





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

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

**TO:** Files

**DATE:** June 22, 2017

**FROM:** Austin McColloch

**RE:** Appropriation,  
File No. 48,657  
New Application,  
File No. 49,730

Darren Irons, owner of File No. 48,657 has filed an application for approval to change the place of use and a new application to appropriate water for beneficial use, File No. 49,730 for irrigation use. The applications were received on November 14, 2016.

**Change Application File No. 48,657**

The referenced file number do not appear to be abandoned as per K.S.A. 82a-718.

File No. 48,657 is currently authorized 208 acre-feet of groundwater to be diverted at a maximum rate of 800 gallons per minute from a battery of wells with a geographic center located in the Northeast Quarter of the Northeast Quarter of the Southeast Quarter (NE $\frac{1}{4}$  NE $\frac{1}{4}$  SE $\frac{1}{4}$ ) of Section 27, more particularly described as being near a point 2,015 feet North and 576 feet West of the Southeast corner of said section, in Township 32 South, Range 2 East, Sumner County, Kansas. New Application, File No. 49,730 will create a complete overlap in point of diversion and place of use.

The place of use is currently 160 acres in the Southeast Quarter (SE $\frac{1}{4}$ ) of Section 27. This application for change in place of use proposes to add 155 acres located in the Southwest Quarter (SW $\frac{1}{4}$ ) of Section 27. This will create an overlap in place of use with New Application, File No. 49,730. The additional acres will be covered by the quantity appropriated under File No. 49,730 thus there is no increase in consumptive use with the proposed change in place of use.

The applicant identified three (3) nearby wells not owned by the applicant located within one-half mile of this existing well. Nearby well owner letters were sent out on April 4, 2017, referencing the proposed change application and new application. No response of any kind has been received.

Based on the above discussion, the change is reasonable, the application complies with consumptive use criteria, 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 to create a complete overlap with New Application, File No. 49,730.

### **New Application, File No. 49,730**

The filed new application is proposing to appropriate 201.5 acre-feet of groundwater at a diversion rate of 800 gallons per minute for irrigation use in the Arkansas River Basin. The applicant proposes to withdraw from an existing battery of wells with a geographic center located in the Northeast Quarter of the Northeast Quarter of the Southeast Quarter (NE $\frac{1}{4}$  NE $\frac{1}{4}$  SE $\frac{1}{4}$ ) of Section 27, more particularly described as being near a point 2,015 feet North and 576 feet West of the Southeast corner of said section, in Township 32 South, Range 2 East, Sumner County, Kansas. This is a complete overlap with Appropriation of Water, File No. 48,657.

The proposed place of use is 315 acres located in the South Half (S $\frac{1}{2}$ ) of Section 27. This will create an overlap in place of use with Appropriation of Water, File No. 48,657. The proposed quantity of 201.5 acre-feet per calendar year combined with the appropriated quantity of 208 acre-feet under File No. 48,657 provides 1.3 acre-feet per acre, making it within the reasonable quantity for Sumner County (1.3).

A test hole log that was submitted with the pending application is the same log used for the senior file. The static water level was 23 feet below ground surface with a saturated thickness of 27 feet. Other test hole logs provided by the applicant during the senior files investigation showed similar or less saturated thickness within the overall area. A saturated thickness of 25 feet has been the cutoff requirement used to determine if additional information, i.e. an aquifer pumping test, was required. Additional was not required for either application.

Per the requirements in K.A.R. 5-3-11, safe yield is determined by the extent of the unconfined aquifer within a two-mile circle radius of the point of diversion, which establishes the area of consideration. Evaluation of the area of consideration included the extent of the unconfined aquifer, which provided an area of consideration of 6,962 acres. With a potential annual recharge of 3.2 inches, and 100% of recharge available for appropriation, safe yield was determined to be 1,856.53 acre-feet. Existing water rights have appropriated 416 acre-feet, providing a difference of 1,440.53 acre-feet available for appropriation, and the application requesting 201.5 acre-feet complies with safe yield.

According to the WRIS database, the nearest non-domestic point of diversion (File No. 48,827) is located over 1.1 miles away. The applicant identified three (3) nearby wells not owned by the applicant located within one-half mile of this existing well. There does not appear to be any domestic well within 660 feet. Nearby well owner letters were sent out on April 4, 2017, referencing the proposed change application and new application. No response of any kind has been received.

In a June 22, 2017 e-mail, Jeff Lanterman, Water Commissioner, Stafford Field Office, recommended approval of the application.

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.

Based on the above discussion, the area is open to new appropriations, the application complies with safe yield and well spacing criteria, 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 and create a complete overlap with Appropriation of Water, File No. 48,657.



Austin McColloch  
Environmental Scientist

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



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

Jackie McClaskey, Secretary

Governor Sam Brownback

DARREN IRONS  
2001 WORTHINGTON LN  
EDMOND OK 73013

July 17, 2017

**FILE COPY**

RE: Appropriation of Water, File No. 49,730

Dear Mr. Irons:

There is enclosed a permit to appropriate water authorizing you 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), 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 this permit. A water meter is required 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 should be used to provide the information required on the annual water use report.

Failure to notify the Chief Engineer of the Division of Water Resources of the completion of the diversion works within the time allowed, or within any authorized extension of time thereof, will result in the dismissal of this permit. Enclosed is a form which may be used to notify the Chief Engineer that the proposed diversion works have been completed. All requests for extensions of time to complete diversion works, or to perfect appropriations, must be submitted to the Chief Engineer before the expiration of time set forth in the permit to complete diversion works or to perfect an appropriation.

For any reason, you require an extension of time, you must request it before the expiration of time set forth in this permit. Failure to comply with this regulation will result in the dismissal of your permit or your water right. Any request for 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 establish the extent of your water right.

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

Sincerely,

Kristen A. Baum  
New Application Unit Supervisor  
Water Appropriation Program

KAB:am  
Enclosures  
pc: Stafford Field Office



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. 49,730** of the applicant

**DARREN IRONS  
2001 WORTHINGTON LN  
EDMOND OK 73013**

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 **November 14, 2016**.
2. That the water sought to be appropriated shall be used for irrigation use on land described in the application, as follows:

Sec. Twp. Range	NE¼				NW¼				SW¼				SE¼				TOTAL
	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
27 32S 2E									40	40	35	40	40	40	40	40	315

3. That the authorized source from which the appropriation shall be made is groundwater, to be withdrawn by means of a battery of four (4) wells with a geographic center located in the Northeast Quarter of the Northeast Quarter of the Southeast Quarter (NE¼ NE¼ SE¼) of Section 27, more particularly described as being near a point 2,015 feet North and 576 feet West of the Southeast corner of said section, in Township 32 South, Range 2 East, Sumner 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, which is currently \$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 accompanied by the required statutory fee, which is currently \$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, which is currently \$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 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.





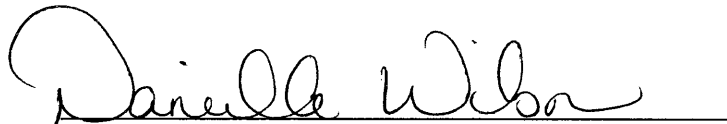
### CERTIFICATE OF SERVICE

On this 17<sup>th</sup> day of July, 2017, I hereby certify that the foregoing Approval of Application, File No. 49,730, dated July 13, 2017 was mailed postage prepaid, first class, US mail to the following:

DARREN IRONS  
2001 WORTHINGTON LN  
EDMOND OK 73013

With photocopies to:

Stafford Field Office



Division of Water Resources

THE STATE OF KANSAS



APPLICATION COMPLETE

6/22/17  
Reviewer AM

KANSAS DEPARTMENT OF AGRICULTURE  
Jackie McClaskey, Secretary of Agriculture

DIVISION OF WATER RESOURCES  
David W. Barfield, Chief Engineer

File Number 49,730

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

WATER RESOURCES RECEIVED

**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.)

NOV 14 2016

12:50

KS DEPT OF AGRICULTURE

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): DARREN IRONS  
Address: 2001 WORTHINGTON LANE  
City: EDMOND State OK Zip Code 73013  
Telephone Number: (405) 513-8225

2. The source of water is:  surface water in \_\_\_\_\_ (stream)  
OR  groundwater in ARKANSAS RIVER (drainage basin)

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

3. The maximum quantity of water desired is 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. <u>2</u>	GMD <u>0</u>	Meets K.A.R. 5-3-1 (YES/NO) <u>(YES)</u>	Use <u>IRR</u>	Source <u>G/S</u>	County <u>50</u>	By <u>ADW</u>	Date <u>11/16/16</u>
Code <u>BE2</u>	Fee \$ <u>300</u>	TR # _____	Receipt Date <u>11/14/16</u>	Check # <u>2308</u>			

SCANNED

11/16/2016 CM

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 NE quarter of the SE quarter of Section 27, more particularly described as being near a point 2040 feet North and 495 feet West of the Southeast corner of said section, in Township 32 South, Range 2 East West (circle one), SUMNER County, Kansas.

(B) One in the NE quarter of the NE quarter of the SE quarter of Section 27, more particularly described as being near a point 2290 feet North and 645 feet West of the Southeast corner of said section, in Township 32 South, Range 2 East West (circle one), SUMNER County, Kansas.

(C) One in the SE quarter of the NE quarter of the SE quarter of Section 27, more particularly described as being near a point 1790 feet North and 395 feet West of the Southeast corner of said section, in Township 32 South, Range 2 East West (circle one), SUMNER County, Kansas.

(D) One in the NE quarter of the NE quarter of the SE quarter of Section 27, more particularly described as being near a point <sup>711</sup>2290 feet North and <sup>711</sup>395 feet West of the Southeast corner of said section, in Township 32 South, Range 2 East West (circle one), SUMNER County, Kansas. *\* Rec. corner of distance by survey file*

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):

ANGELA IRONS, 2001 WORTHINGTON LANE, EDMOND, OK 73013 (405) 513-8225  
(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 NOVEMBER 2, 2016.

\_\_\_\_\_  
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 4 WELLS  
(number of wells, pumps or dams, etc.)

and (was)(will be) completed (by) \_\_\_\_\_  
(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 Nov 2, 2016  
(Mo/Day/Year)

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

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

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

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

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

• If yes, show the Water Structures permit number here \_\_\_\_\_

• If no, explain here why a Water Structures permit is not required \_\_\_\_\_

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

(a) The location of the proposed point(s) of diversion (wells, stream-bank installations, dams, or other diversion works) should be plotted as described in Paragraph No. 5 of the application, showing the North-South distance and the East-West distance from a section line or southeast corner of section.

(b) If the application is for groundwater, please show the location of any existing water wells of any kind within 1/2 mile of the proposed well or wells. Identify each existing well as to its use and furnish the name and mailing address of the property owner or owners. If there are no wells within 1/2 mile, please advise us.

(c) If the application is for surface water, the names and addresses of the landowner(s) 1/2 mile downstream and 1/2 mile upstream from your property lines must be shown.

(d) The location of the proposed place of use should be shown by crosshatching on the topographic map, aerial photograph or plat.

(e) Show the location of the pipelines, canals, reservoirs or other facilities for conveying water from the point of diversion to the place of use.

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.

FILE 48,657 COVERS THE IRRIGATION ON SE 1/4 OF 27-32-2E. THIS APPLICATION  
WILL USE THE WELLS IN FILE 48,657 FOR THE SW 1/4 OF 27-32-2E.

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

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

Well location as shown in paragraph No.	(A)	(B)	(C)	(D)
Date Drilled	<u>9-28-15</u>	<u>9-28-15</u>	<u>9-28-15</u>	<u>9-28-15</u>
Total depth of well	<u>55</u>	<u>55</u>	<u>51</u>	<u>58</u>
Depth to water bearing formation	<u>22</u>	<u>25</u>	<u>21</u>	<u>21</u>
Depth to static water level	<u>23</u>	<u>23</u>	<u>23</u>	<u>23</u>
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

DARREN IRONS  
(owner, tenant, agent or otherwise)

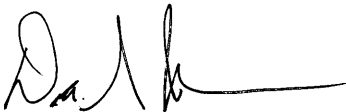
15. The owner(s) of the property where the water is used, if other than the applicant, is (please print):

EMANUEL LLC, 2001 WORTHINGTON LANE, EDMOND, OK 73013 (405) 513-8225.  
(name, address and telephone number)

ANGELA IRONS, 2001 WORTHINGTON LANE, EDMOND, OK 73013 (405) 513-8225  
(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 EDMOND, <sup>OKLAHOMA</sup> ~~Kansas~~, this 2 day of NOVEMBER, 2016.  
(month) (year)

  
\_\_\_\_\_  
(Applicant Signature)

By \_\_\_\_\_  
(Agent or Officer Signature)

\_\_\_\_\_  
(Agent or Officer - Please Print)

Assisted by \_\_\_\_\_ Date: \_\_\_\_\_  
(office/title)

WATER RESOURCES  
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KS DEPT OF AGRICULTURE

**IRRIGATION USE  
SUPPLEMENTAL SHEET**

File No. 49,730

Name of Applicant (Please Print): DARREN IRONS

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: DARREN/ANGELA IRONS / EMANUEL LLC  
ADDRESS: 2001 WORTHINGTON LANE, EDMOND, OK 73013

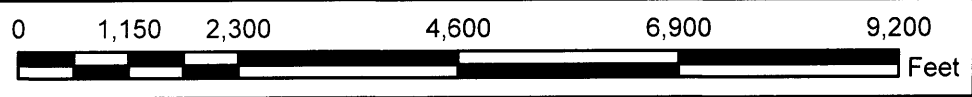
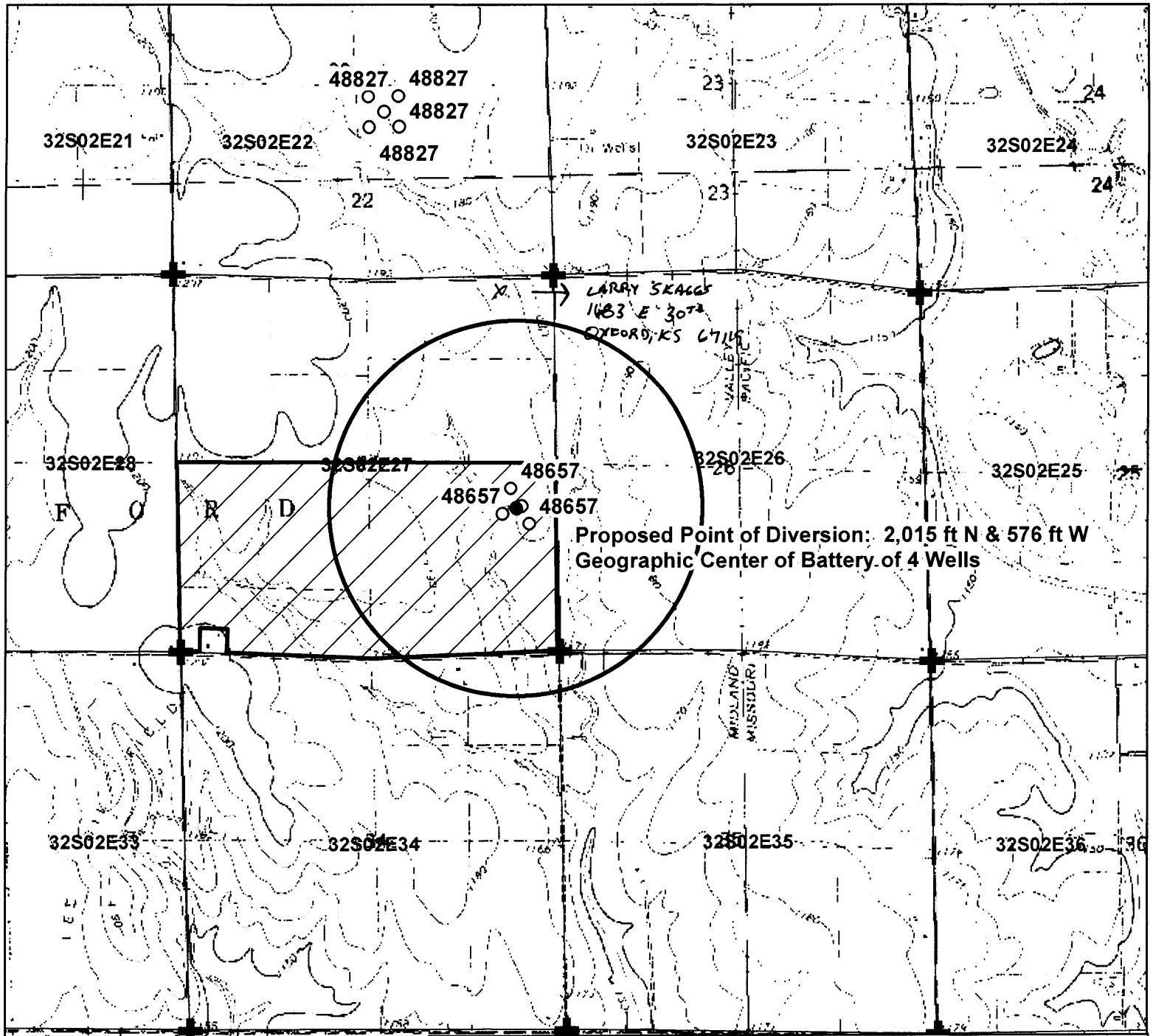
S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL	
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE		
27	32S	2E										40	40	35	40					155

**Landowner of Record** NAME: ANGELA IRONS (48657- FILE NUMBER  
ADDRESS: 2001 WORTHINGTON LANE, EDMOND, OK 73013

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL	
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE		
27	32S	2E														40	40	40	40	160

**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		



**Legend**

- Water Appropriations
- ☆ Domestic Well
- ⊕ Section Corner
- Half Mile Circle
- ▭ Section Line
- ▨ Proposed Place of Use

**Water Appropriation, File No.**

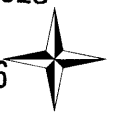
New Application Map  
 Proposed Overlap with File No. 48567  
 27-32S-2E // Sumner County

To the best of my knowledge, all of the domestic wells OF AGRICULTURE within 1/2 mile of the proposed point of diversion have been shown.

*[Handwritten Signature]*  
 Signature

WATER RESOURCES  
 RECEIVED

NOV 14 2016



SCANNED



## McColloch, Austin

---

**From:** Lanterman, Jeff  
**Sent:** Thursday, June 22, 2017 10:43 AM  
**To:** McColloch, Austin; Conant, Cameron  
**Subject:** RE: Recommendation File Nos. 48657 & 49730

Austin;

With the SY fix that looks good. Approve it.

Jeff

---

**From:** McColloch, Austin  
**Sent:** Thursday, May 4, 2017 9:29 AM  
**To:** Conant, Cameron <Cameron.Conant@ks.gov>; Lanterman, Jeff <Jeff.Lanterman@ks.gov>  
**Subject:** RE: Recommendation File Nos. 48657 & 49730

Cameron,

After reviewing your comments, my safe yield calculation has been re-run and confirm the numbers Matt used. I was reading the USGS model wrong and incorrectly placed the PD within the enhanced recharge area. Attached is my revised memo with the correct SY calculation. Although the owner might have difficulty trying to perfect both rights together, impairment to other rights in the area is unlikely. Mr. Irons will just have to see what he actually perfects during the perfection period.

Thanks for catching my mistakes.

Austin McColloch  
Environmental Scientist  
Ph: (785) 564-6643

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**From:** Conant, Cameron  
**Sent:** Wednesday, May 3, 2017 2:55 PM  
**To:** Lanterman, Jeff <Jeff.Lanterman@ks.gov>; McColloch, Austin <Austin.McColloch@ks.gov>  
**Subject:** FW: Recommendation File Nos. 48657 & 49730

Austin, can you please re look at the SY on this one? Matt called this outside the Lower Ark enhanced recharge area. I looked again at the map we have and agree that this one is outside the Lower Ark area. Per Matt's previous SY analysis, he used 6692 acres, 3.2", and 100% available. Can you please double check this and if you agree that it's outside the Lower Ark area, can you redo your SY analysis and make sure it confirms the numbers Matt used.

The original application had several Premier test logs, the best of which showed 27' of saturated thickness. Based on this log, and the fact that spacing was good to any surrounding wells, the senior application did not have to submit additional information that proved the requested rate and quantity was available from the source. Based on the original log, I think the owner may have a difficult time trying to perfect these 2 rights.

It appears that all nearby wells were notified. There were comments from a domestic well on the senior file, but no comments on this change and new application.

I think both the new application and change in place of use application can be recommended for approval as long as the competing SY analysis between this and the senior file have been cleaned up and are matching.

Jeff, please pass on to Austin if you agree.

Cameron

---

**From:** McColloch, Austin  
**Sent:** Tuesday, April 25, 2017 3:03 PM  
**To:** Lanterman, Jeff <[Jeff.Lanterman@ks.gov](mailto:Jeff.Lanterman@ks.gov)>  
**Cc:** Conant, Cameron <[Cameron.Conant@ks.gov](mailto:Cameron.Conant@ks.gov)>  
**Subject:** Recommendation File Nos. 48657 & 49730

Jeff,

Attached is my draft memo for Change in PU under Appropriation of Water, File No. 48,657 and New Application, File No. 49,730 submitted by Darren Irons. The change in PU and New App are creating a complete overlap with each other to include the SW¼ of his property. Let me know if you need additional information.

Thanks,

Austin McColloch  
Environmental Scientist  
Ph: (785) 564-6643

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

April 4, 2017

**FILE COPY**

SKAGGS, LARRY E JR & AMY J  
1683 E 30TH ST S  
OXFORD, KS 67119

Re: New Application, File No. 49,730  
Change Application, File No. 48,657

Dear Sir or Madam:

This is to advise you that Darren Irons has filed the application referred to above for permit to appropriate 201.5 acre-feet of water per calendar year for irrigation use to be diverted at a maximum rate of 800 gallons per minute from a battery of wells with a geographic center located as follows:

a battery of four (4) wells a geographic center located in the Northeast Quarter of the Northeast Quarter of the Southeast Quarter (NE $\frac{1}{4}$  NE $\frac{1}{4}$  SE $\frac{1}{4}$ ) of Section 27, more particularly described as being near a point 2,015 feet North and 576 feet West of the Southeast corner of said section, in Township 32 South, Range 2 East, Sumner County, Kansas.

Darren Irons has also filed with the Division of Water Resources, Kansas Department of Agriculture, an application to change the place of use pursuant to Appropriation of Water, File No. 48,657. The applicant proposes to change the authorized place of use from 160 acres in Section 27, Township 32 South, Range 2 East to 315 acres in Section 27, Township 32 South, Range 2 East, Sumner County, Kansas.

A copy of an aerial photograph depicting the location of the proposed point of diversion and place of use is also enclosed. 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(s) of the applicant's point(s) 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, please contact me at (785) 564-6643. If you call, please reference the file number so we can help you more efficiently.

Sincerely,

Austin J. McColloch  
Environmental Scientist  
Water Appropriation Program

Enclosure(s)  
pc: Stafford Field Office

**SCANNED**

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



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

Jackie McClaskey, Secretary

Governor Sam Brownback

April 4, 2017

**FILE COPY**

EDWARDS, DONALDA R; REV TR  
3820 ATHENIAN ST  
WICHITA KS 67204

Re: New Application, File No. 49,730  
Change Application, File No. 48,657

Dear Sir or Madam:

This is to advise you that Darren Irons has filed the application referred to above for permit to appropriate 201.5 acre-feet of water per calendar year for irrigation use to be diverted at a maximum rate of 800 gallons per minute from a battery of wells with a geographic center located as follows:

a battery of four (4) wells a geographic center located in the Northeast Quarter of the Northeast Quarter of the Southeast Quarter (NE $\frac{1}{4}$  NE $\frac{1}{4}$  SE $\frac{1}{4}$ ) of Section 27, more particularly described as being near a point 2,015 feet North and 576 feet West of the Southeast corner of said section, in Township 32 South, Range 2 East, Sumner County, Kansas.

Darren Irons has also filed with the Division of Water Resources, Kansas Department of Agriculture, an application to change the place of use pursuant to Appropriation of Water, File No. 48,657. The applicant proposes to change the authorized place of use from 160 acres in Section 27, Township 32 South, Range 2 East to 315 acres in Section 27, Township 32 South, Range 2 East, Sumner County, Kansas.

A copy of an aerial photograph depicting the location of the proposed point of diversion and place of use is also enclosed. 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(s) of the applicant's point(s) 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, please contact me at (785) 564-6643. If you call, please reference the file number so we can help you more efficiently.

Sincerely,

Austin J. McColloch  
Environmental Scientist  
Water Appropriation Program

Enclosure(s)  
pc: Stafford Field Office

**SCANNED**

Jackie McClaskey, Secretary

Governor Sam Brownback

April 4, 2017

**FILE COPY**

NOFSINGER-WIENS, CHRYLE; ETAL  
11110 W CORNELISON ST  
WICHITA KS 67212

Re: New Application, File No. 49,730  
Change Application, File No. 48,657

Dear Sir or Madam:

This is to advise you that Darren Irons has filed the application referred to above for permit to appropriate 201.5 acre-feet of water per calendar year for irrigation use to be diverted at a maximum rate of 800 gallons per minute from a battery of wells with a geographic center located as follows:

a battery of four (4) wells a geographic center located in the Northeast Quarter of the Northeast Quarter of the Southeast Quarter (NE $\frac{1}{4}$  NE $\frac{1}{4}$  SE $\frac{1}{4}$ ) of Section 27, more particularly described as being near a point 2,015 feet North and 576 feet West of the Southeast corner of said section, in Township 32 South, Range 2 East, Sumner County, Kansas.

Darren Irons has also filed with the Division of Water Resources, Kansas Department of Agriculture, an application to change the place of use pursuant to Appropriation of Water, File No. 48,657. The applicant proposes to change the authorized place of use from 160 acres in Section 27, Township 32 South, Range 2 East to 315 acres in Section 27, Township 32 South, Range 2 East, Sumner County, Kansas.

A copy of an aerial photograph depicting the location of the proposed point of diversion and place of use is also enclosed. 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(s) of the applicant's point(s) 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, please contact me at (785) 564-6643. If you call, please reference the file number so we can help you more efficiently.

Sincerely,



Austin J. McColloch  
Environmental Scientist  
Water Appropriation Program

Enclosure(s)  
pc: Stafford Field Office

SCANNED

AMOUNT STATISTICS REPORT FOR POINTS OF DIVERSION UNDER A 49730 00

#####

AMOUNT STATISTICS REPORT FOR POINTS OF DIVERSION UNDER A 49730 00 IRR

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

2015 Feet North and 576 Feet West of the Southeast Corner of Section 27 T 32S R 2E

GROUNDWATER ONLY

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=====
File Number   Use ST SR Dist (ft) Q4 Q3 Q2 Q1 FeetN FeetW Sec Twp Rng ID Batt Auth_Quan Add_Quan Unit
A__ 48657 00 IRR KE G*      0 -- NE NE SE 2015 576 27 32 2E 1 G 4 208.00 208.00 AF
Same          85 -- NE NE SE 2040 495 27 32 2E 2 B 4
Same        284 -- NE NE SE 2290 645 27 32 2E 3 B 4
Same        289 -- SE NE SE 1790 395 27 32 2E 4 B 4
Same        208 -- SW NE SE 1940 770 27 32 2E 5 B 4
A__ 48827 00 IRR KE G      5889 -- NW NW SE 2330 2355 22 32 2E 1 G 4 208.00 208.00 AF
Same        6154 -- NW NW SE 2540 2565 22 32 2E 2 B 4
Same        6032 -- NW NW SE 2540 2145 22 32 2E 3 B 4
Same        5758 -- NW NW SE 2120 2565 22 32 2E 4 B 4
Same        5627 -- NW NW SE 2120 2145 22 32 2E 5 B 4
A__ 49730 00 IRR AY G      0 -- NE NE SE 2015 576 27 32 2E 1 G 4 201.50 201.50 AF
Same        85 -- NE NE SE 2040 495 27 32 2E 2 B 4
Same        284 -- NE NE SE 2290 645 27 32 2E 3 B 4
Same        289 -- SE NE SE 1790 395 27 32 2E 4 B 4
Same        208 -- SW NE SE 1940 770 27 32 2E 5 B 4
=====

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Total Net Quantities Authorized:   Direct      Storage
Total Requested Amount (AF) =      201.50          .00
Total Permitted Amount (AF) =      416.00          .00
Total Inspected Amount (AF) =         .00          .00
Total Pro_Cert Amount (AF) =         .00          .00
Total Certified Amount (AF) =         .00          .00
Total Vested Amount (AF) =          .00          .00
TOTAL AMOUNT (AF) =          617.50          .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:

2015 Feet North and 576 Feet West of the Southeast Corner of Section 27 T 32S R 2E

GROUNDWATER ONLY

WATER USE CORRESPONDENTS:

```

=====
File Number   Use ST SR
A__ 48657 00 IRR KE G
> ANGELA IRONS
>
> 2001 WORTHINGTON LN
> EDMOND OK 73013
>-----
A__ 48827 00 IRR KE G
> EMANUEL LLC
> DON IRONS
=====

```

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

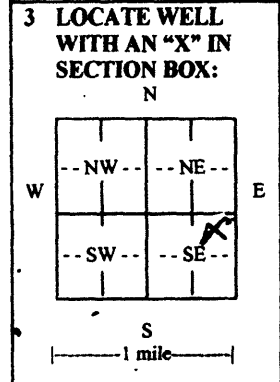
48,657

<b>1 LOCATION OF WATER WELL:</b> County: Sumner	Fraction 1/4 NE 1/4 NE 1/4 SE 1/4	Section Number 27	Township No. T 32 S	Range Number R 2 <input checked="" type="checkbox"/> E <input type="checkbox"/> W
--	--------------------------------------	----------------------	------------------------	--

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here   
E. 40th and N River Rd. HOLE #2 NORTHWEST

**Global Positioning System (GPS) information:**  
Latitude: ..... (in decimal degrees)  
Longitude: ..... (in decimal degrees)  
Elevation: .....  
Datum:  WGS 84,  NAD 83,  NAD 27  
Collection Method:  
 GPS unit (Make/Model: .....)  
 Digital Map/Photo,  Topographic Map,  Land Survey  
Est. Accuracy:  <3 m,  3-5 m,  5-15 m,  >15 m

**2 WATER WELL OWNER:** Angela Irons  
RR#, Street Address, Box #: 2420 Woodruff Rd.  
City, State, ZIP Code : Edmond, OK 73013



**4 DEPTH OF COMPLETED WELL** 55 ..... ft.  
Depth(s) Groundwater Encountered (1) 23 ..... ft. (2) ..... ft. (3) ..... ft.  
WELL'S STATIC WATER LEVEL 23 ..... ft. below land surface measured on mo/day/yr.....  
Pump test data: Well water was ..... ft. after ..... hours pumping ..... gpm  
EST. YIELD 350 ..... gpm. Well water was ..... ft. after ..... hours pumping ..... gpm  
Bore Hole Diameter 30 ..... in. to 55 ..... ft., and ..... in. to ..... ft.  
WELL WATER TO BE USED AS:  Public water supply  Geothermal  Injection well  
 Domestic  Feedlot  Oil field water supply  Dewatering  Other (Specify below)  
 Irrigation  Industrial  Domestic-lawn & garden  Monitoring well  
Was a chemical/bacteriological sample submitted to Department?  Yes  No  
If yes, mo/day/yr sample was submitted.....  
Water well disinfected?  Yes  No

**5 TYPE OF CASING USED:**  Steel  PVC  Other .....  
CASING JOINTS:  Glued  Clamped  Welded  Threaded  
Casing diameter .16 ..... in. to .55 ..... ft., Diameter ..... in. to ..... ft., Diameter ..... in. to ..... ft.  
Casing height above land surface .12 ..... in., Weight .16 ..... lbs./ft., Wall thickness or gauge No. SCH40  
TYPE OF SCREEN OR PERFORATION MATERIAL:  
 Steel  Stainless Steel  PVC  Other (Specify) .....  
 Brass  Galvanized Steel  None used (open hole)  
SCREEN OR PERFORATION OPENINGS ARE:  
 Continuous slot  Mill slot  Gauze wrapped  Forch cut  Drilled holes  None (open hole)  
 Louvered shutter  Key punched  Wire wrapped  Saw cut  Other (specify) .....  
SCREEN-PERFORATED INTERVALS: From 35 ..... ft. to 55 ..... ft., From ..... ft. to ..... ft.  
From ..... ft. to ..... ft., From ..... ft. to ..... ft.  
GRAVEL PACK INTERVALS: From 20 ..... ft. to 55 ..... ft., From ..... ft. to ..... ft.  
From ..... ft. to ..... ft., From ..... ft. to ..... ft.

**6 GROUT MATERIAL:**  Neat cement  Cement grout  Bentonite  Other .....  
Grout Intervals: From 3 ..... ft. to 20 ..... ft., From ..... ft. to ..... ft., From ..... ft. to ..... ft.  
What is the nearest source of possible contamination:  
 Septic tank  Lateral lines  Pit privy  Livestock pens  Insecticide storage  Other (specify below)  
 Sewer lines  Cesspool  Sewage lagoon  Fuel storage  Abandoned water well  
 Watertight sewer lines  Seepage pit  Feedyard  Fertilizer storage  Oil well/gas well NONE-OPEN FIELD  
Direction from well ..... Distance from well .....

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	22	Clay			
22	51	Medium Sand to Coarse Sand			
51	55	Shale			

WATER RESOURCES RECEIVED  
NOV 14 2016  
KS DEPT OF AGRICULTURE

**7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION:** This water well was  constructed,  reconstructed, or  plugged under my jurisdiction and was completed on (mo/day/year) 09/28/2015.... and this record is true to the best of my knowledge and belief.  
Kansas Water Well Contractor's License No. 238..... This Water Well Record was completed on (mo/day/year) 09/30/2015.....  
under the business name of Premier Pump & Well Service, Inc..... by (signature) *Mannerella*.....  
INSTRUCTIONS: Use typewriter or ball point pen. PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks and check the correct answers. Send one copy to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Telephone 785-296-5524. Send one copy to WATER WELL OWNER and retain one for your records. Include fee of \$5.00 for each constructed well. Visit us at <http://www.kdheks.gov/waterwell/index.html>

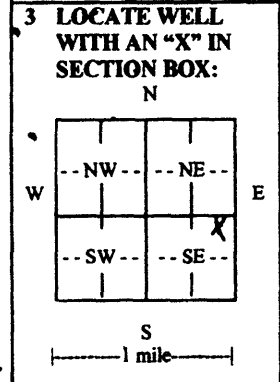
WATER WELL RECORD Form WWC-5 Division of Water Resources App. No.

1 LOCATION OF WATER WELL: County: Sumner Fraction 1/4 NE 1/4 NE 1/4 SE 1/4 Section Number 27 Township No. T 32 S Range Number R 2 [X]E [ ]W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here [ ]. E 40th and N River Rd HOLE #5 NORTHEAST

2 WATER WELL OWNER: Angela Irons RR#, Street Address, Box #: 2420 Woodruff Rd City, State, ZIP Code : Edmond, OK 73013

Global Positioning System (GPS) information: Latitude: Longitude: Elevation: Datum: [ ] WGS 84, [ ] NAD 83, [ ] NAD 27 Collection Method: [ ] GPS unit (Make/Model: [ ] Digital Map/Photo, [ ] Topographic Map, [ ] Land Survey Est. Accuracy: [ ] <3 m, [ ] 3-5 m, [ ] 5-15 m, [ ] >15 m



3 LOCATE WELL WITH AN 'X' IN SECTION BOX: 4 DEPTH OF COMPLETED WELL 55 ft. Depth(s) Groundwater Encountered (1) 23 ft. (2) ft. (3) ft. WELL'S STATIC WATER LEVEL 23 ft. below land surface measured on mo/day/yr. Pump test data: Well water was ft. after hours pumping gpm EST. YIELD 350 gpm. Well water was ft. after hours pumping gpm Bore Hole Diameter 30 in. to 55 ft., and in. to ft. WELL WATER TO BE USED AS: [ ] Public water supply [ ] Geothermal [ ] Injection well [ ] Domestic [ ] Feedlot [ ] Oil field water supply [ ] Dewatering [ ] Other (Specify below) [X] Irrigation [ ] Industrial [ ] Domestic-lawn & garden [ ] Monitoring well Was a chemical/bacteriological sample submitted to Department? [ ] Yes [X] No If yes, mo/day/yr sample was submitted. Water well disinfected? [X] Yes [ ] No

5 TYPE OF CASING USED: [ ] Steel [X] PVC [ ] Other CASING JOINTS: [X] Glued [ ] Clamped [ ] Welded [ ] Threaded Casing diameter .16 in. to .55 ft., Diameter in. to ft., Diameter in. to ft. Casing height above land surface .12 in., Weight .16 lbs./ft., Wall thickness or gauge No. SCH40 TYPE OF SCREEN OR PERFORATION MATERIAL: [ ] Steel [ ] Stainless Steel [X] PVC [ ] Other (Specify) [ ] Brass [ ] Galvanized Steel [ ] None used (open hole) SCREEN OR PERFORATION OPENINGS ARE: [ ] Continuous slot [ ] Mill slot [ ] Gauze wrapped [ ] Torch cut [ ] Drilled holes [ ] None (open hole) [ ] Louvered shutter [ ] Key punched [ ] Wire wrapped [X] Saw cut [ ] Other (specify) SCREEN-PERFORATED INTERVALS: From .35 ft. to .55 ft., From ft. to ft. From ft. to ft., From ft. to ft. GRAVEL PACK INTERVALS: From .20 ft. to .55 ft., From ft. to ft. From ft. to ft., From ft. to ft.

6 GROUT MATERIAL: [ ] Neat cement [ ] Cement grout [X] Bentonite [ ] Other Grout Intervals: From .3 ft. to .20 ft., From ft. to ft., From ft. to ft., From ft. to ft. What is the nearest source of possible contamination: [ ] Septic tank [ ] Lateral lines [ ] Pit privy [ ] Livestock pens [ ] Insecticide storage [X] Other (specify below) [ ] Sewer lines [ ] Cesspool [ ] Sewage lagoon [ ] Fuel storage [ ] Abandoned water well [ ] Watertight sewer lines [ ] Seepage pit [ ] Feedyard [ ] Fertilizer storage [ ] Oil well/gas well NONE-OPEN FIELD Direction from well Distance from well

Table with columns: FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Rows: 0-25 Clay, 25-50 Medium Sand to Coarse Sand, 50-55 Shale. Includes 'WATER RESOURCES RECEIVED' and 'NOV 14 2016' stamp.

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was [X] constructed, [ ] reconstructed, or [ ] plugged under my jurisdiction and was completed on (mo/day/year) 09/29/2015.... and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 238..... This Water Well Record was completed on (mo/day/year) 09/30/2015..... under the business name of Premier Pump & Well Service, Inc..... by (signature).....

INSTRUCTIONS: Use typewriter or ball point pen. PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks and check the correct answers. Send one copy to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Telephone 785-296-5524. Send one copy to WATER WELL OWNER and retain one for your records. Include fee of \$5.00 for each constructed well. Visit us at http://www.kdheks.gov/waterwell/index.html



WATER WELL RECORD

Form WWC-5

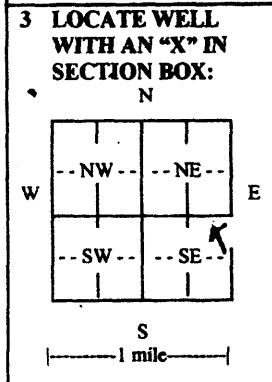
Division of Water Resources App. No.

1 LOCATION OF WATER WELL: County: Sumner Fraction 1/4 NE 1/4 NW 1/4 SE 1/4 Section Number 27 Township No. T 32 S Range Number R 2 E W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: E. 40th and N River Rd. HOLE #1 CENTER 40th

2 WATER WELL OWNER: Angela Irons RR#, Street Address, Box #: 2420 Woodruff Rd City, State, ZIP Code : Edmond. OK 73013

Global Positioning System (GPS) information: Latitude: Longitude: Elevation: Datum: Collection Method: Est. Accuracy:



3 LOCATE WELL WITH AN 'X' IN SECTION BOX: 4 DEPTH OF COMPLETED WELL 51 ft. Depth(s) Groundwater Encountered (1) 23 ft. (2) ft. (3) ft. WELL'S STATIC WATER LEVEL 23 ft. below land surface measured on mo/day/yr. Pump test data: Well water was ft. after hours pumping gpm EST. YIELD 350 gpm. Well water was ft. after hours pumping gpm Bore Hole Diameter 30 in. to 51 ft., and in. to ft. WELL WATER TO BE USED AS: Public water supply Geothermal Injection well Domestic Feedlot Oil field water supply Dewatering Other (Specify below) Irrigation Industrial Domestic-lawn & garden Monitoring well Was a chemical/bacteriological sample submitted to Department? Yes No If yes, mo/day/yr sample was submitted. Water well disinfected? Yes No

5 TYPE OF CASING USED: Steel PVC Other CASING JOINTS: Glued Clamped Welded Threaded Casing diameter .16 in. to .51 ft., Diameter in. to ft., Diameter in. to ft. Casing height above land surface .12 in., Weight .16 lbs./ft., Wall thickness or gauge No. SCH40 TYPE OF SCREEN OR PERFORATION MATERIAL: Steel Stainless Steel PVC Other (Specify) Brass Galvanized Steel None used (open hole) SCREEN OR PERFORATION OPENINGS ARE: Continuous slot Mill slot Gauze wrapped Torch cut Drilled holes None (open hole) Louvered shutter Key punched Wire wrapped Saw cut Other (specify) SCREEN-PERFORATED INTERVALS: From 31 ft. to 51 ft., From ft. to ft. From ft. to ft. GRAVEL PACK INTERVALS: From 20 ft. to 51 ft., From ft. to ft. From ft. to ft.

6 GROUT MATERIAL: Neat cement Cement grout Bentonite Other Grout intervals: From 3 ft. to 20 ft., From ft. to ft., From ft. to ft. What is the nearest source of possible contamination: Septic tank Lateral lines Pit privy Livestock pens Insecticide storage Other (specify below) Sewer lines Cesspool Sewage lagoon Fuel storage Abandoned water well NONE-OPEN FIELD Watertight sewer lines Seepage pit Feedyard Fertilizer storage Oil well/gas well Direction from well Distance from well

Table with columns: FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Rows include Clay, Medium Sand to Coarse Sand, and Shale. Includes text: WATER RESOURCES RECEIVED NOV 14 2016 KS DEPT OF AGRICULTURE

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was constructed, reconstructed, or plugged under my jurisdiction and was completed on (mo/day/year) 09/28/2015 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 238 This Water Well Record was completed on (mo/day/year) 09/30/2015 under the business name of Premier Pump & Well Service, Inc. by (signature) Monica Hill

INSTRUCTIONS: Use typewriter or ball point pen. PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks and check the correct answers. Send one copy to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Telephone 785-296-5524. Send one copy to WATER WELL OWNER and retain one for your records. Include fee of \$5.00 for each constructed well. Visit us at http://www.kdheks.gov/waterwell/index.html

**WATER WELL RECORD**

**Form WWC-5**

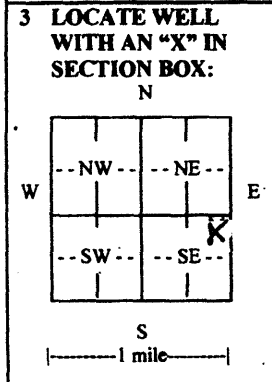
Division of Water Resources App. No.

<b>1 LOCATION OF WATER WELL:</b> County: Sumner	Fraction 1/4 NE 1/4 NE 1/4 SE 1/4	Section Number 27	Township No. T 32 S	Range Number R 2 <input checked="" type="checkbox"/> E <input type="checkbox"/> W
--	--------------------------------------	----------------------	------------------------	--

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here .  
E. 40th and N River Rd. HOLE #4 SOUTHEAST

**Global Positioning System (GPS) information:**  
Latitude: ..... (in decimal degrees)  
Longitude: ..... (in decimal degrees)  
Elevation: .....  
Datum:  WGS 84,  NAD 83,  NAD 27  
Collection Method:  
 GPS unit (Make/Model: .....)  
 Digital Map/Photo,  Topographic Map,  Land Survey  
Est. Accuracy:  <3 m,  3-5 m,  5-15 m,  >15 m

**2 WATER WELL OWNER:** Angela Irons  
RR#, Street Address, Box #: 2420 Woodruff Rd  
City, State, ZIP Code : Edmond, OK 73013



**4 DEPTH OF COMPLETED WELL 58** ..... ft.  
Depth(s) Groundwater Encountered (1) 23 ..... ft. (2) ..... ft. (3) ..... ft.  
WELL'S STATIC WATER LEVEL 23 ..... ft. below land surface measured on mo/day/yr.....  
Pump test data: Well water was ..... ft. after ..... hours pumping ..... gpm  
EST. YIELD 350 ..... gpm. Well water was ..... ft. after ..... hours pumping ..... gpm  
Bore Hole Diameter 30 ..... in. to 58 ..... ft., and ..... in. to ..... ft.  
WELL WATER TO BE USED AS:  Public water supply  Geothermal  Injection well  
 Domestic  Feedlot  Oil field water supply  Dewatering  Other (Specify below)  
 Irrigation  Industrial  Domestic-lawn & garden  Monitoring well .....  
Was a chemical/bacteriological sample submitted to Department?  Yes  No  
If yes, mo/day/yr sample was submitted.....  
Water well disinfected?  Yes  No

**5 TYPE OF CASING USED:**  Steel  PVC  Other .....  
CASING JOINTS:  Glued  Clamped  Welded  Threaded  
Casing diameter 16 ..... in. to 58 ..... ft., Diameter ..... in. to ..... ft., Diameter ..... in. to ..... ft.  
Casing height above land surface 12 ..... in., Weight 16 ..... lbs./ft., Wall thickness or gauge No. SCH40

**TYPE OF SCREEN OR PERFORATION MATERIAL:**  
 Steel  Stainless Steel  PVC  Other (Specify) .....  
 Brass  Galvanized Steel  None used (open hole)

**SCREEN OR PERFORATION OPENINGS ARE:**  
 Continuous slot  Mill slot  Gauze wrapped  Torch cut  Drilled holes  None (open hole)  
 Louvered shutter  Key punched  Wire wrapped  Saw cut  Other (specify) .....

**SCREEN-PERFORATED INTERVALS:** From 38 ..... ft. to 58 ..... ft., From ..... ft. to ..... ft.  
From ..... ft. to ..... ft., From ..... ft. to ..... ft.

**GRAVEL PACK INTERVALS:** From 20 ..... ft. to 58 ..... ft., From ..... ft. to ..... ft.  
From ..... ft. to ..... ft., From ..... ft. to ..... ft.

**6 GROUT MATERIAL:**  Neat cement  Cement grout  Bentonite  Other .....  
Grout Intervals: From 3 ..... ft. to 20 ..... ft., From ..... ft. to ..... ft., From ..... ft. to ..... ft.

What is the nearest source of possible contamination:  
 Septic tank  Lateral lines  Pit privy  Livestock pens  Insecticide storage  Other (specify below)  
 Sewer lines  Cesspool  Sewage lagoon  Fuel storage  Abandoned water well  
 Watertight sewer lines  Seepage pit  Feedyard  Fertilizer storage  Oil well/gas well **NONE-OPEN FIELD**

Direction from well ..... Distance from well .....

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	21	Clay			
21	52	Medium Sand to Coarse Sand			
52	54	Fine Sand			
54	56	Medium Sand to Coarse Sand			
56	58	Shale			

**7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION:** This water well was  constructed,  reconstructed, or  plugged under my jurisdiction and was completed on (mo/day/year) 09/28/2015 ..... and this record is true to the best of my knowledge and belief.  
Kansas Water Well Contractor's License No. 238 ..... This Water Well Record was completed on (mo/day/year) 09/30/2015 .....  
under the business name of Premier Pump & Well Service, Inc. .... by (signature) *IVONNE E. HILL* .....

**INSTRUCTIONS:** Use typewriter or ball point pen. PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks and check the correct answers. Send one copy to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Telephone 785-296-5524. Send one copy to WATER WELL OWNER and retain one for your records. Include fee of \$5.00 for each constructed well. Visit us at <http://www.kdheks.gov/waterwell/index.html>

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
<del>Artesian</del> NALIM (0-1%)	4.5		
NALIM (1-3%)	0.7%		
BETHANY (0-1%)	38.5%		
BETHANY (1-3%)	56.3%		
Total:	100%		

b. Estimate the average land slope in the field(s): 1-2 %

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:

N/A

ii. For sprinkler systems:

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

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

WHEAT, DOUBLE CROP BEANS, CORN

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).

WE WILL IRRIGATE UPTO 1.3 ACRE FOOT, RUNNING WHEN ADDITIONAL WATER IS BENEFICIAL FOR CROP PRODUCTION.

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

WATER RESOURCES RECEIVED

NOV 14 2016

SCANNED

WATER RESOURCES  
RECEIVED

APR 07 2017

KS DEPT OF AGRICULTURE

APRIL 3, 2017

(Date)

Kansas Department of Agriculture  
Division of Water Resources  
David W. Barfield, Chief Engineer  
1320 Research Park Drive  
Manhattan, Kansas 66502

Re: Application  
File No. 49730

Minimum Desirable Streamflow

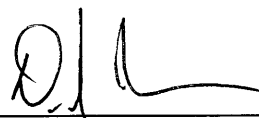
Dear Sir:

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

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

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

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

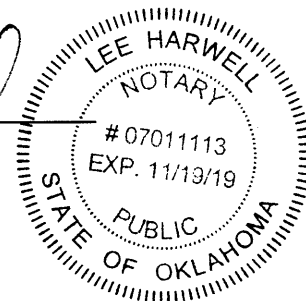


Signature of Applicant

DARREN S. IRONS  
(Print Applicant's Name)

OKLAHOMA  
State of Kansas )  
County of Oklahoma ) ss

I hereby certify that the foregoing instrument was signed in my presence and sworn to before me this 3rd day of April, 2017.

  
Notary Public

My Commission Expires: 11-19-19

**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

WATER RESOURCES  
RECEIVED

APR 07 2017

KS DEPT OF AGRICULTURE

SCANNED

November 16, 2016

DARREN IRONS  
2001 WORTHINGTON LAND  
EDMOND OK 73013

**FILE COPY**

RE: Application  
File No. 49730

Dear Sir or Madam:

Your application for permit to appropriate water in 27-32S-2E in Sumner 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) 564-6645. 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 cursive script that reads "Brent A. Turney".

Brent A Turney, P.G.  
Change Application Unit Supervisor  
Water Appropriation Program

BAT: dlw  
pc: STAFFORD Field Office  
GMD

SCANNED