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

1. File Number:	2. Status Change Date:	3. Field Office:	4. GMD:
49,450	10/24/2016	**02**	

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

7a. Applicant(s) Person ID **53124**
New to system ☐ Add Seq# _____

MAX E WELLS
7069 S 375TH ST W
CHENEY KS 67025

7c. Landowner(s) Person ID _____
New to system ☐ Add Seq# _____

7b. Landowner(s) Person ID 53124
New to system ☐ Add Seq# _____
Max E Wells
WELLS M & M DAIRY
7069 S 375TH ST W
CHENEY KS 67025

7d. Misc. Person ID _____
New to system ☐ Add Seq# _____

8. WUR Correspondent Person ID 53124
New to system ☐ Add Seq# _____
Overlap File (s) WUC Notarized WUC Form ☐
Agree ☐ Yes ☐ No
Max E Wells
Wells M+M Dairy
7069 S 375th St W
Cheney KS 67025

9. Use of Water: Changing? ☐ Yes ☒ No
☒ Groundwater ☐ Surface Water
☒ IRR ☐ REC ☐ DEW ☐ MUN
☐ STK ☐ SED ☐ DOM ☐ CON
☐ HYD DRG ☐ WTR PWR ☐ ART RECHRG
☐ IND SIC: _____ ☐ OTHER: _____

10. Completion Date: **12/31/2016~~7~~** 11. Perfection Date: **12/21/2021** 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: **2/8/16** By: **AJW**
Date Entered: 10/24/2016 By: WM

DWR 1-660 (Revised 09/19/2008)

File No. 49,450	15. Formation Code: 100	Drainage Basin: N F Ninnescah River	County: SG	Special Use:	Stream:

16. Points of Diversion										17. Rate and Quantity				
										Authorized		Additional		
T MOD DEL ENT	PDIV	Qualifier	S	T	R	ID	'N	'W		Rate gpm	Quantity af	Rate gpm	Quantity af	Overlap PD Files
✓	78139	NW SE SW	10	28S	4W	6	1003	3627	both of 4	800	162.5	0	23.4	48,126
✓	78140	NW SE SW	10	28S	4W	7	570	3303	both of 4					
✓	78813	NW SE SW	10	28S	4W	9	1009	3304	both of 4					
✓	79884	NW SE SW	10	28S	4W	10	662	3687	both of 4					
✓	79885	NW SE SW	10	28S	4W	11	811	3480	Geo Ctr					
GEO-CENTER ID 11														

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

19. Limitation: 162.5 af/yr at 800 gpm (_____ cfs) when combined with file number(s) 48,126 ~~at PD & PU~~

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

20. Meter Required? ☒ Yes ☐ No To be installed by 12/31/2017 Date Acceptable Meter Installed _____

21. Place of Use						NE¼				NW¼				SW¼				SE¼				Total	Owner	Chg?	Overlap Files
T MOD DEL ENT	PUSE	S	T	R	ID	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				48,126
N/C	61678	10	28S	4W	3									30	35	31	29						7B	N	

Comments:

KANSAS DEPARTMENT OF AGRICULTURE
Division of Water Resources

M E M O R A N D U M

TO: Files

DATE: October 18, 2016

FROM: Alex Whitesell

RE: Application, File No. 49,450

Max E Wells filed the above referenced application for permit to appropriate water for beneficial use on behalf of Wells M &M Dairy on September 02, 2015. The application proposes 162.5 acre-feet of water from a battery of four (4) wells when combined with File No. 48,126, originally approved for 139.1 acre-feet to irrigate 107 acres, for irrigation use in Sedgwick County, Kansas. This new application is being processed with a change in place of use for File No. 48,126.

If approved, the quantity of water and rate of diversion would be limited to the quantity and rate when combined with Appropriation of Water, File No. 48,126, would provide a total not to exceed 162.5 acre-feet of water per calendar year to be diverted at a maximum diversion rate not in excess of 800 gallons per minute from the existing battery of wells. Based on K.A.R. 5-3-24, the requested quantity of 162.5 acre-feet is reasonable for the proposed 125 acres (1.3 acre-feet per acre in Sedgwick County.)

The source of supply for the proposed battery of wells was determined to be alluvium, terrace and underlying Permian bedrock formations. See memorandum for File No. 48,126, dated August 24, 2012, for additional detail regarding the source of supply for this battery of wells.

The area of the proposed point of diversion is open to new appropriations and subject to safe yield. The specific method for calculating safe yield for unconfined groundwater aquifers is described in K.A.R. 5-3-11. The safe yield area of consideration is the entire two-mile circle, 8,042 acres, calculated using 2.21 inches of potential annual recharge and 50% recharge available for appropriation. The safe yield was calculated to be 740.53 acre-feet with total prior appropriation of 509.43 acre-feet leaving 231.1 acre-feet available for appropriation. Therefore, the application meets safe yield.

The application is subject to well spacing, as required by K.A.R. 5-4-4. There are no other appropriated wells within 1,320 feet, nor domestic wells reported within 660 feet of the proposed geographic center of the battery of wells. Therefore, the application complies with well spacing requirements.

There are no well owners of any kind within one-half (½) mile of the proposed point of diversion.

In an email message February 5, 2016, Jeff Lanterman, Water Commissioner of the Stafford Field Office recommended approval of the application.

Based on the above discussion and the available information, it is recommended that the referenced application be approved.

Alex Whitesell
Environmental Scientist
Division of Water Resources

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

Kansas
Department of Agriculture
agriculture.ks.gov

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

Jackie McClaskey, Secretary

Governor Sam Brownback

October 24, 2016

MAX E WELLS
7069 S 375TH ST W
CHENEY KS 67025

FILE COPY

RE: Appropriation of Water
File No. 49,450

Dear Mr. Wells:

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

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

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

If you have any questions, please contact our office. If you wish to discuss this specific file, please have the file number ready so that we may help you more efficiently.

Sincerely,

Brent A. Turney, P.G.
Change Application Unit Supervisor
Division of Water Resources

BAT:ajw
Enclosures
pc: Stafford Field Office

THE STATE OF KANSAS

KANSAS DEPARTMENT OF AGRICULTURE
Jackie McClaskey, Secretary of Agriculture

DIVISION OF WATER RESOURCES
David W. Barfield, Chief Engineer

APPROVAL OF APPLICATION
and
PERMIT TO PROCEED

(This Is Not a Certificate of Appropriation)

This is to certify that I have examined Application, **File No. 49,450** of the applicant

MAX E WELLS
7069 S 375TH ST W
CHENEY KS 67025

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 **September 2, 2015**.

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

	NE¼				NW¼				SW¼				SE¼				TOTAL
Sec. Twp. Range	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
10 28S 4W									30	35	31	29					125

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 Northwest Quarter of the Southeast Quarter of the Southwest Quarter (NW¼ SE¼ SW¼) of Section 10, more particularly described as being near a point 811 feet North and 3,480 feet West of the Southeast corner of said section, in Township 28 South, Range 4 West, Sedgwick County, Kansas, located substantially as shown on the topographic map accompanying the application.

4. That the appropriation sought shall be limited to a maximum diversion rate not in excess of **800 gallons per minute (1.78 c.f.s.)** and to a quantity not to exceed **162.5 acre-feet** of water for any calendar year.

5. That installation of works for diversion of water shall be completed on or before **December 31, 2017** or within any authorized extension thereof. The applicant shall notify the Chief Engineer and pay the statutorily required field inspection fee of $400.00 when construction of the works has been completed. Failure to timely submit the notice and the fee will result in revocation of the permit. Any request for an extension of time shall be submitted prior to the expiration of the deadline and shall be accompanied by the required statutory fee of $100.00.

6. That the proposed appropriation shall be perfected by the actual application of water to the proposed beneficial use on or before **December 31, 2021** or any authorized extension thereof. Any request for an extension of time shall be submitted prior to the expiration of the deadline and shall be accompanied by the required statutory fee of $100.00.

7. That the applicant shall not be deemed to have acquired a water appropriation for a quantity in excess of the amount approved herein nor in excess of the amount found by the Chief Engineer to have been actually used for the approved purpose during one calendar year subsequent to approval of the application and within the time specified for perfection or any authorized extension thereof.

8. That the use of water herein authorized shall not be made so as to impair any use under existing water rights nor prejudicially and unreasonably affect the public interest.

9. That the right of the appropriator shall relate to a specific quantity of water and such right must allow for a reasonable raising or lowering of the static water level and for the reasonable increase or decrease of the streamflow at the appropriator's point of diversion.

10. That this permit does not constitute authority under K.S.A. 82a-301 through 305a to construct any dam or other obstruction; nor does it grant any right-of-way, or authorize entry upon or injury to, public or private property.

11. That all diversion works constructed under the authority of this permit into which any type of chemical or other foreign substance will be injected into the water pumped from the diversion works shall be equipped with an in-line, automatic quick-closing, check valve capable of preventing pollution of the source of the water supply. The type of valve installed shall meet specifications adopted by the Chief Engineer and shall be maintained in an operating condition satisfactory to the Chief Engineer.

12. That all wells with a diversion rate of 100 gallons per minute or more drilled under the authority of this permit shall have a tube or other device installed in a manner acceptable to, and in accordance with specifications adopted by, the Chief Engineer. This tube or device shall be suitable for making water level measurements and shall be maintained in a condition satisfactory to the Chief Engineer.

13. That an acceptable water flow meter shall be installed and maintained on the diversion works authorized by this permit in accordance with 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 further 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 be limited to a total maximum diversion rate not in excess of eight hundred (800) gallons per minute (1.78 c.f.s.).

19. That the quantity of water and rate of diversion approved under this permit is further limited to the quantity and rate when combined with Appropriation of Water, File No. 48,126, will provide a total not to exceed 162.5 acre-feet of water per calendar year to be diverted at a maximum rate not in excess of 800 gallons per minute for irrigation use on the land described herein.

This Order shall become a final agency action, as defined by K.S.A. 77-607(b), without further notice to the parties, if a request for hearing or a petition for administrative review is not filed as set forth below.

Request for Hearing. According to K.A.R. 5-14-3(c), any party who desires a hearing must submit a request within 15 days after the date shown on the Certificate of Service attached to this Order. Filing a request for a hearing will give you the opportunity to submit additional facts for consideration, contest any findings made by the Chief Engineer, or present any other information you believe should be considered in this matter. A timely-filed request for hearing will stay the deadline for requesting administrative review of this Order pending the outcome of the hearing.

Petition for Review. The applicant, if aggrieved by this Order, may petition for administrative review, pursuant to K.S.A. 82a-711(c) and K.S.A. 82a-1901(a). The petition must be filed within 30 days after the date shown on the Certificate of Service attached to this Order and must set forth the basis for the review, unless stayed by the timely filing of a request for hearing.

Any request for hearing or petition for administrative review shall be in writing and shall be submitted to the attention of: Chief Legal Counsel, Kansas Department of Agriculture, 1320 Research Park Drive, Manhattan, Kansas 66502, Fax: (785) 564-6777.

Ordered this 24th day of October, 2016, in Topeka, Shawnee County, Kansas.

Lane P. Letourneau

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

State of Kansas)
) SS
County of Riley)

The foregoing instrument was acknowledged before me this 24th day of October, 2016, by Lane P. Letourneau, P.G., Water Appropriation Program Manager, Division of Water Resources, Kansas Department of Agriculture.

STATE OF KANSAS NOTARY PUBLIC
DANIELLE WILSON
My Appointment Expires
August 23, 2020

Danielle Wilson
Notary Public

CERTIFICATE OF SERVICE

On this 24 day of October, 2016, I hereby certify that the foregoing Approval of Application and Permit to Proceed, File No. 49,450, dated October 24, 2016, was mailed postage prepaid, first class, US mail to the following:

MAX E WELLS
7069 S 375TH ST W
CHENEY KS 67025

With photocopies to:

Division of Water Resources Stafford Field Office

Danielle Wilson

Division of Water Resources

THE STATE OF KANSAS

KANSAS DEPARTMENT OF AGRICULTURE
Jackie McClaskey, Secretary of Agriculture

DIVISION OF WATER RESOURCES
David W. Barfield, Chief Engineer

File Number 49450
This item to be completed by the Division of Water Resources.

WATER RESOURCES RECEIVED
SEP 02 2015
11:13
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, KS 66502:

1. Name of Applicant (Please Print): MAX E WELLS

Address: 7069 S 375TH ST W

City: CHENEY State KS Zip Code 67025

Telephone Number: (316) 393-1780

2. The source of water is: ☐ surface water in _____ (stream)

OR ☒ groundwater in N. F. Ninnescah River (drainage basin)

Certain streams in Kansas have minimum target flows established by law or may be subject to administration when water is released from storage for use by water assurance district members. If your application is subject to these regulations on the date we receive your application, you will be sent the appropriate form to complete and return to the Division of Water Resources. **Limited to 162.5 AF when combined with #48,126**

3. The maximum quantity of water desired is 162.5 acre-feet OR _____ gallons per calendar year, to be diverted at a maximum rate of 800 gallons per minute OR _____ cubic feet per second.

Once your application has been assigned a priority, the requested maximum rate of diversion and maximum requested quantity of water under that priority number can **NOT** be increased. Please be sure the 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.

WATER RESOURCES RECEIVED
DEC 17 2015
KS DEPT OF AGRICULTURE

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. 2 *GMD* -0- *Meets K.A.R. 5-3-1 (YES / NO)* *Use* IRR *Source* G / S *County* SG *By* KAB *Date* 9/2/15
Code RE2 *Fee $* 300 *TR #* _____ *Receipt Date* 9/2/15 *Check #* 8722

DWR 1-100 (Revised 02/12/2014)

APPLICATION COMPLETE
10 / 13 / 16
Reviewer AW

SCANNED

9/8/2015 LLM

File No. _____

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 NW quarter of the SE quarter of the SW quarter of Section 10, more particularly described as being near a point 811 feet North and 3480 feet West of the Southeast corner of said section, in Township 28 South, Range 4 West, Sedgwick County, Kansas.

Geo-Center

(B) One in the NW quarter of the SE quarter of the SW quarter of Section 10, more particularly described as being South, Range 4 West, Sedgwick County, Kansas.

Bat 1 of 4

(C) One in the NW quarter of the SE quarter of the SW quarter of Section 10, more particularly described as being near a point 570 feet North and 3303 feet West of the Southeast corner of said section, in Township 28 South, Range 4 West, Sedgwick County, Kansas.

Bat 2 of 4

(D) One in the NW quarter of the SE quarter of the SW quarter of Section 10, more particularly described as being near a point 1009 feet North and 3304 feet West of the Southeast corner of said section, in Township 28 South, Range 4 West, Sedgwick County, Kansas.

Bat 3 of 4

Bat 4 of 4: NW SE SW 662'N & 3687'W Sec 10 T28S R4W

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 (¼) 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):

WELLS M & M DAIRY (MAX E WELLS) 7069 S 375TH ST W CHENEY, KS 67025
(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 8-31-15, 20___. Max E. Wells
Applicant's Signature

The applicant must provide the required information or signature irrespective of whether they are the landowner. Failure to complete this portion of the application will cause it to be unacceptable for filing and the application will be returned to the applicant.

7. The proposed project for diversion of water will consist of 4 Wells
(number of wells, pumps or dams, etc.)
and was completed (by) 12-23-13.
(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 ASAP.
(Mo/Day/Year)

File No. 49450

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 N.A.

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

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

(b) If the application is for groundwater, please show the location of any existing water wells of any kind within 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.

Overlaps PD with #48,126. Change application will be filed for #48,126 to form complete PU overlap

File No. _____

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):

WELLS M & M DAIRY (MAX E WELLS) 7069 S 375TH ST W CHENEY, KS 67025
(name, address and telephone number)

(in process of buying entire PU, verify ownership when processing)
(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 Stafford, Kansas, this 31 day of August (month), 2015 (year).

Max E. Wells
(Applicant Signature)

By _____
(Agent or Officer Signature)

_____
(Agent or Officer - Please Print)

Assisted by MJM/SFFO ESII (office/title) Date: 8/31/2015

IRRIGATION USE
SUPPLEMENTAL SHEET

File No. 49450

Name of Applicant (Please Print): Max Wells

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: WELLS M & M DAIRY (MAX E WELLS)

ADDRESS: 7069 S 375TH ST W CHENEY, KS 67025
(in process of buying entire PU, verify ownership when processing)

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
10	28S	4W									30	35	31	29					125

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	

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
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
Total:	100 %		

   b. Estimate the average land slope in the field(s): _____%

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

   c. Type of irrigation system you propose to use (check one):

      _____ Center pivot _____ Center pivot - LEPA _____ "Big gun" sprinkler

      _____ Gravity system (furrows) _____ Gravity system (borders) _____ Sideroll sprinkler

      Other, please describe: _____

   d. System design features:

      i. Describe how you will control tailwater:

      ii. For sprinkler systems:

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

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

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

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

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

   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).

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

(Date)

Kansas Department of Agriculture
Division of Water Resources
David W. Barfield, Chief Engineer
109 SW 9th Street, 2nd Floor
Topeka, Kansas 66612-1283

Re: Application File No. 49450

Minimum Desirable Streamflow

Dear Sir:

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

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

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

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

Max E. Wells
Signature of Applicant

Max E. Wells
(Print Applicant's Name)

State of Kansas)
) ss
County of Stafford)

I hereby certify that the foregoing instrument was signed in my presence and sworn to before me this 31st day of August, 2015.

Jessica V. Engelbrecht
Notary Public

My Commission Expires: NOTARY PUBLIC - State of Kansas JESSICA ENGELBRECHT My Appt. Exp. 8/14/17

WATER RESOURCES RECEIVED
DEC 17 2015
KS DEPT OF AGRICULTURE

WATER RESOURCES RECEIVED
SEP 02 2015
SCANNED
KS DEPT OF AGRICULTURE

DWR 1-100.171 (Revised 03/27/2008)

MINIMUM DESIRABLE STREAMFLOW FORM TO BE USED WHEN APPLICABLE WHEN FILING AN APPLICATION FOR PERMIT TO APPROPRIATE WATER FOR BENEFICIAL USE

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

Arkansas River
Big Blue River
Chapman Creek
Chikaskia River
Cottonwood River
Delaware River
Little Arkansas River
Little Blue River
Marais des Cygnes River
Medicine Lodge River
Mill Creek (Wabaunsee Co. area)
Neosho River
Ninnescah River
North Fork Ninnescah River
Rattlesnake Creek
Republican River
Saline River
Smoky Hill River
Solomon River
South Fork Ninnescah
Spring River
Walnut River
Whitewater River

WATER WELL RECORD **Form WWC-5** Division of Water Resources App. No. 49450

1 LOCATION OF WATER WELL: County: Sedgwick | Fraction: NW ¼ SE ¼ SW ¼ ¼ | Section Number: 10 | Township No.: T 28 S | Range Number: R 4 ☐E ☑W

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here ☐.
From Cheney, 2 miles East
Well #1

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

2 WATER WELL OWNER: Wells M & M Dairy
RR#, Street Address, Box #: 7069 S 375th W
City, State, ZIP Code : Cheney, KS 67025

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

N
W | NW | NE | E
SW | SE
S
|---------1 mile--------|

4 DEPTH OF COMPLETED WELL 80 ft.
Depth(s) Groundwater Encountered (1) 10 ft. (2) ..... ft. (3) ..... ft.
WELL'S STATIC WATER LEVEL 10 ft. below land surface measured on mo/day/yr. 5/21/11
Pump test data: Well water was ..... ft. after ..... hours pumping ..... gpm
EST. YIELD 50 gpm. Well water was ..... ft. after ..... hours pumping ..... gpm
Bore Hole Diameter 14 in. to 80 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 20 ft., Diameter ..... in. to ..... ft., Diameter ..... in. to ..... ft.
Casing height above land surface 12 in., Weight 3.5 lbs./ft., Wall thickness or gauge No. Sdr26
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 20 ft. to 80 ft., From ..... ft. to ..... ft.
From ..... ft. to ..... ft., From ..... ft. to ..... ft.
GRAVEL PACK INTERVALS: From 20 ft. to 80 ft., From ..... ft. to ..... ft.
From ..... ft. to ..... ft., From ..... ft. to ..... ft.

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

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHO. LOG (cont.) or PLUGGING INTERVALS
0	3	Top Soil			
3	15	Clay			
15	30	Fine to Medium Sand			
30	80	Shale			

WATER RESOURCES RECEIVED DEC 17 2015 KS DEPT OF AGRICULTURE

WATER RESOURCES RECEIVED SEP 02 2015 SCANNED KS DEPT OF AGRICULTURE

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was ☑ constructed, ☐ reconstructed, or ☐ plugged under my jurisdiction and was completed on (mo/day/year) 5/21/11 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 238 This Water Well Record was completed on (mo/day/year) 5/23/11 under the business name of Premier Pump and Well Service, Inc by (signature) Patrick A. Dreier

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.

KSA 82a-1212 Check: ☑ White Copy, ☐ Blue Copy, ☐ Pink Copy

Whitesell, Alex

From: Lanterman, Jeff
Sent: Friday, February 05, 2016 9:55 AM
To: Whitesell, Alex; Ireland, Leslie
Cc: Conant, Cameron
Subject: FW: Recomendation File No. 49,450
Attachments: 49450 Memo To File.docx; 48126 log.pdf; 48126 & 49450 map.jpg

Good morning all!

Hey I will follow up the change email also but I think the change and related new app can be approved!

Thanks

And→ GO BRONCOS!

From: Conant, Cameron
Sent: Friday, February 05, 2016 9:29 AM
To: Lanterman, Jeff
Subject: FW: Recomendation File No. 49,450

Jeff, they have requested a new application to completely overlap existing file 48126 which is a battery of four wells. The new app is increasing the p/u and the authorized quantity. There is a p/u change on 48126 to completely overlap the new application 49450. The new p/u will be a complete pivot (currently a wipe 107 acres to 125 acres). The Q will be limited on the new app when combined with 48126 and the proposed quantity increase is reasonable.

Spacing to all nearby wells is ok. In fact, I don't think there are any wells of any type of use within ½ mile of here. 2 mile SY evaluation indicates the requested quantity increase is available.

I've attached one of the completed well logs for 48126 which is representative of all 4 wells in the battery. The rate of 800gpm will likely work itself out in during the FIR process.

The change application said to verify new ownership when processing the new app and the change app. I looked at the online SG County appraisers and it shows that Wells M-M Dairy is the owner of the proposed place of use so we should be good to finalize processing.

There is no area water level data to review.

On the map I attached, note 49544 right next to the existing battery is a recently received application. The location is simply a place holder, Matt indicated this application will not be tied in with the current applications. Processing on that application has not started.

<u>I think the new app for increased quantity and p/u can be recommended for approval. I think the change app to overlap the p/u with the existing file 48126 can be recommended for approval.</u>

<u>Please pass this on to Leslie and Alex if you agree.</u>

Cameron

From: Whitesell, Alex
Sent: Tuesday, February 02, 2016 12:14 PM
To: Lanterman, Jeff; Conant, Cameron
Cc: Ireland, Leslie
Subject: Recomendation File No. 49,450

Good afternoon,

Could you please let me know your recommendation here for Max E Wells File No. 49,450. This new application is being processed with a Change in Place of Use by Leslie, File No. 48,126.

Thank you,

Alex Whitesell
Division of Water Resources
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, KS
(785) 564 - 6631

Whitesell, Alex

From: Lanterman, Jeff
Sent: Friday, February 05, 2016 9:55 AM
To: Ireland, Leslie
Cc: Conant, Cameron; Whitesell, Alex
Subject: FW: Recommendation for Change in PU File No. 48126_ with new app_ Max Wells
Attachments: 48126_PU_irr _with_new app_2_0_.doc

Leslie;

Approve this one as well!

Jeff

From: Conant, Cameron
Sent: Friday, February 05, 2016 9:30 AM
To: Lanterman, Jeff
Subject: FW: Recommendation for Change in PU File No. 48126_ with new app_ Max Wells

See review for 49450 that was just sent.

This looks ok for approval and was addressed in the previous email.

Cameron

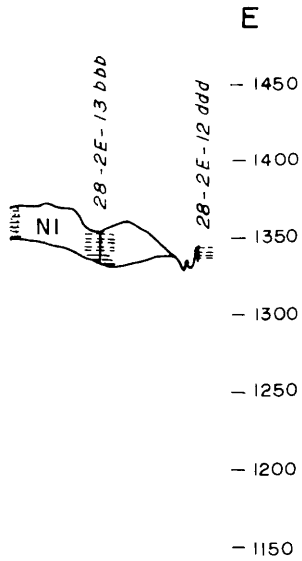
From: Ireland, Leslie
Sent: Wednesday, February 03, 2016 1:44 PM
To: Lanterman, Jeff
Cc: Conant, Cameron
Subject: Recommendation for Change in PU File No. 48126_ with new app_ Max Wells

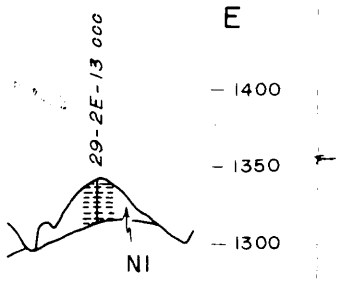
Jeff & Cameron,

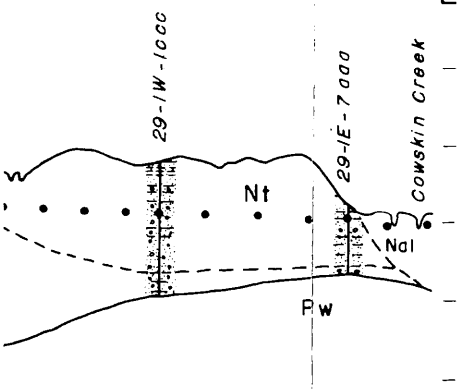
Please let me know if you would recommend the proposed change in place of use with the new application that is being worked by Alex. He is sending you his memo.

As always comments and concerns are welcome.

Leslie Ireland, Environmental Scientist II
Kansas Department of Agriculture
Division of Water Resources - Change Unit
(785) 564-6633
Leslie.Ireland@kda.ks.gov
www.agriculture.ks.gov







EXPLANATION

Nal	Recent alluvium and Wisconsinan terrace deposits
Nl	Undifferentiated, loess deposits
Nc	Colluvium
Nt	Illinoisan terrace deposits
Nu	Lower Pleistocene deposits, undifferentiated
Npu	Pliocene and Lower Pleistocene, undifferentiated
Pn	Ninnescah Shale
Pw	Wellington Formation

Silt

Silt with caliche

Sandy silt

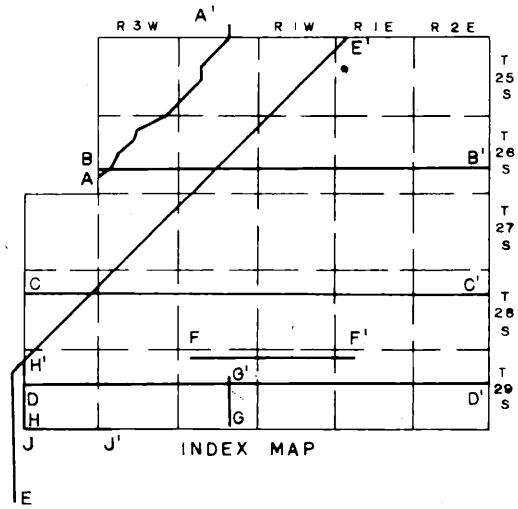
Sand and gravel

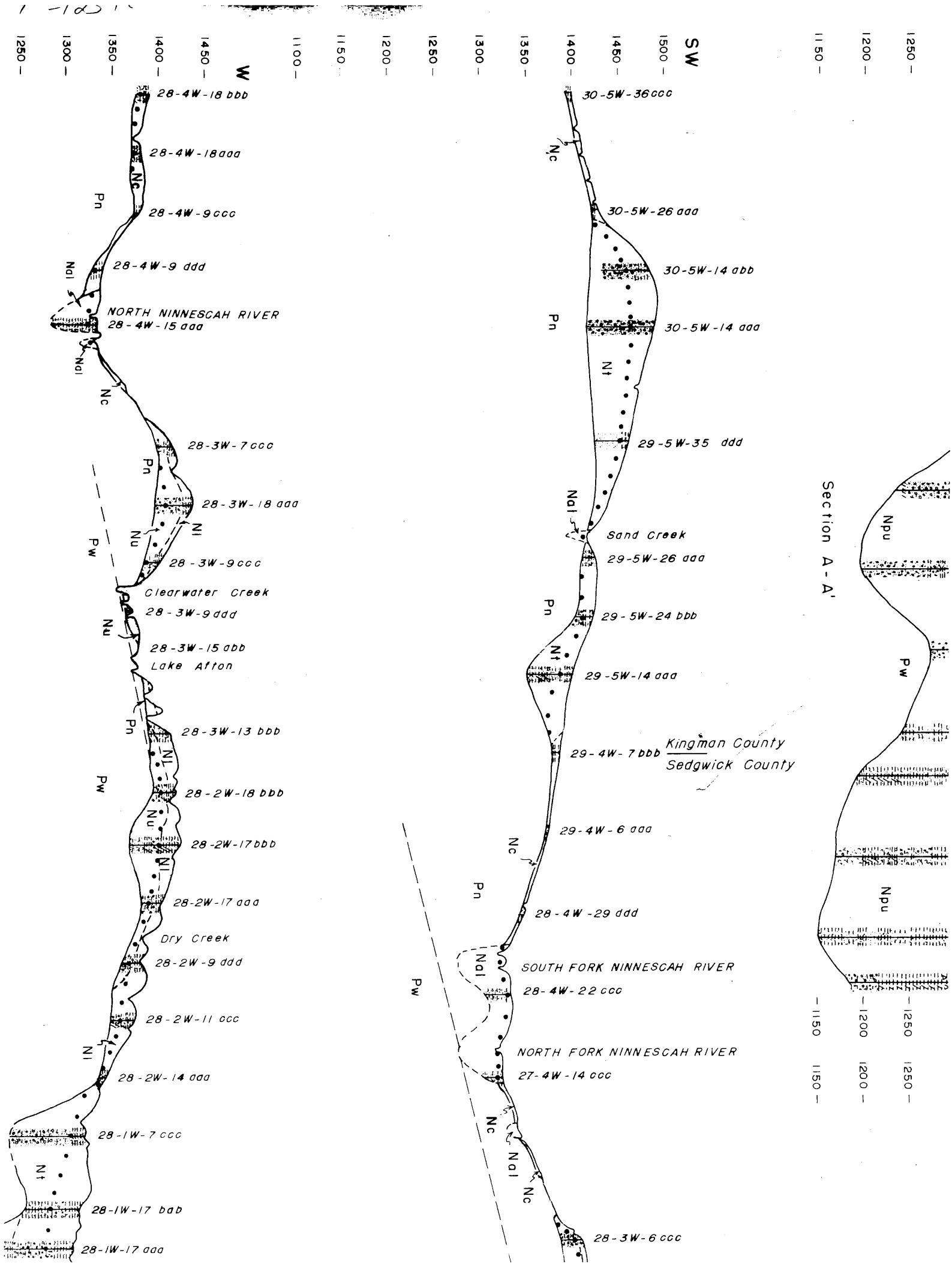
Silty sand and gravel

Volcanic ash

Water table

Altitude given in feet above mean sea-level

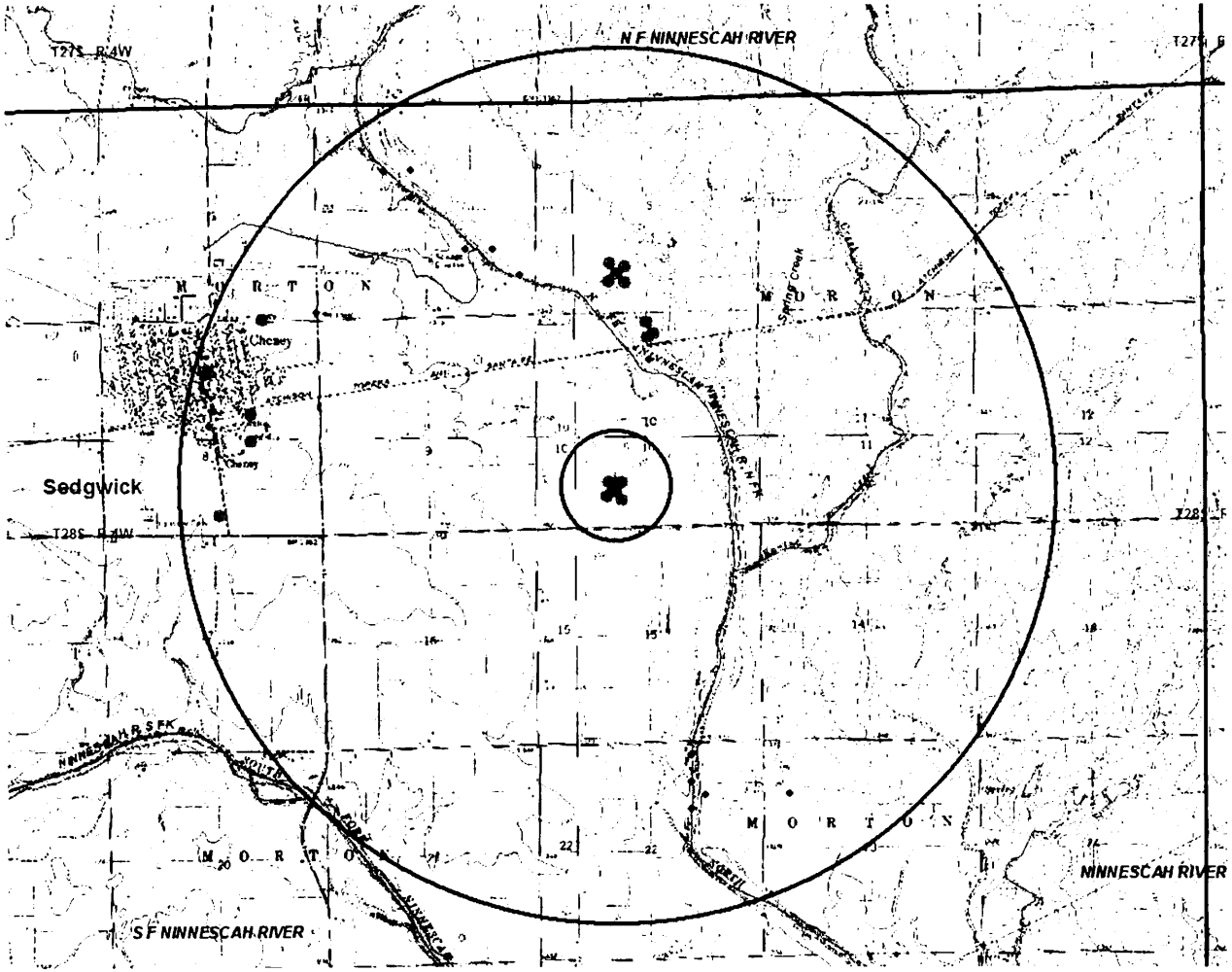



Section A - A'
SW
NW
1500
1450
1400
1350
1300
1250
1200
1150
1100
30-5W-36ccc
30-5W-26 aaa
30-5W-14 abb
30-5W-14 aaa
29-5W-35 ddd
Sand Creek
29-5W-26 aaa
29-5W-24 bbb
29-5W-14 aaa
29-4W-7 bbb
Kingman County
Sedgwick County
29-4W-6 aaa
28-4W-29 ddd
SOUTH FORK NINNESCAH RIVER
28-4W-22 ccc
NORTH FORK NINNESCAH RIVER
27-4W-14 ccc
28-3W-6 ccc
28-4W-18 bbb
28-4W-18aaa
28-4W-9ccc
28-4W-9 ddd
NORTH NINNESCAH RIVER
28-4W-15 aaa
28-3W-7ccc
28-3W-18 aaa
28-3W-9ccc
Clearwater Creek
28-3W-9ddd
28-3W-15 abb
Lake Afton
28-3W-13 bbb
28-2W-18 bbb
28-2W-17bbb
28-2W-17 aaa
Dry Creek
28-2W-9 ddd
28-2W-11 ccc
28-2W-14 aaa
28-1W-7 ccc
28-1W-17 bab
28-1W-17 aaa
Pn
Pw
Nc
Nal
Nt
Nu
Nl
Npu

Safe Yield Report Sheet

Proposed Water Right Application

Point of Diversion in NENWSESW 10-28S-04W



==========

Analysis Results

The selected PD is in an area to new appropriations.

The safe yield, based on the variables listed below is 740.53 AF.

Total prior appropriation in the circle is 530.51 AF. − 139.10 = 391.41

Total quantity of water available for appropriation is 210.02 AF.

349.13 AF available

Total Prior Appropriations 509.43

Safe Yield Variables

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

Potential annual recharge of the area is estimated to be 2.21 inches.

The percent of recharge available for appropriation is 50%.

Authorized Quantity values are as of 11-JAN-2016 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 8 water right(s) and 18 point(s) 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	Tacres	Nacres
A 2016 00	MUN	NK	G		SE	SW	NE	0	0	08	28	04W	3	WR	42.00	42.00		
Same	MUN	NK	G	SE	CR	SW	SE	0	0	05	28	04W	1	WR				
A 9204 00	MUN	NK	G		SE	SW	NE	0	0	08	28	04W	3	WR	91.53	54.36		
Same	MUN	NK	G	SE	CR	SW	SE	0	0	05	28	04W	1	WR				

Same		MUN	NK	G	NE	NW	SE	0	0	08	28	04W	5	WR				
A	34058	00	THX	NK	G			3994	2775	08	28	04W	6	WR	15.27	15.27		
A	43608	00	IRR	NK	G	NW	SE	SW	881	3353	03	28	04W	1	WR	195.00	195.00	130.00	130.00
Same			IRR	NK	G	NW	SE	SW	680	3566	03	28	04W	2	WR				
Same			IRR	NK	G	NW	SE	SW	1132	3520	03	28	04W	3	WR				
Same			IRR	NK	G	NE	SE	SW	655	3170	03	28	04W	4	WR				
Same			IRR	NK	G	NE	SE	SW	1055	3155	03	28	04W	5	WR				
A	46756	00	IRR	LR	G	SW	NW	NE	4595	2510	10	28	04W	2	WR	63.70	63.70	49.00	49.00
Same			IRR	LR	G	NW	NW	NE	4750	2300	10	28	04W	3	WR				
Same			IRR	LR	G	SE	NE	NW	4440	2720	10	28	04W	4	WR				
A	48126	00	IRR	KE	G	NW	SE	SW	1003	3627	10	28	04W	6	WR	139.10	139.10	107.00	107.00
Same			IRR	KE	G	NW	SE	SW	570	3303	10	28	04W	7	WR				
Same			IRR	KE	G	NW	SE	SW	1009	3304	10	28	04W	9	WR				
Same			IRR	KE	G	NW	SE	SW	662	3687	10	28	04W	10	WR				
Same			IRR	KE	G	NW	SE	SW	811	3480	10	28	04W	11	WR	23.4			
A	49450	00	IRR	AY	G	NW	SE	SW	1003	3627	10	28	04W	6	WR	162.50	0.00	125.00	0.00
Same			IRR	AY	G	NW	SE	SW	570	3303	10	28	04W	7	WR				
Same			IRR	AY	G	NW	SE	SW	1009	3304	10	28	04W	9	WR				
Same			IRR	AY	G	NW	SE	SW	662	3687	10	28	04W	10	WR				
Same			IRR	AY	G	NW	SE	SW	811	3480	10	28	04W	11	WR				
A	49466	00	IRR	AY	G	SW	SW	SE	469	2503	08	28	04W	8	WR	21.07	21.07	16.22	16.22

Total Prior Appropriations 50a.13

1320 Research Park Drive
Manhattan, Kansas 66502
Jackie McClaskey, Secretary

Kansas
Department of Agriculture

Phone: (785) 564-6700
Fax: (785) 564-6777
Email: ksag@kda.ks.gov
www.agriculture.ks.gov
Sam Brownback, Governor

September 3, 2015

MAX E WELLS
7069 S 375TH ST W
CHENEY KS 67025

RE: Application
File No. 49450

Dear Sir or Madam:

Your application for permit to appropriate water in 10-28S-4W in Sedgwick County, was received and has been assigned the file number noted above.

As a matter of record, the Division of Water Resources has on hand a large number of applications awaiting processing. Therefore to be fair to all concerned, and so that we can process those applications on hand in the order they were received, we intend to concentrate on the backlog of applications until the issue is resolved. Once review of your application has begun, we will contact you, if additional information is required.

In accordance with the provisions of the Kansas Water Appropriation Act, a portion of which is included below, the use of water as proposed prior to approval of the application is unlawful. Once approved, compliance with the terms, conditions and limitations of the permit is necessary. Conservation of the water resources of Kansas is required.

Section 82a-728 of the Kansas Water Appropriation Act, provides (a) except for the appropriation of water for the purpose of domestic use, . . . <u>it shall be unlawful for any person to appropriate or threaten to appropriate water from any source without first applying for and obtaining a permit to appropriate water in accordance with the provisions of the Water Appropriation Act</u> or for any person to violate any condition of a vested right, appropriation right or an approved application for a permit to appropriate water for beneficial use.

(b) (1) The violation of any provision of this section by any person is a class C misdemeanor . . .

A class C misdemeanor is punishable by a fine not to exceed $500 and/or a term of confinement not to exceed one month in the county jail. Each day that the violation occurs constitutes a separate offense.

If you have any questions, please contact me at (785) 564-6643. If you wish to discuss a specific file, please have the file number ready so that we may help you more efficiently.

Sincerely,

Brent A. Turney

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

BAT: dlw
pc: STAFFORD Field Office
GMD 0

FEE SCHEDULE

1. The fee for an application for a permit to appropriate water for beneficial use, except for domestic use, shall be (see paragraph No. 2 below if requesting storage):

ACRE-FEET	FEE
0-100	$200.00
101-320	$300.00
More than 320	$300.00 plus $20.00 for each additional 100 acre-feet or any part thereof.

2. The fee for an application in which storage is requested, except for domestic use, shall be:

ACRE-FEET	FEE
0-250	$200.00
More than 250	$200.00 plus $20.00 for each additional 250 acre-feet of storage or any part thereof.

Note: If an application requests both direct use *and* storage, the fee charged shall be as determined under No. 1 or No. 2 above, whichever is greater, but not both fees.

3. The fee for an application for a permit to appropriate water for water power or dewatering purposes shall be $100.00 plus $200.00 for each 100 cubic feet per second, or part thereof, of the diversion rate requested.

Note: The applicant shall notify the Chief Engineer and pay the statutorily required field inspection fee of $400.00 when construction of the works for diversion has been completed, except that for applications filed on or after July 1, 2009, for works constructed for sediment control use and for evaporation from a groundwater pit for industrial use shall be accompanied by a field inspection fee of $200.00.

MAKE CHECKS PAYABLE TO THE KANSAS DEPARTMENT OF AGRICULTURE

ATTENTION

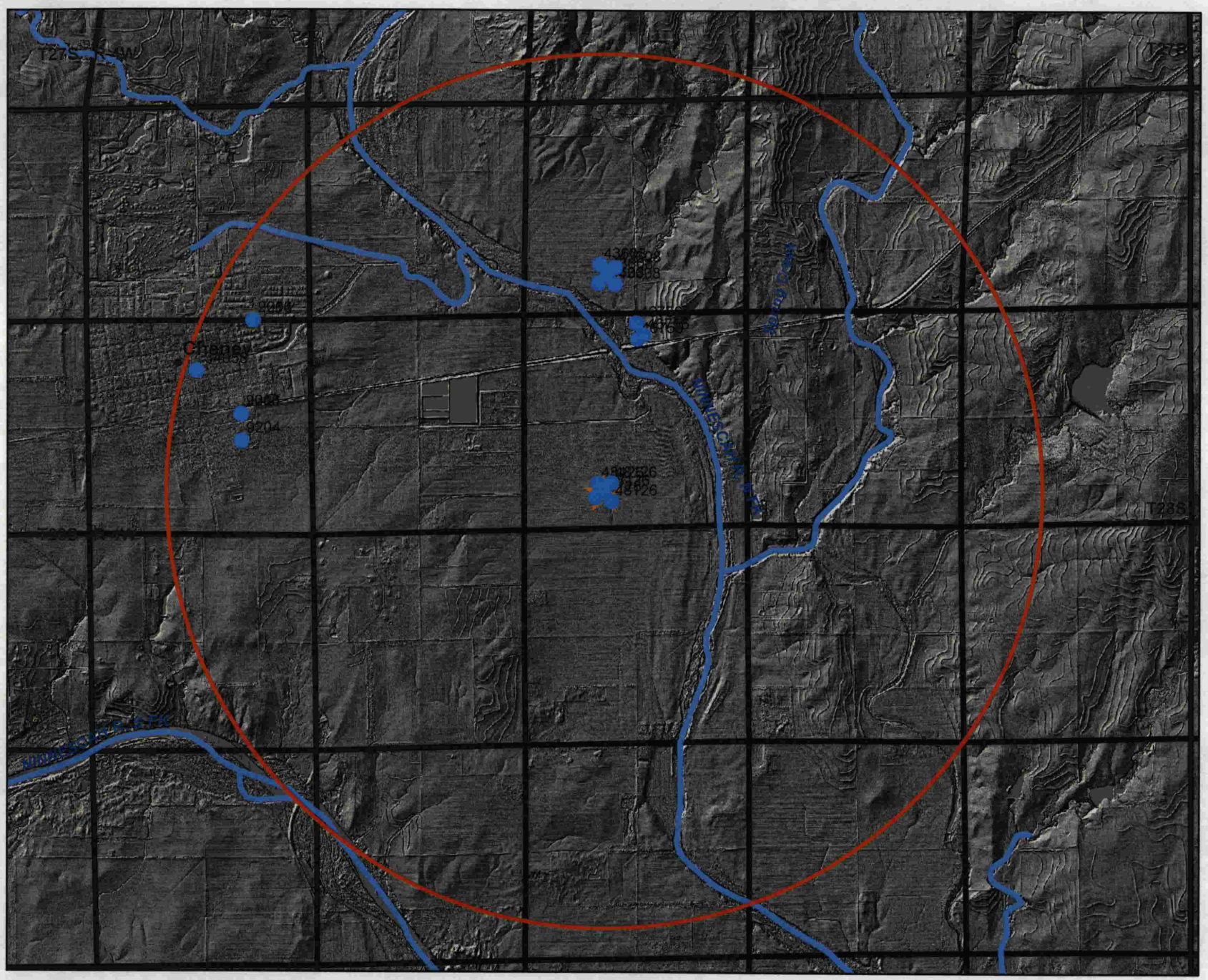
A Water Conservation Plan may be required per K.S.A. 82a-733. A statement that your application for permit to appropriate water may be subject to the minimum desirable streamflow requirements per K.S.A. 82a-703a, b, and c may also be required from you. After the Division of Water Resources has had the opportunity to review your application, you will be notified whether or not you will need to submit a Water Conservation Plan. You also may be required to install a water flow meter or water stage measuring device on your diversion works prior to diverting water. There may be other special conditions or Groundwater Management District regulations that you will need to comply with if this application is approved.

CONVERSION FACTORS

1 acre-foot equals 325,851 gallons

1 million gallons equal 3.07 acre-feet

File No. 49,450 - Safe Yield Evaluation



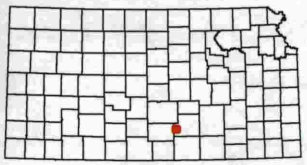
Legend

WIMAS_PD

S_UMW

- G_IRR
- G_MUN
- G_THX

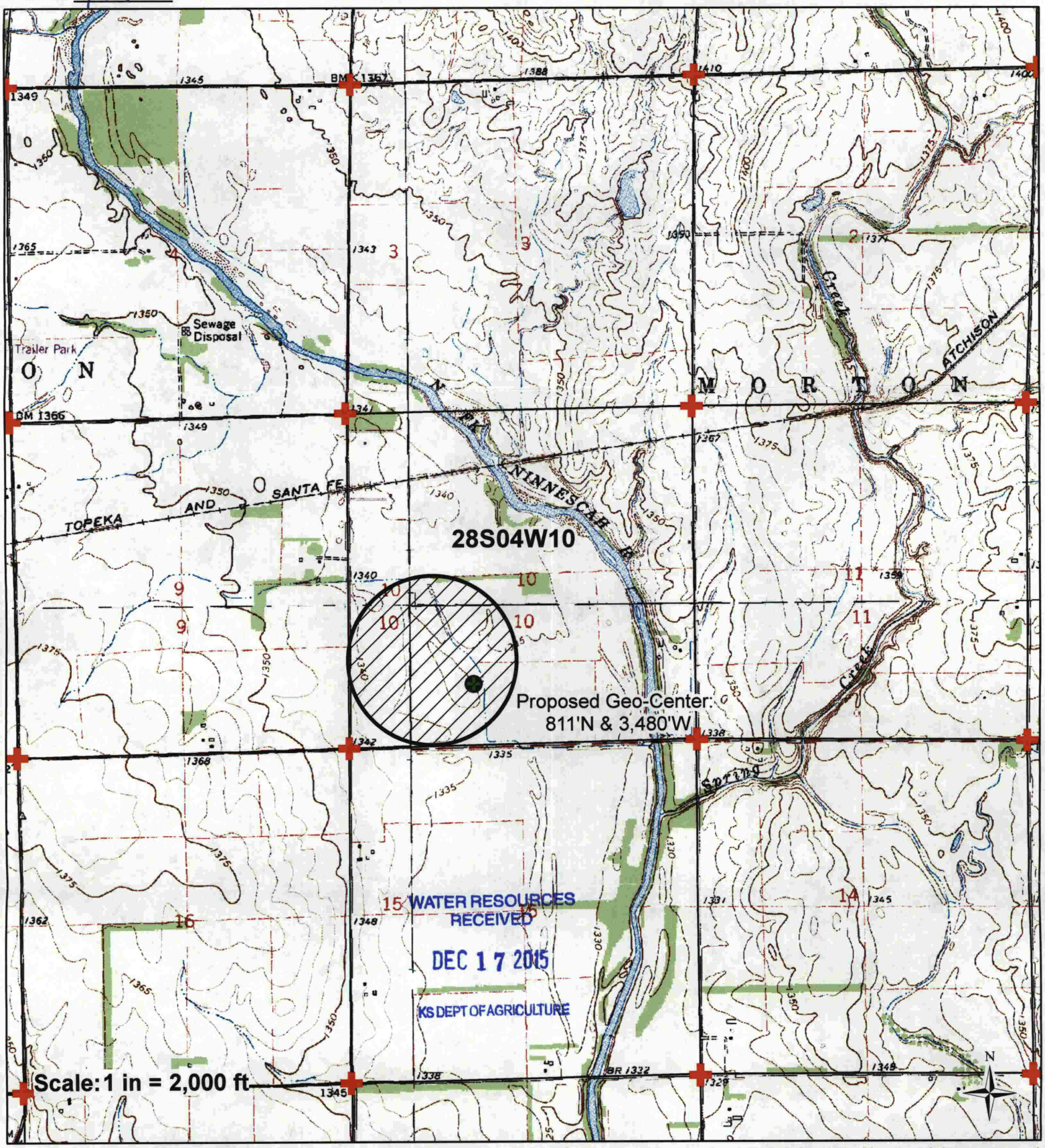
Index Map



0 0.275 0.55 1.1 1.65 2.2 Miles

This map was created by WIMAS

File No. 49450



I declare that all water wells or diversion sites using the same source of supply and within ½ mile of the proposed point of diversion have been plotted on the application map.

- Proposed Point of Diversion
- Proposed Place of Use
- Water Rights
- Section Corner

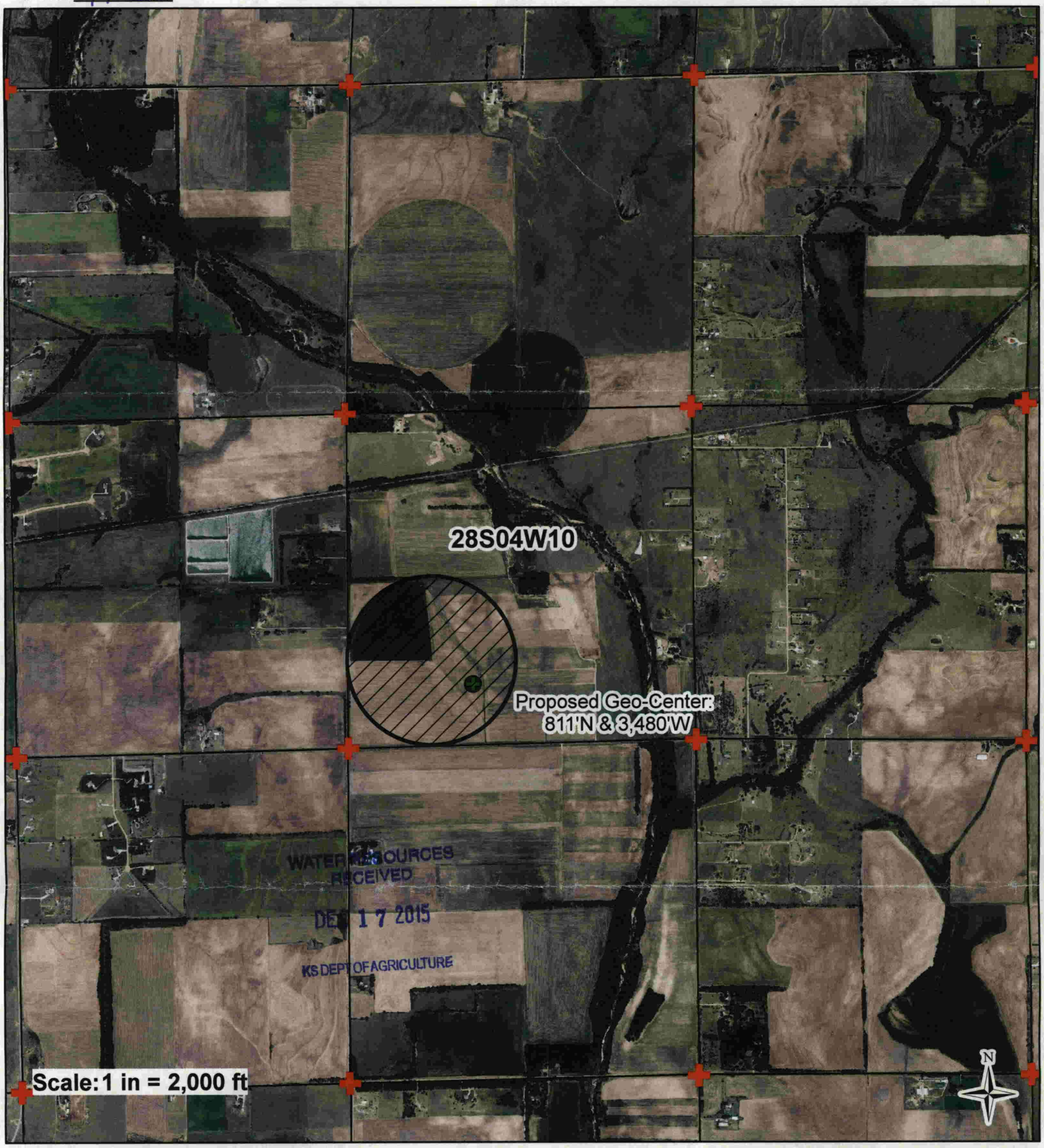
Signature

Date SEP 02 2015

Created By: Matt Meier
F.O. 2
Date:8/31/2015

0 1,550 3,100 6,200 Feet

File No. 49450



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Proposed Point of Diversion

Proposed Place of Use

Water Rights

Section Corner

Max E. Wells — Signature

8-31-15 — Date

Created By: Matt Meier
NO. 2
Date: 8/31/2015

0 1,550 3,100 6,200 Feet

Safe Yield Report Sheet
Proposed Water Right Application
Point of Diversion in SENWSESW 10-28S-04W

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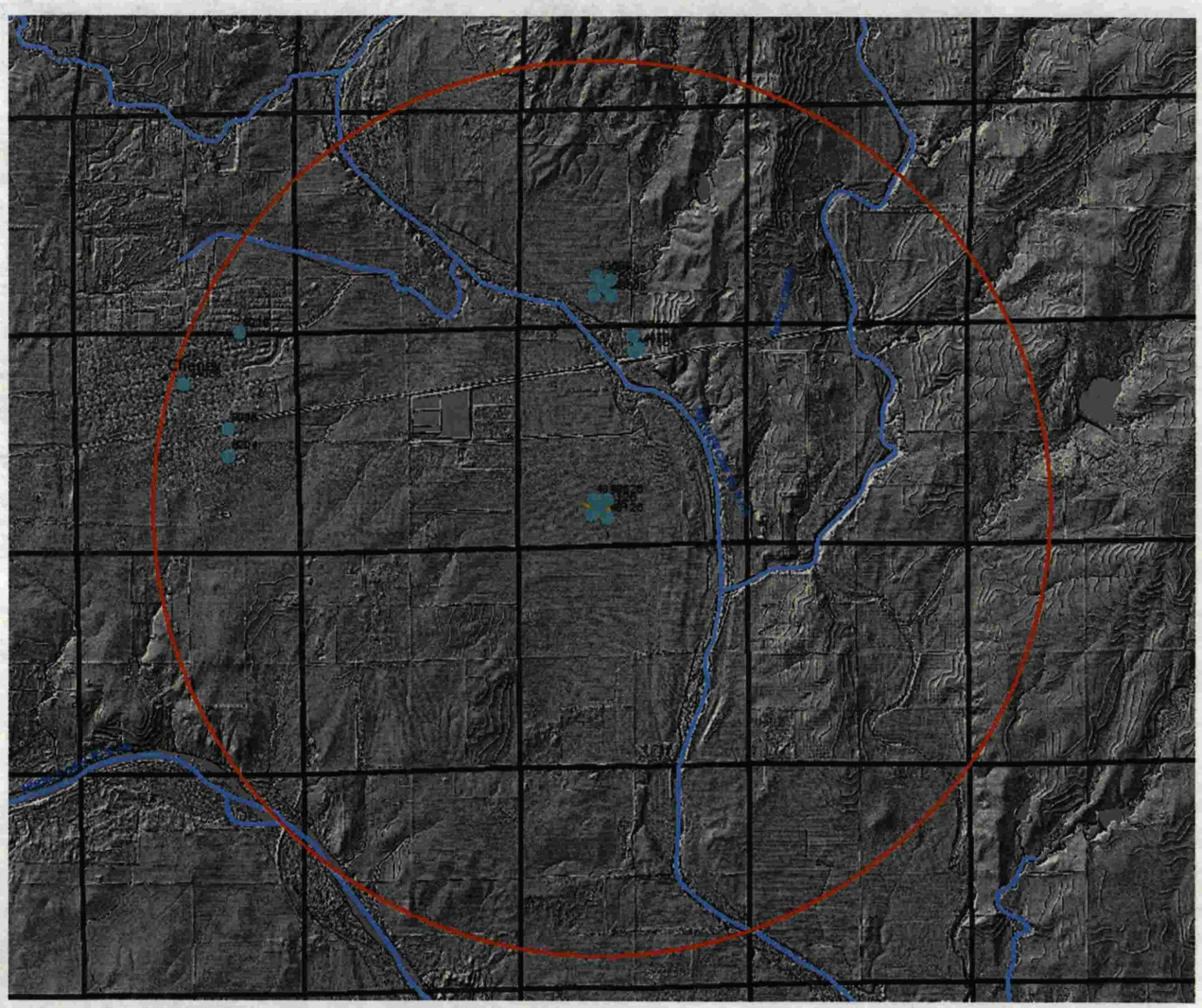

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Analysis Results

The selected PD is in an area to new appropriations.
The safe yield, based on the variables listed below is 740.53 AF.
Total prior appropriation in the circle is 509.44 AF.
Total quantity of water available for appropriation is 231.09 AF.

Safe Yield Variables

The area used for the analysis is set at 8,042 acres.
Potential annual recharge of the area is estimated to be 2.21 inches.
The percent of recharge available for appropriation is 50%.

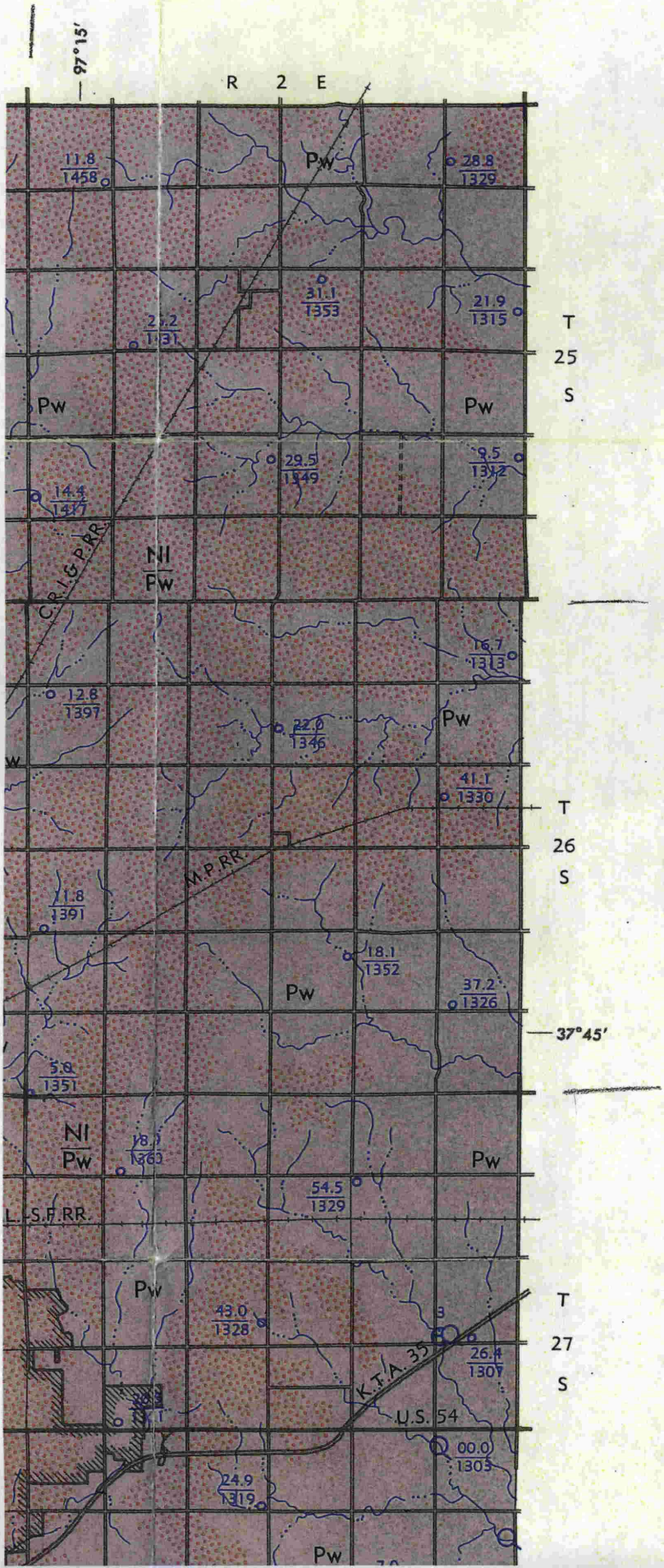
Authorized Quantity values are as of 10-FEB-2016 and are based on Appropriated and Vested ground water right and possible stream nodes for GMD #2. Domestic, Term and Temporary water rights have been excluded.

There are 6 water right(s) and 17 point(s) 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	Tacres	Nacres
A	2016 00	MUN	NK	G		SE	SW	NE	0	0	08	28	04W	3	WR	42.00	42.00		
Same		MUN	NK	G	SE	CR	SW	SE	0	0	05	28	04W	1	WR				
A	9204 00	MUN	NK	G		SE	SW	NE	0	0	08	28	04W	3	WR	91.53	54.36		
Same		MUN	NK	G	SE	CR	SW	SE	0	0	05	28	04W	1	WR				
Same		MUN	NK	G		NE	NW	SE	0	0	08	28	04W	5	WR				
A	34058 00	THX	NK	G					3994	2775	08	28	04W	6	WR	15.27	15.27		
A	43608 00	IRR	NK	G		NW	SE	SW	881	3353	03	28	04W	1	WR	195.00	195.00	130.00	130.00
Same		IRR	NK	G		NW	SE	SW	680	3566	03	28	04W	2	WR				
Same		IRR	NK	G		NW	SE	SW	1132	3520	03	28	04W	3	WR				
Same		IRR	NK	G		NE	SE	SW	655	3170	03	28	04W	4	WR				
Same		IRR	NK	G		NE	SE	SW	1055	3155	03	28	04W	5	WR				
A	46756 00	IRR	LR	G		SW	NW	NE	4595	2510	10	28	04W	2	WR	63.70	63.70	49.00	49.00
Same		IRR	LR	G		NW	NW	NE	4750	2300	10	28	04W	3	WR				
Same		IRR	LR	G		SE	NE	NW	4440	2720	10	28	04W	4	WR				
A	48126 00	IRR	KE	G		NW	SE	SW	1003	3627	10	28	04W	6	WR	139.10	139.10	107.00	107.00
Same		IRR	KE	G		NW	SE	SW	570	3303	10	28	04W	7	WR				
Same		IRR	KE	G		NW	SE	SW	1009	3304	10	28	04W	9	WR				
Same		IRR	KE	G		NW	SE	SW	662	3687	10	28	04W	10	WR				
Same		IRR	KE	G		NW	SE	SW	811	3480	10	28	04W	11	WR				

KANSAS

Bulletin 176
Plate 1



EXPLANATION

Pleistocene Series — **NEOGENE SYSTEM**

Upper Pleistocene Subseries

Nal

Alluvium and terrace deposits (Wisconsinan to Recent)

Chiefly fine to coarse sand and fine to coarse arkosic gravel with clayey silt in upper part. Yields large quantities of water.

Nl

Loess (Illinoisan to Recent)

Tan to pinkish-tan calcareous silt; contains zones of caliche nodules and some sandy zones. Overlies Permian or Pleistocene deposits in most upland areas of the County. Generally lies above water table, but locally basal part is saturated and may yield small quantities of water.

Lower Pleistocene Subseries

Nc

Colluvium (Illinoisan to Recent)

Heterogeneous mixture of silt, clay, sand, gravel, and bedrock fragments. Generally lies above water table, but locally basal part is saturated and may yield small quantities of water from sandy zones.

Nt

Terrace deposits (Illinoisan)

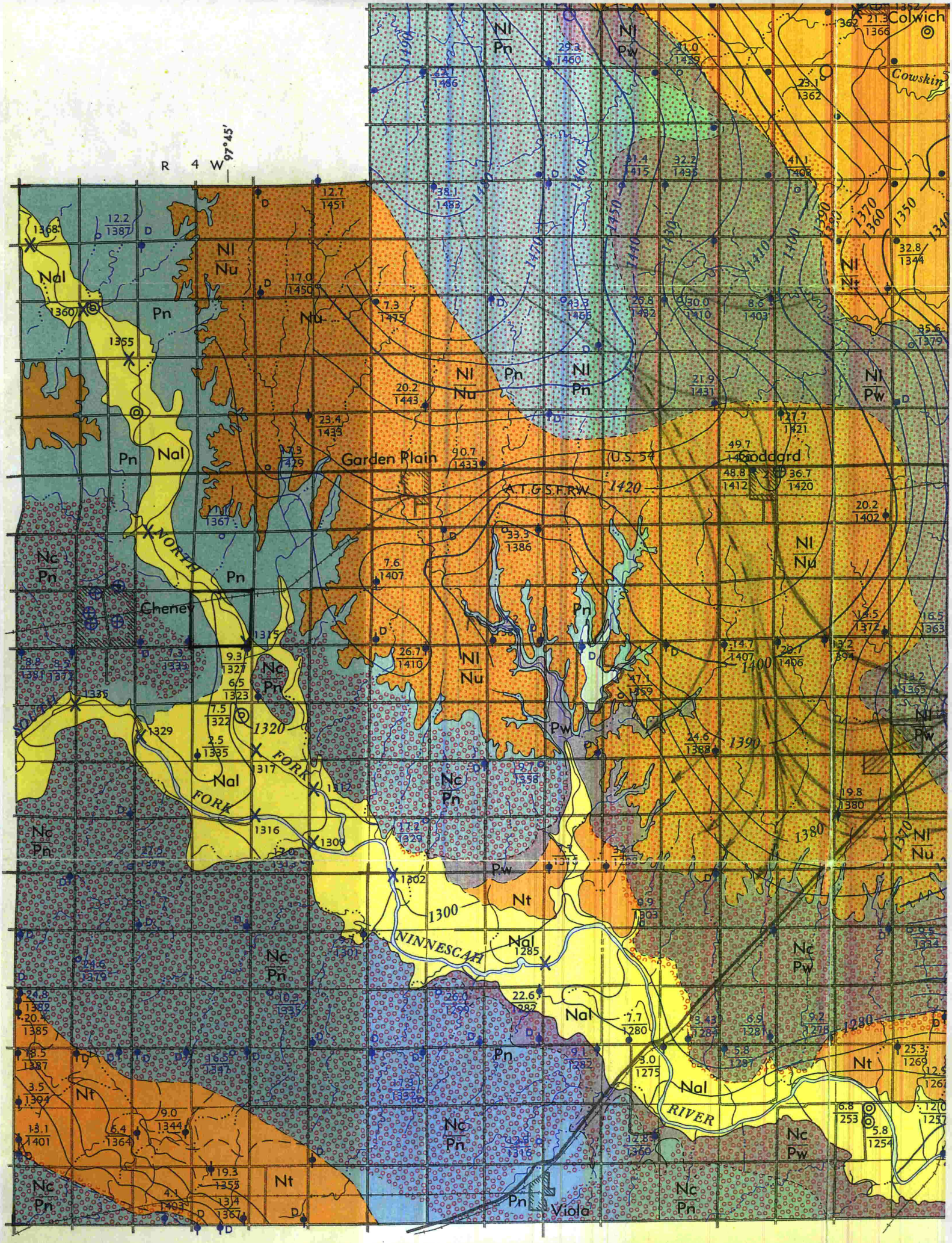
Chiefly fine to coarse sand and fine to coarse arkosic gravel with sandy silt in upper part. Sand and gravel beds locally contain silt and clay lenses. Yields large quantities of water.

Nu

Undifferentiated deposits (Nebraskan and Kansan)

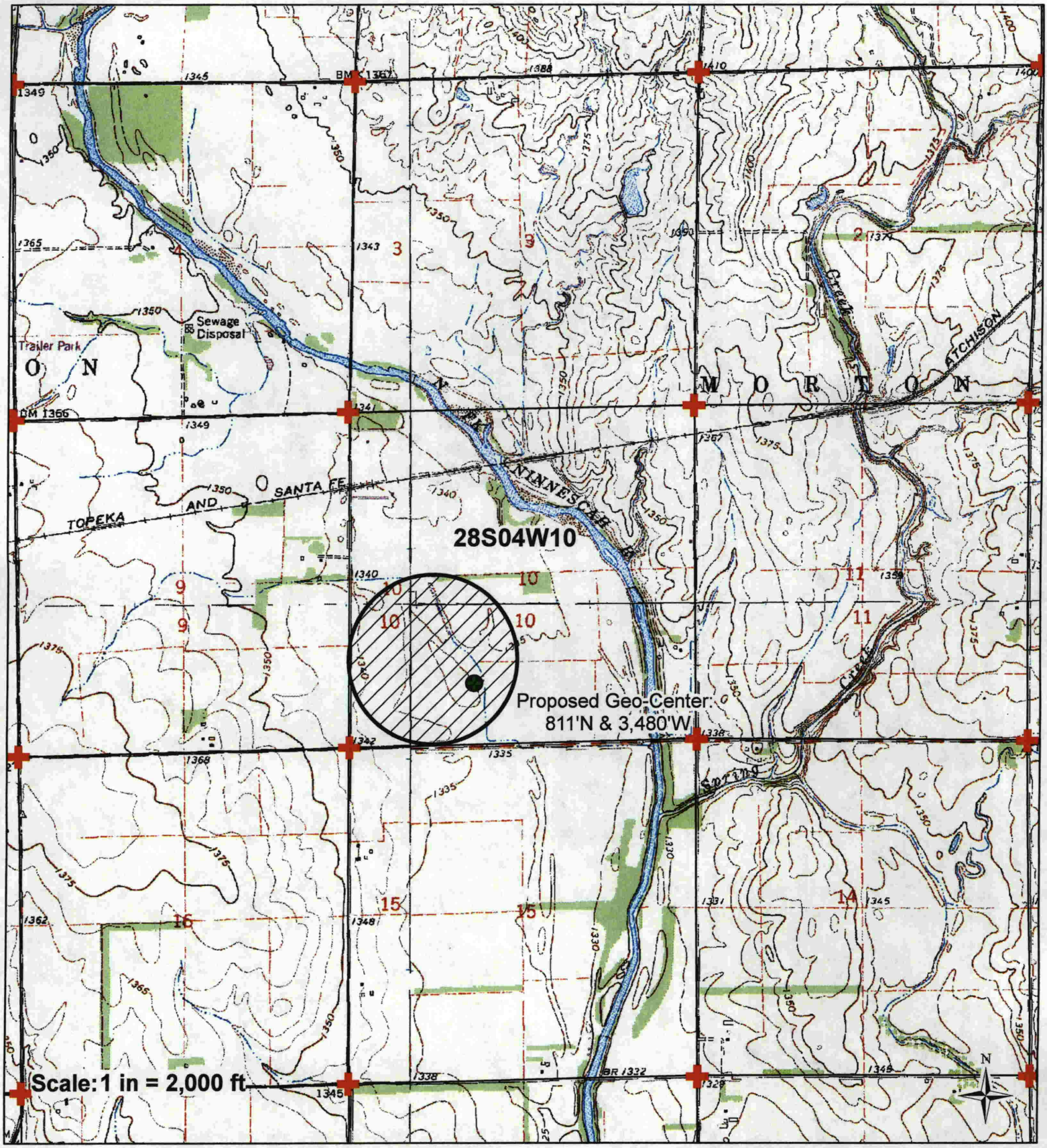
Light tan to gray, sandy silt and clay, fine to coarse sand, and fine to coarse arkosic gravel. Locally contains lenticular bed of volcanic ash in upper part. Yields small to moderate quantities of water where in upland position and large quantities in Arkansas Valley.

Pn



Base compiled from maps prepared by the Soil Conservation Service

File No. _____



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Proposed Point of Diversion

Proposed Place of Use

Water Rights

Section Corner

WATER RESOURCES
RECEIVED

Signature

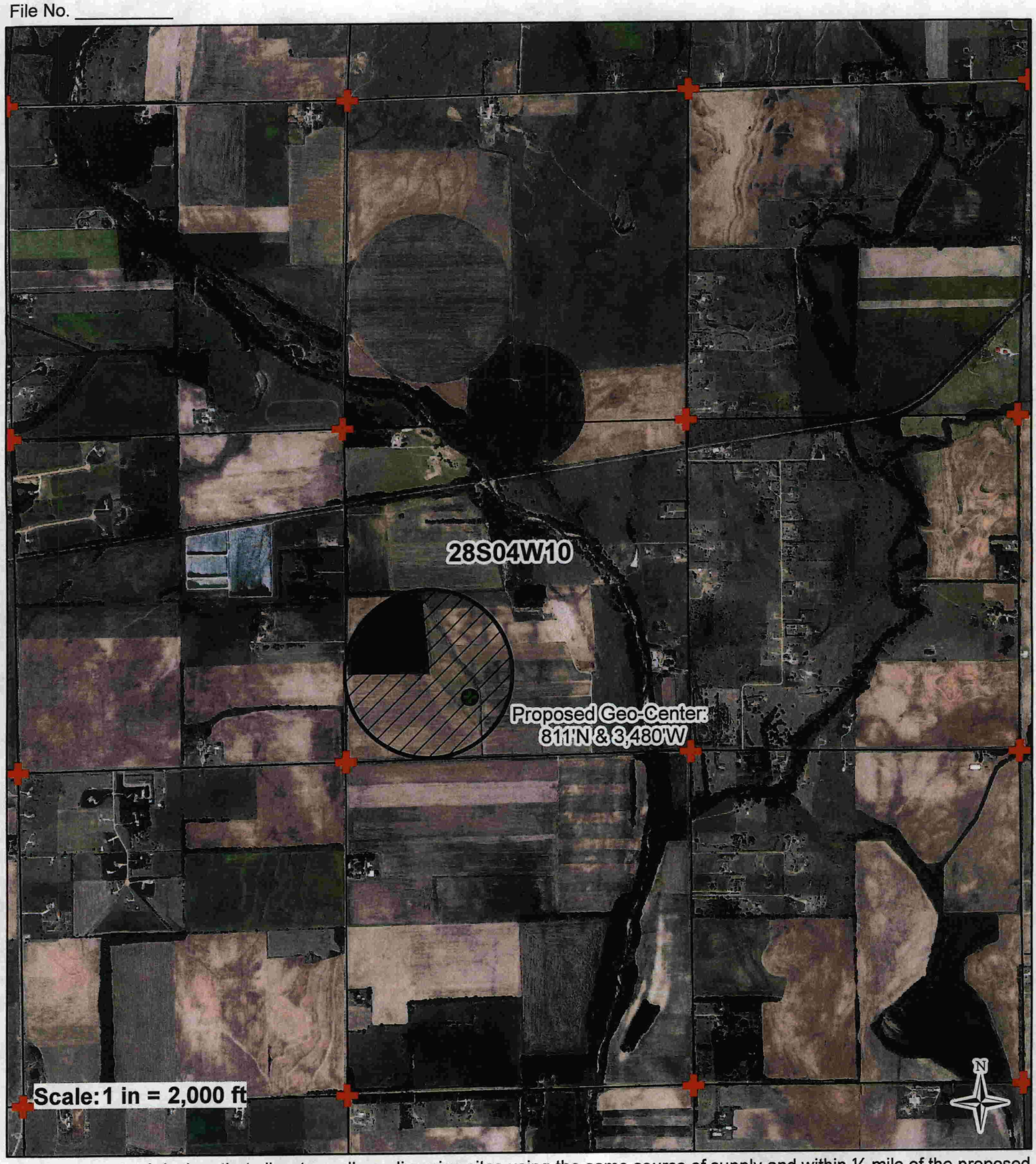
Date SEP 02 2015

Created By: Matt Meier
F.O. 2
Date:8/31/2015

0 1,550 3,100 6,200 Feet

SCANNED
KS DEPT OF AGRICULTURE

File No. _____



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