

# NOTICE

This scan only represents the application as filed. The information contained herein meets the requirements of K.A.R. 5-3-1 or K.A.R. 5-5-1, and has been found acceptable for filing in the office of the Chief Engineer. The application should not be considered to be a complete application as per K.A.R. 5-3-1b or K.A.R. 5-5-2a.

THE STATE

OF



KANSAS

KANSAS DEPARTMENT OF AGRICULTURE  
Jackie McClaskey, Secretary of Agriculture

DIVISION OF WATER RESOURCES  
David W. Barfield, Chief Engineer

File Number 49,896  
This item to be completed by the Division of Water Resources.

WATER RESOURCES  
RECEIVED

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

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

AUG 30 2017  
10:09  
KS DEPT OF AGRICULTURE

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

1. Name of Applicant (Please Print): JOHN H & BARBARA D TAYLOR  
Address: 2860 ZEANDALE RD  
City: MANHATTAN State: KS Zip Code 66502-9383  
Telephone Number: (785) 776-0260

2. The source of water is:  surface water in \_\_\_\_\_ (stream)  
OR  groundwater in KANSAS RIVER BASIN (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 99 acre-feet OR \_\_\_\_\_ gallons per calendar year, to be diverted at a maximum rate of 1800 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 0 Meets K.A.R. 5-3-1 (YES / NO) Use IRR Source GYS County RL By KAB Date 8/30/17  
Code REG Fee \$ 200 TR # \_\_\_\_\_ Receipt Date 8/30/17 Check # credit

8/30/2017

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 \_\_\_\_\_ quarter of the \_\_\_\_\_ quarter of the East Half of Section 26, more particularly described as being near a point \_\_\_\_\_ feet North and \_\_\_\_\_ feet West of the Southeast corner of said section, in Township 10 South, Range 8 EAST, RILEY \_\_\_\_\_ County, Kansas.

**\*60 DAYS TO LOCATE (See Site Map for test hole tract)**

(B) One in the SE quarter of the NW quarter of the NE quarter of Section 26, more particularly described as being near a point \_\_\_\_\_ feet North and \_\_\_\_\_ feet West of the Southeast corner of said section, in Township 10 South, Range 8 East/West (circle one), Riley \_\_\_\_\_ County, Kansas.

(C) One in the \_\_\_\_\_ quarter of Section \_\_\_\_\_, more particularly described as being near \_\_\_\_\_ of the Southeast corner of said section, in Township \_\_\_\_\_, \_\_\_\_\_ County, Kansas.

(D) One in the \_\_\_\_\_ quarter of Section \_\_\_\_\_, more particularly described as being near \_\_\_\_\_ of the Southeast corner of said section, in Township \_\_\_\_\_, \_\_\_\_\_ County, Kansas.

If the source of supply is ground wells, except that a single aquifer in the same local source of water.

A battery of wells is defined as more than four wells in the same aquifer pumps not to exceed a total common distribution system

for each proposed well or battery of wells a circle with a quarter (1/4) mile radius and a flow rate of 20 gallons per minute per

well or pump by a manifold; or not more than four wells which are being operated by a common pump and which supply water to a

Handwritten notes: 2640 N, 1320, 3960 N, 1320 W

6. The owner of the point of diversion, if other than the applicant is (please print):

Ventria Bioscience (c/o Allen Friedrichs) 2718 Industrial Dr. Junction City, KS 66441 (785) 238-1101  
(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 30 Aug, 2017. Allen Friedrichs  
Applicant's Signature

7. The proposed project for diversion of water will consist of ONE WELL  
(number of wells, pumps or dams, etc.)  
and (was)(will be) completed (by) SPRING 2018  
(Month/Day/Year - each was or will be completed)

WATER RESOURCES RECEIVED

8. The first actual application of water for the proposed beneficial use was or is estimated to be SPRING 2018  
(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 \_\_\_\_\_
- If no, explain here why a Water Structures permit is not required \_\_\_\_\_

GROUNDWATER WELL

- 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 ½ 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 ½ mile, please advise us.
- (c) If the application is for surface water, the names and addresses of the landowner(s) ½ mile downstream and ½ 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.

TERM PERMIT

\_\_\_\_\_

WATER RESOURCES  
RECEIVED

\_\_\_\_\_

AUG 30 2017

\_\_\_\_\_

KS DEPT OF AGRICULTURE

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

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

Well location as shown in paragraph No.	(A)	(B)	(C)	(D)
Date Drilled	<u>30JAN15</u>	_____	_____	_____
Total depth of well	<u>87 ft</u>	_____	_____	_____
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):

\_\_\_\_\_  
(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 \_\_\_\_\_, Kansas, this 30 day of August, 2017.  
(month) (year)

John H. Taylor  
(Applicant Signature)

[REDACTED]  
APPLICANT(S) SOCIAL SECURITY IDENTIFICATION NUMBER(S)

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

\_\_\_\_\_  
and/or  
APPLICANT(S) TAXPAYER I.D. NO.(S)

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

Assisted by DWS

TOPEKA FO  
(office/title)

Date: 1/7/2016

WATER RESOURCES RECEIVED

**AUG 30 2017**

## IRRIGATION USE SUPPLEMENTAL SHEET

File No. \_\_\_\_\_

Name of Applicant (Please Print): JOHN H & BARBARA D TAYLOR

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: JOHN H & BARBARA D TAYLOR  
 ADDRESS: 2860 ZEANDALE RD, MANHATTAN, KS 66502-9383

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
26	10	8E		40	10	40													90

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

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

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

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

WATER RESOURCES  
RECEIVED

**AUG 30 2017**

2. Please complete the following information for the description of the operation for the irrigation project. Attach supplemental sheets as needed.

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

Soil Name	Percent of field (%)	Intake Rate (in/hr)	Irrigation Design Group
<u>Muscotah silty clay</u>	<u>98.5</u>	<u>0 - 0.06</u>	<u>                    </u>
<u>Chase silty clay</u>	<u>1.5</u>	<u>0.06 - 0.20</u>	<u>                    </u>
<u>                                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
<u>                                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
<u>                                    </u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
<b>Total:</b>	<b>100 %</b>		

b. Estimate the average land slope in the field(s): 0 - 1 %

Estimate the maximum land slope in the field(s): 1 - 2 %

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: Border containment with intermediate levees and spills.

d. System design features:

i. Describe how you will control tailwater: Tailwater from the fields will be directed to the drainage ditch currently in place at the borders of the area of use.

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: The primary crop being irrigated is rice. Soybeans are planted as a rotation crop every third year and would not be irrigated except under very dry conditions.

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). Flush field if insufficient rainfall for germination. Maintain permanent flood for 3 months at a depth of 2-3 inches standing water. Pump additional water when the level drops.

WATER RESOURCES  
DIVISION

AUG 30 2017

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

KS DEPT OF AGRICULTURE

Names and Addresses of well owners in ½ mile radius.

Darrell Parks  
1001 E. 26<sup>th</sup> Ave.  
Manhattan, KS 66502

Roger Seymour (I-70 Properties)  
314-F Tuttle Creek PL  
Manhattan, KS 66502

John Taylor  
2860 Zeandale Rd.  
Manhattan, KS 66502

Janet Crocker (Leroy Miller – deceased)  
1048 Brianna CT  
Manhattan, KS 66503

WATER RESOURCES  
RECEIVED

AUG 30 2017

KS DEPT OF AGRICULTURE





**FORM TO BE USED WHEN APPLICABLE  
WHEN FILING AN APPLICATION FOR PERMIT  
TO APPROPRIATE WATER FOR BENEFICIAL USE**

The Kansas Legislature has established minimum desirable streamflows for the streams listed below. If your proposed diversion of water is going to be from one of these watercourses or adjacent alluvial aquifers, please complete the back side of this page and submit it along with your application for permit to appropriate water.

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

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

Assurance Districts have been formed on the following rivers:

Kansas River                      Marias des Cygnes River                      Neosho River

The Kansas Water Office has Water Reservation Rights for the following reservoirs:

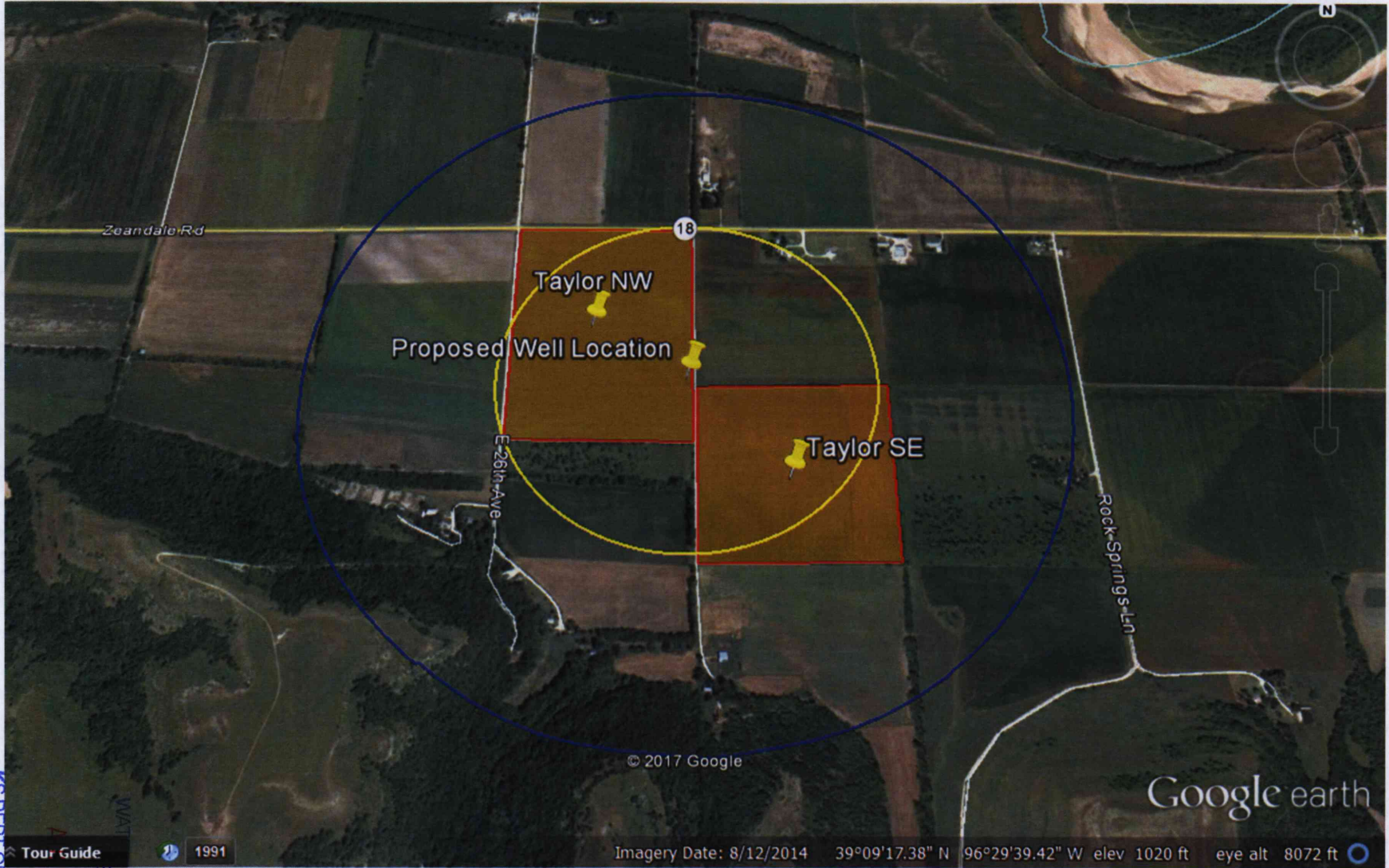
Big Hill	Marion
Clinton	Melvern
Council Grove	Milford
Elk City	Perry
Hillsdale	Pomona
John Redmond	Tuttle Creek

WATER RESOURCES  
RECEIVED

AUG 30 2017

KS DEPT OF AGRICULTURE

Proposed well location with place of use. Well located approximately 1260 ft. south from Hwy. 18 and 1230 ft. east of E. 26<sup>th</sup> Ave.



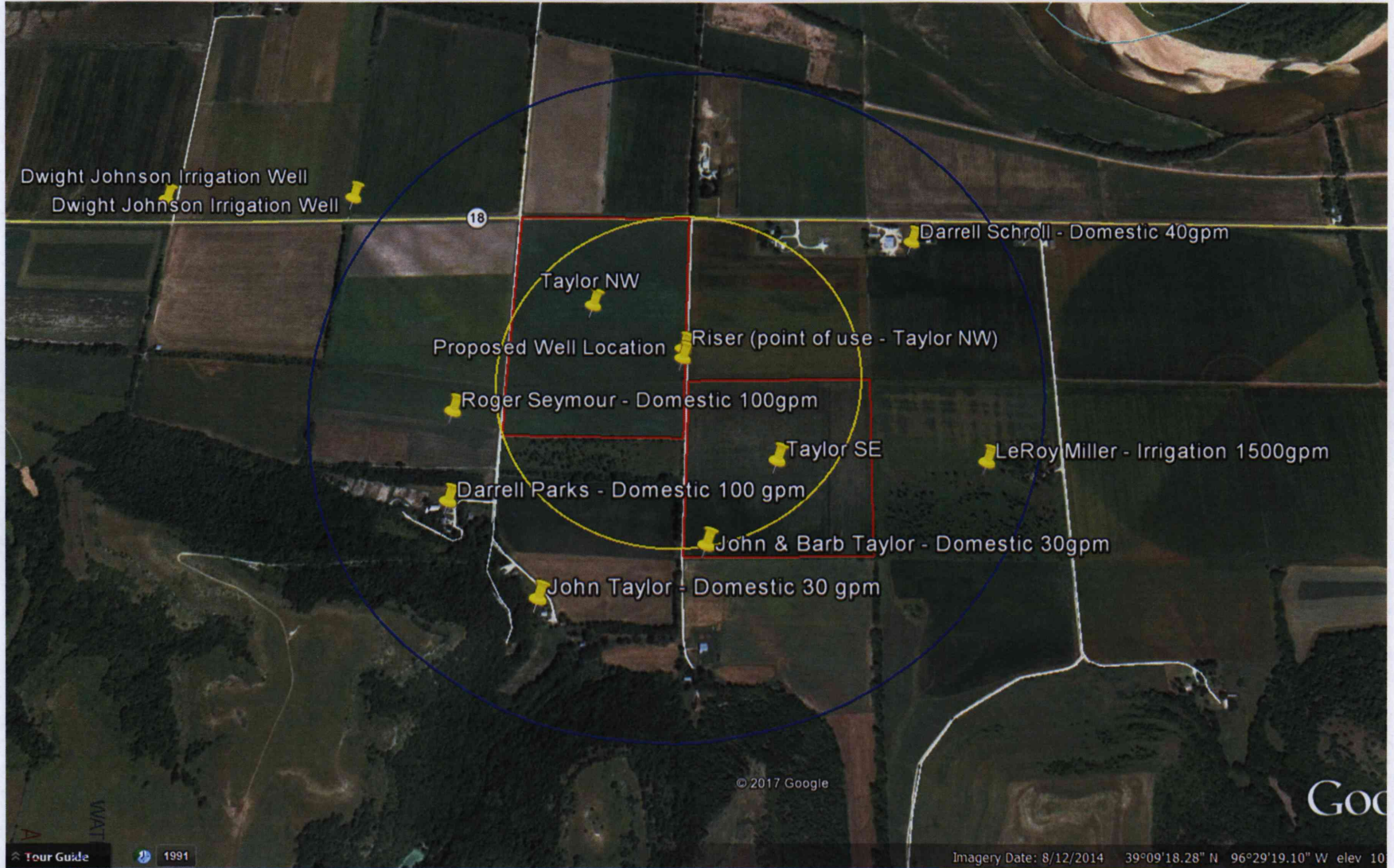
KANSAS DEPT. OF AGRICULTURE

Tour Guide

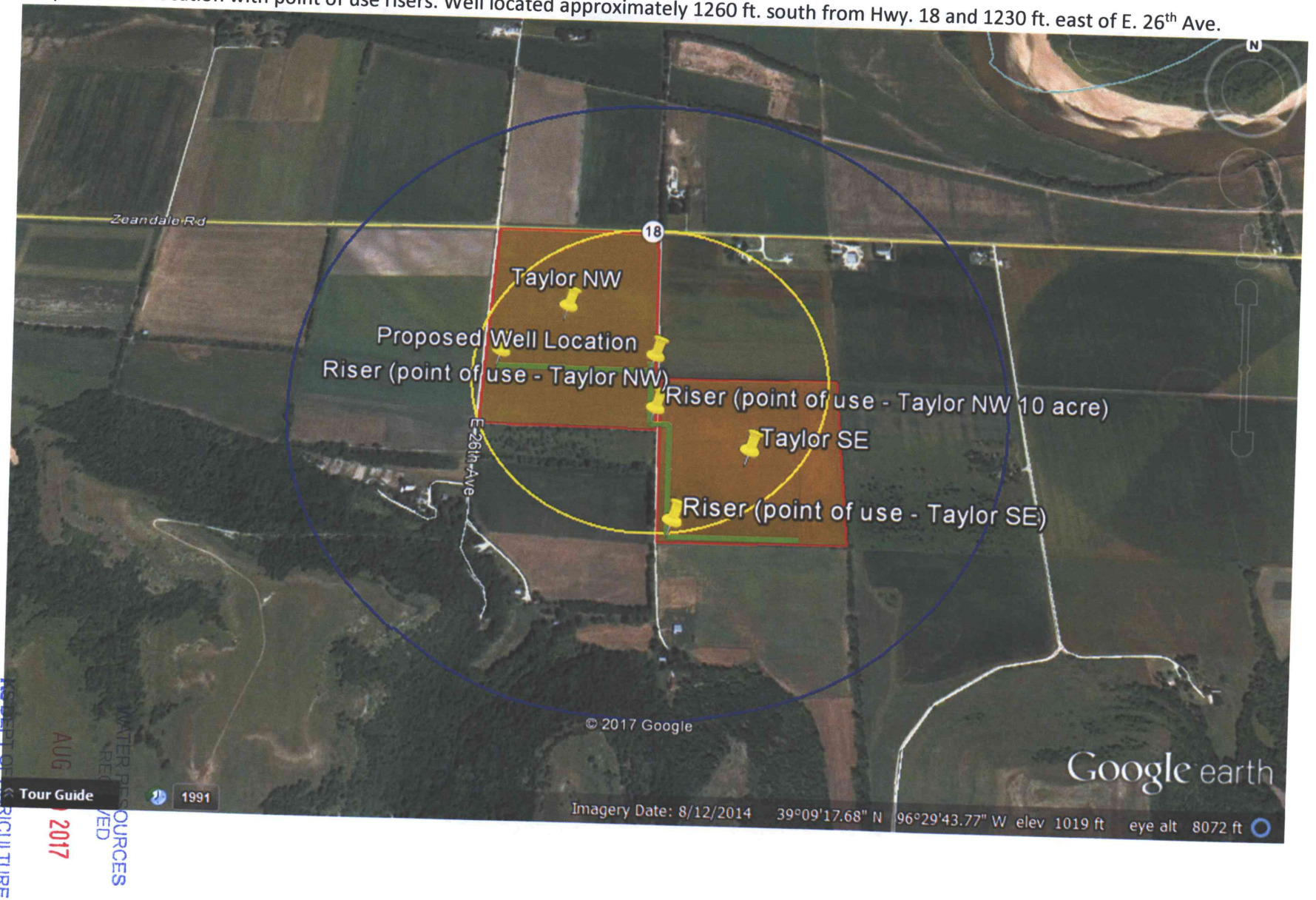
30 2017

RESOURCES RECEIVED

Proposed well location with ¼ and ½ mile radius. Surrounding wells located using KGS Water wells map.



Proposed well location with point of use risers. Well located approximately 1260 ft. south from Hwy. 18 and 1230 ft. east of E. 26<sup>th</sup> Ave.



KS DEPT OF AGRICULTURE

AUG

2017

WATER RESOURCES  
RESEARCH

Tour Guide



1991

© 2017 Google  
Imagery Date: 8/12/2014 39°09'17.68" N 96°29'43.77" W elev 1019 ft eye alt 8072 ft

Google earth