

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>50,106</b></p>  | 2. Status Change Date:<br><p style="text-align: center; font-size: 1.2em;"><b>11/2/2018</b></p>   | 3. Field Office:<br><p style="text-align: center; font-size: 1.2em;"><b>1</b></p> | 4. GMD:<br><p style="text-align: center; font-size: 1.2em;"><b>0</b></p> |
| 5. Status: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied by DWR/GMD <input type="checkbox"/> Dismiss by Request/Failure to Return   |   |   |  |
| 6. Enclosures: <input checked="" type="checkbox"/> Check Valve <input checked="" type="checkbox"/> N of C Form <input checked="" type="checkbox"/> Water Tube <input checked="" type="checkbox"/> Driller Copy <input checked="" type="checkbox"/> Meter   |   |   |  |
| <p>7a. Applicant(s)                      Person ID <b>21684</b><br/>New to system <input type="checkbox"/>                      Add Seq# _____</p> <p><b>JESSEE LIVING TRUST</b><br/><b>RICK JESSEE</b><br/><b>6878 SE HIGHWAY 160</b><br/><b>COLUMBUS KS 66725-2387</b></p>   | <p>7c. Landowner(s)                      Person ID <b>66243</b><br/>New to system <input type="checkbox"/>                      Add Seq# _____</p> <p><b>TRACY E &amp; KIMBERLY K BROWN</b><br/><b>5248 SE HWY 160</b><br/><b>COLUMBUS KS 66725</b></p>   |   |  |
| <p>7b. Landowner(s)                      Person ID _____<br/>New to system <input type="checkbox"/>                      Add Seq# _____</p> <p><b>7a.</b></p>  | <p>7d. Landowner(s)                      Person ID <b>66242</b><br/>New to system <input type="checkbox"/>                      Add Seq# _____</p> <p><b>IVAN JR &amp; BETTY LOU CROSSLAND</b><br/><b>PO BOX 45</b><br/><b>COLUMBUS KS 66725</b></p>  |   |  |
| <p>8. WUR Correspondent                      Person ID _____<br/>New to system <input type="checkbox"/>                      Add Seq# _____<br/>Overlap File (s) WUC                      Notarized WUC Form <input type="checkbox"/><br/>Agree <input type="checkbox"/> Yes <input type="checkbox"/> No</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: _____</p> <p><input type="checkbox"/> OTHER: _____</p> |   |  |
| 10. Completion Date: <b>12/31/2019</b> 11. Perfection Date: <b>12/31/2023</b> 12. Exp Date: _____  |   |   |  |
| 13. Conservation Plan Required? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                      Date Required: _____ Date Approved: _____   |   |   |  |
| 14. Water Level Measuring Device? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date to Comply: _____ Date WLMD Installed: _____   |   |   |  |
| Date Prepared: <b>9/24/2018</b> By: <b>DWS</b><br>Date Entered: <b>11/5/2018</b> By: <b>UM</b>   |   |   |  |

File No. **50,106**      15. Formation Code:890      Drainage Basin: Spring River      County: CK      Special Use:      Stream:

| 16. Points of Diversion |       |           |    |    |     |    |      |      |  |
|-------------------------|-------|-----------|----|----|-----|----|------|------|--|
| T<br>MOD<br>DEL<br>ENT  | PDIV  | Qualifier | S  | T  | R   | ID | 'N   | W    |  |
| √                       | 87014 | NE NW NE  | 13 | 33 | 24E | 1  | 5130 | 1720 |  |
|                         |       |           |    |    |     |    |      |      |  |
|                         |       |           |    |    |     |    |      |      |  |
|                         |       |           |    |    |     |    |      |      |  |
|                         |       |           |    |    |     |    |      |      |  |

| 17. Rate and Quantity |                |             |                |                  |
|-----------------------|----------------|-------------|----------------|------------------|
| Authorized            |                | Additional  |                |                  |
| Rate<br>gpm           | Quantity<br>af | Rate<br>gpm | Quantity<br>af | Overlap PD Files |
| 3000                  | 640            | 3000        | 640            | NONE             |
|                       |                |             |                |                  |
|                       |                |             |                |                  |
|                       |                |             |                |                  |
|                       |                |             |                |                  |

18. Storage: Rate \_\_\_\_\_ NF      Quantity \_\_\_\_\_ ac/ft      Additional Rate \_\_\_\_\_ NF      Additional Quantity \_\_\_\_\_ ac/ft

19. Limitation: \_\_\_\_\_ mg/y at \_\_\_\_\_ gpm ( \_\_\_\_\_ cfs) when combined with file number(s) \_\_\_\_\_  
 Limitation: \_\_\_\_\_ af/yr at \_\_\_\_\_ gpm ( \_\_\_\_\_ cfs) when combined with file number(s) \_\_\_\_\_

20. Meter Required?  Yes     No      To be installed by **12/31/2019**      Date Acceptable Meter Installed \_\_\_\_\_

| 21. Place of Use       |       |    |    |     |    |    | NE¼     |         |         |         | NW¼     |         |         |         | SW¼     |         |         |         | SE¼     |         |         |         | Total | Owner | Chg? NO | Overlap Files |  |
|------------------------|-------|----|----|-----|----|----|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------|-------|---------|---------------|--|
| T<br>MOD<br>DEL<br>ENT | PUSE  | S  | T  | R   | ID |    | NE<br>¼ | NW<br>¼ | SW<br>¼ | SE<br>¼ | NE<br>¼ | NW<br>¼ | SW<br>¼ | SE<br>¼ | NE<br>¼ | NW<br>¼ | SW<br>¼ | SE<br>¼ | NE<br>¼ | NW<br>¼ | SW<br>¼ | SE<br>¼ |       |       |         |               |  |
| √                      | 69056 | 12 | 33 | 24E | 1  |    |         |         |         |         |         |         |         | 40      |         |         |         |         |         |         |         |         | 40    | 7a.   | NO      | NONE          |  |
| √                      | 69055 | 13 | 33 | 24E | 1  | 40 | 40      | 40      | 40      |         |         |         |         | 40      | 40      |         |         |         |         |         |         |         | 240   | 7a.   | NO      | NONE          |  |
| √                      | 69059 | 13 | 33 | 24E | 2  |    |         |         |         | 40      |         | 40      | 40      |         |         |         |         |         |         |         |         |         | 120   | 7c.   | NO      | NONE          |  |
| √                      | 69057 | 18 | 33 | 25E | 2  |    | 40      | 40      |         |         |         |         |         |         |         |         |         |         |         |         |         |         | 80    | 7a.   | NO      | NONE          |  |
| √                      | 69058 | 18 | 33 | 25E | 3  |    |         |         |         | 40      | 40      | 40      | 40      |         |         |         |         |         |         |         |         |         | 160   | 7d.   | NO      | NONE          |  |
|                        |       |    |    |     |    |    |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |       |         |               |  |

Comments:

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

**TO:** Files

**DATE:** September 24, 2018

**FROM:** Doug Schemm

**RE:** Application, File No. 50,106

Rick Jessee has filed the referenced new application to appropriate groundwater from a proposed well, located in the Northeast Quarter of Section 13, in Township 33 South, Range 24 East, Cherokee County, within the Spring River Drainage Basin. The application is requesting 640 acre-feet of water to be diverted at 3,000 gallons per minute, to irrigate 640 acres. The applicant owns a portion of the place of use (360 acres), while the remaining portions are owned by Ivan & Betty Lou Crossland and Tracy and Kimberly Brown. The applicant has signed the application form stating he has access to the point of diversion. The quantity of water requested is equivalent to 1.0 acre-feet per acre, which is the maximum allowable quantity for irrigation in Cherokee County per K.A.R. 5-3-19.

The applicant did not identify any wells within one-half mile on the application. A review of aerial photographs also indicates there are no nearby residences or other potential domestic users. The WRIS database shows there are three other permitted wells within the 2-mile circle, with the nearest well (File No. 48,938-owned by the applicant) located over 4,800 feet away. No nearby well owner letters are required, and the application complies with minimum well spacing criteria. The proposed point of diversion meets spacing to all existing wells per K.A.R. 5-4-4 for all other aquifers. The nearest possible domestic well is over 3,000 feet away.

No well log was submitted with the application, however other nearby well logs (including File No. 48,938) indicates that the source of water will be the Ozark Plateaus aquifer system (890). This nearby well was completed to a total depth of 1000 feet below ground surface. The lithology is primarily alternating layers of limestone and sandstone. It appears the limestone layers at depths of 560 feet and 860 feet below ground are the key water producing layers. Per K.A.R. 5-3-29 a study was completed in order to determine the safe yield of the Ozark Plateaus aquifer system. The U.S. Geological Survey (USGS) in cooperation with the Kansas Water Office (KWO) completed a Groundwater Flow model of the Ozark Plateau aquifer system in 2009. Using MODFLOW software, the model was able to better assess the effects that increased water use is having on the long-term availability of groundwater within the Tri-State area. The Kansas Department of Agriculture, Division of Water Resources performed supplemental model runs utilizing the USGS model to determine the additional amount available to meet the safe yield of the Ozark aquifer. Safe yield for this area has been defined as no more than a 25 percent aquifer depletion rate over the next 100 years. Based on the modeling scenarios, the Ozark Plateaus aquifer system safe yield has been determined to be at least 36,000 acre-feet, or approximately three times the currently authorized amount.

A review of the two-mile circle area of consideration can ensure that safe yield of the aquifer is not being exceeded by a localized concentration of groundwater wells. For this pending application, there are five other water rights within the two mile circle, which have appropriated 415.11 acre-feet. Safe yield was determined to be 5,428.67 acre-feet. Although not directly applicable to the Ozark Plateaus aquifer system, safe yield quantity per K.A.R. 5-3-11 provides the **maximum allowable recharge** (8.1 inches) for the area of consideration, since a deeper confined aquifer would receive only a portion of the recharge that a shallow, unconfined aquifer would receive. If there is a significant quantity of water still remaining as determined by K.A.R. 5-3-11, then even with a considerable reduction in the amount of recharge reaching the confined aquifer there would still be sufficient water available. For this application the maximum recharge could be reduced to 2 inch of recharge (just 24% of the maximum) and there would still be sufficient water available. As noted above, there are only five other appropriations sourcing this aquifer system (authorized 415.11 acre-feet) within this area of consideration.

Rick Jessee  
File No. 50,106  
Page 2

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.

In a September 20, 2018 discussion, Katie Tietsort, Water Commissioner, Topeka Field Office, recommended approval of the referenced application. Based on the above discussion, well spacing and safe yield criteria are met, 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.

Douglas W. Schemm  
Environmental Scientist  
Topeka Field Office

STATE OF KANSAS

DEPARTMENT OF AGRICULTURE  
1320 RESEARCH PARK DRIVE  
MANHATTAN, KS 66502  
PHONE: (785) 564-6700  
FAX: (785) 564-6777



900 SW JACKSON, ROOM 456  
TOPEKA, KS 66612  
PHONE: (785) 296-3556  
www.agriculture.ks.gov

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

November 5, 2018 **FILE COPY**

JESSEE LIVING TRUST  
% RICK JESSEE  
6878 SE HIGHWAY 160  
COLUMBUS KS 66725-2387

Re: Appropriation of Water, File No. 50,106

Dear Mr. Jessee:

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. 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 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 originally set forth in the permit to complete diversion works or to perfect an appropriation. If for any reason, you require an extension of time, you must request it before the expiration of time set forth in this permit. Failure to comply with this regulation will result in the dismissal of your permit or your water right. Any request for an extension of time shall be accompanied by the required statutory fee, which is currently \$100.00. There is also enclosed an information sheet setting forth the procedure to obtain a Certificate of Appropriation which will establish the extent of your water 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  
Water Appropriation Program

KAB:dws  
Enclosures

pc: Topeka Field Office  
Tracy & Kimberly Brown  
Ivan & Betty Lou Crossland


  
 THE STATE OF KANSAS

**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. 50,106 of the applicant

**RICK JESSEE**  
**6878 SE HIGHWAY 160**  
**COLUMBUS KS 66725-2387**

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 17, 2018**.
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 |       |
| 12 33 24E       |     |     |     |     |     |     |     |     |     |     |     | 40  |     |     |     |     | 40    |
| 13 33 24E       | 40  | 40  | 40  | 40  | 40  |     | 40  | 40  |     | 40  | 40  |     |     |     |     |     | 360   |
| 18 33 25E       |     | 40  | 40  |     | 40  | 40  | 40  | 40  |     |     |     |     |     |     |     |     | 240   |

3. That the authorized source from which the appropriation shall be made is groundwater from the Ozark Aquifer, to be withdrawn by means of one (1) well located in the Northeast Quarter of the Northwest Quarter of the Northeast Quarter (NE¼ NW¼ NE¼) of Section 13, more particularly described as being near a point 5,130 feet North and 1,720 feet West of the Southeast corner of said section, in Township 33 South, Range 24 East, Cherokee 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 **3,000 gallons per minute** (6.68 c.f.s.) and to a quantity not to exceed **640 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, 2019** 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, 2023** 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 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 applicant shall submit to the Chief Engineer a copy of the well log required by the Kansas Department of Health and Environment under the authority of K.S.A. 82a-1212, currently form WWC-5, within 30 days following the drilling of the well at the location authorized herein.

**RIGHT TO A HEARING AND TO ADMINISTRATIVE REVIEW**

If you are aggrieved by this Order, then pursuant to K.S.A. 82a-1901, you may:

- 1) request an evidentiary hearing before the Chief Engineer, or
- 2) request administrative review by the Secretary of Agriculture.

Failure to request an evidentiary hearing before the Chief Engineer does not preclude your right to administrative review by the Secretary. To obtain an evidentiary hearing before the Chief Engineer, a written request for hearing must be filed within 15 days after service of this Order as provided in K.S.A. 77-531 (i.e., **within a total of 18 days after this Order was mailed to you**), with: Kansas Department of Agriculture, Attn: Legal Section, 1320 Research Park Drive, Manhattan, Kansas 66502, FAX (785) 564-6777.

If you do not file a request for an evidentiary hearing before the Chief Engineer, you may petition for administrative review of the Order by the Secretary of Agriculture. A petition for review shall be in writing and state the basis for requesting administrative review. The request for hearing may be denied if the request fails to clearly establish factual or legal issues for review. See K.S.A. 77-527. The petition must be filed within 30 days after service of this Order as provided in K.S.A. 77-531 (i.e., **within a total of 33 days after this Order was mailed to you**), and be filed with: Secretary of Agriculture, Attn: Legal Division, Kansas Department of Agriculture, 1320 Research Park Drive, Manhattan, Kansas 66502, FAX (785) 564-6777.

If neither a request for an evidentiary hearing nor a petition for administrative review is filed as set forth above, then this Order shall be effective and become a final agency action as defined in K.S.A. 77-607(b). Failure to timely request either an evidentiary hearing or administrative review may preclude further judicial review under the Kansas Judicial Review Act.

It is so ordered this 2nd day of November, 2018, in Manhattan, Riley County, Kansas.

*Lane P. Letourneau*

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

State of Kansas            )  
  ) SS  
County of Riley            )

The foregoing instrument was acknowledged before me this 2nd day of November, 2018, by Lane P. Letourneau, P.G., Program Manager, Division of Water Resources, Kansas Department of Agriculture.



*Danielle Wilson*

Notary Public



### CERTIFICATE OF SERVICE

On this 5<sup>th</sup> day of November, 2018, I hereby certify that the foregoing Approval of Application and Permit to Proceed, File No. 50,106, dated November 2, 2018 was mailed postage prepaid, first class, US mail to the following:

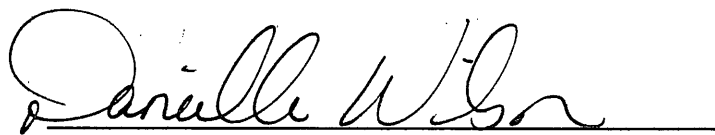
JESSEE LIVING TRUST  
RICK JESSEE  
6878 SE HIGHWAY 160  
COLUMBUS KS 66725-2387

With photocopies to:

TRACY E & KIMBERLY K BROWN  
5248 SE HWY 160  
COLUMBUS KS 66725

IVAN JR & BETTY LOU CROSSLAND  
PO BOX 45  
COLUMBUS KS 66725

Topeka Field Office



Division of Water Resources

THE STATE OF KANSAS



**KANSAS DEPARTMENT OF AGRICULTURE**  
Jackie McClaskey, Secretary of Agriculture

**DIVISION OF WATER RESOURCES**  
David W. Barfield, Chief Engineer  
Water Resources

File Number 50106  
This item to be completed by the Division of Water Resources.

Received  
**AUG 17 2018**  
11:44  
KS Dept Of Agriculture

APPLICATION COMPLETE  
9/20/18  
Reviewer KAB/DWS

**APPLICATION FOR PERMIT TO APPROPRIATE WATER FOR BENEFICIAL USE**

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

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

1. Name of Applicant (Please Print): Rick Jessee  
Address: 6878 SE Highway 160  
City: Columbus State KS Zip Code 66725  
Telephone Number: (620) 249-4897

2. The source of water is:  surface water in \_\_\_\_\_ (stream)  
OR  groundwater in Spring 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 640 acre-feet OR \_\_\_\_\_ gallons per calendar year, to be diverted at a maximum rate of 3,000 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>1</u>        | GMD <u>0</u>      | Meets K.A.R. 5-3-1 (YES/NO) | Use <u>IR</u>               | Source <u>G</u> S County <u>CK</u> | By <u>AW</u> Date <u>8/17/18</u> |
| Code <u>RES</u>      | Fee \$ <u>300</u> | TR # _____                  | Receipt Date <u>8/17/18</u> | Check # <u>2324</u>                |                                  |

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 NW quarter of the NE quarter of Section 13, more particularly described as being near a point 5130 feet North and 1720 feet West of the Southeast corner of said section, in Township 33 South, Range 24 East, Cherokee 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):

Same as applicant Rick Jessee 620-249-4897  
(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 \_\_\_\_\_, 20\_\_\_\_. Rick Jessee  
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 will be completed (by) 12/31/18  
(Month/Day/Year - each was or will be completed)

8. The first actual application of water for the proposed beneficial use was or is estimated to be 6/1/19  
(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 N/A
- If no, explain here why a Water Structures permit is not required N/A

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.

N/A  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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/Tenant  
(owner, tenant, agent or otherwise)

15. The owner(s) of the property where the water is used, if other than the applicant, is (please print):  
Ivan Jr & Betty Lou Crossland, PO Box 45, Columbus, KS 66725  
(name, address and telephone number)  
Brown, Tracy E Brown, Kimberly K, 5248 SE Highway 160, Columbus, KS 66725  
(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 \_\_\_\_\_, Kansas, this \_\_\_\_\_ day of \_\_\_\_\_  
(month) (year)

*Rich Jussee*  
(Applicant Signature)

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

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

Assisted by CF TFO - Parsons Date: 6/25/18  
(office/title)

Water Resources  
Received  
AUG 17 2018  
SCANNED  
KS Dept Of Agriculture

## IRRIGATION USE SUPPLEMENTAL SHEET

File No. 50100

Name of Applicant (Please Print): Rick Jessee

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: Jessee Living Trust

ADDRESS: 6878 SE Highway 160, Columbus, KS 66725

| S  | T   | R   | NE¼ |    |    |    | NW¼ |    |    |    | SW¼ |    |    |    | SE¼ |    |    |    | TOTAL      |     |
|----|-----|-----|-----|----|----|----|-----|----|----|----|-----|----|----|----|-----|----|----|----|------------|-----|
|    |     |     | NE  | NW | SW | SE | NE  | NW | SW | SE | NE  | NW | SW | SE | NE  | NW | SW | SE |            |     |
| 13 | 33S | 24E | 40  | 40 | 40 | 40 |     |    |    |    |     | 40 | 40 |    |     |    |    |    |            | 240 |
| 12 | 33S | 24E |     |    |    |    |     |    |    |    |     |    |    |    |     |    |    |    | 40         | 40  |
| 18 | 33S | 25E |     | 40 | 40 |    |     |    |    |    |     |    |    |    |     |    |    |    |            | 80  |
|    |     |     |     |    |    |    |     |    |    |    |     |    |    |    |     |    |    |    | <b>360</b> |     |

**Landowner of Record** NAME: Ivan Jr & Betty Lou Crossland

ADDRESS: PO Box 45, Columbus, KS 66725

| S  | T   | R   | NE¼ |    |    |    | NW¼ |    |    |    | SW¼ |    |    |    | SE¼ |    |    |    | TOTAL      |     |
|----|-----|-----|-----|----|----|----|-----|----|----|----|-----|----|----|----|-----|----|----|----|------------|-----|
|    |     |     | NE  | NW | SW | SE | NE  | NW | SW | SE | NE  | NW | SW | SE | NE  | NW | SW | SE |            |     |
| 18 | 33S | 25E |     |    |    |    | 40  | 40 | 40 | 40 |     |    |    |    |     |    |    |    |            | 160 |
|    |     |     |     |    |    |    |     |    |    |    |     |    |    |    |     |    |    |    | <b>160</b> |     |

**Landowner of Record** NAME: Brown, Tracy E Brown, Kimberly K

ADDRESS: 5248 SE Highway 160, Columbus, KS 66725

| S  | T   | R   | NE¼ |    |    |    | NW¼ |    |    |    | SW¼ |    |    |    | SE¼ |    |    |    | TOTAL      |     |
|----|-----|-----|-----|----|----|----|-----|----|----|----|-----|----|----|----|-----|----|----|----|------------|-----|
|    |     |     | NE  | NW | SW | SE | NE  | NW | SW | SE | NE  | NW | SW | SE | NE  | NW | SW | SE |            |     |
| 13 | 33S | 24E |     |    |    |    | 40  |    | 40 | 40 |     |    |    |    |     |    |    |    |            | 120 |
|    |     |     |     |    |    |    |     |    |    |    |     |    |    |    |     |    |    |    | <b>120</b> |     |

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 |
|-----------|----------------------|---------------------|-------------------------|
| DB        |                      |                     |                         |
| TD        |                      |                     |                         |
|           |                      |                     |                         |
|           |                      |                     |                         |
|           |                      |                     |                         |
| Total:    | 100 %                |                     |                         |

b. Estimate the average land slope in the field(s): 1-3 %

Estimate the maximum land slope in the field(s): 4 %

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:

ii. For sprinkler systems:

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

(2) What is the sprinkler package design rate? \_\_\_\_\_ gpm

(3) What is the wetted diameter (twice the distance the sprinkler throws water) of a sprinkler on the outer 100 feet of the system? \_\_\_\_\_ feet

(4) Please include a copy of the sprinkler package design information.

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

CORN Soybeans Wheat

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).

As crop needs

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



WATER WELL RECORD Form WWC-5 1171164

Division of Water Resources App. No.

48494

Well ID

~ 2 miles away example well log

Original Record Correction Change in Well Use

1 LOCATION OF WATER WELL: County: Cherokee Fraction SE 1/4 SW 1/4 NW 1/4 SE 1/4 Section Number 19 Township Number T 33 S Range Number R 25 E W

2 WELL OWNER: Last Name: Hutto First: John Street or Rural Address where well is located (if unknown, distance and direction from nearest town or intersection): If at owner's address, check here: [X]

3 LOCATE WELL WITH "X" IN SECTION BOX: [Diagram] 4 DEPTH OF COMPLETED WELL: 910 ft. 5 Latitude: 37.15241 Longitude: 94.71199 6 Elevation: 902

7 WELL WATER TO BE USED AS: 1. Domestic: [X] Irrigation 2. [X] Feedlot 3. [X] Industrial 4. [X] Public Water Supply: well ID 5. [X] Dewatering: how many wells? 6. [X] Aquifer Recharge: well ID 7. [X] Monitoring: well ID 8. [X] Environmental Remediation: well ID 9. [X] Oil Field Water Supply: lease 10. [X] Test Hole: well ID 11. [X] Geothermal: how many bores? 12. [X] Closed Loop [X] Horizontal [X] Vertical 13. [X] Other (specify):

Was a chemical/bacteriological sample submitted to KDHE? [X] No If yes, date sample was submitted: Water well disinfected? [X] No

8 TYPE OF CASING USED: [X] Steel [X] Threaded Casing diameter 13.375 in. to 250 ft. CASING JOINTS: [X] Threaded TYPE OF SCREEN OR PERFORATION MATERIAL: [X] None used (open hole) SCREEN OR PERFORATION OPENINGS ARE: [X] None (Open Hole)

9 GROUT MATERIAL: [X] Neat cement Grout Intervals: From 0 ft. to 250 ft. Nearest source of possible contamination: [X] Livestock Pens [X] Fuel Storage [X] Fertilizer Storage

Table with 6 columns: 10 FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Includes a Notes section: existing 8' test hole to 910'

11 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) 12/02/2013. This Water Well Record was completed on (mo-day-year) 12/06/2013 under the business name of Double J Energy.



48,494  
Example  
"Typical formations"

|            |                 |
|------------|-----------------|
| Form       | WWC5            |
| Contractor | Double J Energy |
| Well Owner | John Hutto      |
| Doc ID     | 1171164         |

Litholgy

| From | To  | Lithologic Log    |
|------|-----|-------------------|
| 0    | 6   | Soil              |
| 6    | 13  | Sandstone         |
| 13   | 18  | Shale             |
| 18   | 50  | sandstone         |
| 50   | 64  | shale             |
| 64   | 130 | sandstone         |
| 130  | 147 | Limestone-wet     |
| 147  | 170 | sandstone         |
| 170  | 177 | Limestone         |
| 177  | 184 | Sandstone         |
| 184  | 188 | Shale             |
| 188  | 210 | Limestone         |
| 210  | 219 | Sandstone & Shale |
| 219  | 250 | Limestone/ Water  |
| 250  | 310 | Limestone & Flint |
| 310  | 414 | Sandstone         |
| 414  | 440 | Limestone         |
| 440  | 580 | Sandstone         |
| 580  | 593 | Limestone         |
| 593  | 757 | Sandstone         |
| 757  | 910 | Limestone         |

File #50,106  
meets safe yield

## Analysis Results

The selected PD is in an area OPEN to new appropriations.

The safe yield based on the variables listed below is 5,428.67 AF.

Total prior appropriations in the circle is 1,053.23 AF.  $-640 = 413.23 + 1.88 = 415.11$

Total quantity of water available for appropriation is 4,375.44 AF.

5013.56

## Safe Yield Variables

The area used for the analysis is set at 8,042 acres.

The potential annual recharge at the circle center is estimated to be 8.1 inches.

The percent of recharge available for appropriation is 100%.

Authorized Quantity values are as of 27-AUG-2018 and are based on Appropriated and Vested ground water right and possible stream nodes for GMD #2. Domestic, Term and Temporary water rights have been excluded.

There are 6 water rights and 4 points of diversion within the circle.

| File Number | Use | ST | SR | Q4 | Q3 | Q2 | Q1 | FeetN | FeetW | Sec | Twp | Rng | ID | Qind | Auth Quant | Add Quant    | Tot Acres | Net Acres |
|-------------|-----|----|----|----|----|----|----|-------|-------|-----|-----|-----|----|------|------------|--------------|-----------|-----------|
| A 9464 00   | MUN | NK | G  |    | NE | NE | SE | 2572  | 330   | 18  | 33  | 25E | 1  | WR   | 22.09      | 22.09        |           |           |
| A 32376 00  | MUN | NK | G  |    | NE | NE | SE | 2572  | 330   | 18  | 33  | 25E | 1  | WR   | 11.02      | 11.02        |           |           |
| A 47765 00  | MUN | LO | G  |    | NE | NE | SE | 2572  | 330   | 18  | 33  | 25E | 1  | WR   | 100.00     | 98.12 + 1.88 |           |           |
| A 48494 00  | IRR | LO | G  |    | SW | NW | SE | 1475  | 2226  | 19  | 33  | 25E | 1  | WR   | 160.00     | 160.00       | 158.00    | 0.00      |
| A 48938 00  | IRR | KE | G  |    | SE | SE | NE | 2940  | 50    | 11  | 33  | 24E | 1  | WR   | 122.00     | 122.00       | 160.00    | 160.00    |
| A 50106 00  | IRR | AY | G  |    | NE | NW | NE | 5130  | 1720  | 13  | 33  | 24E | 1  | WR   | 640.00     | 640.00       | 640.00    | 604.00    |

## Limitations

| File Number | Seq Num | Limitations                          |
|-------------|---------|--------------------------------------|
| A 32376 00  | 2       | 65GPM COM/W#9464                     |
| A 47765 00  | 154.9AF | 50.469MGY COM/W #9464, 32376 & 32377 |
| Same        | 2       | 200GPM COM/W #9464 & 32376           |

**Safe Yield Report Sheet**  
**Water Right- A5010600**  
**Point of Diversion in 13-33S-24E**  
**Footages from SE corner- 5,130 feet North 1,720 feet West**



AMOUNT STATISTICS REPORT FOR POINTS OF DIVERSION UNDER A 50106 00

#####

AMOUNT STATISTICS REPORT FOR POINTS OF DIVERSION UNDER A 50106 00 IRR

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

*All > 1,320'  
meets  
spacing*

5130 Feet North and 1720 Feet West of the Southeast Corner of Section 13 T 33S R 24E

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__ 9464 00  | MUN | NK | G  | 7222      | -- | NE | NE | SE | 2572  | 330   | 18  | 33  | 25E | 1  |      | 22.09     | 22.09    | AF   |
| A__ 32376 00 | MUN | NK | G  | 7222      | -- | NE | NE | SE | 2572  | 330   | 18  | 33  | 25E | 1  |      | 11.02     | 11.02    | AF   |
| A__ 47765 00 | MUN | LO | G  | 7222      | -- | NE | NE | SE | 2572  | 330   | 18  | 33  | 25E | 1  |      | 100.00    | 98.12    | AF   |
| A__ 48494 00 | IRR | LO | G  | 10271     | -- | SW | NW | SE | 1475  | 2226  | 19  | 33  | 25E | 1  |      | 160.00    | 160.00   | AF   |
| A__ 48938 00 | IRR | KE | G  | 4847      | -- | SE | SE | NE | 2940  | 50    | 11  | 33  | 24E | 1  |      | 122.00    | 122.00   | AF   |
| A__ 50106 00 | IRR | AY | G  | 0         | -- | NE | NW | NE | 5130  | 1720  | 13  | 33  | 24E | 1  |      | 640.00    | 640.00   | AF   |

| Total Net Quantities Authorized: | Direct  | Storage |
|----------------------------------|---------|---------|
| Total Requested Amount (AF) =    | 640.00  | .00     |
| Total Permitted Amount (AF) =    | 122.00  | .00     |
| Total Inspected Amount (AF) =    | 258.12  | .00     |
| Total Pro_Cert Amount (AF) =     | .00     | .00     |
| Total Certified Amount (AF) =    | 33.11   | .00     |
| Total Vested Amount (AF) =       | .00     | .00     |
| TOTAL AMOUNT (AF) =              | 1053.23 | .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:

5130 Feet North and 1720 Feet West of the Southeast Corner of Section 13 T 33S R 24E

GROUNDWATER ONLY

WATER USE CORRESPONDENTS:

| File Number  | Use       | ST  | SR    |
|--------------|-----------|-----|-------|
| A__ 9464 00  | MUN       | NK  | G     |
| >            | CHEROKEE  | RWD | 01    |
| >            |           |     |       |
| >            | PO BOX    | 124 |       |
| >            | CRESTLINE | KS  | 66728 |
| >            |           |     |       |
| A__ 32376 00 | MUN       | NK  | G     |
| >            | CHEROKEE  | RWD | 01    |
| >            |           |     |       |
| >            | PO BOX    | 124 |       |
| >            | CRESTLINE | KS  | 66728 |
| >            |           |     |       |
| A__ 47765 00 | MUN       | LO  | G     |
| >            | CHEROKEE  | RWD | 01    |
| >            |           |     |       |
| >            | PO BOX    | 124 |       |
| >            | CRESTLINE | KS  | 66728 |
| >            |           |     |       |

A\_\_ 48494 00 IRR LO G

> JOHN HUTTO

>

> 6663 SE MESSER RD

> GALENA KS 66739

>-----

A\_\_ 48938 00 IRR KE G

> JESSEE LIVING TRUST

> RICK JESSEE

> 6878 SE HIGHWAY 160

> COLUMBUS KS 66725

>-----

A\_\_ 50106 00 IRR AY G

> JESSEE LIVING TRUST

> RICK JESSEE

> 6878 SE HIGHWAY 160

> COLUMBUS KS 66725

>-----

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#####

**DOUBLE J ENERGY, LLC.**

**746 E. 520th Street  
PITTSBURG, KS 66762**

**(620) 231-6090**

FAX (417) 842-3089

**doublejenergy@gmail.com**

File No. 48,938

Jan 10, 2014

Rick Jessie  
544 NE 90<sup>th</sup> Road  
Galena, KS 66739

Dear Mr. Jessie,

On Jan 8, we completed a test hole for your proposed irrigation well, located approximately 300 NE 50<sup>th</sup> Rd, Galena KS.

Actual GPS location is 37.18615 N, 94.74119 W, elevation was measured at 856'.

Well was started by drilling 24" hole to 20'. A 20' long 20" conductor pipe was set and cemented in place.

Drilling was started with a Mission down hole hammer with 8 3/4 bit. Samples were taken on 25' intervals. Water flow was measured with a 36" weir. A drill log is attached.

The Mission hammer watered out at 647', with a yield of 850 GPM. A 7 7/8 tri-cone bit was used to finish the well. Total Depth was 1000'.

Salt content was measured with a Taylor K1766 test kit. The sample was diluted to increase the standard sensitivity. The salt level, if any, was less than 50 PPM.

Final water yield was measured at 1200 GPM on Jan 8, 2014 using air lift through drill pipe. Air pressure required was 300 PSI. You should see an increased yield with the well on pump over air lift.

Static water level was measured on Jan 9, 2014 at 260'.

Thank you,

  
Chuck Heckert

KS Lic 841

WATER RESOURCES  
RECEIVED

JAN 21 2014 CANNED

KS DEPT OF AGRICULTURE

Example well log  
 File No. 48,938  
 Located ≈ 4,800 feet  
 away

DOUBLE J ENERGY, LLC  
 Drill Log Sheet

|               |                     |  |          |                          |          |
|---------------|---------------------|--|----------|--------------------------|----------|
| Owner:        | Rick Jessie         | Location:                              | 37.18615 | Elevation:               | 856      |
| Project:      |                     |  | 94.74119 |                          |          |
| Drill:        | Schramm T660        | Start Date:                            |          | Comp. Date:              | 01/08/14 |
| Borehole Data |                     |  |          |                          |          |
| Depth         | Lithology           | Water                                  | Time     |                          |          |
| 0-5           | Soil                |  |          |                          |          |
| 5-8           | Sandy Soil          |  |          |                          |          |
| 8-10          | Clay                |  |          |                          |          |
| 10-26         | Shale               | trace                                  |          |                          |          |
| 26-29         | Limestone           |  |          |                          |          |
| 29-40         | Sandstone           |  |          |                          |          |
| 40-53         | Shale               |  |          |                          |          |
| 53-94         | Limestone           |  |          |                          |          |
| 94-101        | Shale               |  |          |                          |          |
| 101-127       | Limestone           |  |          |                          |          |
| 127-154       | Shale               |  |          |                          |          |
| 154-157       | Limestone           |  |          |                          |          |
| 157-165       | Shale               |  |          |                          |          |
| 165-180       | Chert/Limestone     |  |          |                          |          |
| 180-264       | Limestone           | @216—30 GPM                            |          |                          |          |
| 264-327       | Limestone-Chert     |  |          |                          |          |
| 327-331       | Sandstone           |  |          |                          |          |
| 331-344       | Limestone-Chert     |  |          |                          |          |
| 344-358       | Sandstone           |  |          |                          |          |
| 358-408       | Limestone           |  |          |                          |          |
| 408-472       | Sandstone           | @441—200 gpm                           |          |                          |          |
| 472-552       | Limestone           |  |          |                          |          |
| 552-574       | Chert/Limestone     | @560-800 GPM                           |          |                          |          |
| 574-623       | Sandstone           |  |          |                          |          |
| 623-826       | Limestone           | @647-- 850 GPM                         |          | Put on 7 7/8 tricone bit |          |
| 826-840       | Sandstone           |  |          |                          |          |
| 840-940       | Limestone           | @860-- 1100 GPM                        |          |                          |          |
| 940-980       | Sandstone           |  |          |                          |          |
| 980-1000      | Limestone-Sandstone | little increase in yield from 860-1000 |          |                          |          |
|               |                     |  |          |                          |          |
|               |                     |  |          | Static Water level 260'  |          |
|               |                     |  |          | Well yield               | 1200 GPM |
|               |                     |  |          |                          |          |
|               |                     |  |          |                          |          |
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WATER RESOURCES  
 RECEIVED

JAN 21 2014

KS DEPT OF AGRICULTURE  
 SCANNED

STATE OF KANSAS

DEPARTMENT OF AGRICULTURE  
1320 RESEARCH PARK DRIVE  
MANHATTAN, KS 66502  
PHONE: (785) 564-6700  
FAX: (785) 564-6777



900 SW JACKSON, ROOM 456  
TOPEKA, KS 66612  
PHONE: (785) 296-3556  
www.agriculture.ks.gov

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

8/21/2018

RICK JESSEE  
6878 SE HWY 160  
COLUMBUS, KS 66725

RE: Application, File No. **50106**

Dear Sir or Madam:

The Division of Water Resources (Division) has received your application for a permit to appropriate water for beneficial use. Your application has been assigned the file number referenced above. Please be aware that the Division may have a large number of pending applications on hand at times and makes every attempt to process them in the order in which they are received. You will be contacted if additional information is required.

Please note, this letter only acknowledges receipt of your application and does not guarantee approval. In accordance with the provisions of the Kansas Water Appropriation Act, the use of water as proposed prior to approval of the application is unlawful.

Additional information about the process may be found on our website at [agriculture.ks.gov/divisions-programs/dwr](http://agriculture.ks.gov/divisions-programs/dwr). If you have any other questions, please contact our office at 785-564-6640 or your local Topeka Field Office at 785-296-5733. If you call, please reference the file number so we can help you more efficiently.

Sincerely,

A handwritten signature in cursive script that reads "Kristen A. Baum".

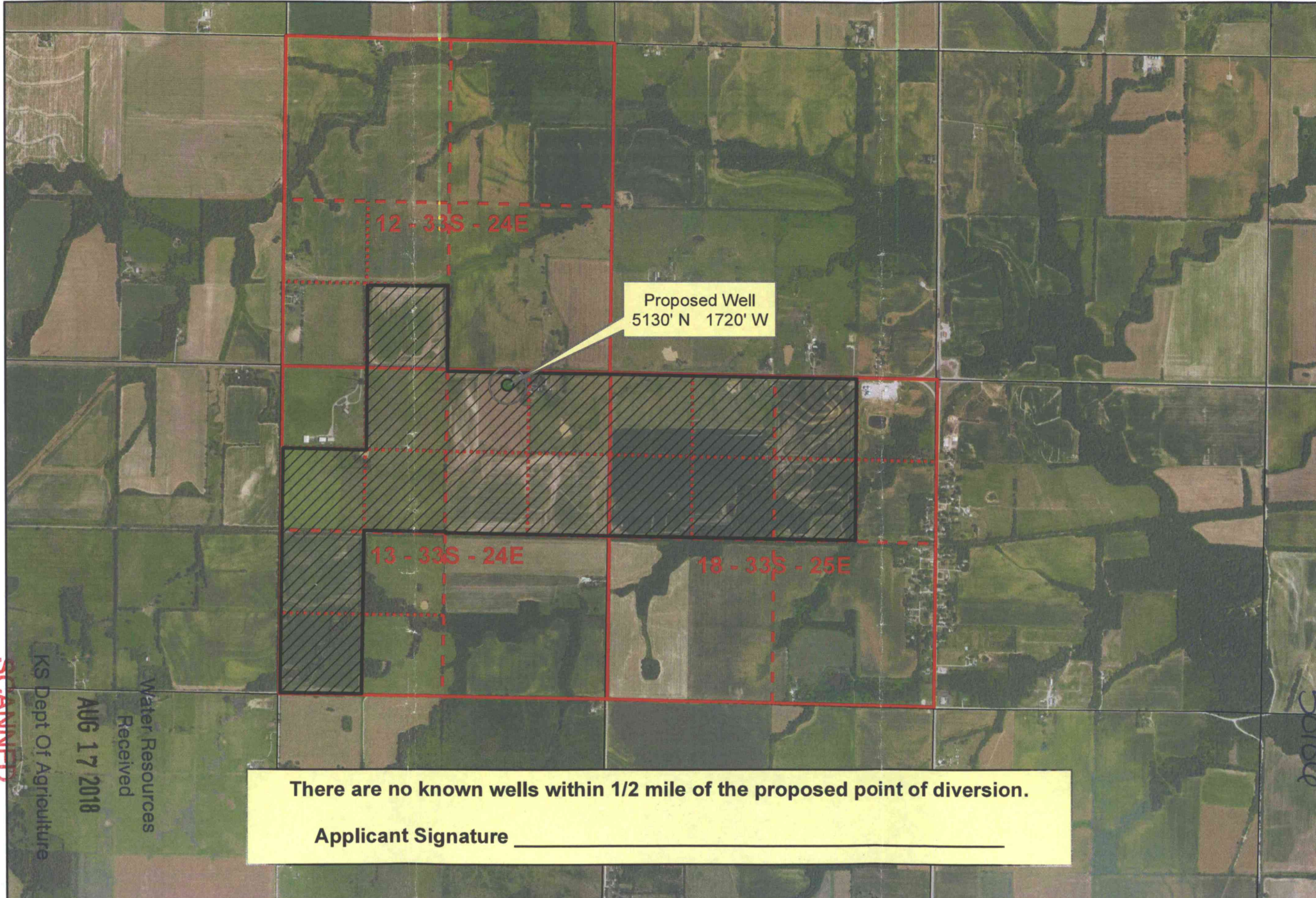
Kristen A. Baum  
New Application Unit Supervisor  
Division of Water Resources

SCANNED



# Rick Jessee - New Application

1:24,000



Proposed Well  
5130' N 1720' W

12 - 33S - 24E

13 - 33S - 24E

18 - 33S - 25E

There are no known wells within 1/2 mile of the proposed point of diversion.

Applicant Signature \_\_\_\_\_

SCANNED  
KS Dept Of Agriculture  
Water Resources  
Received  
AUG 17 2018

S. Jessee