

STATE OF KANSAS



DEPARTMENT OF AGRICULTURE  
DIVISION OF WATER RESOURCES  
GARDEN CITY FIELD OFFICE  
2508 JOHNS STREET  
GARDEN CITY, KS 67846-2804

PHONE: (620) 276-2901  
FAX: (620) 276-9315  
www.agriculture.ks.gov

GOVERNOR JEFF COLYER, M.D.  
JACKIE MCCLASKEY, SECRETARY OF AGRICULTURE

March 6, 2018

Southwest Kansas Groundwater  
Management District No 3  
409 Campus Drive, Suite 106  
Garden City KS 67846

Re: Water Right file number 12680

Dear Mr. Norquest;

Gayle Greeson has applied to relocate the ½ pivot authorized by the above water right number. There is one neighboring well within ½ mile of the requested.

We are delaying action for 15 days on the change application to allow you time to review and provide a recommendation if you feel one is warranted.

Thank you and as always feel free to call or write us at any time.

Sincerely;

Thomas P Makens

TPM:tpm



Submit completed application to:  
 Kansas Department of Agriculture  
 Division of Water Resources  
 Field Office for your area.  
 Call for address:

Topeka -- (785) 296-5733  
 Stafford -- (620) 234-5311  
 Stockton -- (785) 425-6787  
 Garden City -- (620) 276-2901  
<http://agriculture.ks.gov/dwr>

## DWR FIELD OFFICE APPLICATION FOR APPROVAL TO CHANGE THE PLACE OF USE AND/OR THE POINT OF DIVERSION



**STATE OF KANSAS**

Filing Fee Must Accompany the Application, K.S.A. 82a-708b(b), as amended.  
 Fee Schedule is on the third page of this application form.

Paragraph Nos. 1, 2, 3 & 5 must be completed. Complete all other applicable portions. If change in point of diversion is greater than 100 feet, or if place of use will be changed, include a topographic map or detailed plat showing the authorized and proposed point(s) of diversion and/or place of use.

**RECEIVED**  
 10:22 AM  
 FEB 19 2018

File No. 12680

1. Application is hereby made for approval of the Chief Engineer to change the (check one or both):  
 Place of Use       Point of Diversion      Garden City Field Office  
 Division of Water Resources  
 under the water right which is the subject of this application in accordance with the conditions described below.

The source of supply is:       Groundwater       Surface water

2. Name and address of Applicant: GAYLE GREESON  
20548 ROAD M KISMET KS 67859-6027  
 Phone Number: ( ) \_\_\_\_\_ Email address: \_\_\_\_\_  
 Name and address of Water Use Correspondent: GAYLE GREESON  
20548 ROAD M KISMET KS 67859-6027  
 Phone Number: ( ) \_\_\_\_\_ Email address: \_\_\_\_\_

3. The presently authorized place of use is:  
 Owner of Land ---- NAME: GAYLE GREESON  
 ADDRESS: 20548 ROAD M KISMET KS 67859-6027  
 (If there is more than one landowner, attach supplemental sheets as necessary.)

Sec.	Twp.	Range	NE¼				NW¼				SW¼				SE¼				TOTAL ACRES
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
8	32	32w					32	32	32	32	32	32	32	32			32	32	320

4. If this application is for a change in place of use, it is proposed that the place of use be changed to:  
 Owner of Land ---- NAME: GAYLE GREESON  
 ADDRESS: 20548 ROAD M KISMET KS 67859-6027  
 (If there is more than one landowner, attach supplemental sheets as necessary.)

Sec.	Twp.	Range	NE¼				NW¼				SW¼				SE¼				TOTAL ACRES
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8	32	32w					32	32	32	32	32	32	32	32	32	32			320

For Office Use Only: Code \_\_\_\_\_ Fee \$ 200 TR # \_\_\_\_\_ Receipt Date 2/19/18 Check # 3409

## Acknowledgments

The work was funded by the Kansas Water Plan through the Kansas Water Office and by the Kansas Geological Survey. We gratefully acknowledge the assistance of Jinwu Ma in the development of the GIS interface. The recommendations and editing of two anonymous reviewers led to substantial improvements in the paper. Reviews by Carl E. McElwee and Marios Sophocleous are also acknowledged.

## APPENDIX. REFERENCES

- Argus I Interware, Inc., New York, NY, ([www.argusint.com](http://www.argusint.com)).
- Butler, J. J., and Healey, J. M., 1999. Performance and analysis of June 1998 slug tests at the Deerfield and Garden City monitoring sites. Kansas Geological Survey Open-File Report No. 99-8.
- DeVantier, B. A., and Feldman, A. D., 1993. Review of GIS applications in hydrologic modeling. *Journal of Water Resources Planning and Management*, v. 119, no. 2, pp. 229-245.
- Doherty, J., Brebber, L., and Whyte, P., 1994. PEST Model-Independent Parameter Estimation. Watermark Computing.
- Dunlap, L. E., Lindgren, R. J., and Sauer, C. G., 1985. Geohydrology and model analysis of the stream-aquifer system along the Arkansas River in Kearny and Finney counties, southwestern Kansas: U. S. Geological Survey, Water-supply Paper 2253, 52 p.
- El-Kadi, A. I., Oloufa, A. A., Eltahan, A. A., and Malik, H. U., 1994. Use of a geographic information system in site-specific ground-water modeling. *Ground Water*, v. 32, no. 4, pp. 617-625.
- EMRL (Environmental Modeling Research Laboratory), Brigham Young University, Provo, Utah ([www.emrl.byu.edu/gms.htm](http://www.emrl.byu.edu/gms.htm)).
- ESRI, 1994. *Introducing ArcView*. Environmental Systems Research Institute, Inc. Redland, California.
- ESRI, 1996. *Using ArcView Spatial Analyst*. Environmental Systems Research Institute, Inc. Redland, California.
- ESRI, 1997. *Using ArcView 3D Analyst*. Environmental Systems Research Institute, Inc. Redland, California.
- Goodchild, M. F., Parks, B. O., and Steyaert, L. T., 1993. *Environmental modeling with GIS*. Oxford University Press. New York.
- Harlin, J. M. and Lanfear, K. J., 1993. *Proceedings of the Symposium on Geographic Information Systems and water resources*. American Water Resources Association.
- McDonald, J. M., and Harbaugh, A. W., 1988. A modular three-dimensional finite-difference ground-water flow model. *Techniques of Water Resources Investigations of the United States Geological Survey*, Book 6, Chapter A1.
- McKinney, D. C., and Tsai, H.-L. (1993). Solving ground-water problems using multigrid methods in a grid-cell based GIS. 2nd NCGIA International Symposium/Workshop on GIS and Environmental Modeling, Breckenridge, CO.
- Meyer, W. R., and E. D. Gutentag, and D. H. Lobmeyer, 1970. *Geohydrology of Finney County, southwestern Kansas*. U.S. Geological Survey Water-Supply Paper 1891.

5. **Presently authorized point of diversion:**  
 One in the \_\_\_\_\_ Quarter of the \_\_\_\_\_ Quarter of the \_\_\_\_\_ Quarter  
 of Section \_\_\_\_\_, Township \_\_\_\_\_ South, Range \_\_\_\_\_ (E/W),  
 in \_\_\_\_\_ County, Kansas, \_\_\_\_\_ feet North \_\_\_\_\_ feet West of Southeast corner of section.  
 Authorized Rate \_\_\_\_\_ Authorized Quantity \_\_\_\_\_ Depth of well \_\_\_\_\_ (feet)  
 (DWR use only: Computer ID No. \_\_\_\_\_ GPS \_\_\_\_\_ feet North \_\_\_\_\_ feet West)  
 This point will not be changed  This point will be changed as follows:  
**Proposed point of diversion: (Complete only if change is requested)**  
 One in the \_\_\_\_\_ Quarter of the \_\_\_\_\_ Quarter of the \_\_\_\_\_ Quarter  
 of Section \_\_\_\_\_, Township \_\_\_\_\_ South, Range \_\_\_\_\_ (E/W),  
 in \_\_\_\_\_ County, Kansas, \_\_\_\_\_ feet North \_\_\_\_\_ feet West of Southeast corner of section.  
 Proposed Rate \_\_\_\_\_ Proposed Quantity \_\_\_\_\_ Proposed well depth (feet) \_\_\_\_\_  
 This point is:  Additional Well  Geo Center List other water rights that will use this point \_\_\_\_\_

6. **Presently authorized point of diversion:**  
 One in the \_\_\_\_\_ Quarter of the \_\_\_\_\_ Quarter of the \_\_\_\_\_ Quarter  
 of Section \_\_\_\_\_, Township \_\_\_\_\_ South, Range \_\_\_\_\_ (E/W),  
 in \_\_\_\_\_ County, Kansas, \_\_\_\_\_ feet North \_\_\_\_\_ feet West of Southeast corner of section.  
 Authorized Rate \_\_\_\_\_ Authorized Quantity \_\_\_\_\_ Depth of well \_\_\_\_\_ (feet)  
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 Proposed Rate \_\_\_\_\_ Proposed Quantity \_\_\_\_\_ Proposed well depth (feet) \_\_\_\_\_  
 This point is:  Additional Well  Geo Center List other water rights that will use this point \_\_\_\_\_

7. Why do you need a new point of diversion? \_\_\_\_\_  
 no change to well location \_\_\_\_\_

8. If a well, is the test hole log attached?  Yes  No

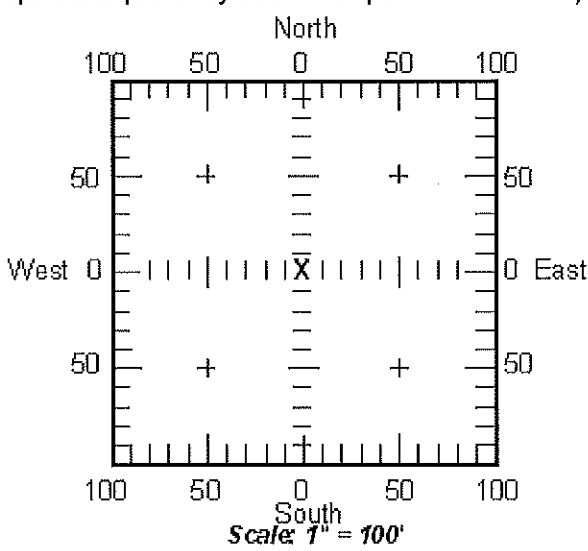
9. When do you propose to complete the new point of diversion?  
 \_\_\_\_\_

10. If the point of diversion is a well:  
 (a) What are you going to do with the old well?  
 \_\_\_\_\_  
 (b) When will this be done? \_\_\_\_\_

11. Groundwater Management District recommendation attached?  Yes  No

12. Assisted by tpm \_\_\_\_\_

13a. If the proposed point of diversion will be relocated within 100 feet of the existing point of diversion, indicate its location on the diagram below in relation to the existing point of diversion. (PLEASE NOTE: The "X" in center of diagram below represents presently authorized point of diversion.)



13b. If the proposed point of diversion will be relocated more than 100 feet but within 1320 feet from the existing point of diversion, attach a topographic map or aerial photograph. For groundwater sources, show all wells (including domestic) within one-half mile of the proposed point of diversion and the names and mailing addresses of the owners. For surface water sources, show the names and addresses of the landowner(s) one-half mile downstream and one-half mile upstream from your property lines.

Submit completed application to:  
 Kansas Department of Agriculture  
 Division of Water Resources  
 Field Office for your area.

Call for address:

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 Stockton -- (785) 425-6787  
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File No. 12680

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Place of Use                       Point of Diversion

Garden City Field Office  
 Division of Water Resources

under the water right which is the subject of this application in accordance with the conditions described below.

The source of supply is:                       Groundwater                       Surface water

2. Name and address of Applicant: GAYLE GREESON

20548 ROAD M KISMET KS 67859-6027

Phone Number: (     )                      Email address: \_\_\_\_\_

Name and address of Water Use Correspondent: GAYLE GREESON

20548 ROAD M KISMET KS 67859-6027

Phone Number: (     )                      Email address: \_\_\_\_\_

3. The presently authorized place of use is:

Owner of Land ---- NAME: GAYLE GREESON

ADDRESS: 20548 ROAD M KISMET KS 67859-6027

(If there is more than one landowner, attach supplemental sheets as necessary.)

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			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼			
8	32	32w					32	32	32	32	32	32	32	32					32	32	320

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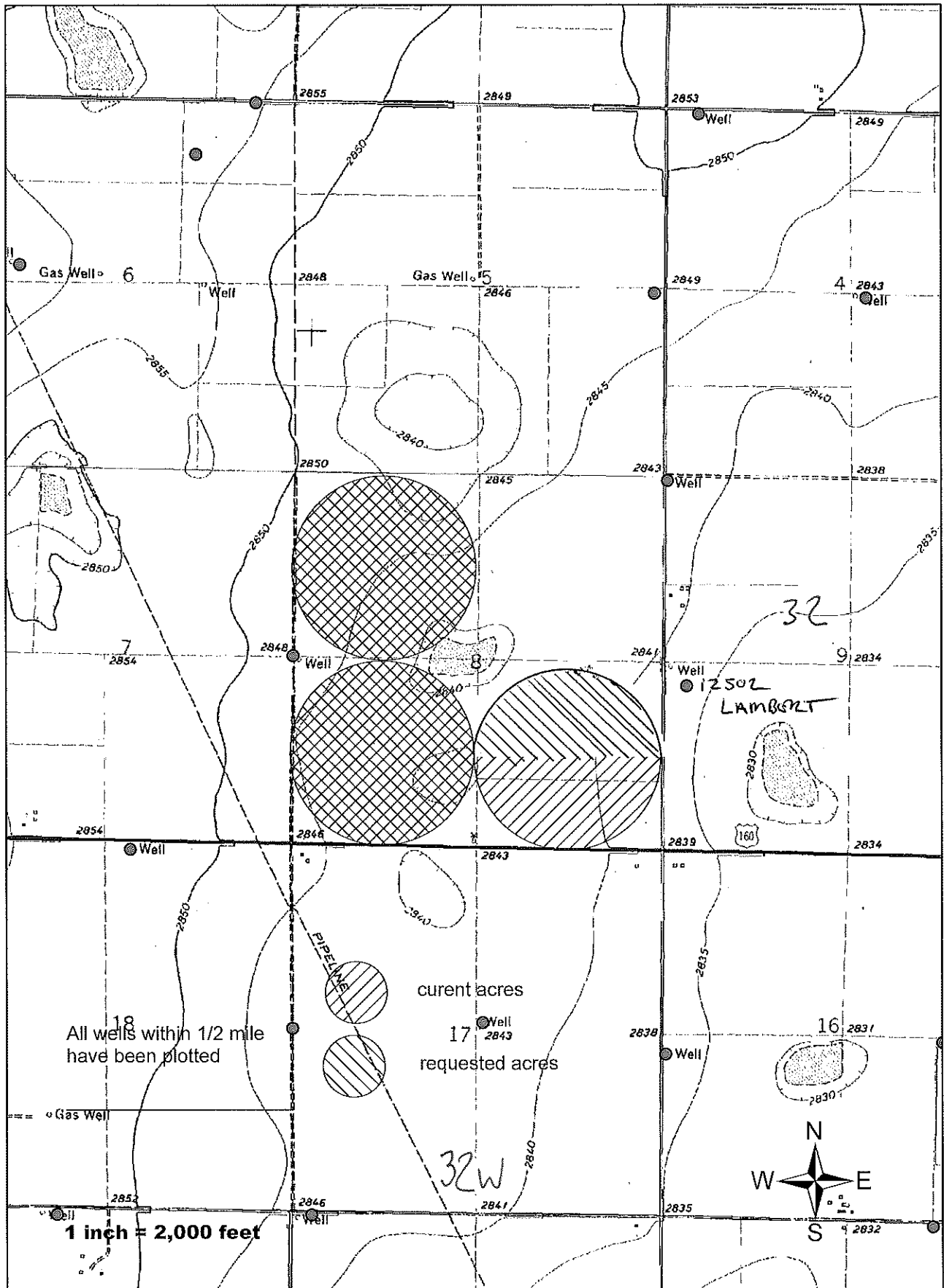
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8	32	32w					32	32	32	32	32	32	32	32	32	32			320

<b>For Office Use Only: Code</b> _____ <b>Fee \$</b> <u>200</u> <b>TR #</b> _____ <b>Receipt Date</b> <u>2/19/18</u> <b>Check #</b> <u>3409</u>
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14. If the proposed groundwater point of diversion is 300 or fewer feet from existing point of diversion, complete the following:
- (a) Does the undersigned represent all owners of the currently authorized place(s) of use identified in this application?  
 Yes     No    (If no, all owners must sign this application.)
  - (b) Will the ownership interest of any owner of the currently authorized place(s) of use identified in this application be adversely affected if this application is approved as requested?  
 Yes     No    (If yes, all owners must sign this application.)
  - (c) If this application is not approved expeditiously, will there be substantial damage to property, public health or safety?  
 Yes     No    (If no, all owners must sign this application.)

If the application proposes a surface water change in point of diversion, a groundwater change in point of diversion greater than 300 feet, or a change in place of use, the application must be signed by all owners of the currently authorized place of use, or their duly authorized agent (attach notarized statement authorizing representation).

I hereby verify, being first duly sworn upon my oath or affirmation and under penalty of perjury, that I am of lawful age and the owner, the spouse of the owner, or a duly authorized agent of the owner(s) to make this application on their behalf, in regard to the water right(s) to which this application pertains. I further verify that the statements contained in this application are true, correct and complete.

Dated at Harden City, Kansas, this 19<sup>th</sup> day of February, 2018.

<p><u>Gayle Greeson</u> (Owner)</p> <p>_____ (Spouse)</p> <p>GAYLE GREESON (Please Print)</p> <p>_____ (Please Print)</p> <p>_____ (Owner)</p> <p>_____ (Spouse)</p> <p>_____ (Please Print)</p> <p>_____ (Please Print)</p> <p>_____ (Owner)</p> <p>_____ (Spouse)</p> <p>_____ (Please Print)</p> <p>_____ (Please Print)</p>	<p>_____ (Spouse)</p> <p>_____ (Please Print)</p> <p>_____ (Spouse)</p> <p>_____ (Please Print)</p> <p>_____ (Spouse)</p> <p>_____ (Please Print)</p>
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

State of Kansas }  
 County of Finney } SS

I hereby certify that the foregoing application was signed in my presence and sworn to before me this 19<sup>th</sup> day of February, 2018.



Sue Keeny  
Notary Public

My Commission Expires \_\_\_\_\_

**ONLY COMPLETE APPLICATIONS WILL BE PROCESSED.** To be complete, all of the applicable portions of the application form must be completed with accurate information; maps, if necessary, must be included; signatures of all the appropriate owners' must be affixed to the application and notarized; and the appropriate fee must be paid.

**FEE SCHEDULE**

Each application to change the place of use or the point of diversion under this section shall be accompanied by the application fee set forth in the schedule below: Make checks payable to: **Kansas Department of Agriculture**

- (1) Application to change a point of diversion 300 feet or less ..... \$100
- (2) Application to change a point of diversion more than 300 feet ..... \$200
- (3) Application to change the place of use ..... \$200

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



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

Secretary Jackie McClaskey

Governor Jeff Colyer, M.D.

February 19, 2018

DUANE & THELMA LAMBERT  
19115 ROAD P  
KISMET KS 67859

RE: Water Right file no. 12680

This is to advise you that Gayle Greeson has filed an application for approval of the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, to change the place of use under the above referenced application.

You are notified on this proposed change in place of use so that you may furnish this office with any comments or other information you may want to submit.

You can find the complete application posted by water right file number as referenced above at [www.agriculture.ks.gov/divisions-programs/dwr/water-appropriation/notices](http://www.agriculture.ks.gov/divisions-programs/dwr/water-appropriation/notices) Should you have any questions, please feel free to call this office. If you would prefer, an appointment could be arranged for additional assistance. Please refer to the file number when you contact us if you wish to discuss a specific file.

Sincerely,

A handwritten signature in black ink, appearing to read "Thomas P. Makens".

Thomas P. Makens  
Environmental Scientist III

pc: GMD#3

