### Kansas Department of Agriculture Division of Water Resources

#### CHANGE: P/D WORKSHEET

1. File Number: <b>21760</b>	2. Status Change Date: ユース6~19	3. Change Num:	4. Field Office: <b>04</b>	5. GMD:
6. Status: Approved Deni	ed by DWR/GMD	Dismiss by Reques	t/Failure to Return	7. Filing Date of Change: <b>2/12/19</b>
8a. Landowner,WUC, applicant New to system □	Person ID 6372 Add Seq# 1	8c. New to sy	stem	Person ID Add Seq# 1
GRAHAM FARMS INC 2150 ROAD 220 DEERFIELD KS 67838-9	513			
			4.22	
8b. Landowner(s)  New to system □	Person IDAdd Seq#	8d. WUC New to sy	stem 🗌	Person IDAdd Seq#
9. Documents and Enclosure(s): ☑ DV ☐ Anti-Reverse Meter ☐ Meter ☐ Conservation Plan Date Require	Seal		☑ Water Tube  ☑ Dri	Comply: 12/31/20  Iller Copy
10. Use Made of Water From:		To: _		
			Date Prepared: <b>2/26/19</b> Date Entered:	<b>Э</b> Ву: <b>МАМ</b> Ву:

File No. <b>21760</b>	11. County: I	KE	Basi	in: AR	KANS	SAS R	IVER			St	ream:	1 2 pr					* 187		rmation Code: 1/331	Special Use:
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Limitation:	af/yr at	t	150			gpm (_				cfs) wh	nen co	mbine	d with	file n	umber	(s)				
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16. Place of Use CHK		1-3-	NE	1/4			NV	V1/4			SV	V1/4			S	6E1/4		Total	Owner Chg	? Overlap Files
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Base Acres: Year: Comments:	Mi	inimum	Reaso	nable	Quar	itity:														

Garden City Field Office 2508 Johns Street Garden City, KS 67846-2804



Phone: 620-276-2901 Fax: 620-276-9315 www.agriculture.ks.gov

Mike Beam, Interim Secretary

Laura Kelly, Governor

February 26, 2019

GRAHAM FARMS INC 2150 ROAD 220 DEERFIELD KS 67838-9513

RE:

Water Right, File No. 21760

Dear Sir:

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

Your attention is directed to the enclosures and to the terms, conditions, and limitations specified in this approval for change. A condition of this approval is that acceptable water flowmeter must be installed on the diversion works authorized under the referenced file number and meet current specifications. Please return the required notification of completion of the diversion works and installation of the required meter as soon as these actions are completed.

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.

Should you have any questions, please feel free to call this office. If you would prefer, you could arrange an appointment for additional assistance.

Sincerely,

Michael A. Meyer Water Commissioner

MAM:

enclosures

pc:

GROUNDWATER MANAGEMENT DISTRICT NO. 3

#### **CERTIFICATE OF SERVICE**

On this 26th day of February, 2019, I hereby certify that the foregoing Approval of Application for Change in Point of Diversion, Water Right, File No. 21,760, dated 26<sup>th</sup> day of February, 2019 was mailed postage prepaid, first class, US mail to the following:

GRAHAM FARMS INC 2150 ROAD 220 DEERFIELD KS 67838-9513

With photocopies to:

GROUNDWATER MANAGEMENT DISTRICT NO. 3

Division of Water Resources Staff

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



#### 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. RECEIVED 3:30 PM File No. 21760 FEB 1 2 2019 1. Application is hereby made for approval of the Chief Engineer to change the (check one or both): Garden City Field Office ☐ Place of Use Division of Water Resources Point of Diversion 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 Name and address of Applicant: ROY GRAHAM 2150 ROAD 220 DEEFIELD KS 67838 Phone Number: ( Email address: Name and address of Water Use Correspondent: NO CHANGE Phone Number: ( Email address: The presently authorized place of use is: Owner of Land ---- NAME: NO CHANGE ADDRESS: (If there is more than one landowner, attach supplemental sheets as necessary.) SW1/4 TOTAL **ACRES** NW1/4 SW1/4 SE1/4 Sec. Twp. Range NE1/4 NW1/4 SW1/4 SE1/4 NE1/4 NE1/4 NW1/4 SW1/4 SE1/4 NE1/4 NW1/4 SW1/4 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: NO CHANGE ADDRESS: (If there is more than one landowner, attach supplemental sheets as necessary.) SW1/4 SE1/4 TOTAL ACRES Sec. Twp. Range NE1/4 NW1/4 SW1/4 NE1/4 NW1/4 SW1/4 SE1/4 NE1/4 NW1/4 SW1/4 SE1/4 SE1/4 NE1/4 NW1/4 SW1/4 For Office Use Only: Code Fee \$ \$00,00 TR # Receipt Date 2-19 Check #

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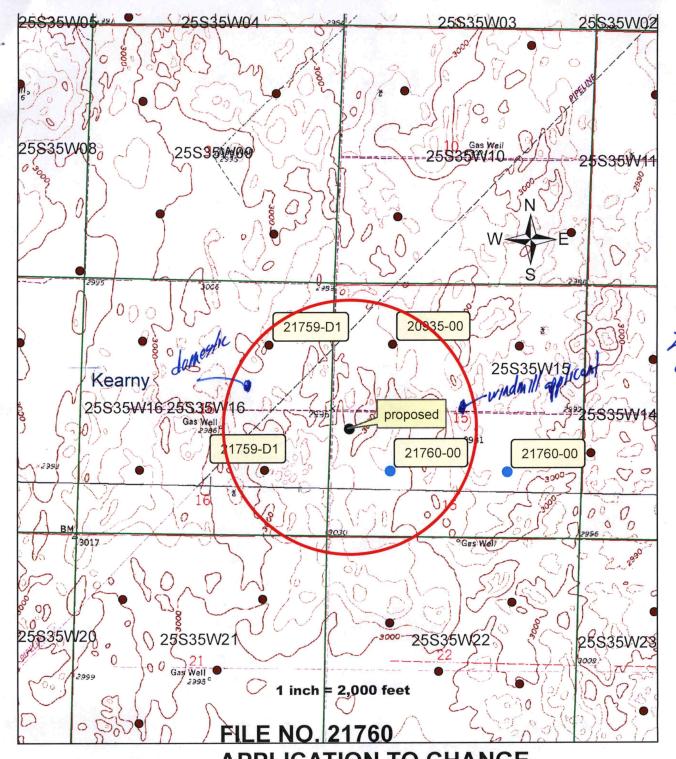
14. If the proposed groundwater point of diversion is 30	00 or fewer feet from the existing point of diversion, complete the following:
	the currently authorized place(s) of use identified in this application? nust sign this application.)
affected if this application is approved as requi	ne currently authorized place(s) of use identified in this application be adversel ested? must sign this application.)
	y, will there be substantial damage to property, public health or safety? nust sign this application.)
	oint of diversion, a groundwater change in point of diversion greater than 300 fe gned by all owners of the currently authorized place of use, or their duly authoriz tation).
age and the owner, the spouse of the owner, o their behalf, in regards to the water right(s) to contained in this application are true, correct a	y oath or affirmation and under penalty of perjury, that I am of lawfor a duly authorized agent of the owner(s) to make this application of which this application pertains. I further verify that the statement and complete.
Dated di	, ransas, tris
le Home The house It	a. France
Roy Graham Graham 1-	(Spouse)
Roy Graham Graham 1-	ams Irc
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(Owner)	(Spouse)
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State of Kansas  County of SS	10.000 M2.20 C
I hereby certify that the foregoing application of	was signed in my presence and sworn to before me this da
My Commission Expires  My Commission Expires  December 15, 2022	Notary Public
	To be complete, all of the applicable portions of the application form must be completed with gnatures of all the appropriate owners' must be affixed to the application and notarized; are
forth in the schedule below: Make checks payable to: I  (1) Application to change a point of diversion 3  (2) Application to change a point of diversion n	FEE SCHEDULE  t of diversion under this section shall be accompanied by the application fee set  Kansas Department of Agriculture  500 feet or less
JULIE JONES  Wy Appointment Expires  December 15, 2022	
DWR 1-121 (Revised 04/5/2018)	Page 3 File No

#### 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. 5-5-1, et seq. and other applicable provisions of the Kansas Water Appropriation Law, K.S.A. 82a-701 et. seq., and rules and regulations promulgated thereunder, With the exception of 2017 00 conditions expressly contained herein, this Summary Order does not change the terms, conditions and limitations of File No. 21760 12, 20/9 requesting that the place of use and / or point of A change application was received on \_ diversion authorized under the above-referenced file number be changed as described in the application. 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 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 radius of the authorized point(s) of diversion. Applicable The point(s) of diversion described herein is administratively corrected to be more accurately described using the Global Positioning System (GPS), as described in the application. Applicable \sum Not Applicable The point(s) of diversion authorized herein shall not actually be located more than \_ feet from the previously authorized point(s) of diversion. ☐ Applicable ★ Not Applicable 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 Applicable The owner of the authorized place(s) of use shall properly install an acceptable water flow meter on or before December 31, 20\_\_\_\_\_\_\_\_\_, 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 Applicable ☐ Not Applicable Installation of the works for diversion of water shall be completed on or before December 31, 20/9 authorized extension of time. By March 1, 20 20 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 The completed well log shall be submitted with the required notice. ☐ Not Applicable 10. 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 11. Additional Conditions are attached. ☐ Yes 12. 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. FOR OFFICE USE ONLY Administrative Appeal and Effective Date of Order APPLICATION APPROVED AND If you are aggrieved by this order, pursuant to K.S.A. 82a-1901, SUMMARY ORDER ISSUED you may request an evidentiary hearing before the Chief Engineer or request administrative review by the Secretary of Agriculture. A request for hearing by the Chief Engineer must be filed within 15 days of service of this Order and a request for Duly Authorized Designee of the Chief Engineer administrative review by the Secretary must be filed within 30 days pursuant to K.S.A. 77-531. Any request for administrative (Print Name): Division of Water Resources - Kansas Department of Agriculture review must state a basis for review pursuant to K.S.A. 77-527. File any request with Kansas Department of Agriculture, Date of Issuance: Legal Division, 1320 Research Park Drive, Manhattan, KS 66502. Failure to timely request a hearing or review may State of Kansas preclude review under the Kansas Judicial Review Act. SS For Use by Register of Deeds County of ( Acknowledged before me Signature: Notary Public JULIE JONES My commission expires (Ny Appointment Expires

December 15, 2022

File No.



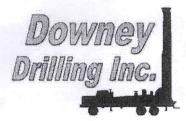
APPLICATION TO CHANGE THE POINT OF DIVERSION

APPLICANT SIGNATURE
No other wells within one half mile

R 35W

WELL LOG

DATE: 1/17/2019





CUSTOMER NAME: GRAHAM FARMS

LEGAL: NW/SW 15-25S-35W

75W14 Hole in

COUNTY: KEARNY

37.878333 GPS: 37 52'

101.156667 09' 24" W -101

			DRILLE	18-892				
rw	FROM	то	TYPE	HARDNESS	COLOR	SPEED	PULL DOWN	OTHER / DRILLING ACTION
	0	30	TOP SOIL AND FINE SAND	SOFT	TAN	FAST		SMOOTH
	30	60	FINE GRAVEL	SOFT	TAN	FAST		CHATTER
			CLAY LAYER AT 53-58 (TAN)	SLOW	TAN	FAST	THE LEWIS CO.	-
	60	100	FINE SAND WITH A TRACE OF SILTY CLAY	SOFT	TAN	FAST		CHATTER
	100	120	SILTY CLAY WITH LAYERS OF BLUE CLAY	SOFT	TAN / BLUE	FAST		SMOOTH
	,120	145	FINE-MEDIUM-COARSE SAND, MEDIUM-COARSE GRAVEL, AND STICKY CLAY LAYERS	SOFT	RED	FAST		CHATTER
•	145	155	SILTY CLAY	SOFT	TAN	FAST		sмоотн
	155	205	FINE-MEDIUM-COARSE SAND AND FINE GRAVEL	SOFT	RED	FAST		CHATTER
	205	215	SANDY CLAY WITH COARSE GRAVEL	SOFT	TAN	FAST		SLIGHT CHATTER
	215	242 .	FINE-MEDIUM-COARSE SAND	SOFT	RED	FAST		CHATTER
	242	280	SANDY CLAY WITH FINE-MEDIUM-COARSE GRAVEL	SOFT	RED	FAST		SLIGHT CHATTER
	inc.		FINE-MEDIUM-COARSE SAND AT 262-267	SOFT	RED	FAST		
	280	300	FINE SAND WITH SANDY CLAY	SOFT	RED	FAST		VIBRATE
	300	410	FINE SAND, FINE-MEDIUM-COARSE SAND, FINE-MEDIUM GRAVEL	SOFT	RED	FAST		VIBRATE / CHATTER
			SANDY CLAY @ 408-410	SOFT	TAN	FAST		
	410	420	WEATHERED SHALE	SOFT	YELLOW /	SLOW		SMOOTH
	420	450	LIGHT SHALE WITH A TRACE OF SILTY CLAY	SOFT	LT GRAY / GRAY	SLOW	1,	sмоотн
	450	472	FINE - MED SAND	SOFT	TAN	FAST		SOME CHATTER
	472	510	LIGHT SHALE WITH A TRACE OF SILTY CLAY	DENSER	GRAY/TAN	SLOWER		SMOOTHER
	510	570	FINE SAND AND BROWN ROCK	SOFT	RED	FAST		CHATTER
	570	580	SILTY CLAY AND FINE SAND	SOFT	TAN	FAST		SMOOTH
	580	615	FINE SAND, AND TRACES OF BROWN ROCK AND SANDSTONE	SOFT	TAN	FAST		SOME CHATTER
	615	621	SILTY CLAY AND FINE SAND	SOFT	TAN	FAST		<u></u> SMOOTH
	621	645	FINE SAND, AND TRACES OF BROWN ROCK AND SANDSTONE	SOFT	TAN	FAST		SOME CHATTER
	645	646	CEMENTED (LIMESTONE?)	HARD	DARK TAN	SLOW	х	CHOPPY
	645	680	LIGHT SHALE WITH SILTY CLAY	HARD	GRAY/TAN	SLOW		СНОРРУ
			CEMENTED @ 672-673 AND 675-676	HARD		SLOW	X	СНОРРУ
			13 SACKS OF QUIK GEL					
			1 SACK OF SODA ASH					
			3 LOADS OF WATER					
			STARTED TAKING WATER FROM 510				757	CEIVED
								- IVLU
							EEB	0 4 2010
								ald Office



#### Southwest Kansas Groundwater Management District No. 3 2009 E. Spruce Street

Garden City, Kansas 67846

(620) 275-7147 phone (620) 275-1431 fax www.gmd3.org

February 26, 2019

Michael A. Meyer Division of Water Resources 2508 N Johns Street Garden City, Kansas 67846

RE:

Application for Change in Point of Diversion

Water Right, File Nos. 21760

Dear Mike:

We have completed a review of the application for the above referenced water right. The proposed change in point of diversion is in accordance with current area rules, K.A.R. 5-23-3, as it pertains to distance moved and minimum spacing to neighboring wells.

Well evaluations were conducted to estimate possible effects of the proposal on the supply of other wells with water rights prior to the proposal per K.S.A. 82a-708b, and the draft revised management program. Under K.S.A. 82a-708b, an applicant requesting a change in point of diversion must demonstrate to the chief engineer that any proposed change is reasonable and will not impair. The enclosed report is an analysis performed by the GMD on behalf of the applicant. Under this analysis, the proposed change is considered to be reasonable and unlikely to impair if either the net in-season well-to-well effect of the proposed change is less than a strict maximum allowable threshold (4 ft in cases where saturated thickness is greater than 200 ft), or if no well with a net well-to-well effect exceeding the threshold is identified as critical. Critical wells are identified as wells that are expected to either lose or greatly diminish water supply over the next 25 years. The attached review information is based on a Theis analysis using inputs from the GMD3 aquifer model, which is considered to be the best information on well and aquifer data readily and easily available to the public. If either the applicant or the neighbors believe they have better data that might change the result of the analysis, they should contact GMD3. Conclusions of the well analysis may change if better information on well and aquifer data can be made available.

Every neighboring well within 1 mile of the proposed move was evaluated. Evaluations showed that in no case did the net effect on neighboring wells exceed the 4.0 ft maximum allowable threshold. Therefore, GMD3 sees this move as reasonable and unlikely to impair neighboring wells. It is therefore recommended that the applications be approved.

Thank you for the opportunity to review the applications and to provide a recommendation. If you have any questions, please don't hesitate to contact us.

Sincerely,

Jason L. Norquest Assistant Manager

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Garden City Field Office
Division of Water Resources

#### **GMD3** Change Review

DWR office: GC. File No(s).: 21760. App filed to change: PD. Is Landowner(s) correct in WRIS: Graham Farms Inc. If NO, is documentation included? Is Water Use Correspondent correct in WRIS? Yes. If NO, is documentation included? Regulation(s) Reviewed: KAR 5-23-3 Point of diversion ID No(s) 03 being changed. ft. North ft. West **Authorized PD** 1320 3960 Sect. 15-25-35 4829 Proposed PD 2170 Difference -869 w -850 n a2 + b2 = c2722500 755161 1215.591 foot move NW **GPS** for proposed PD: Lat: 37.878333 Long: -101.156667. Is proposed PD stacking on existing WRs? No. Is Proposed PU overlapping existing WRs? No Change. Land Owner(s) notified: . Name . Name Address . Address Zip Zip Neighboring certified well(s) notified: Name . Name Address . Address Zip Zip Domestic well(s) notified: Name Name Address Address Zip Zip Base Acres: \_\_\_. Perfected Acres: . Irr. Return-Flow \_\_\_\_%

Saturated thickness in the area was greater than 200' so first criteria for de minimus effect was 4' or lower. All wells in the are showed significantly less effect and did not need further analysis.

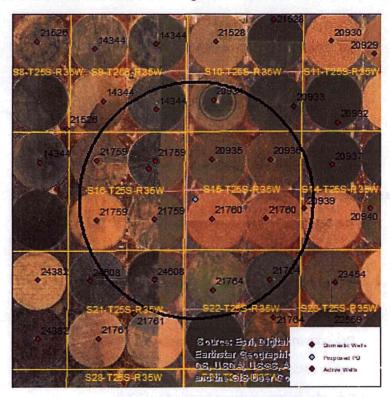
Is a waiver needed: <u>Proposed move is less than half mile and minimum spacing to neighboring wells is met</u>.

Final Recommendation: After review of all available information, it appears all current area rules are met. Well analysis shows the proposed move would have de minimus effect on neighboring wells. Staff therefore recommends approval of the application.

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#### Evaluation of proposed move for Water Right No 21760 ID3

Proposed: Move the well authorized under water right no. 21760 ID3 1126 ft to the northwest.



Wells within 1 mile: 21760 ID5, 20935, 20936, 21764 D1 ID6, 21764 D1 ID1, 24608, 21759 D2 ID2, 21759 D1 ID1, 21759 D1 ID4, 21759 D1 ID5, 14344 D3 ID6, 20934, and a domestic well in section 16-25-35.

The saturated thickness at the proposed well location is estimated to be 330 ft, based upon observation well data from section 26-25-35. For saturated thicknesses greater than 200 ft, the maximum allowable Theis drawdown to neighboring critical wells is 4.0 ft.

50 year Theis Analysis: The following values were used to run the analysis:

S = 0.1072, T = 21,945 ft<sup>2</sup>/day, tp<sub>current</sub> = 212 days (based upon observed rate and reported quantity),  $Q_{current} = 251$  gpm (based upon observation during 2014 field visit), tp<sub>proposed</sub> = 70 days,  $Q_{proposed} = 875$  gpm. Wells were given the following X-Y coordinates:

21760 ID3 (Current PD): X = -102,365 ft, Y = 364,684 ft

Proposed PD:

X = -103,123 ft, Y = 365,544 ft

20935:

X = -102,380 ft, Y = 367,315 ft

20936:

X = -99,724 ft, Y = 367,328 ft

21764 D1 ID6:

X = -102,328 ft, Y = 361,534 ft

21764 D1 ID1:

X = -99,789 ft, Y = 361,990 ft

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Garden City Field Office Division of Water Resources 24608: X = -104,985 ft, Y = 361,990 ft

21759 D2 ID2: X = -107,589 ft, Y = 367,289 ft

21759 D1 ID1: X = -104,946 ft, Y = 367,263 ft

21759 D1 ID4: X = -104,985 ft, Y = 364,659 ft

21759 D1 ID5: X = -107,602 ft, Y = 364,607 ft

14344 D3 ID6: X = -104,893 ft, Y = 369,568 ft

20934: X = -102,315 ft, Y = 366,951 ft

Domestic 16-25-35: X = -105,258 ft, Y = 366,951 ft

Theis drawdowns were calculated as follows:

21760 ID5: Drawdown from current location = 0.91 ft

Drawdown from proposed location = 1.27 ft

Net drawdown = 0.4 ft

20935: Drawdown from current location = 0.89 ft

Drawdown from proposed location = 1.87 ft

Net drawdown = 1.0 ft

20936: Drawdown from current location = 0.77 ft

Drawdown from proposed location = 1.12 ft

Net drawdown = 0.4 ft

21764 D1 ID6: Drawdown from current location = 0.82 ft

Drawdown from proposed location = 1.08 ft

Net drawdown = 0.3 ft

21764 D1 ID1: Drawdown from current location = 0.77 ft

Drawdown from proposed location = 1.57 ft

Net drawdown = 0.2 ft

24608: Drawdown from current location = 0.76 ft

Drawdown from proposed location = 1.09 ft

Net drawdown = 0.3 ft

21759 D2 ID2:

Drawdown from current location = 0.62 ft

Drawdown from proposed location = 0.97 ft

Net drawdown = 0.3 ft

21759 D1 ID1:

Drawdown from current location = 0.77 ft

Drawdown from proposed location = 1.57 ft

Net drawdown = 0.8 ft

21759 D1 ID4:

Drawdown from current location = 0.89 ft

Drawdown from proposed location = 1.79 ft

Net drawdown = 0.9 ft

21759 D1 ID5:

Drawdown from current location = 0.66 ft

Drawdown from proposed location = 1.00 ft

Net drawdown = 0.3 ft

14344 D3 ID6:

Drawdown from current location = 0.64 ft

Drawdown from proposed location = 1.03 ft

Net drawdown = 0.4 ft

20934:

Drawdown from current location = 0.65 ft

Drawdown from proposed location = 1.01 ft

Net drawdown = 0.4 ft

Domestic 16-25-35:

Drawdown from current location = 0.77 ft

Drawdown from proposed location = 1.55 ft

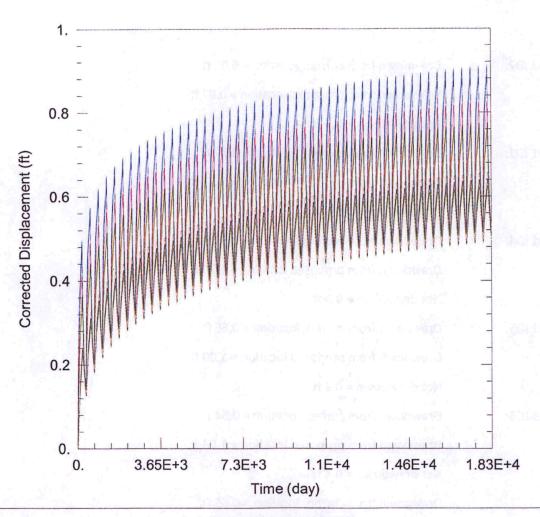
Net drawdown = 0.8 ft

Net drawdown does not exceed 4.0 ft on any neighboring well, so critical well evaluation is not necessary.

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Garden City Field Office Division of Water Resources



#### WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2019\_moves\21760\21760 Current.aqt

Date: 02/19/19 Time: 16:49:39

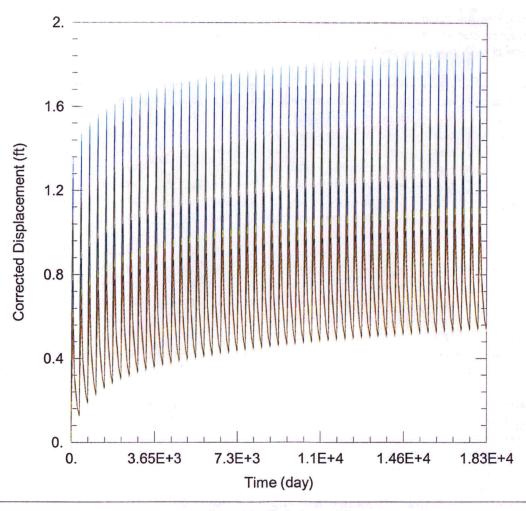
#### PROJECT INFORMATION

Company: GMD 3
Client: Roy Graham
Project: 21760 ID3
Location: Kearny County
Test Well: 21760 ID3

#### **WELL DATA**

i diliping vvelis									
Well Name	X (ft)	Y (ft)							
21760 ID3	-102365	364684							

Observation Wells								
Well Name	X (ft)	Y (ft)						
0	-102365	364684						
- 21760 ID 5	-99930	364710						
<b>- 20935</b>	-102380	367315						
o 20936	-99724	367328						
□ 21764 D1 ID6	-102328	361534						
□ 21764 D1 ID 1	-99789	361990						
<b>24608</b>	-104985	361990						
- 21759 D2 ID2	-107589	367289						
□ 21759 D1 ID1	-104946	367263						
□ 21759 D1 ID4	-104985	364659						
□ 21759 D1 ID5	-107602	364607						
□ 14344 D3 ID6	-104893	369568						



#### WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2019\_moves\21760\21760 Proposed.aqt

Date: 02/19/19 Time: 16:49:28

#### PROJECT INFORMATION

Company: GMD 3
Client: Roy Graham
Project: 21760 ID3
Location: Kearny County
Test Well: 21760 ID3

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Division of Water Resources

#### **WELL DATA**

 Pumping Wells

 Well Name
 X (ft)
 Y (ft)

 21760 ID3
 -103123
 365544

**Observation Wells** 

Observation veils									
Well Name	X (ft)	Y (ft)							
	-103123	365544							
□ 21760 ID 5	-99930	364710							
<b>20935</b>	-102380	367315							
- 20936	-99724	367328							
□ 21764 D1 ID6	-102328	361534							
□ 21764 D1 ID 1	-99789	361990							
<b>24608</b>	-104985	361990							
□ 21759 D2 ID2	-107589	367289							
□ 21759 D1 ID1	-104946	367263							
□ 21759 D1 ID4	-104985	364659							
□ 21759 D1 ID5	-107602	364607							
□ 14344 D3 ID6	-104893	369568							

Water Rights and Points of Diversion Within 1.00 miles of point defined as:

2170 ft N and 4829 ft W of the SE Corner of Section 15, T 25S, R 35W

Located at: 101.156668 West Longitude and 37.878334 North Latitude

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File	Number		Use	ST	SR	Dist	(ft)	Q4	Q3 (	Q2	Q1	FeetN	FeetW	Sec	Twp	Rng	ID B	att	Auth_Quan	Add_Quan	Unit
A	14344	D3	IRR	NK	G		4401	4	NW :	SE	SE	1024	1320	9	25	35W	6		256.00	256.00	AF
A	20934	00	IRR	NK	G		4529		1	NC	SW	1320	3960	10	25	35W	2		272.00	272.00	AF
A	20935	00	IRR	NK	G		1980		1	NC	NW	3960	3960	15	25	35W	1		272.00	272.00	AF
A	20936	00	IRR	NK	G		3941		1	NC	NE	3960	1320	15	25	35W	2		272.00	272.00	AF
A	20939	00	IRR	NK	G		5029		SW I	NW	SW	1823	5080	14	25	35W	12		272.00	272.00	AF
A	21759	D1	IRR	NK	G		2424	4-	1	NC	NE	3930	1320	16	25	35W	1		272.00	272.00	AF
Same							1965	,	1	NC	SE	1320	1350	16	25	35W	4		272.00	272.00	AF
Same							4460	4-	]	NC	SW	1265	3960	16	25	35W	5		272.00	272.00	AF
A	21759	D2	IRR	NK	G		4688		1	NC	NW	3930	3960	16	25	35W	2		272.00	272.00	AF
A	21760	00	IRR	NK	G*	4	1221		1	NC	SW	1320	3960	15	25	35W	3		272.00	272.00	AF
Same						747	3409	4-	SE I	NW	SE	1350	1520	15	25	35W	6		272.00	272.00	AF
A	21764	D1	IRR	NK	G		4949	1-	]	NC	NE	3960	1320	22	25	35W	1		272.00	272.00	AF
Same							4057		NE .	SW	NW	3500	4065	22	25	35W	6		272.00	272.00	AF
A	24608	00	IRR	NK	G		3970		1	NC	NE	3960	1320	21	25	35W	3		272.00	272.00	AF

Total	Net Quant	ities A	uthor	ized:	Direct	Storage	
Total	Requested	Amount	(AF)	=	.00	.00	٠,
Total	Permitted	Amount	(AF)	=	.00	.00	
Total	Inspected	Amount	(AF)	=	.00	.00	
Total	Pro_Cert	Amount	(AF)	=	.00	.00	
Total	Certified	Amount	(AF)	-	3792.00	.00	
Total	Vested	Amount	(AF)	-	.00	.00	
TOTAL	AMOUNT		(AF)	=	3792.00	.00	

Minimum Spacing is MET

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 1.00 miles of point defined as:

101.156668 West Longitude and 37.878334 North Latitude

GROUNDWATER ONLY

WATER USE CORRESPONDENTS:

File Number Use ST SR

A\_\_ 14344 D3 IRR NK G

> CALVIN R & DEBRA J KOEHN

> 9228 N 2420 RD

> THOMAS OK 73669

A 20934 00 IRR NK G

WHEATLAND ELECTRIC COOPERATIVE INC

>-----

> PERRY SMITH

> PO BOX 953

> GARDEN CITY KS 67846

A 20935 00 IRR NK G		17 1	
> GRAHAM FARMS INC			
>			
> 2150 ROAD 220			
> DEERFIELD KS 67838			
>			
A_ 20936 00 IRR NK G			
> GRAHAM FARMS INC			
> 2150 POND 200			
> 2150 ROAD 220 > DEERFIELD KS 67838			
>			
A 20939 00 IRR NK G			
> GRAHAM FARMS INC			
> 2150 ROAD 220			
> DEERFIELD KS 67838			
>			
A 21759 D1 IRR NK G			
> GRAHAM FARMS INC			
사람들의 교실 등 이번 이 그런데 첫 개설이			
> 2150 ROAD 220			
> DEERFIELD KS 67838			
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A 21759 D2 IRR NK G			
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> 2150 ROAD 220	깨끗다고 하는 아니다 얼마 얼마 하는 것.		
> DEERFIELD KS 67838			
>			
A 21760 00 IRR NK G			
> GRAHAM FARMS INC			
>			
> 2150 ROAD 220			
> DEERFIELD KS 67838			
>			
A 21764 D1 IRR NK G			
> WHEATLAND ELECTRIC COOPERATIVE INC			
> PERRY SMITH			
> PO BOX 953			
> GARDEN CITY KS 67846			
>			
A 24608 00 IRR NK G			
> GRAHAM FARMS INC			
>			
> 2150 ROAD 220			
> DEERFIELD KS 67838			
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INPUTS	96 Jan 2 11 11 11 12 12 13 13
Target Section Definition	全 <b>第</b> 第二次基础上的基
Section	15
Township	25
Range	35
Range Direction	W
Target Point Coordinates (NA	D27 or NAD83)
Target Longitude	-101.156667
Target Latitude	37.878333

#### **Load Data and Compute**

#### Instructions

- 1. Enter values for section, township, range and range direction.
- 2. Enter NAD27 or NAD83 longitude and latitude of target point.
- 3. Click "Load Data and Compute" button.
- 4. Use feet distances corresponding to datum of target point.

From LEOBASE using NAD83				
Corner	Corner Latitudes	Corner Longitudes		
SW	37.87228990	-101.15849851		
NW	37.88667911	-101.15846733		
NE	37.88690844	-101.14024809		
SE	37.87239635	-101.14038522		
Degrees Longitude per Foot		3.46449909E-06		
Degrees Latitude per Foot		2.74614846E-06		

## Corner Feet North(+)/South(-) Feet East(-)/West(+) Target point is In Section

SE	2162	4700
NE	-3123	-520 4739 4700
NW	-3039	-520
SW	2201	-529

#### **Loaded Section Data** From LEOBASE using NAD27 **Corner Longitudes** Corner Corner Latitudes SW -101.15805100 37.87226900 NW 37.88665800

-101.15802000 NE 37.88688700 -101.13980100 SE 37.87237500 -101.13993800 Degrees Longitude per Foot 3.46449810E-06 Degrees Latitude per Foot 2.74598553E-06

**Target Point Distances from Corners using NAD27** Corner Feet North(+)/South(-) Feet East(-)/West(+) Target point is In Section

SW	2208	-399
NW	-3032	-391
NE	-3115	4868
SE	2170	4829

Difference (NAD83 Minus NAD27)				
Corner	Corner Latitudes	Corner Longitudes		
SW	0.00002090	-0.00044751		
NW	0.00002111	-0.00044733		
NE	0.00002144	-0.00044709		
SE	0.00002135	-0.00044722		
	Difference (NAD83 Mi	nus NAD27)		
Corner	Feet North(+)/South(-)			
SW	-7.74168448			
NW	-7.50725101	-129.11812068		

Garden City Field Office 2508 Johns Street Garden City, KS 67846-2804



Phone: 620-276-2901 Fax: 620-276-9315 www.agriculture.ks.gov

Mike Beam, Interim Secretary

Laura Kelly, Governor

February 15, 2019

SOUTHWEST KANSAS GROUNDWATER MANAGEMENT DISTRICT NO. 3 409 CAMPUS DRIVE, SUITE 106 GARDEN CITY KS 67846

Re:

Water Right File No. 21760

Dear Mr. Norquest:

This is to advise you that Roy Graham has filed an application for approval of the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, to change the point of diversion for the above referenced file.

We are delaying action on the change application to allow you time to review and provide a recommendation. Please submit a recommendation within 15 days from the date of this letter.

Thank you and as always feel free to contact this office at any time.

Sincerely,

Michael A. Meyer Water Commissioner

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MAM Enclosures