

CHECK SHEET Short Change

(To be completed and attached to each application)

File No. 24,881

Field Office No. 2

GMD No. 3

1. **Plugging agreement obtained for GMD?** Yes No Non Applicable
2. **Is Landowner correct as currently shown in WRIS?** Yes No **Address Change?** NO
If applicable, list Place of Use Overlap File Nos. none

3. **Is Water Use Correspondent correct as currently shown in WRIS?** Yes No **Address Change?** NO
Name of Former WUC -- _____ Name of New WUC -- _____

4. a. **Point of diversion computer ID No(s).** 3 **for point(s) being changed.**
- b. **Show feet distances from the** SE **corner of the section for the new point(s) of diversion:**

Action	PDIV ID	Geo Ctr?	Sec	Twp	Rng	'N	'W	County	Qualifiers
ENT		N/A	22	27S	25W	150	3,930	Ford	SW SE SW
DEL	10220	N/A							

- c. **If multiple points of diversion exist and rates and quantities are individually assigned, show:**
- | Old PDIV ID | Authorized Rate | Additional Rate | Authorized Quantity | Additional Quantity |
|-------------|-----------------|-----------------|---------------------|---------------------|
| _____ | _____ gpm/cfs | _____ gpm/cfs | _____ af/mgy | _____ af/mgy |
| _____ | _____ gpm/cfs | _____ gpm/cfs | _____ af/mgy | _____ af/mgy |
| _____ | _____ gpm/cfs | _____ gpm/cfs | _____ af/mgy | _____ af/mgy |
- d. **Name of Drainage Basin** Arkansas River **Is this correctly shown in WRIS?** Yes No
- e. **Formation Name & No.** Ogallala aquifer (210) **Special Use Area** none

5. **Distances from the previous/original p/d:** 110 ' N 0 ' E / W

6. WATER RIGHT ACTION TRAIL COMMENTS

6/29/17 Change Application Received (date accepted for priority)
7/5/17 Change Approved
 Notice and Proof by 12/31/17
 _____ / _____ / _____ Completion Requirement Removed (Change No. C _____)

7. METER ACTION TRAIL COMMENTS

7/5/17 DWR Meter Required by 12/31/17
 _____ / _____ / _____ Anti-Reverse Meter Required by _____ / _____ / _____
 _____ / _____ / _____ Meter Seal Required by _____ / _____ / _____

8. Base Acres -- _____ Year -- _____ Minimum Reasonable Quantity -- _____
 Date Created **7/5/17** by **CRC**
 Date Entered _____ by _____

CHECK SHEET ATTACHMENT

9. Changes to the place of use will be:

File Number 24,881

Action	Owner Person ID	Place Use ID #	Sec.	Twp.	Range		NE¼				NW¼				SW¼				SE¼				TOTAL ACRES
							NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
NO CHG	27227	28106	22	27S	25W	Acres Authorized																	
						New Acres																	
						Acres Authorized																	
						New Acres																	
						Acres Authorized																	
						New Acres																	
						Acres Authorized																	
						New Acres																	

Names and Address:

1. Person ID # <u>27227</u> <u>Gerhard J & Arlyce L Gerdes Trusts</u> <u>11217 Tilman RD</u> <u>Dodge City, KS 67801-6683</u>	2. Person ID # _____ _____ _____ _____	3. Person ID # _____ _____ _____ _____
--	---	---

GENERAL INSTRUCTIONS

- | | | |
|--|--|---|
| 1. Give to Applicant:
a. <u>Original</u> application/approval
b. Original receipt (one for <u>each</u> application)
c. Information packet containing:
<ul style="list-style-type: none"> • Notice and Proof form • Water Meter Specifications • Acceptable Meter list • Water level measurement tube specifications • Check Valve specifications • Pink Sheet - K.S.A. 82a-728 letter • Form stating to record in Register of Deeds Office (OPTIONAL AS NEEDED) | 2. Send to headquarters:
a. Good, scannable copy of application and/or approval and this check sheet
b. Original check and copy of receipt
c. Test hole log
d. GMD recommendation, if any
e. Map or aerial photograph, if any
3. Send to KDHE: Letter (KDHE.LT) advising of location of abandoned well. <input checked="" type="checkbox"/> | 4. Date stamp received and approved.
5. Complete ownership and WUC change information.

<u>ADDITIONAL PHOTOCOPIES</u>
HQ _____
Driller's Copy _____
GMD#3 _____

_____ |
|--|--|---|

CONDITIONS

1. Insert notice and proof date.
2. Type or print applicant's/owner's name on line.
3. Complete notary statement.

Submit completed application to:
 Kansas Department of Agriculture
 Division of Water Resources
 Field Office for your area.

Call for address:

Topeka -- (785) 296-5733
 Stafford -- (620) 234-5311
 Stockton -- (785) 425-6787
 Garden City -- (620) 276-2901
<http://agriculture.ks.gov/dwr>

DWR FIELD OFFICE APPLICATION FOR APPROVAL TO CHANGE THE PLACE OF USE AND/OR THE POINT OF DIVERSION



WATER METER REQUIRED

STATE OF KANSAS

Filing Fee Must Accompany the Application, K.S.A. 82a-708b(b), as amended.
 Fee Schedule is on the third page of this application form.

Paragraph Nos. 1, 2, 3 & 5 must be completed. Complete all other applicable portions. If change in point of diversion is greater than 100 feet, or if place of use will be changed, include a topographic map or detailed plat showing the authorized and proposed point(s) of diversion and/or place of use.

File No. 24881

RECEIVED
 1:30 pm
 JUN 29 2017

1. Application is hereby made for approval of the Chief Engineer to change the (check one or both):

Place of Use Point of Diversion

Garden City Field Office
 Division of Water Resources

under the water right which is the subject of this application in accordance with the conditions described below.

The source of supply is: Groundwater Surface water

2. Name and address of Applicant: ARLYCE L GERDES

11217 TILMAN RD DODGE CITY KS 67801-6683

Phone Number: () Email address: _____

Name and address of Water Use Correspondent: Aaron Gerdes

11225 Upland Rd, Dodge City KS 67801

Phone Number: (620)338-6151 Email address: _____

3. The presently authorized place of use is:

Owner of Land ---- NAME: Gerhard J & Arlyce L Gerdes Trusts

ADDRESS: 11217 Tilman Rd, Dodge City KS 67801

(If there is more than one landowner, attach supplemental sheets as necessary.)

Sec.	Twp.	Range	NE¼				NW¼				SW¼				SE¼				TOTAL ACRES
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
No	Change																		

4. If this application is for a change in place of use, it is proposed that the place of use be changed to:

Owner of Land ---- NAME: _____

ADDRESS: _____

(If there is more than one landowner, attach supplemental sheets as necessary.)

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

For Office Use Only: Code _____ Fee \$ 100 TR # _____ Receipt Date 6/29/17 Check # 18513

5. **Presently authorized point of diversion:**
 One in the SW Quarter of the SE Quarter of the SW Quarter of Section 22, Township 27 South, Range 25 W, in Ford County, Kansas, 40 feet North 3930 feet West of Southeast corner of section.
 Authorized Rate 555 gpm Authorized Quantity 199 AF Depth of well 200 (feet)
(DWR use only: Computer ID No. 3 GPS N/A feet North N/A feet West)
 This point will not be changed This point will be changed as follows:
Proposed point of diversion: (Complete only if change is requested)
 One in the sw Quarter of the se Quarter of the sw Quarter of Section 22, Township 27 South, Range 25 W, in Ford County, Kansas, 140/150* feet North 3930 feet West of Southeast corner of section.
 Proposed Rate no change Proposed Quantity no change Proposed well depth (feet) 210**
 This point is: Additional Well Geo Center List other water rights that will use this point none

** per 7/5/17 email from Aaron Gerdes -> Ext/DWR 7/5/17
 ** per ~~email~~ phone call with Trevor Nash, well driller*

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

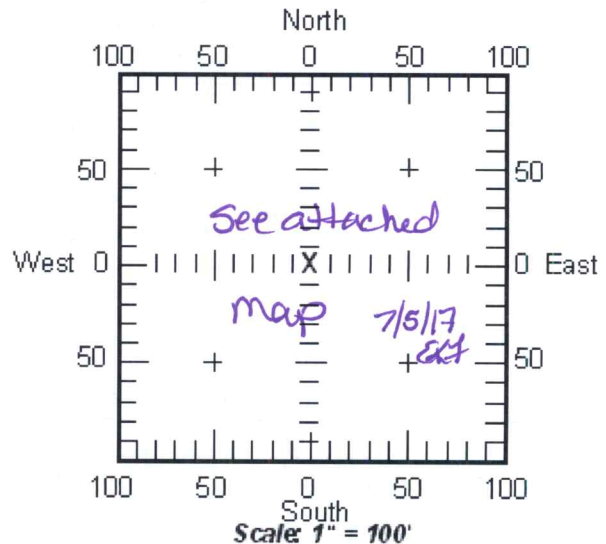
7. Why do you need a new point of diversion? _____
old well collapsed

13a. If the proposed point of diversion will be relocated within 100 feet of the existing point of diversion, indicate its location on the diagram below in relation to the existing point of diversion. (PLEASE NOTE: The "X" in center of diagram below represents presently authorized point of diversion.)

8. If a well, is the test hole log attached? Yes No
CRC 7/5/17

9. When do you propose to complete the new point of diversion?
ASAP

10. If the point of diversion is a well:
 (a) What are you going to do with the old well?
plug
 (b) When will this be done? 2017



11. Groundwater Management District recommendation attached? Yes No

12. Assisted by EKF/SFFO

13b. If the proposed point of diversion will be relocated more than 100 feet but within 2640 feet from the existing point of diversion, attach a topographic map or aerial photograph. For groundwater sources, show all wells (including domestic) within one-half mile of the proposed point of diversion and the names and mailing addresses of the owners. For surface water sources, show the names and addresses of the landowner(s) one-half mile downstream and one-half mile upstream from your property lines.

14. If the proposed groundwater point of diversion is 300 or fewer feet from existing point of diversion, complete the following:

- (a) Does the undersigned represent all owners of the currently authorized place(s) of use identified in this application?
 Yes No (If no, all owners must sign this application.)
- (b) Will the ownership interest of any owner of the currently authorized place(s) of use identified in this application be adversely affected if this application is approved as requested?
 Yes No (If yes, all owners must sign this application.)
- (c) If this application is not approved expeditiously, will there be substantial damage to property, public health or safety?
 Yes No (If no, all owners must sign this application.)

If the application proposes a surface water change in point of diversion, a groundwater change in point of diversion greater than 300 feet, or a change in place of use, the application must be signed by all owners of the currently authorized place of use, or their duly authorized agent (attach notarized statement authorizing representation).

I hereby verify, being first duly sworn upon my oath or affirmation and under penalty of perjury, that I am of lawful age and the owner, the spouse of the owner, or a duly authorized agent of the owner(s) to make this application on their behalf, in regard to the water right(s) to which this application pertains. I further verify that the statements contained in this application are true, correct and complete.

Dated at Garden City, Kansas, this 29th day of June, 2017.

X Autry K. Needer
(Owner)

(Spouse)

(Please Print)

(Please Print)

(Owner)

(Spouse)

(Please Print)

(Please Print)

(Owner)

(Spouse)

(Please Print)

(Please Print)

State of Kansas }
County of Finney } SS

I hereby certify that the foregoing application was signed in my presence and sworn to before me this 29th day of June, 2017.



My Commission Expires _____

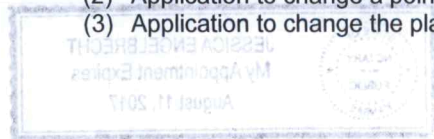
Julie Jones
Notary Public

ONLY COMPLETE APPLICATIONS WILL BE PROCESSED. To be complete, all of the applicable portions of the application form must be completed with accurate information; maps, if necessary, must be included; signatures of all the appropriate owners' must be affixed to the application and notarized; and the appropriate fee must be paid.

FEE SCHEDULE

Each application to change the place of use or the point of diversion under this section shall be accompanied by the application fee set forth in the schedule below: Make checks payable to: **Kansas Department of Agriculture**

- (1) Application to change a point of diversion 300 feet or less \$100 ✓
- (2) Application to change a point of diversion more than 300 feet \$200
- (3) Application to change the place of use \$200



SUMMARY ORDER APPROVING APPLICATION FOR CHANGE AND IMPOSING CONDITIONS

This Summary Order is issued under authority of K.S.A. 82a-708b, as amended, and K.A.R. 5-14-3 and other applicable provisions of the *Kansas Water Appropriation Law, K.S.A. 82a-701 et. seq.*, and rules and regulations promulgated thereunder, K.A.R. 5-1-1 *et. seq.* With the exception of those conditions expressly contained herein, this Summary Order does not change the terms, conditions and limitations of File No. 24881.

1. A change application was received on June 29, 2017 requesting that the place of use and / or point of diversion authorized under the above-referenced file number be changed as described in the application.
2. On and after the effective date of this summary order, the authorized place(s) of use shall be located substantially as shown on the topographic map accompanying the application to change the place of use. Applicable Not Applicable
3. The change in point of diversion shall not impair existing rights and shall be limited to the same source or sources of water as previously authorized. The point of diversion authorized by this summary order shall be located within a 50 foot radius of the authorized point(s) of diversion. Applicable Not Applicable
4. The point(s) of diversion authorized herein shall not actually be located more than 1160 feet from the previously authorized point(s) of diversion. Applicable Not Applicable
5. As required by K.A.R. 5-3-5d, if the works for diversion is a well with a diversion rate of 100 gallons per minute or more, a tube or other device suitable for making water level measurements shall be installed, operated and maintained in accordance with K.A.R. 5-6-13. Applicable Not Applicable
6. **The owner of the authorized place(s) of use shall properly install an acceptable water flow meter on or before December 31, 2017**, or before the first use of water, whichever occurs first. The water flow meter shall be installed, operated and maintained in accordance with K.A.R. 5-1-4 through 5-1-12. As required by K.S.A. 82a-732, as amended, and K.A.R. 5-3-5e, the owner shall maintain records and report the reading of the water flow meter and the total quantity of water diverted annually to the Chief Engineer by March 1 following the end of each calendar year. Applicable Not Applicable
7. **Installation of the works for diversion of water shall be completed on or before December 31, 2017**, or within any authorized extension of time. By March 1, 2018 the applicant shall notify the Chief Engineer that construction of the works for diversion has been completed, on the form provided by the Chief Engineer, as required by K.A.R. 5-8-4e. Applicable Not Applicable
8. **The completed well log shall be submitted with the required notice.** Applicable Not Applicable
9. All diversion works into which any type of chemical or other foreign substance will be injected into the water shall be equipped with an in-line, automatic, quick-closing check valve capable of preventing pollution of the source of the water supply. The check valve(s) shall be installed, operated and maintained in accordance with K.A.R. 5-3-5c. Applicable Not Applicable
10. Additional Conditions are attached. Yes No
11. In accordance with K.S.A. 82a-708a, as amended, and K.A.R. 5-5-14, all of the owners of the authorized place(s) of use of water appropriated under the above-referenced file number are responsible for compliance with its terms, conditions and limitations, as amended and/or supplemented by this Summary Order, and with applicable provisions of the *Kansas Water Appropriation Law* and the *Rules and Regulations* promulgated thereunder. Failure to comply with these provisions may result in civil penalties pursuant to K.S.A. 82a-737, as amended, and/or the suspension or revocation and dismissal of the water or appropriation right or any other enforcement actions authorized by law.

Administrative Appeal and Effective Date of Order

You have the right to a hearing in accordance with K.A.R. 5-14-3 before this Summary Order becomes final action of the Kansas Department of Agriculture. Any request for a hearing must be filed with the **Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, 1320 Research Park Drive, Topeka, Kansas 66502**, within 15 days after the date shown on the Certificate of Service attached hereto. If a hearing is not requested in accordance with K.A.R. 5-14-3, this Summary Order will become effective on the 15th day after the date shown on the Certificate of Service.

For Use by Register of Deeds

FOR OFFICE USE ONLY
APPLICATION APPROVED AND SUMMARY ORDER ISSUED

By: Cameron R. Conant
Duly Authorized Designee of the Chief Engineer
(Print Name): Cameron R. Conant
Division of Water Resources - Kansas Department of Agriculture

Date of Issuance: 7/5/17

State of Kansas)
County of Stafford) SS

Acknowledged before me on 7/5/17
by Cameron Conant

Signature: Jessica Engelbrecht

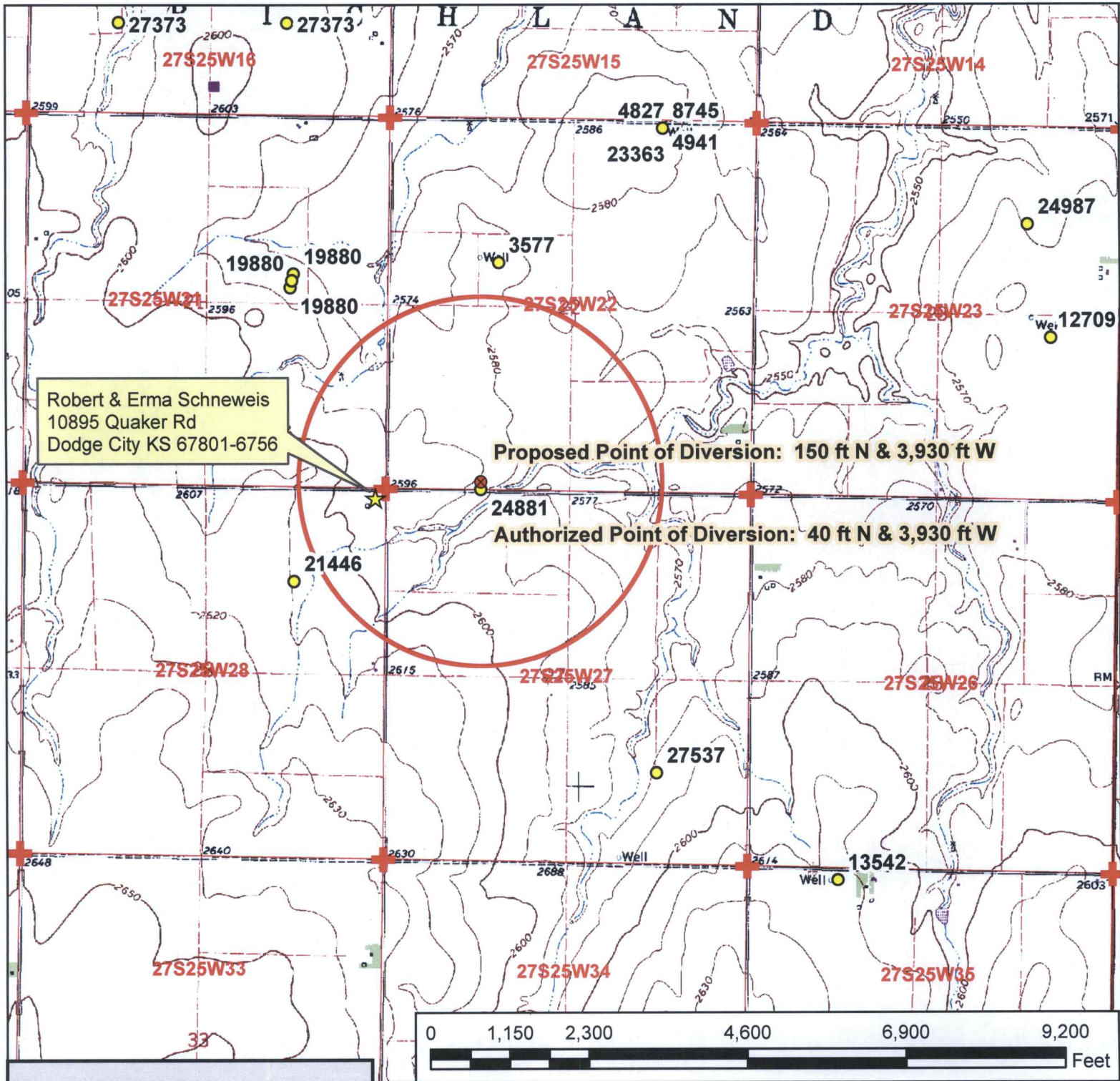


My commission expires: _____
(Notary Seal)

**ADDITIONAL CONDITION TO
SUMMARY ORDER APPROVING APPLICATION FOR CHANGE
AND IMPOSING CONDITIONS**

The effective date of the change shall be the date this order is executed by the Chief Engineer, after which the following condition is included as a condition of the approval of this application for change in point of diversion.

That the well authorized by the application for change in point of diversion shall be screened no deeper than 209' below land surface, which is considered to be the bottom of the Ogallala aquifer at this location. Any casing placed below 209' below land surface shall not be screened and the annular space outside of the casing below 209' below land surface shall be grouted according to rules and regulations promulgated by the Kansas Department of Health and Environment Article 30 so as to not allow production of water from underlying Cretaceous Aquifers.



- Legend**
- Water Appropriations
 - ⊗ Proposed Point of Diversion
 - ★ Domestic Well
 - ⊕ Section Corner
 - Half Mile Circle
 - Section Line

Water Right, File No. 24881
 Change in Point of Diversion Application Map
 22-27S-25W // Ford County

To the best of my knowledge, all of the domestic wells within 1/2 mile of the proposed point of diversion have been shown.

See email from Aaron Gerdes *EXT 7/5/17*
 Signature _____ 7/5/17 EKE-SFEO 1:24,000 scale





Stafford Field Office
300 S. Main Street
Stafford, Kansas 67578-1521

Jackie McClaskey, Secretary
David W. Barfield, Chief Engineer
Jeff Lanterman, Water Commissioner

Phone: (620) 234-5311
Fax: (620) 234-6900
www.agriculture.ks.gov
Sam Brownback, Governor

July 5, 2017

ARLYCE L GERDES
11217 TILMAN RD
DODGE CITY KS 67801-6683

Re: Water Right, File No(s). 24881

Dear Water Right Owner:

Enclosed is the order executed by the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, approving the application for change under the above referenced file number(s).

Your attention is directed to the enclosures and to the terms, conditions and limitations specified in this approval for change. An acceptable water flow meter must be installed on your well before any water is applied as authorized under this change approval. A copy of the approved list of Certified Water Flowmeters as well as the regulations regarding the installation of flowmeters, measurement tubes and check valves can be found at <http://agriculture.ks.gov/divisions-programs/dwr/water-appropriation/water-flowmeters>. If you do not have access to the internet, please contact this office and we will send you a paper copy of the referenced information.

Since this order modifies the original document referred to above, it should be recorded with the Register of Deeds as other instruments affecting real estate.

This order requires that a notice and completion of works form be submitted once the diversion works are completed, including a properly installed flowmeter. This form is available at the referenced website.

Any abandoned well must be plugged in accordance with the requirements of Article 30 of the Rules and Regulations as adopted by the Kansas Department of Health and Environment.

Should you have any questions, please feel free to contact this office. If you wish to refer to a specific file, please reference it when you contact us.

Sincerely,

A handwritten signature in black ink, appearing to read "Jeff Lanterman".

Jeff Lanterman
Water Commissioner

Enclosures

pc: Water Rights Section
Ground Water Management District 3

CERTIFICATE OF SERVICE

On this **5 July 2017**, I hereby certify that the attached Change in Point of Diversion, File No. 24881 dated July 5, 2017 was mailed to the following:

ARLYCE L GERDES
11217 TILMAN RD
DODGE CITY KS 67801-6683

pc: Water Rights Section
GMD #3



Staff

Fitch, Elizabeth

From: Gerdes Farms <agerdesfarms@gmail.com>
Sent: Wednesday, July 5, 2017 12:10 PM
To: Fitch, Elizabeth
Subject: Re: map for well

Elizabeth, there are no other wells in the red circle and the proposed new location is correct. Thanks Aaron Gerdes

Sent from my iPhone

On Jul 5, 2017, at 12:03 PM, Fitch, Elizabeth <Elizabeth.Fitch@ks.gov> wrote:

Aaron,

See attached. Please verify that there are not any other wells in the red circle.

Also, the change is being modified so that the proposed well is moving 110 feet north of the existing well, which is a proposed location of 150 ft North and 3,930 feet west of the Southeast corner of section 22-27-25W, Ford County. Please confirm this is correct.

Elizabeth K Fitch, Environmental Scientist
Kansas Department of Agriculture
Division of Water Resources
Stafford Field Office
(620) 234-5311

My e-mail address has changed: elizabeth.fitch@ks.gov
agriculture.ks.gov

<24881map.pdf>

Fitch, Elizabeth

From: Becki Nash <beckih@hotmail.com>
Sent: Wednesday, July 5, 2017 12:55 PM
To: Fitch, Elizabeth
Subject: Re: Gerdes Well Re-Drill, Ford County
Attachments: CCF_000020.pdf

Hello! Here is the test hole log for the 2nd Test hole. Please let me know if I can help with anything else.

Becki Nash
Nash Water Well Service, LLC
620-277-5779

From: Fitch, Elizabeth <Elizabeth.Fitch@ks.gov>
Sent: Wednesday, July 5, 2017 12:03 PM
To: beckih@hotmail.com
Subject: Gerdes Well Re-Drill, Ford County

Becki,

I have been in contact with Trevor about a well re-drill for Aaron Gerdes. Just in case he wrote my email down wrong for the test well log, here is one to get us started. Thanks.

Elizabeth K Fitch, Environmental Scientist
Kansas Department of Agriculture
Division of Water Resources
Stafford Field Office
(620) 234-5311
My e-mail address has changed: elizabeth.fitch@ks.gov
agriculture.ks.gov

WATER WELL RECORD Form WWC-5

Original Record Correction Change in Well Use

Division of Water Resources App. No.

Well ID

Test Hole #2

1 LOCATION OF WATER WELL: County: Ford Fraction SW 1/4 SW 1/4 SE 1/4 SW 1/4 Section Number 22 Township Number T 27 S Range Number R 25 E W

2 WELL OWNER: Last Name: Gerdes First: Aaron Street or Rural Address where well is located (if unknown, distance and direction from nearest town or intersection):

3 LOCATE WELL WITH "X" IN SECTION BOX: N W E S 1 mile. 4 DEPTH OF COMPLETED WELL: Depth(s) Groundwater Encountered: 1) 2) 3) 4) Dry Well. 5 Latitude: 37.678689 Longitude: 100.046977

7 WELL WATER TO BE USED AS: 1. Domestic: Household, Lawn & Garden, Livestock, Irrigation, Feedlot, Industrial. 2. Public Water Supply, Dewatering, Aquifer Recharge, Monitoring, Environmental Remediation, Air Sparge, Soil Vapor Extraction, Recovery, Injection. 10. Oil Field Water Supply, lease. 11. Test Hole: well ID Test Hole #2. 12. Geothermal: how many bores? a) Closed Loop Horizontal Vertical b) Open Loop Surface Discharge Inj. of Water. 13. Other (specify):

Was a chemical/bacteriological sample submitted to KDHE? Yes No If yes, date sample was submitted: Water well disinfected? Yes No

8 TYPE OF CASING USED: Steel PVC Other CASING JOINTS: Glued Clamped Welded Threaded Casing diameter in. to ft. Diameter in. to ft. Diameter in. to ft. Casing height above land surface in. Weight lbs./ft. Wall thickness or gauge No. TYPE OF SCREEN OR PERFORATION MATERIAL: Steel Stainless Steel Fiberglass PVC Other (Specify) Brass Galvanized Steel Concrete tile None used (open hole) SCREEN OR PERFORATION OPENINGS ARE: Continuous Slot Mill Slot Gauze Wrapped Torch Cut Drilled Holes Other (Specify) Louvered Shutter Key Punched Wire Wrapped Saw Cut None (Open Hole) SCREEN-PERFORATED INTERVALS: From ft. to ft. From ft. to ft. From ft. to ft. GRAVEL PACK INTERVALS: From ft. to ft. From ft. to ft. From ft. to ft. From ft. to ft.

9 GROUT MATERIAL: Neat cement Cement grout Bentonite Other GROUT INTERVALS: From ft. to ft. From ft. to ft. From ft. to ft. From ft. to ft. Nearest source of possible contamination: Septic Tank Lateral Lines Pit Privy Livestock Pens Insecticide Storage Sewer Lines Cess Pool Sewage Lagoon Fuel Storage Abandoned Water Well Watertight Sewer Lines Seepage Pit Feedyard Fertilizer Storage Oil Well/Gas Well Other (Specify) Direction from well? Distance from well? ft.

Table with 6 columns: 10 FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Includes a Notes section.

11 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was constructed, reconstructed, or plugged under my jurisdiction and was completed on (mo-day-year) 07/04/2017 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 846 This Water Well Record was completed on (mo-day-year) under the business name of Nash Water Well Service, LLC

Form	WWC5
Contractor	Nash Water Well Service, LLC
Well Owner	Aaron Gerdes
Doc ID	1359294

Litholgy

From	To	Lithologic Log
0	15	TOP SOIL, TAN / BROWN CLAY
15	20	FINE COARSE SAND WITH SMALL MEDIUM GRAVEL & BROWN CLAY
20	77	BROWN TAN CLAY WITH FINE SAND STREAKS
77	82	FINE SAND
82	90	FINE MEDIUM SAND
90	110	FINE COARSE SAND WITH STREAKS OF SMALL GRAVEL AND STREAKS OF CEMENTED SAND
110	115	ROCK LAYER, FINE COARSE SAND WITH STREAKS OF SMALL GRAVEL
115	130	FINE COARSE SAND, SMALL LARGE GRAVEL
130	150	TAN CLAY, CALICHE FINE MEDIUM STREAKS
150	155	FINE COARSE SAND
155	160	FINE COARSE SAND, SMALL GRAVEL STREAKS
160	176	FINE COARSE SAND
176	180	FINE COARSE SAND WITH SMALL-MEDIUM GRAVEL STREAKS

Form	WWC5
Contractor	Nash Water Well Service, LLC
Well Owner	Aaron Gerdes
Doc ID	1359294

Litholgy

From	To	Lithologic Log
180	198	FINE COARSE SAND SMALL MEDIUM GRAVEL DRILLED LOOSE
198	201	CLAY
201	207	FINE COARSE SAND WITH SMALL MEDIUM GRAVEL
207	209	TAN CLAY
209	220	BLUE SHALE

original well
stopped @ shale @ 204' TD