

File No. **2955** 11. County: **ME** Basin: **CROOKED CREEK** Stream: Formation Code: **211** Special Use:

12. Points of Diversion
 CHK
 MOD
 DEL PDIV
 ENT
 Qualifier S T R ID 'N 'W Comment (AKA Line) Rate gpm Quantity af Additional Rate gpm Quantity af Overlap PD Files

DEL 46690
ENT NE SE NE 15 33S 30W 3514 1319 1097 302 1097 302 7661; 12343

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

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

15. 5YR Allocation: Allocation Type _____ Start Year _____ 5 YR Amount _____ Amount Unit _____ Base Acres _____ Comment _____

16. Place of Use CHK MOD DEL ENT	PUSE	S	T	R	ID	NE¼				NW¼				SW¼				SE¼				Total	Owner	Chg?	Overlap Files
						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				
CHK 2237																									
CHK 16841																									
CHK 56493																									

Base Acres: Year: Minimum Reasonable Quantity:
 Comments:

Garden City Field Office
4532 W. Jones, Suite B
Garden City, KS 67846



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

Mike Beam, Secretary

Laura Kelly, Governor

November 12, 2019

TERRENCE & MIKE HAMM
303 N KANSAS APT 401
LIBERAL, KS 67901

RE: Water Right, File Nos. 2955, 7661 & 12343

Dear Sir or Madam:

Enclosed are the orders executed by the designee of the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, approving the applications for change under the above referenced file numbers.

Your attention is directed to the enclosures and to the terms, conditions, and limitations specified in this approval for change. A condition of these approvals is that an acceptable water flow meter must be installed on the diversion works authorized under the referenced file numbers 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 the orders modify the original documents 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 contact this office. If you would prefer, you could arrange an appointment for additional assistance.

Sincerely,

A handwritten signature in blue ink, appearing to read "Austin J. McColloch".

Austin J. McColloch
Assistant Water Commissioner

AM:
enclosures

pc:
Layne Angell
GROUNDWATER MANAGEMENT DISTRICT NO. 3

CERTIFICATE OF SERVICE


On this 12th day of November, 2019, I hereby certify that the foregoing Approval of Applications for Change in Point of Diversion, Water Right, File Nos. 2,955; 7,661 & 12,343 dated 12th day of November, 2019 was mailed postage prepaid, first class, US mail to the following:

TERRENCE & MIKE HAMM
303 N KANSAS APT 401
LIBERAL, KS 67901

Pc:

LAYNE ANGELL
P O BOX 249
PLAINS, KS 67869

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.

File No. 2955

RECEIVED
9:05 Am
OCT 07 2019
 Garden City Field Office
 DIVISION OF WATER RESOURCES

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

Place of Use 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

2. Name and address of Applicant: terry & mike hamm

303 N KANSAS APT 401, LIBERAL, KS, 67901

Phone Number: () Email address: _____

Name and address of Water Use Correspondent: LAYNE ANGELL

P O BOX 249, PLAINS, KS 67869

Phone Number: () Email address: _____

3. The presently authorized place of use is:

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	

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 \$ 200.00 TR # _____ Receipt Date _____ Check # 524948445

5. **Presently authorized point of diversion:**
 One in the NW Quarter of the NE Quarter of the NE Quarter of Section 15 Township 33 South, Range 30 (W), in ME County, Kansas, 5200 feet North 1300 feet West of Southeast corner of section.
 Authorized Rate Authorized Quantity Depth of well (feet)
(DWR use only: Computer ID No. 1 GPS 4928 feet North 969 feet West)
 This point will not be changed This point will be changed as follows: No change, point better described with GPS as follows:
Proposed point of diversion: (Complete only if change is requested or if existing point is better described by GPS)
 One in the NE Quarter of the SE Quarter of the NE Quarter of Section 15 Township 33 South, Range 30 (W), in ME County, Kansas, 3514 feet North 1319 feet West of Southeast corner of section.
 Proposed Rate Proposed Quantity Proposed well depth (feet) 583
 This point is: Additional Well Geo Center List other water rights that will use this point

6. **Presently authorized point of diversion:**
 One in the Quarter of the Quarter of the Quarter of Section Township South, Range (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: No change, point better described with GPS as follows:
Proposed point of diversion: (Complete only if change is requested or if existing point is better described by GPS)
 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. The changes herein are desired for the following reasons?
 (please be specific) Loss of production

8. If a well, is the test hole log attached? Yes No

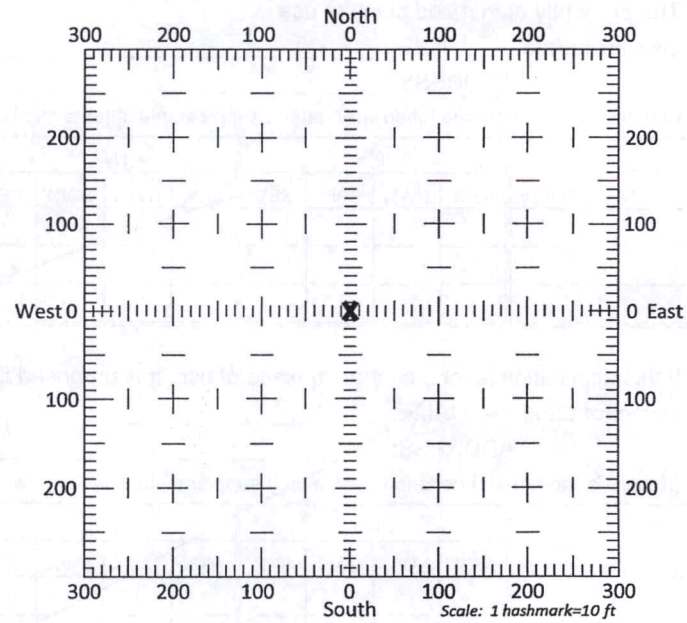
9. The change(s) (was)(will be) completed by?
Upon approval

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

11. Groundwater Management District recommendation attached?
 Yes No

12. Assisted by Brandon Friedman

13a. If the proposed point of diversion will be relocated more than 300 feet but within 2,640 feet of 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



13b. If the proposed point of diversion will be relocated within 300 feet of the existing point of diversion, indicate its location on the diagram shown above in relation to the existing point of diversion. (PLEASE NOTE: The "X" in center of diagram above represents the presently authorized point of diversion.)

14. If the proposed groundwater point of diversion is 300 or fewer feet from the 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 regards 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 1ST day of OCTOBER, 2019.

<i>Michael L Hamm</i>	
(Owner)	(Spouse)
Michael L. Hamm	
(Please Print)	(Please Print)
(Owner)	(Spouse)
(Please Print)	(Please Print)
(Owner)	(Spouse)
(Please Print)	(Please Print)

State of Kansas
 County of ANNEY } SS

I hereby certify that the foregoing application was signed in my presence and sworn to before me this 1ST day of OCT, 2019.

My Commission Expires 9-14-22  Catherine Reinert
 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

14. If the proposed groundwater point of diversion is 300 or fewer feet from the 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?
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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 regards 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 30th day of SEPTEMBER, 2019.

<u>Terrence L. Hamm</u> (Owner)	_____ (Spouse)
<u>TERRENCE L. HAMM</u> (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 30TH day of SEP, 2019.

My Commission Expires 9-14-22

NOTARY PUBLIC - State of Kansas
 CATHERINE REINEBT
 My Appt. Exp. 9-14-22

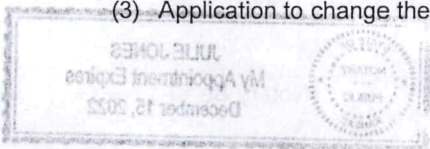
Catherine Reinebt
Notary Public

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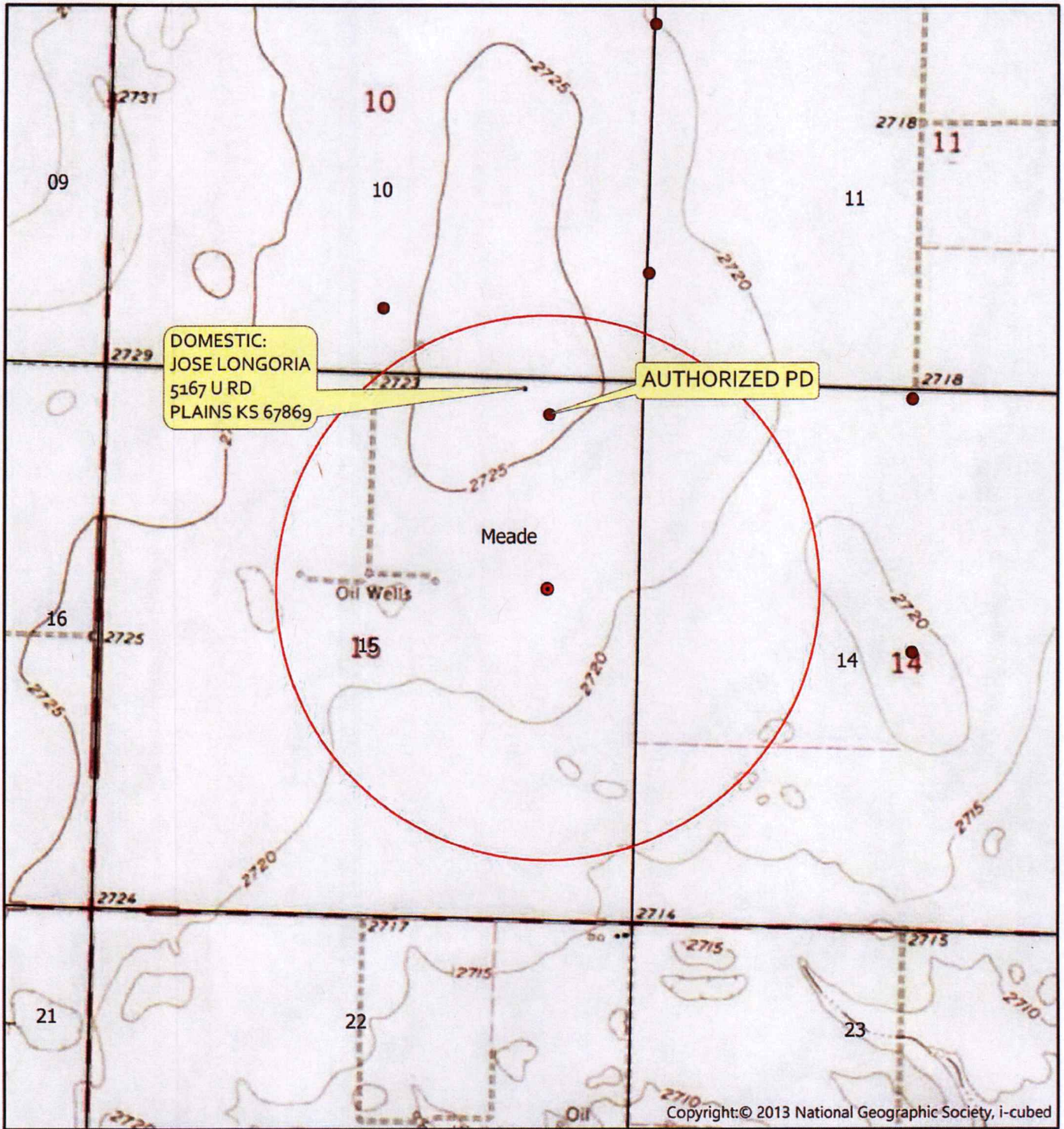
FEE SCHEDULE

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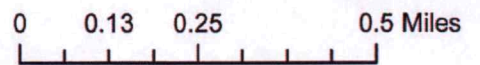
- (1) Application to change a point of diversion 300 feet or less \$100
- (2) Application to change a point of diversion more than 300 feet \$200
- (3) Application to change the place of use \$200



CHANGE IN POINT OF DIVERSION
WATER RIGHT, FILE NOS. 2955, 7661 & 12343



Township 33 South Range 30 West
Meade County



- PROPOSED PD
- 1/2 MILE

ALL WELLS WITHIN A HALF MILE
ARE ON THIS MAP:

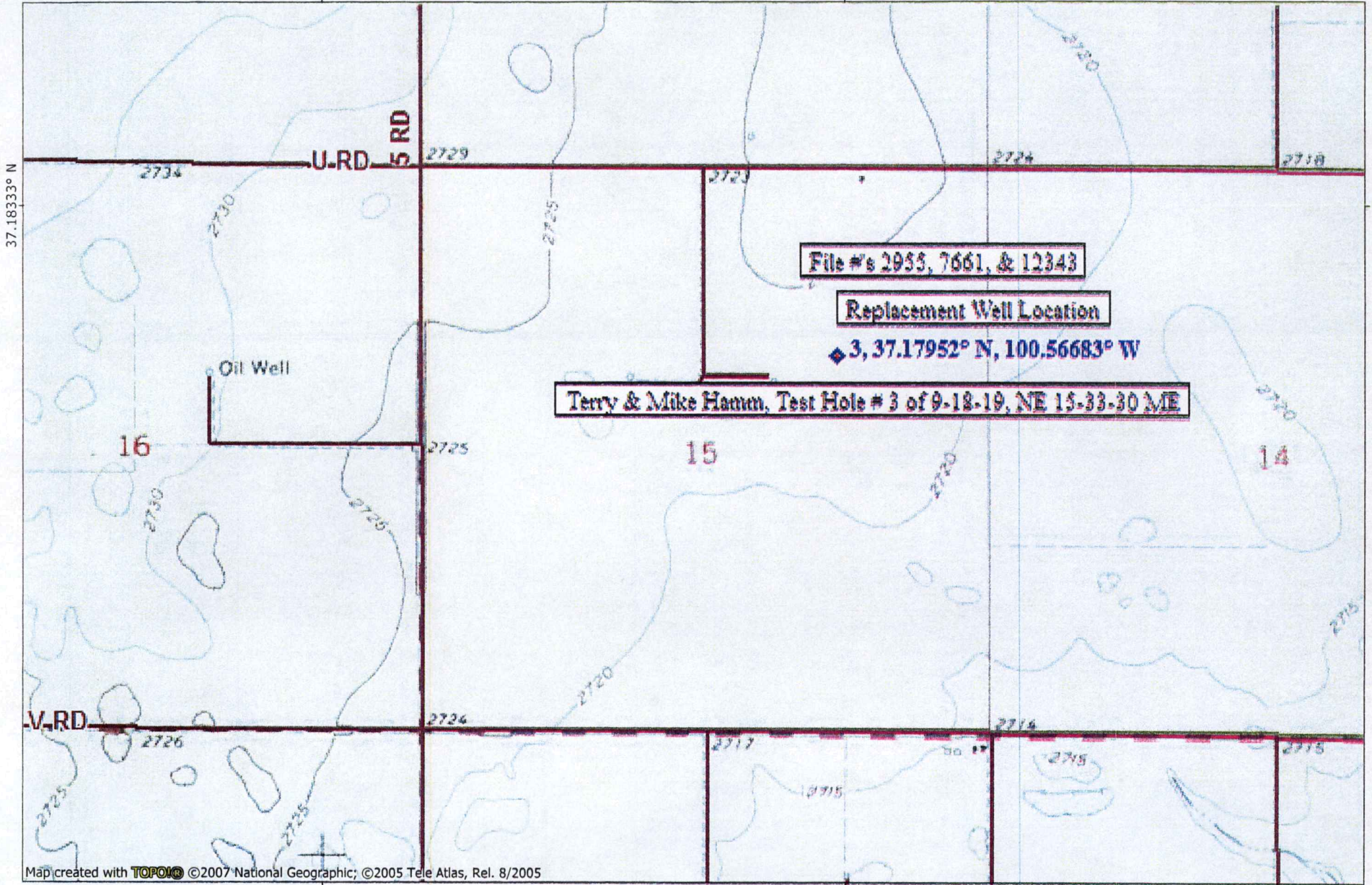
Yusef Omer



Created By: AM/GCFO

100.58333° W

NAD27 100.56667° W



File #'s 2955, 7661, & 12343

Replacement Well Location

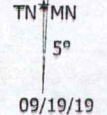
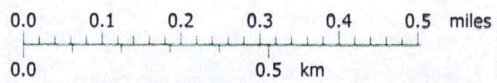
3, 37.17952° N, 100.56683° W

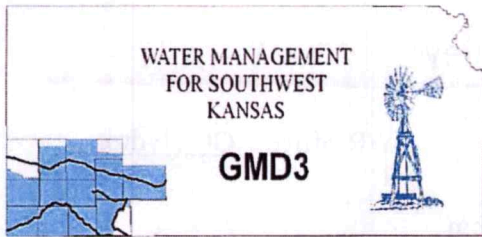
Terry & Mike Hamm, Test Hole # 3 of 9-18-19, NE 15-33-30 ME

Map created with TOPO! © 2007 National Geographic; © 2005 Tele Atlas, Rel. 8/2005

100.58333° W

NAD27 100.56667° W





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

November 12, 2019

Austin J. McColloch
Division of Water Resources
4532 W Jones Ave., Suite B
Garden City, Kansas 67846

RE: Application for Change in Point of Diversion
Water Right, File Nos. 2955, 7661 & 12343

Dear Austin:

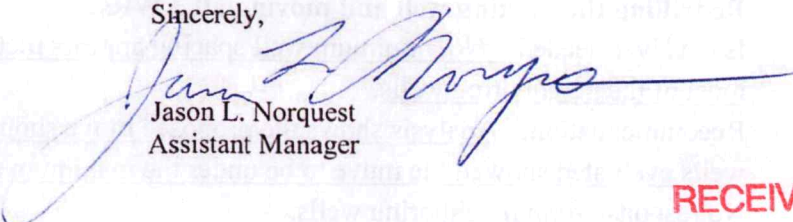
We have completed a review of the application for the above referenced water right. The proposed change in point of diversion is in accordance with current area rules, K.A.R. 5-23-3, as it pertains to distance moved and minimum spacing to neighboring wells.

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 our membership. 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 none of the well exceeded the 4.0 ft maximum allowable threshold. The results were based on the proposed well pumping at full authority. We did not receive any comments from our notices. Therefore, GMD3 sees this move as reasonable and unlikely to impair neighboring wells. It is therefore recommended that the application 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

RECEIVED

NOV 12 2019

GMD3 Change Review

File No(s): 2955, 7661 & 12343.

DWR office: GC/Hydro.

App filed to change: PD.

Is Landowner(s) correct in WRIS: Terry & Mike Hamm.

If NO, is documentation included?

Is Water Use Correspondent correct in WRIS? Layne Angell.

If NO, is documentation included?

Regulation(s) Reviewed: KAR 5-23-3

Point of diversion ID No(s) 01 being changed.

	ft. North	ft. West	
Authorized PD	5200	1300	Sect 15-33-30
Proposed PD	3514	1319	
Difference	1686 s	-19 w	
a2 + b2 = c2	2842596	361	1686.107 foot move SW

GPS for proposed PD: Lat: 37.179520 Long: -100.56683

Is proposed PD stacking on existing WRs? Moving all 3 WRs that are currently overlapped.

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 %

Log brought in by Hydro, DWR is starting their work.

Redrilling the existing well and moving all 3 WRs.

Is a waiver needed: No, minimum well spacing appears met. Moving further away from most of the neighboring wells.

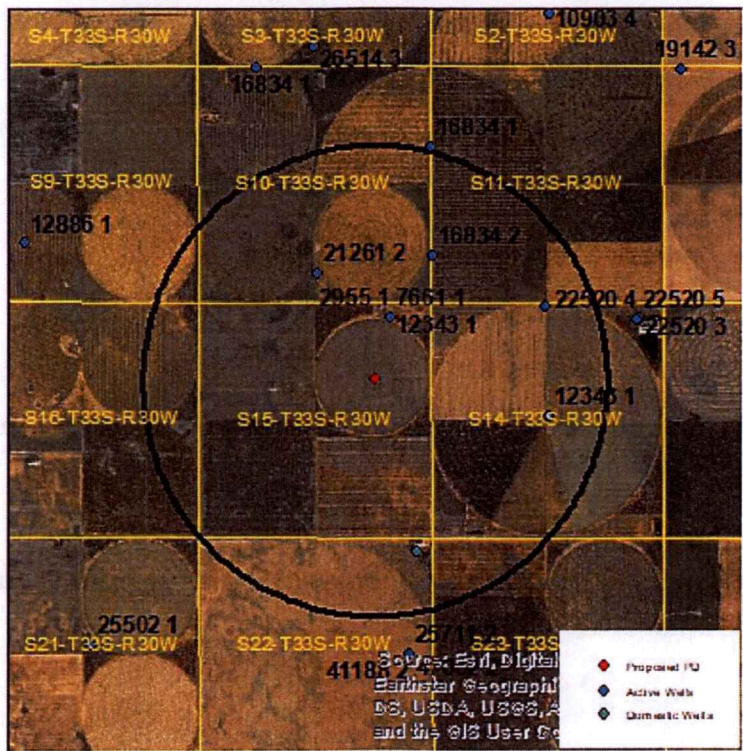
Recommendation: Analysis shows the proposed move should have minimal effect. All wells evaluated showed the move to be under the maximum allowed effect for the area.

No response from neighboring wells.



Evaluation of proposed move for Water Right Nos 2955, 7661, and 12343

Proposed: Move water right nos. 2955, 7661, and 12343 a distance of 1456 ft to the southwest.



Wells within 1 mile: 21261, 16834, 22520, 12343, and a domestic well in section 22-33-30.

The saturated thickness at the proposed well location is estimated to be 279 ft, based upon an observation well in section 22-33-30 and the driller's log at the proposed well location. For saturated thicknesses greater than 200 ft, the drawdown allowance is 4.0 ft.

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

$S = 0.1119$, $T = 12,601 \text{ ft}^2/\text{day}$, $t_{\text{current}} = 122 \text{ days}$, $Q_{\text{current}} = 509 \text{ gpm}$, $t_{\text{proposed}} = 108 \text{ days}$,

$Q_{\text{proposed}} = 1100 \text{ gpm}$

Theis drawdowns were calculated as follows:

21261: Drawdown from current location = 2.22 ft
 Drawdown from proposed location = 3.60 ft
 Net drawdown = **1.4 ft**

16834: Drawdown from current location = 2.38 ft
 Drawdown from proposed location = 3.31 ft
 Net drawdown = **0.9 ft**

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NOV 12 2019

Garden City Field Office
 Division of Water Resources

22520: Drawdown from current location = 1.56 ft
Drawdown from proposed location = 2.73 ft
Net drawdown = **1.2 ft**

12343: Drawdown from current location = 1.40 ft
Drawdown from proposed location = 2.82 ft
Net drawdown = **1.4 ft**

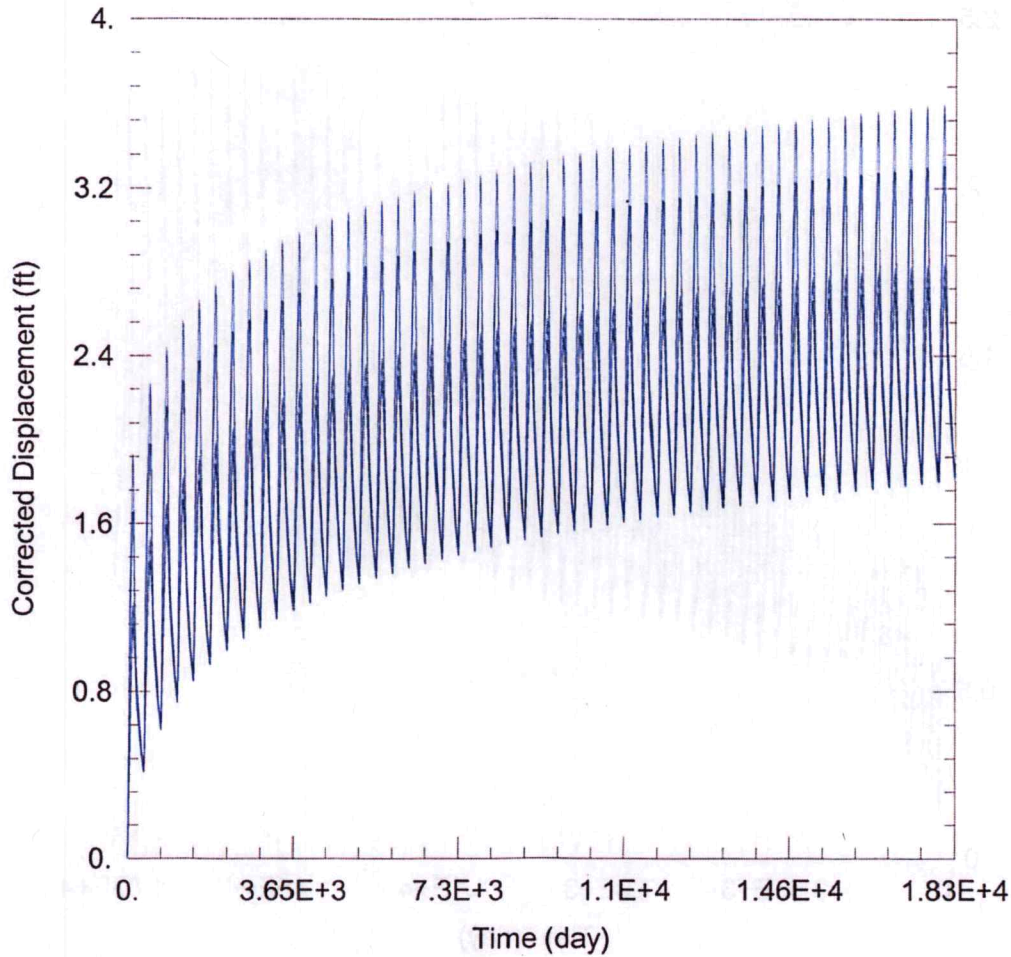
Domestic 22-33-30: Drawdown from current location = 1.20 ft
Drawdown from proposed location = 2.84 ft
Net drawdown = **1.6 ft**

None of the net well effects exceed the drawdown allowance of 4.0 ft, therefore none of the neighboring wells are likely to be impaired.

Conclusion:

The proposed change is not likely to unreasonably contribute to an impairment situation. Therefore, GMD3 staff recommends approval of the application.

RECEIVED
NOV 1 2018
Division of Water Resources
Groundwater Field Office



RECEIVED

NOV 12 2019

Garden City Field Office
Division of Water Resources

WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2019_moves\2955_7661_12343\2955 Proposed.aqt
Date: 09/23/19 Time: 15:16:48

PROJECT INFORMATION

Company: GMD 3
Project: 2955_7661_12343
Location: Meade County
Test Well: 2955_7661_12343

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
2955 & 7661 & 12343	67772	110955

Observation Wells

Well Name	X (ft)	Y (ft)
□	67772	110955
□ 21261	66472	113360
□ 16834	69061	113774
□ 22520	71646	112620
□ 12343	71710	110151
□ Domestic 22-33-30	68740	107106

SOLUTION

Aquifer Model: Unconfined

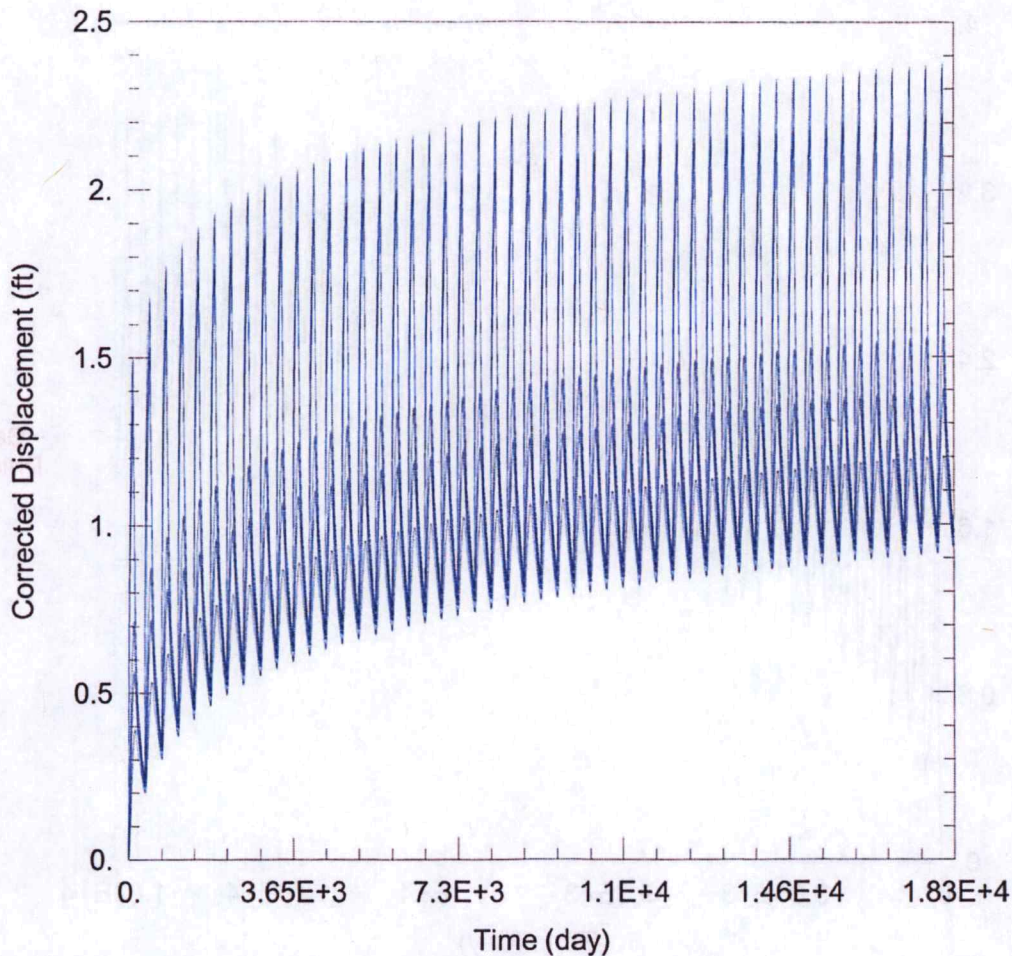
Solution Method: Theis

T = 1.26E+4 ft²/day

S = 0.1119

Kz/Kr = 1.

b = 279. ft



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2019_moves\2955_7661_12343\2955 Current.aqt
 Date: 09/23/19 Time: 15:16:58

PROJECT INFORMATION

Company: GMD 3
 Project: 2955 7661 12343
 Location: Meade County
 Test Well: 2955_7661_12343

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
2955 & 7661 & 12343	68118	112370

Observation Wells

Well Name	X (ft)	Y (ft)
□	68118	112370
□ 21261	66472	113360
□ 16834	69061	113774
□ 22520	71646	112620
□ 12343	71710	110151
□ Domestic 22-33-30	68740	107106

SOLUTION

Aquifer Model: Unconfined

Solution Method: Theis

T = 1.26E+4 ft²/day

S = 0.1119

Kz/Kr = 1.

b = 279. ft

Garden City Field Office
4532 W. Jones, Suite B
Garden City, KS 67846



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

Mike Beam, Secretary

Laura Kelly, Governor

October 29, 2019

GROUNDWATER MANAGEMENT DISTRICT #3
2009 E SPRUCE ST
GARDEN CITY KS 67846

Change Application,
File Nos. 2955; 7661 & 12343

Dear Sir or Madam:

We are enclosing copies of the referenced applications, which were submitted by Terry & Mike Hamm and appear to be in proper form, for your review.

We are delaying any further action for a period of 15 days from the date of this letter to allow you time to submit your recommendation concerning this application. Please submit your recommendation within the allotted time, or any authorized extension of time thereof.

If you have any questions, please contact me at (620) 276-2901. If you wish to discuss a specific file, please have the file number ready to that I may help you more efficiently.

Sincerely,

A handwritten signature in blue ink that reads "Austin McColloch".

Austin McColloch
Assistant Water Commissioner

Enclosure
pc:

Garden City Field Office
4532 W. Jones, Suite B
Garden City, KS 67846



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

Mike Beam, Secretary

Laura Kelly, Governor

October 10, 2019

JOSE LONGORIA
5167 U RD
PLAINS KS 67869

RE: Water Right, File Nos. 2955, 7661 & 12343

Dear Sir or Madam:

This is to advise you that Mike Hamm has filed an application for approval of the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, to change the point of diversion under the above referenced applications. An irrigation well is proposed to be relocated to the NE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 15, Township 33 South, Range 30 West, Meade County.

You can find the complete applications posted by water right file number as referenced above at: <https://agriculture.ks.gov/divisions-programs/dwr/water-appropriation/notices>

You are notified on this proposed point of diversion (well) so that you may furnish this office with any comments or other information you want to submit. Such comments or other information must be received in this office within 15 days from the date of this letter.

Should you have any questions, please feel free contact this office. If you would prefer, you could arrange an appointment for additional assistance. Please refer to the file number when you contact us if you wish to discuss a specific file.

Sincerely,

A handwritten signature in black ink, appearing to read "Austin J. McColloch".

Austin J. McColloch
Assistant Water Commissioner

AM:
enclosures

pc:
GROUNDWATER MANAGEMENT DISTRICT NO. 3

SCANNED