

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

1. File Number: 50,150	2. Status Change Date: 2/11/2019	3. Field Office: 01	4. GMD: 0
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5. Status: Approved Denied by DWR/GMD Dismiss by Request/Failure to Return

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

<p>7a. Applicant(s) <input type="checkbox"/> New to system <input type="checkbox"/></p> <p>Person ID 66403 Add Seq# _____</p> <p>TERRY RESCHKE 505 NAVAJO ST HIAWATHA KS 66434</p>	<p>7c. Landowner(s) <input type="checkbox"/> New to system <input type="checkbox"/></p> <p>Person ID 66404 Add Seq# _____</p> <p>CASHMAN FARMS LLC 10610 W 53RD ST SHAWNEE KS 66203</p>
<p>7b. Landowner(s) <input type="checkbox"/> New to system <input type="checkbox"/></p> <p>Person ID _____ Add Seq# _____</p> <p>7a.</p>	<p>7d. Misc. <input type="checkbox"/> New to system <input type="checkbox"/></p> <p>Person ID _____ Add Seq# _____</p> <p>MIDWEST IRRIGATION % KEITH GRIMM 1215 OREGON ST HIAWATHA KS 66434</p>

<p>8. WUR Correspondent <input type="checkbox"/> New to system <input type="checkbox"/></p> <p>Overlap File (s) WUC Agree <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Person ID _____ Add Seq# _____ Notarized WUC Form <input type="checkbox"/></p> <p>7a.</p>	<p>9. Use of Water: Changing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p><input checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Surface Water</p> <p><input checked="" type="checkbox"/> IRR <input type="checkbox"/> REC <input type="checkbox"/> DEW <input type="checkbox"/> MUN</p> <p><input type="checkbox"/> STK <input type="checkbox"/> SED <input type="checkbox"/> DOM <input type="checkbox"/> CON</p> <p><input type="checkbox"/> HYD DRG <input type="checkbox"/> WTR PWR <input type="checkbox"/> ART RECHRG</p> <p><input type="checkbox"/> IND SIC: _____ <input type="checkbox"/> OTHER: _____</p>
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10. Completion Date: **12/31/2020** 11. Perfection Date: **12/31/2024** 12. Exp Date: _____

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

14. Water Level Measuring Device? Yes No Date to Comply: _____ Date WLMD Installed: _____

Date Prepared: **1/24/2019** By: **DWS**
Date Entered: **2/12/2019** By: **WJ**

File No. **50,150** 15. Formation Code:100 Drainage Basin: **S F BIG NEMAHA RIVER** County: BR Special Use: Stream:

16. Points of Diversion

T
MOD
DEL
ENT

Battery ID#2129

PDIV	Qualifier	S	T	R	ID	'N	'W
MOD 87126	NE SW SW	35	1	17E	18	1080	4081 (Geo-Ctr)
√ 87127	NW SE SW	35	1	17E	19	830	3912 Batt 1 of 4
√ 87128	SW NE SW	35	1	17E	20	1330	3950 Batt 1 of 4
ENT 87320	SE NW SW	35	1	17E		1330	4250 Batt 1 of 4
ENT 87321	NE SW SW	35	1	17E		830	4212 Batt 1 of 4

17. Rate and Quantity

Authorized		Additional		Overlap PD Files
Rate gpm	Quantity af	Rate gpm	Quantity af	
800	50	800	50	None

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

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

20. Meter Required? Yes No To be installed by **12/31/2020** Date Acceptable Meter Installed _____

21. Place of Use

T
MOD
DEL
ENT

PUSE	S	T	R	ID	NE¼				NW¼				SW¼				SE¼				Total	Owner	Chg? NO	Overlap Files
					NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼				
√ 69166	35	1	17E	3									40	40	40	40					160	7a.	NO	50,151
√ 69167	2	2	17E	2					40	40	40	40									240	7c.	NO	50,151

Comments

KANSAS DEPARTMENT OF AGRICULTURE
Division of Water Resources
MEMORANDUM

TO: Files

DATE: January 24, 2019

FROM: Doug Schemm

RE: Applications, File Nos. 50,150 & 50,151

Terry Reschke has filed the referenced applications to appropriate groundwater from two proposed well batteries at a rate of diversion of 800 gallons per minute to irrigate 400 acres in Brown County, within the S F Big Nemaha River basin. Both well batteries are located in the Southwest Quarter of Section 35, in Township 1 South, Range 17 East, Brown County, Kansas. The applications will overlap in place of use, there are no other files overlapping in point of diversion or place of use. The proposed place of use is partly owned by the applicant, and partly owned by Cashman Farms LLC. Both applications have been signed by the applicant stating he has access to the points of diversion.

Application, File No. 50,150 is requesting 50 acre-feet of groundwater, while Application, File No. 50,151 is requesting 160 acre-feet of groundwater. The combined total quantity of 210 acre-feet for the irrigation of 400 acres of land will provide over 6 inches per acre, which is less than the allowed maximum of 1 acre-feet per acre, for irrigation in Brown County per K.A.R. 5-3-19. However, the applicant's consultant (MWI, LLC) has significant experience in this area of the state using smaller quantities of water successfully.

There are no nearby domestic wells within one-half mile, however Howard Farms has several irrigation wells in the area that are within one-half mile, and a nearby notification letter was sent out on November 14, 2018. No response of any kind was received. A review of aerial and topographic maps also indicate there are no residences or potential wells (windmills) within this ½ mile area. The WRIS database shows there are multiple water rights within the two-mile circle. The proposed points of diversion, geographic centers of the well batteries, meet minimum well spacing criteria to all other wells, being over 1,400 feet from each other, as well as over 1,320 feet to all other non-domestic wells.

Test hole logs were submitted with the pending applications, which show a mixture of clay, sand, and gravel sporadically distributed throughout the subsurface, which is typical of glacial drift deposits. Depths to groundwater and saturated thicknesses are also highly variable over short lateral distances, contributing to a complex, heterogeneous aquifer. However, again as typical with these deposits, there is a coarse sand and gravel layer overlying the bedrock, which comprises the primary aquifer. The test hole logs show that shale bedrock was encountered at about 115 feet below ground surface.

Per the requirements in K.A.R. 5-3-11, safe yield is determined by the extent of the unconfined aquifer (glacial drift), within a two-mile circle radius of the point of diversion, which establishes the area of consideration. Much of the information for the aquifer in this local area was obtained from hydrologic data collected for senior water rights (including File No. 47,383), and includes a saturated thickness map, cross-sections, and well logs. This information was updated with the test hole log data submitted by the applicant and further review of well completion logs. The well logs show that the sand and gravel deposits do not extend to the northeast of the project area. Therefore, for these applications, the area of consideration was determined by excluding the area in the northeast portion of the two-mile circle where sand and gravel deposits were less than 10 feet in thickness. The rest of the two-mile circle was included in the analysis based on the extent of the glacial drift aquifer determined primarily on the saturated thickness map and geologic deposits. Each point of diversion has a different area of consideration and corresponding safe yield based on its specific location as follows:

For File No. 50,150, the Area of Consideration was 6,258 acres, Potential Recharge is 5.2 inches, and 100% of recharge is available for appropriation, and safe yield was determined to be 2,711.9 acre-feet. Existing water rights have appropriated 1,887 acre-feet, providing a difference of 824.9 acre-feet available for appropriation, and the application requesting 50 acre-feet complies with safe yield.

Terry Reschke
File Nos. 50,150 and 50,151
Page 2

For File No. 50,151, the Area of Consideration was 6,286 acres, Potential Recharge is 5.2 inches, and 100% of recharge is available for appropriation, and safe yield was determined to be 2,724 acre-feet. Existing water rights have appropriated 1,937 acre-feet, providing a difference of 787 acre-feet available for appropriation, and the application requesting 160 acre-feet complies with safe yield.

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 these permits, check valves will also need to be installed.

In a December 13, 2018 discussion, Katie Tietsort, Water Commissioner, Topeka Field Office, recommended approval of the referenced applications. Based on the above discussion, well spacing and safe yield criteria are met, and approval of the applications will not impair senior water rights nor prejudicially or unreasonably affect the public interest, it is recommended that the referenced applications be approved.

Douglas W. Schemm
Environmental Scientist
Topeka Field Office

1320 Research Park Drive
Manhattan, KS 66502
785-564-6700
www. agriculture.ks.gov



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

Mike Beam, Acting Secretary

Laura Kelly, Governor

FILE COPY

TERRY RESCHKE
505 NAVAJO ST
HIAWATHA KS 66434

February 15, 2019

Re: Appropriation of Water, File Nos. 50,150 and 50,151

Dear Mr. Reschke:

There are enclosed permits to appropriate water authorizing you to proceed with construction of the proposed diversion works (except those dams and stream obstructions regulated by K.S.A. 82a-301 through 305a), to divert such unappropriated water as may be available from the source and at the locations specified in these permits, and to use it for the purpose and at the location described in these permits.

Your attention is directed to the enclosures and to the terms, conditions, and limitations specified in these approval documents. Water meters are required on the proposed diversion works and you must install them prior to water being put to beneficial use in order for you to maintain accurate records of water use. The meters should be used to provide the information required on the annual water use reports.

Failure to notify the Chief Engineer of the Division of Water Resources of the completion of the diversion works within the time allowed, or within any authorized extension of time thereof, will result in the dismissal of these permits. Enclosed are forms which may be used to notify the Chief Engineer that the proposed diversion works have been completed. All requests for extensions of time to complete diversion works, or to perfect appropriations, must be submitted to the Chief Engineer before the expiration of time originally set forth in these permits 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 these permits. Failure to comply with this regulation will result in the dismissal of your permits or your water rights. Any request for an extension of time shall be accompanied by the required statutory fee, which is currently \$100.00 per file number. There is also enclosed an information sheet setting forth the procedure to obtain a Certificate of Appropriation which will establish the extent of your water rights.

Sincerely,

Kristen A. Baum
New Application Unit Supervisor
Water Appropriation Program

KAB:dws
Enclosures

pc: Topeka Field Office
Cashman Farms LLC
Midwest Irrigation



THE STATE OF KANSAS

KANSAS DEPARTMENT OF AGRICULTURE
 Mike Beam, Acting 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. **50,150** of the applicant

TERRY RESCHKE
505 NAVAJO ST
HIAWATHA KS 66434

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 **October 26, 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	
35	1	17E																	160
2	2	17E		40	40		40	40	40	40									240

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 Southwest Quarter of the Southwest Quarter (NE¼ SW¼ SW¼) of Section 35, more particularly described as being near a point 1,080 feet North and 4,081 feet West of the Southeast corner of said section, in Township 1 South, Range 17 East, Brown County, Kansas, located substantially as shown on the map accompanying the application.

4. That the appropriation sought shall be limited to a maximum diversion rate not in excess of **800 gallons per minute** (1.78 c.f.s.) and to a quantity not to exceed **50 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, 2020**, 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, 2024**, 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.

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 this permit is limited such that all wells shall be located within a three hundred (300) foot radius circle, in the same local source of supply, and shall supply water to a common distribution system.

19. 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.

Ordered this 11th day of February, 2019, 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 11th day of February, 2019, 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 15th day of February, 2019, I hereby certify that the foregoing Approval of Application, File No. 50,150, dated February 11, 2019 was mailed postage prepaid, first class, US mail to the following:

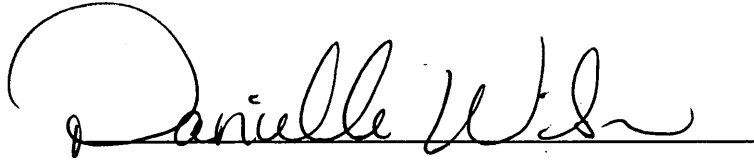
TERRY RESCHKE
505 NAVAJO ST
HIAWATHA KS 66434

With photocopies to:

CASHMAN FARMS LLC
10610 W 53RD ST
SHAWNEE KS 66203

MIDWEST IRRIGATION
1215 OREGON ST
HIAWATHA KS 66434

Topeka Field Office



Division of Water Resources

Lead
#200

THE STATE OF KANSAS



KANSAS DEPARTMENT OF AGRICULTURE
Jackie McClaskey, Secretary of Agriculture

DIVISION OF WATER RESOURCES
David W. Barfield, Chief Engineer

File Number 50150
This item to be completed by the Division of Water Resources.

Water Resources
Received
OCT 26 2018
10:32
KS Dept Of Agriculture

APPLICATION COMPLETE
12/13/18
Reviewer KAB

**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): Terry Reschke
Address: 505 Navajo St.
City: Hiawatha State KS Zip Code 66434
Telephone Number: (785) 741-2229

2. The source of water is: surface water in _____ (stream)
OR groundwater in unamed tributary to Roys Creek Big nemaha river basin (SF Big Nemaha)
(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 50 acre-feet OR _____ gallons per calendar year,
to be diverted at a maximum rate of 800 (Battery of well) 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. 1 GMD Q Meets K.A.R. 5-3-1 (YES / NO) Use IRR Source G/S County BR By DAW Date 10/26/18
Code IRG Fee \$ 200 TR # _____ Receipt Date 10/26/18 Check # 1107

SCANNED
10/30/2018 LLM

Well 4 - NESWSW 830'N & 4,212'W 35-1S-17E Brown Co.

File No. 50150

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.

600 (A) One in the ~~SW~~^{NE} quarter of the ~~SE~~^{SW} quarter of the ~~SW~~^{SW} quarter of Section 35, more particularly described as being near a point ~~1070~~¹⁰⁸⁰ feet North and ~~4050~~⁴⁰⁸¹ feet West of the Southeast corner of said section, in Township 1 South, Range 17E East/West (circle one), Brown County, Kansas.

well-1 (B) One in the NW quarter of the SE quarter of the SW quarter of Section 35, more particularly described as being near a point 830 feet North and 3912 feet West of the Southeast corner of said section, in Township 1 South, Range 17 East/West (circle one), Brown County, Kansas.

well-2 (C) One in the SW quarter of the NE quarter of the SW quarter of Section 35, more particularly described as being near a point 1330 feet North and 3950 feet West of the Southeast corner of said section, in Township 1 South, Range 17 East/West (circle one), Brown County, Kansas.

Well #3 (D) One in the SE quarter of the NW quarter of the SW quarter of Section 35, more particularly described as being near a point 1330 feet North and 4250 feet West of the Southeast corner of said section, in Township 1 South, Range 17 East/West (circle one), Brown 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

(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 23rd of OCT, 2018 Perry Rescher
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 Battery of well (4)
(number of wells, pumps or dams, etc.)

and (was)(will be) completed (by) July 1 2019
(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 July 1 2019
(Mo/Day/Year)

Water Resources
Received
OCT 26 2018
KS Dept Of Agriculture

LOW
206

THE STATE  OF KANSAS

KANSAS DEPARTMENT OF AGRICULTURE
Jackie McClaskey, Secretary of Agriculture

DIVISION OF WATER RESOURCES
David W. Barfield, Chief Engineer

File Number 50150
This item to be completed by the Division of Water Resources.

Water Resources
Received
OCT 26 2018
10:32
KS Dept Of Agriculture

**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): Terry Reschke
Address: 505 Navajo St.
City: Hiawatha State KS Zip Code 66434
Telephone Number: (785) 741-2229

2. The source of water is: surface water in _____ (stream)
OR groundwater in unnamed tributary to Roys Creek Big nemaha river basin (SF Big Nemaha)
(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 50 acre-feet OR _____ gallons per calendar year,
to be diverted at a maximum rate of 800 (Battery of well) 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. 1 GMD 8 Meets K.A.R. 5-3-1 (YES / NO) Use 122 Source G/S County BR By DW Date 10/26/18
Code 122 Fee \$ 200 TR # _____ Receipt Date 10/20/18 Check # 1107

10/30/2018 LLM

- 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.

NA

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.
Howad Farms 3 permits
- (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.

None

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

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

Well location as shown in paragraph No.	(A)	(B)	(C)	(D)
Date Drilled	_____	_____	_____	_____
Total depth of well	_____	_____	_____	_____
Depth to water bearing formation	_____	_____	_____	_____
Depth to static water level	_____	_____	_____	_____
Depth to bottom of pump intake pipe	_____	_____	_____	_____

14. The relationship of the applicant to the proposed place where the water will be used is that of

Owner
(owner, tenant, agent or otherwise)

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

same

(name, address and telephone number)

(name, address and telephone number)

16. The undersigned states that the information set forth above is true to the best of his/her knowledge and that this application is submitted in good faith.

Dated at Hiawatha, Kansas, this 23 day of October, 2018.
(month) (year)



(Applicant Signature)

By _____
(Agent or Officer Signature)

(Agent or Officer - Please Print)

Assisted by Keith Grimm MWI, LLC Date: 10/23/18
(office/title)

Water Resources
Received
OCT 26 2018
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**IRRIGATION USE
SUPPLEMENTAL SHEET**

File No. 50150

Name of Applicant (Please Print): Terry Reschke

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: Terry Reschke
ADDRESS: 505 Navajo St Hiawatha KS 66434

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL		
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE			
35	1	17										40	40	40	40					160	

Landowner of Record NAME: Cashman Farms LLC
ADDRESS: 10610 W 53rd St Shawnee, KS 66203

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL			
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE				
2	25	17E		40	40		40	40	40	40											240	

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				

Terry Reschke 11-15-13

1-6

"Terry Reschke TH 13-01"

N 39 54' 53.9"

W 95 28' 55.2"

5-25 silty clay brown

25-26 sand and gravel

26-33 silty clay brown

33-38 sandy clay brown

38-66 silty clay gray

66-75 sand F-M (drilled slower few clay layers)

75-90 sand F-M drilled faster

90-100 sand M clean

100-103 sand M-C

103-113 sand and gravel (105-110 some water loss)

113-116 shale light brown

116-120 shale light gray

1-4

"Terry Reschke TH 13-02"

N 39 54' 58.5"

W 95 29' 4.9"

5-10 silty clay dark brown

10-28 silty clay brown

28-34 sandy clay light brown

34-40 sandy clay light gray soft

40-41 sand M-C brown

41-46 silty clay gray

46-60 sand M-VC brown clean (couple clay layers)

60-68 silty clay gray

68-70 sand and gravel clean

70-79 silty clay gray

79-85 sand M-C semi clean

85-90 drilled fast mostly sandy clay with some VF sand

90-95 sand F few clay layers

95-100 sand F-M

100-103 sand M-C

103-104 dropped, lost circulation

104-106 sand and gravel no sample

Water Resources
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OCT 26 2018

50150

1-13
"Terry Reschke TH 13-03"
N 39 54' 56.7"
W 95 29' 19"
5-25 silty clay light brown very sticky
25-37 silty clay brown
37-42 sand and gravel brown with brown clay layers
42-63 silty clay grayish brown
63-82 silty clay gray
82-90 sand F drilled slow harder chattered while drilling
90-95 sand F some clay layers
95-110 sand F drilled faster with some clay layers
110-120 sand F-M
120-135 silty clay gray getting hared
135 stopped

Water Resources
Received
OCT 26 2018

KS Dept of Agriculture
SCANNED

Schemm, Doug [KDA]

From: mwivalley@gmail.com
Sent: Thursday, December 13, 2018 12:57 PM
To: Schemm, Doug [KDA]
Subject: RE: Reschke 50150 & 50151

EXTERNAL: This email originated from outside of the organization. Do not click any links or open any attachments unless you trust the sender and know the content is safe.

Thanks

From: Schemm, Doug [KDA] <Doug.Schemm@ks.gov>
Sent: Thursday, December 13, 2018 9:13 AM
To: Midwest Irrigation (mwivalley@gmail.com) <mwivalley@gmail.com>
Subject: Reschke 50150 & 50151

Keith,
I added two more wells and modified the geo centers slightly to create the battery of 4 wells for each of these files.
Please review,
Thanks,
Doug

STATE OF KANSAS

DEPARTMENT OF AGRICULTURE
DIVISION OF WATER RESOURCES
TOPEKA FIELD OFFICE
6531 SE FORBES AVE., SUITE B
TOPEKA, KS 66619



PHONE: (785) 296-5733
FAX: (785) 296-8298
www.agriculture.ks.gov

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

November 15, 2018

HOWARD FARMS INC
1606 280TH ST
HIAWATHA KS 66434

Re: Pending New Applications, File Nos. 50,150 and 50,151

Dear Sir or Madam:

This is to advise you that Terry Reschke has filed the applications referred to above for permits to appropriate groundwater for irrigation use. Application, File No. 50,150 is requesting 50 acre-feet of groundwater per calendar year to be diverted at a maximum rate of 800 gallons per minute. Application, File No. 50,151 is requesting 160 acre-feet of groundwater per calendar year to be diverted at a maximum rate of 800 gallons per minute. The proposed points of diversion are well batteries, both located in the Southwest Quarter of Section 35, in Township 1 South, Range 17 East, Brown County, Kansas.

Records in this office indicate that you may have a well or wells in this vicinity and you are being notified of receipt of these applications in order that you may be fully informed of the proposed locations of the applicant's points 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.

You can find the applications and site maps posted by the file numbers referenced above at:
<http://agriculture.ks.gov/divisions-programs/dwr/water-appropriation/notices>

If you have any questions or comments, you may also contact me at (785) 296-3495. If you call, please reference the file number so I can help you more efficiently.

Sincerely,

Douglas W. Schemm
Environmental Scientist
Topeka Field Office

pc: Terry Reschke
MWI - Keith Grimm

Analysis Results

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

The safe yield based on the variables listed below is 2,711.91 AF.

Total prior appropriations in the circle is 2,097.00 AF. **- 210 AF = 1887**

Total quantity of water available for appropriation is ~~614.91~~ AF.

824.9

*50,150
meets safe
yield*

Safe Yield Variables

The area used for the analysis is set at 6,258 acres.

The potential annual recharge at the circle center is estimated to be 5.2 inches.

The percent of recharge available for appropriation is 100%.

Authorized Quantity values are as of 14-NOV-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 9 water rights and 25 points of diversion within the circle.

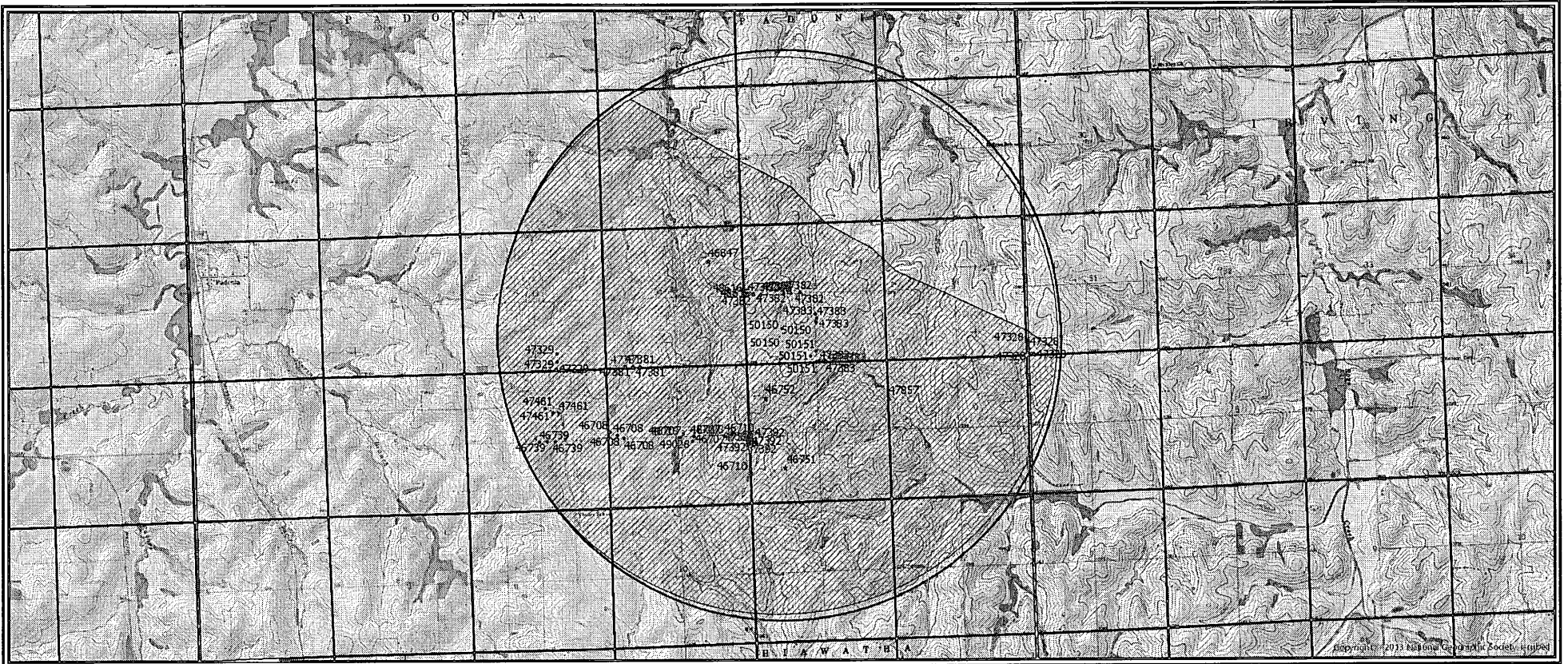
File Number	Use	ST	SR	Q4	Q3	Q2	Q1	FeetN	FeetW	Sec	Twp	Rng	ID	Qind	Auth Quant	Add Quant	Tot Acres	Net Acres
A 46707 00	IRR	LR	G		NW	NW	SE	2440	2440	03	02	17E	3	WR	142.00	142.00	142.00	142.00
Same	IRR	LR	G		NE	NW	SE	2440	1850	03	02	17E	4	WR				
Same	IRR	LR	G		NW	NW	SE	2440	2145	03	02	17E	7	WR				
A 46708 00	IRR	MM	G		SW	SW	NW	2890	5247	03	02	17E	12	WR	320.00	320.00	320.00	320.00
A 47382 00	IRR	LR	G		SE	SE	NW	2700	3208	35	01	17E	13	WR	160.00	160.00 ✓	400.00	400.00
Same	IRR	LR	G		SW	SE	NW	2671	3802	35	01	17E	14	WR				
Same	IRR	LR	G		SW	SE	NW	2682	3548	35	01	17E	16	WR				
Same	IRR	LR	G		SW	SE	NW	2674	3634	35	01	17E	17	WR				
A 47383 00	IRR	LR	G		SW	NW	SE	1683	2600	35	01	17E	9	WR	160.00	160.00	160.00	160.00
Same	IRR	LR	G		SW	NW	SE	1845	2605	35	01	17E	10	WR				
Same	IRR	LR	G		SW	NW	SE	1520	2595	35	01	17E	11	WR				
A 47392 00	MUN	KE	G		NW	NW	SW	2344	5135	02	02	17E	3	WR	620.00	620.00		
Same	MUN	KE	G		NW	NW	SW	2441	5189	02	02	17E	4	WR				
Same	MUN	KE	G		NW	NW	SW	2217	5191	02	02	17E	5	WR				
Same	MUN	KE	G		NW	NW	SW	2328	5043	02	02	17E	6	WR				
A 47461 00	IRR	LR	G		NE	SW	NE	3685	1785	04	02	17E	6	WR	245.00	245.00	245.00	245.00
Same	IRR	LR	G		NW	SW	NE	3685	2365	04	02	17E	7	WR				
Same	IRR	LR	G		NW	SW	NE	3685	2075	04	02	17E	8	WR				
A 48616 00	IRR	LO	G		SW	SW	NW	2718	5253	35	01	17E	1	WR	400.00	240.00 ✓	400.00	0.00
A 50150 00	IRR	AY	G		NW	SE	SW	1070	4050	35	01	17E	18	WR	500.00	500.00	400.00	400.00
Same	IRR	AY	G		NW	SE	SW	830	3912	35	01	17E	19	WR				
Same	IRR	AY	G		SW	NE	SW	1330	3950	35	01	17E	20	WR				
A 50151 00	IRR	AY	G		SE	SE	SW	245	2860	35	01	17E	21	WR	160.00	160.00	400.00	0.00
Same	IRR	AY	G		SE	SE	SW	35	2660	35	01	17E	22	WR				
Same	IRR	AY	G		SE	SE	SW	450	2660	35	01	17E	23	WR		210 AF		

Safe Yield Report Sheet

Water Right- A5015000

Point of Diversion in 35-01S-17E

Footages from SE corner- 1,070 feet North 4,050 feet West



50,150

Limitations

File Number	Seq Num	Limitations
A 48616 00	1	400 AF COM/W #47382 ✓OK

AMOUNT STATISTICS REPORT FOR POINTS OF DIVERSION UNDER A 50150 00

#####

AMOUNT STATISTICS REPORT FOR POINTS OF DIVERSION UNDER A 50150 00 IRR

All wells > 1,320' meets spacing

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

1070 Feet North and 4050 Feet West of the Southeast Corner of Section 35 T 1S R 17E

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__ 46707	00	IRR	LR	G	5137	--	NW	NW	SE	2440	2145	3	2	17E	7	G	2	142.00	142.00	AF
Same					5335	--	NW	NW	SE	2440	2440	3	2	17E	3	B	2			
Same					4949	--	NE	NW	SE	2440	1850	3	2	17E	4	B	2			
A__ 46708	00	IRR	MM	G	7320	--	SW	SW	NW	2890	5247	3	2	17E	12		320.00	320.00	AF	
A__ 47382	00	IRR	LR	G	1688	✓--	SW	SE	NW	2682	3548	35	1	17E	16	G	3	160.00	160.00	AF
Same					1835	--	SE	SE	NW	2700	3208	35	1	17E	13	B	3			
Same					1620	--	SW	SE	NW	2671	3802	35	1	17E	14	B	3			
Same					1657	--	SW	SE	NW	2674	3634	35	1	17E	17	B	3			
A__ 47383	00	IRR	LR	G	1574	✓--	SW	NW	SE	1683	2600	35	1	17E	9	G	2	160.00	160.00	AF
Same					1640	--	SW	NW	SE	1845	2605	35	1	17E	10	B	2			
Same					1523	--	SW	NW	SE	1520	2595	35	1	17E	11	B	2			
A__ 47392	00	MUN	KE	G	4116	--	NW	NW	SW	2344	5135	2	2	17E	3	G	3	620.00	620.00	AF
Same					4038	--	NW	NW	SW	2441	5189	2	2	17E	4	B	3			
Same					4254	--	NW	NW	SW	2217	5191	2	2	17E	5	B	3			
Same					4108	--	NW	NW	SW	2328	5043	2	2	17E	6	B	3			
A__ 47461	00	IRR	LR	G	8968	--	NW	SW	NE	3685	2075	4	2	17E	8	G	2	245.00	245.00	AF
Same					8691	--	NE	SW	NE	3685	1785	4	2	17E	6	B	2			
Same					9245	--	NW	SW	NE	3685	2365	4	2	17E	7	B	2			
A__ 48616	00	IRR	LO	G	2040	✓--	SW	SW	NW	2718	5253	35	1	17E	1		400.00	240.00	AF	
A__ 50150	00	IRR	AY	G	0	--	NW	SE	SW	1070	4050	35	1	17E	18	G	2	50.00	50.00	AF
Same					277	--	NW	SE	SW	830	3912	35	1	17E	19	B	2			
Same					279	--	SW	NE	SW	1330	3950	35	1	17E	20	B	2			
A__ 50151	00	IRR	AY	G	1448	✓--	SE	SE	SW	245	2860	35	1	17E	21		160.00	160.00	AF	
Same					1733	--	SE	SE	SW	35	2660	35	1	17E	22					
Same					1522	--	SE	SE	SW	450	2660	35	1	17E	23					

Total Net Quantities Authorized:	Direct	Storage
Total Requested Amount (AF) =	210.00	.00
Total Permitted Amount (AF) =	620.00	.00
Total Inspected Amount (AF) =	947.00	.00
Total Pro_Cert Amount (AF) =	320.00	.00
Total Certified Amount (AF) =	.00	.00
Total Vested Amount (AF) =	.00	.00
TOTAL AMOUNT (AF) =	2097.00	.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:

1070 Feet North and 4050 Feet West of the Southeast Corner of Section 35 T 1S R 17E

GROUNDWATER ONLY

WATER USE CORRESPONDENTS:

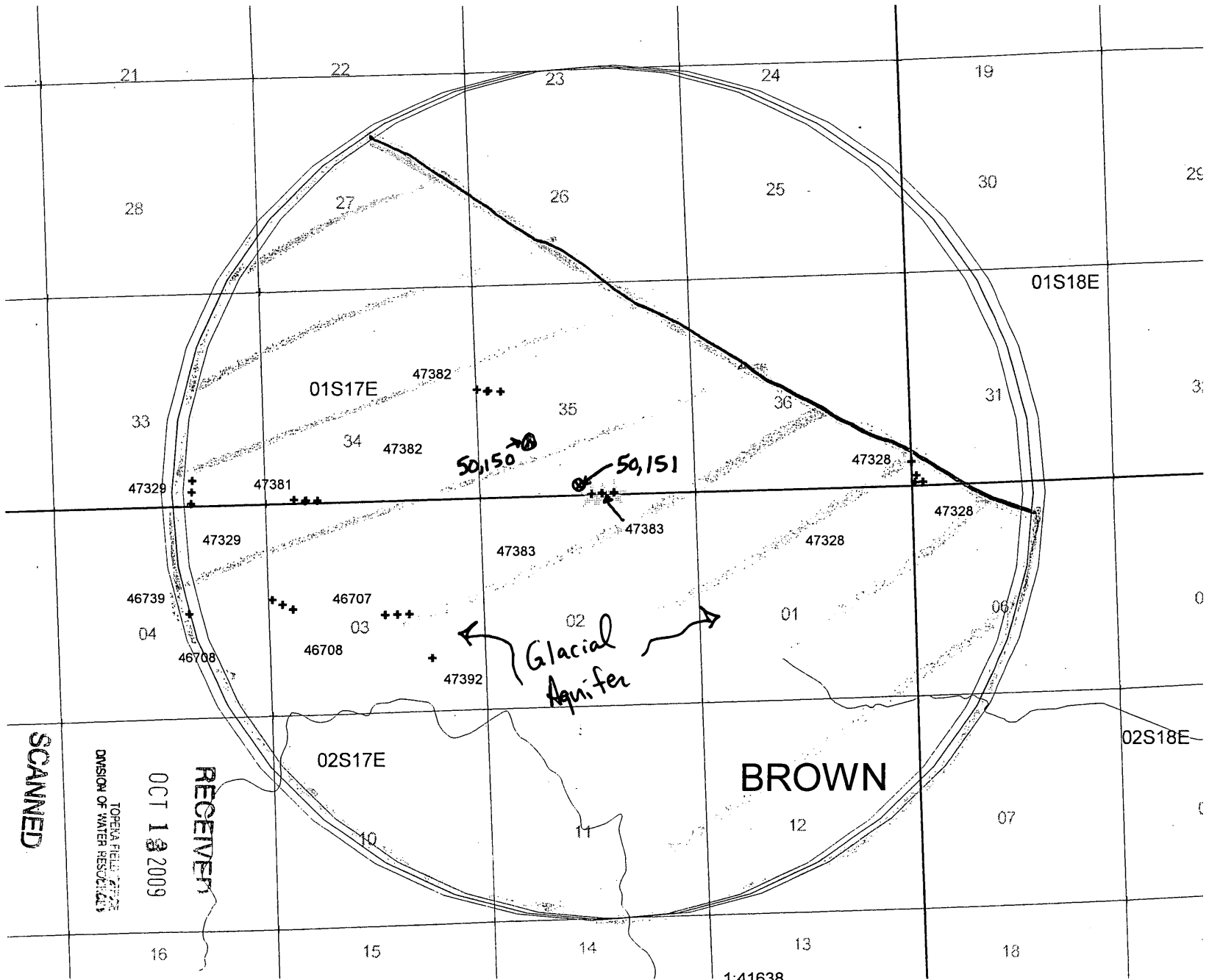
=====

#50,150

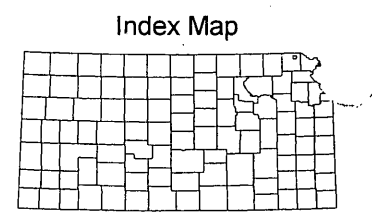
Water Right Number, 47383-00, With A 2 Mile Buffer

SENIOR FILE
EXAMPLE

Area of Consideration:
6,177 acres



- + Section Corners
- PLSS
- PD
- + Ground Water
- ★ Queried PD(s)
- Subbasins
- △ Hydrology
- Special Areas
- ⊗ Closed
- ⊗ Restricted
- Townships
- Cities
- Towns
- ▨ Lakes
- County
- GMD



This map was created by WIMAS on Sep 24, 2009 and represents water right conditions as of 09/24/2009.

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TOPEKA FIELD OFFICE
DIVISION OF WATER RESOURCES

OCT 19 2009

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1:41638

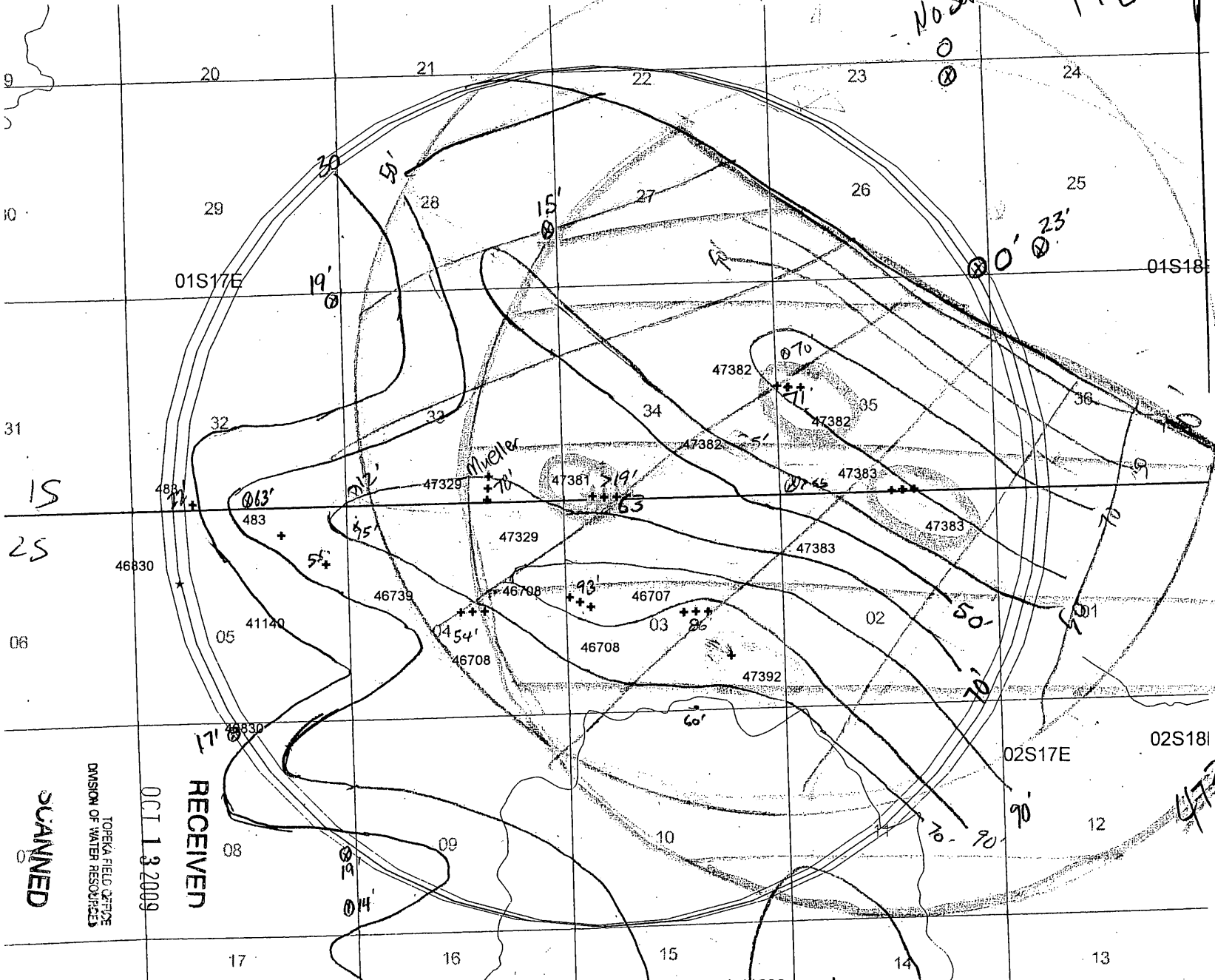


Area Safe Yield

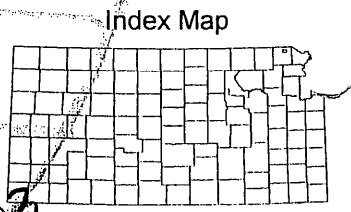
50,150 Water Right Number, 47381-00, With A 2 Mile Buffer

1007 10/12/09

Truncate out NE portion of 2-mile circle



- PD
- + Ground Water
 - * Surface Water
 - ☆ Queried PD(s)
- Special Areas
- ▭ Subbasins
 - ▭ Hydrology
 - ▭ Closed
 - ▭ Restricted
 - ▭ PLSS
 - + Section Corners
 - ▭ Townships
 - ▭ Cities
 - ▭ Towns
 - ▭ Lakes
 - ▭ GMD



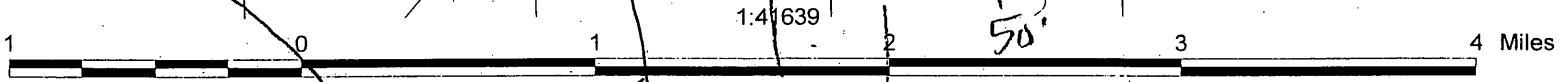
This map was created by WIMAS on Sep 23, 2009 and represents water right conditions as of 09/23/2009.

OCT 13 2009

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TOPEKA FIELD OFFICE
DIVISION OF WATER RESOURCES

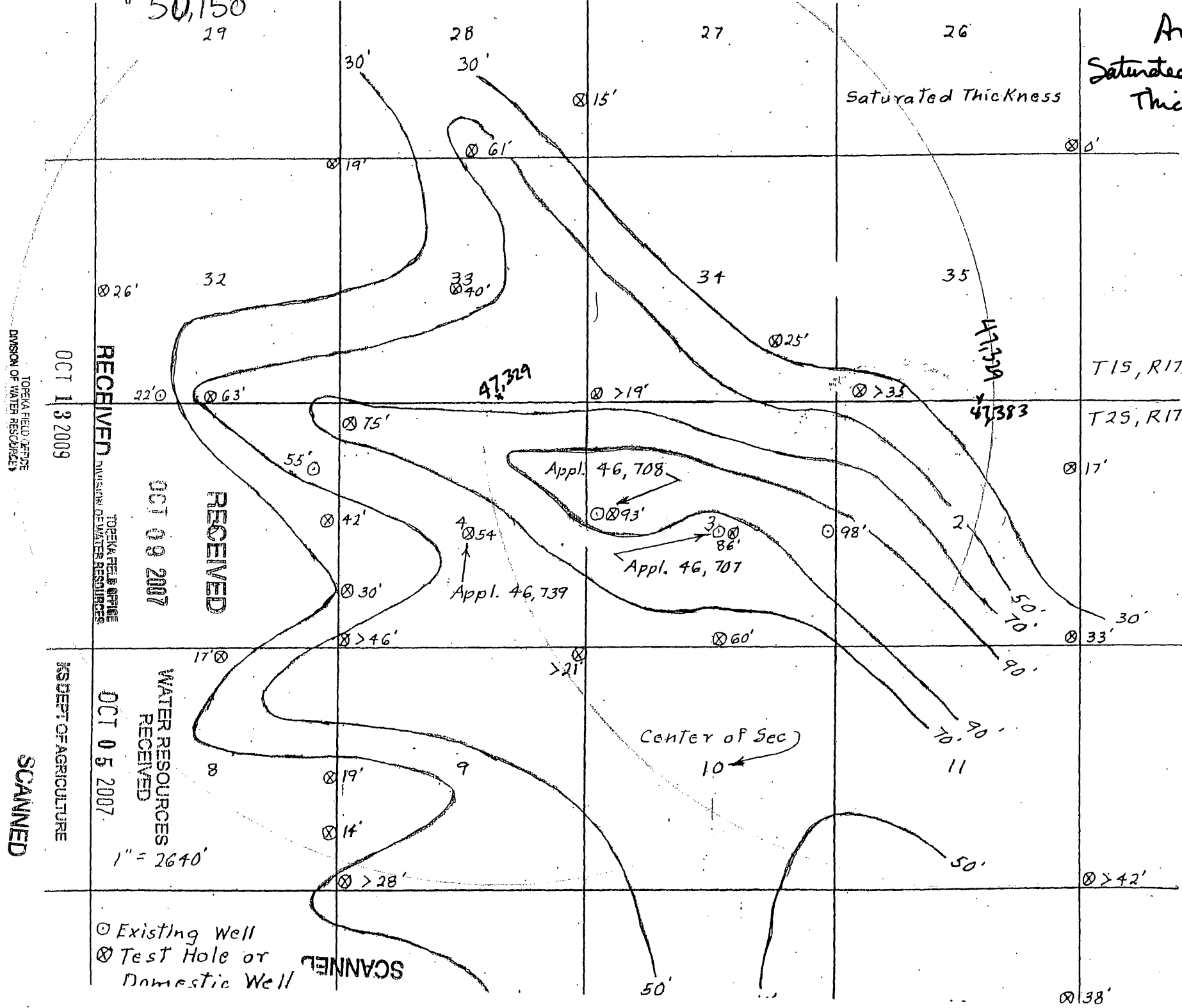


Area Saturated Thickness

Subject

Date

50,150



TOROKA FIELD OFFICE
DIVISION OF WATER RESOURCES

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OCT 05 2007
WATER RESOURCES

DEPT. OF AGRICULTURE
SCANNED

○ Existing Well
⊗ Test Hole or Domestic Well

SCANNED

WATER WELL RECORD

Form WWC-5

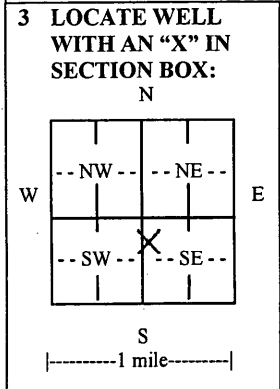
Division of Water Resources App. No.

#47,383

1 LOCATION OF WATER WELL: Fraction SW 1/4 SW 1/4 NW 1/4 SE 1/4 Section Number 35 Township No. T 1 S Range Number R 17 [X]E []W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: 1/2 mile East of 280th & Mulberry Rd, 1/3 mile north Global Positioning System (GPS) information: Latitude: 39.918222 Longitude: -95.480027

2 WATER WELL OWNER: Howard Farms Inc. RR#, Street Address, Box #: 1606 280th St. City, State, ZIP Code : Hiawatha, KS 66434 Collection Method: [X] GPS unit (Make/Model: Garmin 12xl)



4 DEPTH OF COMPLETED WELL 87 ft. Depth(s) Groundwater Encountered (1) 49 ft. (2) ft. (3) ft. WELL'S STATIC WATER LEVEL 49.5 ft. below land surface measured on mo/day/yr. 05/02/2010 EST. YIELD 240 gpm. Bore Hole Diameter 14 in. to 87 ft. WELL WATER TO BE USED AS: [X] Irrigation [] Industrial [] Domestic-lawn & garden [] Monitoring well

5 TYPE OF CASING USED: [] Steel [X] PVC [] Other CASING JOINTS: [X] Glued [] Clamped [] Welded [] Threaded Casing diameter 8 in. to 87 ft., Diameter in. to ft., Diameter in. to ft. Casing height above land surface 24 in., Weight 7.07 lbs./ft., Wall thickness or gauge No. 0.41"

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 [X] Mill slot [] Gauze wrapped [] Torch cut [] Drilled holes [] None (open hole)

SCREEN-PERFORATED INTERVALS: From 67 ft. to 87 ft., From ft. to ft., From ft. to ft. GRAVEL PACK INTERVALS: From 25 ft. to 87 ft., From ft. to ft., From ft. to ft.

6 GROUT MATERIAL: [] Neat cement [] Cement grout [X] Bentonite [] Other Grout Intervals: From 5 ft. to 25 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)

Table with columns: FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Rows include: 0-4 no sample, 4-15 clay silty brown, 15-34 clay silty light brown, 34-36 gravel course, 36-49 clay brown, 49-65 sand & gravel, 65-83 finer sand & gravel, 83-87 gravel coarse, 87-94 clay brown, 94-100 gravel fine uniform angular.

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) 04/27/2010 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 779 This Water Well Record was completed on (mo/day/year) 06/02/2010 under the business name of Drill-Well, LLC by (signature) [Signature]

INSTRUCTIONS: Use typewriter or ball point pen. PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks and check the correct answers. Send three copies (white, blue, pink) to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Telephone 785-296-5522. 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.

South Well W/POCA

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JUL 09 2010

TOPEKA FIELD OFFICE DIVISION OF WATER RESOURCES

WATER WELL RECORD

Form WWC-5

Division of Water Resources App. No.

47,383

1 LOCATION OF WATER WELL: County: Brown	Fraction NE ¼ SE ¼ SW ¼ SE ¼	Section Number 35	Township No. T 1 S	Range Number R 17 <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 .
About 1/4 mile West & 1/8 North of 280th and NightHawk Rd.

Global Positioning System (GPS) information:
 Latitude: ..39.9154330..... (in decimal degrees)
 Longitude: -95.4761160..... (in decimal degrees)
 Elevation:
 Datum: WGS 84, NAD 83, NAD 27
 Collection Method:
 GPS unit (Make/Model: **Garmin 12xl**.....)
 Digital Map/Photo, Topographic Map, Land Survey
 Est. Accuracy: <3 m, 3-5 m, 5-15 m, >15 m

2 WATER WELL OWNER: Howard Farms Inc.
 RR#, Street Address, Box #: 1606 280th St.
 City, State, ZIP Code : Hiawatha, KS 66434

3 LOCATE WELL WITH AN "X" IN SECTION BOX:
 N

W	NW	NE	E
	SW	SE	
		X	

 S
 |-----1 mile-----|

4 DEPTH OF COMPLETED WELL .95..... ft.
 Depth(s) Groundwater Encountered (1).46..... ft. (2).70..... ft. (3)..... ft.
 WELL'S STATIC WATER LEVEL .45..... ft. below land surface measured on mo/day/yr. 09/30/2009...
 Pump test data: Well water was..... ft. after..... hours pumping..... gpm
 EST. YIELD..... gpm. Well water was..... ft. after..... hours pumping..... gpm
 Bore Hole Diameter 14..... in. to .95..... 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 .8..... in. to .95..... ft., Diameter..... in. to..... ft., Diameter..... in. to..... ft.
 Casing height above land surface .24..... in., Weight 5.39..... lbs./ft., Wall thickness or gauge No. 0.322.....
 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 .65..... ft. to .95..... ft., From..... ft. to..... ft.
 From..... ft. to..... ft., From..... ft. to..... ft.
 GRAVEL PACK INTERVALS: From .25..... ft. to .95..... 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 .5..... ft. to .25..... 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	4	no sample	70	75	sand F-M
4	11	clay silty brown	75	89	sand to gravel w/intermittent clay
11	18	clay sandy brown	89	101	clay gray
18	32	clay sandy light brown	101	112	shale olive RECEIVED
32	38	sand M-C	112	121	shale gray
38	46	clay light brown	121		limestone MAR 17 2010
46	50	sand F-M brown			
50	59	clay silty gray			
59	62	sand F-M brown			
62	70	clay sandy brown			

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) .11/06/2009..... and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. .779..... This Water Well Record was completed on (mo/day/year) .11/21/2009..... under the business name of ..Drill-Well, LLC..... 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 three copies (white, blue, pink) to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Telephone 785-296-5522. 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>.

NE WELL TEST HOLE 2

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

10/30/2018

TERRY RESCHKE
505 NAVAJO ST
HIAWATHA, KS 66434

RE: Application, File No. **50150**

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. 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

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.

600 (A) One in the NW quarter of the SE quarter of the SW quarter of Section 35, more particularly described as being near a point 1070 feet North and 4050 feet West of the Southeast corner of said section, in Township 1 South, Range 17E East/West (circle one), Brown County, Kansas.

well-1 (B) One in the NW quarter of the SE quarter of the SW quarter of Section 35, more particularly described as being near a point 830 feet North and 3912 feet West of the Southeast corner of said section, in Township 1 South, Range 17 (E) East/West (circle one), Brown County, Kansas.

well-2 (C) One in the SW quarter of the NE quarter of the SW quarter of Section 35, more particularly described as being near a point 1330 feet North and 3950 feet West of the Southeast corner of said section, in Township 1 South, Range 17 (E) East/West (circle one), Brown 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

(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 23rd of OCT, 2018 Perry Randle
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 Battery of well (4)
(number of wells, pumps or dams, etc.)

and (was)(will be) completed (by) July 1 2019
(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 July 1 2019
(Mo/Day/Year)

Water Resources
Received
OCT 26 2018
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KS Dept Of Agriculture

50150



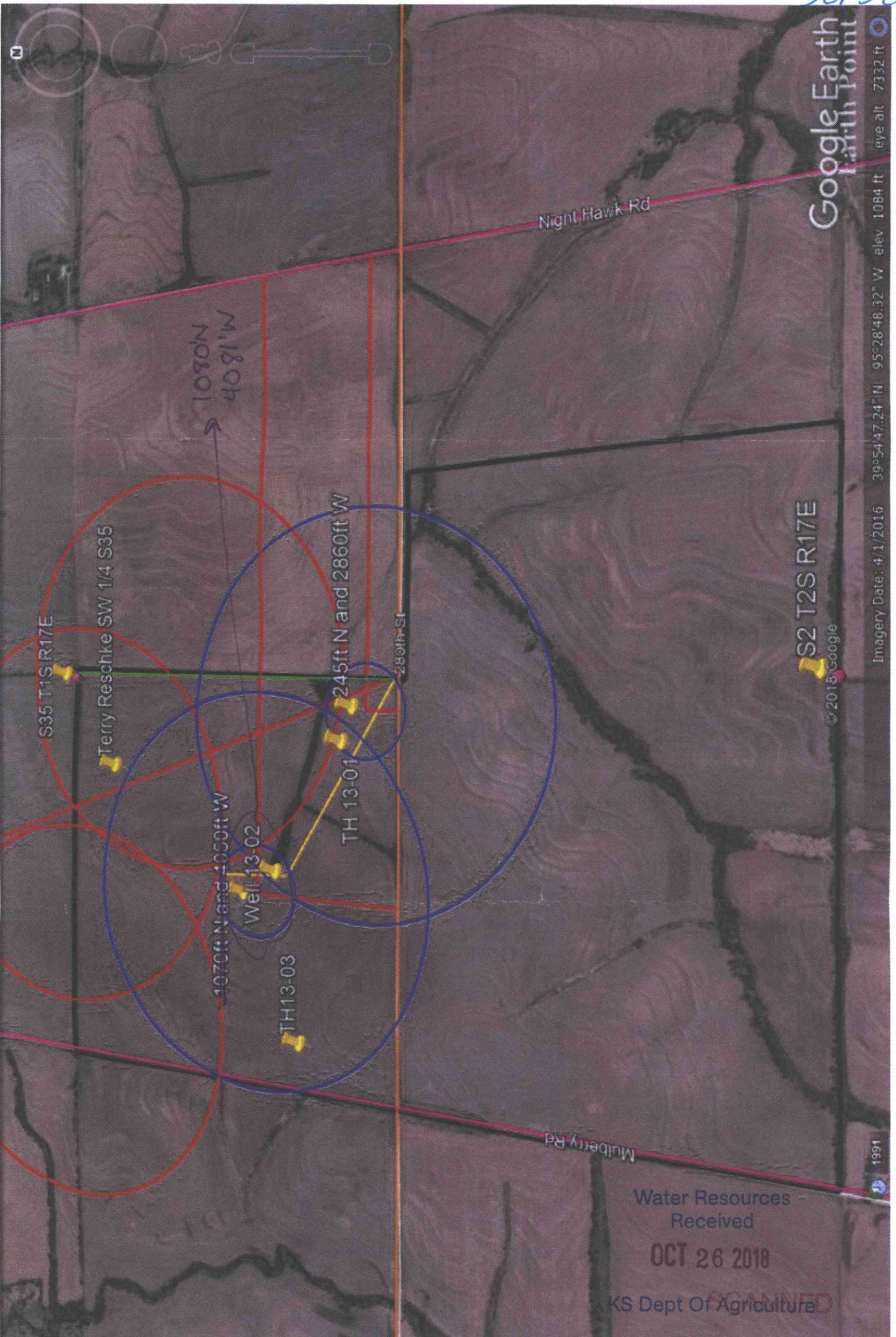
Google Earth
Earth Point

Imagery Date: 4/1/2016 39°54'47.24" N 95°28'48.32" W elev 1084 ft eye alt 7332 ft

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5015-0



Google Earth
Earth Point

Night Hawk Rd

1080'N
4081'W

S35 T1S R17E

Terry Reschke SW 1/4 S35

1070ft N and 1050ft W

Well 13-02

TH13-03

245ft N and 2860ft W

TH 13-01

280th St

S2 T2S R17E

Mulberry Rd

Water Resources
Received

OCT 26 2018

KS Dept Of Agriculture

Imagery Date: 4/1/2016 39°54'47.24" N 95°28'48.32" W elev 1084 ft eye alt 7332 ft

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