

Kansas Department of Agriculture
Division of Water Resources
CLOSURE OF NEW APPLICATION WORKSHEET

1. File Number: <p style="text-align: center;">49591</p>	2. Status Change Date: <p style="text-align: center;"><i>5/4/2017</i></p>	3. Field Office: <p style="text-align: center;">02</p>	4. GMD: <p style="text-align: center;">02</p>
5. Status: <input type="checkbox"/> Approved <input checked="" type="checkbox"/> Denied by DWR/GMD <input type="checkbox"/> Dismiss by Request/Failure to Return			
6. Enclosures: <input type="checkbox"/> Check Valve <input type="checkbox"/> N of C Form <input type="checkbox"/> Water Tube <input type="checkbox"/> Driller Copy <input type="checkbox"/> Meter			
7a. Applicant(s) <input type="checkbox"/> New to system Person ID 58260 Add Seq# <u>1</u> ROBERT A & SUSAN D BACON 3616 S MAYFIELD RD HUTCHINSON KS 67501	7c. Landowner(s) <input type="checkbox"/> New to system Person ID _____ Add Seq# _____		
7b. Landowner(s) <input type="checkbox"/> New to system Person ID 64924 Add Seq# <u>1</u> CLIFFORD EUGENE STRANDBERG 2512 VILLAGE ROAD CHARLESTON IL 61920	7d. Landowner <input type="checkbox"/> New to system Person ID _____ Add Seq# _____		
8. WUR Correspondent <input type="checkbox"/> New to system Overlap File (s) WUC <input type="checkbox"/> Agree <input type="checkbox"/> Yes <input type="checkbox"/> No Person ID _____ Add Seq# _____ Notarized WUC Form _____	9. Use of Water: Changing? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Groundwater <input type="checkbox"/> Surface Water <input type="checkbox"/> IRR <input type="checkbox"/> REC <input type="checkbox"/> DEW <input type="checkbox"/> MUN <input type="checkbox"/> STK <input type="checkbox"/> SED <input type="checkbox"/> DOM <input type="checkbox"/> CON <input type="checkbox"/> HYD DRG <input type="checkbox"/> WTR PWR <input type="checkbox"/> ART RECHRG <input type="checkbox"/> IND SIC: _____ <input type="checkbox"/> OTHER: _____		
10. Completion Date: _____ 11. Perfection Date: _____ 12. Exp Date: _____			
13. Conservation Plan Required? <input type="checkbox"/> Yes <input type="checkbox"/> No Date Required: _____ Date Approved: _____ Date to Comply: _____			
14. Water Level Measuring Device? <input type="checkbox"/> Yes <input type="checkbox"/> No Date to Comply: _____ Date WLMD Installed: _____			
Date Prepared: 04/26/2017 By: RAK Date Entered: <i>5/9/2017</i> By: <i>LLM</i>			

KANSAS DEPARTMENT OF AGRICULTURE
Division of Water Resources

M E M O R A N D U M

TO: Files

DATE: April 25, 2017

FROM: Richelle A. Krueger

RE: Application
File No. 49,591

Robert A. Bacon filed the referenced application on March 23, 2016, proposing the appropriation of 94.50 acre-feet of groundwater for irrigation use from one well to be located 1,340 feet North and 3,960 feet West of the Southeast corner of Section 24, Township 23 South, Range 5 West, Reno County, Kansas.

On November 16, 2016, a copy of the referenced application was submitted to Equus Beds Groundwater Management District (GMD) No. 2 for review and recommendation, and in a letter dated January 30, 2017, GMD No. 2 recommended denial of the application since the application does not comply with the District's safe yield regulation K.A.R. 5-22-7(a) as existing and proposed consumptive appropriations exceed the maximum allowable. The applicant was advised of the District's recommendation in a letter dated February 1, 2017 and given 15 days to either submit additional information to the Office of the Chief Engineer or to request additional time to submit additional information and consult with the District regarding their recommendation. In a February 7, 2017 e-mail to GMD No. 2 staff and Division of Water Resources, Kansas Department of Agriculture staff, the applicant indicated that he would not appeal the GMD No. 2 decision. No further responses have been received from the applicant regarding this application.

The application should be denied and dismissed and its priority forfeited for failure to comply with K.A.R. 5-22-7(a).



Richelle A. Krueger
Environmental Scientist

1320 Research Park Drive
Manhattan, Kansas 66502
(785) 564-6700



900 SW Jackson, Room 456
Topeka, Kansas 66612
(785) 296-3556

Jackie McClaskey, Secretary

Governor Sam Brownback

May 9, 2017

COPY

ROBERT A AND SUSAN D BACON
3616 S MAYFIELD RD
HUTCHINSON KS 67501

RE: Appropriation of Water, File Nos. 49,587; 49,588; 49,589; 49,590; 49,592; 49,593 and 49,594
Dismissal of Application, File No. 49,591

Dear Mr. and Mrs. Bacon:

Enclosed is the Findings and Order by the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, dismissing Application, File No. 49,591, for failure to meet safe yield criteria per K.A.R. 5-22-7(a).

In addition, enclosed are permits (File Nos. 49,587; 49,588; 49,589; 49,590; 49,592; 49,593 and 49,594) to appropriate water authorizing you to proceed with construction of the proposed diversion works (except those dams and stream obstructions regulated by K.S.A. 82a-301 through 305a), to divert such unappropriated water as may be available from the source and at the locations specified in the permits, and to use it for the purpose and at the locations described in the permits.

Your attention is directed to the enclosures and to the terms, conditions, and limitations specified in these permits. Water meters are required and you must install them prior to water being put to beneficial use in order for you to maintain accurate records of water use. The meters should be used to provide the information required on the annual water use reports.

Failure to notify the Chief Engineer of the Division of Water Resources of the completion of the diversion works within the time allowed, or within any authorized extension of time thereof, will result in the dismissal of these permits. Enclosed are forms which may be used to notify the Chief Engineer that the proposed diversion works have been completed.

All requests for extensions of time to complete diversion works, or to perfect appropriations, must be submitted to the Chief Engineer before the expiration of time originally set forth in the permit to complete diversion works or to perfect an appropriation. If for any reason, you require an extension of time, you must request it before the expiration of time set forth in this permit. Failure to comply with this regulation will result in the dismissal of your permit or your water right. Any request for an extension of time shall be accompanied by the required statutory fee, which is currently \$100.00.

There is also enclosed an information sheet setting forth the procedure to obtain a Certificate of Appropriation which will establish the extent of your water rights.

(OVER→)

ROBERT A AND SUSAN D BACON

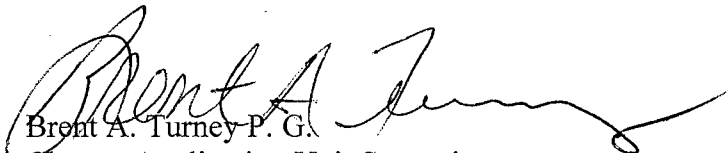
File Nos. 49,587; 49,588; 49,589; 49,590; 49,591; 49,592; 49,593 and 49,594

Page 2

Please be reminded that reports of water usage must be submitted to this office annually. Records indicating the amount of water used should be furnished to the Chief Engineer by March 1 following the end of the previous calendar year so that the continued use of water becomes a matter of record in this office. The owner, or his or her legally designated agent, is held responsible for submitting annual water use reports. Failure to file an accurate water use report is a violation of law which makes you subject to civil penalties.

If you have any questions, please contact this office. If you call, please reference the file number so we can help you more efficiently.

Sincerely,



Brent A. Turney P. G.
Change Application Unit Supervisor

BAT

pc: Stafford Field Office
Groundwater Management District No. 2
Clifford Eugene Strandberg
William C. Ellis Family Trust
Robert C. Bacon Rev. Trust, c/o Juanita Bacon
John S. Bacon Rev. Trust
Hannah Eldridge Trust, c/o Elaine Eldridge



KANSAS DEPARTMENT OF AGRICULTURE
Jackie McClaskey, Secretary of Agriculture

DIVISION OF WATER RESOURCES
David W. Barfield, Chief Engineer

**FINDINGS AND ORDER
IN THE MATTER OF THE
DISMISSAL OF APPLICATION
FILE NO. 49,591**

FILE COPY

After due consideration, the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture (hereinafter referred to as the "Chief Engineer"), makes the following findings and order:

FINDINGS

1. That on March 23, 2016, the Chief Engineer received an application from Robert A. Bacon for a permit to appropriate water for beneficial use, assigned File No. 49,591, proposing the appropriation of 94.50 acre-feet of groundwater for irrigation use. The application proposed one well located in the Southwest Quarter of the Northeast Quarter of the Southwest Quarter (SW $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$) of Section 24, more particularly described as being near a point 1,340 feet North and 3,960 feet West of the Southeast corner of said section, in Township 23 South, Range 5 West, Reno County, Kansas.
2. That on November 16, 2016, a copy of the referenced application was submitted to Equus Beds Groundwater Management District (GMD) No. 2 for review and recommendation.
3. That in a letter dated January 30, 2017, GMD No. 2 recommended denial of the application since the application does not comply with the District's safe yield regulation K.A.R. 5-22-7(a) as existing and proposed consumptive appropriations exceed the maximum allowable.
4. That in a letter dated February 1, 2017, the applicant was advised of the GMD No. 2 recommendation and given 15 days (until February 16, 2017) to either submit additional information to the Office of the Chief Engineer or to request additional time to submit additional information and consult with the District regarding their recommendation. The applicant was further advised that the application would be submitted to the Chief Engineer for a final decision based on the District's recommendation if additional time was not requested.
5. That in a February 7, 2017 e-mail to GMD No. 2 staff and Division of Water Resources, Kansas Department of Agriculture staff, the applicant indicated that he would not appeal the GMD No. 2 decision. No further responses have been received from the applicant regarding this application.
6. That the application should be denied and dismissed and its priority forfeited for failure to comply with K.A.R. 5-22-7(a).

ORDER

NOW, THEREFORE, It is the decision and order of the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, that effective the date of this order, in accordance with the law, Application, File No. 49,591, is herewith dismissed and the priority assigned to it is considered to be forfeited.

This Order shall become a final agency action, as defined by K.S.A. 77-607(b), without further notice to the parties, if a request for hearing or a petition for administrative review is not filed as set forth below.

Request for Hearing. According to K.A.R. 5-14-3(c), any party who desires a hearing must submit a request within 15 days after the date shown on the Certificate of Service attached to this Order. Filing a request for a hearing will give you the opportunity to submit additional facts for consideration, contest any findings made by the Chief Engineer, or present any other information you believe should be considered in this matter. A timely-filed request for hearing will stay the deadline for requesting administrative review of this Order pending the outcome of the hearing.

Petition for Review. The applicant, if aggrieved by this Order, may petition for administrative review, pursuant to K.S.A. 82a-711(c) and K.S.A. 82a-1901(a). The petition must be filed within 30 days after the date shown on the Certificate of Service attached to this Order and must set forth the basis for the review, unless stayed by the timely filing of a request for hearing.

Any request for hearing or petition for administrative review shall be in writing and shall be submitted to the attention of: Chief Legal Counsel, Kansas Department of Agriculture, 1320 Research Park Drive, Manhattan, Kansas 66502, Fax: (785) 564-6777.

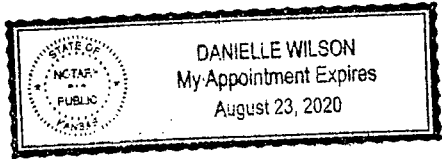
Ordered this 4th day of May, 2017, in Topeka, Shawnee County, Kansas.

Lane P. Letourneau

Lane P. Letourneau, P.G.
Program Manager
Water Appropriation Program
Division of Water Resources
Kansas Department of Agriculture

State of Kansas)
) SS
County of Riley)

The foregoing instrument was acknowledged before me this 4th day of May, 2017, by Lane P. Letourneau, P.G., Program Manager, Division of Water Resources, Kansas Department of Agriculture.



Danielle Wilson

Notary Public

CERTIFICATE OF SERVICE

On this ^{9th} day of *May*, 2017, I hereby certify that the foregoing Dismissal of Application, File No. 49,591, dated *May 4th, 2017* was mailed postage prepaid, first class, US mail to the following:

ROBERT A BACON
3616 S MAYFIELD RD
HUTCHINSON KS 67501

With photocopies to:

CLIFFORD EUGENE STRANDBERG
2512 VILLAGE ROAD
CHARLESTON IL 61920

Stafford Field Office
Groundwater Management District No. 2



Division of Water Resources

5

THE STATE OF KANSAS



MAR 23 2016 4:18

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KANSAS DEPARTMENT OF AGRICULTURE Jackie McClaskey, Secretary of Agriculture

DIVISION OF WATER RESOURCES David W. Barfield, Chief Engineer

File Number 49,591

This item to be completed by the Division of Water Resources.

APPLICATION FOR PERMIT TO APPROPRIATE WATER FOR BENEFICIAL USE

Filing Fee Must Accompany the Application (Please refer to Fee Schedule attached to this application form.)

To the Chief Engineer of the Division of Water Resources, Kansas Department of Agriculture, 1320 Research Park Drive, Manhattan, Kansas 66502:

1. Name of Applicant (Please Print): Robert A Bacon
Address: 3616 S Mayfield Road
City: Hutchinson State: KS Zip Code: 67501
Telephone Number: (620) 662-4424

2. The source of water is: [] surface water in [] OR [x] groundwater in Little Arkansas River (stream/drainage basin)

Certain streams in Kansas have minimum target flows established by law or may be subject to administration when water is released from storage for use by water assurance district members. If your application is subject to these regulations on the date we receive your application, you will be sent the appropriate form to complete and return to the Division of Water Resources.

3. The maximum quantity of water desired is 94.5 acre-feet OR [] gallons per calendar year, to be diverted at a maximum rate of 800 gallons per minute OR [] cubic feet per second.

Once your application has been assigned a priority, the requested maximum rate of diversion and maximum requested quantity of water under that priority number can NOT be increased. Please be certain your requested maximum rate of diversion and maximum quantity of water are appropriate and reasonable for your proposed project and are in agreement with the Division of Water Resources' requirements.

4. The water is intended to be appropriated for (Check use intended):
(a) [] Artificial Recharge (b) [x] Irrigation (c) [] Recreational (d) [] Water Power
(e) [] Industrial (f) [] Municipal (g) [] Stockwatering (h) [] Sediment Control
(i) [] Domestic (j) [] Dewatering (k) [] Hydraulic Dredging (l) [] Fire Protection
(m) [] Thermal Exchange (n) [] Contamination Remediation

YOU MUST COMPLETE AND ATTACH ADDITIONAL DIVISION OF WATER RESOURCES FORM(S) PROVIDING INFORMATION TO SUBSTANTIATE YOUR REQUEST FOR THE AMOUNT OF WATER FOR THE INTENDED USE REFERENCED ABOVE.

For Office Use Only:
F.O. 2 GMD 2 Meets K.A.R. 5-3-1 (YES/NO) Use IRR Source (G) S County RN By AJW Date 3/24/16
Code 2EG Fee \$ 200 TR # 16027926 Receipt Date 3/23/16 Check # 1085

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5. The location of the proposed wells, pump sites or other works for diversion of water is:

Note: For the application to be accepted, the point of diversion location must be described to at least a 10 acre tract, unless you specifically request a 60 day period of time in which to locate the site within a specifically described, minimal legal quarter section of land.

- (A) One in the SW quarter of the NE quarter of the SW quarter of Section 24, more particularly described as being near a point 4340 feet North and 3960 feet West of the Southeast corner of said section, in Township 23 South, Range 5 East/West (circle one), RENO County, Kansas.
- (B) One in the _____ quarter of the _____ quarter of the _____ quarter of Section _____, more particularly described as being near a point _____ feet North and _____ feet West of the Southeast corner of said section, in Township _____ South, Range _____ East/West (circle one), _____ County, Kansas.
- (C) One in the _____ quarter of the _____ quarter of the _____ quarter of Section _____, more particularly described as being near a point _____ feet North and _____ feet West of the Southeast corner of said section, in Township _____ South, Range _____ East/West (circle one), _____ County, Kansas.
- (D) One in the _____ quarter of the _____ quarter of the _____ quarter of Section _____, more particularly described as being near a point _____ feet North and _____ feet West of the Southeast corner of said section, in Township _____ South, Range _____ East/West (circle one), _____ County, Kansas.

If the source of supply is groundwater, a separate application shall be filed for each proposed well or battery of wells, except that a single application may include up to four wells within a circle with a quarter (1/4) mile radius in the same local source of supply which do not exceed a maximum diversion rate of 20 gallons per minute per well.

A battery of wells is defined as two or more wells connected to a common pump by a manifold; or not more than four wells in the same local source of supply within a 300 foot radius circle which are being operated by pumps not to exceed a total maximum diversion rate of 800 gallons per minute and which supply water to a common distribution system.

6. The owner of the point of diversion, if other than the applicant is (please print):

Clifford Eugene Strandberg 217.345.7261
(name, address and telephone number)

2512 Village Road Charleston IL 61920
(name, address and telephone number)

You must provide evidence of legal access to, or control of, the point of diversion from the landowner or the landowner's authorized representative. Provide a copy of a recorded deed, lease, easement or other document with this application. In lieu thereof, you may sign the following sworn statement:

I have legal access to, or control of, the point of diversion described in this application from the landowner or the landowner's authorized representative. I declare under penalty of perjury that the foregoing is true and correct.

Executed on March 22, 2016. Robert Bacon
Applicant's Signature

The applicant must provide the required information or signature irrespective of whether they are the landowner. Failure to complete this portion of the application will cause it to be unacceptable for filing and the application will be returned to the applicant.

7. The proposed project for diversion of water will consist of 1 well
(number of wells, pumps or dams, etc.)

and (was)(will be) completed (by) 1-1-18
(Month/Day/Year - each was or will be completed)

8. The first actual application of water for the proposed beneficial use was or is estimated to be RECEIVED 1/18
(Mo/Day/Year)

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9. Will pesticide, fertilizer, or other foreign substance be injected into the water pumped from the diversion works?

Yes No If "yes", a check valve shall be required.

All chemigation safety requirements must be met including a chemigation permit and reporting requirements.

10. If you are planning to impound water, please contact the Division of Water Resources for assistance, prior to submitting the application. Please attach a reservoir area capacity table and inform us of the total acres of surface drainage area above the reservoir.

Have you also made an application for a permit for construction of this dam and reservoir with the Division of Water Resources? Yes No

- If yes, show the Water Structures permit number here _____
- If no, explain here why a Water Structures permit is not required _____

11. The application must be supplemented by a U.S.G.S. topographic map, aerial photograph or a detailed plat showing the following information. On the topographic map, aerial photograph, or plat, identify the center of the section, the section lines or the section corners and show the appropriate section, township and range numbers. Also, please show the following information:

- ✓ (a) The location of the proposed point(s) of diversion (wells, stream-bank installations, dams, or other diversion works) should be plotted as described in Paragraph No. 5 of the application, showing the North-South distance and the East-West distance from a section line or southeast corner of section.
- ✓ (b) If the application is for groundwater, please show the location of any existing water wells of any kind within 1/2 mile of the proposed well or wells. Identify each existing well as to its use and furnish the name and mailing address of the property owner or owners. If there are no wells within 1/2 mile, please advise us.
- (c) If the application is for surface water, the names and addresses of the landowner(s) 1/2 mile downstream and 1/2 mile upstream from your property lines must be shown.
- ✓ (d) The location of the proposed place of use should be shown by crosshatching on the topographic map, aerial photograph or plat.
- ✓ (e) Show the location of the pipelines, canals, reservoirs or other facilities for conveying water from the point of diversion to the place of use. *pivot point will be at well site*

A 7.5 minute U.S.G.S. topographic map may be obtained by providing the section, township and range numbers to: Kansas Geological Survey, 1930 Constant, Campus West, University of Kansas, Lawrence, Kansas 66047.

12. List any application, appropriation of water, water right, or vested right file number that covers the same diversion points or any of the same place of use described in this application. Also list any other recent modifications made to existing permits or water rights in conjunction with the filing of this application.

NA

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13. Furnish the following well information if the proposed appropriation is for the use of groundwater. If the well has not been completed, give information obtained from test holes, if available.

Information below is from: Test holes Well as completed Drillers log attached

Well location as shown in paragraph No.	(A)	(B)	(C)	(D)
Date Drilled	<u>9-12-06</u>			
Total depth of well	<u>30'</u>			
Depth to water bearing formation	<u>12'</u>			
Depth to static water level				
Depth to bottom of pump intake pipe				

14. The relationship of the applicant to the proposed place where the water will be used is that of

tenant
(owner, tenant, agent or otherwise)

15. The owner(s) of the property where the water is used, if other than the applicant, is (please print):

Clifford Eugene Strandberg 217.345.7261
(name, address and telephone number)

2512 Village Road Charleston IL 61920
(name, address and telephone number)

16. The undersigned states that the information set forth above is true to the best of his/her knowledge and that this application is submitted in good faith.

Dated at Hutchinson, Kansas, this 22 day of March, 2016.
(month) (year)

Robert A. Bacon
(Applicant Signature)

By _____
(Agent or Officer Signature)

(Agent or Officer - Please Print)

Assisted by _____ Date: _____
(office/title)

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3-23-16
(Date)

Kansas Department of Agriculture
Division of Water Resources
David W. Barfield, Chief Engineer
109 SW 9th Street, 2nd Floor
Topeka, Kansas 66612-1283

Regional Application
File No. _____

Dear Sir: Minimum Desirable Streamflow

I understand that a Minimum Desirable Streamflow requirement has been established by the legislature for the source of supply to which the above referenced application applies.

I understand that diversion of water pursuant to this application will be subject to regulation any time Minimum Desirable Streamflow requirements are not being met.

I also understand that if this application is approved, there could be times, as determined by the Division of Water Resources, when I would not be allowed to divert water. I realize that this could affect the economics of my decision to appropriate water.

I am aware of the above factors, and with the knowledge thereof, request that the Division of Water Resources proceed with processing and approval, if possible, of the above referenced application.

Robert A Bacon
Signature of Applicant

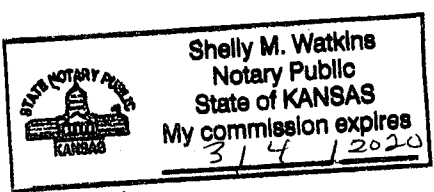
State of Kansas)
County of Harvey) ss

Robert A Bacon
(Print Applicant's Name)

I hereby certify that the foregoing instrument was signed in my presence and sworn to before me this 23 day of March, 2016.

Shelly M. Watkins
Notary Public

My Commission Expires:



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KS DEPT OF AGRICULTURE

**IRRIGATION USE
SUPPLEMENTAL SHEET**

File No. 49,591

Name of Applicant (Please Print): Robert A Bacon

1. Please supply the name and address of each landowner, the legal description of the lands to be irrigated, and designate the actual number of acres to be irrigated in each forty acre tract or fractional portion thereof:

Landowner of Record NAME: Clifford Eugene Strandberg
ADDRESS: 2512 Village Road Charleston IL 61920

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL			
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE				
✓ 24	23	5											33.75			33.75					67.5	

Landowner of Record NAME: _____
ADDRESS: _____

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL			
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE				

Landowner of Record NAME: _____
ADDRESS: _____

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL			
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE				

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MAR 23 2016
Page 1 of 2

*9/22/2016
emc/mw*

County
Reno

Tax year
2016

Section
24

Township
23

Range
05W

Legal

N 1/2 OF SW 1/4 LESS W 30 FT FOR RDWY R/W

Total Acres
80

Irrigated
0

Total Parcel
80.190002

Name and Address

STRANDBERG, CLIFFORD EUGENE TRUST
2512 VILLAGE RD
CHARLESTON IL 61920

Formatted address

2512 VILLAGE RD
CHARLESTON, IL 61920

Property ID
26725

Property number
078-136-24-0-00-00-004.00-0

2. Please complete the following information for the description of the operation for the irrigation project. Attach supplemental sheets as needed.

a. Indicate the soils in the field(s) and their intake rates:

will find intake rate

Soil Name	Percent of field (%)	Intake Rate (in/hr)	Irrigation Design Group
<i>see attachment</i>	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
Total:	100 %	_____	_____

b. Estimate the average land slope in the field(s):

0-1 %

Estimate the maximum land slope in the field(s):

3 %

c. Type of irrigation system you propose to use (check one):

- Center pivot Center pivot - LEPA "Big gun" sprinkler
- Gravity system (furrows) Gravity system (borders) Sideroll sprinkler

Other, please describe: _____

d. System design features:

i. Describe how you will control tailwater:

Inman Irr. will supply pivot information

ii. For sprinkler systems:

- (1) Estimate the operating pressure at the distribution system: _____ psi
- (2) What is the sprinkler package design rate? _____ gpm
- (3) What is the wetted diameter (twice the distance the sprinkler throws water) of a sprinkler on the outer 100 feet of the system? _____ feet
- (4) Please include a copy of the sprinkler package design information.

e. Crop(s) you intend to irrigate. Please note any planned crop rotations:

Corn, Soybean, milo, wheat, cover crops

f. Please describe how you will determine when to irrigate and how much water to apply (particularly important if you do not plan a full irrigation).

Kevin Schopenhals is my crop consultant

You may attach any additional information you believe will assist in informing the Division of the need for your request.

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Contact Us | Subscribe | Archived Soil Surveys | Soil Survey Status | Glossary | Preferences | Link | Logout | Help | A | A | A

Area of Interest (AOI) | Soil Map | Soil Data Explorer | Download Soils Data | Shopping Cart (Free)

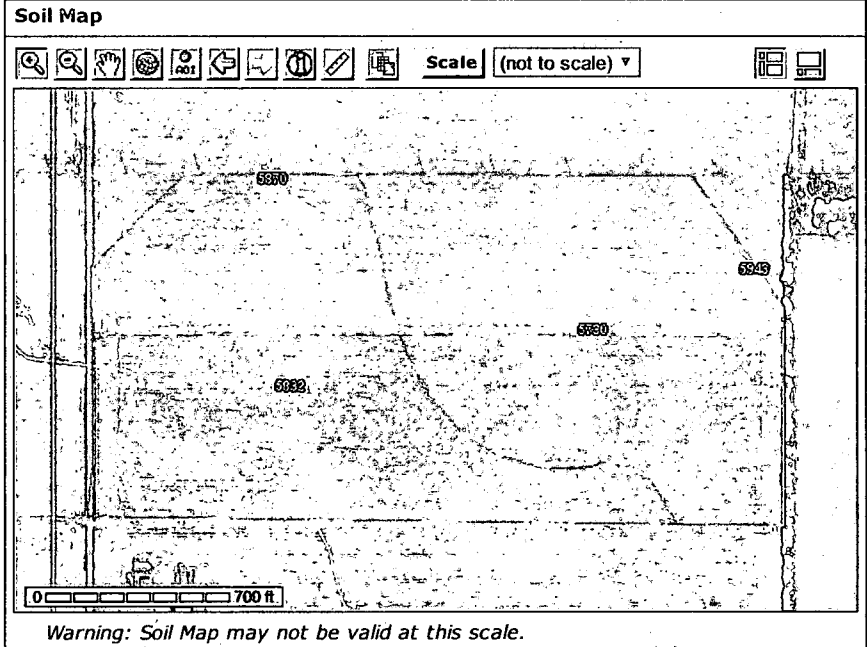
Printable Version | Add to Shopping Cart

Search

Map Unit Legend

Reno County, Kansas (KS155)

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
5730	Darlow-Elmer complex, 0 to 2 percent slopes	36.1	48.3%
5832	Punkin-Taver complex, 0 to 1 percent slopes	36.8	49.2%
5870	Carway and Carbika soils, 0 to 1 percent slopes	1.8	2.4%
5943	Saltcreek and Narøn fine sandy loams, 0 to 1 percent slopes	0.1	0.1%
Totals for Area of Interest		74.8	100.0%



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1000 Corey Road
 P.O. Box 886
 Hutchinson, KS 67504-0886
 620-665-5661
 FAX 620-665-0559

49,591

Sample #	3399
Sample	Water ROBERT BACON
Other ID	9/12/06 IRR #1

Best One

Received	09/13/2006
Reported	09/18/2006
Total Fee	\$35.00

DARLING DRILLING
 1211 WEST 4TH
 HUTCHINSON KS 67502

	Result Comment	Dry Basis	As Received
pH - SM 4500-H+ B			.94 s.u.
Chloride - SM 4110 B			54.90 mg/L
Total Hardness - SM 2340B			280.33 mg/L
Nitrate-Nitrogen - SM 4500 NO3 D			1.90 mg/L
Calcium - SM 3111B			87.20 mg/L
Magnesium - SM 3111B			15.20 mg/L
Sodium - SM 3111B			55.00 mg/L
Sulfate - SM 15th Ed. 426C			105.00 mg/L
% Sodium			34.90 %
SAR-Sodium Absorption Ratio			1.43 s.u.
Electrical Conductivity - SM 2510B			778.00 umhos/cm
TDS-Total Dissolved Solids - SM 2540C			480.00 mg/L
Irrigation Quality Rating	AS FOLLOWS		.00
Light Soil -Salinity Hazard	Low		.00
Light Soil - Sodium Hazard	Low		.00
Medium Soil -Salinity Hazard	Low		.00
Medium Soil -Sodium Hazard	Medium		.00
Heavy Soil -Salinity Hazard	Low		.00
Heavy Soil -Sodium Hazard	Medium		.00
General Comment	Good to Permissible		.00

Approved By:

ANALYTICAL RESULTS APPLY ONLY TO THE SUBMITTED SAMPLE AND MAY NOT REFLECT RESULTS OF SEEMINGLY IDENTICAL MATERIAL OR PRODUCTS

AOCS OFFICIAL APPROVED CHEMISTS • NFTA CERTIFIED LABORATORY • KDHE CERTIFIED LABORATORY

MAR 23 2016

SCANNED

KS DEPT OF AGRICULTURE

E AVENUE G

S MAYFIELD RD

Matt Brack
4000 East G Street
Hutchinson 67501

IRR well
↑ ⊗

S KENT RD

Fm 8505
T29155

1
80.41
NHSL

well requested

3960 W

1340 N

domestic well
Mickey Stranberg
1718 S Mayfield Road
Hutchinson 67601

domestic well
Judy Longley
6218 East Blanchard
Hutchinson KS 67501

E BLANCHARD AVE

domestic well
J Bartholomew 5815 E Blanchard Ave

USDA Hutchinson **United States Department of Agriculture**
FY 67501
Farm Service Agency
RENO COUNTY

24-23-5
March 25, 2010

- Legend
- fsa_gis_layers.SDE.wet_p_ks155
 - Wetland Determination Identifiers
 - ⊗ Restricted Use
 - ▽ Limited Restrictions
 - ⊠ Exempt from Conservation Compliance Provisions



Legend

clu.SDE.clu_a_ks155

WATER RESOURCES
RECEIVED

Disclaimer: Wetland identifiers do not represent the size, shape or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact wetland boundaries and determinations. For contact: FWS.

SCANNED MAR 29 2016

KS DEPT OF AGRICULTURE

Krueger, Richelle

From: Turney, Brent
Sent: Tuesday, March 14, 2017 3:03 PM
To: Robert Bacon
Cc: Krueger, Richelle
Subject: FW: Bacon water applications

Mr. Bacon,

As per our last emails, you were going to print the maps and send them to this office. As soon as we receive them, we should be able to proceed with your applications.

Thank you,

Brent

Brent A. Turney, P.G.
Kansas Department of Agriculture
Division of Water Resources
1320 Research Park Drive
Manhattan Kansas 66502
(785) 564-6645
Brent.Turney@ks.gov
www.agriculture.ks.gov

From: Robert Bacon [mailto:bacon36235@gmail.com]
Sent: Wednesday, March 1, 2017 7:44 AM
To: Turney, Brent <Brent.Turney@ks.gov>
Subject: RE: Bacon water applications

I will get that done this morning while it is chilly outside.

We are having to build more electric fence around rye now because the wheat is about to start jointing! The first of March. It will be a miracle if we don't lose this crop to weather.

On Mar 1, 2017 7:39 AM, "Turney, Brent" <Brent.Turney@ks.gov> wrote:

Mr. Bacon,

Could you please print the maps out, sign and date them. Once this is complete, could you forward the hard copies to me?

Sorry for the inconvenience.

Brent

Brent A. Turney, P.G.

Kansas Department of Agriculture

Division of Water Resources

1320 Research Park Drive

Manhattan Kansas 66502

(785) 564-6645

Brent.Turney@ks.gov

www.agriculture.ks.gov

From: Robert Bacon [mailto:bacon36235@gmail.com]

Sent: Tuesday, February 28, 2017 4:46 PM

To: Turney, Brent <Brent.Turney@ks.gov>; Stephen Flaherty <sflaherty@gmd2.org>

Subject: Bacon water applications

Brent Turney

On application 49588 I have moved the point of diversion 200' east of what I applied for on my original application.

On application 49594 I believe we are back on track after notifying the other water users north of my proposed development that were omitted on the original application?

Thank you both for your time in getting this maps clarified.

Bob Bacon

Krueger, Richelle

From: Turney, Brent
Sent: Tuesday, February 28, 2017 10:44 AM
To: Krueger, Richelle
Subject: FW: Bacon Application Maps
Attachments: bacon pou acreage.pdf; 49587POU.pdf; 49588POU.pdf; 49589POU.pdf; 49590POU.pdf; 49592POU.pdf; 49593POU.pdf

With any luck, Bacon will print these off and send them in????

What about the last statement? Other applications?

Brent A. Turney, P.G.
Kansas Department of Agriculture
Division of Water Resources
1320 Research Park Drive
Manhattan Kansas 66502
(785) 564-6645
Brent.Turney@ks.gov
www.agriculture.ks.gov

From: Steve Flaherty [mailto:sflaherty@gmd2.org]
Sent: Tuesday, February 28, 2017 10:32 AM
To: 'Robert Bacon' <bacon36235@gmail.com>
Subject: Bacon Application Maps

Robert,

I re drew the place of use maps for you and included a separate map with all of the acres I calculated in each quarter for application nos. 49587, 49588, 49589, 49590, 49592, and 49593.

If you agree with the acreages and maps then send them off to Brent Turney at DWR (Brent.Turney@ks.gov).

If there are any issues or if Brent thinks that you need place of use maps for your other applications then feel free to give me a call and I will help you out.

Thanks,

Steve Flaherty, Hydrogeologist
Equus Beds GMD No. 2
313 Spruce Street * Halstead, KS 67056
P: (316) 835-2224 * F: (316) 835-2225
www.gmd2.org

Krueger, Richelle

From: Turney, Brent
Sent: Tuesday, February 7, 2017 2:39 PM
To: Krueger, Richelle
Subject: FW: Application No. 49594

Brent A. Turney, P.G.
Kansas Department of Agriculture
Division of Water Resources
1320 Research Park Drive
Manhattan Kansas 66502
(785) 564-6645
Brent.Turney@ks.gov
www.agriculture.ks.gov

From: Robert Bacon [mailto:bacon36235@gmail.com]
Sent: Tuesday, February 7, 2017 2:37 PM
To: Tim Boese <tboese@gmd2.org>
Cc: Turney, Brent <Brent.Turney@ks.gov>; Bacon Me <bacon36235@gmail.com>
Subject: Re: Application No. 49594

I believe the process has begun. I received a copy of a letter that went to a landowner who has a center pivot with wells in a battery and four or five entities that involve sandpit location.

If I have that wrong could Brent Turney can clarify the situation for me.

49588

Well batteries confuse this old farmer so I also ran afoul of regulations on the Appropriation Application No. 49588. I received a letter saying my application placed my proposed well less than 1,320 from my neighbors well.

It is true I am trying to place a well just over 1,300 feet from a well battery site found on Water Permit No. 45358. That well was never developed. Only the center site of the three was developed. I am 1,650 to 1,700 feet from an actual well. That site was developed in 2003.

Does this matter?

If the Water Permit holder notified you that no development of the proposed east well was planned and would forfeit that location, would that matter?

Can there be a variance from regulations in special circumstances?

Thanks for any and all clarifications about my two above situations.

45591

Oh yes, apparently I used incorrect data about existing and proposed consumptive appropriations when applying for water on Appropriation Application No. 49591. I will not appeal that denial.

On Feb 7, 2017 1:45 PM, "Tim Boese" <tboese@gmd2.org> wrote:

Robert – I received your telephone inquiry regarding Application No. 49594 and notification of nearby well owners. During our review of the application, we noted that it appears that there were nearby well owners who were not notified of the application, as the irrigation well authorized by Water Permit No. 48881, and the groundwater pit authorized by Water Permit No. 46863, were not identified on the application map you submitted with the application. As this is a Division of Water Resources' requirement and they send out the surrounding well owner notifications, I suggest you contact Brent Turney, DWR, to discuss on how to handle this. I have copied Brent with this email so you can email him or you can call him at 785-564-6645.

If I can be of assistance with a new application map, etc., please contact me.

Thanks.

Tim Boese, Manager

Equus Beds GMD2

313 Spruce, Halstead, Kansas 67056

316-835-2224

Fax: 316-835-2225

tboese@gmd2.org

www.gmd2.org

1320 Research Park Drive
Manhattan, Kansas 66502
(785) 564-6700



900 SW Jackson, Room 456
Topeka, Kansas 66612
(785) 296-3556

Jackie McClaskey, Secretary

Governor Sam Brownback

February 1, 2017

ROBERT A BACON
3616 S MAYFIELD RD
HUTCHINSON KS 67501

RE: Application
File No. 49,591

Dear Mr. Bacon:

We have received a recommendation from Equus Beds Groundwater Management District No. 2 that the referenced Application for Permit to Appropriate Water for Beneficial Use under the referenced file number be denied. This recommendation is based upon the groundwater management program adopted by the District and approved by the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture. The District's review found that the application does not comply with the District's Safe Yield Regulation K.A.R. 5-22-7(a) as existing and proposed consumptive appropriations exceed the maximum allowable.

We are advising you of this recommendation in order to allow you an opportunity to consult with the District regarding their recommendation if you have not already done so. If you have already contacted the District regarding this recommendation, then we are allowing you this opportunity to submit to this office any additional you wish to have considered before the Chief Engineer. You have a period of 15 days (until **February 16, 2017**) to either (1) submit additional information to our office or (2) to request additional time beyond the 15 days to submit additional information. If you wish additional time, you must do so in writing before the 15-day period expires. Such a request should state what steps are being taken to obtain the information and the amount of time you will need to supply the information to our office.

If you do not request more time within the 15-day period, or if your request is not granted, the above-referenced application will be submitted to the Chief Engineer for a final decision based on the recommendations stated above. If you do submit additional information within the 15-day period (or any authorized extension), that information will be given due consideration prior to final action on the application.

If you have any questions, please contact me at (785)564-6635 or Brent Turney, Change Application Unit Supervisor at (785) 564-6645. If you call, please reference the file number so we can help you more efficiently.

Sincerely,

A handwritten signature in black ink, appearing to read "Richelle A. Krueger".

Richelle A. Krueger
Environmental Scientist
Water Appropriation Program

RAK

pc: Stafford Field Office
Groundwater Management District No. 2
Clifford Eugene Strandberg Trust

Krueger, Richelle

From: Turney, Brent
Sent: Monday, January 30, 2017 2:14 PM
To: Krueger, Richelle
Subject: FW: #49591 Application Denial Letter
Attachments: 49591 Application Denial Letter.pdf

Brent A. Turney, P.G.
Kansas Department of Agriculture
Division of Water Resources
1320 Research Park Drive
Manhattan Kansas 66502
(785) 564-6645
Brent.Turney@ks.gov
www.agriculture.ks.gov

From: Rebecca Wilson [mailto:rwilson@gmd2.org]
Sent: Monday, January 30, 2017 2:10 PM
To: Turney, Brent <Brent.Turney@ks.gov>
Cc: Engelbrecht, Jessica <Jessica.Engelbrecht@ks.gov>
Subject: #49591 Application Denial Letter

Good Afternoon!

Attached is an Application Denial Letter from Manager Tim Boese for #49591.

Please let me know if you have any difficulty opening the attachment!

Thanks!

Rebecca Wilson

Rebecca Wilson
Administrative Assistant
Equus Beds GMD2
313 Spruce Street
Halstead, KS 67056
316-835-2224
316-835-2225 Fax
rwilson@gmd2.org
www.gmd2.org

WATER RESOURCES
RECEIVED

JAN 30 2017

KS DEPT OF AGRICULTURE

KS DEPT OF AGRICULTURE 1

SCANNED



1320 Research Park Drive
Manhattan, Kansas 66502
(785) 564-6700

900 SW Jackson, Room 456
Topeka, Kansas 66612
(785) 296-3556

Jackie McClaskey, Secretary

Governor Sam Brownback

February 1, 2017

ROBERT A BACON
3616 S MAYFIELD RD
HUTCHINSON KS 67501

RE: Application
File No. 49,591

Dear Mr. Bacon:

We have received a recommendation from Equus Beds Groundwater Management District No. 2 that the referenced Application for Permit to Appropriate Water for Beneficial Use under the referenced file number be denied. This recommendation is based upon the groundwater management program adopted by the District and approved by the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture. The District's review found that the application does not comply with the District's Safe Yield Regulation K.A.R. 5-22-7(a) as existing and proposed consumptive appropriations exceed the maximum allowable.

We are advising you of this recommendation in order to allow you an opportunity to consult with the District regarding their recommendation if you have not already done so. If you have already contacted the District regarding this recommendation, then we are allowing you this opportunity to submit to this office any additional you wish to have considered before the Chief Engineer. You have a period of 15 days (until **February 16, 2017**) to either (1) submit additional information to our office or (2) to request additional time beyond the 15 days to submit additional information. If you wish additional time, you must do so in writing before the 15-day period expires. Such a request should state what steps are being taken to obtain the information and the amount of time you will need to supply the information to our office.

If you do not request more time within the 15-day period, or if your request is not granted, the above-referenced application will be submitted to the Chief Engineer for a final decision based on the recommendations stated above. If you do submit additional information within the 15-day period (or any authorized extension), that information will be given due consideration prior to final action on the application.

If you have any questions, please contact me at (785)564-6635 or Brent Turney, Change Application Unit Supervisor at (785) 564-6645. If you call, please reference the file number so we can help you more efficiently.

Sincerely,

Richelle A. Krueger
Environmental Scientist
Water Appropriation Program

RAK

pc: Stafford Field Office
Groundwater Management District No. 2
Clifford Eugene Strandberg Trust

1320 Research Park Drive
Manhattan, Kansas 66502
(785) 564-6700



900 SW Jackson, Room 456
Topeka, Kansas 66612
(785) 296-3556

Jackie McClaskey, Secretary

Governor Sam Brownback

December 21, 2016

FILE COPY

GROUNDWATER MANAGEMENT DISTRICT NO 2
TIM BOESE
313 SPRUCE ST
HALSTEAD KS 67056-1925

Re: Pending Application, File Nos. 49,587-49,594 (8 files)

Dear Mr. Boese:

In response to your correspondence by e-mail dated December 21, 2016, for an extension of time to review and submit revised recommendations regarding the referenced applications, the Chief Engineer has approved an extension of time of 30 days until **January 22, 2017**.

Please submit your recommendation within the allotted time, or any authorized extension of time thereof.

If you have any questions, please contact me at (785) 564-6640. If you wish to discuss a specific file, please have the file number ready so that I may help you more efficiently.

Sincerely,

A handwritten signature in cursive script that reads "Erin McGrogan".

Erin McGrogan
Environmental Scientist
Water Appropriation Program

pc: Stafford Field Office

1320 Research Park Drive
Manhattan, Kansas 66502
(785) 564-6700



900 SW Jackson, Room 456
Topeka, Kansas 66612
(785) 296-3556

Jackie McClaskey, Secretary

Governor Sam Brownback

GROUNDWATER MANAGEMENT DISTRICT NO 2

November 16, 2016

TIM BOESE
313 SPRUCE ST
HALSTEAD KS 67056-1925

FILE COPY

Re: Pending Application, File Nos. 49,587; 49,588;
49,589; 49,590; 49,591; 49,592; 49,593,49,594

Dear Mr. Boese:

We are enclosing a copy of the applications referred to above which appear to be in proper form. All information submitted by the applicant for well logs, nearby well owners, and water quality samples are included.

We are delaying any further action for a period of **30 days** from the date of this letter to allow you time to submit your recommendation concerning this application. Please submit your recommendation within the allotted time, or any authorized extension of time thereof.

If you have any questions, please contact me at (785) 564-6640. If you wish to discuss a specific file, please have the file number ready so that I may help you more efficiently.

Sincerely,

A handwritten signature in cursive script that reads "Erin McGrogan".

Erin McGrogan
Environmental Scientist
Water Appropriation Program

Enclosure
pc: Stafford Field Office

SCANNED



1320 Research Park Drive
Manhattan, Kansas 66502
(785) 564-6700

900 SW Jackson, Room 456
Topeka, Kansas 66612
(785) 296-3556

Jackie McClaskey, Secretary

Governor Sam Brownback

October 25, 2016

FILE COPY

MATT BRACK
4000 EAST G STREET
HUTCHINSON KS 67501

Re: Application File No. 49,591

Dear Sir or Madam:

This is to advise you that Robert Bacon has filed the application referred to above for a permit to appropriate 94.5 acre-feet of ground water per calendar year for irrigation use to be diverted at a maximum rate of 800 gallons per minute, from one well at the following location:

one (1) well located in the Southwest Quarter of the Northeast Quarter of the Southwest Quarter of Section 24, Township 23 South, Range 5 West, Reno County, Kansas.

Records in this office indicate that you may have a well or wells in this vicinity and you are being notified of receipt of this application in order that you may be fully informed of the proposed location of the applicant's point of diversion and proposed use of water. Consideration will be given to comments or other information which you desire to submit to this office within 15 days from the date of this letter. If you have any questions about the referenced application, please contact me at 1-785-564-6640.

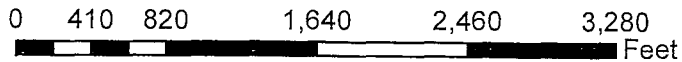
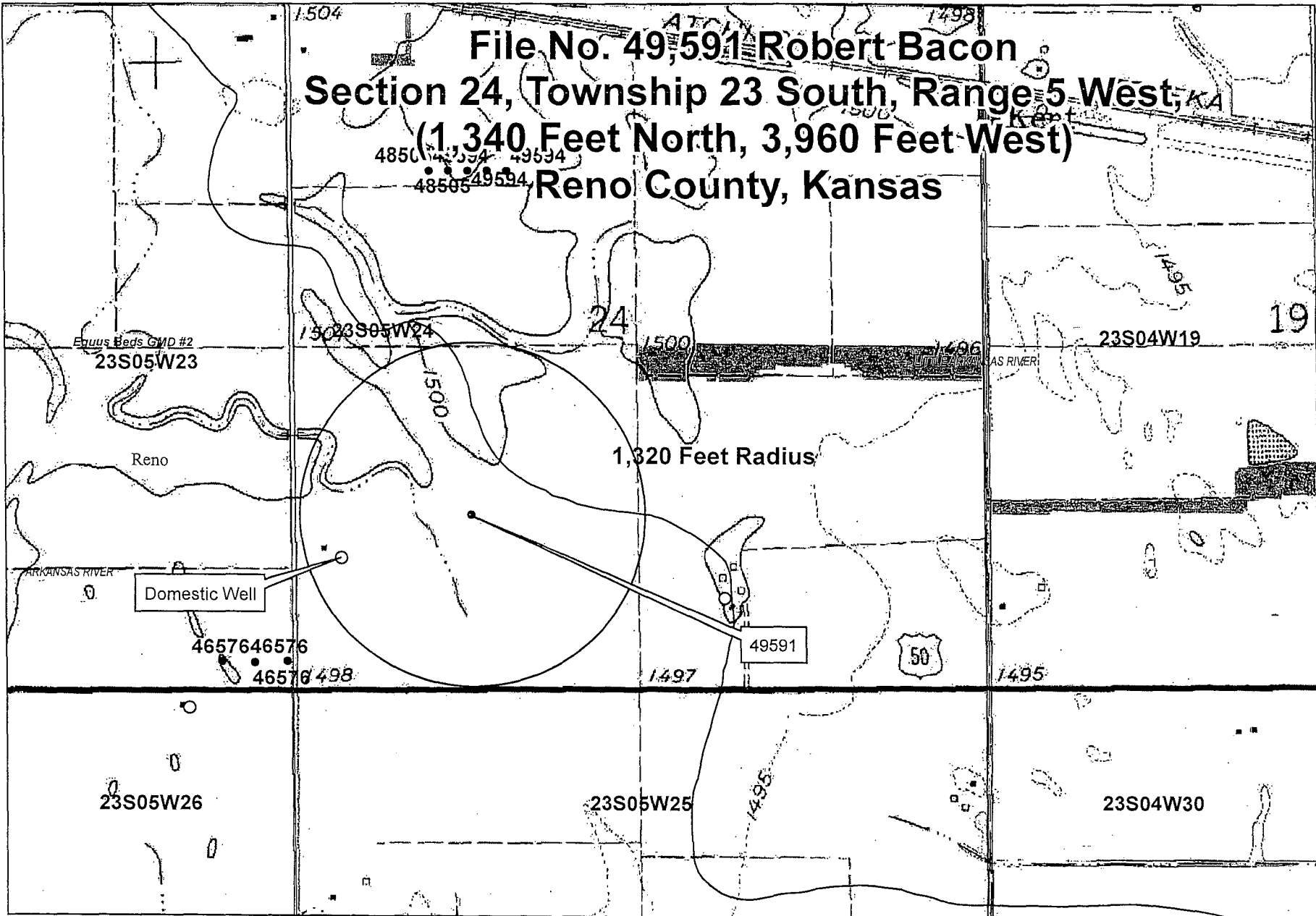
Sincerely,

Erin McGrogan
Environmental Scientist
Permits Unit

Enclosure: emc
pc: Stockton Field Office
Robert Bacon

SCANNED

File No. 49,591 Robert Bacon
Section 24, Township 23 South, Range 5 West, KA
(1,340 Feet North, 3,960 Feet West)
Reno County, Kansas



1320 Research Park Drive
Manhattan, Kansas 66502
(785) 564-6700



900 SW Jackson, Room 456
Topeka, Kansas 66612
(785) 296-3556

Jackie McClaskey, Secretary

Governor Sam Brownback

October 25, 2016

MICKEY STRANDBERG
1718 SOUTH MAYFIELD ROAD
HUTCHINSON KS 67501

FILE COPY

Re: Application File No. 49,591

Dear Sir or Madam:

This is to advise you that Robert Bacon has filed the application referred to above for a permit to appropriate 94.5 acre-feet of ground water per calendar year for irrigation use to be diverted at a maximum rate of 800 gallons per minute, from one well at the following location:

one (1) well located in the Southwest Quarter of the Northeast Quarter of the Southwest Quarter of Section 24, Township 23 South, Range 5 West, Reno County, Kansas.

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Sincerely,

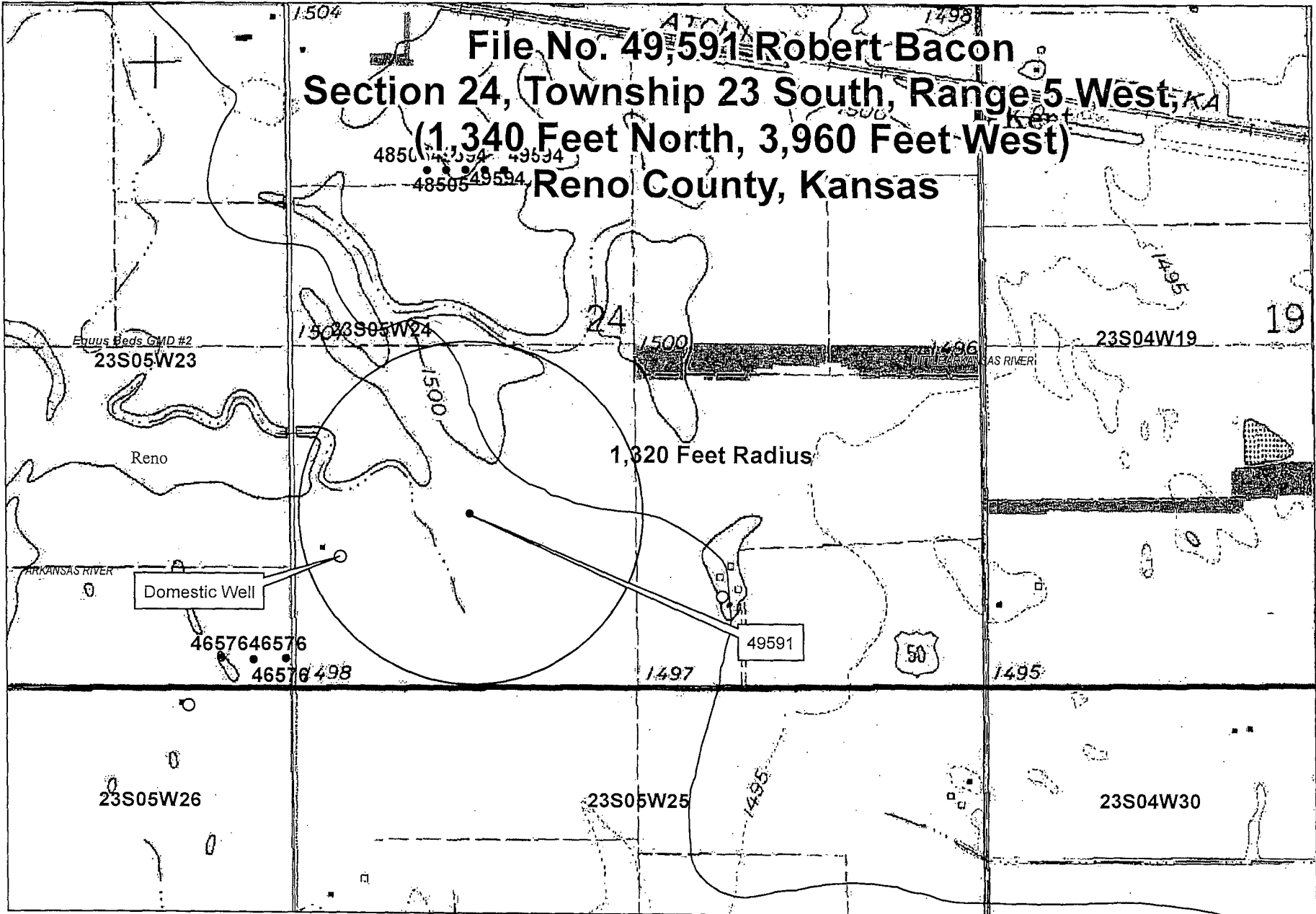
A handwritten signature in cursive script that reads "Erin McGrogan".

Erin McGrogan
Environmental Scientist
Permits Unit

Enclosure: emc
pc: Stockton Field Office
Robert Bacon

SCANNED

File No. 49,591 Robert Bacon
Section 24, Township 23 South, Range 5 West, KA
(1,340 Feet North, 3,960 Feet West)
Reno County, Kansas



0 410 820 1,640 2,460 3,280
Feet

10/4/2016 DWR



1320 Research Park Drive
Manhattan, Kansas 66502
(785) 564-6700

900 SW Jackson, Room 456
Topeka, Kansas 66612
(785) 296-3556

Jackie McClaskey, Secretary

Governor Sam Brownback

October 25, 2016

FILE COPY

JUDY LANGLEY
6818 EAST BLANCHARD STREET
HUTCHINSON KS 67501

Re: Application File No. 49,591

Dear Sir or Madam:

This is to advise you that Robert Bacon has filed the application referred to above for a permit to appropriate 94.5 acre-feet of ground water per calendar year for irrigation use to be diverted at a maximum rate of 800 gallons per minute, from one well at the following location:

one (1) well located in the Southwest Quarter of the Northeast Quarter of the Southwest Quarter of Section 24, Township 23 South, Range 5 West, Reno County, Kansas.

Records in this office indicate that you may have a well or wells in this vicinity and you are being notified of receipt of this application in order that you may be fully informed of the proposed location of the applicant's point of diversion and proposed use of water. Consideration will be given to comments or other information which you desire to submit to this office within 15 days from the date of this letter. If you have any questions about the referenced application, please contact me at 1-785-564-6640.

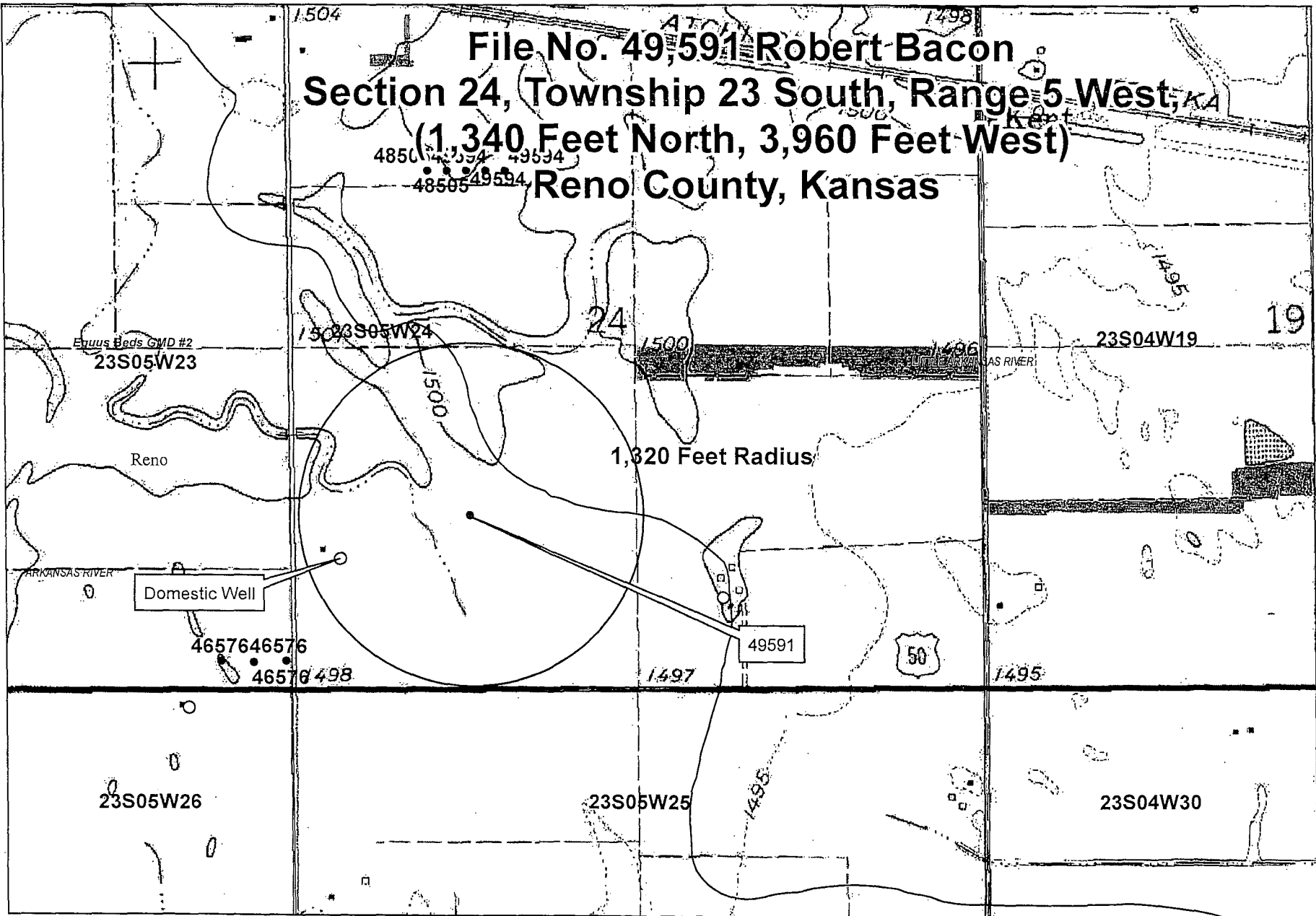
Sincerely,

Erin McGrogan
Environmental Scientist
Permits Unit

Enclosure: emc
pc: Stockton Field Office
Robert Bacon

SCANNED

File No. 49,591 Robert Bacon
Section 24, Township 23 South, Range 5 West, KA
(1,340 Feet North, 3,960 Feet West)
Reno County, Kansas



0 410 820 1,640 2,460 3,280
Feet

10/4/2016 DWR

1320 Research Park Drive
Manhattan, Kansas 66502
(785) 564-6700



900 SW Jackson, Room 456
Topeka, Kansas 66612
(785) 296-3556

Jackie McClaskey, Secretary

Governor Sam Brownback

October 25, 2016

FILE COPY

J BARTHOLOMEW
5815 EAST BLANCHARD STREET
HUTCHINSON KS 67501

Re: Application File No. 49,591

Dear Sir or Madam:

This is to advise you that Robert Bacon has filed the application referred to above for a permit to appropriate 94.5 acre-feet of ground water per calendar year for irrigation use to be diverted at a maximum rate of 800 gallons per minute, from one well at the following location:

one (1) well located in the Southwest Quarter of the Northeast Quarter of the Southwest Quarter of Section 24, Township 23 South, Range 5 West, Reno County, Kansas.

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Sincerely,

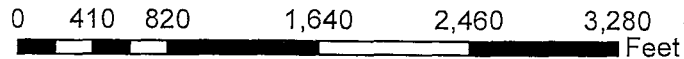
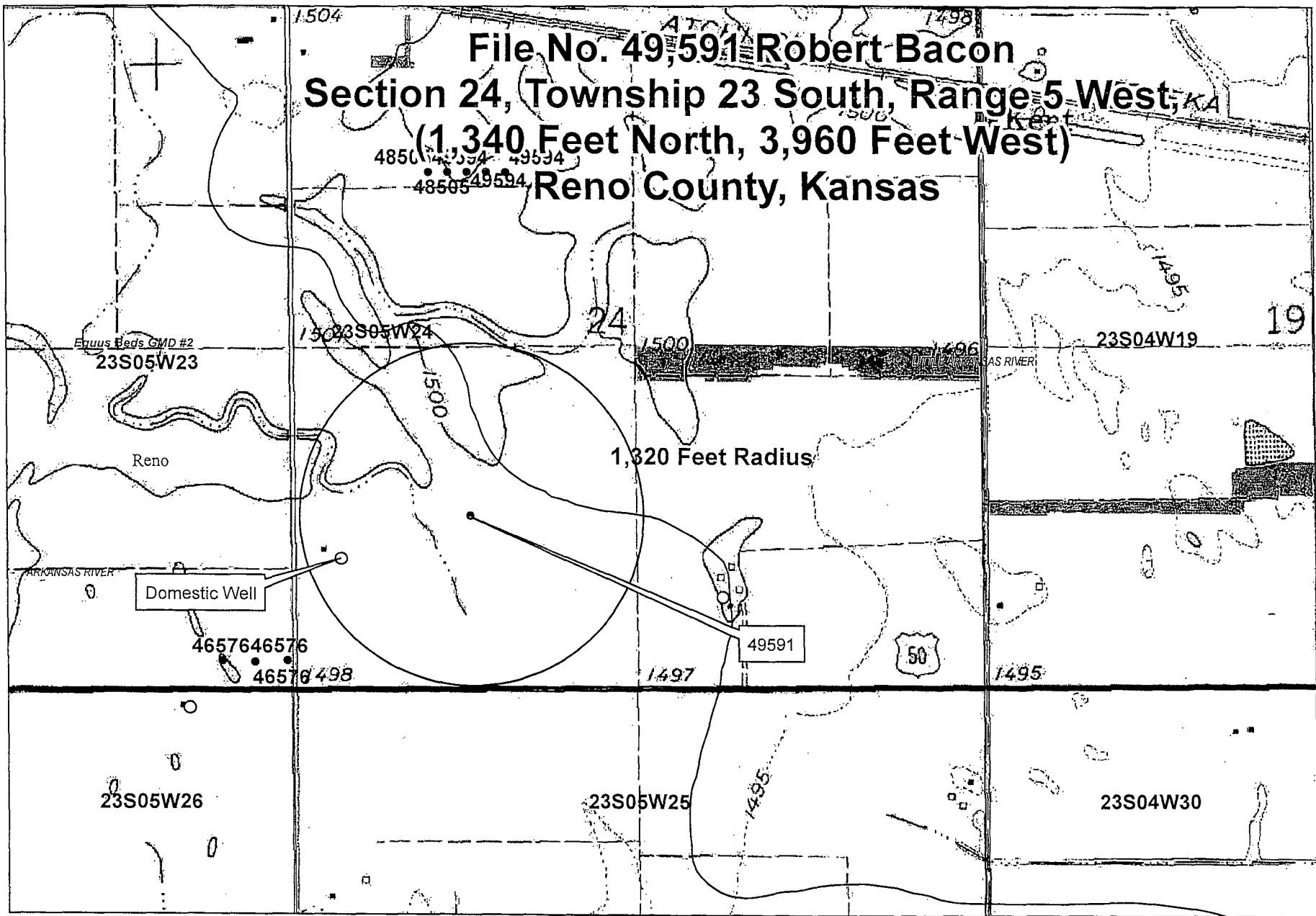
A handwritten signature in cursive script that reads "Erin McGrogan".

Erin McGrogan
Environmental Scientist
Permits Unit

Enclosure: emc
pc: Stockton Field Office
Robert Bacon

SCANNED

File No. 49,591 Robert Bacon
Section 24, Township 23 South, Range 5 West, KA
(1,340 Feet North, 3,960 Feet West)
Reno County, Kansas





1320 Research Park Drive
Manhattan, Kansas 66502

Jackie McClaskey, Secretary

Phone: (785) 564-6700
Fax: (785) 564-6777
Email: ksag@kda.ks.gov
www.agriculture.ks.gov
Sam Brownback, Governor

March 25, 2016

ROBERT A BACON
3116 S MAYFIELD ROAD
HUTCHINSON KS 67501

RE: Application
File No. 49591

Dear Sir or Madam:

Your application for permit to appropriate water in 24-23S-5W in Reno County, was received and has been assigned the file number noted above.

As a matter of record, the Division of Water Resources has on hand a large number of applications awaiting processing. Therefore to be fair to all concerned, and so that we can process those applications on hand in the order they were received, we intend to concentrate on the backlog of applications until the issue is resolved. Once review of your application has begun, we will contact you, if additional information is required.

In accordance with the provisions of the Kansas Water Appropriation Act, a portion of which is included below, the use of water as proposed prior to approval of the application is unlawful. Once approved, compliance with the terms, conditions and limitations of the permit is necessary. Conservation of the water resources of Kansas is required.

Section 82a-728 of the Kansas Water Appropriation Act, provides (a) except for the appropriation of water for the purpose of domestic use, . . . it shall be unlawful for any person to appropriate or threaten to appropriate water from any source without first applying for and obtaining a permit to appropriate water in accordance with the provisions of the Water Appropriation Act or for any person to violate any condition of a vested right, appropriation right or an approved application for a permit to appropriate water for beneficial use.

(b) (1) The violation of any provision of this section by any person is a class C misdemeanor . . .

A class C misdemeanor is punishable by a fine not to exceed \$500 and/or a term of confinement not to exceed one month in the county jail. Each day that the violation occurs constitutes a separate offense.

If you have any questions, please contact me at (785) 564-6634. If you wish to discuss a specific file, please have the file number ready so that we may help you more efficiently.

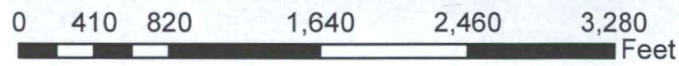
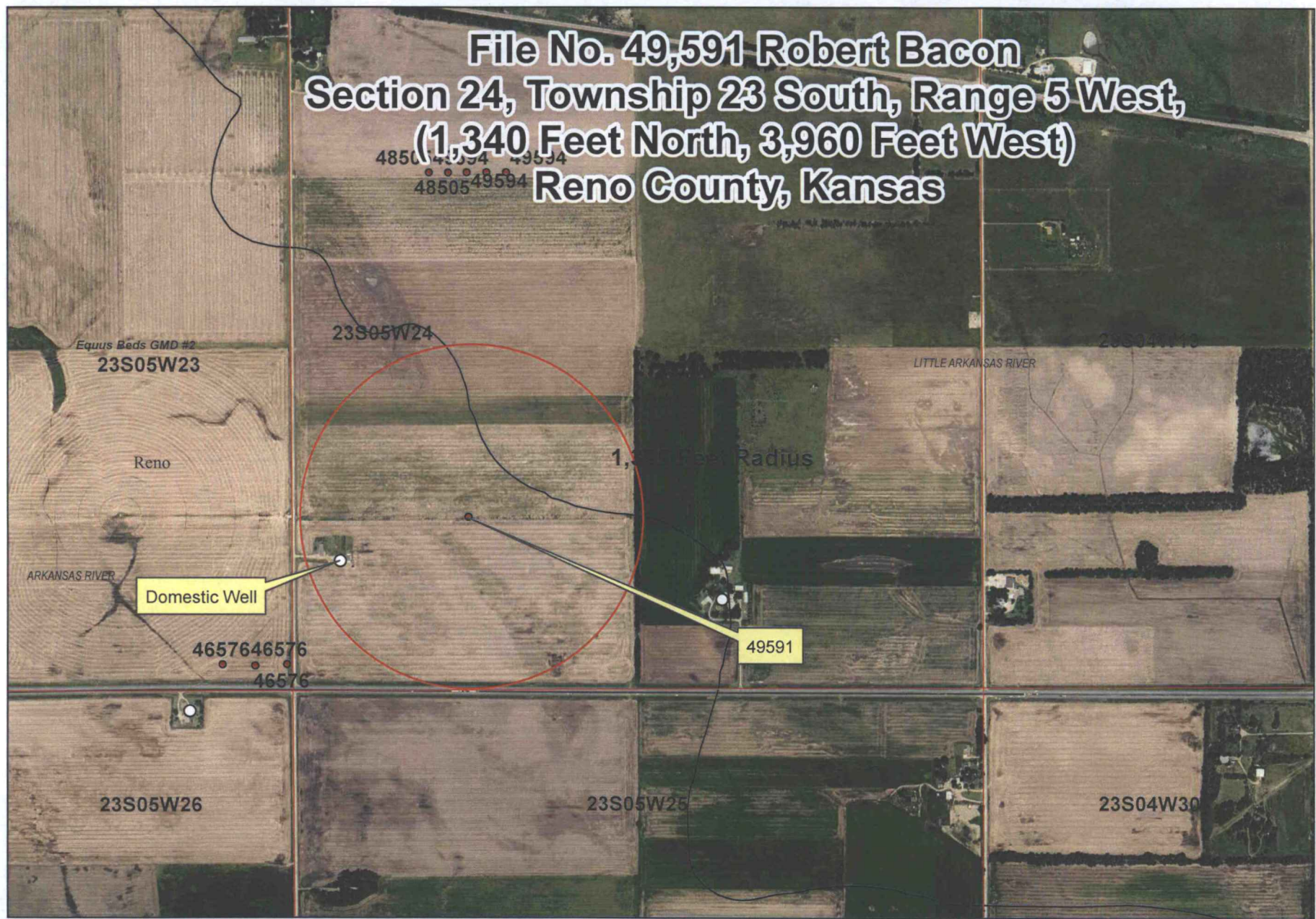
Sincerely,

Kenneth A. Kopp, P.G.
New Application Unit Supervisor
Water Appropriation Program

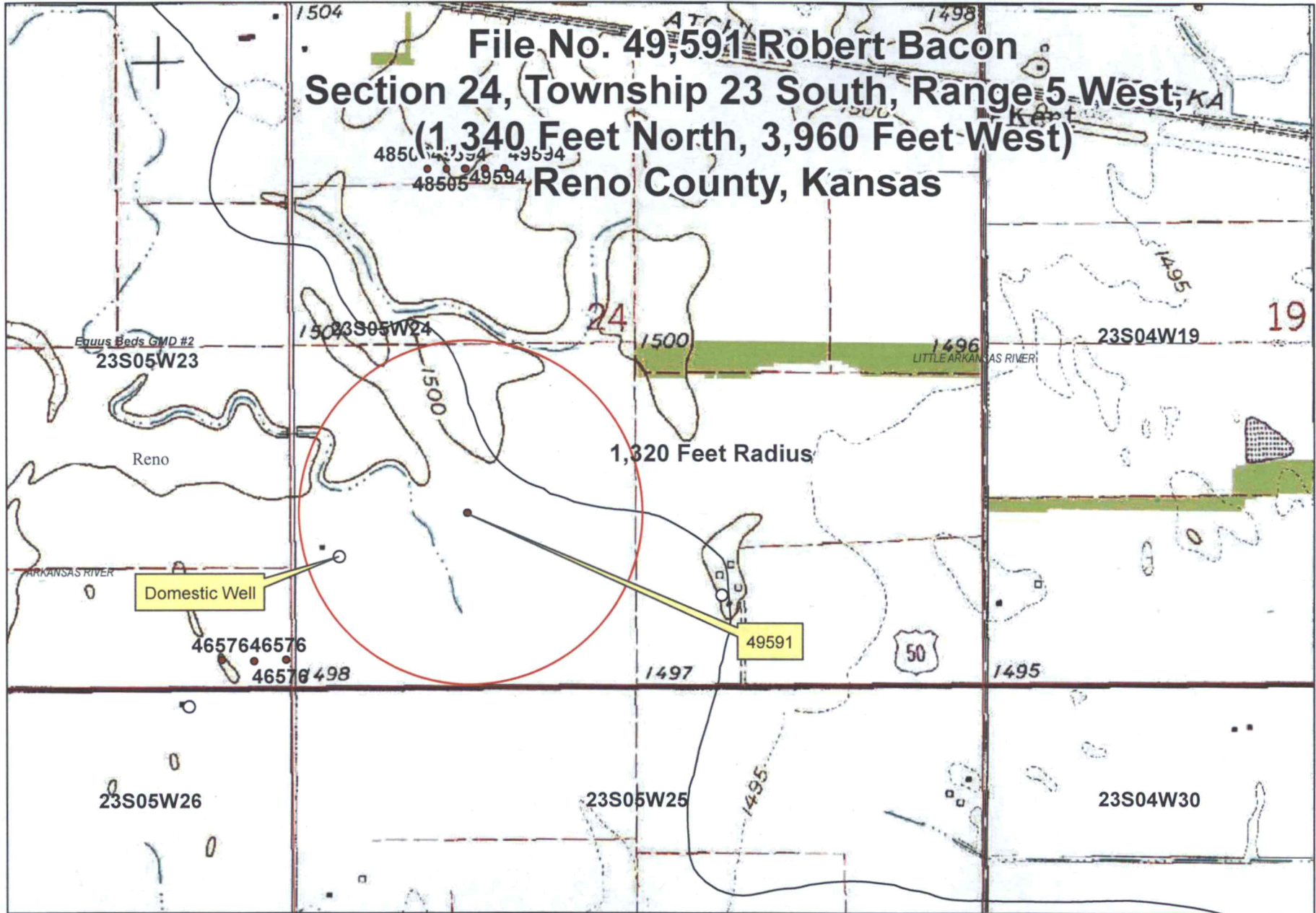
KAK: DLW
pc: STAFFORDField Office
GMD 2

SCANNED

**File No. 49,591 Robert Bacon
Section 24, Township 23 South, Range 5 West,
(1,340 Feet North, 3,960 Feet West)
Reno County, Kansas**



File No. 49,591 Robert Bacon
Section 24, Township 23 South, Range 5 West, KA
(1,340 Feet North, 3,960 Feet West)
Reno County, Kansas



10/4/2016 DWR

FRED SEILER, PRESIDENT
VIN KISSICK, VICE PRESIDENT
JEFF WINTER, SECRETARY
MIKE MCGINN, TREASURER
TIM BOESE, MANAGER
THOMAS A. ADRIAN, ATTORNEY



DIRECTORS:
DAVID BOGNER
ALAN BURGHART
JOE PAJOR
BOB SEILER
DAVID STROBERG

EQUUS BEDS GROUNDWATER MANAGEMENT DISTRICT NO. 2

313 SPRUCE STREET • HALSTEAD, KANSAS 67056-1925 • PHONE (316) 835-2224 • FAX (316) 835-2225 • equusbeds@gmd2.org • www.gmd2.org

January 30, 2017

Chief Engineer, Division of Water Resources
Attn: Brent Turney
1320 Research Park Drive
Manhattan, Kansas 66502

Re: Appropriation Application No. 49591 – Robert A. Bacon

Dear Mr. Turney:

The Equus Beds Groundwater Management District reviewed the referenced application on January 30, 2017, 2016, using the District's Revised Management Program (effective May 1, 1995) and Rules and Regulations K.A.R. 5-22-1 through 5-22-17.

The District's review found that the application does not comply with the District's Safe Yield Regulation K.A.R. 5-22-7(a), as existing and proposed consumptive appropriations exceed the maximum allowable.

Based upon the review findings, the application is recommended for denial by the Equus Beds Groundwater Management District.

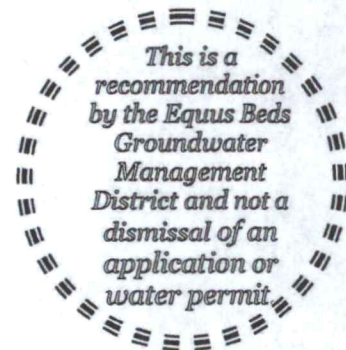
A District decision may be appealed to the District Board of Directors by submitting a written petition to the District office within 30 days from the date of this notification, pursuant to K.A.R. 5-22-12. An appeal petition must state the basis for the appeal and must include information/documentation supporting the appeal.

Please contact the District should you have any questions regarding the review or recommendation.

Sincerely,
EQUUS BEDS GROUNDWATER
MANAGEMENT DISTRICT NO. 2

Tim Boese,
Manager
TDB/STF
Enclosures

pc: Robert A Bacon, Applicant, with copy of K.A.R. 5-22-12
Clifford Eugene Strandberg Trust, Landowner
Jeff Lanterman, Division of Water Resources, Stafford



WATER RESOURCES
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H:\MSOFFICE\LETTERS\APP\NewApp\Recommendation\Deny\#49591_Bacon.docx



SCANNED

EQUUS BEDS GROUNDWATER MANAGEMENT DISTRICT NO. 2 FINAL APPLICATION REVIEW CHECKLIST

1) Application No. 49591 Date filed: March 23, 2016
 2) Applicant: Robert A Bacon County: Reno
 3) Proposed maximum quantity: 94.5 acre-feet/year Rate: 800 GPM
 4) Proposed Use: Irrigation
 5) P/D location: SWNESW 24-23S-5W Geo Center: North 1340 ft, West 3960 ft
 6) Number and type of points of diversion listed on the application 1 Well

7) Meter required K.A.R. 5-22-4a or K.A.R. 5-22-8? Yes No, Why _____

8) Meets Safe Yield K.A.R. 5-22-7? Yes No N/A

(a) Total allowable appropriations: 4021.00 af/yr
 (b) Total existing appropriations: 4065.7 af/yr
 (c) Total small user exemptions: 0.00 af/yr
 (d) Total non-consumptive use: 0.00 af/yr
 (e) Total consumptive use: 4065.70 af/yr
 (Total existing appropriations) - (Total non-consumptive use)
 (f) exempt from regulation? Yes No,
 Cite exemption: _____

9) Meets Well Spacing K.A.R. 5-22-2? Yes No N/A

(a) POD in enhanced well spacing area? Yes No
 (b) Domestic well spacing interval: >660 ft
 (c) Non-Domestic well spacing interval: >1320 ft

10) Meets Max Reasonable Quantity K.A.R. 5-22-14? Yes No N/A

(a) Irrigation max quantity: 1.4 acre-feet / acre
 application paragraph 3 value (acre-feet) / proposed acres = Q
 (b) Stockwater max quantity: _____ GPD _____ unit
 (c) Industry max quantity: _____ Acre
 Industry standard: _____
 (d) Municipal max quantity: _____ GCD
 Lesser of either 200 GCD or
 $1.10 * (X - Y) * 365 d * (z + t)$
 X - Average of last three years usage in Gallons per Capita per Day (GCD)
 Y - water usage for industries that use over 200,000 gal/yr (GCD)
 Z - Projected population in 20 years
 T - Reasonable projected water use for industries that use over 200,000 gallons per year (GCD)
 (e) Pond max quantity is _____
 (Net evap + seepage)/12 x pond area + any initial fill
 (f) Groundwater pit max Q: _____
 Net evap * pit area/12

11) Reasonable rate for intended use? Yes No N/A

12) Depth to water: ~7 ft bls at observation well: EB228

13) Date reviewed: December 23, 2016

14) Reviewed by: S. Flaherty Title: Hydrogeologist

15) District recommendation: Approve Deny Other, see comment

Revised 1-30-17

16) Comments and Calculations:

Item No. 10a 94.5 AF/67.5 acres = 1.4 AF/acre
 No Overlapping Place of Use
 No Overlapping Point of Diversion
 Surrounding Well Owner Notifications Sent
 No Well Owner Inquiries
 No Rate/Quantity Limitations
 No Special Use Areas or IGUCAs
 Recommend denial, does not comply with Safe Yield Regulation K.A.R. 5-22-7

WATER RESOURCES
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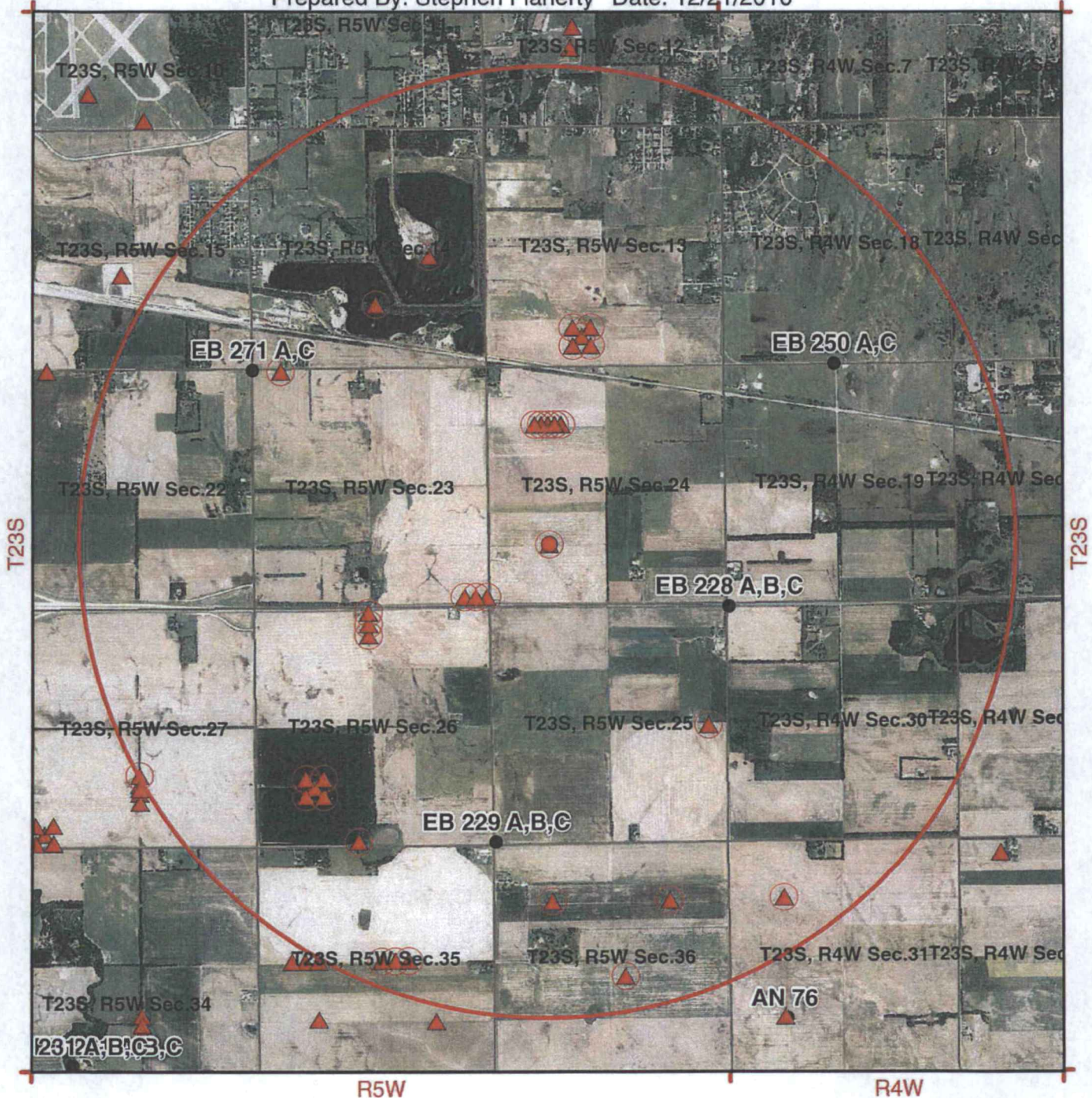
SCANNED

Equus Beds Groundwater Management District No. 2

Safe Yield Evaluation #49591

SWNESW (1340'N & 3960'W) 24-23S-05W, Reno County

Prepared By: Stephen Flaherty Date: 12/21/2016



Map Legend

- Observation Well
- Bedrock
- ▨ Authorized Place of Use
- ▩ Proposed Place of Use

- Proposed Point of Diversion
- ▲ Authorized Location

- Burton IGUCA
- Hollow Nickel SWQUA
- McPherson IGUCA
- Enhanced Well Spacing Area



Equus Beds Groundwater Management District No. 2
313 Spruce Street, Halstead, KS 67056
316-835-2224, equusbeds@gmd2.org

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SAFEYIELD EVALUATION #49591
LOCATION: SWNESW (1340'N & 3960'W) 24-23S-05W, Reno County
SPECIAL USE AREA: None
EVALUATION DATE:- 12/21/2016

Total Areas: 8,042 acres; Area in 3 inch discharge zone: 0 acres; Area in 6 inch discharge zone: 8,042 acres

FILE_ID	WELL_ID	TOWNSHIP	RANGE	SECTION	QUALIFIER	USE	AUTHQUANTITY
A04096400	1788	23S	05W	14	28551241	REC	275
A04523900	3007	23S	05W	26	46802700	IRR	0
A04523900	2979	23S	05W	26	49302700	IRR	215.6
A04523900	3006	23S	05W	26	51802700	IRR	0
A04535900	3025	23S	05W	35	26782300	IRR	184.8
A04535900	3023	23S	05W	35	26782500	IRR	0
A04535900	3024	23S	05W	35	26781900	IRR	0
A04601900	3204	23S	05W	25	26000400	IRR	190.4
A04622000	3285	23S	05W	27	16002600	IRR	0
A04657600	3398	23S	05W	23	1940037	IRR	0
A04657600	3399	23S	05W	23	1980533	IRR	0
A04657600	3395	23S	05W	23	1960285	IRR	147
A04686300	3466	23S	05W	14	14002450	REC	172.9
A04734400	3604	23S	05W	23	52404605	MUN	1935
A04758800	3688	23S	05W	26	13203960	IRR	182
A04758800	3689	23S	05W	26	15204160	IRR	0
A04758800	3690	23S	05W	26	15203760	IRR	0
A04758800	3691	23S	05W	26	11204160	IRR	0
A04758800	3692	23S	05W	26	11203760	IRR	0
A04850500	4129	23S	05W	24	40003960	IRR	94.5
A04850500	4130	23S	05W	24	40003660	IRR	0
A04850500	4131	23S	05W	24	40003810	IRR	0
A04850500	4132	23S	05W	24	40004110	IRR	0
A04850500	4133	23S	05W	24	40004260	IRR	0
A04888100	4241	23S	05W	13	6603164	IRR	273
A04888100	4242	23S	05W	13	8603364	IRR	0
A04888100	4243	23S	05W	13	8602964	IRR	0
A04888100	4244	23S	05W	13	4603364	IRR	0
A04888100	4266	23S	05W	13	4602964	IRR	0
A04958900P	4906	23S	05W	36	22712345	IRR	189
A04959000P	4907	23S	05W	36	39603960	IRR	112
A04959100P	4908	23S	05W	24	13403960	IRR	94.5
A04959200P	4909	23S	05W	36	39601320	IRR	0
A04959300P	4915	23S	04W	31	39803960	IRR	0
A04959400P	4920	23S	05W	24	40003960	IRR	0
A04959400P	4921	23S	05W	24	40003660	IRR	0
A04959400P	4922	23S	05W	24	40003810	IRR	0
A04959400P	4923	23S	05W	24	40004110	IRR	0
A04959400P	4924	23S	05W	24	40004260	IRR	0
A04960200P	4894	23S	05W	26	1112981	IRR	0
A20129466	4054	23S	05W	23	52404605	REM	0

Allowable Appropriations	4,021.00	Total Existing Appropriation	4,065.70
Small User Quantity	0	Non Consumptive Appropriations	0
Remaining SUQ	45	Consumptive Appropriations	4,065.70
Note- Values are in acre-feet		Available Appropriations	0

0 WATER RESOURCES
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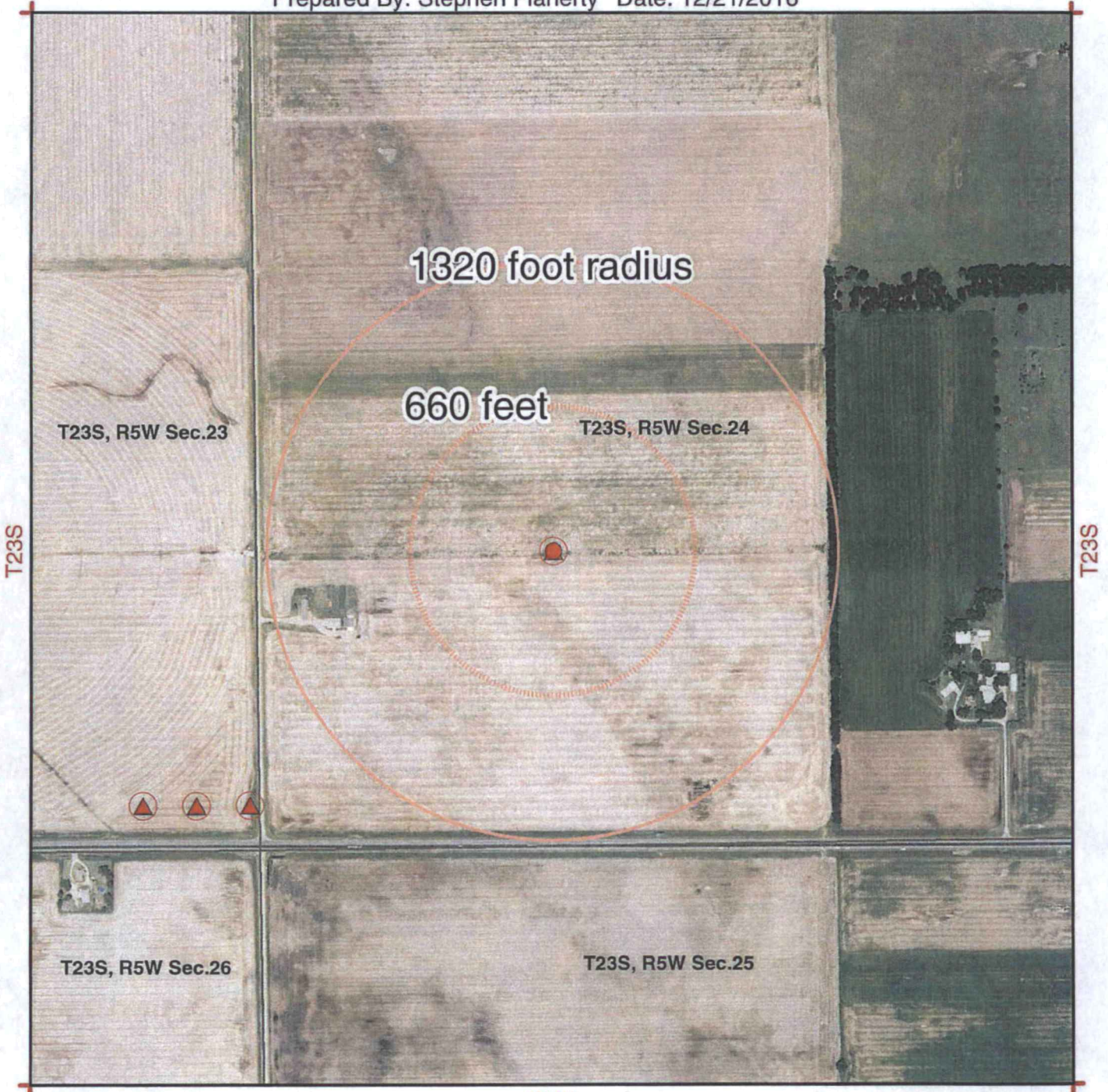
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Equus Beds Groundwater Management District No. 2

Spacing Evaluation #49591

SWNESW (1340'N & 3960'W) 24-23S-05W, Reno County

Prepared By: Stephen Flaherty Date: 12/21/2016



Map Legend

- Observation Well
- Bedrock
- ▨ Authorized Place of Use
- ▩ Proposed Place of Use
- Proposed Point of Diversion
- ▲ Authorized Location
- Burton IGUCA
- Hollow Nikkel SWQUA
- McPherson IGUCA
- Enhanced Well Spacing Area

WATER RESOURCES
DIVISION
Equus Beds Groundwater Management District No. 2
313 Spruce Street, Halstead, KS 67056
316-835-2224, equusbeds@gmd2.org

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Equus Beds Groundwater Management District No. 2

Estimated Place of Use for Application #49591

PD: SWNESW (1340'N & 3960'W) 24-23S-05W, Reno County

Prepared By: Stephen Flaherty Date: 1/30/2017



Map Legend

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- Application Suspension Area

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January 30, 2017

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Attn: Brent Turney
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MANAGEMENT DISTRICT NO. 2

Tim Boese,
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Enclosures

pc: Robert A Bacon, Applicant, with copy of K.A.R. 5-22-12
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Jeff Lanterman, Division of Water Resources, Stafford



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13) Date reviewed: December 23, 2016 *Revised 1-30-17*
 14) Reviewed by: S. Flaherty Title: Hydrogeologist
 15) District recommendation: Approve Deny Other, see comment

16) Comments and Calculations:

Item No. 10a 94.5 AF/67.5 acres = 1.4 AF/acre
 No Overlapping Place of Use
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 No Special Use Areas or IGUCAs
 Recommend denial, does not comply with Safe Yield Regulation K.A.R. 5-22-7

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SAFEYIELD EVALUATION #49591
LOCATION: SWNESW (1340'N & 3960'W) 24-23S-05W, Reno County
SPECIAL USE AREA: None
EVALUATION DATE:- 12/21/2016

Total Areas: 8,042 acres; Area in 3 inch discharge zone: 0 acres; Area in 6 inch discharge zone: 8,042 acres

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Small User Quantity		0			Non Consumptive Appropriations		0
Remaining SUQ		45			Consumptive Appropriations		4,065.70
Note- Values are in acre-feet					Available Appropriations		0

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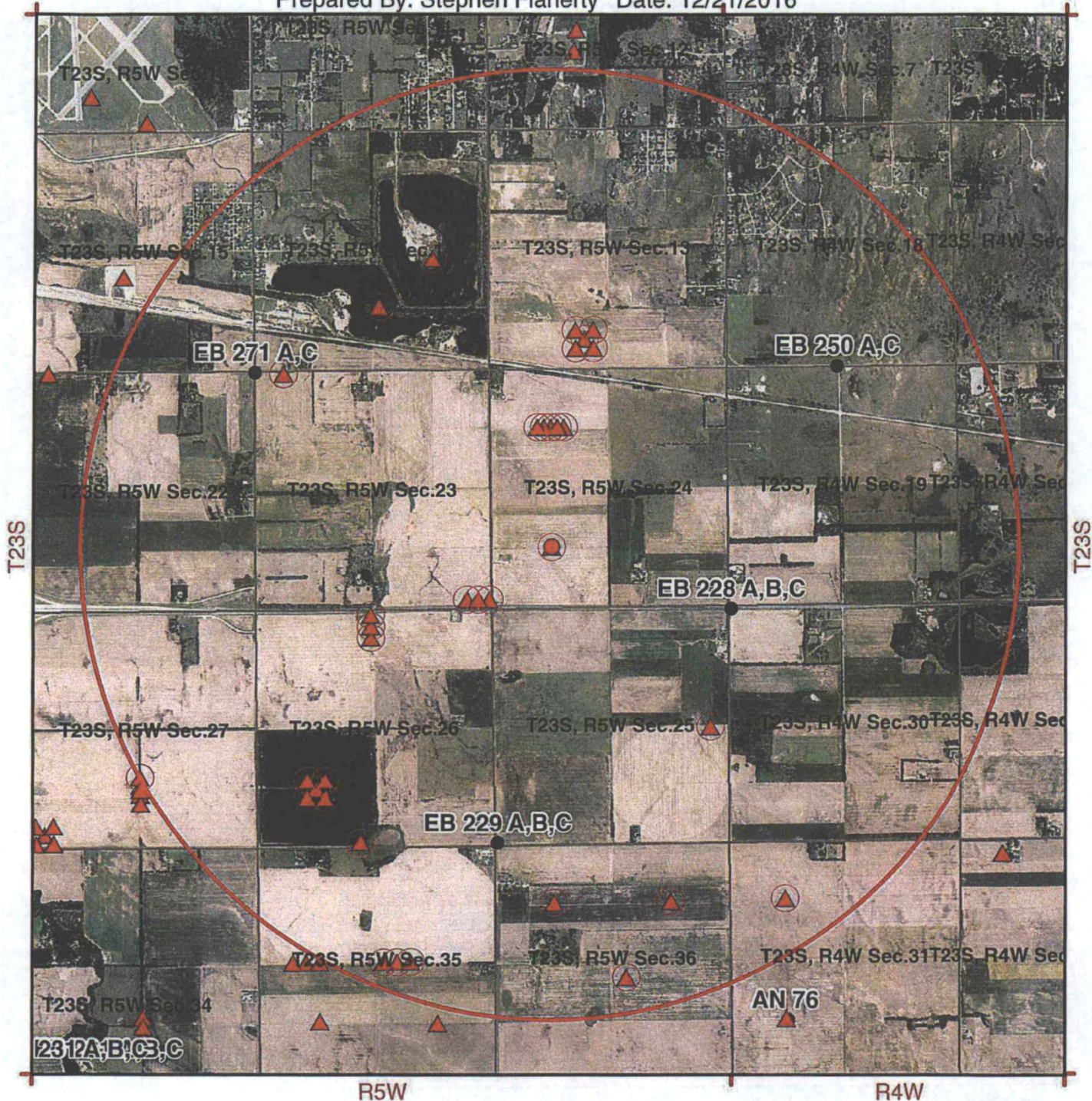
SCANNED

Equus Beds Groundwater Management District No. 2

Safe Yield Evaluation #49591

SWNESW (1340'N & 3960'W) 24-23S-05W, Reno County

Prepared By: Stephen Flaherty Date: 12/21/2016



Map Legend

- Observation Well
- Bedrock
- ▨ Authorized Place of Use
- ▩ Proposed Place of Use
- Proposed Point of Diversion
- ▲ Authorized Location
- Burrton IGUCA
- Hollow Nickel SWQUA
- McPherson IGUCA
- Enhanced Well Spacing Area

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Equus Beds Groundwater Management District No. 2
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316-835-2224, equusbeds@gmd2.org

Equus Beds Groundwater Management District No. 2

Spacing Evaluation #49591

SWNESW (1340'N & 3960'W) 24-23S-05W, Reno County

Prepared By: Stephen Flaherty Date: 12/21/2016



R5W

0 330 660 1,320 Feet

Map Legend

- Observation Well
- Bedrock
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- Proposed Point of Diversion
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- Burton IGUCA
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313 Spruce Street, Halstead, KS 67056
316-835-2224, equusbeds@gmd2.org

JAN 30 2017

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Equus Beds Groundwater Management District No. 2

Estimated Place of Use for Application #49591

PD: SWNESW (1340'N & 3960'W) 24-23S-05W, Reno County

Prepared By: Stephen Flaherty Date: 1/30/2017



Map Legend

- | | | | |
|-------------------------|---|-----------------------------|--|
| ● Observation Well | ● Proposed Point of Diversion | Burton IGUCA | |
| ■ Bedrock | ▲ Authorized Location | Hollow Nikkel SWQUA | |
| Authorized Place of Use | | McPherson IGUCA | |
| Proposed Place of Use | Equus Beds Groundwater Management District No. 2
313 Spruce Street, Halstead, KS 67056
316-835-2224, equusbeds@gmd2.org | Enhanced Well Spacing Area | |
| | JAN 30 2017 | Application Suspension Area | |

