applicant JoAnn Hemphill Phone 712-832-3784
(check one) ☒ Owner ☐ Tenant/lessee
- Mailing Address 908 Lakeside Lake Park State IA 51347
(Street, RR, or Box and City) (Zip Code)
2. Amount of water claimed 0.67 *CFS or 300 **GPM ***AF Total Acreage 75
(*Cubic Feet per Second) (**Gallons per Minute) (***) Acre Feet - storage capacity of dam/dugout or annual use if applicable)
3. Source of water supply 2 Wells
4. Location of point of diversion (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W)
1 well in SE 1/4 of 29-100-50 (SE 1/4 SE 1/4)
1 well in E 1/2 of NE 1/4 of 32-100-50 County Lincoln
(NE 1/4 NE 1/4)
5. County or counties where water will be used Lincoln
6. Annual period during which water is to be used April 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
SE 1/4 of 29-100-50	160	Of these two land descriptions a total of 75 acres will be irrigated for the golf course	
E 1/2 of NE 1/4 of 32-100-50	80		

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

Bakker Crossing Golf Course
Our intention is to pump into 2 holding ponds to irrigate from.

STATE OF SOUTH DAKOTA) SS
County of Lincoln

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

I, JoAnn Hemphill, the applicant, certify that I have read this application, have examined the attached map and that the matters stated are true and that I intend, and am able to complete the necessary construction.

Applicant's signature JoAnn Hemphill

Subscribed and sworn to before me this 12 day of April 19 2000

Helen E. Nelson
Lincoln County Notary Public signature
H0010R?

8-96 Well drilling information
completed by:
DAVE PUTZKE
605- 361- 9333

Supplemental Information

(type or print in ink)

Total depth 322'
120 g.p.m. at 300'

1. Well Information - Proposed Construction

- a) Drill Hole Diameter 10" Depth 175' - 6" Rock drilling 147'
- b) Casing Type Steel Diameter 6" Thickness 0.250
- c) Screen Type None Diameter None Thickness None
- d) Gravel Pack None Length of Gravel Pack None
- e) Depth to Top of Water Bearing Material None
- f) Depth to Water (ground surface to water level) 135'
- g) Distance to nearest existing domestic well:

On applicants property all-Rural water On property owned by others Rural water

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 _____



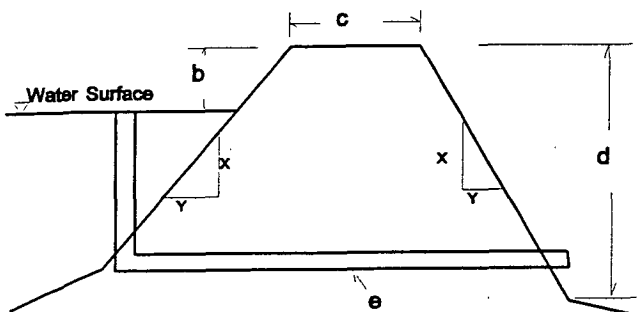
3. Dugout Information

- a) Surface Dimensions 360' x 120' * Estimate Depth 10'
- b) Depth to water (ground surface to water level) Varies

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 _____
Upstream _____
Downstream _____
- h) Surface Area of Impoundment _____
- i) Storage _____ Acre Feet
- j) Drainage Area Above Dam _____ Acres

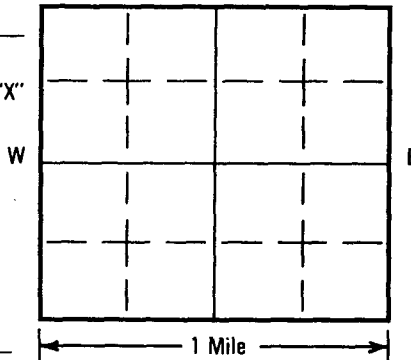
8-96 Well drilling information
completed by:
Dave Putzke
605-361-9333

SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location SE 1/4 of Sec 29 Twp 100 Rg 50
 County Lincoln
 North

Please mark well location with an "X"



Well Completion Date

4-7-2000

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? 600 ft. from septic tank (identify source).

PROPOSED USE:

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

METHOD OF DRILLING:

Rotary

CASING DATA:

☐ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>19.18</u> LB/FT	<u>6</u> IN	<u>0</u> FT	<u>175</u> FT	<u>10</u> IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUTING DATA

Grout Type Bentonite slurry No. of Sacks 17 Grout Weight _____ lb./gal From 26 ft. To 175 ft.
 _____ lb./gal _____ ft. _____ ft.

Describe grouting procedure Pump w/ Drilling rig
Pump Portland 1# 6-26 1 bag x 24 gals

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: _____

☒ NO, Why Not? _____

Laboratory sent to for water quality analysis _____

Later Pump

Well Owner: JoAnne Hemphill

Business Name: 908 Lakeside

Address: Lake Park IA 51347

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
Soil	0	2
Yellow clay	2	36
Blue clay	36	95
Boulders	95	101
Blue clay	101	175
Granite	175	322
Granite	322	

STATIC WATER LEVEL

132

If flowing: closed in pressure _____

GPM flow _____ through _____

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced Flowrate _____

Can well be completely shut in? _____

WELL TEST DATA:

☐ Pumped

Describe: AIR

☐ Bailed

☐ Other _____

Pumping Level Below Land Surface

300 ft. After 24 Hrs. pumped 120 GPM

_____ ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate _____ GPM

REMARKS

This well was drilled under license # 439

And this report is true and accurate.

Drilling firm Dave Putzke well Drilling Inc

Signature of License Representative: Dave Putzke

Signature of Well Owner or Equitable Property Holder: JoAnne Hemphill

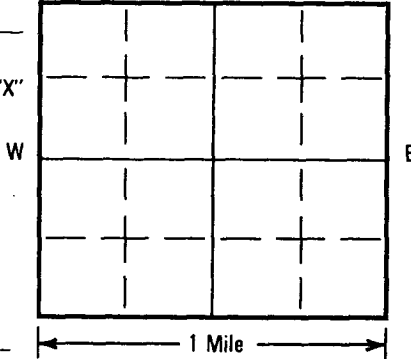
Date: April 12, 2000

SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location E 1/2 of NE 1/4, Sec 32 Twp 100 Rg 50
County Lincoln

Please mark well location with an "X"



Well Completion Date

3-24-2000

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? 200 ft. from nearest septic tank (identify source).

PROPOSED USE:

☐ Domestic/Stock ☐ Municipal ☒ Golf Course ☐ 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
19.18 LB/FT 6 IN 0 FT 218 FT 10 IN
____ LB/FT ____ IN ____ FT ____ FT ____ IN
____ LB/FT ____ IN ____ FT ____ FT ____ IN

GROUTING DATA

Grout Type Bentonite Grout No. of Sacks 25 Grout Weight ____ lb./gal From 26 ft To 218 ft
____ lb./gal ____ ft ____ ft

Describe grouting procedure Pump w/ Drilling rig
Pump Portland 1# 6'-26' 1 bag x 24 gal

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? _____

DISINFECTION:

Was well disinfected upon completion?
____ YES, How: ____
☒ NO, Why Not? Later

Laboratory sent to for water
quality analysis

Well Owner: JoAnne Hemphill

Business Name: 908 Lakeside

Address: Lake Park IA 51347

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
<u>T Soil</u>	<u>0</u>	<u>2</u>
<u>Brown Clay</u>	<u>0</u>	<u>46</u>
<u>Blue Clay</u>	<u>46</u>	<u>218</u>
<u>Granite</u>	<u>218</u>	<u>432</u>
<u>Granite</u>	<u>432</u>	

STATIC WATER LEVEL

135

If flowing: closed in pressure _____

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

Reduced Flowrate _____ GPM

Can well be completely shut in? _____

WELL TEST DATA:

☐ Pumped

Describe: AR

☐ Bailed

☐ Other

Pumping Level Below Land Surface

200 ft. After 24 Hrs. pumped 70 GPM

____ ft. After ____ Hrs. pumped ____ GPM

If pump installed, pump rate ____ GPM

REMARKS

This well was drilled under license # 439

And this report is true and accurate.

Drilling firm Dave Putzke well Drilling Inc

Signature of License Representative:

Dave Putzke

Signature of Well Owner or Equitable Property Holder:

JoAnne Hemphill

Date: April 12, 2000

SOUTH DAKOTA
LINCOLN
Report ID: FSA-156EZ-R001

U.S. Dept. of Agriculture
Farm Service Agency
Abbreviated 156 Farm Record

FARM 4009
Prepared:01/05/2000
Crop Year:2000
Page: 1

OPERAT Name & Address FARMLAND CROPLAND AG USE EFF AG USE FARM DESCRIPTION STATUS
LAND LAND
240.0 176.3 176.3 176.3 NONE ACTIVE
DONALD BAKKER
47174 272ND ST
SIOUX FALLS SD 57108 8130

FARMS ASSOC. WITH OP: 814

OTHER PRODUCERS ASSOCIATED WITH FARM:
NONE

CRP Cropland: .0 CRP MPL: .0

CRP Contract No.: NONE

RECON. REF. NO.: A60057

FAV HISTORY: N

CROP	CONTRACT ACREAGE	DBL.CROP AVG.	CRP REDUCTION	CRP PENDING	PYMT YLD
OATS	43.8	.0	.0	.0	58
CORN	66.7	.0	.0	.0	83

Remarks/Explanation:

Corrected ownership.

No. of Tracts: 4

Year: 2000

TRACT NO.	FARMLAND	CROPLAND	AG USE LAND	CRP CROPLAND ACRES	WBP ACRES	EFF AG USE	CRP MPL ACRES
3840	80.0	44.1	44.1	.0	.0	44.1	.0

CROP NAME	PFC ACRES	PFC TRACT YIELD	CRP-15 REDUCTION ACRES	CRP TRACT YIELD	CRP PENDING ACRES	AVG DBL-CROPPED ACRES
OATS	11.0	58	0.0	0	0.0	0.0
CORN	16.7	83	0.0	0	0.0	0.0

Photo Grid Descr: L4 E2 NE4 32 100 50

HEL 027 A027 WL CW FW PC AW MW PCW MG RW CWTE CWNA
N N N Y N Y Y N N N N N N N

OWNER 1 - JO ANN HEMPHILL



TRACT NO.	FARMLAND	CROPLAND	AG USE LAND	CRP CROPLAND		WBP ACRES	EFF AG USE	CRP	
				ACRES	ACRES			MPL ACRES	
3841	80.0	76.0	76.0	.0	.0	.0	76.0	.0	
CROP NAME	PFC ACRES	PFC TRACT YIELD	CRP-15 REDUCTION ACRES	CRP TRACT YIELD	CRP PENDING ACRES	AVG DBL-CROPPED ACRES			
OATS	18.8	58	0.0	0	0.0	0.0			
CORN	28.7	83	0.0	0	0.0	0.0			

Photo Grid Descr: L4 N2 SE4 29 100 50

HEL 027 A027 WL CW FW PC AW MW PCW MG RW CWTE CWNA
N N N Y N Y Y N N N N N N N

OWNER 1 - WILLIAM HEMPHILL, 2 - JO ANN HEMPHILL, 3 - GREGG BAKKER

TRACT NO.	FARMLAND	CROPLAND	AG USE LAND	CRP CROPLAND		WBP ACRES	EFF AG USE	CRP	
				ACRES	ACRES			MPL ACRES	
3842	20.0	19.2	19.2	.0	.0	.0	19.2	.0	
CROP NAME	PFC ACRES	PFC TRACT YIELD	CRP-15 REDUCTION ACRES	CRP TRACT YIELD	CRP PENDING ACRES	AVG DBL-CROPPED ACRES			
OATS	4.8	58	0.0	0	0.0	0.0			
CORN	7.3	83	0.0	0	0.0	0.0			

Photo Grid Descr: L4 W 20 ACRES OF S2 SE4 29 100 50

HEL 027 A027 WL CW FW PC AW MW PCW MG RW CWTE CWNA
N N N N N Y N N N N N N N N

OWNER 1 - LORI STEARNS

TRACT NO.	FARMLAND	CROPLAND	AG USE LAND	CRP CROPLAND		WBP ACRES	EFF AG USE	CRP	
				ACRES	ACRES			MPL ACRES	
3843	60.0	37.0	37.0	.0	.0	.0	37.0	.0	
CROP NAME	PFC ACRES	PFC TRACT YIELD	CRP-15 REDUCTION ACRES	CRP TRACT YIELD	CRP PENDING ACRES	AVG DBL-CROPPED ACRES			
OATS	9.2	58	0.0	0	0.0	0.0			
CORN	14.0	83	0.0	0	0.0	0.0			

Photo Grid Descr: L4 E 60 A S2 SE4 29 100 50

HEL 027 A027 WL CW FW PC AW MW PCW MG RW CWTE CWNA
N N N Y N Y N N N N N N N N

OWNER 1 - GREGG BAKKER

M4

29

y6 2000

NC

L4

T3515

NHFL-FW
4 26.3

T

*Big Holman
PT*T 3841
MT 3848T 3842
MT 3848T 3843
MT 3848FW-W-PC
NHFL

3 132.2

FW-W
NHFL
8.0

NHFL-FW-W

6 88.1

100-50

OUT

NC

99
9688
FWNon-
Ag
4-3-96

T4017

T4071

CRP-98-08
NHFL-FW-W
1 74.8

T 3839

NHFL-W-PC
2 38.0

32 3 37.6

L4
T 3840
NCNHFL-FW-W-PC
1 44.1T 3381
MT 4483T 3890
MT 4483

T 2348

Non-
Ag
10-24-95NHFL-FW-W
1 84.9

T 2468

T 3891

MT 4483

6195-3

RECEIPT

Water Rights Program

South Dakota Department of Environment and Natural Resources

N2 416474

Pierre, April 17, 2000

RECEIVED OF Bakker Crossing (Donn W. Hill), 27207 472nd AVE., Sioux Falls, SD 57108
the following amount in fees for services rendered as provided for by law:

Fee for Application for Permit No. <u>6195-3</u> to Appropriate Water, to construct and to put water to beneficial use _____	225	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>6195-3</u>	50	00
Fee for Filing Transfer Form _____		
Fee for Filing Extension Request _____		
Fee for _____		

(Any Other Work Provided by Law)	Total	275 00

By Heand Eivile
Chief Engineer

REPORT ON WATER PERMIT APPLICATION NO. 6195-3
for JoAnn Hemphill, Bakker Crossing Golf Course
May 2, 2000

Application No. 6195-3 proposes to appropriate 0.67 cfs (300 gpm) from two wells approximately 322 feet and 432 feet deep and located in the SE 1/4 SE 1/4 of Section 29 and the NE 1/4 NE 1/4 of Section 32 to irrigate 75 acres within a 220 acre golf course area located in the SE 1/4 of Section 29 and the E 1/2 NE 1/4 of Section 32; all in T100N-R50W in Lincoln County. Water from the wells will be diverted into two holding ponds (5.0 acre feet of storage capacity) and then from the ponds to irrigate the golf course acreage.

AQUIFER - SIOUX QUARTZITE (SOUX)

The Sioux Quartzite consists of pink, sometimes fractured, well cemented orthquartzite (Niehus, 1994). Ground water is obtained from fractures and joints both horizontal and vertical which are common to the rock in outcrop. Geologically, the quartzite surface is overlain by aquifers such as the Dakota Formation in the immediate area to the south, the Wall Lake aquifer to the north and the Upper Vermillion Missouri to the southwest. According to the well logs filed with the application none of these other aquifers overlie the quartzite at this site. The aquifer is confined and under artesian conditions at this site.

The driller's logs filed with the application indicate the top of the quartzite at 175 and 218 feet below land surface with wells completed to depths of 322 and 432 feet, respectively. Both wells are completed "open hole", that is, casing set to the quartzite surface with the quartzite drilled out to the total depth of the well. Both wells have been completed in accordance with SD Well Construction Standards. The 332 feet deep well had a static water level of 132 feet below land surface and was capable of producing 120 gpm at a pumping level of 300 feet. The 432 feet deep well had a static water level of 135 feet below land surface and was capable of producing 70 gpm at a 200 feet pumping level. Both of these wells, are low yielding in terms of specific capacity (1.1 gpm/ft and 0.7 gpm/ft of drawdown).

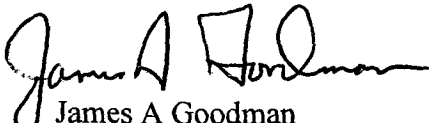
The Water Rights Program does not monitor any observation wells completed into the Sioux Quartzite in this area. Observation well, LN-80P, is located about four miles northwest of this application and completed into the Wall Lake aquifer, observation well, LN-79I, is located about three miles southeast of this application and completed into the Dakota Formation, and observation well, LN-81J, is located about three miles south of this application and completed into the Dakota Formation. All three observation wells are completed into aquifers which directly overlie the quartzite and may be in hydraulic connection. Hydrographs for these three observation wells are included with this report (Water Rights, 2000).

REVIEW OF EXISTING WATER PERMITS/RIGHTS

There is one existing Water Right No. 4936-3 (suburban housing, 0.033 cfs) which obtains water from the Sioux quartzite and is located about two miles west of this application. Interference is not expected to be a concern. Drawdown created by pumping is not expected to be significant at this distance between wells.

CONCLUSIONS

1. Water is available from the Sioux Quartzite aquifer.
2. The aquifer is confined and under artesian conditions. Drawdown will be created by pumping. These wells have relatively low yields and may not be able to continuously produce the amount of water requested.
3. These wells have been constructed in accordance with SD Well Construction Standards.
4. Some incidental surface water will be contained in the two holding ponds (5.0 acre feet of storage) and pumping from the ponds may be 0.67 cfs (300 gpm).
5. Interference is difficult to evaluate for this application. Until testing of the wells, and this is probably best accomplished through seasonal use for irrigation, it is hard to guess what the potential impacts of this diversion will be.



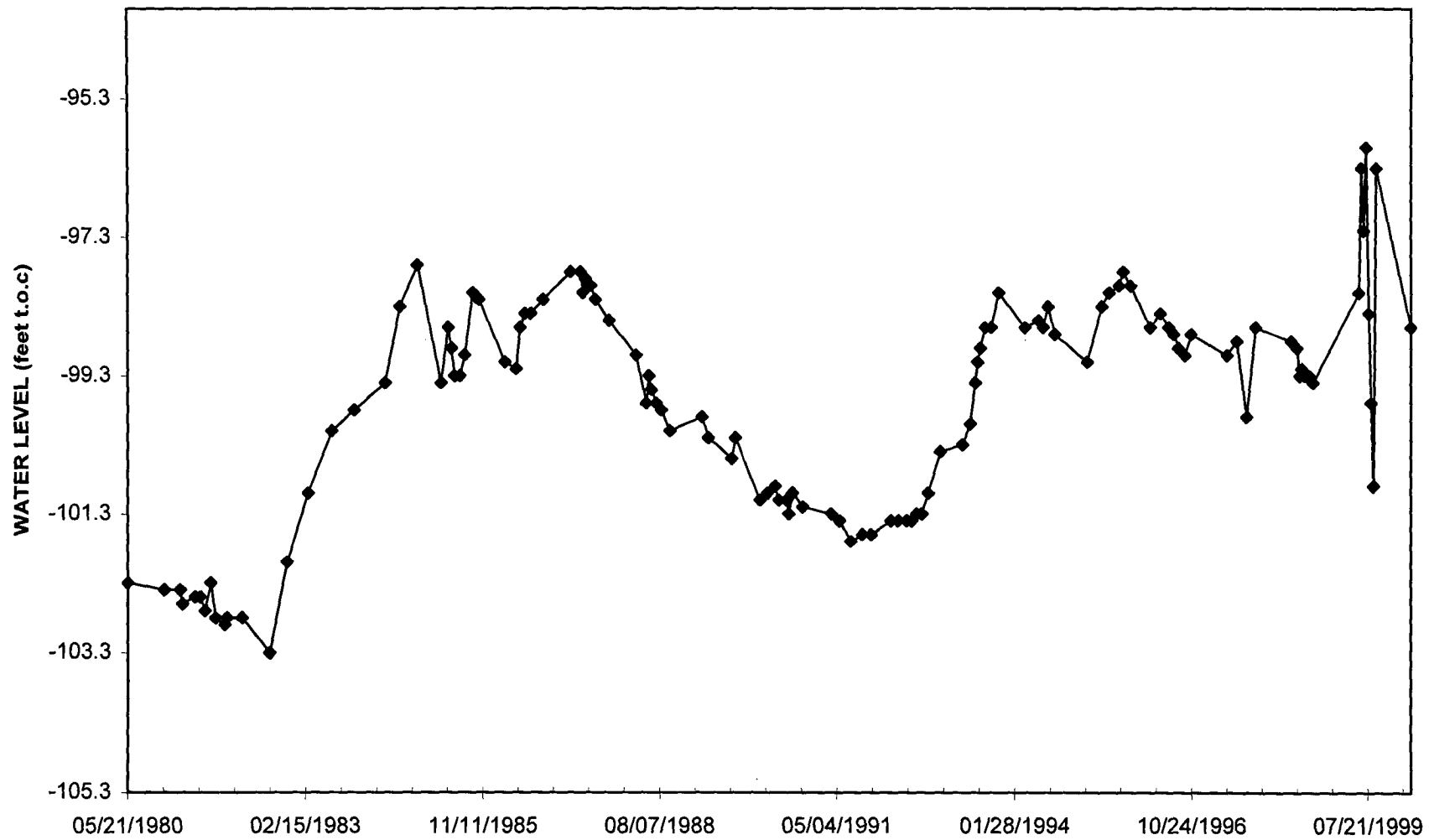
James A Goodman
Natural Resources Engineer

BIBLIOGRAPHY

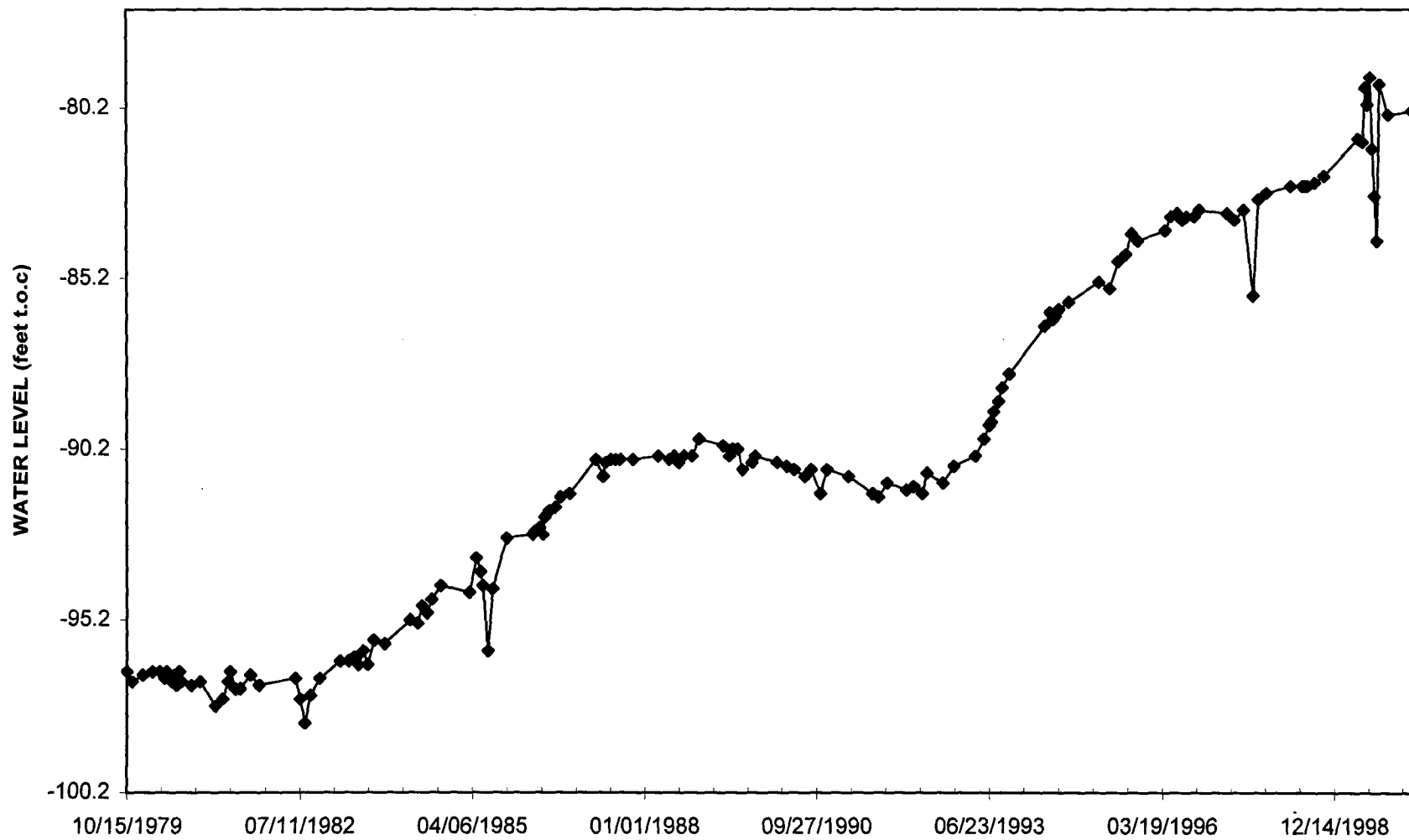
Niehus, C.A., 1994, Water Resources of Lincoln and Union Counties, South Dakota, Water Resources Investigations Report 93-4195, USGS, Rapid City, SD, 57702.

Water Rights, 2000, Unpublished Observation Well Data for Lincoln County, SD DENR, Division of Environmental Services, Pierre, SD, 57501.

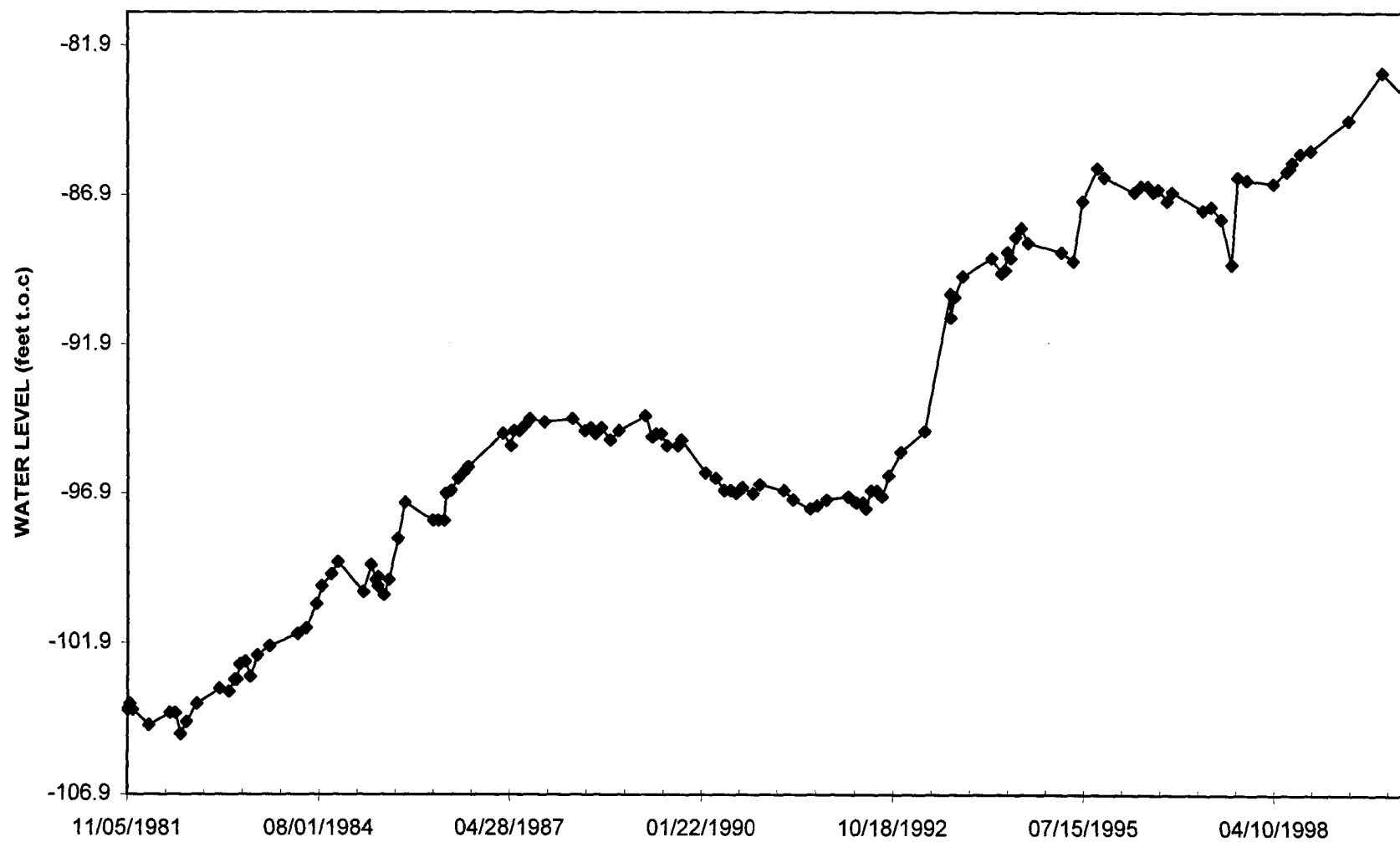
**WATER RIGHTS' OBSERVATION WELL
LN-80P**



**WATER RIGHTS' OBSERVATION WELL
LN-79I**



WATER RIGHTS' OBSERVATION WELL
LN-81J



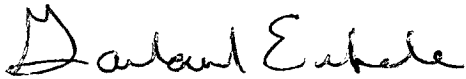
**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 6195-3, Bakker Crossing Golf Course**

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. 6195-3, Bakker Crossing Golf Course, c/o JoAnn Hemphill, 908 Lakeside, Lake Park, IA 51347.

The Chief Engineer is recommending APPROVAL of Application No. 6195-3 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 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. 6195-3 authorizes two ponds with an approximate storage capacity of 5 acre feet of water. The wells may be used for either direct application of water to the irrigated acreage or to maintain the ponds and then diversion of water from the ponds to the irrigated acres.
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
May 10, 2000



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3181
www.state.sd.us/denr

NOTE: TO BE SURE OF PUBLICATION ON
THE CORRECT DATES, CONTACT
THE NEWSPAPER RIGHT AWAY.

May 10, 2000

JoAnn Hemphill
Bakker Crossing Golf Course
908 Lakeside
Lake Park, IA 51347

Dear Ms. Hemphill:

Water Permit Application No. 6195-3 for irrigation use has been examined and found to comply with the South Dakota Water Laws and applicable rules. A notice of hearing has been sent to the Publisher of the Sioux Valley News printed at Canton, SD (Ph # (605) 987-2631). For your information, a copy of the notice, the recommendation of the Chief Engineer and a 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 to authorize publication of your Notice of Hearing and to arrange for payment. Early contact with the paper can eliminate delays. The publisher has been instructed to publish your notice once each week for two consecutive weeks with the last publication to occur twenty days before the board meeting. The newspaper has 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 /KS

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.



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3181
www.state.sd.us/denr

May 10, 2000

Sioux Valley News
Box 255
Canton, SD 57013-0255

ATTENTION: Legal Public Notice

Enclosed is a Notice of Hearing on Application No. 6195-3 to Appropriate Water to be published twice. Please publish the first notice on May 18, 2000, with the second publication 7 days later.

The applicant must verify to you that the notice is to be published, before you make the first publication. **Please BILL the APPLICANT for the cost of publication.** The APPLICANT is JoAnn Hemphill, Bakker Crossing Golf Course, 908 Lakeside, Lake Park, IA 51347 (Ph # (712) 832-3784).

Please send the Water Rights Program the first publication immediately. The publication is checked for accuracy so any corrections can be made in the second publication. You may use the form below or fax a copy of the first publication. Any fax should be sent to the attention of Karen Schlaak at (605) 773-4068. Publication errors can invalidate the public notice.

After the second publication, **please send us an affidavit or use the enclosed Proof of Publication form.** 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 /ics
Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures

-----CU T HERE-----

No. 6195-3

TO: Eric Gronlund
Water Rights Program
Joe Foss Building
Pierre SD 57501-3181

Date _____

We are in receipt of your letter of May 10, 2000, enclosing Notice of Hearing to Appropriate Water by Application No. 6195-3 which was first published in our issue of _____. **ENCLOSED IS A COPY OF THIS FIRST PUBLICATION.**

Name

Newspaper

Instruction to Newspaper - Publish first Notice on May 18, 2000, with the second publication 7 days later. The applicant is responsible for payment.

NOTICE OF APPLICATION NO. 6195-3 to Appropriate Water

Notice is given that JoAnn Hemphill, Bakker Crossing Golf Course, 908 Lakeside, Lake Park IA 51347 has filed an application for a water permit to appropriate 0.67 cubic feet of water per second (300 gallons per minute) from two wells (Sioux Quartzite) 322 feet and 432 feet deep located in the SE ¼ SE ¼ Section 29 and NE ¼ NE ¼ Section 32 to irrigate 75 acres within a 220 acre golf course area located in the SE ¼ Section 29 and the E ½ NE ¼ Section 32; all in T100N-R50W. Water from the wells will be diverted to two holding ponds (5.0 acre-feet storage capacity) to irrigate the acreage. These ponds will also receive incidental surface runoff.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 6195-3 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 the 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 the 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 5, 2000.

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. Nettie H. Myers, Secretary, Department of Environment and Natural Resources.



Affidavit of Publication

STATE OF SOUTH DAKOTA
COUNTY OF LINCOLN

CONNIE RENLI

being first duly sworn on her oath says; that the Sioux Valley News is a legal weekly newspaper of general circulation as required by South Dakota Code of Nineteen Hundred Thirty-Nine, and any acts amendatory thereto, printed and published by the Sioux Valley News, Inc., in Canton, in said county and State, and has been such legal newspaper during the time hereinafter mentioned; that she is and during all of said time was bookkeeper of said newspaper and has personal knowledge of the facts stated in this affidavit; that the advertisement headed:

NOTICE OF APPLICATION NO. 6195-3 TO APPROPRIATE WATER

a printed copy of which is hereto attached, was printed and published in said newspaper for **TWO** successive weeks upon the following dates, to-wit:

MAY 18, 2000
MAY 25, 2000

that the full amount of the fees charged for publishing the same to-wit: the sum of **\$46.37** inures solely to the benefit of the publishers of said newspaper; that no agreement or understanding for any division of this sum has been made with any other person; and that no part of said sum has been agreed to be paid to any person whomsoever.

Connie Renli

Subscribed and sworn to before me this **25th** day of **MAY, 2000**

Joanne M. Limoges
Notary Public, South Dakota

(Seal)

Joanne M. Limoges
My Commission Expires
November 18, 2003

NOTICE OF APPLICATION NO. 6195-3 TO APPROPRIATE WATER

Notice is given that JoAnn Hemphill, Bakker Crossing Golf Course, 908 Lakeside, Lake Park IA 51347 has filed an application for a water permit to appropriate 0.67 cubic feet of water per (300 gallons per minute) from two wells (Sioux Quartzite) 322 feet and 432 feet deep located in the SE1/4SE1/4 Section 29 and NE1/4NE1/4 Section 32 to irrigate 75 acres within a 220 acres golf course area located in the SE1/4 Section 29 and the E1/2NE1/4 Section 32; all in T100N-T50W. Water from the wells will be diverted to two holding ponds (5.0 acre-feet storage capacity) to irrigate the acreage. These ponds will also receive incidental surface runoff.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 6195-3 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 the 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 the 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 in "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 5, 2000.

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. Nettie H. Myers, Secretary, Department of Environment and Natural Resources.

(5-18, 5-25)

Garland Erbele, Chief Engineer
Water Rights Program
Joe Foss Building
523 East Capitol
Pierre, SD 57501-3181



May 19, 2000

Dear Mr. Erbele:

I am writing in support of JoAnn Hemphill's application for a water permit for Bakker Crossing Golf Course in Northern Lincoln County, South Dakota (Application 6195-3).

I am an adjacent landowner to the proposed course and believe that the addition would be good for the area.

I understand that the application meets all applicable legal requirements, that there is sufficient water available, and that you have recommended approval.

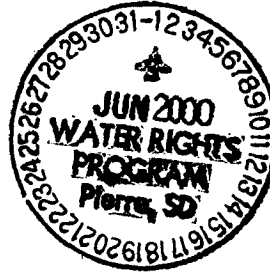
Sincerely,

Mike Lynde

*Mike Lynde
47135 272nd St.
Sioux Falls, S.D.*

57108

Garland Erbele, Chief Engineer
Water Rights Program
Joe Foss Building
523 East Capitol
Pierre, SD 57501-3181



May 19, 2000

Dear Mr. Erbele:

I am writing in support of JoAnn Hemphill's application for a water permit for Bakker Crossing Golf Course in Northern Lincoln County, South Dakota (Application 6195-3).

I live near the proposed course and believe that the addition would be good for the area.

I understand that the application meets all applicable legal requirements, that there is sufficient water available, and that you have recommended approval.

Sincerely,

Nick Barry

27207 Fountain Circle

Harrisburg, SD

57032

Garland Erbele, Chief Engineer
Water Rights Program
Joe Foss Building
523 East Capitol
Pierre, SD 57501-3181



May 19, 2000

Dear Mr. Erbele:

I am writing in support of JoAnn Hemphill's application for a water permit for Bakker Crossing Golf Course in Northern Lincoln County, South Dakota (Application 6195-3).

I live near the proposed course and believe that the addition would be good for the area.

I understand that the application meets all applicable legal requirements, that there is sufficient water available, and that you have recommended approval.

Sincerely,

Alfred W. Mattern & Shawn M. Mattern
87211 Fountain Cir.
Harrisburg, SD 57032

Garland Erbele, Chief Engineer
Water Rights Program
Joe Foss Building
523 East Capitol
Pierre, SD 57501-3181



May 19, 2000

Dear Mr. Erbele:

I am writing in support of JoAnn Hemphill's application for a water permit for Bakker Crossing Golf Course in Northern Lincoln County, South Dakota (Application 6195-3).

I am an adjacent landowner to the proposed course and believe that the addition would be good for the area.

I understand that the application meets all applicable legal requirements, that there is sufficient water available, and that you have recommended approval.

Sincerely,

Lori Oppala
27168 + 72nd
Sioux Falls So. Dak.
57108

Garland Erbele, Chief Engineer
Water Rights Program
Joe Foss Building
523 East Capitol
Pierre, SD 57501-3181



May 19, 2000

Dear Mr. Erbele:

I am writing in support of JoAnn Hemphill's application for a water permit for Bakker Crossing Golf Course in Northern Lincoln County, South Dakota (Application 6195-3).

I am an adjacent landowner to the proposed course and believe that the addition would be good for the area.

I understand that the application meets all applicable legal requirements, that there is sufficient water available, and that you have recommended approval.

Sincerely,

Gerald Shatterer
27232 47th Ave
Harrisburg, S.D.
57032

Garland Erbele, Chief Engineer
Water Rights Program
Joe Foss Building
523 East Capitol
Pierre, SD 57501-3181



May 19, 2000

Dear Mr. Erbele:

I am writing in support of the application for a water permit for Bakker Crossing Golf Course in Northern Lincoln County, South Dakota (Application 6195-3).

I am a golfer, and believe that the course is greatly needed to meet current and future recreational needs in Lincoln County and the Sioux Falls area.

I understand that the application meets all applicable legal requirements, that there is sufficient water available, and that you have recommended approval.

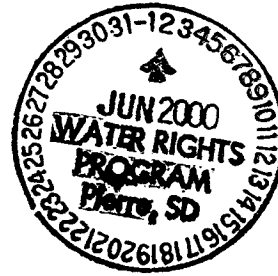
Sincerely, Jeffrey B. Lveck

PO 205

Tea SO 57064

JB Lveck

Garland Erbele, Chief Engineer
Water Rights Program
Joe Foss Building
523 East Capitol
Pierre, SD 57501-3181



May 19, 2000

Dear Mr. Erbele:

I am writing in support of JoAnn Hemphill's application for a water permit for Bakker Crossing Golf Course in Northern Lincoln County, South Dakota (Application 6195-3).

I live near the proposed course and believe that the addition would be good for the area.

I understand that the application meets all applicable legal requirements, that there is sufficient water available, and that you have recommended approval.

Sincerely,

Garland & Jethu Admear

47252-272nd St.

SF SD 57108

Garland Erbele, Chief Engineer
Water Rights Program
Joe Foss Building
523 East Capitol
Pierre, SD 57501-3181



May 19, 2000

Dear Mr. Erbele:

I am writing in support of JoAnn Hemphill's application for a water permit for Bakker Crossing Golf Course in Northern Lincoln County, South Dakota (Application 6195-3).

I am an adjacent landowner to the proposed course and believe that the addition would be good for the area.

I understand that the application meets all applicable legal requirements, that there is sufficient water available, and that you have recommended approval.

Sincerely,

Jenn's Albens
27129 471st Ave Sioux Falls S.D. 57108

Garland Erbele, Chief Engineer
Water Rights Program
Joe Foss Building
523 East Capitol
Pierre, SD 57501-3181



May 19, 2000

Dear Mr. Erbele:

I am writing in support of JoAnn Hemphill's application for a water permit for Bakker Crossing Golf Course in Northern Lincoln County, South Dakota (Application 6195-3).

I know the family that is applying for the application. They have farmed the property for many years, and I believe the golf course would be good for Lincoln County and the Sioux Falls area.

I understand that the application meets all applicable legal requirements, that there is sufficient water available, and that you have recommended approval.

Sincerely,

Shiela Adrian Wright
27204 Fountain Circle
Harrisburg, SD 57032
Tex Wright

Garland Erbele, Chief Engineer
Water Rights Program
Joe Foss Building
523 East Capitol
Pierre, SD 57501-3181



May 19, 2000

Dear Mr. Erbele:

I am writing in support of JoAnn Hemphill's application for a water permit for Bakker Crossing Golf Course in Northern Lincoln County, South Dakota (Application 6195-3).

I live near the proposed course and believe that the addition would be good for the area.

I understand that the application meets all applicable legal requirements, that there is sufficient water available, and that you have recommended approval.

Sincerely,

Sandra Hemphill

Sandra Hemphill
472/58 272nd St.
SIOUX FALLS, SD
57108

Garland Erbele, Chief Engineer
Water Rights Program
Joe Foss Building
523 East Capitol
Pierre, SD 57501-3181



May 19, 2000

Dear Mr. Erbele:

I am writing in support of JoAnn Hemphill's application for a water permit for Bakker Crossing Golf Course in Northern Lincoln County, South Dakota (Application 6195-3).

I am an adjacent landowner to the proposed course and believe that the addition would be good for the area.

I understand that the application meets all applicable legal requirements, that there is sufficient water available, and that you have recommended approval.

Sincerely,

Dennis Larson
27137 472nd Ave
Sioux Falls, SD 57108

Garland Erbele, Chief Engineer
Water Rights Program
Joe Foss Building
523 East Capitol
Pierre, SD 57501-3181



May 19, 2000

Dear Mr. Erbele:

I am writing in support of JoAnn Hemphill's application for a water permit for Bakker Crossing Golf Course in Northern Lincoln County, South Dakota (Application 6195-3).

I am an adjacent landowner to the proposed course and believe that the addition would be good for the area.

I understand that the application meets all applicable legal requirements, that there is sufficient water available, and that you have recommended approval.

Sincerely,

Ronald Allen

27156 471st Ave.

Sioux Falls S.D. 57108

Garland Erbele, Chief Engineer
Water Rights Program
Joe Foss Building
523 East Capitol
Pierre, SD 57501-3181



May 19, 2000

Dear Mr. Erbele:

I am writing in support of JoAnn Hemphill's application for a water permit for Bakker Crossing Golf Course in Northern Lincoln County, South Dakota (Application 6195-3).

I know the family that is applying for the application. They have farmed the property for many years, and I believe the golf course would be good for Lincoln County and the Sioux Falls area.

I understand that the application meets all applicable legal requirements, that there is sufficient water available, and that you have recommended approval.

Sincerely,

Jerry L. Adrain
27219 - 473rd ave
Sioux Falls, SD 57108

Garland Erbele, Chief Engineer
Water Rights Program
Joe Foss Building
523 East Capitol
Pierre, SD 57501-3181



May 19, 2000

Dear Mr. Erbele:

I am writing in support of JoAnn Hemphill's application for a water permit for Bakker Crossing Golf Course in Northern Lincoln County, South Dakota (Application 6195-3).

I live near the proposed course and believe that the addition would be good for the area.

I understand that the application meets all applicable legal requirements, that there is sufficient water available, and that you have recommended approval.

Sincerely,

Robert V. Cline
47259 272 W ST
Sioux Falls S.D. 57108



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

JUN 14 2000

JoAnn Hemphill
Bakker Crossing Golf Course
908 Lakeside
Lake Park, IA 51347

Dear Ms. Hemphill:

Enclosed is Water Permit No. 6195-3 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



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

November 2, 2004

6195-3

Joann Hemphill
Bakker Crossing Golf Course
6525 S Killarney Ct
Sioux Falls SD 57108-3207

Dear Ms. Hemphill:

Enclosed is a "Notice" dated October 22, 2004 concerning the 2004 irrigation questionnaire. The notice was originally mailed to 908 Lakeside, Lake Park IA 51347. The post office notified us that your address has changed and I will update our records accordingly.

If you have any questions, please contact me.

Sincerely,

Genny McMath
Environmental Scientist
Water Rights Program
(605) 773-3352

enclosures



6195-3

DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

November 2, 2006

Donn Hill, Manager
Bakker Crossing Golf Course
27207 472nd Avenue
Sioux Falls SD 57108

Dear Mr. Hill:

I am writing regarding the water right permit held by Bakker Crossing Golf Course for irrigation of the course. Water Permit No. 6195-3 (copy enclosed) appropriates 300 gallons per minute (gpm) from two wells to irrigate the 61 acres developed for irrigation. The permit includes two holding ponds.

In 2005, an onsite visit was conducted by Water Rights Engineer Lynn Beck for the purpose of licensing the water right. Licensing is a process of determining the extent a project was developed. At that time, Lynn was informed by Brent Veninga with Bakker Crossing that each well produced 250 gpm for a combined diversion of 500 gpm. This exceeded the 300 gpm authorized by the water right permit. Therefore, Lynn prompted Bakker Crossing to file an application for the additional 200 gpm to get the proper permit in place to reflect the diversion taking place. On September 18th, Water Rights received Bakker Crossing's application to appropriate an additional 200 gpm.

Bakker Crossing's application was given to a staff engineer for the purpose of preparing a report. In reviewing the well completion reports submitted by the driller, it appeared that neither well is capable of supplying the 250 gpm. Water Rights contacted Dave Putzke who completed the two wells and installed the pumps for Bakker Crossing. Mr. Putzke indicated that submersible pumps capable of diverting 100 gpm were installed in each well.

Based on the information provided by the well driller, the total diversion capability from the two wells is 200 gpm which is within the amount authorized by the existing permit. If this is the case, there is no need to obtain a new permit and the existing permit can be licensed for 200 gpm from the wells to irrigate 61 acres.

If the combined capacity of the two wells is greater than 200 gpm, please let me know. If I do not hear from you by December 1st, I will proceed with refunding Bakker Crossing the application filing fee and we will proceed with licensing the permit for 200 gpm from the two wells to irrigate 61 acres. Water from the holding ponds may be diverted at a rate of 400 gpm to pressurize the sprinkler system.

Sincerely,

A handwritten signature in cursive script, appearing to read "Eric Gronlund".

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

Permit No. 6195-3**Big Sioux River - Water District****Report of Examination of Works and/or Application of Water to Beneficial Use**

TO: Chief Engineer, Water Rights Program, DENR, Foss Bldg., Pierre, SD 57501

I have this day, July 26, 2005, made a thorough examination of the water use system constructed by JoAnn Hemphil, Bakker Crossing Golf Course of 908 Lakeside, Lake Park IA 51347 holder of Permit No. 6195-3, bearing the priority of April 17, 2000 authorizing the diversion of 0.67 cu. ft. per second and/or the storage of 5.0 acre-feet of the waters of Sioux Quartzite and runoff for irrigation purposes, in Lincoln County.

Inspection contact & relationship
to permit holder, if applicable:

JoAnn Hemphil – (712) 832-3784; Course number – (605)368-9700; Brent Veninga – (605)368-9788

A. Works used to divert the water:**Well Information:**

North Well	South Well
1. Well Drilling Firm: <u>Dave Putzke Well Drilling Inc.</u> 2. Depth(s) <u>322</u> feet 3. Well log is available <u>yes</u> Casing: 1. Diameter <u>6</u> inches 2. Length <u>175</u> feet 3. Type <u>steel</u> Screen: Granite formation Pump: 1. Make <u>Submersible</u> 2. Model 3. Size 4. Capacity <u>100</u> GPM Motor: 1. Make <u>submersible</u> 2. Model No. 3. Horsepower rating hp	1. Well Drilling Firm: <u>Dave Putzke Well Drilling Inc.</u> 2. Depth(s) <u>432</u> feet 3. Well log is available <u>yes</u> Casing: 1. Diameter <u>6</u> inches 2. Length <u>218</u> feet 3. Type <u>steel</u> Screen: Granite formation Pump: 1. Make <u>Submersible</u> 2. Model 3. Size 4. Capacity <u>100</u> GPM Motor: 1. Make <u>submersible</u> 2. Model No. 3. Horsepower rating hp
At North Pond	At South Pond
Pump: 1. Make <u>Goulds</u> 2. Model 3. Size 4. Capacity <u>200</u> GPM Motor: 1. Make <u>Marathon Electric</u> 2. Model No. <u>324TTDP8313BD</u> 3. Horsepower rating <u>50</u> hp	Pump: 1. Make <u>Goulds</u> 2. Model <u>11BFK1</u> 3. Size 4. Capacity <u>200</u> GPM Motor: 1. Make <u>US Electric</u> 2. Model No. <u>N871</u> 3. Horsepower rating <u>40</u> hp

Pond Information:

1. Surface dimensions N Pond .75 acres and S Pond 0.70 acres
2. Depth 10 ft
3. Storage 5 total ac-ft

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

- 1) Type pvc
- 2) Size 4 inches
- 3) Length 2650 feet

C. Works used to apply water to beneficial use:**Sprinkler System:**

1. Make Torro 750's and Rainbird 900 Eagles
2. Capacity Torro 40 gpm per head/ Rainbird 46 gpm per head GPM

Run 9-10 heads at a time for a capacity of 400 gpm.

Chemigation Equipment:

1. Does chemigate no

D. Compliance with Permit Requirements:

1. Permit qualifications being abided by yes
2. Irrigation Questionnaires checked to determine if permit owner started irrigation by the end of construction period yes
3. Exceptions to compliance are: none

The system is in good condition with the point(s) of diversion located as follows: N well 700' N and 1185' W(43.448207/-96.771814), N pump house 1350' N and 1715' W (43.450047/-96.773756), S well 665' S and 175' W (43.44436/-96.768085), S pump house 350' S and 770' W (43.445289/-96.770245) all from the SE corner Section 29-T100N-R50W. The works are capable of diverting and conveying to the place of use 0.44 cu. ft. per second of water from the wells to the ponds, 0.89 cu. ft. per second through the irrigation system, and storing 5 acre-feet of water which is to be used for irrigation. Water has been put to beneficial use to the maximum extent as follows:

Section 29-T100N-R50W:

NE $\frac{1}{4}$ SE $\frac{1}{4}$ 9 acres
NW $\frac{1}{4}$ SE $\frac{1}{4}$ 17 acres
SW $\frac{1}{4}$ SE $\frac{1}{4}$ 5 acres
SE $\frac{1}{4}$ SE $\frac{1}{4}$ 7 acres

Section 32-T100N-R50W

NE $\frac{1}{4}$ NE $\frac{1}{4}$ 10 acres
SE $\frac{1}{4}$ NE $\frac{1}{4}$ 13 acres

comprising a total of 61 acres of land and the license should be issued for 0.44 cfs and/or 5 acre-feet of storage.

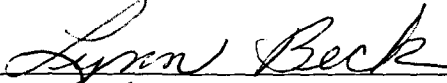
All structures, wells and lands on map yes

Report of Examination of Works

Permit No. 6195-3

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

The two wells authorized by Permit No. 6195-3 divert at a combined rate of 0.44 cfs (100 gpm each) which may be used for direct application of water to the irrigated lands or to maintain the ponds and then diverted through the irrigation system. The irrigation system is operated at a rate of 0.89 cfs.



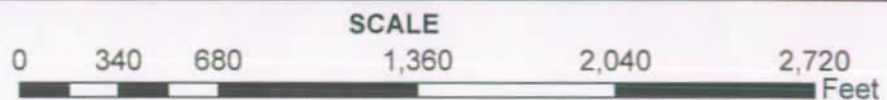
Lynn Beck

Natural Resources Engineer Specialist
DENR, Water Rights Program

Date report completed: **December 20, 2006**

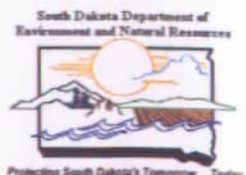
WATER RIGHT NO. 6195-3
JoAnn Hemphill, Bakker Crossing Golf Course
R50W

T100N



Lynn Beck

Lynn Beck
 Natural Resources Engineer
 DENR - Water Rights Program
 June 19, 2006



STATE OF SOUTH DAKOTA

WATER LICENSE NO. 6195-3

(1) Bakker Crossing Golf Course, c/o Donn Hill, 47172 Clubhouse Rd, Sioux Falls SD 57108 made Application No. 6195-3, April 17, 2000 for a water permit to divert 0.67 cubic feet of water per second from groundwater (two wells), Lincoln County, South Dakota for irrigation purposes. Permit No. 6195-3, with a priority date of April 17, 2000 was approved June 5, 2000 and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before June 5, 2005 and for the application to beneficial use of water on or before June 5, 2009.

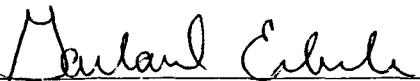
(2) The water supply system has been completed and water applied to beneficial use in accordance with South Dakota State Law. Pursuant to South Dakota Codified Law 46-5-30.1, the holder and/or owner of Water Right No. 6195-3 is issued a license, bearing a priority date of April 17, 2000 to appropriate 0.44 cubic feet of water per second from groundwater (two wells). Water from the wells is diverted to two holding ponds (5 acre-feet storage capacity) to irrigate 61 acres.

The diversion points are located: North well – 700 feet north and 1,185 feet west (SE ¼ SE ¼ Section 29); North pond – 1,350 feet north and 1,715 feet west (NW ¼ SE ¼ Section 29); South well – 665 feet south and 175 feet west (NE ¼ NE ¼ Section 32); South pond – 350 feet south and 770 feet west (NE ¼ NE ¼ Section 32); all from the southeast corner of Section 29-T100N-R50W. The acres authorized for irrigation are as follows:

Sec 29-T100N-R50W	NE ¼ SE ¼	9 ac	Sec 32-T100N-R50W	NE ¼ NE ¼	10 ac
	NW ¼ SE ¼	17 ac		SE ¼ NE ¼	13 ac
	SW ¼ SE ¼	5 ac			
	SE ¼ SE ¼	7 ac	Total 61 acres		

(3) This license is subject to South Dakota Water Law, any limitations or conditions listed in Water Permit No. 6195-3 including the following now applicable 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.
- Water Permit No. 6195-3 authorizes two ponds with an approximate storage capacity of 5 acre-feet of water. The wells may be used for either direct application of water to the irrigated acreage or to maintain the ponds and then water diverted from the ponds to the irrigated acres.
- This Permit is approved subject to the irrigation water use questionnaire being submitted each year.


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

MAY 01 2007
date





DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

MAY 01 2007

6195-3

BAKKER CROSSING GOLF COURSE
DONN HILL
47172 CLUBHOUSE RD
SIOUX FALLS SD 57108

Dear Mr. Hill:

Enclosed is Water License No. 6195-3. This is the final water right document completing your process of obtaining a Water Right.

For your information SDCL 46-6-27 requires that if the owner of an existing well, such as the well authorized by Water Right No. 6195-3, 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 License, the State Water Laws provide that you have a continuing right to use the water. If you have any questions, please contact our office.

Sincerely,

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

enclosures