

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

1. File Number: 49590	2. Status Change Date: 5/4/2017	3. Field Office: 02	4. GMD: 02
5. Status: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied by DWR/GMD <input type="checkbox"/> Dismiss by Request/Failure to Return			
6. Enclosures: <input checked="" type="checkbox"/> Check Valve <input checked="" type="checkbox"/> N of C Form <input checked="" type="checkbox"/> Water Tube <input checked="" type="checkbox"/> Driller Copy <input checked="" type="checkbox"/> Meter			
7a. Applicant(s) New to system <input type="checkbox"/>		7c. Landowner(s) New to system <input type="checkbox"/>	
Person ID 58260 Add Seq# 1 ROBERT A & SUSAN D BACON 3616 S MAYFIELD RD HUTCHINSON KS 67501		Person ID _____ Add Seq# _____	
7b. Landowner(s) New to system <input type="checkbox"/>		7d. Landowner New to system <input type="checkbox"/>	
Person ID 64922 Add Seq# 1 ROBERT C BACON REV TRUST C/O JUANITA BACON 405 SUNNYDELL CIRCLE SOUTH HUTCHINSON KS 67505-1726 (Please correct)		Person ID _____ Add Seq# _____	
8. WUR Correspondent New to system <input type="checkbox"/> Overlap File (s) WUC <input type="checkbox"/> Agree <input type="checkbox"/> Yes <input type="checkbox"/> No		9. Use of Water: Changing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Person ID 58260 Add Seq# 1 Notarized WUC Form _____ ROBERT A & SUSAN D BACON 3616 S MAYFIELD RD HUTCHINSON KS 67501		<input checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Surface Water <input checked="" 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: 12/31/2018		11. Perfection Date: 12/31/2022	
12. Exp Date: _____			
13. Conservation Plan Required? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date Required: _____ Date Approved: _____ Date to Comply: _____			
14. Water Level Measuring Device? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date to Comply: _____ Date WLMD Installed: _____			
Date Prepared: 04/11/2017 By: RAK Date Entered: 5/9/2017 By: UM			

File No. **49,590** 15. Formation Code: **190** Drainage Basin: **ARKANSAS RIVER** County: **RN** Special Use: Stream:

16. Points of Diversion

MOD	DEL	ENT	PDIV	Qualifier	S	T	R	ID	'N	'W
MOD			85121	NC NW¼	36	23S	5W	3	3960	3960

17. Rate and Quantity

Authorized		Additional		Overlap PD Files
Rate gpm	Quantity af	Rate gpm	Quantity af	
800 g.p.m.	112 AF	800	112 AF	NO

18. Storage: Rate _____ NF Quantity _____ ac/ft Additional Rate _____ NF Additional Quantity _____ ac/ft

19. Limitation: _____ af/yr at _____ gpm (_____ cfs) when combined with file number(s) _____
 Limitation: _____ af/yr at _____ gpm (_____ cfs) when combined with file number(s) _____

20. Meter Required? Yes No To be installed by **12/31/2018** Date Acceptable Meter Installed _____

21. Place of Use

MOD	DEL	ENT	PUSE	S	T	R	ID	NE¼				NW¼				SW¼				SE¼				Total	Owner	Chg?	Overlap Files		
								NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼						
MOD			67644	36	23S	5W	2					33.50	18.50		28.00									80.00	7b	NO	NO		

Comments:

KANSAS DEPARTMENT OF AGRICULTURE
Division of Water Resources
MEMORANDUM

TO: Files

DATE: April 25, 2017

FROM: Richelle A. Krueger

RE: Application, File No. 49,590

Robert A. Bacon filed the referenced application to appropriate groundwater for irrigation use, requesting a quantity of 112 acre-feet and a diversion rate of 800 gallons per minute. The proposed point of diversion will be one (1) well located 3,960 feet North and 3,960 feet West of the Southeast corner of Section 36, Township 23 South, Range 5 West, Reno County within the drainage basin of the Arkansas River Basin. No overlaps in the proposed point of diversion or place of use are proposed. The proposed acreage is owned by Robert C. Bacon Revocable Trust.

WRIS and the submitted application indicate there are two irrigation applications filed by Mr. Bacon (Application, File Nos. 49,589 and 49,592) and five domestic wells (one under common ownership) within one-half mile of the proposed well. The nearby domestic well owners were notified of the referenced application by letters dated October 25, 2016 sent by Erin McGrogan, former Environmental Scientist with the Permits Unit; no written responses have been received as of today's date.

In letter dated January 30, 2017 with attachments, Equus Beds Groundwater Management District No. 2 recommended the referenced application be approved and indicated that the application complies with K.A.R. 5-22-1 through K.A.R. 5-22-17.


The total quantity available for irrigation use by File No. 49,590, 112 acre-feet, will irrigate the proposed 80 acres with 1.4 acre-feet per acre and is the maximum reasonable quantity allowed pursuant to K.A.R. 5-3-24 in Reno County.

A test hole log was submitted with the pending new application. The source of supply appears to be Equus Beds (190).

In accordance with K.S.A. 82a-706c, the Chief Engineer retains full authority to require any water user to install meters, gages, or other measuring devices, which devices he or she or his or her agents may read at any time. Water flowmeter requirements are further described in K.A.R. 5-1-4 through K.A.R. 5-1-12. If any chemical or foreign substance is injected into the water pumped under this permit, a check valve will also need to be installed. A water level measurement tube is required. The applicant signed, notarized, and returned a minimum desirable streamflow form to our office.

In an April 6, 2017 e-mail Jeff Lanterman, Water Commissioner, Stafford Field Office, recommended approval of the referenced application.

Based on the above discussion, safe yield criteria are met, approval of the application will not impair senior water rights nor prejudicially or unreasonably affect the public interest, it has been recommended that the referenced application be approved.


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

FILE 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

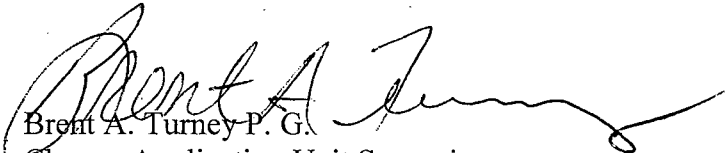
File Nos. 49,587; 49,588; 49,589; 49,590; 49,591; 49,592; 49,593 and 49,594

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

APPROVAL OF APPLICATION
and
PERMIT TO PROCEED
(This is not a Certificate of Appropriation)

This is to certify that I have examined Application File No. **49,590** of the applicant

ROBERT A BACON
3616 S MAYFIELD RD
HUTCHINSON KS 67501

for a permit to appropriate water for beneficial use, together with the maps, plans and other submitted data, and that the application is hereby approved and the applicant is hereby authorized, subject to vested rights and prior appropriations, to proceed with the construction of the proposed diversion works (except those dams and stream obstructions regulated by K.S.A. 82a-301 through 305a, as amended), and to proceed with all steps necessary for the application of the water to the approved and proposed beneficial use and otherwise perfect the proposed appropriation subject to the following terms, conditions and limitations:

1. That the priority date assigned to such application is **March 23, 2016**.
2. That the water sought to be appropriated shall be used for irrigation use on land described in the application, as follows:

Sec.	Twp.	Range	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
36	23S	5W					33.50	18.50		28.00									80.00

3. That the authorized source from which the appropriation shall be made is groundwater, to be withdrawn by means of one (1) well located near the center of the Northwest Quarter (NW¼) of Section 36, more particularly described as being near a point 3,960 feet North and 3,960 feet West of the Southeast corner of said section, in Township 23 South, Range 5 West, Reno County, Kansas, located substantially as shown on the map accompanying the application.

4. That the appropriation sought shall be limited to a maximum diversion rate not in excess of **800 gallons per minute (1.78 c.f.s.)** and to a quantity not to exceed **112 acre-feet** of water for any calendar year.

5. That installation of works for diversion of water shall be completed on or before **December 31, 2018** or within any authorized extension thereof. The applicant shall notify the Chief Engineer and pay the statutorily required field inspection fee of \$400.00 when construction of the works has been completed. Failure to timely submit the notice and the fee will result in revocation of the permit. Any request for an extension of time shall be submitted prior to the expiration of the deadline and shall be accompanied by the required statutory fee of \$100.00.

6. That the proposed appropriation shall be perfected by the actual application of water to the proposed beneficial use on or before **December 31, 2022** or any authorized extension thereof. Any request for an extension of time shall be submitted prior to the expiration of the deadline and shall be accompanied by the required statutory fee of \$100.00.

7. That the applicant shall not be deemed to have acquired a water appropriation for a quantity in excess of the amount approved herein nor in excess of the amount found by the Chief Engineer to have been actually used for the approved purpose during one calendar year subsequent to approval of the application and within the time specified for perfection or any authorized extension thereof.

8. That the use of water herein authorized shall not be made so as to impair any use under existing water rights nor prejudicially and unreasonably affect the public interest.

9. That the right of the appropriator shall relate to a specific quantity of water and such right must allow for a reasonable raising or lowering of the static water level and for the reasonable increase or decrease of the streamflow at the appropriator's point of diversion.

10. That this permit does not constitute authority under K.S.A. 82a-301 through 305a to construct any dam or other obstruction; nor does it grant any right-of-way, or authorize entry upon or injury to, public or private property.

11. That all diversion works constructed under the authority of this permit into which any type of chemical or other foreign substance will be injected into the water pumped from the diversion works shall be equipped with an in-line, automatic quick-closing, check valve capable of preventing pollution of the source of the water supply. The type of valve installed shall meet specifications adopted by the Chief Engineer and shall be maintained in an operating condition satisfactory to the Chief Engineer.

12. That all wells with a diversion rate of 100 gallons per minute or more drilled under the authority of this permit shall have a tube or other device installed in a manner acceptable to, and in accordance with specifications adopted by, the Chief Engineer. This tube or device shall be suitable for making water level measurements and shall be maintained in a condition satisfactory to the Chief Engineer.

13. That an acceptable water flow meter shall be installed and maintained on the diversion works authorized by this permit in accordance with the Kansas Administrative Regulations 5-1-4 through 5-1-12 adopted by the Chief Engineer. This water flow meter shall be used to provide an accurate quantity of water diverted as required for the annual water use report (including the meter reading at the beginning and end of the report year).

14. That the applicant shall maintain accurate and complete records from which the quantity of water diverted during each calendar year may be readily determined and the applicant shall file an annual water use report with the Chief Engineer by March 1 following the end of each calendar year. Failure to file the annual water use report by the due date shall cause the applicant to be subject to a civil penalty.

15. That no water user shall engage in nor allow the waste of any water diverted under the authority of this permit.

16. That failure without cause to comply with provisions of the permit and its terms, conditions and limitations will result in the forfeiture of the priority date, revocation of the permit and dismissal of the application.

17. That the right to appropriate water under authority of this permit is subject to any minimum desirable streamflow requirements identified and established pursuant to K.S.A. 82a-703c for the source of supply to which this water right applies.

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* hereby certify that the foregoing Approval of Application, File No. 49,590, 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:

ROBERT C BACON REV TRUST
C/O JUANITA BACON
405 SUNNYDELL CIRCLE
SOUTH HUTCHINSON KS 67505-1726

Stafford Field Office
Groundwater Management District No. 2



Division of Water Resources

[Faint, illegible text, possibly a stamp or additional signature]



THE STATE OF KANSAS

WATER RESOURCES RECEIVED

4

MAR 23 2016

4:17

KS DEPT OF AGRICULTURE

KANSAS DEPARTMENT OF AGRICULTURE Jackie McClaskey, Secretary of Agriculture

DIVISION OF WATER RESOURCES David W. Barfield, Chief Engineer

File Number 49,590

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 KS State KS Zip Code 67501
Telephone Number: (620) 662-4424

2. The source of water is: [] surface water in [] (stream)
OR [x] groundwater in Arkansas River (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 112 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

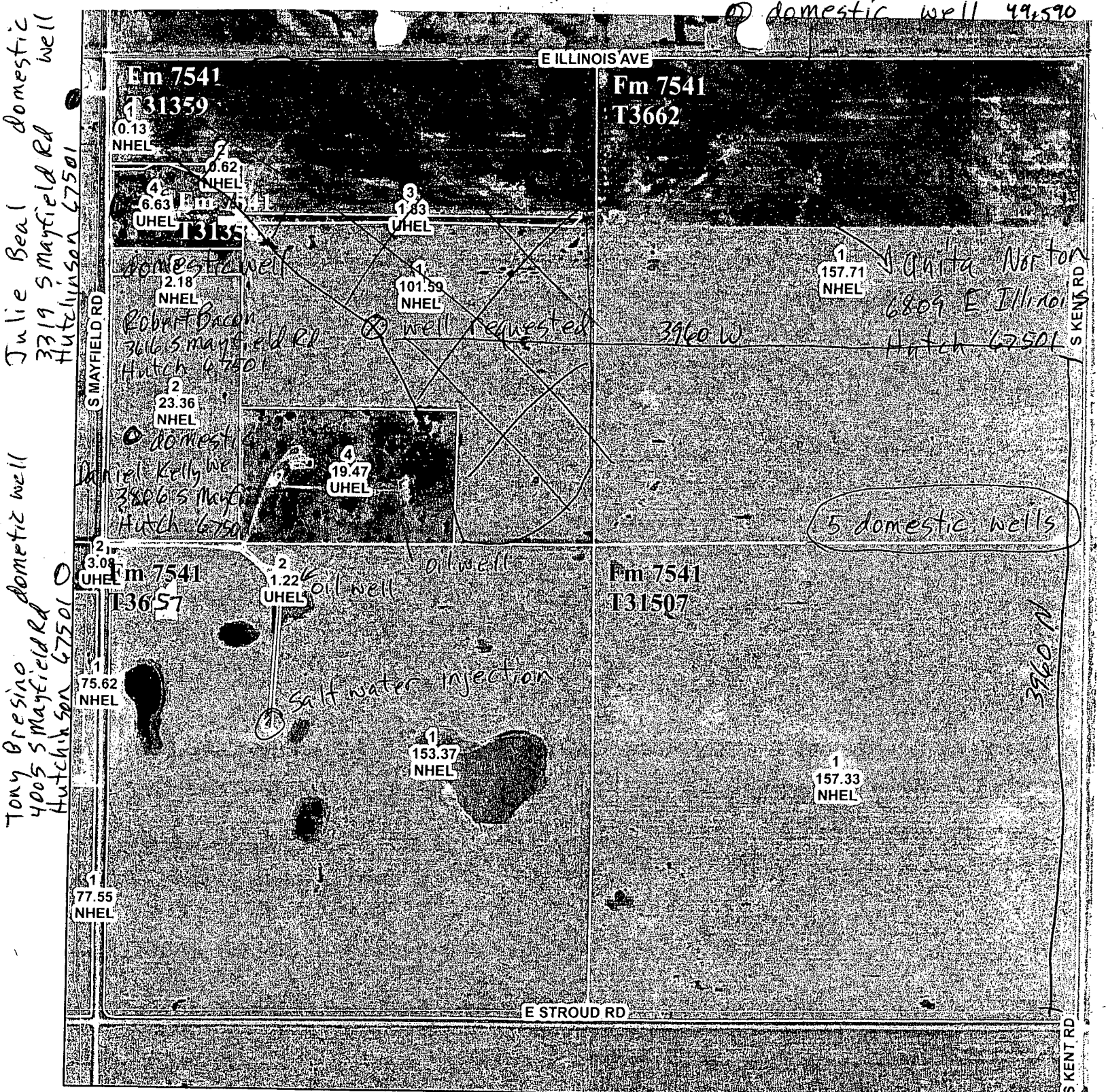
YOU MUST COMPLETE AND ATTACH ADDITIONAL DIVISION OF WATER RESOURCES FORM(S) PROVIDING INFORMATION TO SUBSTANTIATE YOUR REQUEST FOR THE AMOUNT OF WATER FOR THE INTENDED USE REFERENCED ABOVE.

For Office Use Only: F.O. 2 GMD 2 Meets K.A.R. 5-3-1 (YES/NO) Use IRR Source @ S County RN By ASW Date 3/24/16
Code REZ Fee \$ 300 TR # 16034965 Receipt Date 3/23/16 Check # 1085

APPLICATION COMPLETE
4/13/17
Reviewer RAL

SCANNED

3/29/2016 LCM



Julie Beal domestic well
3319 S Mayfield Rd
Hutchinson 67501

Tony Bresino domestic well
4005 S Mayfield Rd
Hutchinson 67501

domestic well 49,590

Anita Norton
6809 E Illinois
Hutch 67501

5 domestic wells



United States Department of Agriculture
Farm Service Agency
RENO COUNTY

36-23-5

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

FY
CY

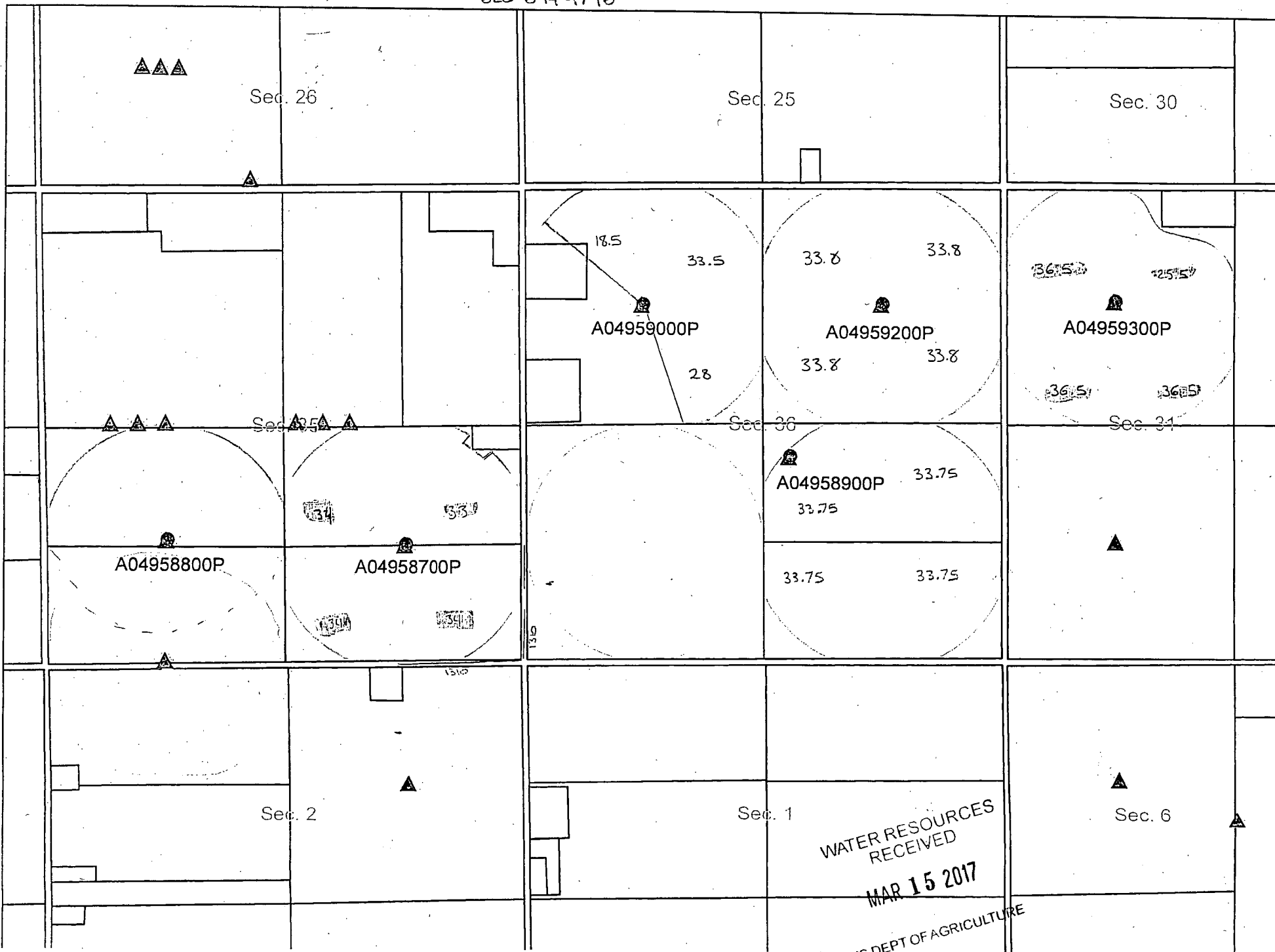
SCANNED WATER RESOURCES RECEIVED

MAR 23 2016

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, or contact NRCS.

KS DEPT OF AGRICULTURE

Bacon36235@gmail.com
620 694 9746



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 ^{NE} quarter of the NW quarter of Section 36, more particularly described as being near a point 3960 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):

Robert C Bacon Trust c/o Juanita Bacon 620.662.4424
(name, address and telephone number)
405 Sunnydell Circle South Hutchinson KS 67505
(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) 1-1-19
(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 1-1-19
(Mo/Day/Year) WATER RESOURCES RECEIVED

SCANNED MAR 23 2016

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. *center 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

WATER RESOURCES RECEIVED

SCANNED

MAR 23 2016

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.

*Requesting
60 days
to gather
information*

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	_____	_____	_____	_____
Total depth of well	_____	_____	_____	_____
Depth to water bearing formation	_____	_____	_____	_____
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):

Robert C Bacon Trust c/o Juanita Bacon 620.662.2651
(name, address and telephone number)

405 Sunnydell Circle South Hutchinson KS 67505
(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)

WATER RESOURCES
RECEIVED

SCANNED MAR 23 2016



WATER RESOURCES
RECEIVED

3-13-17

MAR 15 2017

Brent,

KS DEPT OF AGRICULTURE

Thank goodness I took my
wife's car to exercise class this
morning. I found this envelope
which she was going to mail
for me. Grrrr.

Sorry

Bob

**IRRIGATION USE
SUPPLEMENTAL SHEET**

File No. 49,590

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: Robert C Bacon Trust % Juanita Bacon
 ADDRESS: 405 Sunnydell Circle South Hutchinson 67505-1726

S	T	R	NE¼				* NW¼				SW¼				SE¼				TOTAL
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
36	23	5					33.50	18.5	18	28	28.25								80.0

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	

* Acres Modified per 2/28/17 e-mail. +
 map Steve Fletcher GMD 2
 * NW¼/SE¼ 3/16/17

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

Requesting 60 days to gather information

will find intake rate

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

Soil Name	Percent of field (%)	Intake Rate (in/hr)	Irrigation Design Group
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
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 set this information for you.*

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 Schoenhals is my crop consultant

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

WATER RESOURCES RECEIVED
SCANNED
MAR 23 2016 Page 2 of 2



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

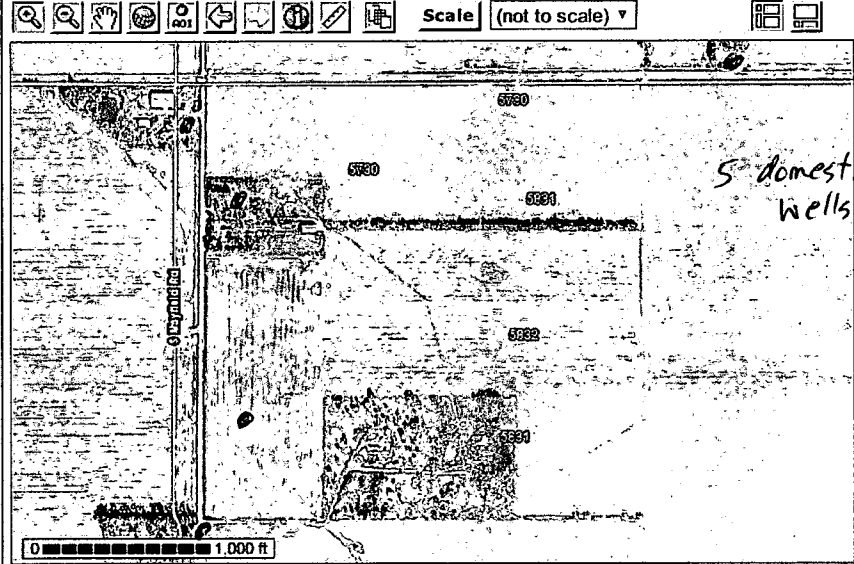
Search

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	22.9	28.5%
5831	Punkin silt loam, 0 to 1 percent slopes	36.8	45.8%
5832	Punkin-Taver complex, 0 to 1 percent slopes	20.6	25.7%
Totals for Area of Interest		80.4	100.0%

Soil Map



Warning: Soil Map may not be valid at this scale.

You have zoomed in beyond the scale at which the soil map for this area is intended to be used. Mapping of soils is done at a particular scale. The soil surveys that comprise your AOI were mapped at 1:24,000. The design of map units and the level of detail shown in the resulting soil map are dependent on that map scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

WATER RESOURCES RECEIVED

SCANNED

MAR 23 2016

KS DEPT OF AGRICULTURE

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

Re: Application No. 49,598
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:

STATE NOTARY PUBLIC
KANSAS
Shelly M. Watkins
Notary Public
State of KANSAS
My commission expires
3 / 4 / 2020

WATER RESOURCES
RECEIVED

SCANNED MAR 23 2016

KS DEPT OF AGRICULTURE

**MINIMUM DESIRABLE STREAMFLOW FORM TO BE USED WHEN
APPLICABLE WHEN FILING AN APPLICATION FOR PERMIT
TO APPROPRIATE WATER FOR BENEFICIAL USE**

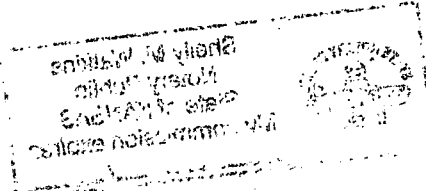
The Kansas Legislature has established minimum desirable streamflows for the streams listed below. If your proposed diversion of water is going to be from one of these watercourses or adjacent alluvial aquifers, please complete the back side of this page and submit it along with your application for permit to appropriate water.

- | | |
|---------------------------------|----------------------------|
| Arkansas River | Ninnescah River |
| Big Blue River | North Fork Ninnescah River |
| Chapman Creek | Rattlesnake Creek |
| Chikaskia River | Republican River |
| Cottonwood River | Saline River |
| Delaware River | Smoky Hill River |
| Little Arkansas River | Solomon River |
| Little Blue River | South Fork Ninnescah |
| Marais des Cygnes River | Spring River |
| Medicine Lodge River | Walnut River |
| Mill Creek (Wabaunsee Co. area) | Whitewater River |
| Neosho River | |

Faint, illegible text at the bottom of the page, possibly bleed-through from the reverse side.

RECEIVED
WATER RESOURCES

KS DEPT OF AGRICULTURE





1000 Corey Road
 P.O. Box 886
 Hutchinson, KS 67504-0886
 620-665-5661
 FAX: 620-665-0559
 TOLL FREE: 877-464-0623
 www.sdklabs.com

Sample # 3455.16
 Sample: Water
 Other ID: NW well

File #
 49590

Date Received: 7/13/2016 15:30:00
 Date/Time Sampled: 7/13/2016 10:30:00
 Date Reported: 07/18/2016
 Total Fee: \$ 35.00

DARLING DRILLING
 3916 WEST 56TH
 HUTCHINSON, KS 67502

ANALYSIS

	Result	Units	Date/Time Analyzed	Analyst
++pH - SM 4500-H+ B	7.48	s.u.	7/14/2016 10:14	SE
++Chloride - SM 4500-Cl B	449.00	mg/L	7/15/2016 09:10	PS
++Total Hardness - SM 2340B	399	mg/L		
++Nitrate-Nitrogen - SM 4500-NO3 D	7.95	mg/L	7/14/2016 13:30	SE
++Calcium - SM 3111B	124.00	mg/L	7/15/2016 09:00	JC
++Magnesium - SM 3111B	21.70	mg/L	7/15/2016 09:00	JC
++Sodium - SM 3111B	268.00	mg/L	7/15/2016 09:00	JC
++Sulfate - SM 4500 SO4 E	100.00	mg/L	7/14/2016 08:20	SE
% Sodium	65.00	%		
SAR-Sodium Absorption Ratio	5.823	s.u.		
++Electrical Conductivity - SM 2510B	2180	umhos/cm	7/14/2016 13:00	SE
TDS-Total Dissolved Solids - Calculated	1546	mg/L		
Irrigation Quality Rating	AS FOLLOWS			
Light Soil -Salinity Hazard	Medium			
Light Soil - Sodium Hazard	High			
Medium Soil -Salinity Hazard	Medium			
Medium Soil -Sodium Hazard	Very High			
Heavy Soil -Salinity Hazard	High			
Heavy Soil -Sodium Hazard	Very High			
General Comment:	Doubtful/Unsuitable			

**Sample receipt temperature = 26.4 degrees C.
 **Sample beyond hold time for pH.

* Denotes analysis was subcontracted to another laboratory for state compliance - see attached.
 Methods of analysis per EPA-600 or EPA SW-846, 3rd Ed., 1986 or Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992.
 ++Denotes NELAP/KDHE Accredited Method. Lab Certificate #E-10152. Results meet all requirements of NELAC unless noted.

WATER RESOURCES
 RECEIVED

SEP 16 2016

KS DEPT OF AGRICULTURE

Approved By: M. Hogan Quality Assurance Officer
 Matt Hogan



Application #49587

Julie Beal Irrigation well
3319 South Mayfield Road
Hutchinson KS 67501

Daniel Kelly Domestic well
3806 South Mayfield Road
Hutchinson KS 67501

Tony Bresino Domestic well
4005 South Mayfield Road
Hutchinson KS 67501

Matthew Burns Domestic well
5613 East Stroud Road
Hutchinson KS 67501

Application 49588

Ray Bartholomew Domestic well
4107 South Obee Road
Hutchinson KS 67501

Julie Beal Two Irrigation wells
3319 South Mayfield Road
Hutchinson KS 67501

Matthew Burns Domestic well
5613 East Stroud Road
Hutchinson KS 67501

Robert Bacon Irrigation well File Number 47609
3616 South Mayfield Road
Hutchinson KS 67501

Application 49589

No wells within one half mile

Application 49590

Julie Beal Domestic well
3319 South Mayfield Road
Hutchinson KS 67501

Anita Norton Domestic well
6809 East Illinois Avenue
Hutchinson KS 67501

Tony Bresino Domestic well
4005 South Mayfield Road
Hutchinson KS 67501

49587 49588 49589
49590 49591 49592
49593 49594

WATER RESOURCES
RECEIVED

SEP 19 2016

KS DEPT OF AGRICULTURE

Application 49590 continued

Daniel Kelly Domestic well
3806 South Mayfield Road
Hutchinson KS 67501

Robert Bacon Domestic well
3616 South Mayfield Road
Hutchinson KS 67501

Application 49591

Matt Brack Irrigation well File Number 48505 NW4 24-23-5
4000 East G Street Irrigation well on SE4 23-23-5
Hutchinson KS 67501

Judy Langley Domestic well
6818 East Blanchard
Hutchinson KS 67501

J. Bartholomew Domestic well
5815 East Blanchard Street
Hutchinson KS 67501

Mickey Strandberg Domestic well
1718 South Mayfield Road
Hutchinson KS 67501

Application Number 49592

Anita Norton Domestic well
6809 East Illinois Avenue
Hutchinson KS 67501

Application Number 49593

Bryan Ford Domestic well
7817 East Illinois Avenue
Hutchinson KS 67501

Application Number 49594 Stacking on top of File Number 48505 Use existing well.

Unknown occupant Domestic well
705 South Mayfield Road
Hutchinson KS 67501

Unknown occupant Domestic well
718 South Mayfield Road
Hutchinson KS 67501

SCANNED

Krueger, Richelle

From: Lanterman, Jeff
Sent: Thursday, April 6, 2017 3:23 PM
To: Krueger, Richelle
Cc: Conant, Cameron
Subject: FW: Request for Recommendation, Bacon New Applications File Nos. 49587; 49589; 49590; 49592; 49593 and 49594
Attachments: newapp49594newappmembattgmd2pdolap48505rev.docx;
newapp49593newappmemgmd2.docx; newapp49592newappmemgmd2.docx;
newapp49590newappmemgmd2.docx; newapp49589newappmemgmd2.docx;
newapp49587newappmemgmd2.docx

Richelle,

Go ahead and approve these applications. I think they are good to go.

Jeff

From: Conant, Cameron
Sent: Thursday, April 6, 2017 2:41 PM
To: Lanterman, Jeff <Jeff.Lanterman@ks.gov>
Subject: FW: Request for Recommendation, Bacon New Applications File Nos. 49587; 49589; 49590; 49592; 49593 and 49594

Jeff, this packet of applications are all in pretty close proximity of one another and located several miles SE of Hutchinson. They have all been reviewed and recommended for approval by GMD#2, so the SY and spacing must be good on all these as there were no board reviews, denials, or appeals on the 6 attached applications.

Here are some representative hydrographs. The area appears very stable. One test log show a DTW of 5.5' and stopped in a clay layer around 33' deep, I didn't find test logs for each application so I guess we have them but they aren't in docuware yet.

http://hercules.kgs.ku.edu/geohydro/wizard/wizardwelldetail.cfm?usgs_id=380002097514503

http://hercules.kgs.ku.edu/geohydro/wizard/wizardwelldetail.cfm?usgs_id=380002097514502

http://hercules.kgs.ku.edu/geohydro/wizard/wizardwelldetail.cfm?usgs_id=380000097463003

http://hercules.kgs.ku.edu/geohydro/wizard/wizardwelldetail.cfm?usgs_id=380142097484001

I think you can pass these on to Richelle with a recommendation of approval.

Cameron

From: Krueger, Richelle
Sent: Wednesday, March 22, 2017 11:46 AM
To: Lanterman, Jeff <Jeff.Lanterman@ks.gov>
Cc: Conant, Cameron <Cameron.Conant@ks.gov>; Turney, Brent <Brent.Turney@ks.gov>
Subject: Request for Recommendation, Bacon New Applications File Nos. 49587; 49589; 49590; 49592; 49593 and 49594

Hi Jeff,

Attached are draft memos for the referenced new applications . I resubmitted Application File No. 49588 to GMD 2 for another recommendation but thought maybe you would want to start reviewing some of this package. Application File No. 49591 was recommended for denial based on safe yield, I think it will be dismissed.

Do you recommend approval of the attached new applications?

Thanks,
Richelle

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

Krueger, Richelle

From: Turney, Brent
Sent: Monday, January 30, 2017 2:13 PM
To: Krueger, Richelle
Subject: FW: #49590 Application Approval Letters
Attachments: 49590 Meter Installation Letter.pdf; 49590 Application Approval 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 2:07 PM
To: Turney, Brent <Brent.Turney@ks.gov>
Cc: Engelbrecht, Jessica <Jessica.Engelbrecht@ks.gov>
Subject: #49590 Application Approval Letters

Good Afternoon!

Attached is an Application Approval Letter and a Meter Installation Letter from Manager Tim Boese for #49590.

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

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

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

Robert A. Bacon
3616 S. Mayfield Rd.
Hutchinson, KS 67501

Re: Appropriation Application No. 49590

Dear Mr. Bacon:

The Equus Beds Groundwater Management District No. 2 made a recommendation to the Division of Water Resources that Appropriation Application No. 49590 be approved. Pursuant to K.A.R. 5-22-4a, the Well described in the application must be equipped with a District approved water flowmeter: The Well is located near the center of the Northwest Quarter of Section 36, Township 23 South, Range 5 West, Reno County.

The well must be properly equipped with an approved meter within 30 days after the approved well is operational and prior to its operation. If more time is needed to install the meter or modify an existing meter installation, you may request an extension of time. The request must be made to the District before the end of the 30-day period.

Enclosed is a Flow Meter Installation form to be completed and returned to this office after completion of the meter installation or modifications. A copy of the Division of Water Resources' meter installation notification form (Notice and Proof of Completion of Works) may be substituted for the District form. Upon receiving the completed form, the District will inspect the installation.

Also enclosed is a copy of water meter and installation specifications. The water meter must meet these specifications and the list of certified water meters provided under K.A.R. 5-1-12, for District approval. The list of certified water meters can be obtained by contacting the District or at following link: <http://agriculture.ks.gov/divisions-programs/dwr/water-appropriation/water-flowmeters>. If you have any questions about the District's metering program or the enclosed material, please contact the District for assistance.

Sincerely,
EQUUS BEDS GROUNDWATER
MANAGEMENT DISTRICT NO. 2

Tim Boese
Manager
TDB/STF

Enclosures

pc: Robert C. Bacon Rev. Trust, Landowner
Jeff Lanterman, Division of Water Resources, Stafford

WATER RESOURCES
RECEIVED

JAN 30 2017

KS DEPT OF AGRICULTURE

TRANSFER FILE TRANSMITTER NewApplication # 49590_Bacon.docx



SCANNED

Krueger, Richelle

From: Turney, Brent
Sent: Monday, January 30, 2017 2:13 PM
To: Krueger, Richelle
Subject: FW: #49590 Application Approval Letters
Attachments: 49590 Application Approval Letter.pdf; 49590 Meter Installation 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 2:09 PM
To: Turney, Brent <Brent.Turney@ks.gov>
Cc: Engelbrecht, Jessica <Jessica.Engelbrecht@ks.gov>
Subject: #49590 Application Approval Letters

Good Afternoon!

Attached is an Application Approval Letter and a Meter Installation Letter from Manager Tim Boese for #49590.

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

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

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

Robert A. Bacon
3616 S. Mayfield Rd.
Hutchinson, KS 67501

Re: Appropriation Application No. 49590

Dear Mr. Bacon:

The Equus Beds Groundwater Management District No. 2 made a recommendation to the Division of Water Resources that Appropriation Application No. 49590 be approved. Pursuant to K.A.R. 5-22-4a, the Well described in the application must be equipped with a District approved water flowmeter: The Well is located near the center of the Northwest Quarter of Section 36, Township 23 South, Range 5 West, Reno County.

The well must be properly equipped with an approved meter within 30 days after the approved well is operational and prior to its operation. If more time is needed to install the meter or modify an existing meter installation, you may request an extension of time. The request must be made to the District before the end of the 30-day period.

Enclosed is a Flow Meter Installation form to be completed and returned to this office after completion of the meter installation or modifications. A copy of the Division of Water Resources' meter installation notification form (Notice and Proof of Completion of Works) may be substituted for the District form. Upon receiving the completed form, the District will inspect the installation.

Also enclosed is a copy of water meter and installation specifications. The water meter must meet these specifications and the list of certified water meters provided under K.A.R. 5-1-12, for District approval. The list of certified water meters can be obtained by contacting the District or at following link: <http://agriculture.ks.gov/divisions-programs/dwr/water-appropriation/water-flowmeters>. If you have any questions about the District's metering program or the enclosed material, please contact the District for assistance.

Sincerely,
EQUUS BEDS GROUNDWATER
MANAGEMENT DISTRICT NO. 2

Tim Boese
Manager
TDB/STF

Enclosures

pc: Robert C. Bacon Rev. Trust, Landowner
Jeff Lanterman, Division of Water Resources, Stafford

WATER RESOURCES
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JAN 30 2017

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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

December 21, 2016

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

FILE COPY

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
TIM BOESE
313 SPRUCE ST
HALSTEAD KS 67056-1925

November 16, 2016

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



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Manhattan, Kansas 66502
(785) 564-6700

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

Jackie McClaskey, Secretary

Governor Sam Brownback

FILE COPY

October 25, 2016

ANITA NORTON
6809 EAST ILLINOIS AVE
HUTCHINSON KS 67501

Re: Application File No. 49,590

Dear Sir or Madam:

This is to advise you that Robert Bacon has filed the application referred to above for a permit to appropriate 112 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 near the center of the Northwest Quarter of Section 36, Township 23 South, Range 5 West, Reno County, Kansas.

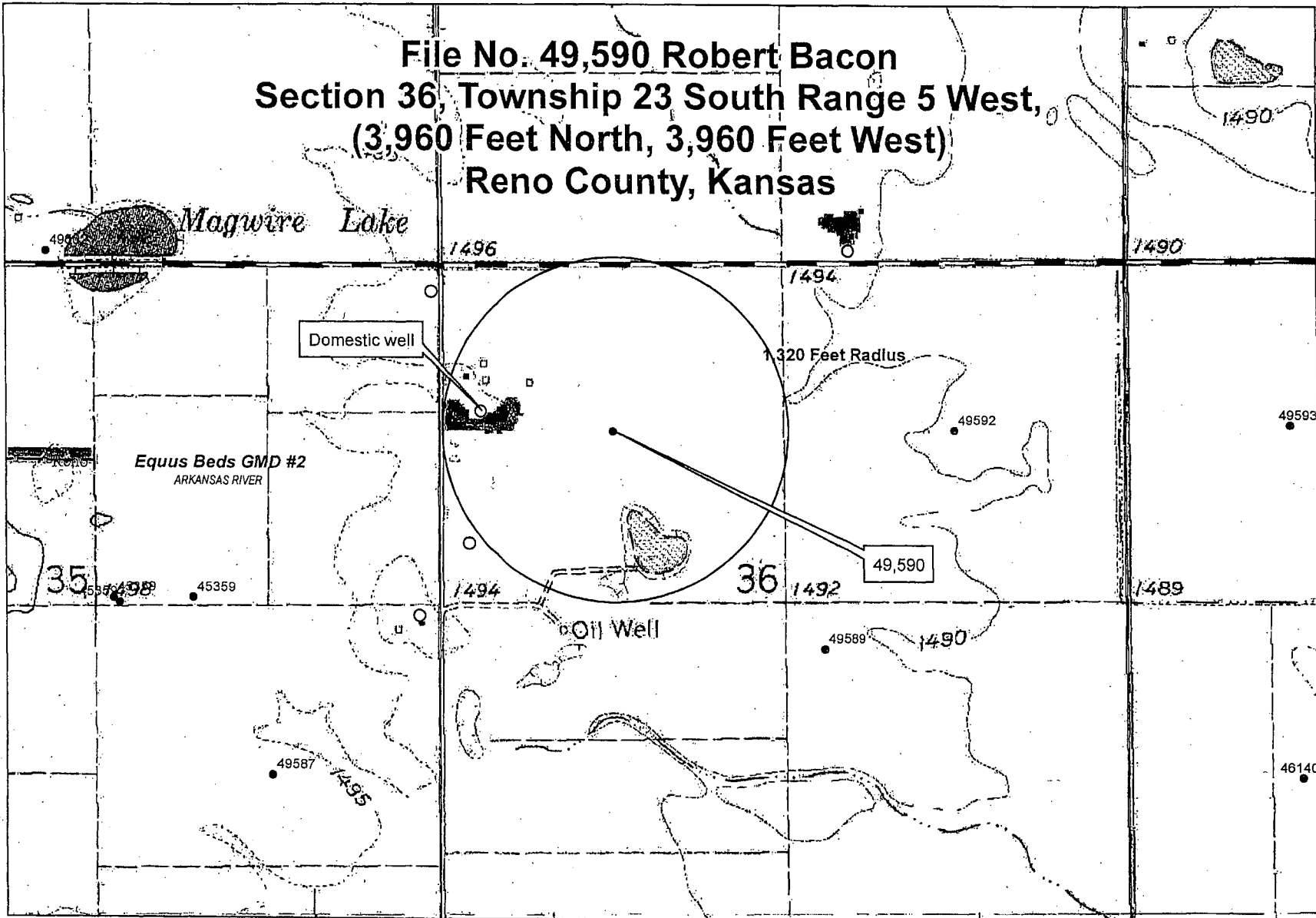
Records in this office indicate that you may have a well or wells in this vicinity and you are being notified of receipt of this application in order that you may be fully informed of the proposed location of the applicant's point of diversion and proposed use of water. Consideration will be given to 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

**File No. 49,590 Robert Bacon
Section 36, Township 23 South Range 5 West,
(3,960 Feet North, 3,960 Feet West)
Reno County, Kansas**



0 445 890 1,780 2,670 3,560 Feet

9/30/2016 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

DANIEL KELLY
3616 SOUTH MAYFIELD RD
HUTCHINSON KS 67501

Re: Application File No. 49,590

Dear Sir or Madam:

This is to advise you that Robert Bacon has filed the application referred to above for a permit to appropriate 112 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 near the center of the Northwest Quarter of Section 36, Township 23 South, Range 5 West, Reno County, Kansas.

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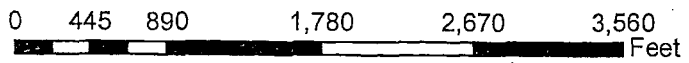
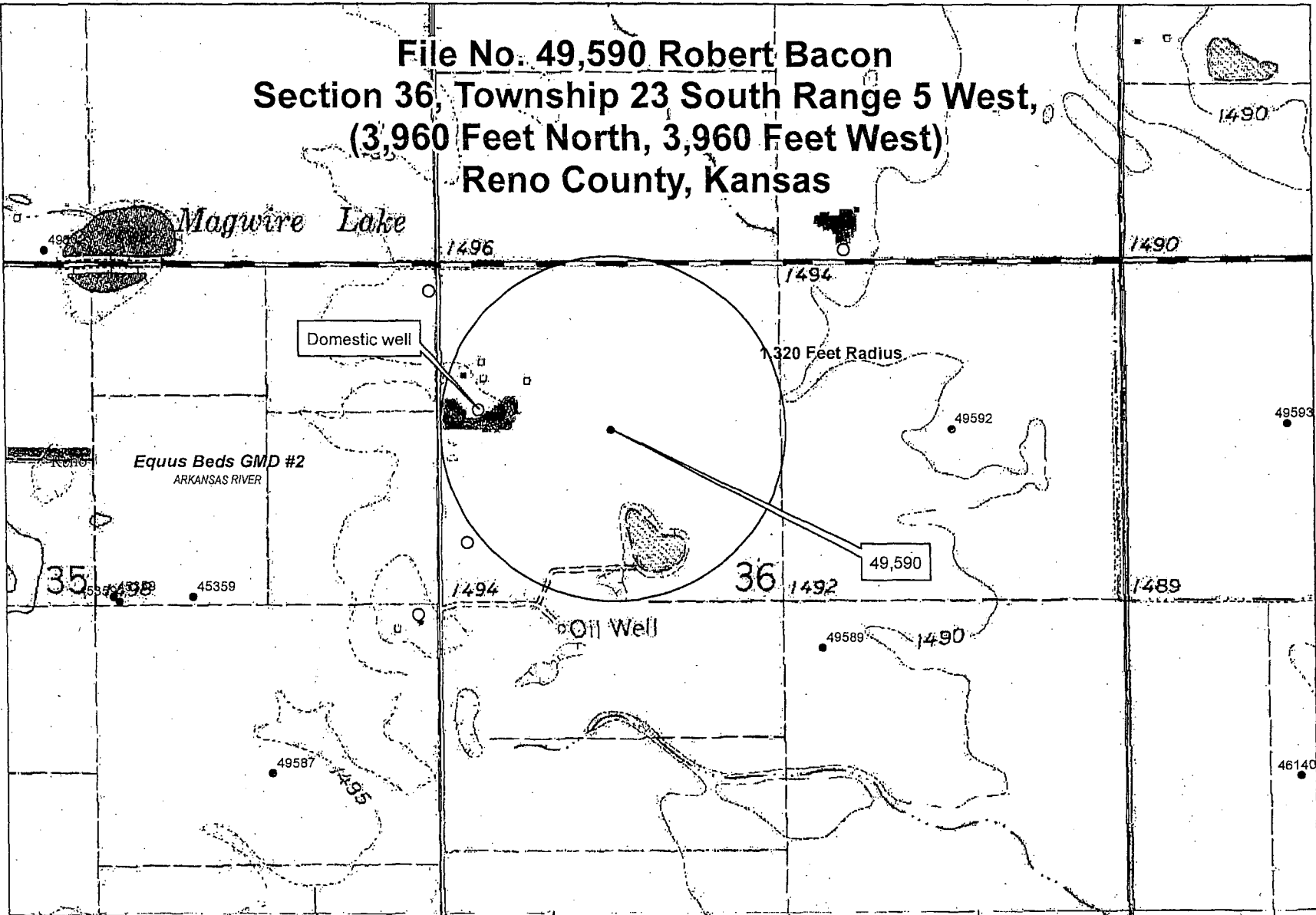
Sincerely,

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

Erin McGrogan
Environmental Scientist
Permits Unit

Enclosure: emc
pc: Stockton Field Office
Robert Bacon

**File No. 49,590 Robert Bacon
Section 36, Township 23 South Range 5 West,
(3,960 Feet North, 3,960 Feet West)
Reno County, Kansas**



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Topeka, Kansas 66612
(785) 296-3556

Jackie McClaskey, Secretary

Governor Sam Brownback

October 25, 2016

TONY BRESINO
4005 SOUTH MAYFIELD ROAD
HUTCHINSON KS 67501

FILE COPY

Re: Application File No. 49,590

Dear Sir or Madam:

This is to advise you that Robert Bacon has filed the application referred to above for a permit to appropriate 112 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 near the center of the Northwest Quarter of Section 36, Township 23 South, Range 5 West, Reno County, Kansas.

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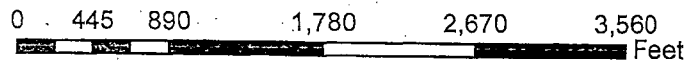
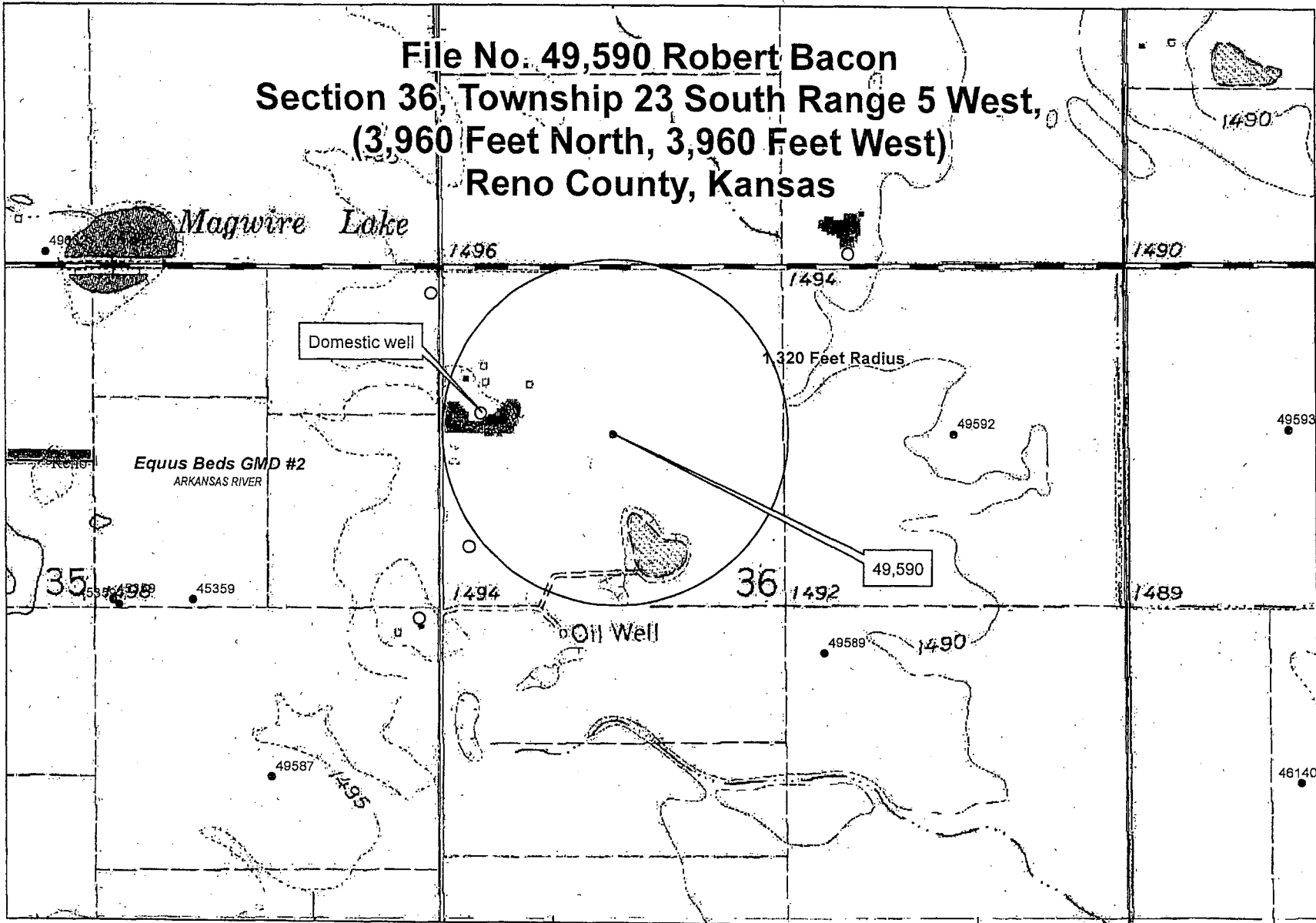
Sincerely,

Erin McGrogan

Erin McGrogan
Environmental Scientist
Permits Unit

Enclosure: emc
pc: Stockton Field Office
Robert Bacon

**File No. 49,590 Robert Bacon
Section 36, Township 23 South Range 5 West,
(3,960 Feet North, 3,960 Feet West)
Reno County, Kansas**



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(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

JULIE BEAL
3319 S MAYFIELD
HUTCHINSON KS 67501

Re: Application File No. 49,590

Dear Sir or Madam:

This is to advise you that Robert Bacon has filed the application referred to above for a permit to appropriate 112 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 near the center of the Northwest Quarter of Section 36, Township 23 South, Range 5 West, Reno County, Kansas.

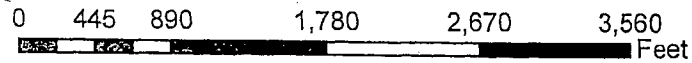
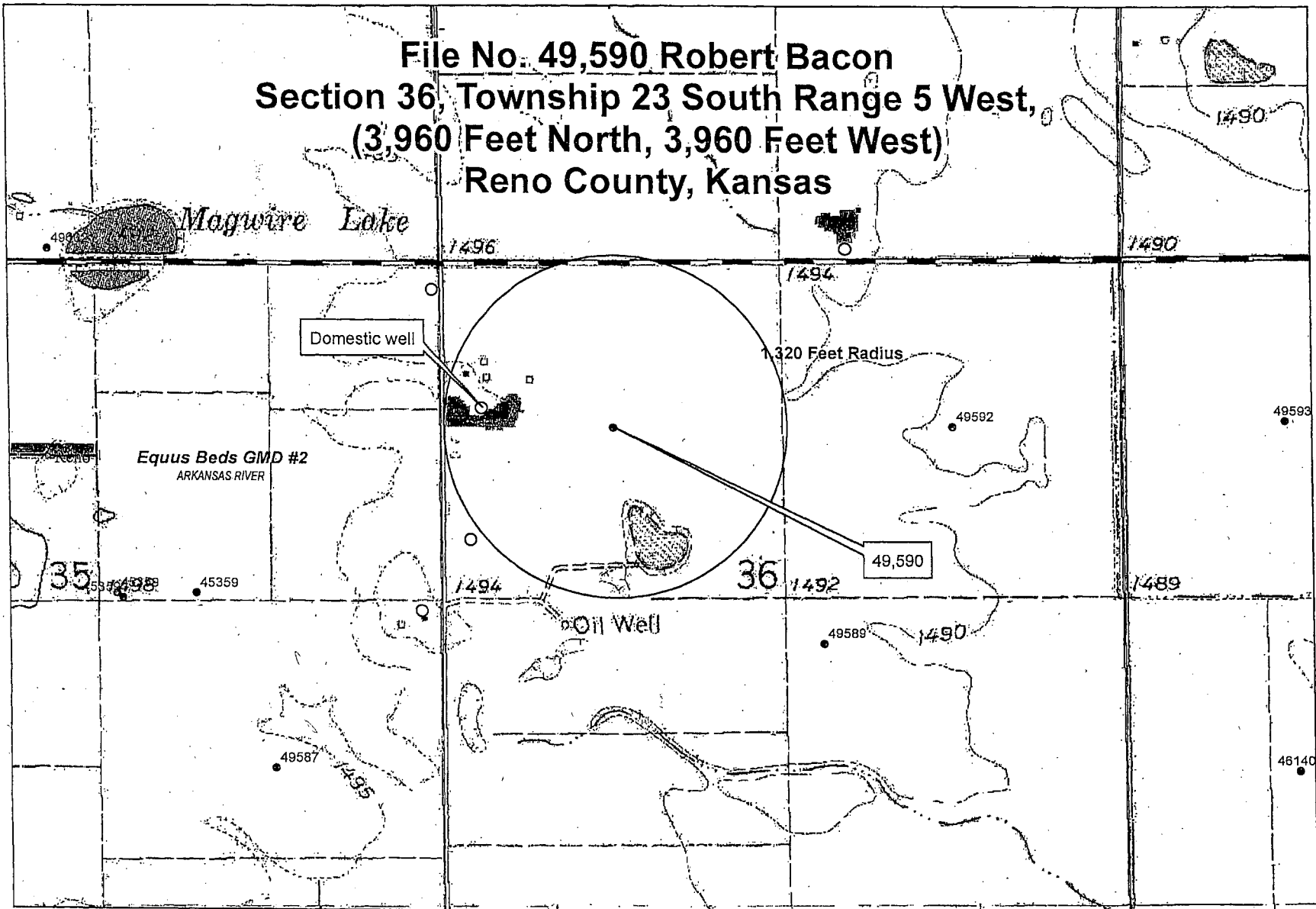
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Sincerely,

Erin McGrogan
Environmental Scientist
Permits Unit

Enclosure: emc
pc: Stockton Field Office
Robert Bacon

**File No. 49,590 Robert Bacon
Section 36, Township 23 South Range 5 West,
(3,960 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. 49590

Dear Sir or Madam:

Your application for permit to appropriate water in 36-23S-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.

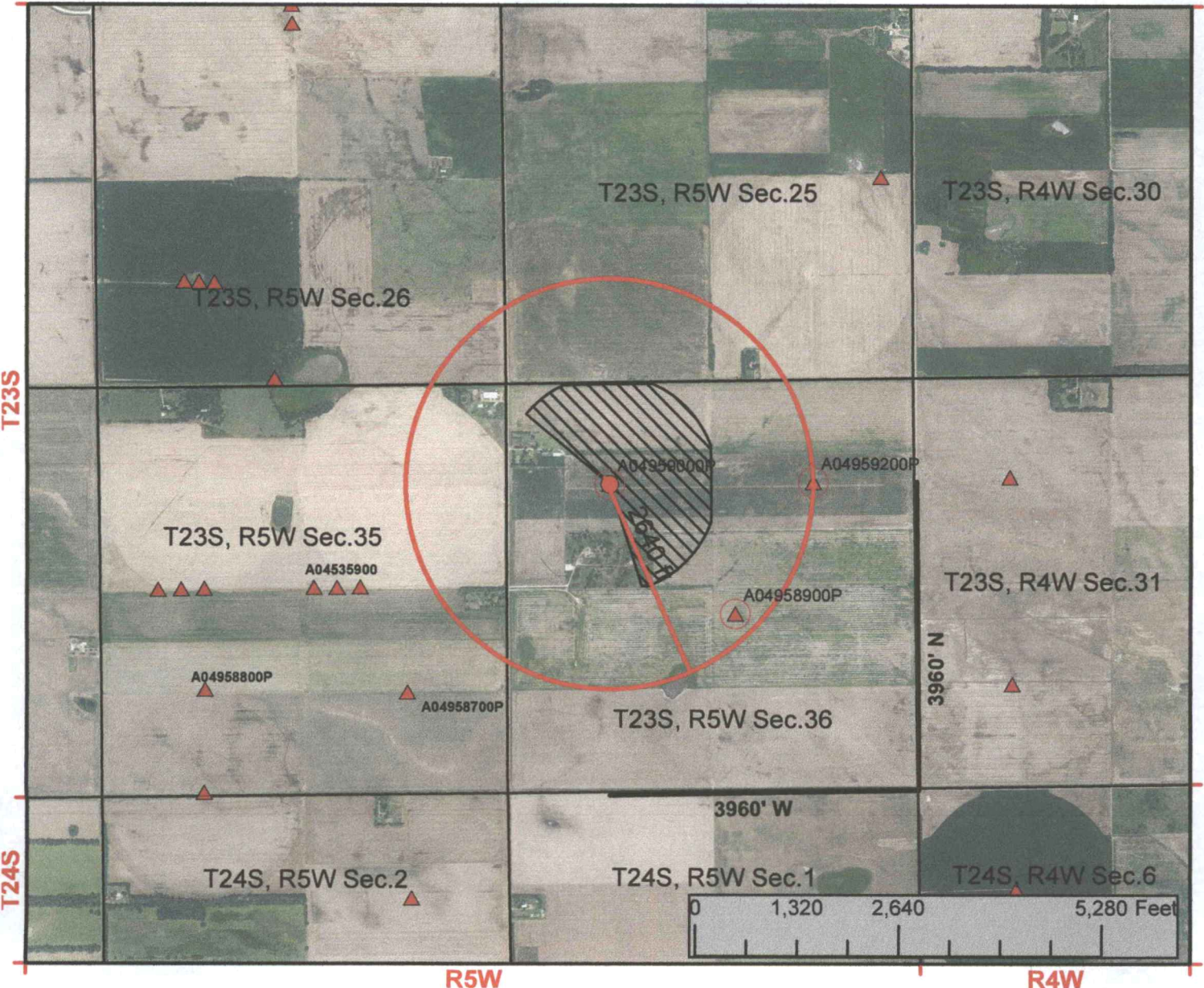
Sincerely,

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

KAK: DLW
pc: STAFFORDField Office
GMD 2

SCANNED

New Application Map File No 49590



I declare that all water wells or diversion sites using the same source of supply and within 1/2 mile of the proposed point of diversion have been plotted on the application map.

Robert H Bacon

Signature

3-1-17

Date



New Application



Application No. To Change: WATER RESOURCES RECEIVED



Point of Diversion



Place of Use



Use Made of Water KS DEPT OF AGRICULTURE



Proposed Point of Diversion



Existing Points of Diversion



Proposed Place of Use



Authorized Place of Use

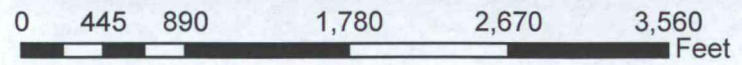
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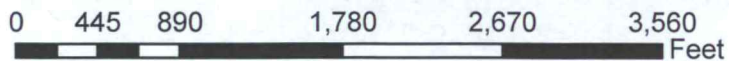
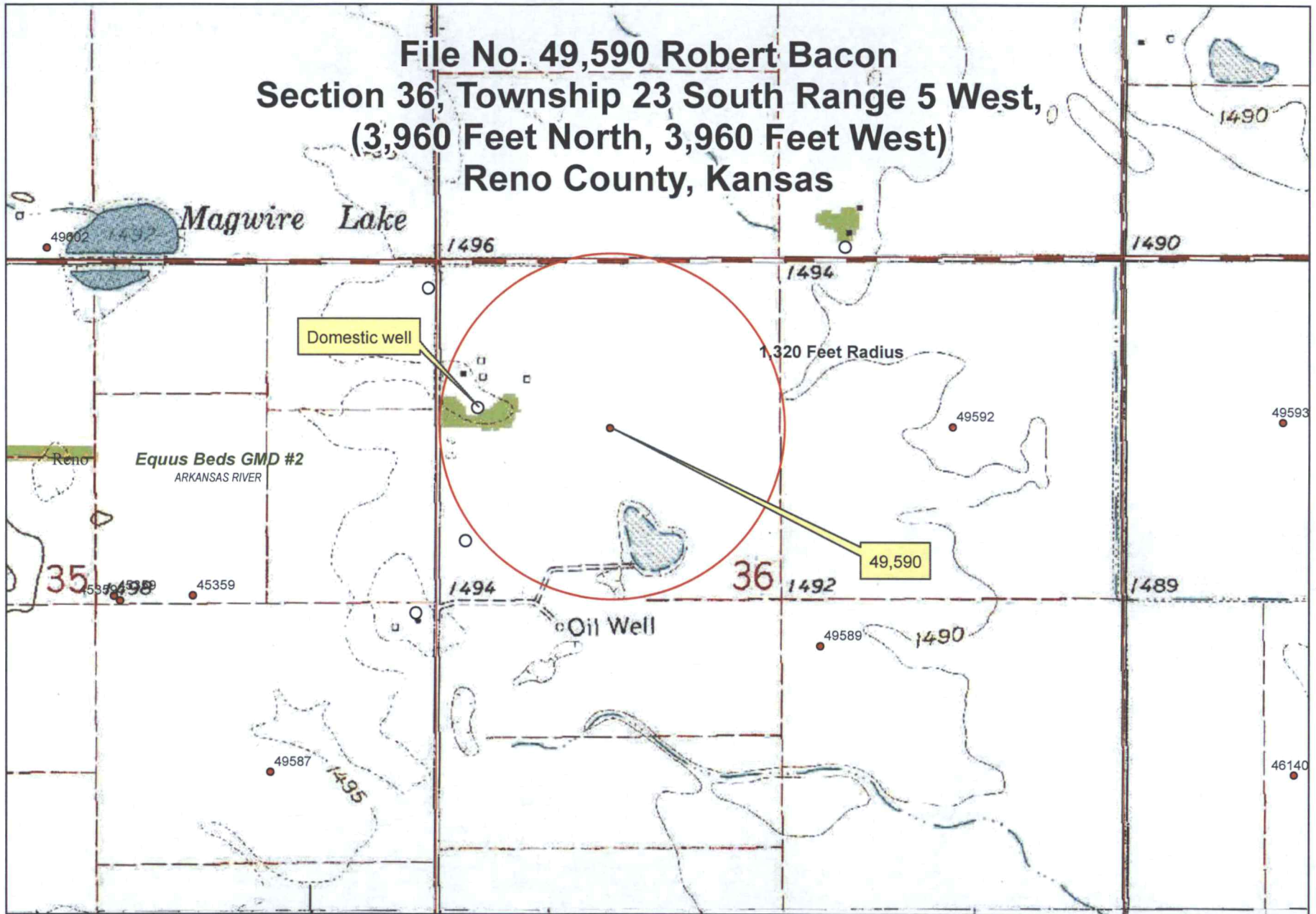
See attached list for surrounding well owners

SCANNED

**File No. 49,590 Robert Bacon
Section 36, Township 23 South Range 5 West,
(3,960 Feet North, 3,960 Feet West)
Reno County, Kansas**



**File No. 49,590 Robert Bacon
Section 36, Township 23 South Range 5 West,
(3,960 Feet North, 3,960 Feet West)
Reno County, Kansas**



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. 49590 – Robert A. Bacon

Dear Mr. Turney:

The Equus Beds Groundwater Management District No. 2 reviewed the referenced new application on January 30, 2017 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 application complies with the Revised Aquifer Management program approved by the Chief Engineer and with the District's Rules and Regulations K.A.R. 5-22-1 through 5-22-17. Therefore, the application is recommended for approval by the Equus Beds Groundwater Management District No. 2.

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 date of this notification, pursuant to K.A.R. 5-22-12.

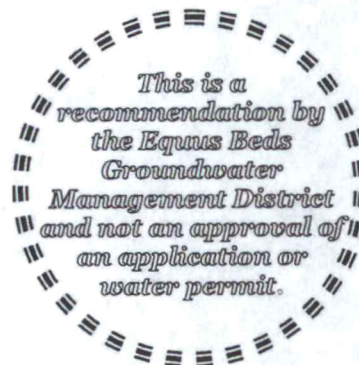
Please contact the District should you have any questions regarding the review or recommendation.

Sincerely,
EQUUS BEDS GROUNDWATER
MANAGEMENT DISTRICT NO. 2

Tim Boese
Manager
TDB/STF

Enclosure

pc: Robert A. Bacon, Applicant
Robert C. Bacon Rev. Trust., Landowner
Jeff Lanterman, Division of Water Resources, Stafford



WATER RESOURCES
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FEB 06 2017

KS DEPT. OF AGRICULTURE

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

1) Application No. 49590 Date filed: March 23, 2016
 2) Applicant: Robert A Bacon County: Reno
 3) Proposed maximum quantity: 112 acre-feet/year Rate: 800 GPM
 4) Proposed Use: Irrigation
 5) P/D location: NCNW 36-23S-5W Geo Center: North 3960 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: 3655.9 af/yr
 (c) Total small user exemptions: 0.00 af/yr
 (d) Total non-consumptive use: 0.00 af/yr
 (e) Total consumptive use: 3655.90 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: >1320 ft
 (c) Non-Domestic well spacing interval: >660 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: EB229

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
TFB*

16) Comments and Calculations:

No Overlapping Place of Use
 Robert A Bacon appears to be another Landowner on the place of use but is not listed as a landowner on the application.
 No Overlapping Point of Diversion
 Surrounding Well Owner Notifications sent
 No Well Owner Inquiries
 No Rate/Quantity Limitations
 No Special Use Areas or IGUCAs

WATER RESOURCES
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FEB 06 2017

KS DEPT OF AGRICULTURE

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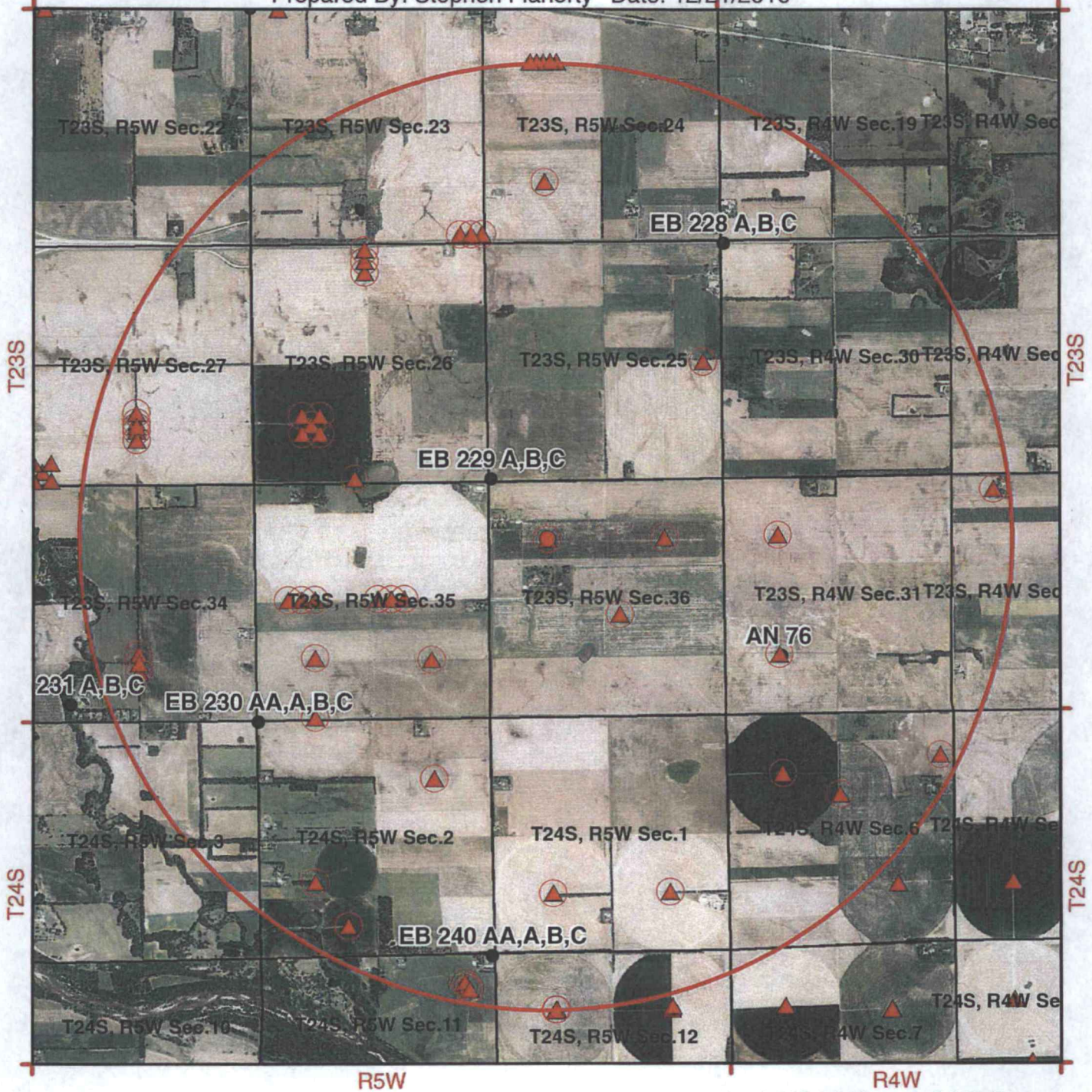
SCANNED

Equus Beds Groundwater Management District No. 2

Safe Yield Evaluation No. 49590

NCNW (3960'N & 3960'W) 36-23S-05W, Reno County

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



0 1,320 2,640 5,280 Feet

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



Equus Beds Groundwater Management District No. 2
 313 Spruce Street, Halseid, KS 67055
 316-835-2224, equusbeds@gmd2.org

SCANNED FEB 06 2017

SAFEYIELD EVALUATION #49590
LOCATION: NCNW (3960'N & 3960'W) 36-235-05W, 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
A00460400	1763	23S	04W	32	NENWNW	IRR	36
A02826100	738	24S	05W	2	6603310	IRR	0
A02826100	737	24S	05W	2	6603305	IRR	0
A02826100	735	24S	05W	2	6603290	IRR	0
A02826100	736	24S	05W	2	6603295	IRR	0
A02826100	4268	24S	05W	2	6603300	IRR	93
A02888200	1279	24S	05W	12	39653940	IRR	76
A02888200	1278	24S	05W	12	39653920	IRR	76
A02965900	296	24S	05W	2	16904020	IRR	49
A03223500	1869	24S	05W	11	46040599	IRR	124
A03223500	4218	24S	05W	11	46820655	IRR	0
A03223500	4219	24S	05W	11	45250542	IRR	0
A03431800	1506	24S	04W	6	SENE NE	IRR	25
A03901600	140	24S	04W	6	34152613	IRR	95
A03940800	1055	24S	04W	6	34152613	IRR	68.5
A04360100	2646	24S	05W	1	13361317	IRR	183
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
A04525300	2981	24S	05W	1	13363951	IRR	173
A04535800	3022	23S	05W	35	26784282	IRR	146.3
A04535800	3020	23S	05W	35	26784532	IRR	0
A04535800	3021	23S	05W	35	26783932	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
A04605800	3227	24S	04W	6	38263888	IRR	190
A04614000	3252	23S	04W	31	13203960	IRR	182
A04622000	3284	23S	05W	27	14002600	IRR	0
A04622000	3285	23S	05W	27	16002600	IRR	0
A04622000	3286	23S	05W	27	12002600	IRR	0
A04622000	3287	23S	05W	27	10002600	IRR	0
A04622000	3267	23S	05W	27	13002600	IRR	184.8
A04657600	3398	23S	05W	23	1940037	IRR	0
A04657600	3399	23S	05W	23	1980533	IRR	0
A04657600	3395	23S	05W	23	1960285	IRR	147
A04668500	3439	24S	05W	11	46040599	IRR	52.4
A04668500	3440	24S	05W	11	46820655	IRR	0
A04668500	3441	24S	05W	11	45250542	IRR	0
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
A04760900	3710	23S	05W	35	503960	IRR	182
A04803400	3874	23S	05W	34	13202635	IRR	112
A04803400	3875	23S	05W	34	15202635	IRR	0
A04803400	3876	23S	05W	34	11202635	IRR	0
A04803400	3877	23S	05W	34	13202635	IRR	0
A04907000	4226	23S	05W	34	13202635	IRR	103.6
A04907000	4851	23S	05W	34	15202635	IRR	0
A04907000	4852	23S	05W	34	11202635	IRR	0
A04907000	4855	23S	05W	34	13202635	IRR	0
A04958700P	4904	23S	05W	35	13101310	IRR	189
A04958800P	4905	23S	05W	35	13803940	IRR	94.5
A04958900P	4906	23S	05W	36	22712345	IRR	189
A04959000P	4907	23S	05W	36	39603960	IRR	112
A04959100P	4908	23S	05W	24	13403960	IRR	0
A04959200P	4909	23S	05W	36	39601320	IRR	0
A04959300P	4915	23S	04W	31	39803960	IRR	0
A04960200P	4894	23S	05W	26	1112981	IRR	0
A04962600P	4906	24S	05W	2	39601320	IRR	0

Allowable Appropriations	4,021.00	Total Existing Appropriation	3,655.90
Small User Quantity	0	Non Consumptive Appropriations	0
Remaining SUQ	45	Consumptive Appropriations	3,655.90
Note- Values are in acre-feet		Available Appropriations	365.10

**WATER RESOURCES
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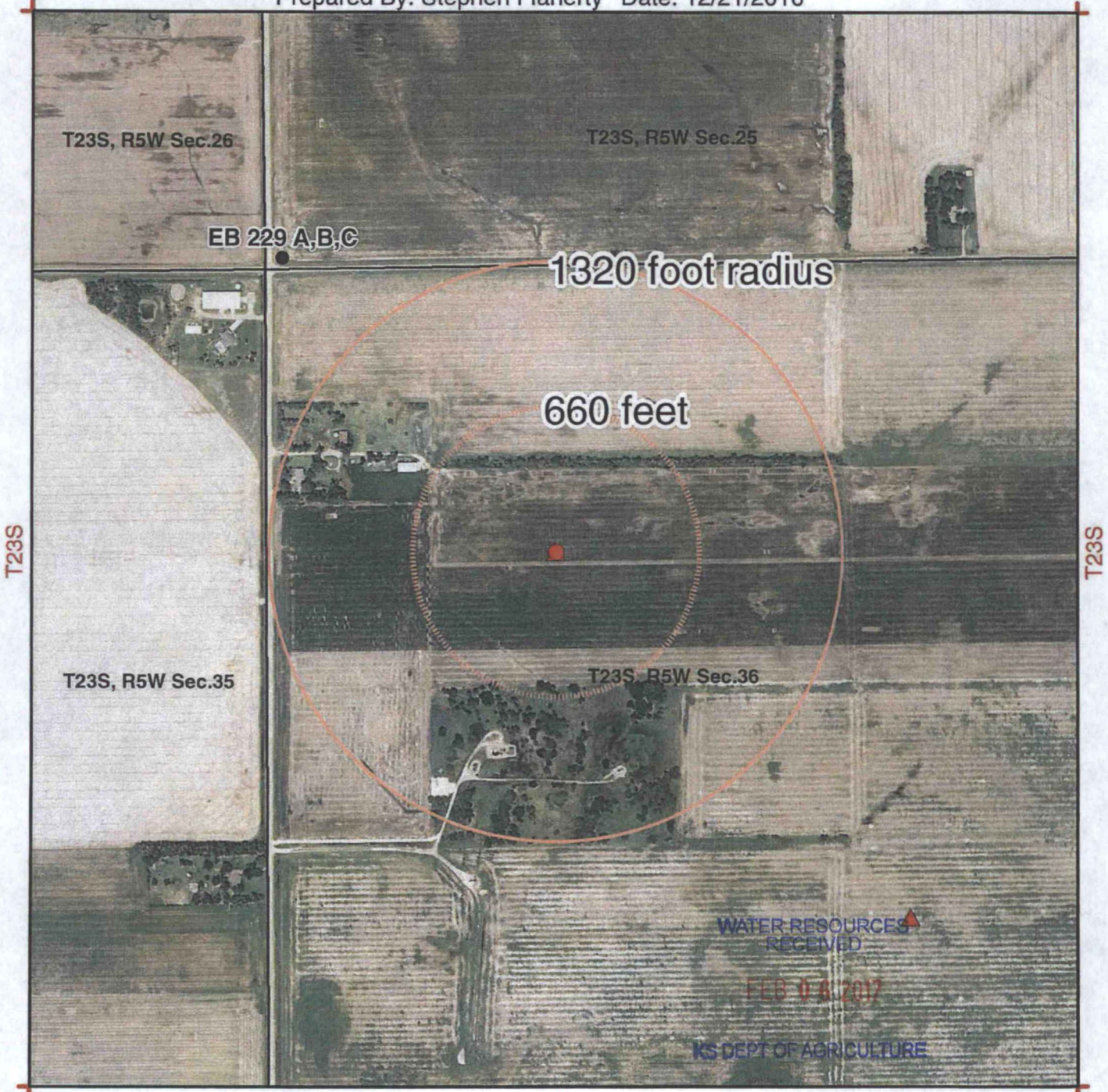
SCANNED KS DEPT OF AGRICULTURE

Equus Beds Groundwater Management District No. 2

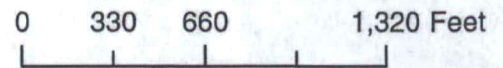
Spacing Evaluation No. 49590

NCNW (3960'N & 3960'W) 36-23S-05W, Reno County

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



R5W



Map Legend

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

- Proposed Point of Diversion
- ▲ Authorized Location

- Burrton IGUCA
- Hollow Nikkel 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

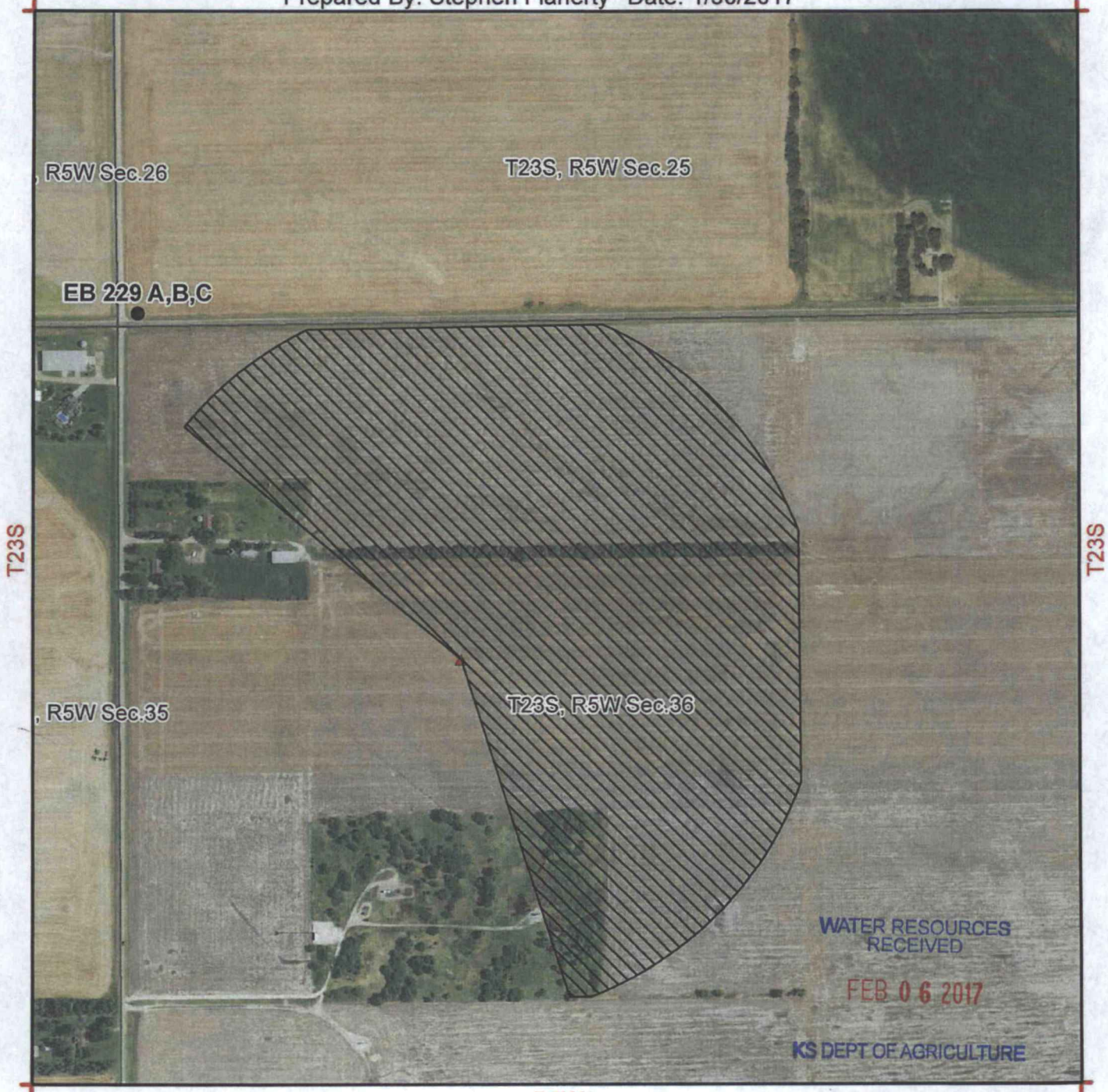
SCANNED

Equus Beds Groundwater Management District No. 2

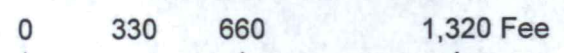
Estimated Place of Use for Application #49590

PD: NCNW (3960'N & 3960'W) 36-23S-05W, Reno County

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



R5W



Map Legend

- | | | | |
|---|-------------------------------|-----------------------------|---|
| ● Observation Well | ● Proposed Point of Diversion | Burrton IGUCA |  |
| ■ Bedrock | ▲ Authorized Location | Hollow Nikkel SWQUA |  |
|  Authorized Place of Use | | McPherson IGUCA |  |
|  Proposed Place of Use | | Enhanced Well Spacing Area |  |
| | | Application Suspension Area |  |

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

SCANNED

FRED SEILER, PRESIDENT
VIN KISSICK, VICE PRESIDENT
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THOMAS A. ADRIAN, ATTORNEY



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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. 49590 – Robert A. Bacon

Dear Mr. Turney:

The Equus Beds Groundwater Management District No. 2 reviewed the referenced new application on January 30, 2017 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 application complies with the Revised Aquifer Management program approved by the Chief Engineer and with the District's Rules and Regulations K.A.R. 5-22-1 through 5-22-17. Therefore, the application is recommended for approval by the Equus Beds Groundwater Management District No. 2.

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 date of this notification, pursuant to K.A.R. 5-22-12.

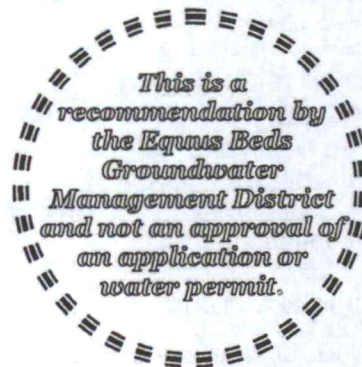
Please contact the District should you have any questions regarding the review or recommendation.

Sincerely,
EQUUS BEDS GROUNDWATER
MANAGEMENT DISTRICT NO. 2

Tim Boese
Manager
TDB/STF

Enclosure

pc: Robert A. Bacon, Applicant
Robert C. Bacon Rev. Trust., Landowner
Jeff Lanterman, Division of Water Resources, Stafford



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H:\MSOFFICE\LETTERS\APP\NewApp\Recommendation\Approval\49590_Bacon.docx



SCANNED

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

1) Application No. 49590 Date filed: March 23, 2016
 2) Applicant: Robert A Bacon County: Reno
 3) Proposed maximum quantity: 112 acre-feet/year Rate: 800 GPM
 4) Proposed Use: Irrigation
 5) P/D location: NCNW 36-23S-5W Geo Center: North 3960 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: 3655.9 af/yr
 (c) Total small user exemptions: 0.00 af/yr
 (d) Total non-consumptive use: 0.00 af/yr
 (e) Total consumptive use: 3655.90 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: >1320 ft
 (c) Non-Domestic well spacing interval: >660 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: EB229

13) Date reviewed: December 23, 2016

14) Reviewed by: S. Flaherty Title: Hydrogeologist

*Reviewed 1-30-17
TB*

15) District recommendation: Approve Deny Other, see comment

16) Comments and Calculations:

No Overlapping Place of Use
 Robert A Bacon appears to be another Landowner on the place of use but is not listed as a landowner on the application.
 No Overlapping Point of Diversion
 Surrounding Well Owner Notifications sent
 No Well Owner Inquiries
 No Rate/Quantity Limitations
 No Special Use Areas or IGUCAs

WATER RESOURCES
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JAN 30 2017

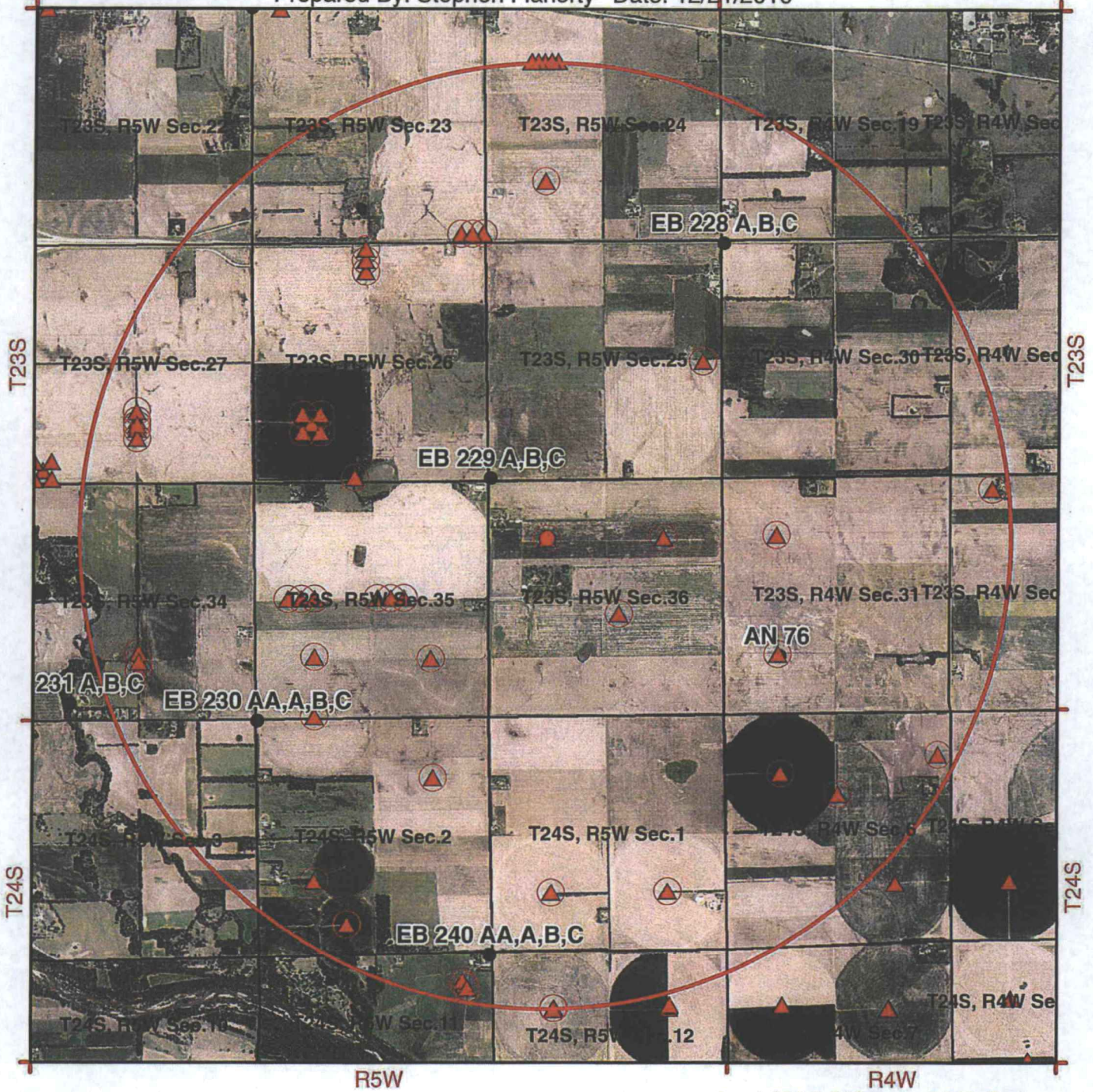
KS DEPT OF AGRICULTURE

Equus Beds Groundwater Management District No. 2

Safe Yield Evaluation No. 49590

NCNW (3960'N & 3960'W) 36-23S-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

0 1,320 2,640 5,280 Feet

Equus Beds Groundwater Management District No. 2
313 Spruce Street, Halstead, KS 67056
316-935-2224, equusbeds@gmd2.org

JAN 30 2017

KS DEPT OF AGRICULTURE

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SAFEYIELD EVALUATION #49590							
LOCATION: NCNW (3960'N & 3960'W) 36-235-05W, 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
A00460400	1763	235	04W	32	NENWNW	IRR	36
A02826100	738	245	05W	2	6603310	IRR	0
A02826100	737	245	05W	2	6603305	IRR	0
A02826100	735	245	05W	2	6603290	IRR	0
A02826100	736	245	05W	2	6603295	IRR	0
A02826100	4268	245	05W	2	6603300	IRR	93
A02888200	1279	245	05W	12	39653940	IRR	76
A02888200	1278	245	05W	12	39653920	IRR	76
A02965900	296	245	05W	2	16904020	IRR	49
A03223500	1869	245	05W	11	46040599	IRR	124
A03223500	4218	245	05W	11	46820655	IRR	0
A03223500	4219	245	05W	11	45250542	IRR	0
A03431800	1506	245	04W	6	SENESE	IRR	25
A03901600	140	245	04W	6	34152613	IRR	95
A03940800	1055	245	04W	6	34152613	IRR	68.5
A04360100	2646	245	05W	1	13361317	IRR	183
A04523900	3007	235	05W	26	46802700	IRR	0
A04523900	2979	235	05W	26	49302700	IRR	215.6
A04523900	3006	235	05W	26	51802700	IRR	0
A04525300	2981	245	05W	1	13363951	IRR	173
A04535800	3022	235	05W	35	26784282	IRR	146.3
A04535800	3020	235	05W	35	26784532	IRR	0
A04535800	3021	235	05W	35	26783932	IRR	0
A04535900	3025	235	05W	35	26782300	IRR	184.8
A04535900	3023	235	05W	35	26782500	IRR	0
A04535900	3024	235	05W	35	26781900	IRR	0
A04601900	3204	235	05W	25	26000400	IRR	190.4
A04605800	3227	245	04W	6	38263888	IRR	190
A04614000	3252	235	04W	31	13203960	IRR	182
A04622000	3284	235	05W	27	14002600	IRR	0
A04622000	3285	235	05W	27	16002600	IRR	0
A04622000	3286	235	05W	27	12002600	IRR	0
A04622000	3287	235	05W	27	10002600	IRR	0
A04622000	3267	235	05W	27	13002600	IRR	184.8
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A04657600	3399	235	05W	23	1980533	IRR	0
A04657600	3395	235	05W	23	1960285	IRR	147
A04668500	3439	245	05W	11	46040599	IRR	52.4
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A04668500	3441	245	05W	11	45250542	IRR	0
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A04758800	3690	235	05W	26	15203760	IRR	0
A04758800	3691	235	05W	26	11204160	IRR	0
A04758800	3692	235	05W	26	11203760	IRR	0
A04760900	3710	235	05W	35	503960	IRR	182
A04803400	3874	235	05W	34	13202635	IRR	112
A04803400	3875	235	05W	34	15202635	IRR	0
A04803400	3876	235	05W	34	11202635	IRR	0
A04803400	3877	235	05W	34	13202635	IRR	0
A04907000	4226	235	05W	34	13202635	IRR	103.6
A04907000	4851	235	05W	34	15202635	IRR	0
A04907000	4852	235	05W	34	11202635	IRR	0
A04907000	4855	235	05W	34	13202635	IRR	0
A04958700P	4904	235	05W	35	13101310	IRR	189
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A04959200P	4909	235	05W	36	39601320	IRR	0
A04959300P	4915	235	04W	31	39803960	IRR	0
A04960200P	4894	235	05W	26	1112981	IRR	0
A04962600P	4906	245	05W	2	39601320	IRR	0
Allowable Appropriations	4,021.00		Total Existing Appropriation			3,655.90	
Small User Quantity	0		Non Consumptive Appropriations			0	
Remaining SUQ	45		Consumptive Appropriations			3,655.90	
Note- Values are in acre-feet				Available Appropriations			365.10

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Equus Beds Groundwater Management District No. 2

Spacing Evaluation No. 49590

NCNW (3960'N & 3960'W) 36-23S-05W, Reno County

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

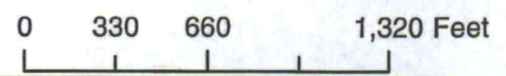


Map Legend

- 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



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

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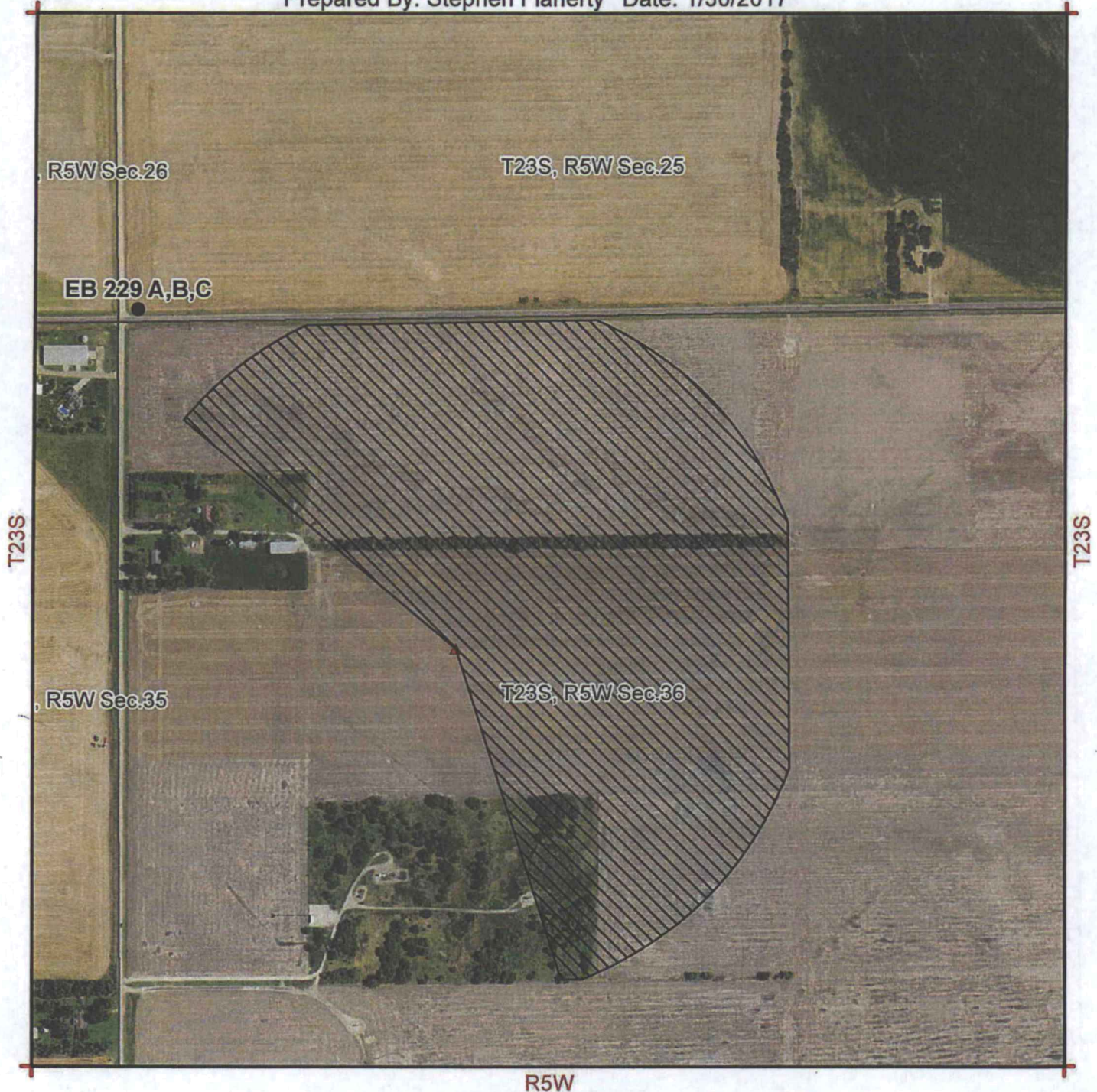
SCANNED

Equus Beds Groundwater Management District No. 2

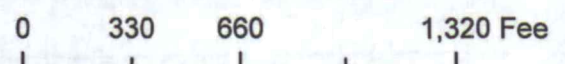
Estimated Place of Use for Application #49590

PD: NCNW (3960'N & 3960'W) 36-23S-05W, Reno County

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



R5W



Map Legend

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

JAN 30 2017

KS DEPT OF AGRICULTURE

FRED SEILER, PRESIDENT
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THOMAS A. ADRIAN, ATTORNEY



DIRECTORS:
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BOB SEILER
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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. 49590 – Robert A. Bacon

Dear Mr. Turney:

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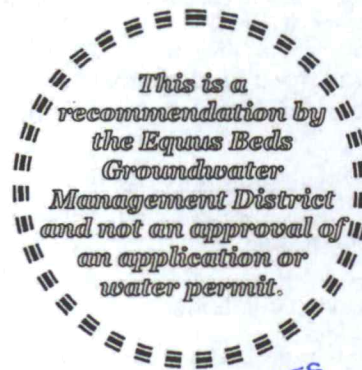
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MANAGEMENT DISTRICT NO. 2

Tim Boese
Manager
TDB/STF

Enclosure

pc: Robert A. Bacon, Applicant
Robert C. Bacon Rev. Trust., Landowner
Jeff Lanterman, Division of Water Resources, Stafford



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JAN 30 2017

KS DEPT OF AGRICULTURE

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SCANNED

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

1) Application No. 49590 Date filed: March 23, 2016
 2) Applicant: Robert A Bacon County: Reno
 3) Proposed maximum quantity: 112 acre-feet/year Rate: 800 GPM
 4) Proposed Use: Irrigation
 5) P/D location: NCNW 36-23S-5W Geo Center: North 3960 ft, West 3960 ft
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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: 3655.9 af/yr
 (c) Total small user exemptions: 0.00 af/yr
 (d) Total non-consumptive use: 0.00 af/yr
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 (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: >1320 ft
 (c) Non-Domestic well spacing interval: >660 ft

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 application paragraph 3 value (acre-feet) / proposed acres = Q
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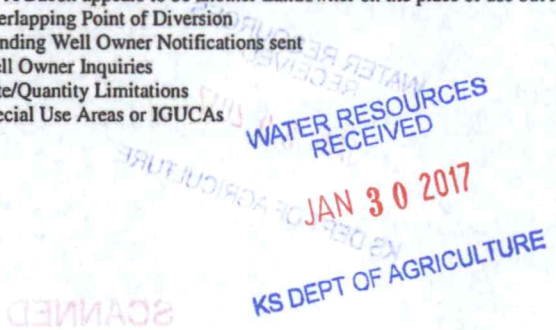
11) Reasonable rate for intended use? Yes No N/A

12) Depth to water: ~7 ft bls at observation well: EB229

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

16) Comments and Calculations:

No Overlapping Place of Use
 Robert A Bacon appears to be another Landowner on the place of use but is not listed as a landowner on the application.
 No Overlapping Point of Diversion
 Surrounding Well Owner Notifications sent
 No Well Owner Inquiries
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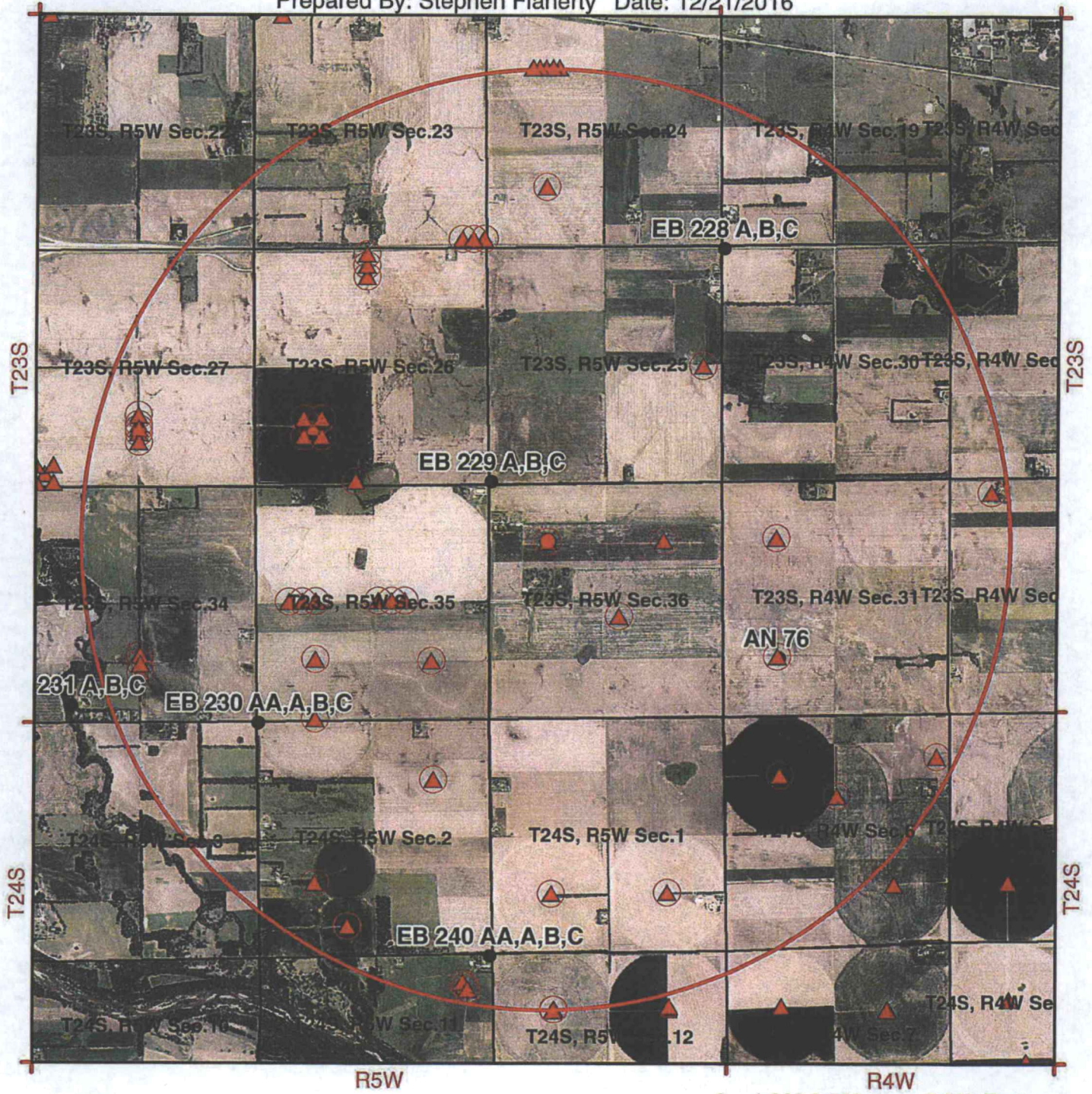


Equus Beds Groundwater Management District No. 2

Safe Yield Evaluation No. 49590

NCNW (3960'N & 3960'W) 36-23S-05W, Reno County

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



Map Legend

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

0 1,320 2,640 5,280 Feet

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

JAN 30 2017

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SAFEYIELD EVALUATION #49590
LOCATION: NCNW (3960'N & 3960'W) 36-235-05W, 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
A00460400	1763	235	04W	32	NENWNW	IRR	36
A02826100	738	245	05W	2	6603310	IRR	0
A02826100	737	245	05W	2	6603305	IRR	0
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A02826100	4268	245	05W	2	6603300	IRR	93
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A03223500	4219	245	05W	11	45250542	IRR	0
A03431800	1506	245	04W	6	SENESE	IRR	25
A03901600	140	245	04W	6	34152613	IRR	95
A03940800	1055	245	04W	6	34152613	IRR	68.5
A04360100	2646	245	05W	1	13361317	IRR	183
A04523900	3007	235	05W	26	46802700	IRR	0
A04523900	2979	235	05W	26	49302700	IRR	215.6
A04523900	3006	235	05W	26	51802700	IRR	0
A04525300	2981	245	05W	1	13363951	IRR	173
A04535800	3022	235	05W	35	26784282	IRR	146.3
A04535800	3020	235	05W	35	26784532	IRR	0
A04535800	3021	235	05W	35	26783932	IRR	0
A04535900	3025	235	05W	35	26782300	IRR	184.8
A04535900	3023	235	05W	35	26782500	IRR	0
A04535900	3024	235	05W	35	26781900	IRR	0
A04601900	3204	235	05W	25	26000400	IRR	190.4
A04605800	3227	245	04W	6	38263888	IRR	190
A04614000	3252	235	04W	31	13203960	IRR	182
A04622000	3284	235	05W	27	14002600	IRR	0
A04622000	3285	235	05W	27	16002600	IRR	0
A04622000	3286	235	05W	27	12002600	IRR	0
A04622000	3287	235	05W	27	10002600	IRR	0
A04622000	3267	235	05W	27	13002600	IRR	184.8
A04657600	3398	235	05W	23	1940037	IRR	0
A04657600	3399	235	05W	23	1980533	IRR	0
A04657600	3395	235	05W	23	1960285	IRR	147
A04668500	3439	245	05W	11	46040599	IRR	52.4
A04668500	3440	245	05W	11	46820655	IRR	0
A04668500	3441	245	05W	11	45250542	IRR	0
A04758800	3688	235	05W	26	13203960	IRR	182
A04758800	3689	235	05W	26	15204160	IRR	0
A04758800	3690	235	05W	26	15203760	IRR	0
A04758800	3691	235	05W	26	11204160	IRR	0
A04758800	3692	235	05W	26	11203760	IRR	0
A04760900	3710	235	05W	35	503960	IRR	182
A04803400	3874	235	05W	34	13202635	IRR	112
A04803400	3875	235	05W	34	15202635	IRR	0
A04803400	3876	235	05W	34	11202635	IRR	0
A04803400	3877	235	05W	34	13202635	IRR	0
A04907000	4226	235	05W	34	13202635	IRR	103.6
A04907000	4851	235	05W	34	15202635	IRR	0
A04907000	4852	235	05W	34	11202635	IRR	0
A04907000	4855	235	05W	34	13202635	IRR	0
A04958700P	4904	235	05W	35	13101310	IRR	189
A04958800P	4905	235	05W	35	13803940	IRR	94.5
A04958900P	4906	235	05W	36	22712345	IRR	189
A04959000P	4907	235	05W	36	39603960	IRR	112
A04959100P	4908	235	05W	24	13403960	IRR	0
A04959200P	4909	235	05W	36	39601320	IRR	0
A04959300P	4915	235	04W	31	39803960	IRR	0
A04960200P	4894	235	05W	26	1112981	IRR	0
A04962600P	4906	245	05W	2	39601320	IRR	0
Allowable Appropriations		4,021.00			Total Existing Appropriation		3,655.90
Small User Quantity		0			Non Consumptive Appropriations		0
Remaining SUQ		45			Consumptive Appropriations		3,655.90
Note- Values are in acre-feet					Available Appropriations		365.10

WATER RESOURCES RECEIVED
JAN 30 2017
KS DEPT OF AGRICULTURE

WATER RESOURCES RECEIVED

JAN 8 2017

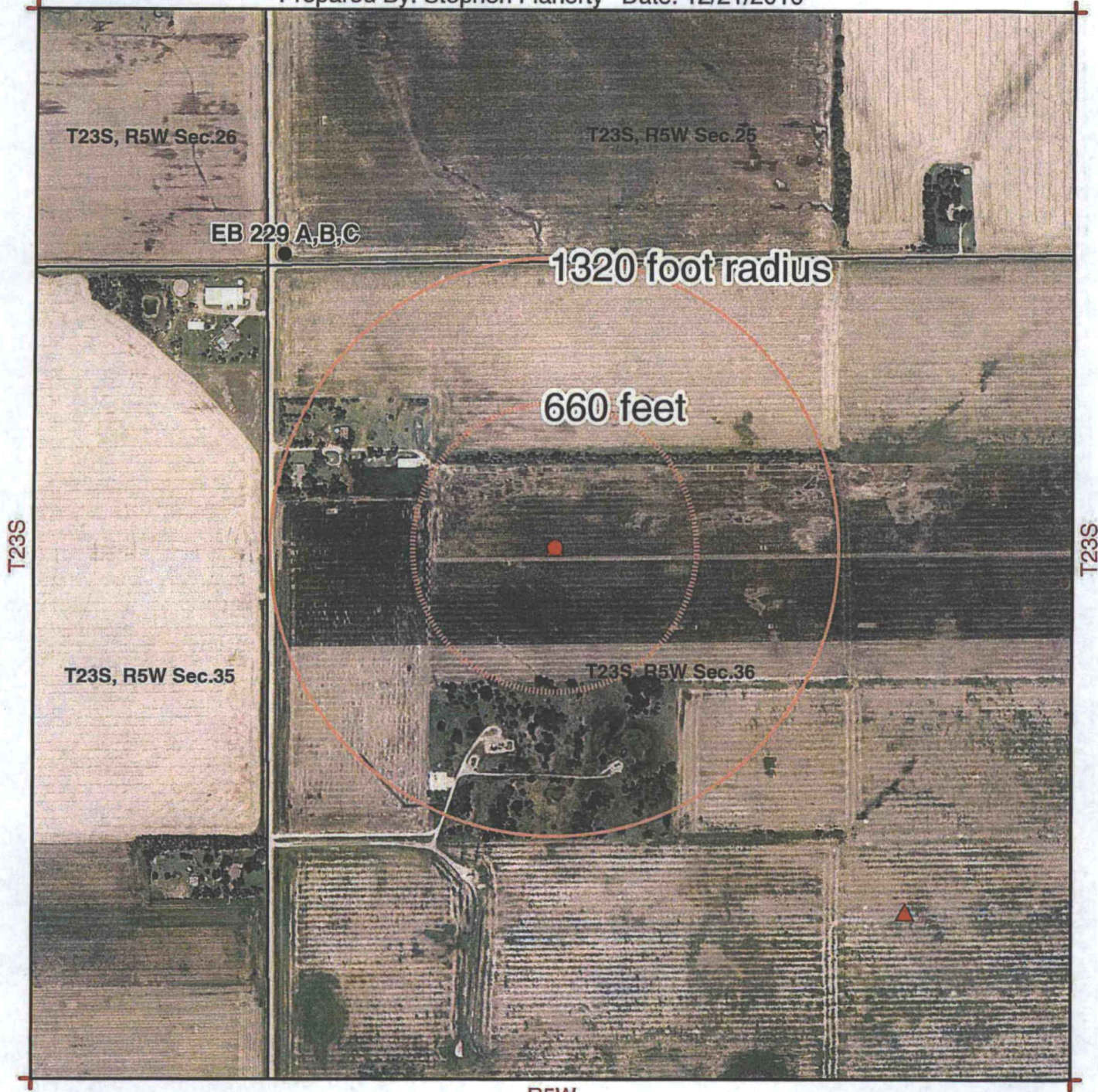
KS DEPT OF AGRICULTURE

Equus Beds Groundwater Management District No. 2

Spacing Evaluation No. 49590

NCNW (3960'N & 3960'W) 36-23S-05W, Reno County

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



R5W

0 330 660 1,320 Feet

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 RECEIVED



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

JAN 30 2017

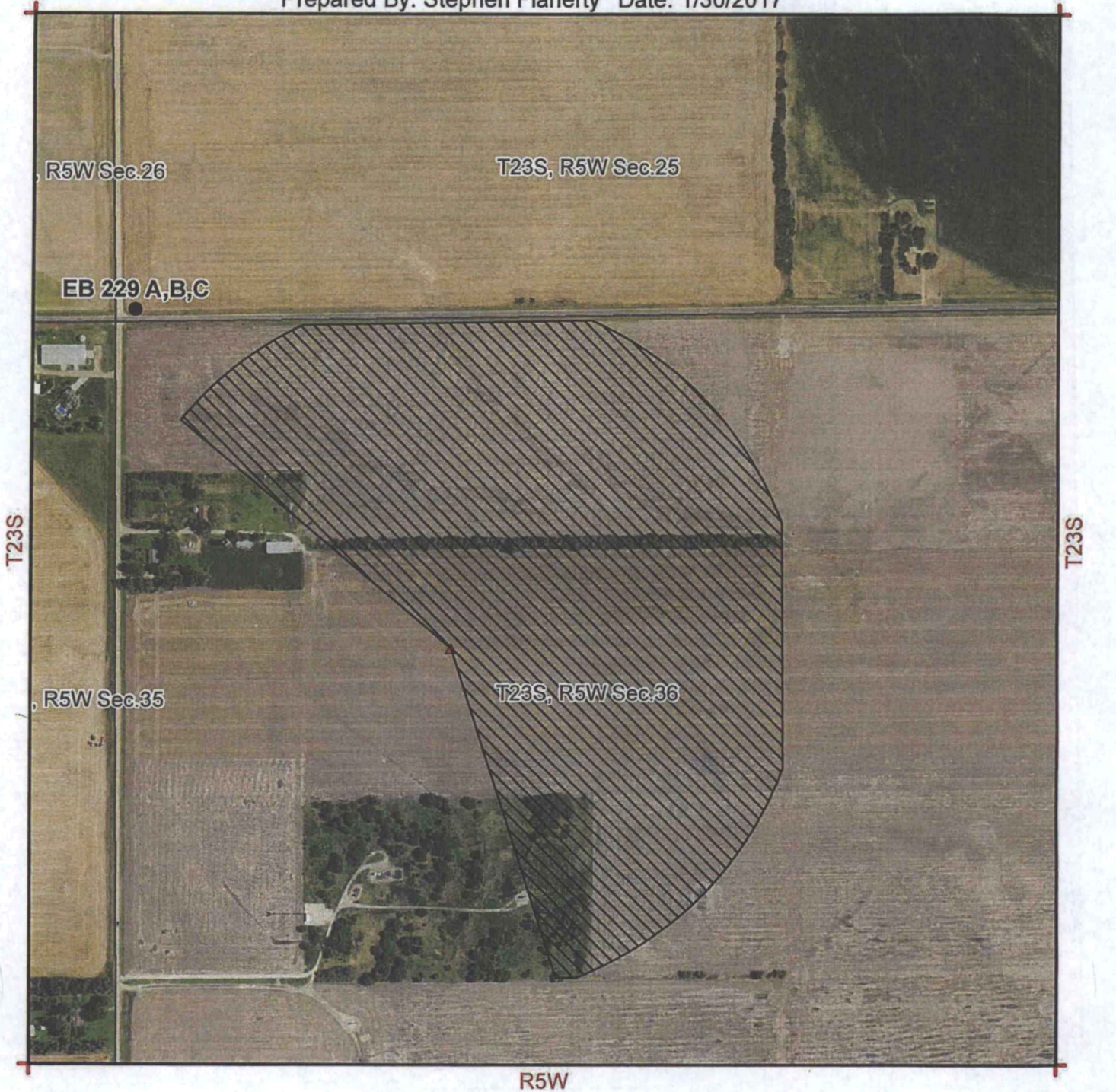
SCANNED

Equus Beds Groundwater Management District No. 2

Estimated Place of Use for Application #49590

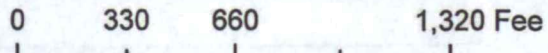
PD: NCNW (3960'N & 3960'W) 36-23S-05W, Reno County

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



Map Legend

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



Equus Beds Groundwater Management District No. 2
 313 Spruce Street, Galstead, KS 67056
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JAN 30 2017

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