

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

1. File Number: <p style="text-align: center; font-size: 1.2em;">49,800</p>	2. Status Change Date: <p style="text-align: center; font-size: 1.2em;">6/19/2017</p>	3. Field Office: <p style="text-align: center; font-size: 1.2em;">01</p>	4. GMD: <p style="text-align: center; font-size: 1.2em;">0</p>
5. Status: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied by DWR/GMD <input type="checkbox"/> Dismiss by Request/Failure to Return			
6. Enclosures: <input checked="" type="checkbox"/> Check Valve <input checked="" type="checkbox"/> N of C Form <input checked="" type="checkbox"/> Water Tube <input checked="" type="checkbox"/> Driller Copy <input checked="" type="checkbox"/> Meter			
<p>7a. Applicant(s) Person ID <u>35367</u> New to system <input type="checkbox"/> Add Seq# _____</p> <p>DEAN HERRS BOX 329 1117 8TH RD LINN KS 66953</p>	<p>7c. Landowner(s) Person ID _____ New to system <input type="checkbox"/> Add Seq# _____</p>		
<p>7b. Landowner(s) Person ID _____ New to system <input type="checkbox"/> Add Seq# _____</p> <p>7a.</p>	<p>7d. Misc. Person ID _____ New to system <input type="checkbox"/> Add Seq# _____</p>		
<p>8. WUR Correspondent Person ID _____ New to system <input type="checkbox"/> Add Seq# _____ Overlap File (s) WUC Notarized WUC Form <input type="checkbox"/> Agree <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>7a.</p>	<p>9. Use of Water: Changing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p style="padding-left: 40px;"><input checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Surface Water</p> <p><input checked="" type="checkbox"/> IRR <input type="checkbox"/> REC <input type="checkbox"/> DEW <input type="checkbox"/> MUN</p> <p><input type="checkbox"/> STK <input type="checkbox"/> SED <input type="checkbox"/> DOM <input type="checkbox"/> CON</p> <p><input type="checkbox"/> HYD DRG <input type="checkbox"/> WTR PWR <input type="checkbox"/> ART RECHRG</p> <p><input type="checkbox"/> IND SIC: _____ <input type="checkbox"/> OTHER: _____</p>		
10. Completion Date: <u>12/31/2018</u> 11. Perfection Date: <u>12/31/2022</u> 12. Exp Date: _____			
13. Conservation Plan Required? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date Required: _____ Date Approved: _____ Date to Comply: _____			
14. Water Level Measuring Device? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date to Comply: _____ Date WLMD Installed: _____			
<p>Date Prepared: 6/5/2017 By: DWS Date Entered: 6/20/2017 By: LLM</p>			

File No. **49,800** 15. Formation Code: **330** Drainage Basin: Republican River County: **WS** Special Use: Stream:

16. Points of Diversion											
T	MOD	DEL	ENT	PDIV	Qualifier	S	T	R	ID	'N	'W
	MOD			85956	SW SW SW	23	4	2E	3	652	5,270

17. Rate and Quantity				
Authorized		Additional		
Rate gpm	Quantity af	Rate gpm	Quantity af	Overlap PD Files
1600	384	1600	384	NONE

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

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

20. Meter Required? Yes No To be installed by **12/31/2018** Date Acceptable Meter Installed _____

21. Place of Use							NE¼				NW¼				SW¼				SE¼				Total	Owner	Chg? NO	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					
	√			67921	23	4S	2E	1					40	40	40	40	40	40	40	40					320	7a	No	NONE*	

Comments: ***FILE NO. 49,677 IS BEING VOLUNTARILY DISMISSED BY APPLICANT.**

KANSAS DEPARTMENT OF AGRICULTURE
Division of Water Resources

M E M O R A N D U M

TO: Files

DATE: June 6, 2017

FROM: Doug Schemm

RE: Application, File Nos. 49,677 and 49,800

Dean Herrs has filed New Application, File No. 49,800 for permit to appropriate 384 acre-feet of groundwater at a rate of diversion of 1,600 gallons per minute from a proposed well. The well would be located in the Southwest Quarter of Section 23, in Township 4 South, Range 2 East, in Washington County. The proposed appropriation is located in the drainage basin of the Republican River. The applicant owns the entire place of use comprising 320 acres, and he has signed the application form stating that he has access to the point of diversion. The maximum allowable to irrigate the proposed 320 acres in Washington County is 1.2 acre-feet per acre, or a total of 384 acre-feet. Therefore, the quantity requested on the new application complies with the maximum allowable quantity.

Note that the applicant also has a nearby senior pending Application, File No. 49,677, with a proposed point of diversion (well) located in the Northwest Quarter of the Northeast Quarter of the Southwest Quarter (NW $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$) of Section 23, more particularly described as being near a point 2,569 feet North and 3,912 feet West of the Southeast corner of said section, in Township 4 South, Range 2 East, Washington County, Kansas. That during subsequent discussions, the applicant was informed that he was restricted to a nominal legal quarter section of land (160 acres) in which to locate the proposed well. Based on the location of the point of diversion, this area would be limited to the North Half of the Southwest Quarter and the South Half of the Northwest Quarter of the identified section. The applicant determined a better location of the well during test hole drilling, however it was outside of his allowed nominal legal quarter section of land under Application, File No. 49,677. Therefore, the applicant was assisted in filing a second new application (File No. 49,800) to authorize the new well location and he agreed to dismiss Application, File No. 49,677. A "Voluntary Dismissal of an Application for Permit to Appropriate Water" form was subsequently received in our office on April 25, 2017, signed by the applicant. A Findings and Order will be prepared for this dismissal.

The source of water for this pending groundwater application appears to be the unconfined Dakota aquifer system based on the test hole log that was submitted, and other area wells. To maintain consistency with processing of nearby wells, and per the safe yield criteria in K.A.R. 5-3-11, it is imperative to determine the extent of the unconfined aquifer (area of consideration). Wells to the north of this application are sourcing the confined Dakota aquifer system, while wells to the south are sourcing the unconfined Dakota aquifer. This delineation between the aquifers caused a portion of the two-mile circle to the north to be excluded from the area of consideration (see enclosed map). Therefore, for this application the extent of the unconfined Dakota aquifer system was determined to be 6,203 acres. Based on a potential recharge of 2.8 inches, with 75% available for appropriation, safe yield was determined to be 1,085.5 acre-feet. Existing appropriations total 451 acre-feet, leaving 634.5 acre-feet available for appropriation, and the application complies with safe yield criteria.

The applicant identified three domestic wells within one-half mile of the proposed point of diversion, including one owned by him. Nearby letters were sent to the other two well owners on April 26, 2017. No responses of any kind were received. The nearest domestic well is over 1,800 feet away. A review of the WWC-5 database shows that the nearest non-domestic well is over 5,100 feet away, and it is sourcing the confined Dakota aquifer system. The proposed point of diversion meets minimum well spacing to all wells. Per the requirements in K.A.R. 5-4-4 for the unconfined Dakota aquifer system, the minimum well spacing should be one-half mile to other non-domestic wells and 1,320 feet to domestic wells.

Dean Herrs
File Nos. 49,677 and 49,800
Page 2

In accordance with K.S.A. 82a-706c, the Chief Engineer retains full authority to require any water user to install meters, gages, or other measuring devices, which devices he or she or his or her agents may read at any time. Water flowmeter requirements are further described in K.A.R. 5-1-4 through K.A.R 5-1-12. If any chemicals will be injected into the water pumped under this permit, a check valve will also be required.

Katie Tietsort, Water Commissioner of the Topeka Field Office, recommended approval of the referenced application File No. 49,800 in a June 6, 2017 discussion.

Based on the above discussion, the area is open to new appropriations, the point of diversion meets minimum well spacing criteria, the application complies with safe yield criteria, and approval will not impair senior water rights, it is recommended that the referenced application be approved, in conjunction with the dismissal of Application, File No. 49,677.

Doug Schemm
Environmental Scientist
Topeka Field Office

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



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

Jackie McClaskey, Secretary

Governor Sam Brownback

June 21, 2017

DEAN HERRS
BOX 329
1117 8TH RD
LINN KS 66953

FILE COPY

Re: Appropriation of Water, File No. 49,800 and Application, File No. 49,677

Dear Mr. Herrs:

There is enclosed a permit to appropriate water (File No. 49,800) authorizing you to proceed with construction of the proposed diversion works (except those dams and stream obstructions regulated by K.S.A. 82a-301 through 305a), to divert such unappropriated water as may be available from the source and at the location specified in the permit, and to use it for the purpose and at the location described in the permit.

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

Failure to notify the Chief Engineer of the Division of Water Resources of the completion of the diversion works within the time allowed, or within any authorized extension of time thereof, will result in the dismissal of this permit. Enclosed is a form which may be used to notify the Chief Engineer that the proposed diversion works have been completed. All requests for extensions of time to complete diversion works, or to perfect appropriations, must be submitted to the Chief Engineer before the expiration of time originally set forth in the permit to complete diversion works or to perfect an appropriation. If for any reason, you require an extension of time, you must request it before the expiration of time set forth in this permit. Failure to comply with this regulation will result in the dismissal of your permit or your water right. Any request for an extension of time shall be accompanied by the required statutory fee, which is currently \$100.00.

There is also enclosed an information sheet setting forth the procedure to obtain a Certificate of Appropriation which will establish the extent of your water right. If you have any questions, please contact our office.

In addition, enclosed is the Findings and Order by the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, dismissing Application, File No. 49,677, as you requested in the "Voluntary Dismissal of an Application for Permit to Appropriate Water" form received in our office on April 25, 2017. Appropriation of Water, File No. 49,800 essentially replaces the dismissed application.

Dean Herrs
File Nos. 49,800 and 49,677
Page 2

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

Sincerely,



Kristen A. Baum
New Application Unit Supervisor
Water Appropriation Program

KAB:dws
Enclosures

pc: Topeka Field Office

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. 49,800** of the applicant

**DEAN HERRS
BOX 329
1117 8TH RD
LINN KS 66953**

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 **March 17, 2017**.
2. That the water sought to be appropriated shall be used for irrigation use on land described in the application, as follows:

Sec.	Twp.	Range	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
23	4S	2E					40	40	40	40	40	40	40					320	

3. That the authorized source from which the appropriation shall be made is groundwater, to be withdrawn by means of one (1) well located in the Southwest Quarter of the Southwest Quarter of the Southwest Quarter (SW¼ SW¼ SW¼) of Section 23, more particularly described as being near a point 652 feet North and 5,270 feet West of the Southeast corner of said section, in Township 4 South, Range 2 East, Washington 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 **1,600 gallons per minute (3.57 c.f.s.)** and to a quantity not to exceed **384 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, 2018** 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, 2022** 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.

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 19th day of June, 2017, in Topeka, Shawnee County, Kansas.

Lane P. Letourneau

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

State of Kansas)
) SS
County of Riley)

The foregoing instrument was acknowledged before me this 19th day of June, 2017, by Lane P. Letourneau, P.G., Program Manager, Division of Water Resources, Kansas Department of Agriculture.



Danielle Wilson

Notary Public

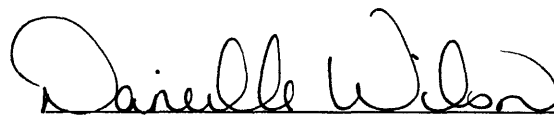
CERTIFICATE OF SERVICE

On this 21st day of June, 2017, I hereby certify that the foregoing Approval of Application and Permit to Proceed, File No. 49,800, dated June 19, 2017 was mailed postage prepaid, first class, US mail to the following:

DEAN HERRS
BOX 329
1117 8TH RD
LINN KS 66953

With photocopies to:

Topeka Field Office



Division of Water Resources

APPLICATION COMPLETE

5/11/17

Reviewer: DWS

THE STATE OF KANSAS



KANSAS DEPARTMENT OF AGRICULTURE
Jackie McClaskey, Secretary of Agriculture

DIVISION OF WATER RESOURCES
David W. Barfield, Chief Engineer

WATER RESOURCES RECEIVED

APR 17 2017

KS DEPT OF AGRICULTURE

File Number 49800

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

WATER RESOURCES RECEIVED

MAR 17 2017

12:34

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): DEAN HERRS
Address: 1117 8TH ROAD
City: LINN State: KS Zip Code 66953
Telephone Number: (785) 348-5769 or cell #785-747-7132

2. The source of water is: surface water in _____ (stream)
OR groundwater in REPUBLICAN RIVER (Dakota Formation) _____ (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 384 acre-feet OR _____ gallons per calendar year, to be diverted at a maximum rate of 1600 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

For Office Use Only:
F.O. 1 GMD Meets K.A.R. 5-3-1 (YES/NO) Use IRP Source G/S County W3 By AW Date 3/17/17
Code REG RE3 Fee \$ 320 TR # _____ Receipt Date 3/17/17 Check # 12980

UNANNOUNCED
3/20/2017 LCM

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 SW quarter of the SW quarter of the SW quarter of Section 23, more particularly described as being near a point 452 feet North and 51270 feet West of the Southeast corner of said section, in Township 4 South, Range 2 EAST, WASHINGTON County, Kansas.

***REQUEST 60 DAYS TO LOCATE IN SW 1/4.**

(B) One in the _____ quarter of the _____ quarter of the _____ quarter of Section _____, more particularly described as being near a point _____ feet North and _____ feet West of the Southeast corner of said section, in Township _____ South, Range _____ East/West (circle one), _____ County, Kansas.

(C) One in the _____ quarter of the _____ quarter of the _____ quarter of Section _____, more particularly described as being near a point _____ feet North and _____ feet West of the Southeast corner of said section, in Township _____ South, Range _____ East/West (circle one), _____ County, Kansas.

(D) One in the _____ quarter of the _____ quarter of the _____ quarter of Section _____, more particularly described as being near a point _____ feet North and _____ feet West of the Southeast corner of said section, in Township _____ South, Range _____ East/West (circle one), _____ County, Kansas.

If the source of supply is groundwater, a separate application shall be filed for each proposed well or battery of wells, except that a single application may include up to four wells within a circle with a quarter (1/4) mile radius in the same local source of supply which do not exceed a maximum diversion rate of 20 gallons per minute per well.

A battery of wells is defined as two or more wells connected to a common pump by a manifold; or not more than four wells in the same local source of supply within a 300 foot radius circle which are being operated by pumps not to exceed a total maximum diversion rate of 800 gallons per minute and which supply water to a common distribution system.

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

(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 3-14, 2017. Dean Heru
Applicant's Signature

7. The proposed project for diversion of water will consist of WELL
(number of wells, pumps or dams, etc.)

and (was) completed (by) SUMMER 2016
(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 Summer 2017
(Mo/Day/Year)

* From well log
AJW 4/16/17

WATER RESOURCES
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APR 17 2017
KS DEPT OF AGRICULTURE

WATER RESOURCES
RECEIVED
MAR 17 2017
KS DEPT OF AGRICULTURE

SCANNED

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 1/2 mile of the proposed well or wells. Identify each existing well as to its use and furnish the name and mailing address of the property owner or owners. If there are no wells within 1/2 mile, please advise us.
- (c) If the application is for surface water, the names and addresses of the landowner(s) 1/2 mile downstream and 1/2 mile upstream from your property lines must be shown.
- (d) The location of the proposed place of use should be shown by crosshatching on the topographic map, aerial photograph or plat.
- (e) Show the location of the pipelines, canals, reservoirs or other facilities for conveying water from the point of diversion to the place of use.

A 7.5 minute U.S.G.S. topographic map may be obtained by providing the section, township and range numbers to: Kansas Geological Survey, 1930 Constant, Campus West, University of Kansas, Lawrence, Kansas 66047.

12. List any application, appropriation of water, water right, or vested right file number that covers the same diversion points or any of the same place of use described in this application. Also list any other recent modifications made to existing permits or water rights in conjunction with the filing of this application.

Pending Application, File No. 49,677 OL in PU. - (to be voluntary Dismissal)

WATER RESOURCES RECEIVED

APR 17 2017

KS DEPT OF AGRICULTURE

WATER RESOURCES RECEIVED

MAR 17 2017

KS DEPT OF AGRICULTURE

SCANNED

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

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

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

14. The relationship of the applicant to the proposed place where the water will be used is that of _____
(owner, tenant, 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 Linn, Kansas, this 14 day of March, 2017.
(month) (year)

Dean News
(Applicant Signature)

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 Date: 3/8/2017
(office/title)

WATER RESOURCES RECEIVED
APR 17 2017
KS DEPT OF AGRICULTURE

WATER RESOURCES RECEIVED
MAR 17 2017
KS DEPT OF AGRICULTURE

SCANNED

* Per discussion with applicant, to include entire west Half of Section 23 in place of use. DWS/DWR 5/10/17

IRRIGATION USE
SUPPLEMENTAL SHEET

File No. 49800

Name of Applicant (Please Print): Dean Herrs

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: Dean Herrs
ADDRESS: 1117 8th Rd. Linn, Ks 66953

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
23	4	28					40	40	40	40	40	40	40	40					280.320*

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.


Kansas
Department of Agriculture
Division of Water Resources

Topeka Field Office
6531 SE Forbes Ave., Suite B
Topeka, Kansas 66619

Jackie McClaskey, Secretary
David W. Barfield, Chief Engineer
Katherine A. Tietsort, Water Commissioner

Phone: (785) 296-5733
Fax: (785) 862-2460
www.agriculture.ks.gov
Sam Brownback, Governor

April 26, 2017

LOWELL KOHLMEIER
3446 VANESTA DRIVE
MANHATTAN KS 66503-0379

Re: Pending New Application, File No. 49,800

Dear Sir or Madam:

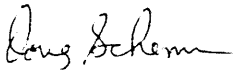
This is to advise you that Dean Herra has filed the application referred to above for a permit to appropriate 384 acre-feet of groundwater per calendar year for irrigation use to be diverted at a maximum rate of 1,600 gallons per minute. The proposed point of diversion (well) is located as follows:

In the Southwest Quarter of the Southwest Quarter of the Southwest Quarter of Section 23, in Township 4 South, Range 2 East, Washington County, Kansas.

A map is enclosed indicating the location of the proposed point of diversion. Records in this office indicate that you may have a well or wells in this vicinity and you are being notified of receipt of this application in order that you may be fully informed of the proposed location of the applicant's point of diversion and proposed use of water. Consideration will be given to comments or other information which you desire to submit to this office **within 15 days** from the date of this letter.

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

Sincerely,



Douglas W. Schemm
Environmental Scientist
Topeka Field Office

Enclosure

pc: Dean Herra


Kansas
Department of Agriculture
Division of Water Resources

Topeka Field Office
6531 SE Forbes Ave., Suite B
Topeka, Kansas 66619

Jackie McClaskey, Secretary
David W. Barfield, Chief Engineer
Katherine A. Tietsort, Water Commissioner

Phone: (785) 296-5733
Fax: (785) 862-2460
www.agriculture.ks.gov
Sam Brownback, Governor

April 26, 2017

NEIL SCHAEFER
9720 PINWOOD DRIVE
DENTON TX 76207

Re: Pending New Application, File No. 49,800

Dear Sir or Madam:

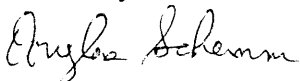
This is to advise you that Dean Herrs has filed the application referred to above for a permit to appropriate 384 acre-feet of groundwater per calendar year for irrigation use to be diverted at a maximum rate of 1,600 gallons per minute. The proposed point of diversion (well) is located as follows:

In the Southwest Quarter of the Southwest Quarter of the Southwest Quarter of Section 23, in Township 4 South, Range 2 East, Washington County, Kansas.

A map is enclosed indicating the location of the proposed point of diversion. Records in this office indicate that you may have a well or wells in this vicinity and you are being notified of receipt of this application in order that you may be fully informed of the proposed location of the applicant's point of diversion and proposed use of water. Consideration will be given to comments or other information which you desire to submit to this office **within 15 days** from the date of this letter.

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

Sincerely,

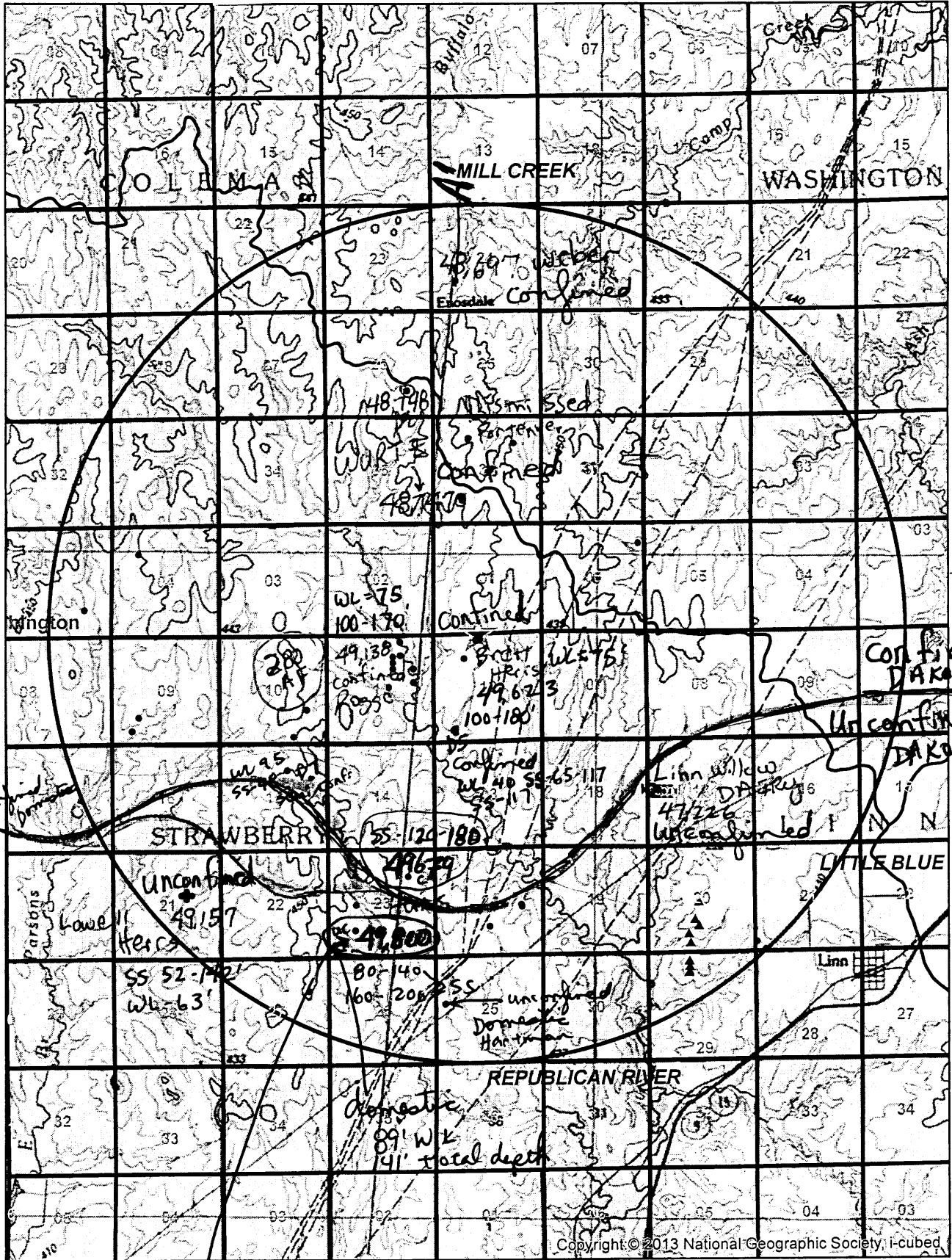


Douglas W. Schemm
Environmental Scientist
Topeka Field Office

Enclosure

pc: Dean Herrs

DAKOTA WELLS



sec. 18

1:83,636

unconfined DAKOTA

Sargent Drilling

Geneva, NE

TEST HOLE LOG

RECEIVED 7,000

APR 8 2017 \$49,800

Topeka Field Office
DIVISION OF WATER RESOURCES

CUSTOMER: Dean Hess TH #2 17-067	DATE: 3-7-17	
LOCATION: Linn KS	SWL	
DRILLED BY: S. Ott	PWL	GPM
GPS: N 39° 41' 03.6" W 097° 10' 52.0"		
ELEVATION: 1476	39.684333	97.181111
		Sec. 23-45-2E

(Include: Type, Hardness & Color)

0	20	Top 5' White Clay 5' Shale Red, White & Blue Sandstone 2' Blue
20	40	Shale Red, White Blue, Brown
40	60	Shale White, Brown, Blue
60	80	Shale Blue White Red, Brown, Gray
80	100	Sandstone in Blue Shale layers
100	120	Sandstone
120	140	Sandstone 3' Shale Gray, White, Red, Brown
140	160	Brown, White Shale 9' Sandstone 11'
160	180	Sandstone 10'
180	200	Sandstone 16' Shale 4'
200	220	Shale gray, Blue, Blue 10'
220	240	
240	260	
260	280	
280	300	
300	320	
320	340	
340	360	
360	380	
380	400	

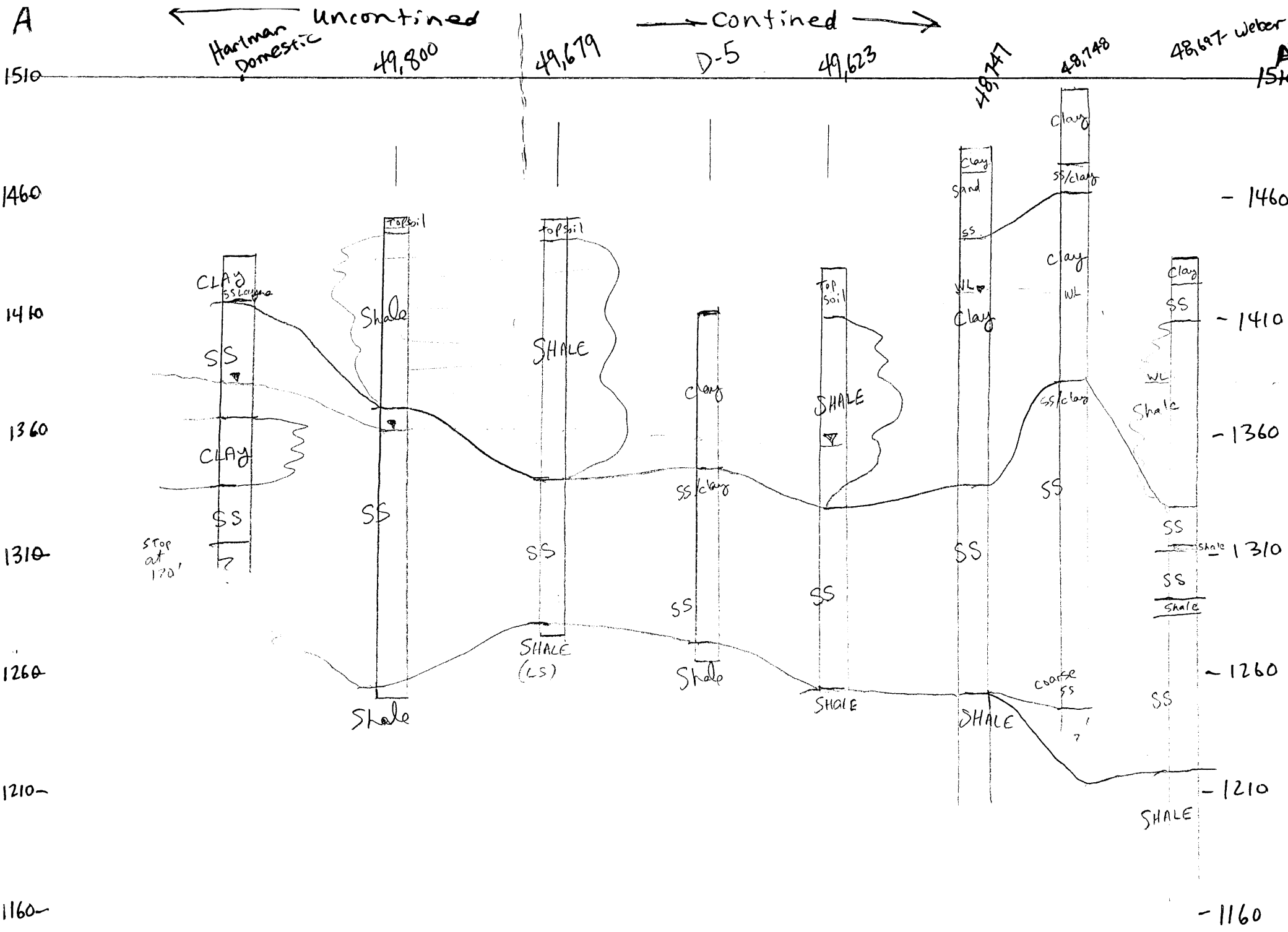
Well Depth: _____' Plain casing: _____' of _____" OD & _____" ID type _____

Bore Hole Dia: _____" Perf casing: _____' of _____" x _____" OD Slot Size _____

Gravel pack from _____' to _____' and from _____' to _____' desc _____ qty _____

Grouted/sealed from _____' to _____' and from _____' to _____' volume _____ type _____

from _____' to _____' and from _____' to _____' volume _____ type _____



associated DRILLING, INC.

201 Industrial Rd., PO Box 7, Olsburg, KS 66520
(785) 468-3324, Fax: (785) 468-3363

48,697
Weber

July 1, 2013

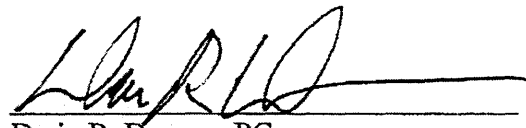
Test hole log for Scott Weber located at N 39.77460 W 97.15765 with an elevation of
1451 feet

1435'

SW 1/4 Sec 24-3-2 E

0-12	Clay
12-30	Sandstone
30-108	Shale, red to tan to gray
108-124	Sandstone
124-128	Shale, Tan
128-148	Sandstone
148-156	Shale, Gray
156-222	Sandstone
222-260	Shale, Gray

The test hole was 6-inches in diameter drilled with 4.5 inch drill stem. The test hole appears it will yield adequate quantities of water for irrigation purposes.



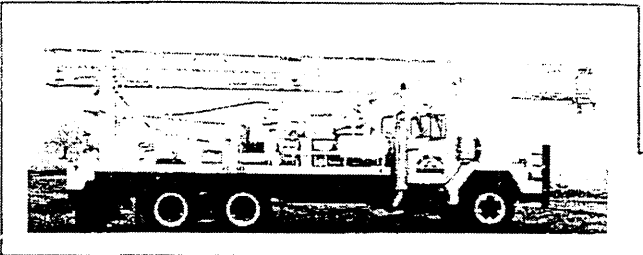
Darin R. Duncan, PG
Associated Drilling, Inc.

WATER RESOURCES
RECEIVED
JUL 15 2013
KS DEPT OF AGRICULTURE

SCANNED

48,748

DARYL COX 913 455-3301



DARYL COX & SONS, INC.
WELL DRILLERS

CLIFTON, KANSAS 66937

FOR Calvin Wilgers DATE January 25, 1981
Washington, Kansas

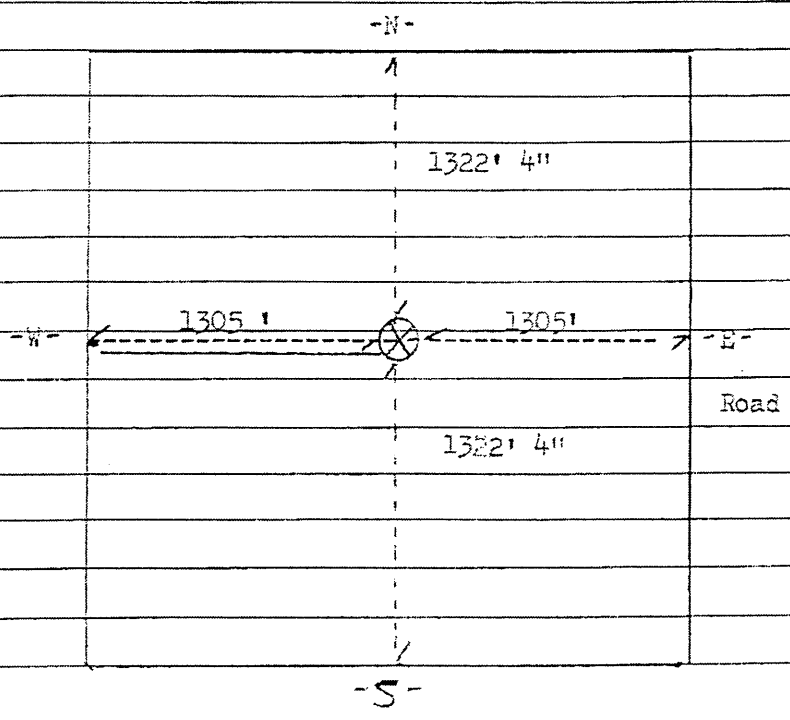
SEA

1505' ELEV.

Log: Drilled in center of section 26, Township 3, Range 3 East, Washington County

0-----3	topsoil			
3-----32	brown clay			
32-----48	sandrock / clay layers			
48-----66	brown clay			
66-----78	red clay			
78-----128	gray clay			
128-----187	sandrock w/ clay layers			
187-----188	hard rock			
188-----204	sandrock w/ clay layers			
204-----206	blue clay			
206-----219	sandrock w/ clay layers			
219-----260	sandrock coarse			
260-----	caved and stop			

Measurements of Field:



WATER RESOURCES
RECEIVED

AUG 08 2013

KS DEPT OF AGRICULTURE

SCANNED

48,747

Sargent Drilling

INDUSTRIAL ENGINEERING
COMPLETE MUNICIPAL AND INDUSTRIAL
WELL AND PUMP SERVICE

PO Box 367
Geneva, NE 68361-0367

846 South 13th St.

Phone: (402) 759-3902
1-888-496-3902

TEST HOLE LOG

1480'

CUSTOMER: Calvin Wilgers	
WELL ID:	
LOCATION: SW ¼, 36-T3S-R2E, Washington Co., NE	
LATITUDE: 39° 44' 41.1"	
LONGITUDE: 097° 09' 25.7"	
FOOTAGES:	
DATE: 10-31-08	DRILLED BY: CL

SWL: ≈ 60'
PWL:

<u>from feet</u>	<u>- to feet</u>	
0	10	Tan clay and hard spots
10	20	Fine, medium and coarse orange sand
20	33	Fine and medium yellow sand
33	37	Very hard rock
37	40	Clay
40	95	Red and white sticky clay
95	105	Blue clay
105	120	Red and gray clay
120	136	White and tan clay
136	140	Blue clay and sand streaks
140	160	Sandstone and blue clay streaks
160	220	Fine sandstone
220	228	Fine and medium sandstone
228	240	Blue shale. Hard

RECEIVED
MAR 30 2009
BUREAU OF WATER

dh

SCANNED

48,747

1480'

USE TYPEWRITER OR BALL POINT PEN-PRESS FIRMLY, PRINT CLEARLY.

WATER WELL RECORD
KSA 82a-1201-1215

Kansas Department of Health and Environment-Division of Environment (Water well Contractors) Topeka, Kansas 66620

1. Location of well:		County WASHINGTON	Fraction C1/4 1/4 SW 1/4	Section number 36	Township number T 3 S R 2 E	Range number 2 E
2. Distance and direction from nearest town or city: 6 SOUTH			3. Owner of well: CALLVIN WILGERS			
Street address of well location if in city: 1/2 E MEADOWVILLE			R.R. or street: ROUTE 1			
			City, state, zip code: WASHINGTON, KANS			
4. Locate with "X" in section below:			Sketch map:		6. Bore hole dia. 22 in. Completion date 6-1-77 Well depth 230 ft.	
					7. <input type="checkbox"/> Cable tool <input checked="" type="checkbox"/> Rotary <input type="checkbox"/> Driven <input type="checkbox"/> Dug <input type="checkbox"/> Hollow rod <input type="checkbox"/> Jetted <input type="checkbox"/> Bored <input type="checkbox"/> Reverse rotary	
					8. Use: <input type="checkbox"/> Domestic <input type="checkbox"/> Public supply <input type="checkbox"/> Industry <input checked="" type="checkbox"/> Irrigation <input type="checkbox"/> Air conditioning <input type="checkbox"/> Stock <input type="checkbox"/> Lawn <input type="checkbox"/> Oil field water <input type="checkbox"/> Other	
					9. Casing: Material AC Height Above or below Threaded <input type="checkbox"/> Welded <input type="checkbox"/> Surface 12 in. RMP <input type="checkbox"/> PVC <input type="checkbox"/> Weight 30 lbs./ft. Dia 12 in. to 230 ft. depth Wall Thickness: inches or Dia. <input type="checkbox"/> in. to <input type="checkbox"/> ft. depth gage No. 34	
5. Type and color of material			From	To	10. Screen: Manufacturer's name JOHANSON CONCRETE Type ASBESTOS Dia. 12 Blot/gauze 1/8 Length 52 Set between 178 ft. and 230 ft. Gravel pack? YES Size range of material 4 X 1/4	
TOPSOIL			0	2	11. Static water level: 61 ft. below land surface Date 6-1-77	
BROWN CLAY			2	13	12. Pumping level below land surfaces: 220 ft. after 1 hrs. pumping 500 g.p.m. ____ ft. after ____ hrs. pumping ____ g.p.m. Estimated maximum yield 500 g.p.m.	
SANDY CLAY			13	18	13. Water sample submitted: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Date _____	
SAND			18	23	14. Well head completion: <input type="checkbox"/> Pitless adapter 12 inches above grade	
SANDROCK			23	34	15. Well grouted? YES With: <input type="checkbox"/> Neat cement <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Concrete Depth: From 0 ft. to 10 ft.	
HARD ROCK			34	37	16. Nearest source of possible contamination: ft. 1500 Direction SW Type LITB Well disinfected upon completion? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
BROWN CLAY			37	98	17. Pump: <input type="checkbox"/> Not installed Manufacturer's name WESTERN LAND ROLLER Model number 1100-HC HP 80 Volts _____ Length of drop pipe 215 ft. capacity 500 g.p.m. Type: <input type="checkbox"/> Submersible <input checked="" type="checkbox"/> Turbine <input type="checkbox"/> Jet <input type="checkbox"/> Reciprocating <input type="checkbox"/> Centrifugal <input type="checkbox"/> Other	
GRAY CLAY			98	134		
SANDROCK			134	156		
RED CLAY			156	160		
SANDROCK			160	174		
RED CLAY			174	175		
SANDROCK			175	230		
STOP			230			
(Use a second sheet if needed)						
18. Elevation: 83		19. Remarks:			20. Water well contractor's certification: This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief. GEO COX & SONS INC 258 Business name License No. Address ELIOT, KANS 66937 Signed Harold Cox Date 6-1-77 Authorized representative	
Topography: <input type="checkbox"/> Hill <input type="checkbox"/> Slope <input checked="" type="checkbox"/> Upland <input type="checkbox"/> Valley						

3
20
36
CSW
1/4 1/4 1/4

Forward the white, blue and pink copies to the Department of Health and Environment

RECEIVED Form WWC-5

Original well - plugged

AUG 08 2013

MS-1023
SCANNED
KS DEPT OF AGRICULTURE

* For test hole GPS, well is located 5,142' N & 3,319' W. DWS 12UR 49,623
 confirmed well location with applicant on 3/21/17. 3/21/17

1430' elev

Sargent Drilling

Geneva, NE
TEST HOLE LOG

CUSTOMER: <u>Brett Harris TA 17-074</u>	DATE: <u>3-15-17</u>
LOCATION: <u>Lincoln KS</u>	SWL
DRILLED BY: <u>Scott</u>	PWL
GPS: N <u>34° 43' 33.0"</u> W <u>097° 09' 19.7"</u>	GPM
ELEVATION: <u>1409'</u>	

(Include: Type, Hardness & Color)

0	20	Sandy Top Soil 5' Shale Brown, White Red
20	40	Shale Red, white, gray
40	60	Shale gray, white, Red
60	80	Shale Red, white, Gray
80	100	Shale gray in sandstone striped layers 13' sandstone 7'
100	120	Sandstone
120	140	Sandstone
140	160	Fine to Medium Sandstone
160	180	Medium Sandstone 5' Shale, white, gray, black
180	200	
200	220	
220	240	

RECEIVED

MAR 15 2017

Tupper Field Office
 DIVISION OF WATER RESOURCES

casing _____ of _____ OD _____ ID type _____
 casing _____ of _____ OD _____ Slot Size _____
 to _____ and from _____ to _____ desc _____ qty _____
 and from _____ to _____ volume _____ type _____
 and from _____ to _____ volume _____ type _____

49,138

Similar log to
file # 49,623

associated DRILLING, INC.

201 Industrial Rd., PO Box 7, Olsburg, KS 66520
(785) 468-3324, Fax: (785) 468-3363

July 21, 2014, 2014

Test hole log for Ralph Rogge.


The location of the test hole is N 39.722974 W 97.170524 with an elevation of ~~1447~~ feet.

1410'

0-34	Clay, red to red brown
34-35	Sand, fine to medium ~ 5 gpm
35-100	Shale, gray, red and tan
100-170	Sandstone, H2O, > 100 gpm
170-216	Shale, gray
216	Total depth

Static Water Level: 75 feet below ground surface.

There appears to be approximately 70 feet of water bearing sandstone present. It may require a battery of wells to supply enough water to a center pivot irrigation system.



 Darin R. Duncan, PG
 Associated Drilling, Inc.

RECEIVED
 JUL 25 2014
 TOPEKA FIELD OFFICE
 DIVISION OF WATER RESOURCES

WATER RESOURCES
 RECEIVED
 AUG 20 2014
 SCANNED

KS DEPT OF AGRICULTURE

1410' confined D-5

1 LOCATION OF WATER WELL: Fraction SW 1/4 SE 1/4 SW 1/4 Section Number 12 Township Number T 4 S Range Number R 2 (E/W)
 County: Washington

Distance and direction from nearest town or city street address of well if located within city?
 2 North & 4 West of Linn

2 WATER WELL OWNER: Terry Kearn
 RR#, St. Address, Box # : 225 E 3 Board of Agriculture, Division of Water Resources
 City, State, ZIP Code : Washington, KS 66968 Application Number:

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX: [Diagram of a 36-acre section with NW, NE, SW, SE quadrants and center marked with an asterisk and 'S']

4 DEPTH OF COMPLETED WELL 140 ft. ELEVATION: _____ ft.
 Depth(s) Groundwater Encountered _____ ft. 2 _____ ft. 3 _____ ft.
 WELL'S STATIC WATER LEVEL 40' ft. below land surface measured on mo/day/yr 4/21/05
 Pump test data: Well water was _____ ft. after _____ hours pumping _____ gpm
 Est. Yield 100 gpm: Well water was _____ ft. after _____ hours pumping _____ gpm
 WELL WATER TO BE USED AS:
 1 Domestic 3 Feedlot 5 Public water supply 8 Air conditioning 11 Injection well
 2 Irrigation 4 Industrial 6 Oil field water supply 9 Dewatering 12 Other (Specify below)
 7 Domestic (lawn & garden) 10 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 BLANK CASING USED:
 1 Steel 3 RMP (SR) 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued * _____ Clamped _____
 2 PVC 4 ABS 6 Asbestos-Cement 9 Other (specify below) Welded _____
 7 Fiberglass Threaded _____

Blank casing diameter 5 in. to 120 ft. Dia _____ in. to _____ ft. Dia _____ in. to _____ ft.
 Casing height above land surface 18 in., weight 200 lbs./ft. Wall thickness or gauge No. 265

TYPE OF SCREEN OR PERFORATION MATERIAL:
 1 Steel 3 Stainless Steel 5 Fiberglass 7 PVC 10 Asbestos-Cement
 2 Brass 4 Galvanized Steel 6 Concrete tile 8 RMP (SR) 11 Other (Specify) _____
 9 ABS 12 None used (open hole)

SCREEN OR PERFORATION OPENINGS ARE:
 1 Continuous slot 3 Mill slot 5 Gauzed wrapped 8 Saw cut 11 None (open hole)
 2 Louvered shutter 4 Key punched 6 Wire wrapped 9 Drilled holes
 7 Torch cut 10 Other (specify) _____ ft.

SCREEN-PERFORATED INTERVALS: From 120 ft. to 140 ft. From _____ ft. to _____ ft.
 From _____ ft. to _____ ft. From _____ ft. to _____ ft.
 GRAVEL PACK INTERVALS: From 30 ft. to 140 ft. From _____ ft. to _____ ft.
 From _____ ft. to _____ ft. From _____ ft. to _____ ft.

6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other _____
 Grout intervals: From 5' ft. to 30 ft. From _____ ft. to _____ ft. From _____ ft. to _____ ft.
 What is the nearest source of possible contamination:
 1 Septic tank 4 Lateral lines 7 Pit privy 10 Livestock pens 14 Abandoned water well
 2 Sewer lines 5 Cess pool 8 Sewage lagoon 11 Fuel storage 15 Oil well/Gas well
 3 Watertight sewer lines 6 Seepage pit 9 Feedyard 12 Fertilizer storage 16 Other (specify below)
 13 Insecticide storage _____
 Direction from well? SE How many feet? 60

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	13	Brown Clay			
13	17	Light Brown Clay			
17	51	Orange Silty Clay			
51	65	Ironstone & Clay			
65	117	Sandstone & Clay			
117	138	Sandstone			
138	142	Gray Shale			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) 4/21/05 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's Licence No 518 This Water Well Record was completed on (mo/day/yr) 5/10/05 under the business name of Blue Valley Drilling by (signature) [Signature]

INSTRUCTIONS: Use typewriter or ball point pen. PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies 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 to WATER WELL OWNER and retain one for your records. Fee of \$5.00 for each constructed well.

49,679 Herrs



1450

~~Matt~~ Matt

Sargent Drilling

Geneva, NE

402.759-3902

TEST HOLE LOG

CUSTOMER:	Kent Herrs	TH #	17-068	DATE:	3-15-17
LOCATION:	Linn KS	SWL			
DRILLED BY:	Scott	PWL		GPM	
GPS:	N 39° 41' 48.5" W 097° 10' 02.1"				
ELEVATION:	1441	39.696806	97.16725	S. 120° W + 1380' W	

(Include: Type, Hardness & Color)

0	20	Top Soil - Brown & Orange Clay 9' Shale & Sphite - October 11'
20	40	Shale Tan Red, white
40	60	Shale Red, white, Brown, Gray
60	80	Shale Red, white, Gray
80	100	Shale Gray
100	120	Shale Gray 8' Sandstone 17'
120	140	Sandstone
140	160	Medium Sandstone 10' Shale 10' to 17' White Sandstone 2'
160	180	MC Sandstone Shale Strip 7' Sandstone 14' Gray Shale 1' Limestone 1'
180	200	
200	220	
220	240	
240	260	
260	280	
280	300	
300	320	
320	340	
340		

Drill casing _____ of _____ OD _____
 Drill casing _____ of _____ OD _____
 _____ to _____ and from _____ to _____
 _____ to _____ and from _____ to _____

Hartman Dom

LOCATION OF WATER WELL
 County: WASHINGTON Fraction SW 1/4 SW 1/4 NW 1/4 Section Number 35 Township Number T 4 S Range Number R 2 E

Distance and direction from nearest town or city? 1 WEST
3 N PALMER Street address of well if located within city? 1435

WATER WELL OWNER: WALTER A. HARTMAN
 R#, St. Address, Box #: CLAY CENTER KANSAS 67432
 City, State, ZIP Code: CLAY CENTER KANSAS 67432 Board of Agriculture, Division of Water Resources
 Application Number:

DEPTH OF COMPLETED WELL: 120 ft. Bore Hole Diameter: 8 in. to _____ ft., and _____ in. to _____ ft.

Well Water to be used as:
 Domestic 3 Feedlot 6 Oil field water supply 9 Dewatering 12 Other (Specify below)
 Irrigation 4 Industrial 7 Lawn and garden only 10 Observation well 8 Air conditioning 11 Injection well

Well's static water level: 52 ft. below land surface measured on _____ month _____ day _____ year
 Pump Test Data: Well water was _____ ft. after _____ hours pumping _____ gpm
 Static Yield: 600 gpm: Well water was _____ ft. after _____ hours pumping _____ gpm

TYPE OF BLANK CASING USED:
 Steel 1 Steel 3 RMP (SR) 6 Asbestos-Cement 9 Other (specify below) Casing Joints: Glued Clamped _____
 PVC 4 ABS 7 Fiberglass _____ Welded _____
 Blank casing dia: 5 in. to _____ ft., Dia _____ in. to _____ ft., Dia _____ in. to _____ ft.
 Casing height above land surface: 12 in., weight _____ lbs./ft. Wall thickness or gauge No. 258

TYPE OF SCREEN OR PERFORATION MATERIAL:
 Steel 1 Steel 3 Stainless steel 5 Fiberglass 8 RMP (SR) 11 Other (specify) _____
 Brass 4 Galvanized steel 6 Concrete tile 9 ABS 12 None used (open hole)
 Screen or Perforation Openings Are:
 Continuous slot 3 Mill slot 6 Wire wrapped 9 Drilled holes
 Louvered shutter 4 Key punched 7 Torch cut 10 Other (specify) _____

Screen-Perforation Dia: 5 in. to _____ ft., Dia _____ in. to _____ ft., Dia _____ in. to _____ ft.
 Screen-Perforated Intervals: From 100 ft. to 120 ft., From _____ ft. to _____ ft., From _____ ft. to _____ ft.
 Travel Pack Intervals: From 10 ft. to 120 ft., From _____ ft. to _____ ft., From _____ ft. to _____ ft.

GROUT MATERIAL: Neat cement 2 Cement grout 3 Bentonite 4 Other _____
 Grouted Intervals: From 0 ft. to 10 ft., From _____ ft. to _____ ft., From _____ ft. to _____ ft.

What is the nearest source of possible contamination:
 Septic tank 4 Cess pool 7 Sewage lagoon 10 Fuel storage 14 Abandoned water well
 Sewer lines 5 Seepage pit 8 Feed yard 11 Fertilizer storage 15 Oil well/Gas well
 Lateral lines 6 Pit privy 9 Livestock pens 12 Insecticide storage 16 Other (specify below)

Direction from well: WEST How many feet: 100 ? Water Well Disinfected? Yes No _____
 Was a chemical/bacteriological sample submitted to Department? Yes _____ No If yes, date sample submitted _____ month _____ day _____ year: Pump Installed? Yes _____ No

Yes: Pump Manufacturer's name _____ Model No. _____ HP _____ Volts _____
 Depth of Pump Intake _____ ft. Pumps Capacity rated at _____ gal./min.
 Type of pump: Submersible Turbine Jet Centrifugal Reciprocating Other

CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on _____ month _____ day _____ year
 This record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 354
 This Water Well Record was completed on _____ month _____ day _____ year under the business name of DARYL Cox & Sons Inc by (signature) Daryl Cox

LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:		FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
		0	3	TOPSOIL			
		3	8	GRAY CLAY			
		8	18	YELLOW CLAY w/ SAND ROCK LAYERS			
		18	68	SAND ROCK			
		68	95	BLUE CLAY			
		95	120	SAND ROCK STOP			

ELEVATION: 1420'
 Depth(s) Groundwater Encountered 1. _____ ft. 2. _____ ft. 3. _____ ft. 4. _____ ft. (Use a second sheet if needed)

INSTRUCTIONS: Use typewriter or ball point pen, please press firmly and PRINT clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Division of Environment, Water Well Contractors, Topeka, KS 66620. Send one to WATER WELL OWNER and retain one for your records.

49,800

RECEIVED

Domestic Wells

APR 25 2017

Topeka Field Office
DIVISION OF WATER RESOURCES

1 Lowell Kohlmeier
3446 Vanesta Drive
Manhattan, KS 66503-0379
785-539-1055

2 Neil Schaefer
9720 Pinewood Drive
Denton, TX 76207

3 Dean Herrs
1117 8th Rd.
Linn, Ks 66953

4-14-17
(Date)

Kansas Department of Agriculture
Division of Water Resources
David W. Barfield, Chief Engineer
1320 Research Park Drive
Manhattan, Kansas 66502

Re: Application File No. 49800

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.

Dean Herrs
Signature of Applicant

State of Kansas)
County of Washington) ss

Dean Herrs
(Print Applicant's Name)

I hereby certify that the foregoing instrument was signed in my presence and sworn to before me this 14th day of April, 2017.

Sharon Holle
Notary Public

My Commission Expires:



WATER RESOURCES
RECEIVED
APR 17 2017
KS DEPT OF AGRICULTURE

**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

Sargent Drilling

Geneva, NE

TEST HOLE LOG

RECEIVED

49,800

APR 3 2017

Topeka Field Office
DIVISION OF WATER RESOURCES

CUSTOMER: <u>Dean Jones</u> <u>T147 17 007</u>	DATE: <u>2 2 17</u>
LOCATION: <u>Line K1</u>	SWL <u>Estimated 89'</u>
DRILLED BY: <u>S. J. J.</u>	PWL _____ GPM _____
GPS: N <u>39° 41' 03.0"</u> W <u>107° 10' 52.0"</u>	
ELEVATION: <u>1476</u> 39.684333 97.181111	Sec. 23 - 4S - 2E

(Include: Type, Hardness & Color)

5270 W 652' N

0	20	Top 5' Yellow Clay shale with Pyrite nodules
20	40	Shale Red White Blue Brown
40	60	Shale white brown blue
60	80	Shale Blue White Red Brown Gray
80	100	Sandstone w Blue shale layers
100	120	Sandstone
120	140	Sandstone 3' shale gray white Red Blue
140	160	Brown & Blue shale 9' Sandstone 11'
160	180	Sandstone 12'
180	200	Sandstone 16' Pyrite & Shale 4'
200	220	Shale gray Blue Blue 10'
220	240	
240	260	
260	280	
280	300	
300	320	
320	340	
340	360	
360	380	
380	400	

Well Depth: _____' Plain casing: _____' of _____" OD & _____" ID type _____

Bore Hole Dia: _____" Perf casing: _____' of _____" x _____" OD Slot Size _____

Gravel pack from _____' to _____' and from _____' to _____' desc _____ qty _____

Grouted/sealed from _____' to _____' and from _____' to _____' volume _____ type _____

from _____' to _____' and from _____' to _____' volume _____ type _____

File # 49,800

meets safe yield

Analysis Results

The selected PD is in an area to new appropriations.
The safe yield, based on the variables listed below is 1,085.53 AF.
Total prior appropriation in the circle is 1,219.00 AF. **- 768 = 451**
Total quantity of water available for appropriation is ~~0.00~~ **634.5** AF.

Safe Yield Variables

The area used for the analysis is set at 6203 acres.
Potential annual recharge of the area is estimated to be 2.8 inches.
The percent of recharge available for appropriation is 75%.

Authorized Quantity values are as of 18-APR-2017 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.

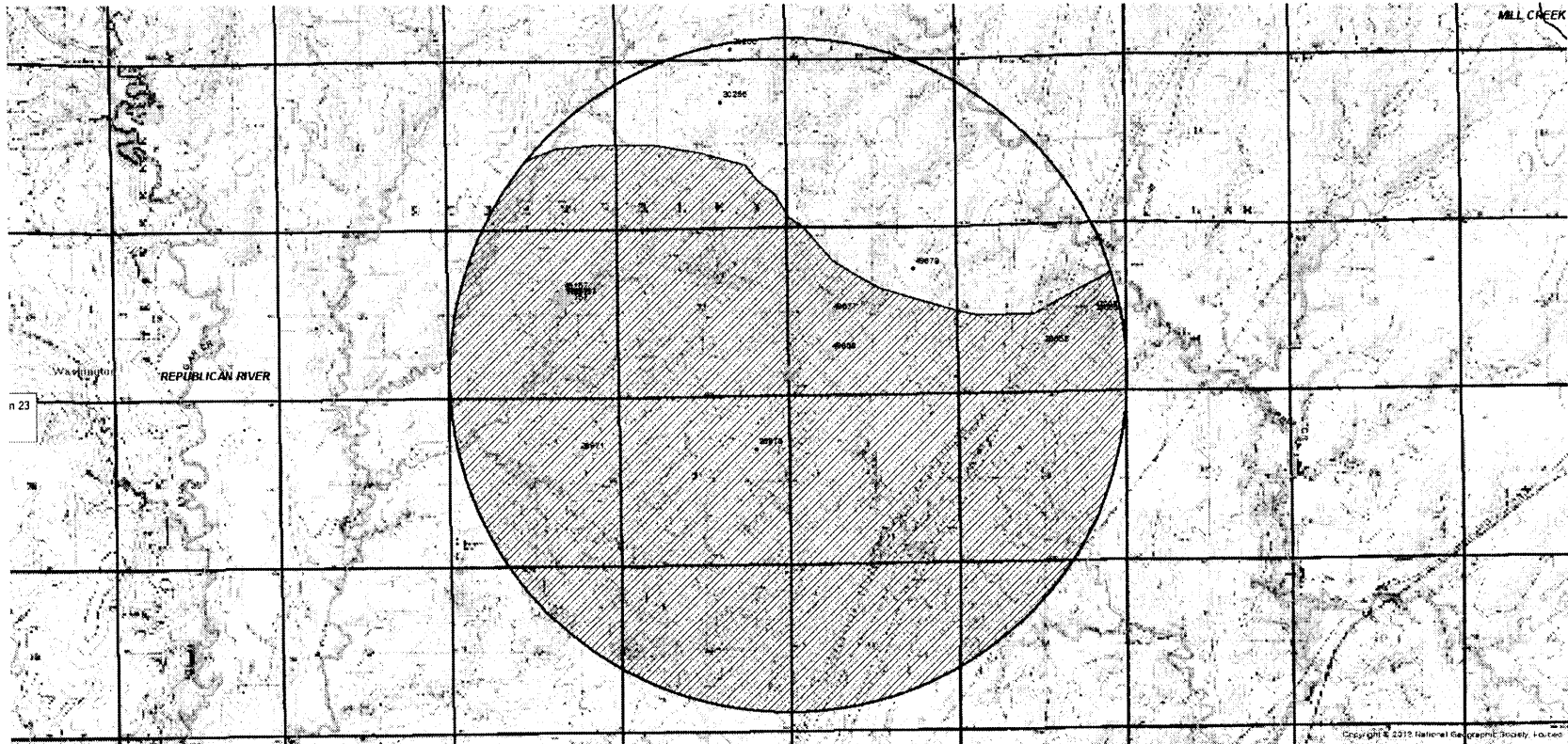
There are 5 water right(s) and 10 point(s) of diversion within the circle.

File Number	Use	ST	SR	Q4	Q3	Q2	Q1	FeetN	FeetW	Sec	Twp	Rng	ID	Qind	Auth_Quant	Add_Quant	Tacres	Nacres
A 26971	00 IRR	NK	G	NC	N2	S2	NE	3565	1270	28	04	02E	1	WR	123.00	123.00	92.00	92.00
A 28655	00 IRR	NK	G		SW	NW	SE	1420	2610	24	04	02E	1	PD	27.00	27.00	240.00	240.00
Same	IRR	NK	G		NW	NE	SE	2370	1010	24	04	02E	2	PD	81.00	81.00		
A 49157	00 IRR	KE	G		SE	SW	NE	2975	1695	21	04	02E	1	WR	220.00	220.00	193.00	193.00
Same	IRR	KE	G		NE	SW	NE	3351	1691	21	04	02E	2	WR				
Same	IRR	KE	G		SE	SW	NE	3163	1693	21	04	02E	3	WR				
Same	IRR	KE	G		SE	SW	NE	3163	1943	21	04	02E	4	WR				
Same	IRR	KE	G		SE	SW	NE	3163	1443	21	04	02E	5	WR				
A 49677	00 IRR	AY	G		NW	NE	SW	2569	3912	23	04	02E	1	WR	384.00	384.00	320.00	320.00
A 49800	00 IRR	AY	G				SW	1320	3960	23	04	02E	3	WR	384.00	384.00	320.00	0.00

to be dismissed

768 Pending

Safe Yield Report Sheet
Proposed Water Right Application
Point of Diversion in NWSWSW 23-04S-02E
FILE NO. 49,800 (5,200'W & 606'N)



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

652 ft N and 5270 ft W of the SE Corner of Section 23, T 4S, R 2E

Located at: 97.180805 West Longitude and 39.684331 North Latitude

GROUNDWATER ONLY

Unconfined
Dakota

meets
spacing

File Number	Use	ST	SR	Dist	(ft)	Q4	Q3	Q2	Q1	FeetN	FeetW	Sec	Twp	Rng	ID	Batt	Auth_Quan	Add_Quan	Unit
A__ 26971	00	IRR	NK	G	7003	NC	N2	S2	NE	3565	1270	28	4	2E	1		123.00	123.00	AF
A__ 28655	00	IRR	NK	G	8009	--	SW	NW	SE	1420	2610	24	4	2E	1		27.00	27.00	AF
Same					9727	--	NW	NE	SE	2370	1010	24	4	2E	2		81.00	81.00	AF
A__ 49157	00	IRR	KE	G	7453	--	SE	SW	NE	3163	1693	21	4	2E	3	G 4	220.00	220.00	AF
Same					7394	--	SE	SW	NE	2975	1695	21	4	2E	1	B 4			
Same					7517	--	NE	SW	NE	3351	1691	21	4	2E	2	B 4			
Same					7689	--	SE	SW	NE	3163	1943	21	4	2E	4	B 4			
Same					7218	--	SE	SW	NE	3163	1443	21	4	2E	5	B 4			
A__ 49677	00	IRR	AY	G	2349	--	NW	NE	SW	2569	3912	23	4	2E	1		384.00	384.00	AF
A__ 49679	00	IRR	AY	G	5152	--	--	NC	NE	3960	1320	23	4	2E	2		192.00	192.00	AF
A__ 49800	00	IRR	AY	G	1471	--	--	--	SW	1320	3960	23	4	2E	3		384.00	384.00	AF

- To be dismissed

Total Net Quantities Authorized:	Direct	Storage
Total Requested Amount (AF) =	960.00	.00
Total Permitted Amount (AF) =	220.00	.00
Total Inspected Amount (AF) =	.00	.00
Total Pro_Cert Amount (AF) =	.00	.00
Total Certified Amount (AF) =	231.00	.00
Total Vested Amount (AF) =	.00	.00
TOTAL AMOUNT (AF) =	1411.00	.00

An * after the source of supply indicates a pending application for change for the file number.
 An * after the ID indicates a 15 AF exemption was granted for the file number.
 A "G" in the Batt column indicates the GEO CTR of a battery. A "B" indicates a well in the battery.
 The number in the Batt column is the number of wells in the battery.

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

97.180805 West Longitude and 39.684331 North Latitude

GROUNDWATER ONLY

WATER USE CORRESPONDENTS:

File Number	Use	ST	SR
A__ 26971	00	IRR	NK G
>	LENNIS HELMS		
>			
>	781 INDIAN RD		
>	LINN KS 66953		
>	-----		
A__ 28655	00	IRR	NK G
>	HARVEY HERRS FAMILY TRUST		
>	C/O DEAN HERRS, TRUSTEE		
>	1117 8TH RD		
>	LINN KS 66953		
>	-----		
A__ 49157	00	IRR	KE G
>	LOWELL W & LINDA E HERRS		
>			

> 873 INDIAN RD
> LINN KS 66953

A__ 49677 00 IRR AY G

> DEAN HERRS
> BOX 329
> 1117 8TH RD
> LINN KS 66953

A__ 49679 00 IRR AY G

> BRETT HERRS
>
> 122 N PENNSYLVANIA ST
> PALMER KS 66962

A__ 49800 00 IRR AY G

> DEAN HERRS
> BOX 329
> 1117 8TH RD
> LINN KS 66953

=====

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



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

Jackie McClaskey, Secretary

Governor Sam Brownback

April 4, 2017

FILE COPY

DEAN HERRS
1117 8TH ROAD
LINN KS 66953

Re: Pending Application,
File No. 49,800

Dear Mr. Herrs:

After a preliminary review of your above referenced application for permit to appropriate water received in this office on March 17, 2017, it is being returned to you for additional information. In your original application, you requested a 60-day period of time in which to determine the precise location for your point of diversion within a specified quarter section tract of land described as the Southwest Quarter (SW $\frac{1}{4}$) of Section 23, in Township 4 South, Range 2 East, Washington County, Kansas. Due to our delay in returning the original application to you, the 60-day period of time will start as of the date of this letter.

Once you've determined the precise location for your point of diversion, complete the rest of Paragraph No. 5 of your application by providing the description for the 10-acre tract location of the point of diversion as well as the feet distances North and West of the Southeast corner of the Section. The location of the point of diversion must also be plotted on the topographical map included. In the case of a battery of wells, please provide the description of the location of the proposed geographic center of the well battery, as well as **the location for each of the individual wells comprising the battery of wells**.

The locations of all other water wells of every kind within one-half mile ($\frac{1}{2}$) of the point of diversion must be plotted on the topographical map as well. Each well should be identified as to its use (e.g. domestic, irrigation, industrial, etc.) and must **include the name and mailing address of the well owner**. A signed statement should be included on the map declaring that all wells within one-half mile ($\frac{1}{2}$) of the point of diversion have been plotted, or it should declare that none exist. Please provide this information once you have established your point of diversion.

Paragraph No. 13 of the application requests well information so the source of supply of the proposed well may be determined. Pursuant to K.A.R. 5-3-4d, this office requires a stratigraphic log of a well or test hole within 300 feet of the proposed point of diversion. Please supply the indicated information and a test hole log or a driller's log with the returned application. Also, the enclosed "Minimum Desirable Streamflow" form must be signed and notarized, and the enclosed "Irrigation Use Supplemental Sheet" form must be completed. These forms should be returned with your application as well.

(over)

SCANNED

Herrs
April 4, 2017
Page 2 of 2

In order to retain its priority of filing, the original application and attachments must be returned to this office with the requested information on or before **June 4, 2017**, or within any authorized extension of time thereof. According to law, default in refiling of the completed application and attachments within the time allowed shall constitute forfeiture of priority date and dismissal of the application.

If you have any questions, please contact me at (785) 564-6631 or by email at alex.whitesell@ks.gov. If you wish to discuss a specific file, please have the file number ready so that I may help you more efficiently.

Sincerely,



Alex Whitesell
Environmental Scientist
Water Appropriation Program

enclosures

pc: Topeka Field Office



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

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

March 17, 2017

DEAN HERRS
1117 8TH RD
LINN KS 66953

FILE COPY

RE: Application
File No. 49800

Dear Sir or Madam:

Your application for permit to appropriate water in 23-04S-02E in Washington 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, . . . 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 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) 564-6645. 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, P.G.
Change Application Unit Supervisor
Water Appropriation Program

BAT: dlw
pc: TOPEKA Field Office
GMD

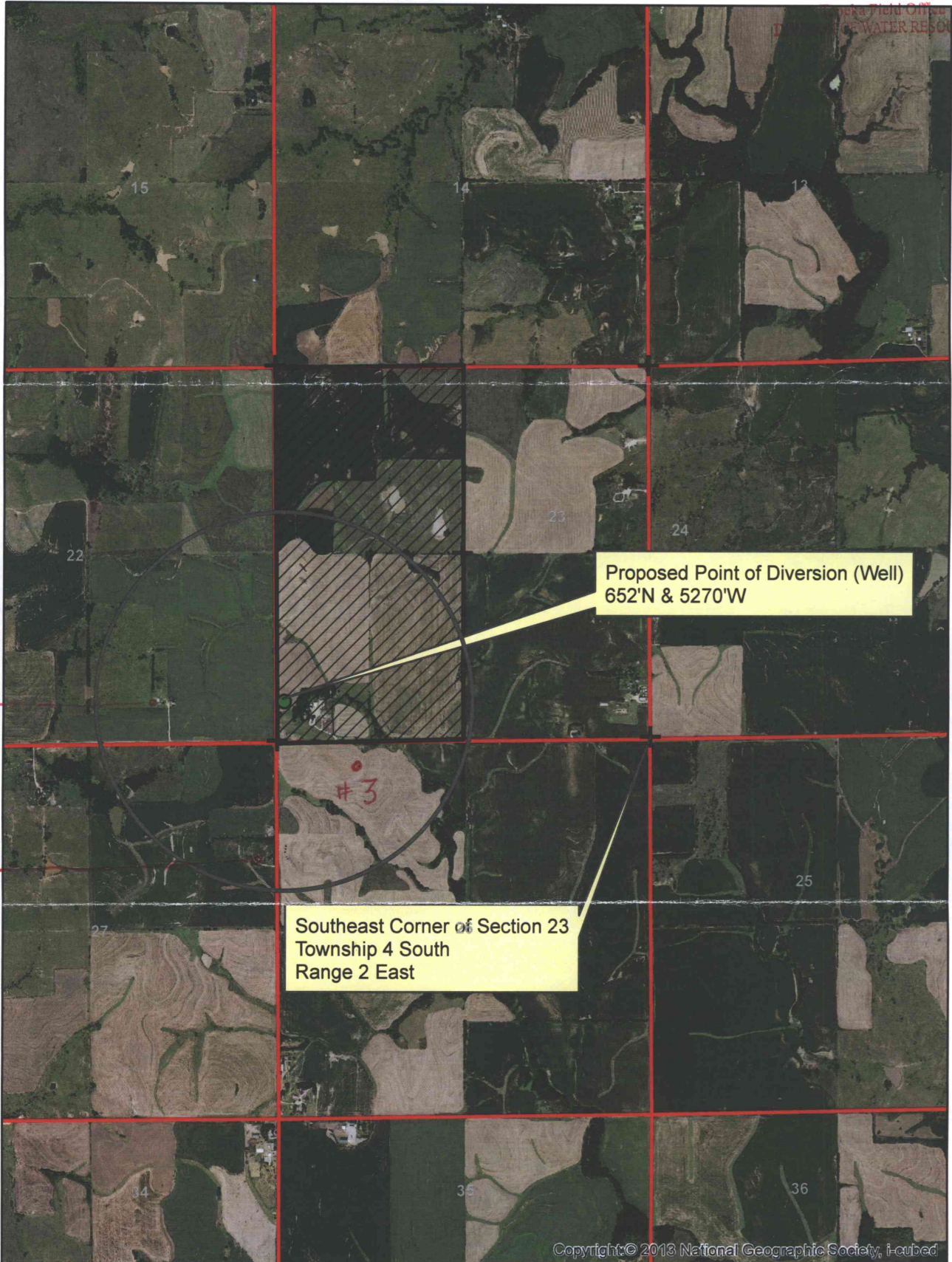
SCANNED

DEAN HERRS - FILE NO. 49,800
Section 23, Township 4 South, Range 2 East
Washington County

RECEIVED

APR 25 2017

Alaska Field Office
DEPARTMENT OF WATER RESOURCES



Domestic well # 1

Domestic well # 2

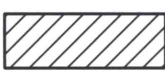
Southeast Corner of Section 23
Township 4 South
Range 2 East

Proposed Point of Diversion (Well)
652'N & 5270'W

Copyright © 2013 National Geographic Society, i-cubed



1:24,000



Proposed Place of Use



Proposed Point of Diversion

All known wells within one-half mile of the proposed point of diversion are shown on this map.

Dean Herrs