

AMENDED

Submit To: CHIEF ENGINEER
Division of Water Resources
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, Kansas 66502
http://agriculture.ks.gov/dwr

APPLICATION FOR APPROVAL TO
CHANGE THE PLACE OF USE, THE
POINT OF DIVERSION OR THE USE
MADE OF THE WATER UNDER AN
EXISTING WATER RIGHT



State of Kansas

Filing Fee Must Accompany the Application
(Please refer to Fee Schedule on signature page of application form.)

Paragraph Nos. 1, 2, 3, 4 & 8 must be completed. Complete all other applicable portions. A topographic map or detailed plat showing the authorized and proposed points(s) of diversion and for place of use must accompany this application.

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1. Application is hereby made for approval of the Chief Engineer to change the

- Place of Use
Point of Diversion
Use Made of Water

(Check one or more)

File No. 21,731 Circles 2, 3, 4, & 5.

2. Name of applicant: City of Hays, Kansas and City of Russell, Kansas (See paragraph 2 of the cover letter.)

Address: c/o Foulston Siefkin LLP, 1551 N. Waterfront Parkway, Suite 100

City, State and Zip: Wichita, Kansas 67206

Phone Number: (316) 291-9725 E-mail address: dtraster@foulston.com

What is your relationship to the water right; owner tenant agent other? If other, please explain. Hays and Russell are co-owners of the authorized place of use on the R9 Ranch in Edwards County.

Name of water use correspondent: City of Hays, Kansas

Address: P. O. Box 490, 1507 Main Street

City, State and Zip: Hays, Kansas 67601

Phone Number: (785) 628-7320 E-mail address: tdougherty@haysusa.com

3. The change(s) proposed herein are desired for the following reasons (please be specific): See Paragraph 3 of the cover letter filed concurrently with this application. The cover letter is incorporated herein by reference.

The change(s) (was) (will be) completed by See Paragraph 3 of the cover letter (Date)

For Office Use Only:
F.O. GMD Meets K.A.R. 5-5-1 (YES/NO) Use Source G/S County By Date
Code Fee \$ TR # Receipt Date Check #

4. The presently authorized place of use is:

Owner of Land — NAME: City of Hays, Kansas

ADDRESS: P.O. Box 490, 1507 Main Street, Hays, Kansas 67601

Sec.	Twp.	Range	NE¼				NW¼				SW¼				SE¼				TOTAL ACRES
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
30-T25S-R19W													Lot 4 30	40					70.00
31-T25S-R19W			40	33	40	33	33	Lot 1 29	Lot 2 24	38	40	Lot 3 39.77	Lot 4 2	7	40	40	40	40	518.77
32-T25S-R19W												12	12						24.00
36-T25S-R20W																	Lot 6 3		3.00

List any other water rights that cover this place of use: None

Owner of Land — NAME: City of Russell, Kansas

ADDRESS: 133 W. 8th Street, Russell, Kansas 67665

Sec.	Twp.	Range	NE¼				NW¼				SW¼				SE¼				TOTAL ACRES
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
			Same as above																

List any other water rights that cover this place of use: None

(If there are more than two landowners, attach additional sheets as necessary.)

5. It is proposed that the place of use be changed to:

Owner of Land — NAME: City of Hays, Kansas

ADDRESS: P.O. Box 490, 1507 Main Street, Hays, Kansas 67601

Sec.	Twp.	Range	NE¼				NW¼				SW¼				SE¼				TOTAL ACRES
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
			See Attachment.																

List any other water rights that cover this place of use: See paragraph 5 of the cover letter.

Owner of Land — NAME: City of Russell, Kansas

ADDRESS: 133 W. 8th Street, Russell, Kansas 67665

Sec.	Twp.	Range	NE¼				NW¼				SW¼				SE¼				TOTAL ACRES
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
			See Attachment.																

List any other water rights that cover this place of use: See paragraph 5 of the cover letter.

**IF MORE SPACE IS NEEDED, ATTACH ADDITIONAL SHEETS AS NECESSARY**

**Substitute**

- 6. The presently authorized point(s) of diversion (is) (are) irrigation well(s) described in paragraph 8, infra.  
(Provide description and number of points)
- 7. The proposed point(s) of diversion (is) (are) one or more municipal wells; see paragraph 7 of the cover letter.  
(Provide description and number of points)

**List all presently authorized point(s) of diversion:**

8. **Presently authorized point of diversion:**  
 One in the SW Quarter of the SE Quarter of the SW Quarter of Section 30, Township 25 South, Range 19 (~~E/W~~), in Edwards County, Kansas, 380 feet North 3,785 feet West of Southeast corner of section. Authorized Rate 450 gpm Authorized Quantity 80 a/f  
 (DWR use only: Computer ID No. \_\_\_\_\_ GPS \_\_\_\_\_ feet North \_\_\_\_\_ feet West)  
 This point will not be changed  This point will be changed as follows:  
**Proposed point of diversion: (Complete only if change is requested)**  
 One in the NW Quarter of the NE Quarter of the SW Quarter of Section 30, Township 25 South, Range 19 (~~E/W~~), in Edwards County, Kansas, 2,282 feet North 3,870 feet West of Southeast corner of section. Proposed Rate See Attachment Proposed Quantity See Attachment  
 This point is:  Additional Well  Geo Center List other water rights that will use this point 21,730

9. **Presently authorized point of diversion:**  
 One in the near the center Quarter of the \_\_\_\_\_ Quarter of the NE Quarter of Section 31, Township 25 South, Range 19 (~~E/W~~), in Edwards County, Kansas, 3,975 feet North 1,270 feet West of Southeast corner of section. Authorized Rate 605 gpm Authorized Quantity 162 a/f  
 (DWR use only: Computer ID No. \_\_\_\_\_ GPS \_\_\_\_\_ feet North \_\_\_\_\_ feet West)  
 This point will not be changed  This point will be changed as follows:  
**Proposed point of diversion: (Complete only if change is requested)**  
 One in the SW Quarter of the SW Quarter of the NE Quarter of Section 31, Township 25 South, Range 19 (~~E/W~~), in Edwards County, Kansas, 3,142 feet North 2,099 feet West of Southeast corner of section. Proposed Rate See Attachment Proposed Quantity See Attachment  
 This point is:  Additional Well  Geo Center List other water rights that will use this point \_\_\_\_\_

10. **Presently authorized point of diversion:**  
 One in the NW Quarter of the NE Quarter of the SW Quarter of Section 31, Township 25 South, Range 19 (~~E/W~~), in Edwards County, Kansas, 2,460 feet North 3,660 feet West of Southeast corner of section. Authorized Rate 735 gpm Authorized Quantity 177 a/f  
 (DWR use only: Computer ID No. \_\_\_\_\_ GPS \_\_\_\_\_ feet North \_\_\_\_\_ feet West)  
 This point will not be changed  This point will be changed as follows:  
**Proposed point of diversion: (Complete only if change is requested)**  
 One in the SW Quarter of the SW Quarter of the NE Quarter of Section 31, Township 25 South, Range 19 (~~E/W~~), in Edwards County, Kansas, 3,142 feet North 2,099 feet West of Southeast corner of section. Proposed Rate See Attachment Proposed Quantity See Attachment  
 This point is:  Additional Well  Geo Center List other water rights that will use this point \_\_\_\_\_

- 11. Describe the current condition of and future plans for any point(s) of diversion which will no longer be used. \_\_\_\_\_  
 See paragraph 11 of the cover letter.

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**Substitute**

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- 6. The presently authorized point(s) of diversion (is) (are) irrigation well(s) described in paragraph 8, infra.  
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- 7. The proposed point(s) of diversion (is) (are) one or more municipal wells; see paragraph 7 of the cover letter.  
(Provide description and number of points)

**List all presently authorized point(s) of diversion:**

8. **Presently authorized point of diversion:**  
 One in the near the center Quarter of the W/2 Quarter of the NE of the SE Quarter of Section 31, Township 25 South, Range 19 (E/W), in Edwards County, Kansas, 1,925 feet North 3,810 feet West of Southeast corner of section. Authorized Rate 525 gpm Authorized Quantity 126 a/f  
 (DWR use only: Computer ID No. \_\_\_\_\_ GPS \_\_\_\_\_ feet North \_\_\_\_\_ feet West)  
 This point will not be changed  This point will be changed as follows:  
**Proposed point of diversion: (Complete only if change is requested)**  
 One in the SW Quarter of the SW Quarter of the NE Quarter of Section 31, Township 25 South, Range 19 (E/W), in Edwards County, Kansas, 3,142 feet North 2,099 feet West of Southeast corner of section. Proposed Rate See Attachment Proposed Quantity See Attachment  
 This point is:  Additional Well  Geo Center List other water rights that will use this point \_\_\_\_\_

9. **Presently authorized point of diversion:**  
 One in the SE Quarter of the NE Quarter of the SE Quarter of Section 31, Township 25 South, Range 19 (E/W), in Edwards County, Kansas, 1,899 feet North 54 feet West of Southeast corner of section. Authorized Rate 380 gpm Authorized Quantity 87 a/f  
 (DWR use only: Computer ID No. \_\_\_\_\_ GPS \_\_\_\_\_ feet North \_\_\_\_\_ feet West)  
 This point will not be changed  This point will be changed as follows:  
**Proposed point of diversion: (Complete only if change is requested)**  
 One in the SW Quarter of the SW Quarter of the NE Quarter of Section 31, Township 25 South, Range 19 (E/W), in Edwards County, Kansas, 3,142 feet North 2,099 feet West of Southeast corner of section. Proposed Rate See Attachment Proposed Quantity See Attachment  
 This point is:  Additional Well  Geo Center List other water rights that will use this point \_\_\_\_\_

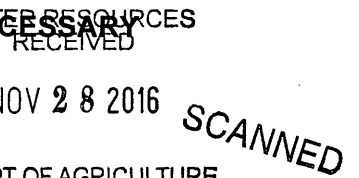
10. **Presently authorized point of diversion:**  
 One in the SE Quarter of the NE Quarter of the SE Quarter of Section 31, Township 25 South, Range 19 (E/W), in Edwards County, Kansas, 1,440 feet North 405 feet West of Southeast corner of section. Authorized Rate 245 gpm Authorized Quantity 56 a/f  
 (DWR use only: Computer ID No. \_\_\_\_\_ GPS \_\_\_\_\_ feet North \_\_\_\_\_ feet West)  
 This point will not be changed  This point will be changed as follows:  
**Proposed point of diversion: (Complete only if change is requested)**  
 One in the SW Quarter of the SW Quarter of the NE Quarter of Section 31, Township 25 South, Range 19 (E/W), in Edwards County, Kansas, 3,142 feet North 2,099 feet West of Southeast corner of section. Proposed Rate See Attachment Proposed Quantity See Attachment  
 This point is:  Additional Well  Geo Center List other water rights that will use this point \_\_\_\_\_

- 11. Describe the current condition of and future plans for any point(s) of diversion which will no longer be used. See paragraph 11 of the cover letter.

**IF MORE SPACE IS NEEDED, ATTACH ADDITIONAL SHEETS AS NECESSARY**

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6. The presently authorized point(s) of diversion (is) (are) irrigation well(s) described in paragraph 8, infra.  
(Provide description and number of points)
7. The proposed point(s) of diversion (is) (are) one or more municipal wells; see paragraph 7 of the cover letter.  
(Provide description and number of points)

**List all presently authorized point(s) of diversion:**

8. **Presently authorized point of diversion:**  
 One in the NW Quarter of the NE Quarter of the NW Quarter of Section 31, Township 25 South, Range 19 (E/W), in Edwards County, Kansas, 5,125 feet North 3,920 feet West of Southeast corner of section. Authorized Rate 625 gpm Authorized Quantity 192 a/f  
 (DWR use only: Computer ID No. \_\_\_\_\_ GPS \_\_\_\_\_ feet North \_\_\_\_\_ feet West)  
 This point will not be changed  This point will be changed as follows:  
**Proposed point of diversion: (Complete only if change is requested)**  
 One in the NW Quarter of the NE Quarter of the SW Quarter of Section 30, Township 25 South, Range 19 (E/W), in Edwards County, Kansas, 2,282 feet North 3,870 feet West of Southeast corner of section. Proposed Rate See Attachment Proposed Quantity See Attachment  
 This point is:  Additional Well  Geo Center List other water rights that will use this point 21,730 & 37,462

9. **Presently authorized point of diversion:**  
 One in the \_\_\_\_\_ Quarter of the \_\_\_\_\_ Quarter of the \_\_\_\_\_ Quarter of Section \_\_\_\_\_, Township \_\_\_\_\_ South, Range \_\_\_\_\_ (E/W), in \_\_\_\_\_ County, Kansas, \_\_\_\_\_ feet North \_\_\_\_\_ feet West of Southeast corner of section. Authorized Rate \_\_\_\_\_ Authorized Quantity \_\_\_\_\_  
 (DWR use only: Computer ID No. \_\_\_\_\_ GPS \_\_\_\_\_ feet North \_\_\_\_\_ feet West)  
 This point will not be changed  This point will be changed as follows:  
**Proposed point of diversion: (Complete only if change is requested)**  
 One in the \_\_\_\_\_ Quarter of the \_\_\_\_\_ Quarter of the \_\_\_\_\_ Quarter of Section \_\_\_\_\_, Township \_\_\_\_\_ South, Range \_\_\_\_\_ (E/W), in \_\_\_\_\_ County, Kansas, \_\_\_\_\_ feet North \_\_\_\_\_ feet West of Southeast corner of section. Proposed Rate \_\_\_\_\_ Proposed Quantity \_\_\_\_\_  
 This point is:  Additional Well  Geo Center List other water rights that will use this point \_\_\_\_\_

10. **Presently authorized point of diversion:**  
 One in the \_\_\_\_\_ Quarter of the \_\_\_\_\_ Quarter of the \_\_\_\_\_ Quarter of Section \_\_\_\_\_, Township \_\_\_\_\_ South, Range \_\_\_\_\_ (E/W), in \_\_\_\_\_ County, Kansas, \_\_\_\_\_ feet North \_\_\_\_\_ feet West of Southeast corner of section. Authorized Rate \_\_\_\_\_ Authorized Quantity \_\_\_\_\_  
 (DWR use only: Computer ID No. \_\_\_\_\_ GPS \_\_\_\_\_ feet North \_\_\_\_\_ feet West)  
 This point will not be changed  This point will be changed as follows:  
**Proposed point of diversion: (Complete only if change is requested)**  
 One in the \_\_\_\_\_ Quarter of the \_\_\_\_\_ Quarter of the \_\_\_\_\_ Quarter of Section \_\_\_\_\_, Township \_\_\_\_\_ South, Range \_\_\_\_\_ (E/W), in \_\_\_\_\_ County, Kansas, \_\_\_\_\_ feet North \_\_\_\_\_ feet West of Southeast corner of section. Proposed Rate \_\_\_\_\_ Proposed Quantity \_\_\_\_\_  
 This point is:  Additional Well  Geo Center List other water rights that will use this point \_\_\_\_\_

11. Describe the current condition of and future plans for any point(s) of diversion which will no longer be used. \_\_\_\_\_  
 See paragraph 11 of the cover letter.

**IF MORE SPACE IS NEEDED, ATTACH ADDITIONAL SHEETS AS NECESSARY**

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**5. It is proposed that the place of use be changed to:**

The City of Hays, Kansas and its immediate vicinity as well as related areas in the Northeast Quarter (NE/4) of Section 19 and the Northwest Quarter (NW/4) of Section 36, T13S-R18W, Ellis County, Kansas;

The City of Russell, Kansas and its immediate vicinity;

The City of Victoria, Kansas and its immediate vicinity;

The City of La Crosse, Kansas and its immediate vicinity; and

The City of Ellis, Kansas and its immediate vicinity.

Upon the execution of a contract to purchase water from the Project, the authorized place of use should include industrial facilities or the corporate limits of the municipality, rural water district, or other entity entering into such contract for purchase and in the case of a municipality, its immediate vicinity.

**7., 8., 9., and 10. Proposed Rate, Quantity, and Well Location**

The Cities requested a total of 991 acre-feet at 3,285 gallons per minute from the seven wells associated with this water right to be divided among new points of diversion "G" and "H," as shown on Exhibit S. The two existing wells in the southwest quarter of Section 30 and the northwest quarter of Section 31 total 222.93 acre-feet at 1,075 gallons per minute to be diverted from new point of diversion "G." The remaining wells total 768.07 acre-feet at 2,490 gallons per minute to be diverted from new point of diversion "H." When combined with existing wells from other water rights, new point of diversion "G" would have a cumulative total of 426.7 acre-feet at 1,870 gallons per minute and new point of diversion "H" would have a total of 768.07 acre-feet at 2,490 gallons per minute.

After extensive negotiation, the Cities and the Chief Engineer have reached a tentative agreement on numerous terms that are set out in an Initial Order, including an agreement to reduce the quantity requested to 880.0 acre-feet per year. The Cities understand that the Initial Order is subject to review by the GMD and others and cannot be finalized until after that review. The Cities submit these amendments to their original Change Application but the amendments are contingent upon the entry of an Initial Order and a Final Order with terms that are acceptable to the Cities.

Subject to the negotiated terms set out in the Initial Order, the proposed municipal well "G" will be limited to a maximum rate of 1,040 gallons per minute and proposed municipal well "H" will be limited to a maximum rate of 765 gallons per minute.

Attached as Exhibits Y, Z, AA, and BB are additional maps that show the location of the currently authorized points of diversion, a one-half mile buffer around each irrigation well, the proposed location of municipal wells "G" and "H," a 1,000-foot radius around that location, and the proposed areal limits within which the new municipal wells can be located.

**13. If changing the place of use and the use made of water, describe how the consumptive use will not be increased:**

*Quantity authorized and perfected*

The Permit was issued on February 27, 1976, granting the applicant the right to divert up to 1,090 acre-feet annually at a rate of up to 3,900 gallons per minute for irrigation use<sup>1</sup> on 621 acres in Sections 30, 31, and 32-T25S-R19W and Section 36-T25S-R20W,<sup>2</sup> or 1.755 acre-feet per acre. The Certificate further limited the quantity for the well located in the southwest quarter of the southwest quarter of Section 30 and the well located in the northwest quarter of the northeast quarter of the northwest quarter of Section 31 to 192 acre-feet when the wells were operated simultaneously.<sup>3</sup>

In the cover letter transmitting the Permit, DWR made findings of fact stating that “the proposed use is for a beneficial purpose and is *within reasonable limitations*. If priorities are observed and respected, the proposed use will neither impair any use under existing water rights nor prejudicially and unreasonably affect the public interest.”<sup>4</sup>

The Field Inspection Reports indicate that 998.73 of the 1,090 acre-feet authorized by the Permit were lawfully perfected. A total of 1,118 acre feet were applied to authorized acres.

- 230 acre-feet<sup>5</sup> and 118 acre feet<sup>6</sup> (348 acre-feet) were applied to 128 approved acres.
- 159 acre-feet<sup>7</sup> and 223 acre-feet<sup>8</sup> (382 acre-feet) were applied to 211 approved acres.
- 56 acre-feet<sup>9</sup> and 87 acre-feet<sup>10</sup> (143 acre-feet) were applied to 122 approved acres.
- 245 acre-feet were applied to 108 approved acres.<sup>11</sup>
- The Permit authorized the perfection of 1,090 acre-feet on 621 acres, or 1.755 acre-feet per acre, but only 569 authorized acres were irrigated during the perfection period, resulting in perfection of 998.73 acre feet

While the Certificate limits the total quantity to 880 acre-feet based on DWR’s after-the-fact determination that 1.5 acre-feet per acre was a reasonable quantity for irrigation use, DWR did not have jurisdiction to make this reduction.<sup>12</sup>

<sup>1</sup> Permit, HAYS001010-11, Ex. A.

<sup>2</sup> Application, HAYS001002, Ex. B.

<sup>3</sup> Certificate, HAYS001034, Ex. C.

<sup>4</sup> February 27, 1976, letter, HAYS001009, Ex. D (emphasis added).

<sup>5</sup> FIR, HAYS000986, Ex. E, and HAYS000997, Ex. F.

<sup>6</sup> FIR, HAYS000980, Ex. G.

<sup>7</sup> FIR, HAYS000944, Ex. H.

<sup>8</sup> FIR, HAYS000950, Ex. I.

<sup>9</sup> FIR, HAYS000961, Ex. J.

<sup>10</sup> FIR, HAYS000968, Ex. K.

<sup>11</sup> FIR, HAYS000975, Ex. L.

<sup>12</sup> Certificate, HAYS001034-1035, Ex. C; Doug Bush Memo dated March 20, 1995, HAYS001024-1025, Ex. M; and *Clawson v. Kansas Dept. of Agriculture, Div. of Water Resources*, 49 Kan. App. 2d 789, 315 P.3d 896 (2013).

Since the perfection period has expired, the “authorized quantity” for this water right is the 998.73 acre-feet actually perfected even though it exceeds the certified quantity.

*NIR for Alfalfa*

According to the Kansas Irrigation Guide, the NIR for the 50% chance rainfall in Edwards County is 20.9 (1.74 feet) inches for alfalfa.

Since alfalfa was grown on the authorized place of use during the perfection period,<sup>13</sup> it is reasonable to use the NIR for alfalfa, which yields a total quantity of 991.01 acre-feet consumed. While this quantity is greater than the quantity set out in the Certificate, it is less than the 998.73 perfected acre-feet, the “maximum annual quantity authorized by the water right.”<sup>14</sup>

Nevertheless, and pursuant to the negotiated terms set out in the Initial Order discussed above, the Cities request that the Chief Engineer approve a total of 880 acre-feet per year municipal use.

Subject to the negotiated terms set out in the Initial Order, the proposed municipal well “G” will be limited to a maximum rate of 1,040 gallons per minute and proposed municipal well “H” will be limited to a maximum rate of 765 gallons per minute.

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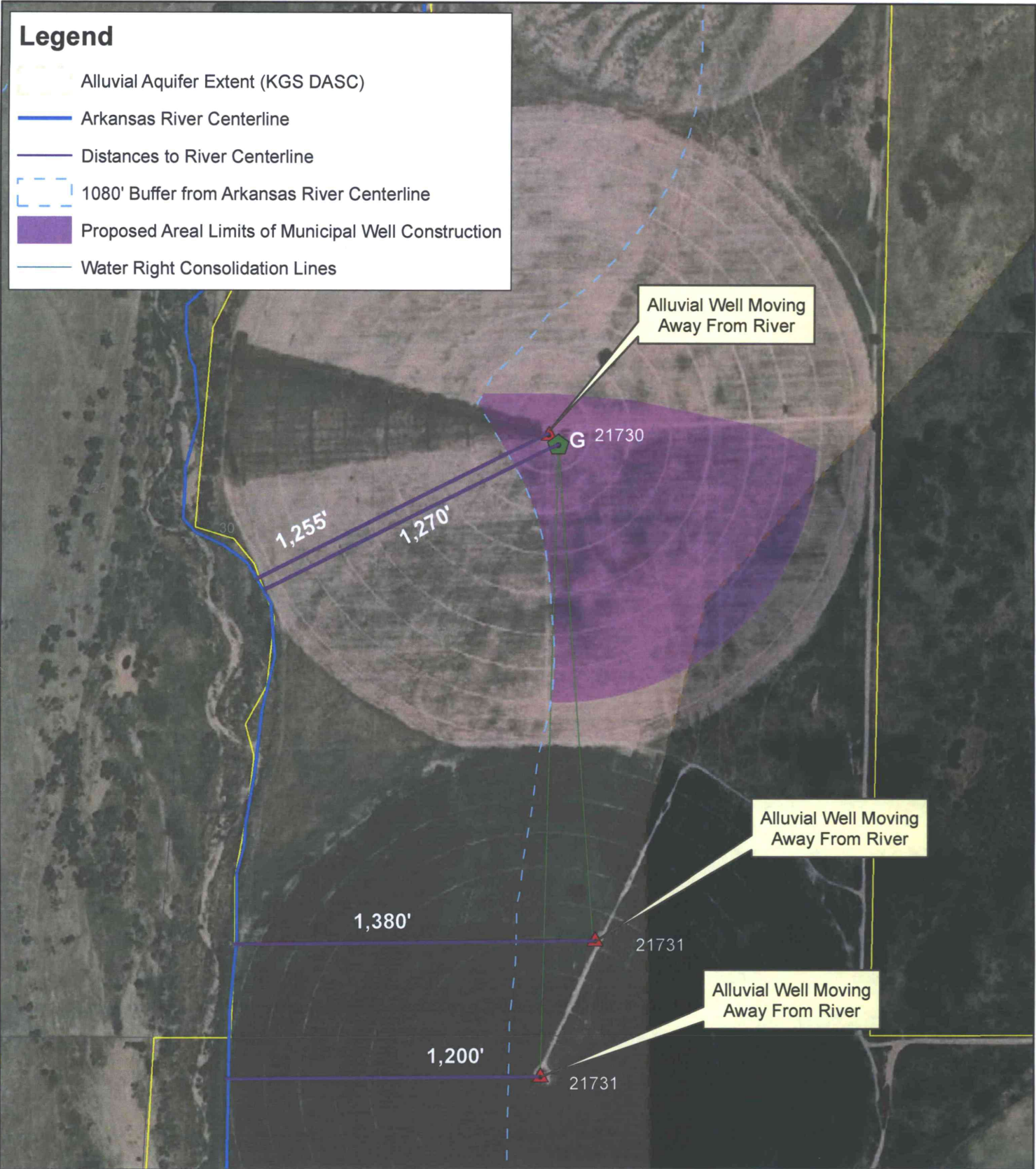
<sup>13</sup> FIRs, HAYS000947 (Ex. H), 953 (Ex. I), 964 (Ex. J), 971 (Ex. K), 978 (Ex. L), and 1000 (Ex. F). *See also* 1977WUR, HAYS000892, Ex. N, and HAYS004448-4453 (Ex. O).

<sup>14</sup> *See* K.A.R. 5-5-9(a)(4).



# Legend

- Alluvial Aquifer Extent (KGS DASC)
- Arkansas River Centerline
- Distances to River Centerline
- 1080' Buffer from Arkansas River Centerline
- Proposed Areal Limits of Municipal Well Construction
- Water Right Consolidation Lines



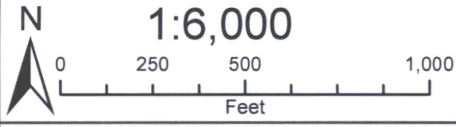
Alluvial Well Moving Away From River

Alluvial Well Moving Away From River

Alluvial Well Moving Away From River

# Legend

- R9 Irrigation Wells
- Conceptual Municipal Well Site
- R9 Ranch Property Boundary
- PLSS - Sections

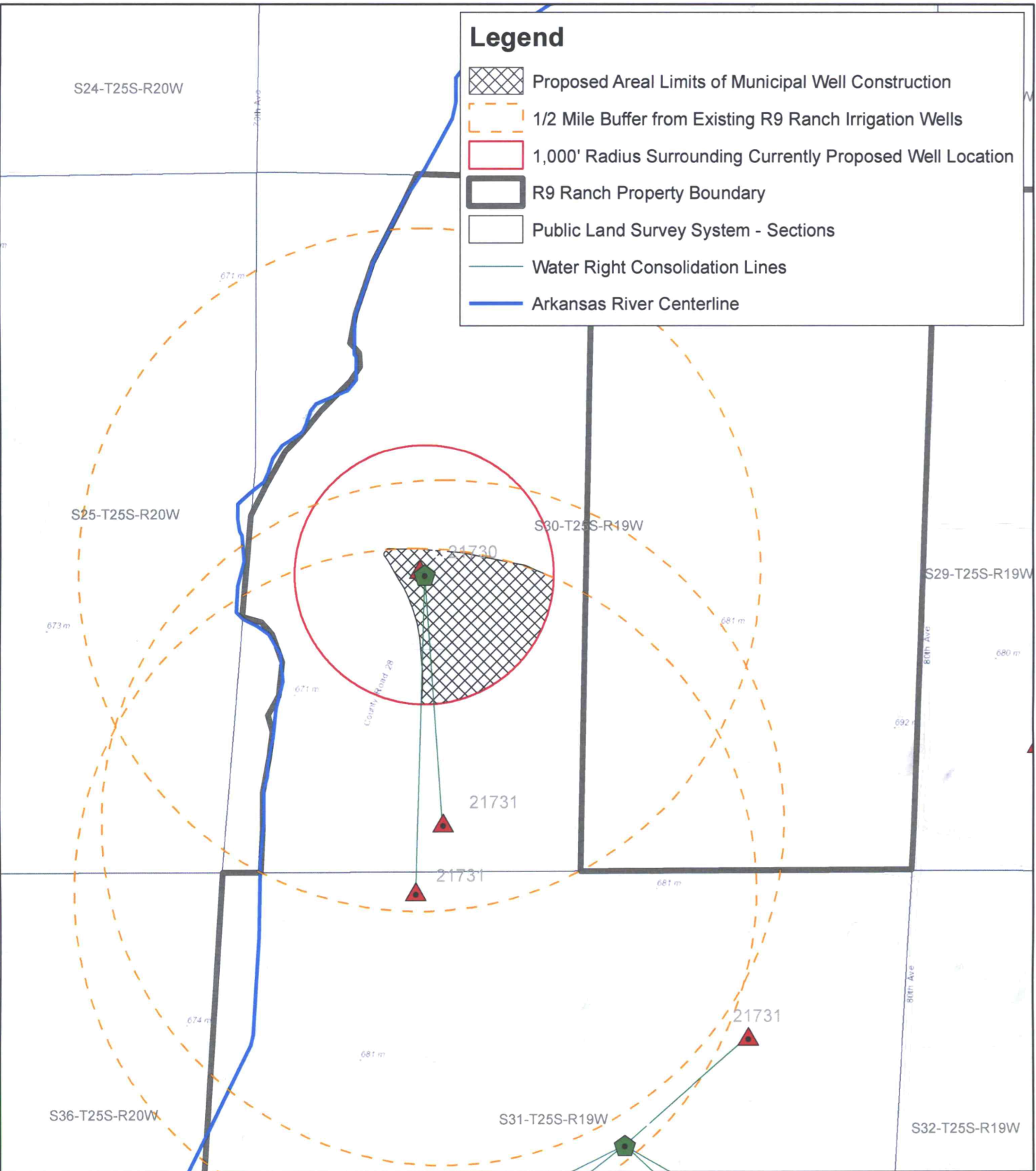


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Figure 2  
Conceptual Well Site G  
R9 Ranch  
Analysis of Alluvial Aquifer Extent &  
Well Proximity to Arkansas River  
**File No. 21,731**  
**Exhibit Y**



**Legend**

-  R9 Irrigation Wells
-  Currently Proposed Well Site

N

**1:12,000**

0    375    750    1,500

Feet

**BURNS  
MCDONNELL**

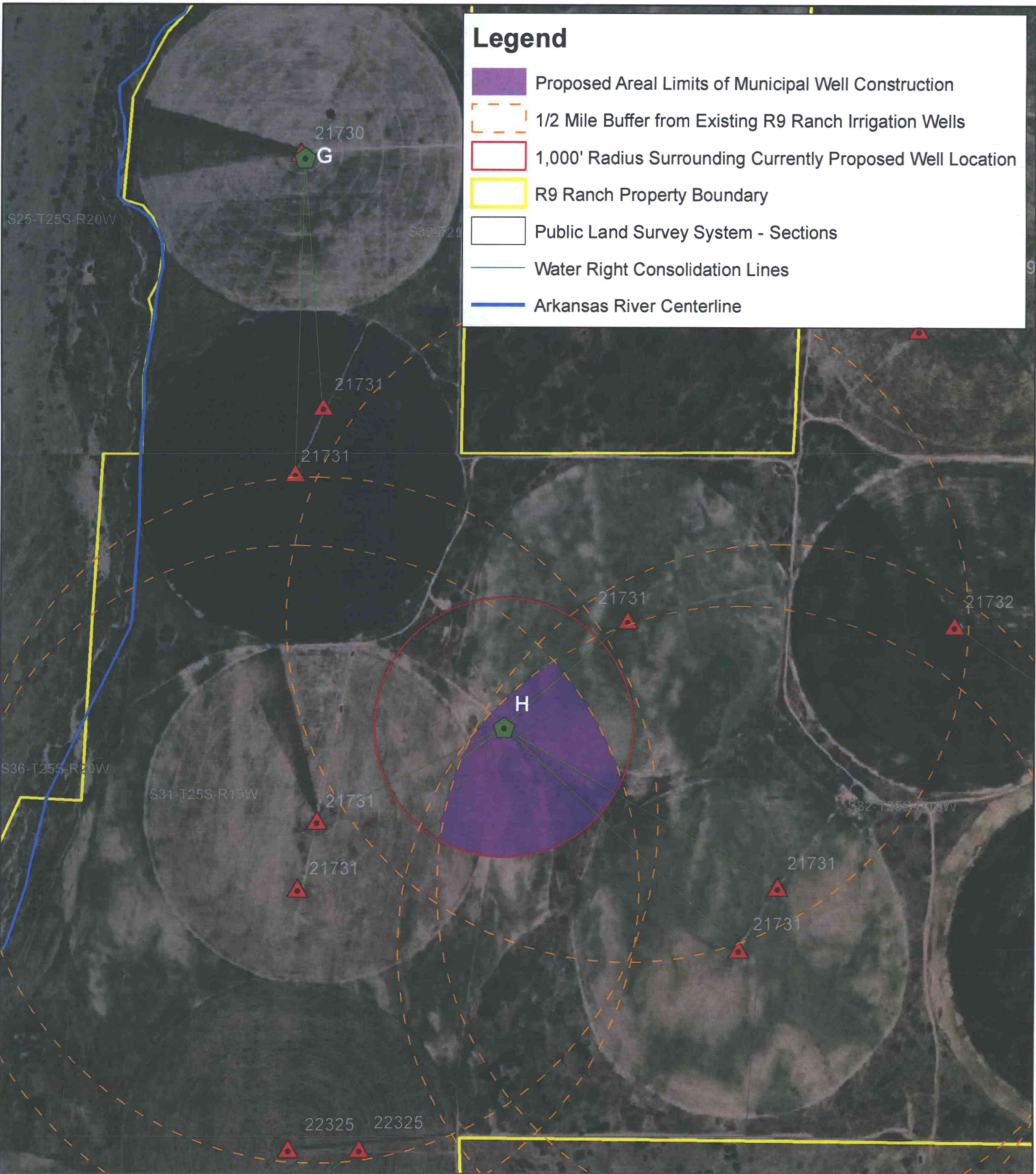
**Conceptual Well Site G**

**File No. 21,731**

**Exhibit Z**

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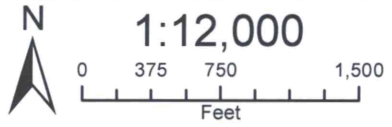


**Legend**

- Proposed Areal Limits of Municipal Well Construction
- 1/2 Mile Buffer from Existing R9 Ranch Irrigation Wells
- 1,000' Radius Surrounding Currently Proposed Well Location
- R9 Ranch Property Boundary
- Public Land Survey System - Sections
- Water Right Consolidation Lines
- Arkansas River Centerline

**Legend**

- ▲ R9 Irrigation Wells
- ⬠ Currently Proposed Well Site



Conceptual Well Site H








File No. 21,731  
Exhibit AA

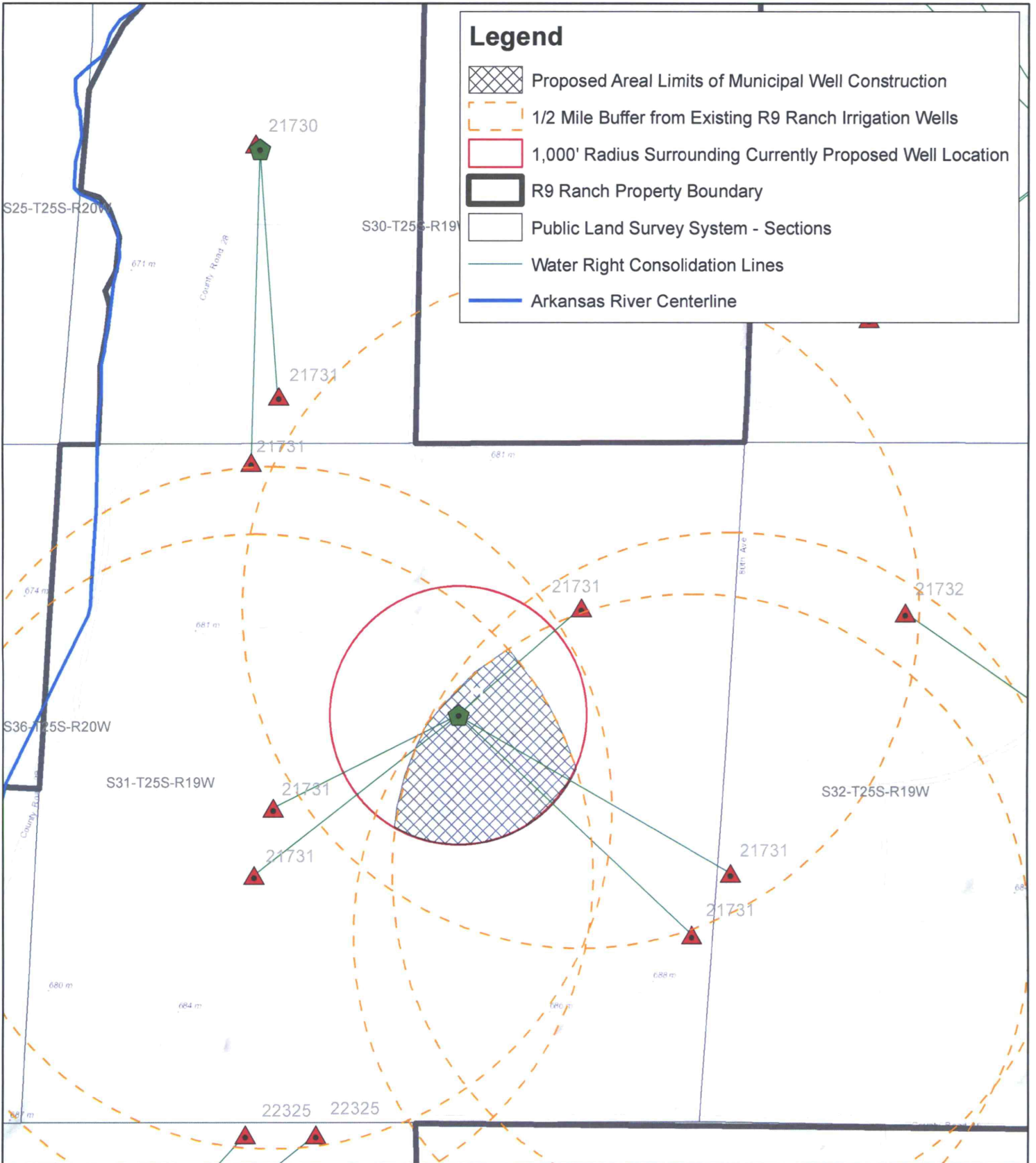
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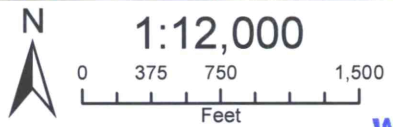
### Legend

-  Proposed Areal Limits of Municipal Well Construction
-  1/2 Mile Buffer from Existing R9 Ranch Irrigation Wells
-  1,000' Radius Surrounding Currently Proposed Well Location
-  R9 Ranch Property Boundary
-  Public Land Survey System - Sections
-  Water Right Consolidation Lines
-  Arkansas River Centerline



### Legend

-  R9 Irrigation Wells
-  Currently Proposed Well Site



**BURNS  
MCDONNELL**

Conceptual Well Site H

File No. 21,731  
Exhibit BB

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