

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

|   |  |   |  |
|---|--|---|--|
| 1. File Number:<br><p style="text-align: center; font-size: 1.2em;"><b>49,131</b></p> | 2. Status Change Date:<br><p style="text-align: center; font-size: 1.2em;"><i>6/5/2017</i></p> | 3. Field Office:<br><p style="text-align: center; font-size: 1.2em;"><b>2</b></p> | 4. GMD:<br><p style="text-align: center; font-size: 1.2em;"><b>2</b></p> |
|---|--|---|--|

5. Status:     Approved                       Denied by DWR/GMD                       Dismiss by Request/Failure to Return

6. Enclosures:     Check Valve             N of C Form             Water Tube             Driller Copy             Meter

|   |   |
|---|---|
| <p>7a. Applicant(s)<br/>New to system <input type="checkbox"/></p> <p style="text-align: right;">Person ID <b>59898</b><br/>Add Seq# _____</p> <p><b>MCGINN LAND CO LLC</b><br/><b>1123 W 4TH ST</b><br/><b>SEDGWICK KS 67135</b></p> | <p>7c. Landowner(s)<br/>New to system <input type="checkbox"/></p> <p style="text-align: right;">Person ID _____<br/>Add Seq# _____</p> |
| <p>7b. Landowner(s)<br/>New to system <input type="checkbox"/></p> <p style="text-align: right;">Person ID _____<br/>Add Seq# _____</p> <p><b>7a.</b></p>   | <p>7d. Misc.<br/>New to system <input type="checkbox"/></p> <p style="text-align: right;">Person ID _____<br/>Add Seq# _____</p>        |

|  |   |
|--|---|
| <p>8. WUR Correspondent<br/>New to system <input type="checkbox"/></p> <p style="text-align: right;">Person ID _____<br/>Add Seq# _____</p> <p>Overlap File (s) WUC<br/>Agree <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p style="text-align: right;">Notarized WUC Form <input type="checkbox"/></p> <p><b>7a.</b></p> | <p>9. Use of Water:    Changing?    <input type="checkbox"/> Yes    <input checked="" type="checkbox"/> No</p> <p style="padding-left: 40px;"><input checked="" type="checkbox"/> Groundwater            <input type="checkbox"/> Surface Water</p> <p><input checked="" type="checkbox"/> IRR            <input type="checkbox"/> REC            <input type="checkbox"/> DEW            <input type="checkbox"/> MUN</p> <p><input type="checkbox"/> STK            <input type="checkbox"/> SED            <input type="checkbox"/> DOM            <input type="checkbox"/> CON</p> <p><input type="checkbox"/> HYD DRG    <input type="checkbox"/> WTR PWR    <input type="checkbox"/> ART RECHRG</p> <p><input type="checkbox"/> IND SIC: _____    <input type="checkbox"/> OTHER: _____</p> |
|--|---|

10. Completion Date: 12/31/2018            11. Perfection Date: 12/31/2022            12. Exp Date: \_\_\_\_\_

13. Conservation Plan Required?  Yes  No Date Required: \_\_\_\_\_ Date Approved: \_\_\_\_\_ Date to Comply: \_\_\_\_\_

14. Water Level Measuring Device?  Yes  No Date to Comply: 12/31/2018 Date WLMD Installed: \_\_\_\_\_

Date Prepared: **5/24/2017** By: **AM**  
Date Entered: *6/6/2017* By: *UM*

|   |                                |                                       |  |              |         |      |  |  |  |                  |  |  |  |              |  |  |  |            |           |           |               |
|---|--------------------------------|---------------------------------------|--|--------------|---------|------|--|--|--|------------------|--|--|--|--------------|--|--|--|------------|-----------|-----------|---------------|
| File No. <b>49,131</b>  | 15. Formation Code: <b>190</b> | Drainage Basin: LITTLE ARKANSAS RIVER | County: HV   | Special Use: | Stream: |      |  |  |  |                  |  |  |  |              |  |  |  |            |           |           |               |
| 16. Points of Diversion   |                                |                                       | 17. Rate and Quantity  |              |         |      |  |  |  |                  |  |  |  |              |  |  |  |            |           |           |               |
| T<br>MOD<br>DEL<br>ENT  |                                |                                       | Authorized<br>Additional<br>Rate gpm      Quantity af      Rate gpm      Quantity af      Overlap PD Files |              |         |      |  |  |  |                  |  |  |  |              |  |  |  |            |           |           |               |
| PDIV      Qualifier      S      T      R      ID      'N      'W  |                                |                                       |  |              |         |      |  |  |  |                  |  |  |  |              |  |  |  |            |           |           |               |
| <b>CHK 78909 NE SE SW 9 24S 1W 7 1220 2650</b>  |                                |                                       | <b>800 201.5 800 201.5 NONE</b>  |              |         |      |  |  |  |                  |  |  |  |              |  |  |  |            |           |           |               |
|   |                                |                                       |  |              |         |      |  |  |  |                  |  |  |  |              |  |  |  |            |           |           |               |
|   |                                |                                       |  |              |         |      |  |  |  |                  |  |  |  |              |  |  |  |            |           |           |               |
|   |                                |                                       |  |              |         |      |  |  |  |                  |  |  |  |              |  |  |  |            |           |           |               |
|   |                                |                                       |  |              |         |      |  |  |  |                  |  |  |  |              |  |  |  |            |           |           |               |
|   |                                |                                       |  |              |         |      |  |  |  |                  |  |  |  |              |  |  |  |            |           |           |               |
| 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? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No      To be installed by <b>12/31/2018</b> Date Acceptable Meter Installed _____ |                                |                                       |  |              |         |      |  |  |  |                  |  |  |  |              |  |  |  |            |           |           |               |
| 21. Place of Use  |                                | NE¼                                   |  |              |         | NW¼  |  |  |  | SW¼              |  |  |  | SE¼          |  |  |  | Total      | Owner     | Chg?      | Overlap Files |
| T   |                                | NE ¼                                  |  |              |         | NW ¼ |  |  |  | SW ¼             |  |  |  | SE ¼         |  |  |  |            |           |           |               |
| MOD   |                                | NE ¼                                  |  |              |         | NW ¼ |  |  |  | SW ¼             |  |  |  | SE ¼         |  |  |  |            |           |           |               |
| DEL   |                                | NE ¼                                  |  |              |         | NW ¼ |  |  |  | SW ¼             |  |  |  | SE ¼         |  |  |  |            |           |           |               |
| ENT   |                                | NE ¼                                  |  |              |         | NW ¼ |  |  |  | SW ¼             |  |  |  | SE ¼         |  |  |  |            |           |           |               |
| PUSE  |                                | NE ¼                                  |  |              |         | NW ¼ |  |  |  | SW ¼             |  |  |  | SE ¼         |  |  |  |            |           |           |               |
| S   |                                | NE ¼                                  |  |              |         | NW ¼ |  |  |  | SW ¼             |  |  |  | SE ¼         |  |  |  |            |           |           |               |
| T   |                                | NE ¼                                  |  |              |         | NW ¼ |  |  |  | SW ¼             |  |  |  | SE ¼         |  |  |  |            |           |           |               |
| R   |                                | NE ¼                                  |  |              |         | NW ¼ |  |  |  | SW ¼             |  |  |  | SE ¼         |  |  |  |            |           |           |               |
| ID  |                                | NE ¼                                  |  |              |         | NW ¼ |  |  |  | SW ¼             |  |  |  | SE ¼         |  |  |  |            |           |           |               |
| <b>CHK 62244 9 24S 1W 2</b>   |                                |                                       |  |              |         |      |  |  |  | <b>39 1 1 36</b> |  |  |  | <b>39 39</b> |  |  |  | <b>155</b> | <b>7a</b> | <b>NO</b> | <b>49,776</b> |
|   |                                |                                       |  |              |         |      |  |  |  |                  |  |  |  |              |  |  |  |            |           |           |               |
|   |                                |                                       |  |              |         |      |  |  |  |                  |  |  |  |              |  |  |  |            |           |           |               |
|   |                                |                                       |  |              |         |      |  |  |  |                  |  |  |  |              |  |  |  |            |           |           |               |
|   |                                |                                       |  |              |         |      |  |  |  |                  |  |  |  |              |  |  |  |            |           |           |               |
|   |                                |                                       |  |              |         |      |  |  |  |                  |  |  |  |              |  |  |  |            |           |           |               |
| <b>Comments: OBSERVATION WELLS REQUIRED; OVERLAP FILE NO. 47,899 DISMISSED</b>  |                                |                                       |  |              |         |      |  |  |  |                  |  |  |  |              |  |  |  |            |           |           |               |

**KANSAS DEPARTMENT OF AGRICULTURE**  
**Division of Water Resources**

**M E M O R A N D U M**

**TO:** Files

**DATE:** May 24, 2017

**FROM:** Austin McColloch

**RE:** Application, File No. 49,131

Michael P. McGinn has submitted the referenced file proposing 201.5 acre-feet of groundwater at a rate of 800 gallons per minute from one (1) well for irrigation use. The proposed point of diversion is located in the Northeast Quarter of the Southeast Quarter of the Southwest Quarter (NE¼ SE¼ SW¼) of Section 9, Township 24 South, Range 1 West, Harvey County. The place of use is 155 acres located in the South Half of Section 9, Township 24 South, Range 1 West, Harvey County and is a complete overlap with Appropriation of Water, File No. 47,899. The proposed point of diversion is located within the boundaries of the Equus Beds Groundwater Management District No. 2 and within the Little Arkansas River basin.

The proposed quantity of 201.5 acre-feet is reasonable based on K.A.R. 5-3-24 for irrigation use within Harvey County. The complete overlap with the point of diversion and place of use will be removed with the dismissal of Appropriation of Water, File No. 47,899.

The applicant provided the listing of nine nearby domestic well owners located within a two mile radius of the proposed point of diversion. Five of the wells are proposed or existing non-domestic wells all located outside the required 1,320 feet spacing radius based on K.A.R. 5-2-22. Four wells within this radius and located outside the required 660 feet spacing radius based on the same regulation. The notification letters were sent by DWR Katie Goff and dated January 15, 2015. Two of the four domestic well owners submitted a written response to the nearby comment letters. The content of the letters were mainly concerned with the declining water levels in the area. A DWR response letter was sent addressing their concerns and copied to the GMD No. 2 and Stafford Filed Office.

A request for review with a copy of the application was sent to the Groundwater Management District No. 2 on March 12, 2015. Multiple extension requests were requested from the District and approved in order to review the pending senior files during the remainder of 2015 and early 2016. The District recommend approval of the application in a correspondence dated March 4, 2016 with the following conditions: In order to satisfy the safe yield requirements, the District recommended that the applicant voluntarily dismiss existing Appropriation of Water File Nos. 47,899 in order to approve the referenced file. That the applicant installs two monitoring wells as directed in item 2 of the recommendation and that the groundwater monitoring schedule is maintained with emphasis on water table fluctuations and the ability to obtain water quality samples.

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.

Jeff Lanterman, Water Commissioner, Stafford Field Office, recommended approval of the referenced application on December 21, 2016 with the conditions recommended by the Groundwater Management District No. 2 on March 4, 2016. Based on the above discussion, well spacing and safe yield criteria are met, and approval of the application will not impair senior water rights nor prejudicially or unreasonably affect the public interest, it is recommended that the referenced application be approved.



Austin McColloch  
Environmental Scientist  
Water Appropriation Program

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

MCGINN LAND CO LLC  
1123 W 4TH ST  
SEDGWICK KS 67135

June 7, 2017

**FILE COPY**

Re: Appropriation of Water  
File No. 49,131

Dear Sir or Madam:

There is enclosed a permit 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 location specified in the permit, and to use it for the purpose and at the location described in the permit.

Your attention is directed to the enclosures and to the terms, conditions, and limitations specified in these approval documents as well as the document titled "Groundwater Monitoring Plan for Water Appropriation, File No. 49,131" submitted by GMD No. 2. A water meter is required on the proposed diversion works and you must install it prior to water being put to beneficial use in order for you to maintain accurate records of water use. The meter must be used to provide the information required on the annual water use report.

The enclosed form must be used to notify the Chief Engineer that the proposed diversion works have been completed. Failure to notify the Chief Engineer of the Division of Water Resources of the completion of the diversion works and pay the field inspection fee within the time allowed, or within any authorized extension of time thereof, will result in the dismissal of this permit. 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 enclosed permit. 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 right.

If you have any questions, please contact our office. If you wish to discuss this specific file, please have the file number ready so that we may help you more efficiently.

Sincerely,

Kristen A. Baum  
New Application Unit Supervisor  
Division of Water Resources

KAB:am

Enclosures

pc: Stafford Field Office  
Groundwater Management District No. 2



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. **49,131** of the applicant

**MCGINN LAND CO LLC  
1123 W 4TH ST  
SEDGWICK KS 67135**

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 **August 8, 2014**.
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 |       |
| 9    | 24S  | 1W    |     |     |     |     |     |     |     | 39  | 1   | 1   | 36  |     |     | 39  | 39  |     | 155   |

3. That the authorized source from which the appropriation shall be made is groundwater, to be withdrawn by means of one (1) well located in the Northeast Quarter of the Southeast Quarter of the Southwest Quarter (NE¼ SE¼ SW¼), of Section 9, more particularly described as being near a point 1,220 feet North and 2,650 feet West of the Southeast corner of said section, in Township 24 South, Range 1 West, Harvey County, Kansas, located substantially as shown on the topographic 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 **201.5 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.

18. That the water right owner shall maintain the two groundwater monitoring wells at the locations specified and approved by the Chief Engineer. Such observation wells shall be maintained and equipped to allow monitoring of water levels. Maintenance of the groundwater monitoring wells and the associated equipment shall be at the expense of the water right owner.

That the groundwater monitoring wells shall be located at the following points:

One (1) observation well located in the Southwest Quarter of the Southeast Quarter of the Southwest Quarter (SW $\frac{1}{4}$  SE $\frac{1}{4}$  SW $\frac{1}{4}$ ) of Section 9, more particularly described as being near a point 50 feet North and 3,600 feet West of the Southeast corner of said section, in Township 24 South, Range 1 West, Harvey County, Kansas.

One (1) observation well located Near the Center of the East Side of the West Half of the Southeast Quarter (NC ES W $\frac{1}{2}$  SE $\frac{1}{4}$ ) of Section 9, more particularly described as being near a point 1,320 feet North and 1,400 feet West of the Southeast corner of said section, in Township 24 South, Range 1 West, Harvey County, Kansas.

19. That the requirements imposed by Equus Beds Groundwater Management District (GMD) No. 2, attached as "Groundwater Monitoring Plan for Water Appropriation, File No. 49,131" be implemented, at the applicant's expense.

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.





**GROUNDWATER MONITORING PLAN**  
**for**  
**WATER APPROPRIATION FILE No. 49131 – McGinn Land Co.**

Prepared by  
Equus Beds Groundwater Management District No. 2  
March 4, 2016

**A SCOPE** - To monitor and record water-level changes in the Equus Beds Aquifer in an area that encompasses the point of diversion described by Water Appropriation Application No. 49131.

**B DATA COLLECTION**

- B.1 Data collection points may include the proposed production well and dedicated observation wells.
- B.2 The data collection point locations are described as:
  - B.2.1 One irrigation well in the northeast quarter of the southeast quarter of the southwest quarter of Section 9, Township 24 south, Range 1 west, Harvey County, approximately 1,220 feet north and 2,650 feet west of the apparent southeast section corner
  - B.2.2 One observation well in the southwest quarter of the southeast quarter of the southwest quarter of Section 9, Township 24 south, Range 1 west, Harvey County, approximately 50 feet north and 3,600 feet west of the apparent southeast section corner
  - B.2.3 One observation well near the center of the east side of the west half of the southeast quarter of Section 9, Township 24 south, Range 1 west, Harvey County, approximately 1,320 feet north and 1,400 feet west of the apparent southeast section corner
- B.3 Each data collection point shall be assigned an identification character and marked so as to be easily visible on the data collection point.
- B.4 The water permit owner is responsible for water level measurements.
- B.5 A trained and qualified person, as determined by the Division of Water Resources and the Equus Beds Groundwater Management District, shall conduct all measurements.
- B.6 The water permit owner shall provide the Equus Beds Groundwater Management District and the Division of Water Resources rights of ingress and egress to the monitoring well as may be reasonably necessary for data gathering or sample collection.

WATER RESOURCES  
RECEIVED

**MAR 09 2016**

KS DEPT OF AGRICULTURE

**C DATA COLLECTION RECORDS**

- C.1 The water permit owner shall maintain accurate permanent records of all water level measurements and water quality analyses.
- C.2 All water level measurements shall be recorded to the nearest 0.1 foot.
- C.3 Record data for each water level measurement shall include:
  - C.3.1 Identification of the data collection point by identification character and legal description;
  - C.3.2 Date of measurement;
  - C.3.3 Time of measurement;
  - C.3.4 Name of person making measurement;
  - C.3.5 Description and elevation of measuring point;
  - C.3.6 Measurement of depth to water from measuring point in feet;
  - C.3.7 Computed depth to water from land surface;
  - C.3.8 Computed water table elevation;
  - C.3.9 If the data collection point is a production well, the date the well was last operated, and
  - C.3.10 Any field observations that may have an effect on the water table.

**D EQUIPMENT**

- D.1 Water level measurements shall be made using one of the following devices:
  - D.1.1 A chalked steel tape with a weight attached to the lower end and graduated to a minimum of 0.1 foot;
  - D.1.2 An M-scope or electric tape graduated to a minimum of 0.1 foot;
  - D.1.3 A factory calibrated pressure transducer;
  - D.1.4 Equipment must be clean and free of any contaminants, and
  - D.1.5 Other devices approved by the Division of Water Resources and the Equus Beds Groundwater Management District.

**E FREQUENCY OF WATER LEVEL MEASUREMENTS**

- E.1 Upon approval of Application No. 49131, water level measurements shall commence on the data collection points described in paragraphs B.2.1, B.2.2, and B.2.3 (irrigation well and observation wells) for a period of ten (10) years as described:
  - E.1.1 Water level measurements shall be collected on a monthly basis for two years.
  - E.1.2 Monthly measurements shall be collected during the first full week beginning with the first Monday of each month.
  - E.1.3 After two years of monthly measurements, water level measurements shall be collected on a quarterly basis for three years.
  - E.1.4 Quarterly measurements shall be collected during the first full week beginning with the first Monday of each calendar quarter.

- E.1.5 After three years of quarterly measurements, water level measurements shall be collected on an annual basis for five years.
- E.1.6 Annual measurements shall be collected during the first full week beginning with the first Monday of each calendar year.
- E.2 Measurements may extend beyond ten (10) years, if it is found by the Chief Engineer, Division of Water Resources and the Board of Directors, Equus Beds Groundwater Management District No. 2 that such data is necessary to:
  - E.2.1 Determine groundwater level changes at the site;
  - E.2.2 Prevent impairment of existing wells and water rights, or
  - E.2.3 Determine other site conditions.

**F REPORTING**

- F.1 The applicant shall furnish all water level measurements performed on the data collection points to the Chief Engineer, Division of Water Resources and the Equus Beds Groundwater Management District, within ten days of a measurement or receipt of an analysis.

WATER RESOURCES  
RECEIVED

**MAR 09 2016**

KS DEPT OF AGRICULTURE

APPLICATION COMPLETE  
5/16/17  
Reviewed AM

THE STATE OF KANSAS



KANSAS DEPARTMENT OF AGRICULTURE  
Jackie McClaskey, Secretary of Agriculture

DIVISION OF WATER RESOURCES  
David W. Barfield, Chief Engineer

File Number 49131

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.)

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3:34  
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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): McGinn Land Co LLC  
Address: 1123 W 4th St.  
City: Sedgwick State KS Zip Code 67135  
Telephone Number: (316) 772-5050

2. The source of water is:  surface water in \_\_\_\_\_ (stream)  
OR  groundwater in Little Arkansas River - Equus Beds Aquifer (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 201.5 acre-feet OR \_\_\_\_\_ gallons per calendar year, to be diverted at a maximum rate of 800 gallons per minute OR \_\_\_\_\_ cubic feet per second.

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

4. The water is intended to be appropriated for (Check use intended):  
(a)  Artificial Recharge (b)  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 IR Source GS County HU By AGL Date 8-11-14  
Code FE2 Fee \$ 300 TR # \_\_\_\_\_ Receipt Date 8-8-14 Check # 5143

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

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

- (A) One in the NE quarter of the SE quarter of the SW quarter of Section 9, more particularly described as being near a point 1220 feet North and 2650 feet West of the Southeast corner of said section, in Township 24 South, Range 1 East (West (circle one)), Harvey 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):

McGinn Land Co. LLC, 1123 W. 4th Street, Sedgwick, KS 67135 (316) 772-5050

\_\_\_\_\_  
(name, address and telephone number)

\_\_\_\_\_  
(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 7-23, 2014. [Signature]  
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 One well \_\_\_\_\_  
(number of wells, pumps or dams, etc.)

and (was) (will be) completed (by) 2013 under # 47899 \_\_\_\_\_  
(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 6/1/2015 \_\_\_\_\_  
(Mo/Day/Year)

- 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 NA
- If no, explain here why a Water Structures permit is not required NA

- 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.

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.

Water Permit # 47899 - Same PD, Partial Place of Use

Applicant intends to dismiss # 47899

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

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

| Well location as shown in paragraph No. | (A)   | (B)   | (C)   | (D)   |
|---|-------|-------|-------|-------|
| Date Drilled                            | _____ | _____ | _____ | _____ |
| 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 **Owner**  
(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):  
**McGinn Land Co. LLC, 1123 W. 4th Street, Sedgwick, KS 67135 (316) 772-5050**  
(name, address and telephone number)

\_\_\_\_\_  
(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 Halstead, Kansas, this 23<sup>rd</sup> day of July, 2014.  
(month) (year)

McGinn Land Co  
(Applicant Signature)

By [Signature]  
(Agent or Officer Signature)

Michael P. McGinn, Member  
(Agent or Officer - Please Print)

Assisted by T. Boese GMD2 Date: 7-23-14  
(office/title)

## IRRIGATION USE SUPPLEMENTAL SHEET

File No. 49131

Name of Applicant (Please Print): McGinn Land Co. LLC

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: McGinn Land Co. LLC

ADDRESS: 1123 W. 4<sup>th</sup> Street, Sedgwick, KS 67135

| S | T   | R  | NE¼ |    |    |    | NW¼ |    |    |    | SW¼ |    |    |    | SE¼ |    |    |    | TOTAL |    |  |     |
|---|-----|----|-----|----|----|----|-----|----|----|----|-----|----|----|----|-----|----|----|----|-------|----|--|-----|
|   |     |    | NE  | NW | SW | SE | NE  | NW | SW | SE | NE  | NW | SW | SE | NE  | NW | SW | SE |       |    |  |     |
| 9 | 24S | 1W |     |    |    |    |     |    |    |    |     |    | 39 | 1  | 1   | 36 |    |    | 39    | 39 |  | 155 |
|   |     |    |     |    |    |    |     |    |    |    |     |    |    |    |     |    |    |    |       |    |  |     |
|   |     |    |     |    |    |    |     |    |    |    |     |    |    |    |     |    |    |    |       |    |  |     |
|   |     |    |     |    |    |    |     |    |    |    |     |    |    |    |     |    |    |    |       |    |  |     |

**Landowner of Record** NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

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

**Landowner of Record** NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

| S | T | R | NE¼ |    |    |    | NW¼ |    |    |    | SW¼ |    |    |    | SE¼ |    |    |    | TOTAL |  |  |  |
|---|---|---|-----|----|----|----|-----|----|----|----|-----|----|----|----|-----|----|----|----|-------|--|--|--|
|   |   |   | NE  | NW | SW | SE | NE  | NW | SW | SE | NE  | NW | SW | SE | NE  | NW | SW | SE |       |  |  |  |
|   |   |   |     |    |    |    |     |    |    |    |     |    |    |    |     |    |    |    |       |  |  |  |
|   |   |   |     |    |    |    |     |    |    |    |     |    |    |    |     |    |    |    |       |  |  |  |
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2. Please complete the following information for the description of the operation for the irrigation project. Attach supplemental sheets as needed.

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

| Soil Name                      | Percent of field (%) | Intake Rate (in/hr) | Irrigation Design Group |
|--------------------------------|----------------------|---------------------|-------------------------|
| <u>Crete Silt Loam</u>         | <u>4</u>             | <u>.06-.2</u>       | <u>3</u>                |
| <u>Hobbs Silty Loam</u>        | <u>42</u>            | <u>.6-2</u>         | <u>5</u>                |
| <u>Nalim-Shellabarger Loam</u> | <u>5</u>             | <u>.6-2</u>         | <u>7</u>                |
| <u>Geary Silt Loam 1-3%</u>    | <u>29</u>            | <u>.6-2</u>         | <u>5</u>                |
| <u>Geary Silt Loam 3-7%</u>    | <u>20</u>            | <u>.6-2</u>         | <u>5</u>                |
| <u>        </u> Total:         | <u>100 %</u>         | <u>        </u>     | <u>        </u>         |

b. Estimate the average land slope in the field(s): 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: Will schedule and apply irrigation to eliminate run-off

ii. For sprinkler systems:

(1) Estimate the operating pressure at the distribution system: 30 psi

(2) What is the sprinkler package design rate? 800 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? 1226+ 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, Soybeans, Wheat, Milo

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). Will contract with crop consultant

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

## Wells within ½ mile

1. Irrigation Well - No. 47899  
Applicant
2. Municipal Wells - Water Permit Nos. 42127  
Public Wholesale Water Supply District No. 17  
c/o City of Newton  
PO Box 426  
Newton, KS 67114
3. Domestic Well  
Bradley & Wendy Mosiman <sup>R</sup>  
5631 S. Ridge Road  
PO Box 461  
Sedgwick, KS 67135
4. Domestic Well  
Douglass Jr. & Rhonda Little  
5827 S. Ridge Road  
Sedgwick, KS 67135
5. Irrigation Well - Nos. 47901 & Pending 48580  
Applicant
6. Pending Irrigation Well - Nos. 48010 & 48334-A  
Applicant
7. Domestic Well  
Ram Trust  
6827 SW 60TH ST  
Sedgwick, KS 67135-9025
8. Domestic Well <sup>R</sup>  
Mayfield, Andrew B & Christina T  
6830 SW 60TH ST  
Sedgwick, KS 67135-9024
9. Irrigation Well - No. 47982  
Applicant

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**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  
Big Blue River  
Chapman Creek  
Chikaskia River  
Cottonwood River  
Delaware River  
Little Arkansas River  
Little Blue River  
Marais des Cygnes River  
Medicine Lodge River  
Mill Creek (Wabaunsee Co. area)  
Neosho River

Ninnescah River  
North Fork Ninnescah River  
Rattlesnake Creek  
Republican River  
Saline River  
Smoky Hill River  
Solomon River  
South Fork Ninnescah  
Spring River  
Walnut River  
Whitewater River



## McGrogan, Erin

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**From:** Conant, Cameron  
**Sent:** Wednesday, December 21, 2016 2:43 PM  
**To:** McGrogan, Erin; Lanterman, Jeff  
**Subject:** FW: File Nos, 49,102, 49,131, and 49,134 McGinn Land Co LLC and Dismissals of File Nos. 47,899 and 47,901  
**Attachments:** 49131 Memo To File.rtf; 49102 Memo To File.rtf; 49134 Memo To File.rtf

Erin, Jeff and I still together working through this.

File # 49131 is replacing 47899. 47899 has been in operation the last 4-5 years (although never pumped the full requested quantity) with no apparent adverse impacts to the nearby aquifer. The log shows ~100' of saturated thickness. Based on what we see, the area water level appears to be stable and this application meets all applicable rules and regs.

File 49134 is replacing 47901. 47901 has been in operation the last 3-4 years (but never pumped to the full requested quantity). This appears to have 80-100' of saturated thickness.

We reviewed all nearby letters of concern on both files and don't believe they had any scientific basis to deny the applications. That said, with the amount of complaints and concern in the local area, we'd like to keep the monitoring wells and monitoring plans as specified and as requested in the GMD recommendation.

Further, we'd like to note that in 2011 we completed an impairment study about 1.5 miles north of here (RE: Water Right, File No. 47,110). We monitored several wells for 1½ pumping seasons and noted there was no direct impact at all observed between the wells.

Jeff recommends approval of both of these with the additional conditions as outlined by GMD#2.

Thanks, Cameron

---

**From:** McGrogan, Erin  
**Sent:** Thursday, December 01, 2016 11:18 AM  
**To:** Lanterman, Jeff <Jeff.Lanterman@ks.gov>  
**Cc:** Conant, Cameron <Cameron.Conant@ks.gov>  
**Subject:** File Nos, 49,102; 49,131, and 49,134 McGinn Land Co LLC and Dismissals of File Nos. 47,899 and 47,901

Jeff and Cameron, This is a package of five files for the McGinn Land Co. that date back to 2014. Attached are the memos for each file. Since there are multiple packs of information in each of the files from NBWO responses, to GMD 2 conditions, please refer to Docuware for the March 4, 2016 recommendations provided by the District along with comment letters. Jeff- Cameron knows the background of this package since I had a discussion with him today on these files.

Thank you.

Erin

Erin McGrogan, Environmental Scientist  
Kansas Department of Agriculture  
Division of Water Resources  
1320 Research Park Drive  
Manhattan, Kansas 66502  
785.564.6640  
[Erin.McGrogan@ks.gov](mailto:Erin.McGrogan@ks.gov)

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

March 4, 2016

Chief Engineer, Division of Water Resources  
Attn: Erin McGrogan  
1320 Research Park Dr.  
Manhattan, KS 66502

Re: Application 49131 – McGinn Land Co. LLC

Dear Ms. McGrogan:

The Equus Beds Groundwater Management District No. 2 reviewed the referenced application on March 4, 2016, using the District's Revised Management Program (effective May 1, 1995) and Rules and Regulations K.A.R. 5-22-1 through 5-22-17.

The 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.

Based upon the review findings, the application is recommended for approval by the Equus Beds Groundwater Management District No. 2, subject to the following conditions:

1. Water Permit No. 47899 is dismissed as requested by the applicant;
2. The owner, at the owner's expense, maintain the two existing groundwater monitoring wells that were drilled and required for Water Permit No. 47899. One monitoring well is located approximately 50 feet north and 3,600 feet west of the southeast corner of Section 9-T24S-R1W, and the other monitoring well is located approximately 1,320 feet north and 1,400 feet west of Section 9-T24S-R1W; and
3. The implementation of the enclosed groundwater-monitoring schedule.

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.

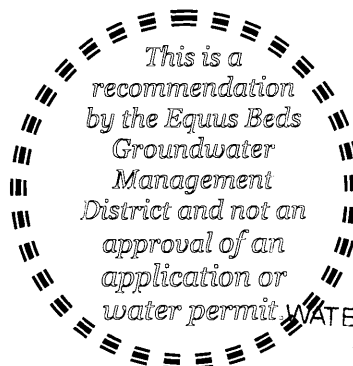
Please contact the District should you have any questions regarding the review or recommendation.

Sincerely,  
EQUUS BEDS GROUNDWATER  
MANAGEMENT DISTRICT NO. 2

Tim Boese  
Manager  
TDB/db

Enclosures

pc: McGinn Land Co. LLC., Applicant and Landowner  
Jeff Lanterman, Division of Water Resources, Stafford  
Andrew & Christina Mayfield, nearby well owners  
Brad & Wendy Mosiman, nearby well owners



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**GROUNDWATER MONITORING PLAN**  
**for**  
**WATER APPROPRIATION FILE No. 49131 – McGinn Land Co.**

Prepared by  
Equus Beds Groundwater Management District No. 2  
March 4, 2016

A **SCOPE** - To monitor and record water-level changes in the Equus Beds Aquifer in an area that encompasses the point of diversion described by Water Appropriation Application No. 49131.

**B DATA COLLECTION**

B.1 Data collection points may include the proposed production well and dedicated observation wells.

B.2 The data collection point locations are described as:

B.2.1 One irrigation well in the northeast quarter of the southeast quarter of the southwest quarter of Section 9, Township 24 south, Range 1 west, Harvey County, approximately 1,220 feet north and 2,650 feet west of the apparent southeast section corner

B.2.2 One observation well in the southwest quarter of the southeast quarter of the southwest quarter of Section 9, Township 24 south, Range 1 west, Harvey County, approximately 50 feet north and 3,600 feet west of the apparent southeast section corner

B.2.3 One observation well near the center of the east side of the west half of the southeast quarter of Section 9, Township 24 south, Range 1 west, Harvey County, approximately 1,320 feet north and 1,400 feet west of the apparent southeast section corner

B.3 Each data collection point shall be assigned an identification character and marked so as to be easily visible on the data collection point.

B.4 The water permit owner is responsible for water level measurements.

B.5 A trained and qualified person, as determined by the Division of Water Resources and the Equus Beds Groundwater Management District, shall conduct all measurements.

B.6 The water permit owner shall provide the Equus Beds Groundwater Management District and the Division of Water Resources rights of ingress and egress to the monitoring well as may be reasonably necessary for data gathering or sample collection.

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**C DATA COLLECTION RECORDS**

- C.1 The water permit owner shall maintain accurate permanent records of all water level measurements and water quality analyses.
- C.2 All water level measurements shall be recorded to the nearest 0.1 foot.
- C.3 Record data for each water level measurement shall include:
  - C.3.1 Identification of the data collection point by identification character and legal description;
  - C.3.2 Date of measurement;
  - C.3.3 Time of measurement;
  - C.3.4 Name of person making measurement;
  - C.3.5 Description and elevation of measuring point;
  - C.3.6 Measurement of depth to water from measuring point in feet;
  - C.3.7 Computed depth to water from land surface;
  - C.3.8 Computed water table elevation;
  - C.3.9 If the data collection point is a production well, the date the well was last operated, and
  - C.3.10 Any field observations that may have an effect on the water table.

**D EQUIPMENT**

- D.1 Water level measurements shall be made using one of the following devices:
  - D.1.1 A chalked steel tape with a weight attached to the lower end and graduated to a minimum of 0.1 foot;
  - D.1.2 An M-scope or electric tape graduated to a minimum of 0.1 foot;
  - D.1.3 A factory calibrated pressure transducer;
  - D.1.4 Equipment must be clean and free of any contaminants, and
  - D.1.5 Other devices approved by the Division of Water Resources and the Equus Beds Groundwater Management District.

**E FREQUENCY OF WATER LEVEL MEASUREMENTS**

- E.1 Upon approval of Application No. 49131, water level measurements shall commence on the data collection points described in paragraphs B.2.1, B.2.2, and B.2.3 (irrigation well and observation wells) for a period of ten (10) years as described:
  - E.1.1 Water level measurements shall be collected on a monthly basis for two years.
  - E.1.2 Monthly measurements shall be collected during the first full week beginning with the first Monday of each month.
  - E.1.3 After two years of monthly measurements, water level measurements shall be collected on a quarterly basis for three years.
  - E.1.4 Quarterly measurements shall be collected during the first full week beginning with the first Monday of each calendar quarter.



- E.1.5 After three years of quarterly measurements, water level measurements shall be collected on an annual basis for five years.
- E.1.6 Annual measurements shall be collected during the first full week beginning with the first Monday of each calendar year.
- E.2 Measurements may extend beyond ten (10) years, if it is found by the Chief Engineer, Division of Water Resources and the Board of Directors, Equus Beds Groundwater Management District No. 2 that such data is necessary to:
  - E.2.1 Determine groundwater level changes at the site;
  - E.2.2 Prevent impairment of existing wells and water rights, or
  - E.2.3 Determine other site conditions.

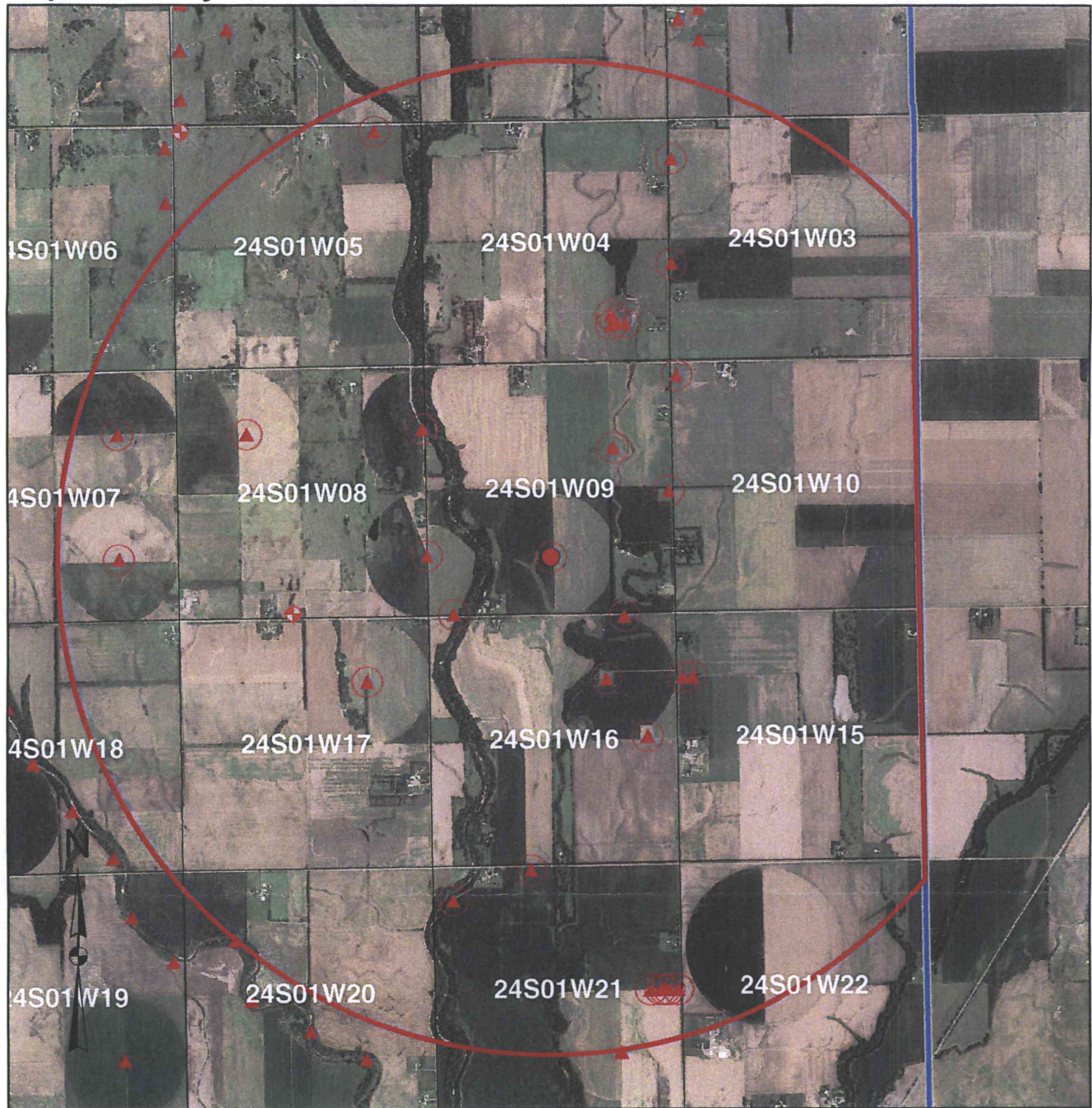
## **F REPORTING**

- F.1 The applicant shall furnish all water level measurements performed on the data collection points to the Chief Engineer, Division of Water Resources and the Equus Beds Groundwater Management District, within ten days of a measurement or receipt of an analysis.

WATER RESOURCES  
RECEIVED

**MAR 09 2016**

Equus Beds Groundwater Management District No. 2  
 Safeyield Evaluation - NO. 49131 - McGinn Land Co LLC  
 NESESW (1220'N & 2650'W) 09-24S-01W, Harvey County  
 Prepared By: T. Boese Date: 3/4/2016



|                                |                     |                            |
|--------------------------------|---------------------|----------------------------|
| Proposed Point of Diversion    | <b>Map Legend</b>   | Burrton IGUCA              |
| Area of Consideration Boundary | Major Highway       | Hollow Nikkel SWQUA        |
| Monitoring Wells               | Other Roadway       | McPherson IGUCA            |
| Points of Diversion            | Major Stream        | Enhanced Well Spacing Area |
| District Boundary              | Other Water Feature | Permian Surface Bedrock    |
| 0.5 0.25 0 0.5 Miles           | County Boundary     |                            |
|                                | City Boundary       |                            |

WATER RESOURCES RECEIVED  
 MAR 09 2016  
 AGRICULTURE

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

**SAFEYIELD EVALUATION - NO. 49131 - MCGINN LAND CO LLC**  
**LOCATION: NESESW (1220'N & 2650'W) 09-24S-01W, Harvey County**

**SPECIAL USE AREA: None**

**EVALUATION DATE:- 3/4/2016**

Total Areas: 7,458 acres; Area in 3 inch discharge zone: 0 acres; Area in 6 inch discharge zone: 7,458 acres

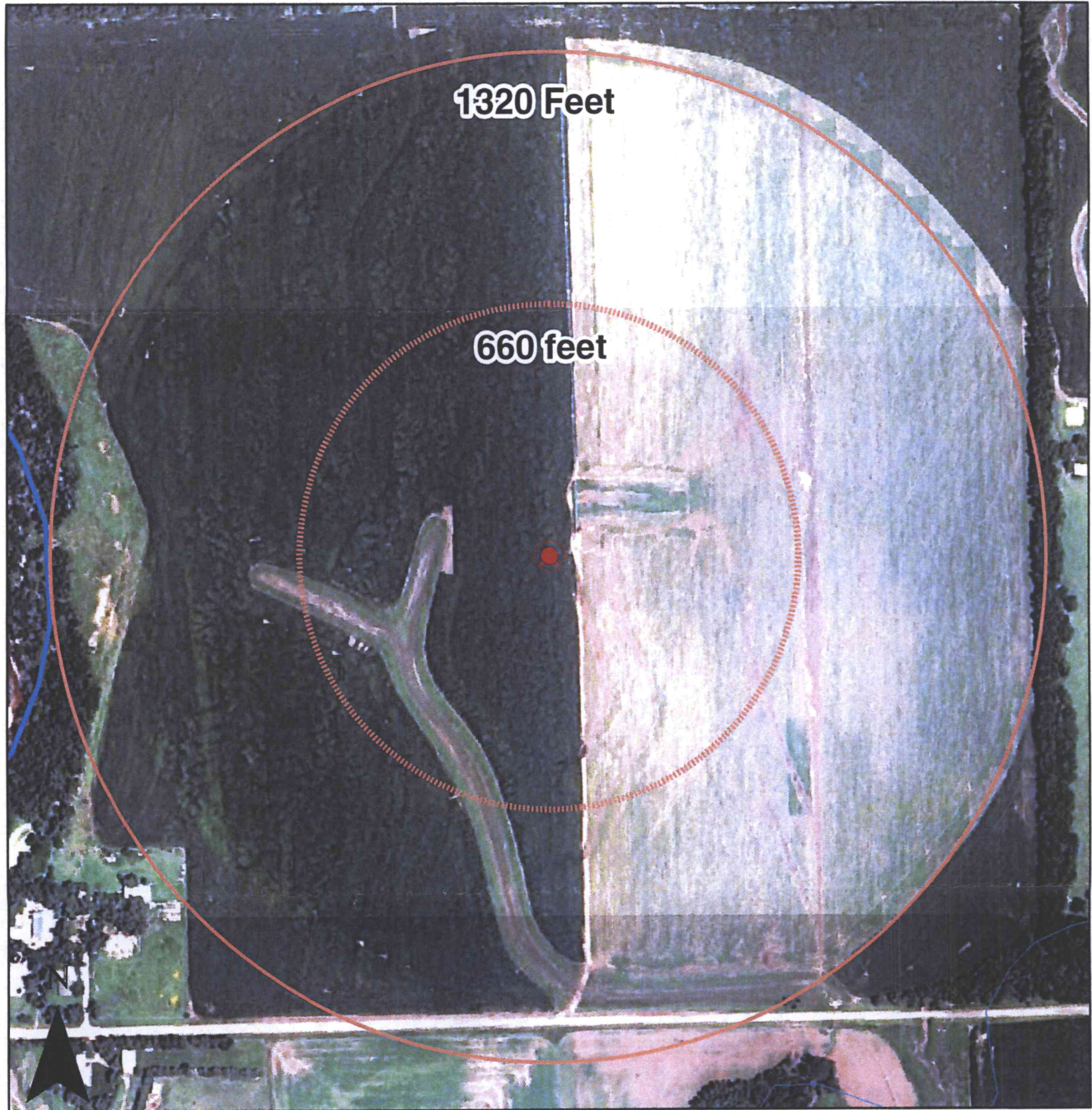
| FILE_ID                              | WELL_ID | TOWNSHIP        | RANGE | SECTION | QUALIFIER                             | USE | AUTHQUANTITY    |
|--------------------------------------|---------|-----------------|-------|---------|---------------------------------------|-----|-----------------|
| A04789500                            | 3813    | 24S             | 01W   | 3       | 4355210                               | IRR | 78              |
| A04147500                            | 2169    | 24S             | 01W   | 10      | 50315165                              | IRR | 182             |
| A04212700                            | 2289    | 24S             | 01W   | 9       | 35201260                              | MUN | 0               |
| A04212800                            | 2290    | 24S             | 01W   | 16      | 27000650                              | MUN | 0               |
| A04711000                            | 3519    | 24S             | 01W   | 3       | 21005230                              | IRR | 200.2           |
| A02868000                            | 1294    | 24S             | 01W   | 7       | 39601280                              | IRR | 113             |
| A02868000                            | 1295    | 24S             | 01W   | 7       | 13201280                              | IRR | 159             |
| A02939200                            | 1121    | 24S             | 01W   | 21      | 46004900                              | IRR | 90              |
| A04367200                            | 2667    | 24S             | 01W   | 8       | 39900068                              | IRR | 89              |
| A03161500                            | 44      | 24S             | 01W   | 15      | 39304960                              | IRR | 29              |
| A04141900                            | 2202    | 24S             | 01W   | 16      | 39301510                              | MUN | 0               |
| A04734100                            | 3755    | 24S             | 01W   | 21      | 26300090                              | IRR | 0               |
| A04734100                            | 3756    | 24S             | 01W   | 21      | 26300286                              | IRR | 0               |
| A04734100                            | 3757    | 24S             | 01W   | 21      | 26300482                              | IRR | 0               |
| A04734100                            | 3758    | 24S             | 01W   | 21      | 26300678                              | IRR | 0               |
| A04734100                            | 3696    | 24S             | 01W   | 21      | 26300384                              | IRR | 253.5           |
| A03161500                            | 43      | 24S             | 01W   | 15      | 39305160                              | IRR | 31              |
| A01656600                            | 1504    | 24S             | 01W   | 5       | 50500990                              | IRR | 49              |
| A04288900                            | 2478    | 24S             | 01W   | 8       | 13120005                              | IRR | 91              |
| A04141800                            | 2201    | 24S             | 01W   | 9       | 25900090                              | MUN | 572.5           |
| A03285600                            | 279     | 24S             | 01W   | 8       | 39603800                              | IRR | 112             |
| A04787600                            | 3826    | 24S             | 01W   | 17      | 39601300                              | IRR | 84.5            |
| A04789900                            | 3827    | 24S             | 01W   | 9       | 12202650                              | IRR | 0               |
| A04790100                            | 3828    | 24S             | 01W   | 16      | 52501100                              | IRR | 104             |
| A04798200                            | 3855    | 24S             | 01W   | 9       | 504750                                | IRR | 45.5            |
| A04789600                            | 3987    | 24S             | 01W   | 4       | 9001150                               | IRR | 67.6            |
| A04789600                            | 3988    | 24S             | 01W   | 4       | 8500850                               | IRR | 0               |
| A04789600                            | 3989    | 24S             | 01W   | 4       | 8101250                               | IRR | 0               |
| A04789600                            | 3990    | 24S             | 01W   | 4       | 10401250                              | IRR | 0               |
| A04910200                            | 4222    | 24S             | 01W   | 21      | 52303200                              | IRR | 50.4            |
| A04913400                            | 4229    | 24S             | 01W   | 16      | 52501100                              | IRR | 0               |
| A04913100                            | 4230    | 24S             | 01W   | 9       | 12202650                              | IRR | 201.5           |
| <b>Allowable Appropriations</b>      |         | <b>3,729.00</b> |       |         | <b>Total Existing Appropriation</b>   |     | <b>2,602.70</b> |
| <b>Small User Quantity</b>           |         | <b>0</b>        |       |         | <b>Non Consumptive Appropriations</b> |     | <b>0</b>        |
| <b>Remaining SUQ</b>                 |         | <b>45</b>       |       |         | <b>Consumptive Appropriations</b>     |     | <b>2,602.70</b> |
| <b>Note- Values are in acre-feet</b> |         |                 |       |         | <b>Available Appropriations</b>       |     | <b>1126.3</b>   |

WATER RESOURCES  
RECEIVED

**MAR 09 2016**

KS DEPT OF AGRICULTURE

Equus Beds Groundwater Management District No. 2  
 Spacing Evaluation #49131 McGinn  
 NESESW (1220'N & 2650'W) 09-24S-01W, Harvey County  
 Prepared By: S. Flaherty      Date: 04/06/2015



|                                |                     |                            |
|--------------------------------|---------------------|----------------------------|
| Proposed Point of Diversion    | Major Highway       | Burrton IGUCA              |
| Area of Consideration Boundary | Other Roadway       | Hollow Nikkel SWQA         |
| Monitoring Wells               | Major Stream        | McPherson IGUCA            |
| Points of Diversion            | Other Water Feature | Enhanced Well Spacing Area |
| District Boundary              | County Boundary     | Permian Surface Bedrock    |
| 0.055 0.0275 0 0.055 Miles     | City Boundary       |                            |

WATER RESOURCES RECEIVED  
 MAR 09 2016  
 KS DEPT OF AGRICULTURE

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



900 SW Jackson, Room 456  
Topeka, Kansas 66612  
(785) 296-3556  
**FILE COPY**  
Governor Sam Brownback

Jackie McClaskey, Secretary

September 11, 2015

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

Re: Application File Nos.  
49,131 and 49,134

Ladies and Gentlemen:

In response to our telephone conversation on September 9, 2015 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 60 days until November 13, 2015. This extension approval is based on additional information provided to the District in regards to the proposed point of diversion and addressing nearby well owner concerns.

Please submit your recommendations within the allotted time, or any authorized extension of time thereof. If you wish to discuss the extension of time, please contact this office.

Sincerely,

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

Erin McGrogan  
Environmental Scientist  
Water Appropriation Program

EMC  
pc: Stafford Field Office

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



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

Jackie McClaskey, Secretary

Governor Sam Brownback

March 12, 2015

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

**FILE COPY**

Re: Pending Applications, File Nos. 49,131 and 49,134

Dear Mr. Boese:

We are enclosing a copy of the applications referred to above which appear to be in proper form. Nearby well owner notification letters were sent out on January 15, 2015. Multiple responses were received and copies of all correspondence received are included with the applications.

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 recommendations concerning these applications. Please submit your recommendations within the allotted time, or any authorized extension of time thereof.

If you have any questions, please contact me at (785) 564-6631. 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 "Katie Goff".

Katie Goff  
Environmental Scientist  
Water Appropriation Program

Enclosure

pc: Stafford Field Office

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



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

Jackie McClaskey, Secretary

Governor Sam Brownback

March 5, 2015

ANDREW B & CHRISTINA T MAYFIELD  
6830 SW 60<sup>TH</sup> STREET  
SEDGWICK KS 67135-9024

RE: Pending Application, File No. 49,131

Dear Mr. & Mrs. Mayfield:

This will acknowledge receipt of your letter, received in this office on March 2, 2015 in which you expressed concerns regarding the proposed appropriation of groundwater by McGinn Land Co LLC under the above referenced application. The application is proposing to appropriate groundwater for irrigation use.

We are in the process of thoroughly reviewing this pending application to ensure that it complies with the Kansas Water Appropriation Act and applicable rules and regulations. The Chief Engineer is required to approve applications for water appropriation unless the proposed appropriation will impair existing water rights or prejudicially and unreasonably affect the public interest. Impairment is indicated if existing water rights will experience an unreasonable lowering of the static water level.

In addition, this pending application will also be undergoing further review by the Equus Beds Groundwater Management District No. 2 (GMD No.2), and they will be provided a copy of your letter. Your comments, and any recommendations made by GMD No. 2, will be considered by the Chief Engineer prior to final action on the referenced application.

Finally, the rules and regulations (K.A.R. 5-4-1) require the Chief Engineer to investigate any complaint that a prior right to the use of water is being impaired. If such impairment is found, the Chief Engineer must secure water to satisfy prior water rights. Therefore, if this permit application is approved by the Chief Engineer and you believe the diversion of water is impairing your water right, you should notify Jeff Lanterman, Water Commissioner, Stafford Field Office, as follows, so that an investigation can be made.

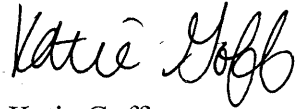
Division of Water Resources  
Stafford Field Office  
300 S. Main Street (location)  
P.O. Box F (mailing address)  
Stafford, KS 67578  
Telephone: 620-234-5311

(over)

McGinn Land Co LLC  
Pending Application, File No. 49,131  
Page 2

If you have any further questions, please contact me at 785-564-6631. 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 "Katie Goff".

Katie Goff  
Environmental Scientist  
Water Appropriation Program

pc: Stafford Field Office  
Groundwater Management District No. 2



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

March 3, 2015

BRAD & WENDY MOSIMAN  
5631 S RIDGE ROAD  
SEDGWICK KS 67135

RE: Pending Applications, File No. 49,131 and 49,134

Dear Mr. and Mrs. Mosiman:

This will acknowledge receipt of your letter, received in this office on March 2, 2015 in which you expressed concerns regarding the proposed appropriations of groundwater by McGinn Land Co LLC under the above referenced applications. The applications are proposing to appropriate groundwater for irrigation use.

We are in the process of thoroughly reviewing these pending applications to ensure that it complies with the Kansas Water Appropriation Act and applicable rules and regulations. The Chief Engineer is required to approve applications for water appropriation unless the proposed appropriation will impair existing water rights or prejudicially and unreasonably affect the public interest. Impairment is indicated if existing water rights will experience an unreasonable lowering of the static water level.

In addition, these pending applications will also be undergoing further review by Equus Beds Groundwater Management District No. 2 (GMD No.2), and they will be provided a copy of your letter. Your comments, and any recommendations made by GMD No. 2, will be considered by the Chief Engineer prior to final action on the referenced application.

Finally, the rules and regulations (K.A.R. 5-4-1) require the Chief Engineer to investigate any complaint that a prior right to the use of water is being impaired. If such impairment is found, the Chief Engineer must secure water to satisfy prior water rights. Therefore, if these permit applications are approved by the Chief Engineer and you believe the diversion of water is impairing your water right, you should notify Jeff Lanterman, Water Commissioner, Stafford Field Office, as follows, so that an investigation can be made.

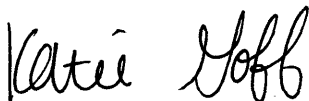
Division of Water Resources  
Stafford Field Office  
300 S. Main Street (location)  
P.O. Box F (mailing address)  
Stafford, KS 67578  
Telephone: 620-234-5311

(over)

McGinn Land Co LLC  
Pending Applications, File No. 49,131 and 49,134  
Page 2

If you have any further questions, please contact me at 785-564-6631. 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 "Katie Goff".

Katie Goff  
Environmental Scientist  
Water Appropriation Program

pc: Stafford Field Office  
Groundwater Management District No. 2

2-24-15

WATER RESOURCES  
RECEIVED

MAR 02 2015

KS DEPT OF AGRICULTURE

Regarding Application File No. 49,131.

Dear Katie Goff,

We spoke on the phone regarding approval for this permit. I would like to officially express my concern for more water being extracted at up to 800 gallons per minute in addition to the other locations so close to my residence. We raise livestock, garden, and of course live on this property. I have witnessed excessive water run-off from the existing irrigation technique's already in place. Water conservation is up most importance in our area. These "new" locations leak and cause run-off and wasted water.

Here is the information requested regarding my well.

- 9-8-94 install
- 40' Depth to water
- 66' well bottom
- 60' Pump set

6830 SW 60th St  
Sedgwick KS 67135

Sincerely,  
Andrew & Christina  
Maufield

SCANNED

February 28, 2015

**Concerning Applications 49131 and 49134**

Although we don't have water usage totals for 2014, we wanted to comment and ask some questions about Applications 49131 and 49134.

We are not in favor of these applications being approved. We would like to see additional data on the sustainability of the groundwater water levels with water usage rates as approved on Permits 47899 and 47901.

The data from the monitoring wells is encouraging, but it appears the water withdrawal was far less than what was authorized by the permits in 2013. What would the water levels look like if the maximum withdrawal occurred? Now that the monitoring frequency of the water levels has declined, would a significant drop in the water levels be noticed in a timely manner? If the water levels began to drop, how far would they be allowed to fall before pumping would cease?

We are opposed to these applications being approved. We would like to see data collected monthly at least for another year at the usage levels approved in the initial applications before additional amounts are approved.

However, if this application is approved, with what seems to us limited information, we would ask that the monitoring schedule start again per the Ground Watering Monitoring Plan for #47901 dated June 25, 2012, per section E.2.

Brad and Wendy Mosiman  
5631 S. Ridge Road  
Sedgwick, Kansas 67135



WATER RESOURCES  
RECEIVED

MAR 02 2015  
SCANNED

KS DEPT OF AGRICULTURE



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

January 15, 2015

ANDREW B & CHRISTINA T MAYFIELD  
6830 SW 60<sup>TH</sup> STREET  
SEDGWICK KS 67135-9024

Re: Application, File No. 49,131

Dear Mr. & Mrs. Mayfield:

This is to advise you that McGinn Land Co LLC has filed the application referred to above for a permit to appropriate 201.5 acre-feet of groundwater per calendar year for irrigation use to be diverted at a maximum rate of 800 gallons per minute. The proposed point of diversion is an existing well currently authorized under Appropriation of Water, File No. 47,899 located as follows:

in the Northeast Quarter of the Southeast Quarter of the Southwest Quarter (NE¼ SE¼ SW¼), of Section 9, Township 24 South, Range 1 West, Harvey County, Kansas.

A map is enclosed indicating the location of the proposed point of diversion. Records in this office indicate that you may have a well or wells in this vicinity and you are 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 or comments, you may also contact me at (785) 564-6631. If you call, please reference the file number so I can help you more efficiently.

Sincerely,

Katie Goff  
Environmental Scientist  
Water Appropriation Program

Enclosure

pc: Stafford Field Office  
Groundwater Management District No. 2  
McGinn Land Co LLC

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

January 15, 2015

RAM TRUST  
6827 SW 60<sup>TH</sup> STREET  
SEDGWICK KS 67135-9025

Re: Application, File No. 49,131

Dear Mr. Trust:

This is to advise you that McGinn Land Co LLC has filed the application referred to above for a permit to appropriate 201.5 acre-feet of groundwater per calendar year for irrigation use to be diverted at a maximum rate of 800 gallons per minute. The proposed point of diversion is an existing well currently authorized under Appropriation of Water, File No. 47,899 located as follows:

in the Northeast Quarter of the Southeast Quarter of the Southwest Quarter (NE<sup>1</sup>/<sub>4</sub> SE<sup>1</sup>/<sub>4</sub> SW<sup>1</sup>/<sub>4</sub>), of Section 9, Township 24 South, Range 1 West, Harvey County, Kansas.

A map is enclosed indicating the location of the proposed point of diversion. Records in this office indicate that you may have a well or wells in this vicinity and you are 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 or comments, you may also contact me at (785) 564-6631. If you call, please reference the file number so I can help you more efficiently.

Sincerely,

A handwritten signature in cursive script that reads "Katie Goff".

Katie Goff  
Environmental Scientist  
Water Appropriation Program

Enclosure

pc: Stafford Field Office  
Groundwater Management District No. 2  
McGinn Land Co LLC

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

January 15, 2015

DOUGLASS JR & RHONDA LITTLE  
5827 S RIDGE ROAD  
SEDGWICK KS 67135

Re: Application, File No. 49,131

Dear Mr. and Mrs. Little:

This is to advise you that McGinn Land Co LLC has filed the application referred to above for a permit to appropriate 201.5 acre-feet of groundwater per calendar year for irrigation use to be diverted at a maximum rate of 800 gallons per minute. The proposed point of diversion is an existing well currently authorized under Appropriation of Water, File No. 47,899 located as follows:

in the Northeast Quarter of the Southeast Quarter of the Southwest Quarter (NE $\frac{1}{4}$  SE $\frac{1}{4}$  SW $\frac{1}{4}$ ), of Section 9, Township 24 South, Range 1 West, Harvey County, Kansas.

A map is enclosed indicating the location of the proposed point of diversion. Records in this office indicate that you may have a well or wells in this vicinity and you are 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 or comments, you may also contact me at (785) 564-6631. If you call, please reference the file number so I can help you more efficiently.

Sincerely,

A handwritten signature in black ink that reads "Katie Goff".

Katie Goff  
Environmental Scientist  
Water Appropriation Program

Enclosure

pc: Stafford Field Office  
Groundwater Management District No. 2  
McGinn Land Co LLC

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

January 15, 2015

BRADLEY & WENDY MOSIMAN  
5631 S RIDGE ROAD  
PO BOX 461  
SEDGWICK KS 67135

Re: Application, File No. 49,131

Dear Mr. & Mrs. Mosiman:

This is to advise you that McGinn Land Co LLC has filed the application referred to above for a permit to appropriate 201.5 acre-feet of groundwater per calendar year for irrigation use to be diverted at a maximum rate of 800 gallons per minute. The proposed point of diversion is an existing well currently authorized under Appropriation of Water, File No. 47,899 located as follows:

in the Northeast Quarter of the Southeast Quarter of the Southwest Quarter (NE $\frac{1}{4}$  SE $\frac{1}{4}$  SW $\frac{1}{4}$ ), of Section 9, Township 24 South, Range 1 West, Harvey County, Kansas.

A map is enclosed indicating the location of the proposed point of diversion. Records in this office indicate that you may have a well or wells in this vicinity and you are 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 or comments, you may also contact me at (785) 564-6631. If you call, please reference the file number so I can help you more efficiently.

Sincerely,

A handwritten signature in black ink that reads "Katie Goff".

Katie Goff  
Environmental Scientist  
Water Appropriation Program

Enclosure

pc: Stafford Field Office  
Groundwater Management District No. 2  
McGinn Land Co LLC

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

January 15, 2015

PUBLIC WHOLESALE WATER SUPPLY DIST #17  
C/O CITY OF NEWTON  
PO BOX 426  
NEWTON KS 67114-0426

Re: Application, File No. 49,131

Dear Sir or Madam:

This is to advise you that McGinn Land Co LLC has filed the application referred to above for a permit to appropriate 201.5 acre-feet of groundwater per calendar year for irrigation use to be diverted at a maximum rate of 800 gallons per minute. The proposed point of diversion is an existing well currently authorized under Appropriation of Water, File No. 47,899 located as follows:

in the Northeast Quarter of the Southeast Quarter of the Southwest Quarter (NE $\frac{1}{4}$  SE $\frac{1}{4}$  SW $\frac{1}{4}$ ), of Section 9, Township 24 South, Range 1 West, Harvey County, Kansas.

A map is enclosed indicating the location of the proposed point of diversion. Records in this office indicate that you may have a well or wells in this vicinity and you are 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 or comments, you may also contact me at (785) 564-6631. If you call, please reference the file number so I can help you more efficiently.

Sincerely,

A handwritten signature in cursive script that reads "Katie Goff".

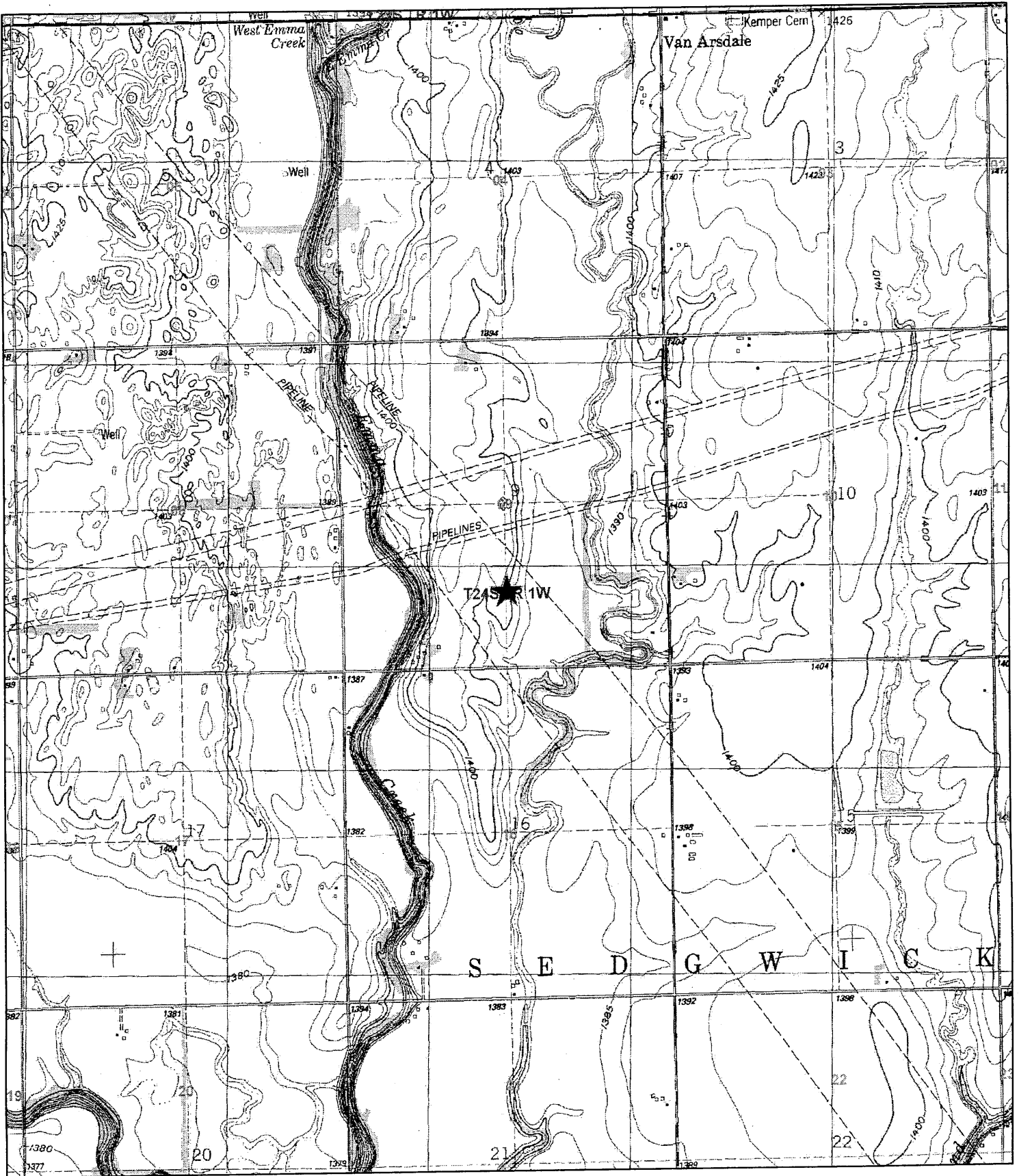
Katie Goff  
Environmental Scientist  
Water Appropriation Program

Enclosure

pc: Stafford Field Office  
Groundwater Management District No. 2  
McGinn Land Co LLC

SCANNED

File Number: 49,131



★ Point of Diversion Location

1:24,000

Date: 1/14/2015

SCANNED

KAG/DWR

AMOUNT STATISTICS REPORT FOR POINTS OF DIVERSION UNDER A 49131 00

#####

FOZ;  
GMD-7

AMOUNT STATISTICS REPORT FOR POINTS OF DIVERSION UNDER A 49131 00 IRR

Water Right and Points of Diversion Within 2.00 miles of point defined as:

1220 Feet North and 2650 Feet West of the Southeast Corner of Section 9 T 24S R 1W

GROUNDWATER ONLY

| File Number | Use | ST  | SR | Dist (ft) | Q4           | Q3 | Q2 | Q1 | FeetN | FeetW | Sec  | Twp | Rng | ID | Batt  | Auth_Quan | Add_Quan | Unit |
|-------------|-----|-----|----|-----------|--------------|----|----|----|-------|-------|------|-----|-----|----|-------|-----------|----------|------|
| A__ 16566   | 00  | IRR | NK | G         | 9830         | -- | NW | NE | NE    | 5050  | 990  | 5   | 24  | 1W | 2     | 49.00     | 49.00    | AF   |
| A__ 28680   | 00  | IRR | NK | G         | 9642         | -- | -- | NC | NE    | 3960  | 1280 | 7   | 24  | 1W | 1     | 113.00    | 113.00   | AF   |
| Same        |     |     |    |           | 9252         | -- | -- | NC | SE    | 1320  | 1280 | 7   | 24  | 1W | 2     | 159.00    | 159.00   | AF   |
| A__ 29392   | 00  | IRR | NK | G         | 7574         | -- | SW | NW | NW    | 4600  | 4900 | 21  | 24  | 1W | 1     | 90.00     | 90.00    | AF   |
| A__ 31615   | 00  | IRR | NK | G         | 3804         | -- | NW | SW | NW    | 3930  | 5160 | 15  | 24  | 1W | 1     | 31.00     | 31.00    | AF   |
| Same        |     |     |    |           | 3953         | -- | NW | SW | NW    | 3930  | 4960 | 15  | 24  | 1W | 2     | 29.00     | 29.00    | AF   |
| A__ 32856   | 00  | IRR | NK | G         | 7016         | -- | -- | NC | NW    | 3960  | 3800 | 8   | 24  | 1W | 2     | 112.00    | 112.00   | AF   |
| A__ 41418   | 00  | MUN | KE | G         | 2904         | -- | NE | NE | SE    | 2590  | 90   | 9   | 24  | 1W | 2     | 572.50    | 572.50   | AF   |
| A__ 41419   | 00  | MUN | KE | G         | 2826         | -- | NE | SW | NE    | 3930  | 1510 | 16  | 24  | 1W | 1     | 572.50    | .00      | AF   |
| A__ 41475   | 00  | IRR | NK | G         | 4704         | -- | NW | NW | NW    | 5031  | 5165 | 10  | 24  | 1W | 1     | 182.00    | 182.00   | AF   |
| A__ 42127   | 00  | MUN | KE | G         | 2687         | -- | NW | SE | NE    | 3520  | 1260 | 9   | 24  | 1W | 5     | 500.01    | .00      | AF   |
| A__ 42128   | 00  | MUN | KE | G         | 4308         | -- | SE | SE | NE    | 2700  | 650  | 16  | 24  | 1W | 2     | 500.01    | .00      | AF   |
| A__ 42889   | 00  | IRR | NK | G         | 2674         | -- | -- | CE | SE    | 1312  | 5    | 8   | 24  | 1W | 3     | 91.00     | 91.00    | AF   |
| A__ 43672   | 00  | IRR | NK | G         | 3884         | -- | -- | CE | NE    | 3999  | 68   | 8   | 24  | 1W | 4     | 89.00     | 89.00    | AF   |
| A__ 47110   | 00  | IRR | LR | G         | 6767         | -- | NW | NW | SW    | 2100  | 5230 | 3   | 24  | 1W | 1     | 200.20    | 200.20   | AF   |
| A__ 47341   | 00  | IRR | LO | G         | 9481         | -- | NE | NE | SE    | 2630  | 384  | 21  | 24  | 1W | 4 G 4 | 253.50    | 253.50   | AF   |
| Same        |     |     |    |           | 9556         | -- | NE | NE | SE    | 2630  | 90   | 21  | 24  | 1W | 5 B 4 |           |          |      |
| Same        |     |     |    |           | 9505         | -- | NE | NE | SE    | 2630  | 286  | 21  | 24  | 1W | 6 B 4 |           |          |      |
| Same        |     |     |    |           | 9458         | -- | NE | NE | SE    | 2630  | 482  | 21  | 24  | 1W | 7 B 4 |           |          |      |
| Same        |     |     |    |           | 9415         | -- | NW | NE | SE    | 2630  | 678  | 21  | 24  | 1W | 8 B 4 |           |          |      |
| A__ 47876   | 00  | IRR | KE | G         | 4741         | -- | -- | NC | NE    | 3960  | 1300 | 17  | 24  | 1W | 6     | 84.50     | 84.50    | AF   |
| A__ 47895   | 00  | IRR | KE | G         | 8889         | -- | SW | NW | NW    | 4355  | 5210 | 3   | 24  | 1W | 2     | 78.00     | 78.00    | AF   |
| A__ 47896   | 00  | IRR | KE | G         | 5206         | -- | NW | SE | SE    | 900   | 1150 | 4   | 24  | 1W | 2 G 3 | 67.60     | 67.60    | AF   |
| Same        |     |     |    |           | 5218         | -- | NW | SE | SE    | 850   | 950  | 4   | 24  | 1W | 3 B 3 |           |          |      |
| Same        |     |     |    |           | 5092         | -- | NW | SE | SE    | 810   | 1250 | 4   | 24  | 1W | 4 B 3 |           |          |      |
| Same        |     |     |    |           | 5314         | -- | NW | SE | SE    | 1040  | 1250 | 4   | 24  | 1W | 5 B 3 |           |          |      |
| A__ 47899   | 00  | IRR | KE | G         | <del>0</del> | -- | NE | SE | SW    | 1220  | 2650 | 9   | 24  | 1W | 7     | 170.30    | 170.30   | AF   |
| A__ 47901   | 00  | IRR | KE | G         | 2001         | -- | NW | NE | NE    | 5250  | 1100 | 16  | 24  | 1W | 3     | 104.00    | 104.00   | AF   |
| A__ 47982   | 00  | IRR | KE | G         | 2404         | -- | SW | SW | SW    | 50    | 4750 | 9   | 24  | 1W | 8     | 45.50     | 45.50    | AF   |
| A__ 49102   | 00  | IRR | AY | G         | 6625         | -- | NE | NE | NW    | 5230  | 3200 | 21  | 24  | 1W | 9     | 140.40    | 140.40   | AF   |
| A__ 49131   | 00  | IRR | AY | G         | <del>0</del> | -- | NE | SE | SW    | 1220  | 2650 | 9   | 24  | 1W | 7     | 201.50    | 201.50   | AF   |
| A__ 49134   | 00  | IRR | AY | G         | 2001         | -- | NW | NE | NE    | 5250  | 1100 | 16  | 24  | 1W | 3     | 174.20    | 174.20   | AF   |
| T__20127235 | MF  | IRR | GY | G         | 7016         | -- | -- | NC | NW    | 3960  | 3800 | 8   | 24  | 1W | 2     | 560.00    | .00      | AF   |

- TBO

| Total Net Quantities Authorized: | Direct  | Storage |
|----------------------------------|---------|---------|
| Total Requested Amount (AF) =    | 516.10  | .00     |
| Total Permitted Amount (AF) =    | 1122.40 | .00     |
| Total Inspected Amount (AF) =    | 453.70  | .00     |
| Total Pro_Cert Amount (AF) =     | .00     | .00     |
| Total Certified Amount (AF) =    | 945.00  | .00     |
| Total Vested Amount (AF) =       | .00     | .00     |
| TOTAL AMOUNT (AF) =              | 3037.20 | .00     |

An \* after the source of supply indicates a pending application for change under the file number.

An \* after the ID indicates a 15 AF exemption was granted under the file number.

A "G" in the Batt column indicates the GEO CTR of a battery. A "B" indicates a well in the battery.  
The number in the Batt column is the number of wells in the battery.

Water Rights and Points of Diversion Within 2.00 miles of point defined as:

1220 Feet North and 2650 Feet West of the Southeast Corner of Section 9 T 24S R 1W

GROUNDWATER ONLY

WATER USE CORRESPONDENTS:

=====

File Number Use ST SR

A\_\_ 16566 00 IRR NK G

> JOE & DONNA L HARPER TRUST

>

> 8100 S RIDGE RD

> SEDGWICK KS 67135

>-----

A\_\_ 28680 00 IRR NK G

> CALVIN E JOHNSON

>

> 9511 NW 12TH ST

> HALSTEAD KS 67056

>-----

A\_\_ 29392 00 IRR NK G

> MICHAEL P & SUSANNAH M MCGINN REV TRUSTS

>

> 1123 W 4TH ST

> SEDGWICK KS 67135

>-----

A\_\_ 31615 00 IRR NK G

> C G & DEBORAH K MCGINN

>

> 6618 S RIDGE RD

> SEDGWICK KS 67135

>-----

A\_\_ 32856 00 IRR NK G

> MELVIN BECKER

>

> 7924 SW 60TH ST

> SEDGWICK KS 67135

>-----

A\_\_ 41418 00 MUN KE G

> PUBLIC WHOLESALE WATER SUPPLY DIST #17

>

> PO BOX 426

> NEWTON KS 67114

>-----

A\_\_ 41419 00 MUN KE G

> PUBLIC WHOLESALE WATER SUPPLY DIST #17

>

> PO BOX 426

> NEWTON KS 67114

>-----

A\_\_ 41475 00 IRR NK G

>-----  
A\_\_ 47896 00 IRR KE G  
> DANIEL & BARBARA ANDREW  
>  
> 4605 S RIDGE RD  
> SEDGWICK KS 67135  
>-----  
A\_\_ 47899 00 IRR KE G  
> MCGINN LAND CO LLC  
>  
> 1123 W 4TH ST  
> SEDGWICK KS 67135  
>-----  
A\_\_ 47901 00 IRR KE G  
> MCGINN LAND CO LLC  
>  
> 1123 W 4TH ST  
> SEDGWICK KS 67135  
>-----  
A\_\_ 47982 00 IRR KE G  
> MCGINN LAND CO LLC  
>  
> 1123 W 4TH ST  
> SEDGWICK KS 67135  
>-----  
A\_\_ 49102 00 IRR AY G  
> MICHAEL P & SUSANNAH M MCGINN REV TRUSTS  
>  
> 1123 W 4TH ST  
> SEDGWICK KS 67135  
>-----  
A\_\_ 49131 00 IRR AY G  
> MCGINN LAND CO LLC  
>  
> 1123 W 4TH ST  
> SEDGWICK KS 67135  
>-----  
A\_\_ 49134 00 IRR AY G  
> MCGINN LAND CO LLC  
>  
> 1123 W 4TH ST  
> SEDGWICK KS 67135  
>-----  
T\_\_20127235 MF IRR GY G  
> MELVIN BECKER  
>  
> 7924 SW 60TH ST  
> SEDGWICK KS 67135  
>-----  
=====

####

QUALIFIERS: NE SE SW  
 DIST. FROM SE CORNER: 1220 ft North 2650 ft West  
 NUMBER OF WELLS: 1  
 COMMENT:  
 OLD LONGITUDE: OLD LATITUDE:  
 NEW LONGITUDE: 97.435920 NEW LATITUDE: 37.973840  
 GPS LONGITUDE: GPS LATITUDE:  
 GPS FEET NORTH: GPS FEET WEST:  
 COUNTY: HARVEY  
 FIELD OFFICE: STAFFORD FIELD OFFICE

GMD : 2  
 BASIN: LITTLE ARKANSAS RIVER  
 STREAM:

SPECIAL\_USE\_AREA(S):  
 AQUIFER(S):  
 > TRIBUTARY ALLUVIUM

TEST INFORMATION:  
 METER ACTION TRAIL:

OVERLAPS:  
 > A 49131 00 IRR  
 -----  
 :::::::::::::::

AUTHORIZED PLACE(S) OF USE

Section 9, T 24, R 1W, ID 2 (Internal PUSE\_ID = 62244)  
 OWNER: MCGINN LAND CO LLC

Address:  
 \*\* 1123 W 4TH ST  
 \*\* SEDGWICK KS 67135

Total acres authorized = 131.00 Acres

| NE  |     |     |     | NW  |     |     |     | SW  |     |     |     | SE  |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| NE  | NW  | SW  | SE  | NE  | NW  | SW  | SE  | NE  | NW  | SW  | SE  | NE  | NW  | SW  | SE  |
| .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 |

COMMENT:  
 OVERLAPS:  
 > A 49131 00 IRR  
 -----  
 :::::::::::::::

WATER USE INFORMATION:

| Year | Qualifiers | SC    | ID | Date Rcvd   | Hours | GPM   | Acre-feet | Code | Ac_Irr | Date Msrd | Wtr_Dp | Well_Dp | Reel | Blip |
|------|------------|-------|----|-------------|-------|-------|-----------|------|--------|-----------|--------|---------|------|------|
| 2015 | 1220N      | 2650W | 9  | 7 02-MAR-16 |       | 90.0  | A         | 131  |        | N/A       | N/A    | 93      | 2153 |      |
| 2014 | 1220N      | 2650W | 9  | 7 02-MAR-15 |       | 114.0 | A         | 131  |        | N/A       | N/A    | 89      | 1636 |      |
| 2013 | 1220N      | 2650W | 9  | 7 03-MAR-14 |       | 79.0  | A         | 131  |        | N/A       | N/A    | 84      | 2212 |      |
| 2012 | 1220N      | 2650W | 9  | 7 28-FEB-13 |       | 108.0 | M         | 131  |        | N/A       | N/A    | 79      | 1801 |      |

WATER RIGHT INFORMATION REPORT FOR : 47899 00

RIGHT TYPE: Appropriation

SOURCE: Groundwater USE: IRR

CURRENT STATUS: Completed Pending Inspection

PRIORITY DATE: 04-AUG-11

CURRENT COMPLETE BY DATE: 31-DEC-13

COMPLETION ACKNOWLEDGED DATE: 04-DEC-12

CURRENT PERFECT BY DATE: 31-DEC-17

YEAR PERFECTED:

CERTIFICATE ISSUED DATE:

.....

APPLICANT(S):

> VERNON KLAASSEN 6733 S EMMA CREEK RD SEDGWICK KS 67135

> PERSON ID (Old Address Code): 9502

> CORRESPONDENT SEQUENCE NUMBER: 1

>-----

.....

WATER USE CORRESPONDENT(S):

> MCGINN LAND CO LLC 1123 W 4TH ST SEDGWICK KS 67135

> PERSON ID (Old Address Code): 59898

> CORRESPONDENT SEQUENCE NUMBER: 1

>-----

.....

ACTION TRAIL:

04-AUG-11 Pending Initial Review

11-MAY-12 New Application Initial Review Began

15-MAY-12 New App Suspended For Comments From Adj Right Holders

05-JUN-12 New App Suspended For Comments From Gmd

16-JUL-12 New App Suspended For Comments From Field Office

19-JUL-12 Pending Final Action (Non Chief Engineer)

20-JUL-12 Approved Pending Completion N+P BY 31-DEC-13 PERF BY 31-DEC-17

04-DEC-12 Completed Pending Inspection

.....

CONSERVATION CONTRACT ACTION TRAIL:

.....

CONSERVATION PLAN ACTION TRAIL:

.....

SPECIAL CONDITIONS:

.....

QUANTITIES:

>AUTHORIZED 170.300 AF ADDITIONAL 170.300 AF

.....

RATES:

>AUTHORIZED 800.000 gpm ADDITIONAL 800.000 gpm

.....

LIMITATIONS: None

.....

STORAGE QUANTITIES: No active storage quantities associated with IRR use under this water right

STORAGE RATES: No active storage rates associated with IRR use under this water right

.....

AUTHORIZED POINTS(S) OF DIVERSION

Section 9, T 24, R 1W, ID 7 (Internal PDIV\_ID = 78909)

> JOHN D & MARGARET SCHMIDT

>

> 613 FERN ST

> SEDGWICK KS 67135

-----

A\_\_ 42127 00 MUN KE G

> PUBLIC WHOLESALE WATER SUPPLY DIST #17

>

> PO BOX 426

> NEWTON KS 67114

-----

A\_\_ 42128 00 MUN KE G

> PUBLIC WHOLESALE WATER SUPPLY DIST #17

>

> PO BOX 426

> NEWTON KS 67114

-----

A\_\_ 42889 00 IRR NK G

> EDWARD J & TRICIA R WEBER

>

> 247 MAIN ST

> HALSTEAD KS 67056

-----

A\_\_ 43672 00 IRR NK G

> EDWARD J & TRICIA R WEBER

>

> 247 MAIN ST

> HALSTEAD KS 67056

-----

A\_\_ 47110 00 IRR LR G

> MARGIE K BUSENITZ

>

> 5095 S WOODLAWN RD

> NEWTON KS 67114

-----

A\_\_ 47341 00 IRR LO G

> JOE & DONNA L HARPER TRUST

>

> 8100 S RIDGE RD

> SEDGWICK KS 67135

-----

A\_\_ 47876 00 IRR KE G

> MCGINN LAND CO LLC

>

> 1123 W 4TH ST

> SEDGWICK KS 67135

-----

A\_\_ 47895 00 IRR KE G

> DANIEL & BARBARA ANDREW

>

> 4605 S RIDGE RD

> SEDGWICK KS 67135



>-----  
A\_\_ 47896 00 IRR KE G  
> DANIEL & BARBARA ANDREW  
>  
> 4605 S RIDGE RD  
> SEDGWICK KS 67135  
>-----

A\_\_ 47899 00 IRR KE G  
> MCGINN LAND CO LLC  
>  
> 1123 W 4TH ST  
> SEDGWICK KS 67135  
>-----

A\_\_ 47901 00 IRR KE G  
> MCGINN LAND CO LLC  
>  
> 1123 W 4TH ST  
> SEDGWICK KS 67135  
>-----

A\_\_ 47982 00 IRR KE G  
> MCGINN LAND CO LLC  
>  
> 1123 W 4TH ST  
> SEDGWICK KS 67135  
>-----

A\_\_ 49102 00 IRR AY G  
> MICHAEL P & SUSANNAH M MCGINN REV TRUSTS  
>  
> 1123 W 4TH ST  
> SEDGWICK KS 67135  
>-----

A\_\_ 49131 00 IRR AY G  
> MCGINN LAND CO LLC  
>  
> 1123 W 4TH ST  
> SEDGWICK KS 67135  
>-----

A\_\_ 49134 00 IRR AY G  
> MCGINN LAND CO LLC  
>  
> 1123 W 4TH ST  
> SEDGWICK KS 67135  
>-----

T\_\_20127235 MF IRR GY G  
> MELVIN BECKER  
>  
> 7924 SW 60TH ST  
> SEDGWICK KS 67135  
>-----

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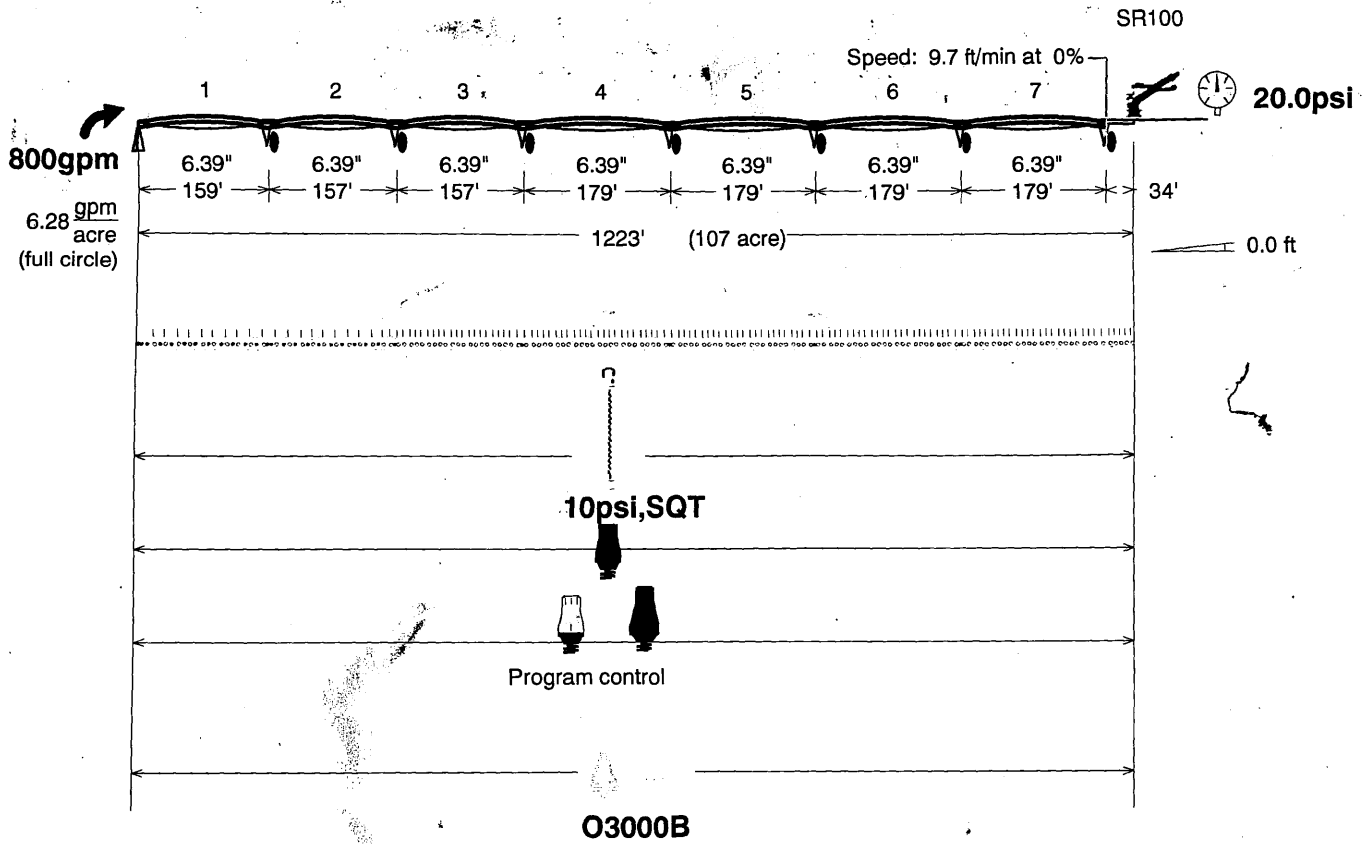
East Dairy

Lindsay Sales Service, LLC

S013824A  
02 Aug 2012

96 AGRI-SALES INC.  
MT HOPE, KS  
6079-10

Mike McGinn  
1490270  
East of Dairy Barn



DISCLAIMER

The products manufactured by Nelson Irrigation Corporation which are specified as a part of this system design are covered by the manufacturer's printed "Warranty and Disclaimer", which applies to the individual components of its own manufacture. The manufacturer cannot be responsible for the performance of the system and makes no warranties, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE and does hereby disclaim any liability for damages due to failure of the system to perform as anticipated.

Lindsay Manufacturing Company LMCchart 2.10

WATER RESOURCES  
RECEIVED

SCANNED

AUG 08 2014

KS DEPT OF AGRICULTURE

Lindsay Sales & Service, LLC  
CENTER PIVOT SPRINKLER CHART  
LOG NUMBER: S013824A  
DATE: 02 Aug 2012

DEALER: 96 AGRI-SALES INC.  
MT HOPE, KS  
6079-10

CUSTOMER: Mike McGinn  
1490270  
East of Dairy Barn

|                    |           |                         |           |
|--------------------|-----------|-------------------------|-----------|
| NUMBER OF TOWERS:  | 7         | NOZZLE FILES:           | O3000B    |
| PIVOT PRESSURE:    | 30.0 psi  | FRICTION C-FACTOR:      | 140       |
| TOTAL SYSTEM FLOW: | 800.0 gpm | FULL CIRCLE GPM / ACRE: | 6.3       |
| TOTAL PIPE LENGTH: | 1223.3 FT | COVERAGE WITHOUT GUN:   | 1226.3 FT |
| END GUN TYPE:      | SR100     | ADJ. END GUN RADIUS:    | 106.2 ft  |

SYSTEM MANUFACTURER: LINDSAY

|   |                      | FT     | PIPE ID |
|---|----------------------|--------|---------|
| 1 | 1579Z-65 SPAN 1,     | 159.4, | 6.39 in |
| 2 | 1579Z-65 SPANS 2- 3, | 157.0, | 6.39 in |
| 4 | 1799Z-65 SPANS 4- 7, | 179.0, | 6.39 in |
| 1 | 33-OH-90 OVERHANG,   | 33.9,  | 5.37 in |

DISCLAIMER

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| ----OUTLET---- |       |     | -REG- | PSI   | ---GPM--- |     | ----SPRINKLER----- |       |       | ---NOZZLE--- |             |
|----------------|-------|-----|-------|-------|-----------|-----|--------------------|-------|-------|--------------|-------------|
| No             | Loc   | Sep | Model | RegIn | Req       | Del | Model              | Plate | SpNo. |              |             |
| 53             | 373.1 | 7.5 | LB10  | 28.8  | 2.4       | 2.5 | O3000              | Blue  | 29    | #21          | Trqu w/yllw |
| 54             | 380.4 | 7.3 | LB10  | 28.7  | 2.4       | 2.5 | O3000              | Blue  | 30    | #21          | Trqu w/yllw |
| 55             | 387.6 | 7.2 | LB10  | 28.6  | 2.5       | 2.5 | O3000              | Blue  | 31    | #21          | Trqu w/yllw |
| 56             | 395.1 | 7.5 | LB10  | 28.5  | 2.6       | 2.5 | O3000              | Blue  | 32    | #21          | Trqu w/yllw |
| 57             | 402.4 | 7.3 | LB10  | 28.4  | 2.7       | 2.8 | O3000              | Blue  | 33    | #22          | Yellow      |
| 58             | 409.8 | 7.3 | LB10  | 28.4  | 2.6       | 2.8 | O3000              | Blue  | 34    | #22          | Yellow      |
| 59             | 417.1 | 7.3 | LB10  | 28.3  | 2.7       | 2.8 | O3000              | Blue  | 35    | #22          | Yellow      |
| 60             | 424.6 | 7.5 | LB10  | 28.2  | 2.7       | 2.8 | O3000              | Blue  | 36    | #22          | Yellow      |
| 61             | 431.6 | 7.0 | LB10  | 28.1  | 2.8       | 2.8 | O3000              | Blue  | 37    | #22          | Yellow      |
| 62             | 439.1 | 7.5 | LB10  | 28.0  | 2.9       | 3.0 | O3000              | Blue  | 38    | #23          | Yllw w/red  |
| 63             | 446.4 | 7.3 | LB10  | 27.9  | 2.9       | 3.0 | O3000              | Blue  | 39    | #23          | Yllw w/red  |
| 64             | 453.8 | 7.3 | LB10  | 27.8  | 2.9       | 3.0 | O3000              | Blue  | 40    | #23          | Yllw w/red  |
| 65             | 461.1 | 7.3 | LB10  | 27.8  | 3.0       | 3.0 | O3000              | Blue  | 41    | #23          | Yllw w/red  |
| 66             | 468.6 | 7.5 | LB10  | 27.5  | 3.7       | 3.8 | O3000              | Blue  | 42    | #26          | White       |

473.4 TOWER NO. 3                      INLINE PRESSURE: 24.1 psi

| PLUG |       |      |      |      |     |     |       |      |    |     |             |
|------|-------|------|------|------|-----|-----|-------|------|----|-----|-------------|
| 67   | 474.4 |      |      |      |     |     |       |      |    |     |             |
| 68   | 478.6 | 10.0 | LB10 | 27.5 | 3.7 | 3.5 | O3000 | Blue | 43 | #25 | Red w/white |
| 69   | 486.1 | 7.5  | LB10 | 27.5 | 3.3 | 3.3 | O3000 | Blue | 44 | #24 | Red         |
| 70   | 493.4 | 7.3  | LB10 | 27.4 | 3.3 | 3.3 | O3000 | Blue | 45 | #24 | Red         |
| 71   | 500.8 | 7.3  | LB10 | 27.3 | 3.3 | 3.3 | O3000 | Blue | 46 | #24 | Red         |
| 72   | 508.1 | 7.3  | LB10 | 27.2 | 3.3 | 3.3 | O3000 | Blue | 47 | #24 | Red         |
| 73   | 515.6 | 7.5  | LB10 | 27.1 | 3.4 | 3.5 | O3000 | Blue | 48 | #25 | Red w/white |
| 74   | 522.6 | 7.0  | LB10 | 27.1 | 3.3 | 3.3 | O3000 | Blue | 49 | #24 | Red         |
| 75   | 530.1 | 7.5  | LB10 | 27.0 | 3.6 | 3.5 | O3000 | Blue | 50 | #25 | Red w/white |
| 76   | 537.4 | 7.3  | LB10 | 26.9 | 3.6 | 3.5 | O3000 | Blue | 51 | #25 | Red w/white |
| 77   | 544.8 | 7.3  | LB10 | 26.8 | 3.6 | 3.5 | O3000 | Blue | 52 | #25 | Red w/white |
| 78   | 552.1 | 7.3  | LB10 | 26.7 | 3.7 | 3.8 | O3000 | Blue | 53 | #26 | White       |
| 79   | 559.6 | 7.5  | LB10 | 26.7 | 3.6 | 3.5 | O3000 | Blue | 54 | #25 | Red w/white |
| 80   | 566.6 | 7.0  | LB10 | 26.6 | 3.7 | 3.8 | O3000 | Blue | 55 | #26 | White       |
| 81   | 574.1 | 7.5  | LB10 | 26.5 | 3.7 | 3.8 | O3000 | Blue | 56 | #26 | White       |
| 82   | 581.4 | 7.3  | LB10 | 26.4 | 3.7 | 3.8 | O3000 | Blue | 57 | #26 | White       |
| 83   | 588.8 | 7.3  | LB10 | 26.4 | 3.8 | 3.8 | O3000 | Blue | 58 | #26 | White       |
| 84   | 596.1 | 7.3  | LB10 | 26.3 | 3.9 | 3.8 | O3000 | Blue | 59 | #26 | White       |
| 85   | 603.6 | 7.5  | LB10 | 26.2 | 4.0 | 4.1 | O3000 | Blue | 60 | #27 | White w/blu |
| 86   | 610.6 | 7.0  | LB10 | 26.2 | 3.9 | 3.8 | O3000 | Blue | 61 | #26 | White       |
| 87   | 618.1 | 7.5  | LB10 | 26.1 | 4.2 | 4.1 | O3000 | Blue | 62 | #27 | White w/blu |
| 88   | 625.4 | 7.3  | LB10 | 26.0 | 4.2 | 4.1 | O3000 | Blue | 63 | #27 | White w/blu |
| 89   | 632.8 | 7.3  | LB10 | 25.9 | 4.2 | 4.1 | O3000 | Blue | 64 | #27 | White w/blu |
| 90   | 640.1 | 7.3  | LB10 | 25.8 | 4.3 | 4.4 | O3000 | Blue | 65 | #28 | Blue        |
| 91   | 647.6 | 7.5  | LB10 | 25.6 | 5.0 | 5.0 | O3000 | Blue | 66 | #30 | Drk Brown   |

652.4 TOWER NO. 4                      INLINE PRESSURE: 22.4 psi

| PLUG |       |      |      |      |     |     |       |      |    |     |            |
|------|-------|------|------|------|-----|-----|-------|------|----|-----|------------|
| 92   | 653.4 |      |      |      |     |     |       |      |    |     |            |
| 93   | 657.6 | 10.0 | LB10 | 25.5 | 5.1 | 5.0 | O3000 | Blue | 67 | #30 | Drk Brown  |
| 94   | 665.1 | 7.5  | LB10 | 25.6 | 4.5 | 4.4 | O3000 | Blue | 68 | #28 | Blue       |
| 95   | 672.4 | 7.3  | LB10 | 25.5 | 4.5 | 4.4 | O3000 | Blue | 69 | #28 | Blue       |
| 96   | 679.8 | 7.3  | LB10 | 25.5 | 4.5 | 4.4 | O3000 | Blue | 70 | #28 | Blue       |
| 97   | 687.1 | 7.3  | LB10 | 25.4 | 4.7 | 4.7 | O3000 | Blue | 71 | #29 | Blue w/brn |
| 98   | 694.6 | 7.5  | LB10 | 25.4 | 4.4 | 4.4 | O3000 | Blue | 72 | #28 | Blue       |
| 99   | 701.6 | 7.0  | LB10 | 25.3 | 4.6 | 4.7 | O3000 | Blue | 73 | #29 | Blue w/brn |
| 100  | 709.1 | 7.5  | LB10 | 25.2 | 4.6 | 4.7 | O3000 | Blue | 74 | #29 | Blue w/brn |
| 101  | 716.4 | 7.3  | LB10 | 25.2 | 4.6 | 4.7 | O3000 | Blue | 75 | #29 | Blue w/brn |

WATER RESOURCES  
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| ----OUTLET---- |       |     | -REG- | PSI   | ---GPM--- |     | ----SPRINKLER----- |       |       | ---NOZZLE--- |             |
|----------------|-------|-----|-------|-------|-----------|-----|--------------------|-------|-------|--------------|-------------|
| No             | Loc   | Sep | Model | RegIn | Req       | Del | Model              | Plate | SpNo. |              |             |
| 102            | 723.8 | 7.3 | LB10  | 25.1  | 4.7       | 4.7 | O3000              | Blue  | 76    | #29          | Blue w/brn  |
| 103            | 731.1 | 7.3 | LB10  | 25.0  | 4.8       | 4.7 | O3000              | Blue  | 77    | #29          | Blue w/brn  |
| 104            | 738.6 | 7.5 | LB10  | 24.9  | 4.9       | 5.0 | O3000              | Blue  | 78    | #30          | Drk Brown   |
| 105            | 745.6 | 7.0 | LB10  | 25.0  | 4.7       | 4.7 | O3000              | Blue  | 79    | #29          | Blue w/brn  |
| 106            | 753.1 | 7.5 | LB10  | 24.8  | 5.0       | 5.0 | O3000              | Blue  | 80    | #30          | Drk Brown   |
| 107            | 760.4 | 7.3 | LB10  | 24.8  | 5.0       | 5.0 | O3000              | Blue  | 81    | #30          | Drk Brown   |
| 108            | 767.8 | 7.3 | LB10  | 24.7  | 5.0       | 5.0 | O3000              | Blue  | 82    | #30          | Drk Brown   |
| 109            | 775.1 | 7.3 | LB10  | 24.7  | 5.2       | 5.0 | O3000              | Blue  | 83    | #30          | Drk Brown   |
| 110            | 782.6 | 7.5 | LB10  | 24.6  | 5.2       | 5.3 | O3000              | Blue  | 84    | #31          | Brwn w/orng |
| 111            | 789.6 | 7.0 | LB10  | 24.6  | 5.0       | 5.0 | O3000              | Blue  | 85    | #30          | Drk Brown   |
| 112            | 797.1 | 7.5 | LB10  | 24.5  | 5.3       | 5.3 | O3000              | Blue  | 86    | #31          | Brwn w/orng |
| 113            | 804.4 | 7.3 | LB10  | 24.5  | 5.3       | 5.3 | O3000              | Blue  | 87    | #31          | Brwn w/orng |
| 114            | 811.8 | 7.3 | LB10  | 24.4  | 5.3       | 5.3 | O3000              | Blue  | 88    | #31          | Brwn w/orng |
| 115            | 819.1 | 7.3 | LB10  | 24.4  | 5.5       | 5.3 | O3000              | Blue  | 89    | #31          | Brwn w/orng |
| 116            | 826.6 | 7.5 | LB10  | 24.0  | 6.6       | 6.7 | O3000              | Blue  | 90    | #35          | Green w/prp |

831.4 TOWER NO. 5                    INLINE PRESSURE: 21.2 psi

| PLUG |        |      |      |      |     |     |       |      |     |     |             |
|------|--------|------|------|------|-----|-----|-------|------|-----|-----|-------------|
| 117  | 832.4  |      |      |      |     |     |       |      |     |     |             |
| 118  | 836.6  | 10.0 | LB10 | 24.0 | 6.5 | 6.3 | O3000 | Blue | 91  | #34 | Drk Green   |
| 119  | 844.1  | 7.5  | LB10 | 24.1 | 5.7 | 5.7 | O3000 | Blue | 92  | #32 | Orange      |
| 120  | 851.4  | 7.3  | LB10 | 24.1 | 5.7 | 5.7 | O3000 | Blue | 93  | #32 | Orange      |
| 121  | 858.8  | 7.3  | LB10 | 24.1 | 5.7 | 5.7 | O3000 | Blue | 94  | #32 | Orange      |
| 122  | 866.1  | 7.3  | LB10 | 24.0 | 5.7 | 5.7 | O3000 | Blue | 95  | #32 | Orange      |
| 123  | 873.6  | 7.5  | LB10 | 24.0 | 5.8 | 5.7 | O3000 | Blue | 96  | #32 | Orange      |
| 124  | 880.6  | 7.0  | LB10 | 24.0 | 5.8 | 5.7 | O3000 | Blue | 97  | #32 | Orange      |
| 125  | 888.1  | 7.5  | LB10 | 23.9 | 6.0 | 6.0 | O3000 | Blue | 98  | #33 | Ornge w/grn |
| 126  | 895.4  | 7.3  | LB10 | 23.8 | 5.9 | 6.0 | O3000 | Blue | 99  | #33 | Ornge w/grn |
| 127  | 902.8  | 7.3  | LB10 | 23.9 | 5.8 | 5.7 | O3000 | Blue | 100 | #32 | Orange      |
| 128  | 910.1  | 7.3  | LB10 | 23.8 | 6.2 | 6.0 | O3000 | Blue | 101 | #33 | Ornge w/grn |
| 129  | 917.6  | 7.5  | LB10 | 23.7 | 6.1 | 6.0 | O3000 | Blue | 102 | #33 | Ornge w/grn |
| 130  | 924.6  | 7.0  | LB10 | 23.7 | 6.1 | 6.0 | O3000 | Blue | 103 | #33 | Ornge w/grn |
| 131  | 932.1  | 7.5  | LB10 | 23.6 | 6.3 | 6.3 | O3000 | Blue | 104 | #34 | Drk Green   |
| 132  | 939.4  | 7.3  | LB10 | 23.6 | 6.1 | 6.0 | O3000 | Blue | 105 | #33 | Ornge w/grn |
| 133  | 946.8  | 7.3  | LB10 | 23.5 | 6.3 | 6.3 | O3000 | Blue | 106 | #34 | Drk Green   |
| 134  | 954.1  | 7.3  | LB10 | 23.5 | 6.3 | 6.3 | O3000 | Blue | 107 | #34 | Drk Green   |
| 135  | 961.6  | 7.5  | LB10 | 23.5 | 6.3 | 6.3 | O3000 | Blue | 108 | #34 | Drk Green   |
| 136  | 968.6  | 7.0  | LB10 | 23.5 | 6.2 | 6.3 | O3000 | Blue | 109 | #34 | Drk Green   |
| 137  | 976.1  | 7.5  | LB10 | 23.4 | 6.4 | 6.3 | O3000 | Blue | 110 | #34 | Drk Green   |
| 138  | 983.4  | 7.3  | LB10 | 23.4 | 6.5 | 6.3 | O3000 | Blue | 111 | #34 | Drk Green   |
| 139  | 990.8  | 7.3  | LB10 | 23.3 | 6.6 | 6.7 | O3000 | Blue | 112 | #35 | Green w/prp |
| 140  | 998.1  | 7.3  | LB10 | 23.3 | 6.6 | 6.7 | O3000 | Blue | 113 | #35 | Green w/prp |
| 141  | 1005.6 | 7.5  | LB10 | 22.9 | 7.9 | 7.9 | O3000 | Blue | 114 | #38 | Black       |

1010.4 TOWER NO. 6                    INLINE PRESSURE: 20.4 psi

| PLUG |        |      |      |      |     |     |       |      |     |     |             |
|------|--------|------|------|------|-----|-----|-------|------|-----|-----|-------------|
| 142  | 1011.4 |      |      |      |     |     |       |      |     |     |             |
| 143  | 1015.6 | 10.0 | LB10 | 22.9 | 7.9 | 7.9 | O3000 | Blue | 115 | #38 | Black       |
| 144  | 1023.1 | 7.5  | LB10 | 23.1 | 6.8 | 7.0 | O3000 | Blue | 116 | #36 | Purple      |
| 145  | 1030.4 | 7.3  | LB10 | 23.2 | 6.6 | 6.6 | O3000 | Blue | 117 | #35 | Green w/prp |
| 146  | 1037.8 | 7.3  | LB10 | 23.2 | 6.8 | 6.6 | O3000 | Blue | 118 | #35 | Green w/prp |
| 147  | 1045.1 | 7.3  | LB10 | 23.0 | 7.1 | 7.0 | O3000 | Blue | 119 | #36 | Purple      |
| 148  | 1052.6 | 7.5  | LB10 | 23.0 | 6.9 | 7.0 | O3000 | Blue | 120 | #36 | Purple      |
| 149  | 1059.6 | 7.0  | LB10 | 23.0 | 6.8 | 7.0 | O3000 | Blue | 121 | #36 | Purple      |
| 150  | 1067.1 | 7.5  | LB10 | 23.0 | 6.9 | 7.0 | O3000 | Blue | 122 | #36 | Purple      |

| ----OUTLET---- |        | -REG- | PSI   | ---GPM--- |     | ----SPRINKLER----- |       |       | ---NOZZLE--- |                 |
|----------------|--------|-------|-------|-----------|-----|--------------------|-------|-------|--------------|-----------------|
| No             | Loc    | Sep   | Model | RegIn     | Req | Del                | Model | Plate | SpNo.        |                 |
| 151            | 1074.4 | 7.3   | LB10  | 23.0      | 7.0 | 7.0                | O3000 | Blue  | 123          | #36 Purple      |
| 152            | 1081.8 | 7.3   | LB10  | 23.0      | 7.1 | 7.0                | O3000 | Blue  | 124          | #36 Purple      |
| 153            | 1089.1 | 7.3   | LB10  | 22.8      | 7.4 | 7.5                | O3000 | Blue  | 125          | #37 Prpl w/blck |
| 154            | 1096.6 | 7.5   | LB10  | 23.0      | 7.0 | 7.0                | O3000 | Blue  | 126          | #36 Purple      |
| 155            | 1103.6 | 7.0   | LB10  | 22.9      | 7.2 | 7.0                | O3000 | Blue  | 127          | #36 Purple      |
| 156            | 1111.1 | 7.5   | LB10  | 22.8      | 7.5 | 7.5                | O3000 | Blue  | 128          | #37 Prpl w/blck |
| 157            | 1118.4 | 7.3   | LB10  | 22.8      | 7.4 | 7.5                | O3000 | Blue  | 129          | #37 Prpl w/blck |
| 158            | 1125.8 | 7.3   | LB10  | 22.8      | 7.4 | 7.5                | O3000 | Blue  | 130          | #37 Prpl w/blck |
| 159            | 1133.1 | 7.3   | LB10  | 22.8      | 7.4 | 7.5                | O3000 | Blue  | 131          | #37 Prpl w/blck |
| 160            | 1140.6 | 7.5   | LB10  | 22.8      | 7.4 | 7.5                | O3000 | Blue  | 132          | #37 Prpl w/blck |
| 161            | 1147.6 | 7.0   | LB10  | 22.7      | 7.4 | 7.5                | O3000 | Blue  | 133          | #37 Prpl w/blck |
| 162            | 1155.1 | 7.5   | LB10  | 22.7      | 7.6 | 7.5                | O3000 | Blue  | 134          | #37 Prpl w/blck |
| 163            | 1162.4 | 7.3   | LB10  | 22.6      | 7.8 | 7.9                | O3000 | Blue  | 135          | #38 Black       |
| 164            | 1169.8 | 7.3   | LB10  | 22.7      | 7.6 | 7.5                | O3000 | Blue  | 136          | #37 Prpl w/blck |
| 165            | 1177.1 | 7.3   | LB10  | 22.6      | 7.9 | 7.9                | O3000 | Blue  | 137          | #38 Black       |
| 166            | 1184.6 | 7.5   | LB10  | 22.3      | 8.9 | 8.8                | O3000 | Blue  | 138          | #40 DrkTurquise |

1189.4 TOWER NO. 7                      INLINE PRESSURE: 20.1 psi

|     |        |     |      |      |     |     |       |      |     |                 |
|-----|--------|-----|------|------|-----|-----|-------|------|-----|-----------------|
| 167 | 1193.8 | 9.2 | LB10 | 22.1 | 9.1 | 9.3 | O3000 | Blue | 139 | #41 DrkTrq w/ms |
| 168 | 1201.3 | 7.5 | LB10 | 22.5 | 7.8 | 7.9 | O3000 | Blue | 140 | #38 Black       |
| 169 | 1208.6 | 7.3 | LB10 | 22.7 | 7.3 | 7.5 | O3000 | Blue | 141 | #37 Prpl w/blck |
| 170 | 1215.0 | 6.4 | LB10 | 23.0 | 6.4 | 6.3 | O3000 | Blue | 142 | #34 Drk Green   |
| 171 | 1220.5 | 5.5 | LB10 | 22.1 | 9.4 | 9.3 | O3000 | Blue | 143 | #41 DrkTrq w/ms |

END GUN: (NOZZLE SELECTED BASED ON RECOMMENDED ARC: 170°)  
 1223.3                      59.2 119.4 125.0 SR100                      .75"

BOOSTER PUMP (TYPE: 200 GPM, 5 HP) ADDS 39.2 psi

SYSTEM INLINE END PRESSURE: 20.1 psi, INCLUDING 0 ft INCREASE IN ELEVATION

TOTAL gpm DELIVERED: 800.0

-x-INDICATES 2 OR MORE SUCCESSIVE OUTLETS SHOULD BE PLUGGED.

- 143 MOUNTING ASSEMBLIES: First outlet= 4, Last outlet= 171
- FLEX HOSE DROP, LMC 3/4"X.96"                      Hose01                      (Length= 104.04 in)
  - GOOSENECK, SCH.40, MXFEMALE                      1191880
  - HOSE BARB, NEL.3/4"HxM                      1181783
  - CLAMP, HOSE, 1-1/16"OD X 3/4"ID                      1094374
  - LMC FLEX HOSE DROP, 3/4"X.96"                      <Vari> 1192920                      (Length= 104.04 in)
  - CLAMP, HOSE, 1-1/16"OD X 3/4"ID                      1094374
  - NELSON MODULAR 1 LB WEIGHT                      1181718
  - HOSE BARB, NEL.3/4"HxM \*                      1181783
  - Standard Tee                      1000-001                      (as needed)
  - Standard Regulator                      1000-002                      (as needed)

WATER RESOURCES RECEIVED

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===== NOZZLE SELECTION VERIFICATION =====

| SPAN #   | 1    | 2    | 3    | 4    | 5     | 6     | 7     | OH+EG |
|----------|------|------|------|------|-------|-------|-------|-------|
| ACRE     | 1.8  | 5.4  | 8.9  | 14.5 | 19.2  | 23.8  | 28.4  | 25.4  |
| GPM REQ. | 13.5 | 33.2 | 55.2 | 90.3 | 119.0 | 148.4 | 176.0 | 159.4 |
| GPM DEL. | 13.7 | 32.7 | 55.9 | 90.2 | 119.0 | 147.5 | 175.8 | 165.3 |
| % DEV.   | 1%   | -2%  | 1%   | -0%  | -0%   | -1%   | -0%   | 4%    |

=====

DATA FILE IDENTIFICATION

| File   | Sprinkler Plate | SprNo | ID    | Regulator | Flow | PSI | In | x | Out | ID      |
|--------|-----------------|-------|-------|-----------|------|-----|----|---|-----|---------|
| O3000B | Orbitor         | Blue  | 1-143 | A03C      | LB10 | LO  | 10 | F | x   | ST 7549 |

PERCENTAGE TIMER REPORT

DEALER: 96 AGRI-SALES INC. CUSTOMER: Mike McGinn  
 MT HOPE, KS 1490270  
 6079-10 East of Dairy Barn

SYSTEM MANUFACTURER: LINDSAY END GUN RADIUS: 106.2 ft  
 TOTAL PIPE LENGTH: 1223.3 FT IRRIGATED AREA: 127.5 acre  
 TOTAL SYSTEM FLOW: 800.0 gpm

Motor Speed: 1725 RPM  
 Center Drive Speed: 43 RPM  
 Nominal Tire Size: 11 x 24.5

Ground Speed (tabulated) at 100% Timer : 9.7 ft/min

WATER APPLICATION DEPTH PER REVOLUTION

| Water Application (in) | Timer Setting (%) | Last Tower Ground Speed (ft/min) | Time Per Revolution (hrs) |
|------------------------|-------------------|----------------------------------|---------------------------|
| 0.18                   | 100.0             | 9.70                             | 12.84                     |
| 0.20                   | 90.0              | 8.73                             | 14.27                     |
| 0.22                   | 80.0              | 7.76                             | 16.05                     |
| 0.25                   | 70.0              | 6.79                             | 18.34                     |
| 0.27                   | 65.0              | 6.30                             | 19.76                     |
| 0.30                   | 60.0              | 5.82                             | 21.40                     |
| 0.32                   | 55.0              | 5.33                             | 23.35                     |
| 0.36                   | 50.0              | 4.85                             | 25.68                     |
| 0.40                   | 45.0              | 4.36                             | 28.54                     |
| 0.45                   | 40.0              | 3.88                             | 32.10                     |
| 0.51                   | 35.0              | 3.39                             | 36.69                     |
| 0.59                   | 30.0              | 2.91                             | 42.80                     |
| 0.71                   | 25.0              | 2.42                             | 51.36                     |
| 0.89                   | 20.0              | 1.94                             | 64.20                     |
| 1.19                   | 15.0              | 1.45                             | 85.61                     |
| 1.48                   | 12.0              | 1.16                             | 107.01                    |
| 1.98                   | 9.0               | 0.87                             | 142.68                    |
| 2.97                   | 6.0               | 0.58                             | 214.01                    |
| 5.94                   | 3.0               | 0.29                             | 428.03                    |

The relationships between water application, timer setting and pivot speed provided above are theoretical. Actual application rates will vary due to the following: tire slippage, tire inflation and tread wear; variations in terrain and soils; wind drift; evaporation; and drive train efficiency. For this reason the above data are intended only as a guide and should be used with due caution.

WATER RESOURCES RECEIVED

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KS DEPT OF AGRICULTURE



## -PART NUMBER AND SHIPPING SUMMARY-

| PART NO.  | QTY | SHIP SYSTEM | DESCRIPTION                                |
|-----------|-----|-------------|--|
| 11-2855-2 | 2   | 2           | NOZZLE, NEL, PLASTIC, 3TN, #11, BGE/GLD    |
| 11-2857-8 | 1   | 1           | NOZZLE, NEL, PLASTIC, 3TN, #13, GLD/LIM    |
| 11-2858-6 | 1   | 1           | NOZZLE, NEL, PLASTIC, 3TN, #14, LIME       |
| 11-2859-4 | 1   | 1           | NOZZLE, NEL, PLASTIC, 3TN, #15, LIM/LAV    |
| 11-2860-2 | 2   | 2           | NOZZLE, NEL, PLASTIC, 3TN, #16, LAVENDER   |
| 11-2861-0 | 1   | 1           | NOZZLE, NEL, PLASTIC, 3TN, #17, LAV/GRY    |
| 11-2862-8 | 1   | 1           | NOZZLE, NEL, PLASTIC, 3TN, #18, GRAY       |
| 11-2863-6 | 1   | 1           | NOZZLE, NEL, PLASTIC, 3TN, #19, GRY/TRQ    |
| 11-2864-4 | 5   | 5           | NOZZLE, NEL, PLASTIC, 3TN, #20, TRQ/OISE   |
| 11-2865-1 | 10  | 10          | NOZZLE, NEL, PLASTIC, 3TN, #21, TRQ/YEL    |
| 11-2866-9 | 6   | 6           | NOZZLE, NEL, PLASTIC, 3TN, #22, YELLOW     |
| 11-2867-7 | 6   | 6           | NOZZLE, NEL, PLASTIC, 3TN, #23, YEL/RED    |
| 11-2868-5 | 7   | 7           | NOZZLE, NEL, PLASTIC, 3TN, #24, RED        |
| 11-2869-3 | 7   | 7           | NOZZLE, NEL, PLASTIC, 3TN, #25, RED/WHT    |
| 11-2870-1 | 9   | 9           | NOZZLE, NEL, PLASTIC, 3TN, #26, WHITE      |
| 11-2871-9 | 4   | 4           | NOZZLE, NEL, PLASTIC, 3TN, #27, WHT/BLU    |
| 11-2872-7 | 5   | 5           | NOZZLE, NEL, PLASTIC, 3TN, #28, BLUE       |
| 11-2873-5 | 7   | 7           | NOZZLE, NEL, PLASTIC, 3TN, #29, BLU/DBR    |
| 11-2874-3 | 8   | 8           | NOZZLE, NEL, PLASTIC, 3TN, #30, DK BROWN   |
| 11-2875-0 | 5   | 5           | NOZZLE, NEL, PLASTIC, 3TN, #31, DBR/ORN    |
| 11-2876-8 | 7   | 7           | NOZZLE, NEL, PLASTIC, 3TN, #32, ORANGE     |
| 11-2877-6 | 6   | 6           | NOZZLE, NEL, PLASTIC, 3TN, #33, ORN/DGR    |
| 11-2878-4 | 9   | 9           | NOZZLE, NEL, PLASTIC, 3TN, #34, DK GREEN   |
| 11-2879-2 | 5   | 5           | NOZZLE, NEL, PLASTIC, 3TN, #35, DGR/PUR    |
| 11-2880-0 | 9   | 9           | NOZZLE, NEL, PLASTIC, 3TN, #36, PURPLE     |
| 11-2881-8 | 10  | 10          | NOZZLE, NEL, PLASTIC, 3TN, #37, PRPL/BLK   |
| 11-2882-6 | 5   | 5           | NOZZLE, NEL, PLASTIC, 3TN, #38, BLACK      |
| 11-2883-4 | 1   | 1           | NOZZLE, NEL, PLASTIC, 3TN, #40, DK TRQ     |
| 11-3018-6 | 143 | 143         | REGULATOR, NEL, BT-LF-ST, 10 PSI           |
| 11-9174-0 | 2   | 2           | NOZZLE, NEL, PLASTIC, 3TN, #41, TRQ/MST    |
| 14-9025-0 | 143 | 143         | Unknown part number                        |
| 88-4985-3 | 1   | 1           | END GUN NOZ, NELSON 100T, 0.75"            |
| 88-5265-9 | 0   | 1           | SR100 END GUN                              |
| 1191880   | 143 | 143         | GOOSENECK, SCH.40, MXFEMALE                |
| 1181783   | 286 | 286         | HOSE BARB, NEL. 3/4" HX 3/4" MNPT          |
| 1094374   | 286 | 286         | CLAMP, HOSE, 1-1/16" OD X 3/4" ID          |
| 1192920   | 6   | 6           | HOSE, FLEX, LMC, 3/4" X .96", Roll of 250' |
| 1181718   | 143 | 143         | WEIGHT, 1 LB NELSON SPRINKLER              |
| 1137900   | 28  | 28          | PLUG, PLASTIC, SQ. HD., 3/4" NPT (default) |



## FEE SCHEDULE

1. The fee for an application for a permit to appropriate water for beneficial use, except for domestic use, shall be (see paragraph No. 2 below if requesting storage):

| ACRE-FEET     | FEE  |
|---------------|--|
| 0-100         | \$200.00   |
| 101-320       | \$300.00   |
| More than 320 | \$300.00 plus \$20.00 for each additional 100 acre-feet or any part thereof. |

2. The fee for an application in which storage is requested, except for domestic use, shall be:

| ACRE-FEET     | FEE   |
|---------------|---|
| 0-250         | \$200.00  |
| More than 250 | \$200.00 plus \$20.00 for each additional 250 acre-feet of storage or any part thereof. |

Note: If an application requests both direct use *and* storage, the fee charged shall be as determined under No. 1 or No. 2 above, whichever is greater, but not both fees.

3. The fee for an application for a permit to appropriate water for water power or dewatering purposes shall be \$100.00 plus \$200.00 for each 100 cubic feet per second, or part thereof, of the diversion rate requested.

Note: The applicant shall notify the Chief Engineer and pay the statutorily required field inspection fee of \$400.00 when construction of the works for diversion has been completed, except that for applications filed on or after July 1, 2009, for works constructed for sediment control use and for evaporation from a groundwater pit for industrial use shall be accompanied by a field inspection fee of \$200.00.

### MAKE CHECKS PAYABLE TO THE KANSAS DEPARTMENT OF AGRICULTURE

#### ATTENTION

A Water Conservation Plan may be required per K.S.A. 82a-733. A statement that your application for permit to appropriate water may be subject to the minimum desirable streamflow requirements per K.S.A. 82a-703a, b, and c may also be required from you. After the Division of Water Resources has had the opportunity to review your application, you will be notified whether or not you will need to submit a Water Conservation Plan. You also may be required to install a water flow meter or water stage measuring device on your diversion works prior to diverting water. There may be other special conditions or Groundwater Management District regulations that you will need to comply with if this application is approved.

#### CONVERSION FACTORS

1 acre-foot equals 325,851 gallons

1 million gallons equal 3.07 acre-feet

WATER RESOURCES  
RECEIVED

AUG 08 2014

SCANNED

KS DEPT OF AGRICULTURE

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

August 11, 2014

MCGINN LAND CO LLC  
1123 W 4TH ST  
SEDGWICK KS 67135

RE: Application  
File No. 49,131

Dear Sir or Madam:

Your application for permit to appropriate water in 9-24S-1W, in Harvey 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) 564-6643. If you wish to discuss a specific file, please have the file number ready so that we may help you more efficiently.

Sincerely,

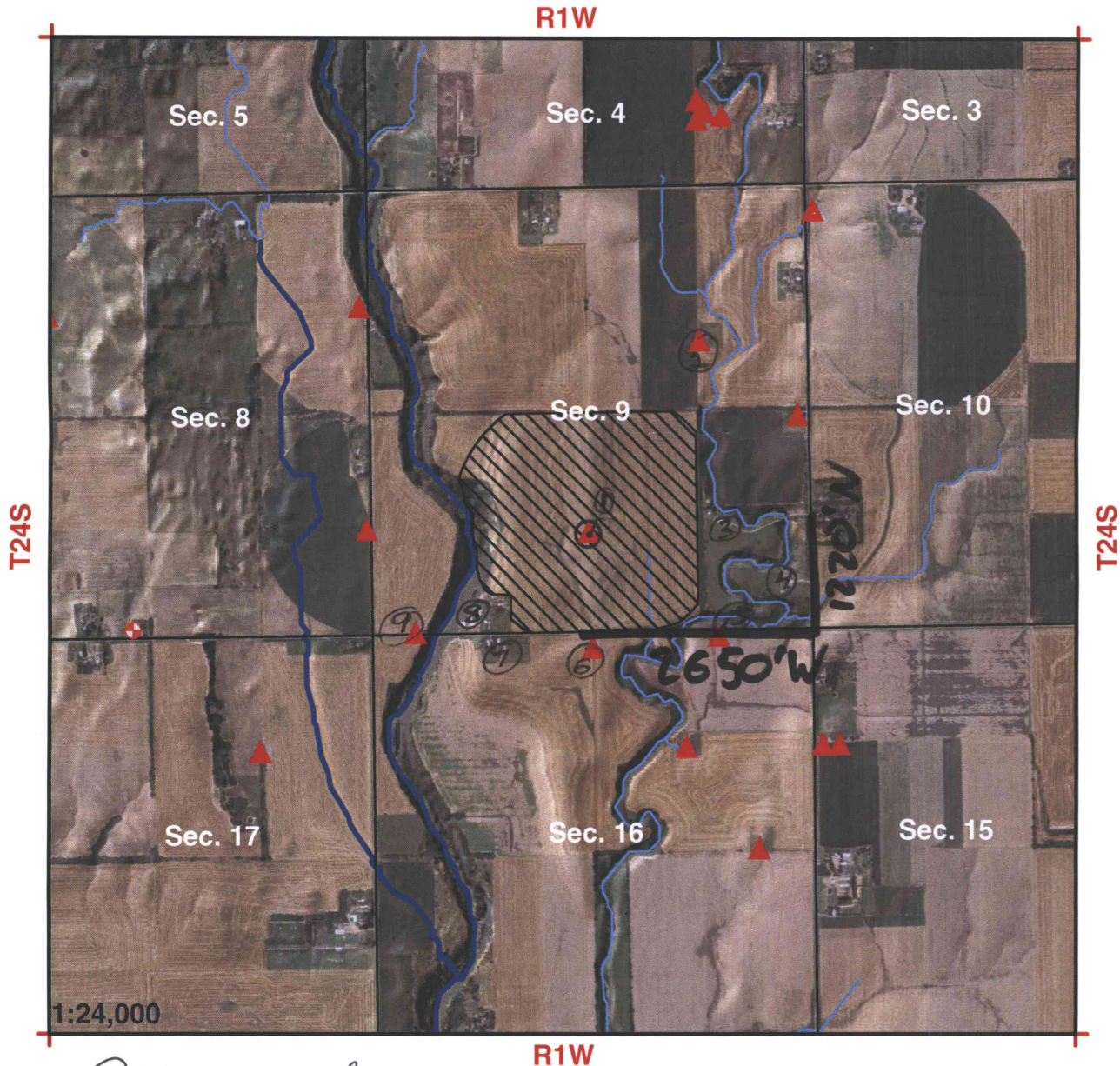
A handwritten signature in black ink, appearing to read "Richard Rockel", is written over a faint, larger version of the signature.

Richard Rockel  
New Application Unit Supervisor  
Water Appropriation Program

RAR: al  
pc: Stafford Field Office

SCANNED

Application Map - File No. 49131



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.

[Signature]  
Signature

7-23-14  
Date

- New Application**
- Application No. \_\_\_\_\_ To Change:**
- Point of Diversion
- Place of Use
- Use Made of Water
- Proposed Point of Diversion
- Existing Points of Diversion
- Proposed Place of Use
- Authorized Place of Use

Water wells within 1/2 mile of proposed point of diversion include: (type use, owner, address)

- 1) *See Attached*
- 2) **WATER RESOURCES RECEIVED**  
**AUG 08 2014**
- 3) **KS DEPT OF AGRICULTURE**  
**SCANNED**