

Kansas Department of Agriculture
 Division of Water Resources
CHANGE: P/D WORKSHEET

1. File Number: 8059	2. Status Change Date: <i>3-24-2023</i>	3. Change Num: C3	4. Field Office: 4	5. GMD: 3
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6. Status: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied by DWR/GMD <input type="checkbox"/> Dismiss by Request/Failure to Return	7. Filing Date of Change: 3/24/2023
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8a. Applicant(s), Landowner
 New to system Person ID _____
 Add Seq# _____

JAMES W & ANNE CULLISON
PO BOX 367
SATANTA, KS 67870-0367

8c. Landowner(s)
 New to system Person ID _____
 Add Seq# _____

8b. Landowner(s)
 New to system Person ID _____
 Add Seq# _____

8d. WUC
 New to system Person ID _____
 Add Seq# _____

8a

9. Documents and Enclosure(s): DWR Meter(s) Date to Comply: **12/31/2023** N & P Date to Comply: **3/1/2024**

Anti-Reverse Meter Meter Seal Check Valve N & P Form Water Tube Driller Copy H & E Letter

Conservation Plan Date Required: _____ Date Approved: _____ Date to Comply: _____

10. Use Made of Water From: _____ To: _____

Date Prepared: **3/24/2023** By: **MAM**
 Date Entered: _____ By: _____

File No. **8059** 11. County: SV Basin: **CIMARRON RIVER** Stream: Formation Code: **211/331** Special Use:

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

DEL 79743

ENT NWSWNE 29 31S 35W 3510 2392 3480 26 1120 26 3424, 6073

CHK 21660

CHK 88413

BLANKET RATE AND QUANTITY

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 7238																									8a	Y
CHK 19391																									8a	Y
CHK 39173																									8a	Y

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

March 24, 2023

JAMES W & ANNE CULLISON
PO BOX 367
SATANTA, KS 67870-0367

RE: Field Office Application for Change
Water Right, File Nos. 3424, 6073, 8059

Dear Sir:

Enclosed are orders 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 numbers.

Your attention is directed to the enclosures and to the terms, conditions, and limitations specified in these approvals for change. A condition of this approval is that an acceptable water flow meter 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 the order modifies the original document referred to above, it should be recorded with the Register of Deeds as other instruments affecting real estate.

The 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 contact this office. If you would prefer, you could arrange an appointment for additional assistance.

Sincerely,

A handwritten signature in blue ink that reads "Michael A. Meyer".

Michael A. Meyer
Water Commissioner

MAM:
Enclosures

pc: GMD3

CERTIFICATE OF SERVICE

On this 24th day of March 2023, I hereby certify that the foregoing Approval of Application for Change in Point of Diversion, Water Right, File Nos. 3,424, 6,073, 8,059 dated 24th day of March 2023 was mailed postage prepaid, first class, US mail to the following:

JAMES W & ANNE CULLISON
PO BOX 367
SATANTA, KS 67870-0367

Pc:

GMD3

A handwritten signature in blue ink that reads "Aaron Holsted". The signature is written in a cursive style and is positioned above a horizontal line.

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. 8059

RECEIVED
 1:53 pm
 MAR 13 2023

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: JAMES W & ANNE L CULLISON

PO BOX 367, SATANTA, KS 67870

Phone Number: (620)649-2531

Email address: THEFARM@PLD.COM

Name and address of Water Use Correspondent: SAME AS ABOVE

SAME AS ABOVE

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 \$ <u>200.00</u> CTR # _____ Receipt Date <u>3-13-23</u> Check # <u>20623</u>
--

5. **Presently authorized point of diversion:**
 One in the NW Quarter of the NW Quarter of the NE Quarter
 of Section 29 , Township 31 South, Range 35 W,
 in STEVENS County, Kansas, 5206 feet North 2168 feet West of Southeast corner of section.
 Authorized Rate 4 3480 GPM Authorized Quantity 7 26 AF Depth of well (feet)
 (DWR use only: Computer ID No. 4 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 NW Quarter of the SW Quarter of the NE Quarter
 of Section 29 , Township 31 South, Range 35 W,
 in STEVENS County, Kansas, 3510 feet North 2392 feet West of Southeast corner of section.
 Proposed Rate 7 3480 GPM Proposed Quantity 7 26 AF Proposed well depth (feet) 560
 This point is: Additional Well Geo Center List other water rights that will use this point 3424 & 6073

+ combined rate & quantity

6. **Presently authorized point of diversion:**
 One in the SW Quarter of the SW Quarter of the NW Quarter
 of Section 27 , Township 31 South, Range 35 W,
 in STEVENS County, Kansas, 2670 feet North 5199 feet West of Southeast corner of section.
 Authorized Rate 7 3480 GPM Authorized Quantity 7 26 AF Depth of well (feet)
 (DWR use only: Computer ID No. 3 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 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) _____

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

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

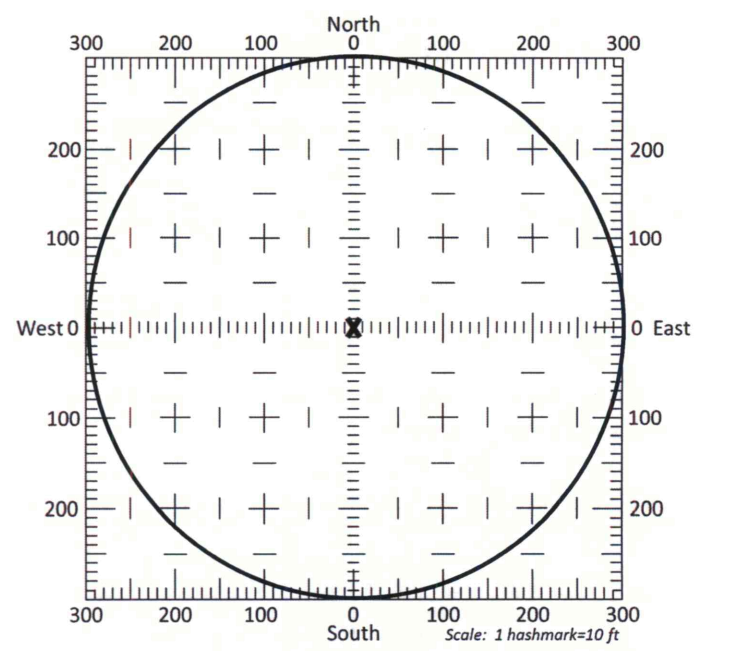
10. If the point of diversion is a well:
 (a) What are you going to do with the old well?

 (b) When will this be done? _____

11. Groundwater Management District recommendation attached?
 Yes No

12. Assisted by JG/GCFO

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 a 300 foot radius of the existing point of diversion, indicate its location on the diagram shown above in relation to the existing point of diversion. The proposed point of diversion must be located within the circle shown above. (PLEASE NOTE: The "X" in center of diagram above represents the presently authorized point of diversion.)

APPLICATION FOR APPROVAL TO CHANGE
THE PLACE OF USE AND/OR POINT OF DIVERSION
SUPPLEMENTAL SHEET
FILE NO. 8059

Presently authorized point of diversion:
One in the SW Quarter of the SW Quarter of the NE Quarter
of Section 28, Township 31 South, Range 35 W,
in STEVENS County, Kansas, 2717 feet North 2294 feet West of Southeast corner of section.
Authorized Rate 3480 GPM Authorized Quantity 26 AF Depth of well _____ (feet)
(DWR use only: Computer ID No. 5 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) GEO CENTER
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.
Proposed Rate _____ Proposed Quantity _____ Proposed well depth (feet) _____
This point is: Additional Well Geo Center List other water rights that will use this point _____

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)
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 _____

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: No change, point better described with GPS 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 _____

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: No change, point better described with GPS 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 _____

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 13th day of March, 20 23.

<u>J.W. Cullison</u> (Owner)	
<u>J.W. Cullison</u> (Please Print)	
<u>Anne L. Cullison</u> (Owner)	
<u>Anne L. Cullison</u> (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 13th day of March, 20 23.

My Commission Expires _____



JULIE JONES
 My Appointment Expires
 December 15, 2026

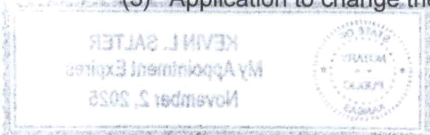
Julie Jones
 Notary Public

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



#1 2023

IC. 29 Blk T-31S
 Hwy R-35W Co. STEVEN
37.32436 W. -101.14871

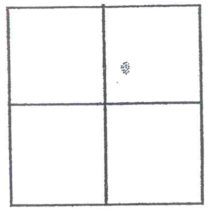


No. 31137

P.O. Box 784
 Sunray, Texas 79086
 (806) 948-4421

Water Rights: 3424-00
 6073-00
 8059-00

Jim Cullison
The Farm @ PLD.com



Test Waterwell

DATE 2/13/23

NO. 1-23

FROM	TO	DESCRIPTION	SAND
0	140	Top soil, Chalk + Bio. in clay	
140	240	red and coarse sand w/ clay strips	
240	315	Brown + Grey sticky clay	
315	340	fine, med and coarse sand w/ clay strips	
340	360	Grey/Brown clay to fine to med fairly loose sand	4
360	380	fine med and coarse fairly loose sand	20
380	400	fine, med and coarse fairly loose sand w/ clay strips	16
400	420	fine to med fairly loose sand w/ clay strips	11
420	440	fine to med fairly loose sand w/ clay strips	11
440	460	fine to med fairly loose sand w/ clay strips	9
460	480	fine, med and coarse fairly loose sand w/ clay strips	19
480	500	fine to med little tight sand w/ hard shale strips + clay strips	14
500	520	Grey and pink clay w/ hard shale / soap stone	
520	540	Grey, Brown, and Red clay w/ hard shale strips / soap stone	
540	560	Red clay w/ hard shale	
		1 drag bit	
		1/2 c/s bolts	104
		1/2 8Kt Hydro pack Regular	

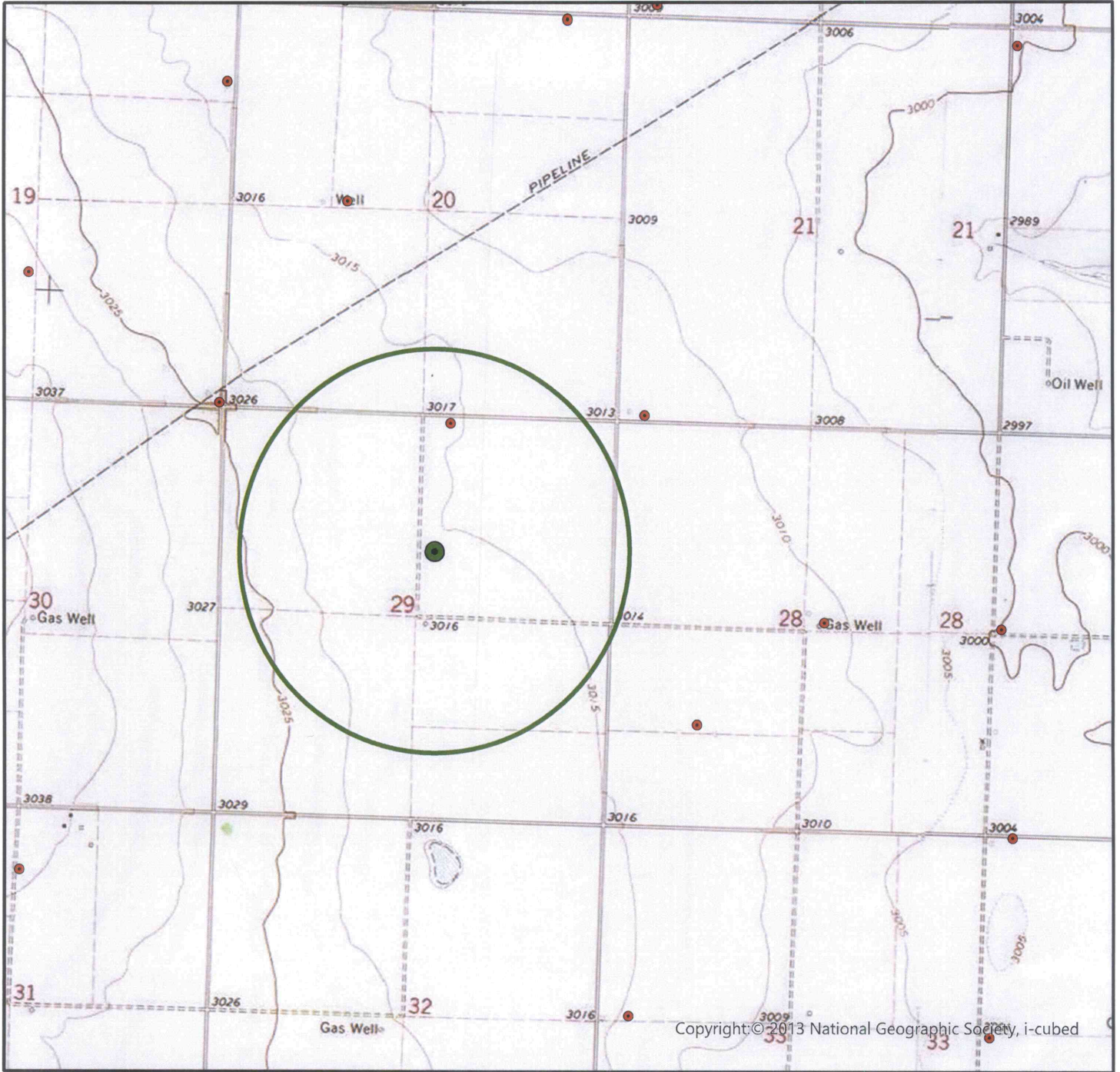
RECEIVED





MAR 09 2023

Garden City Field Office
 Division of Water Resources

CHANGE IN PLACE OF DIVERSION WATER RIGHT, FILE NO. 8059

NE 1/4 of Section 29 Township 31 South Range 35 West Stevens County



	Authorized Point of Diversion
	Proposed Point of Diversion
	Domestic Well within 1/2 mile
	1/2 mile buffer

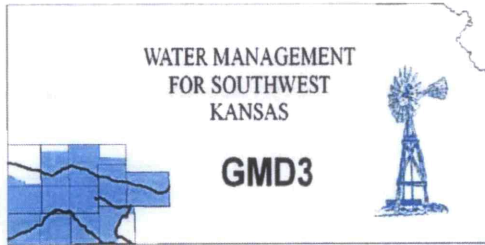
List of owner name and addresses within 1/2 mile:



All wells of any kind within 1/2 mile of the requested place of use have been plotted.

J. W. Cullison 3-13-2023
(Signature) Date

Date JG/GCFO
1:24,000 Scale



Southwest Kansas
Groundwater Management District No. 3
2009 E. Spruce Street
Garden City, Kansas 67846
(620) 275-7147 phone
www.gmd3.org

March 22, 2023

Michael A. Meyer
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. 3424, 6073 & 8059

Dear Mike:

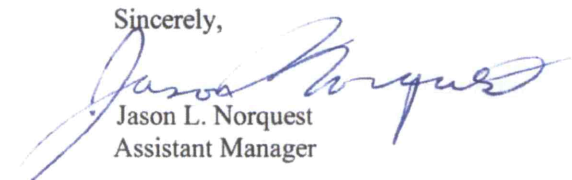
We have completed a review of the applications for the above referenced water rights. The proposed change in point of diversion is in accordance with current area rules, K.A.R. 5-23-3, as it pertains to minimum spacing to neighboring wells and distance moved.

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 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 (3.5 ft with saturated thickness is between 150-200ft), 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 some of the neighboring wells exceeded the net effect above the maximum allowable threshold and needed further evaluation. Critical wells were determined possible in the area if the proposed well pumped at full authority. It should be noted that there are two other wells under these water rights with a blanket authority. It is assumed that the other two wells will continue to pump, so this proposed well would not pump the full authority. It would also be unreasonable for one well to pump the full authority in this area. The applicant did respond to our notice and has had conversations with the neighboring wells. It was stated that none of the neighbors had issue with the proposed change. Therefore, GMD3 sees these moves as meeting current rules and would recommend approval along at the State is confident that neighboring wells are not adversely affected. If aquifer conditions change or there is a change to the water right in the future, we would be happy to evaluate the effects at that time.

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

GMD3 Change Review

File No(s): 3424, 6073, 8059.

DWR office: GC.

App filed to change: PD.

Is Landowner(s) correct in WRIS: James & Anne Cullison.

If NO, is documentation included?

Is Water Use Correspondent correct in WRIS? __.

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	5206	2168	Sect 29-31-35
Proposed PD	3510	2392	
Difference	1696 s	-224 w	
a2 + b2 = c2	2876416	50176	1710.728 foot move SW

GPS for proposed PD: Lat: 37.32436 Long: -101.14871.

Is proposed PD stacking on existing WRs? Same overlap as before, all 3 WRs moving.

Is Proposed PU overlapping existing WRs? No Change.

Neighboring certified well(s) notified: __.

Name Bill & Linda Harvey (3361).

Address PO Box 26.

Zip Moscow, KS 67952.

Email: tomlahey51@icloud.com Phone: 620-544-9364.

Name Bee Farm LLC (10109).

Address 2030 State Hwy 25.

Zip Hugoton, KS 67951.

Email: miltongillespie@icloud.com Phone: 620-544-7799.

Name Dell A Cullison (12559, 188484).

Address 2345 Road AA.

Zip Moscow, KS 67952.

Email: dellcullison@yahoo.com Phone: 620-582-2583.

Name Wesley & Leslie Randles (13307).

Address PO Box 207.

Zip Moscow, KS 67952.

Email: wsrnl@pld.com Phone: 620-598-2515.

Domestic well(s) notified: __.

Name __.

Address __.

GMD3 Change Review

Zip ____.

Base Acres: ____.

Perfected Acres: ____.

Irr. Return-Flow ____%

Stevens County

3424 authorized 960AF @ 1410gpm blanket on three wells, no limitation

6073 authorized 614AF @ 950gpm blanket on three wells, limited to 640AF with other WRS on 320 acres listed.

8059 authorized 26AF @ 3480gpm blanket of three wells, limited to 3480gpm w/3424 & 6073

Combined 1600AF @ 3480gpm on three wells.

2013-2022 average reported water use: 123.43AF/year

Current well at 522', drilled in 2012 according to logs

Proposed depth around 550'

This well not pumping during last GMD3 inspection.

Is a waiver needed: Move is less than half mile. Minimum spacing to neighboring wells appears to be met.

Recommendation: After review of all available information, it appears current area rules are met. The analysis for this change was a little more difficult since the well being moved has water rights that also cover two other wells with blanket authority. We would assume the other two wells would pump as they have been, which would have left more authority on the changing well that could realistically be pumped. The applicant responded to my notice that he has had discussion with the neighboring well owners and that they do not object to the proposal. Staff therefore recommends approval of the application.



Water Rights and Points of Diversion Within 1 mile of point defined as:

3510 Feet N and 2392 Feet W of the Southeast Corner of Section 29 Twp 31S Rng 35W
 Located at: 101.148710 West Longitude and 37.324361 North Latitude
 Both SURFACE WATER and GROUNDWATER

2300' on a 11

File Number	Use	ST	SR	Dist (ft)	Q4	Q3	Q2	Q1	FeetN	FeetW	Sec	Twp	Rng	ID	Batt	Auth_Quan	Add_Quan			
A__ AF	3027	00	IRR	NK	G				3361	SW	SW	SW	91	4852	21	31	35W	2	640.00	640.00
A__ AF	3424	00	IRR	NK	G*				1713	NW	NW	NE	5206	2168	29	31	35W	4	960.00	960.00
A__ AF	6073	00	IRR	NK	G*				1713	NW	NW	NE	5206	2168	29	31	35W	4	614.00	614.00
A__ AF	8059	00	IRR	NK	G*				1713	NW	NW	NE	5206	2168	29	31	35W	4	26.00	26.00
A__ AF	10109	00	IRR	NK	G				4233	NC	SW		1320	3960	28	31	35W	1	633.00	633.00
A__ AF	12559	00	IRR	NK	G				4750	SW	SE	NW	2779	3746	20	31	35W	4	344.00	344.00
A__ AF	13307	00	IRR	NK	G				3523	SE	SE	SE	60	60	19	31	35W	4	284.00	284.00
A__ AF	18484	00	IRR	NK	G				4750	SW	SE	NW	2779	3746	20	31	35W	4	172.00	172.00

Total Net Quantities Authorized:	Direct	Storage
Total Requested Amount (AF) =	.00	.00
Total Permitted Amount (AF) =	.00	.00
Total Inspected Amount (AF) =	.00	.00
Total Pro_Cert Amount (AF) =	.00	.00
Total Certified Amount (AF) =	3673.00	.00
Total Vested Amount (AF) =	.00	.00
TOTAL AMOUNT (AF) =	3673.00	.00

*Minimum Spacing
Appears MET*

An * after the source of supply indicates a pending application for change under the file number.
 An * after the ID indicates a 15 AF exemption was granted under 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 mile of point defined as:

3510 Feet North and 2392 Feet West of the Southeast Corner of Section 29 Twp 31S Rng 35W
 Located at: 101.148710 West Longitude and 37.324361 North Latitude
 Both SURFACE WATER and GROUNDWATER
 WATER USE CORRESPONDENTS:

- File Number Use ST SR
- > BILL & LINDA HARVEY
- >
- > PO BOX 26
- > MOSCOW KS 67952
- >-----
- > JAMES W & ANNE CULLISON
- >
- > PO BOX 367
- > SATANTA KS 67870
- >-----
- > JAMES W & ANNE CULLISON
- >
- > PO BOX 367
- > SATANTA KS 67870
- >-----
- > JAMES W & ANNE CULLISON
- >

3027
3424
6073
8059

Applications

> PO BOX 367
> SATANTA KS 67870

>-----

> BEE FARM LLC

> 2030 STATE HWY 25
> HUGOTON KS 67951

10109

>-----

> DELL A CULLISON

> 2345 ROAD AA
> MOSCOW KS 67952

12559

>-----

> WESLEY S & LESLIE A RANGLES

> PO BOX 207
> MOSCOW KS 67952

13307

>-----

> DELL A CULLISON

> 2345 ROAD AA
> MOSCOW KS 67952

18484

>-----

=====

Jason Norquest

From: James W Cullison <thefarm@pld.com>
Sent: Monday, March 20, 2023 4:29 PM
To: Jason Norquest
Subject: Re: Review of your application

Thank you for this information, we did go to the web site and read your analysis.

One of the two wells that are considered critical, 12559,18484 on the NW 20-31-35 is owned by James W and his siblings, each have 25% undivided interest. Jim spoke with his 2 sisters today who share ownership, Kay Larkin and Patricia Lahey. Approval to drill was given by those contacted, 75% majority.

James W's brother in law, Tom Lahey is the tenant on water rite 3027 and though he is not the owner, he anticipates no objection.

We assume these parties will be contacted by you. We appreciate the information and hope to receive your approval. Thank you for providing this information to us.

Anne Cullison

From: "Jason Norquest" <norquest@gmd3.org>
To: "A Cullison" <thefarm@pld.com>
Sent: Thursday, March 16, 2023 10:13:12 AM
Subject: Review of your application

Dear James W & Anne L Cullison:

This is to inform you we are in the process of reviewing your application to relocate your well 1710 feet SW of their current well location in Section 29, Township 31s, Range 35w, in Stevens county. 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 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. An analysis was 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 (3.5 ft in cases where saturated thickness is between 150-200 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. 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.

The results of the analysis can be found at: <http://www.gmd3.org/what-we-do/well-to-well-analysis/> Please review the analysis for the proposed change to Water Rights 3424, 6073 & 8059. If you have any questions or wish to provide better information, please contact our office.

As noted at the end of our analysis, this change needed some explaining. Since we are dealing with your three water rights that covers three points of diversion, yet has a blanket authority. When analysis and reviews are done, we look at the maximum a would could lawfully pump. But we also have to look at real world situations. We did factor in that the other two wells not being redrilled would still pump as they have been. We also realize that this new well will not pump the full authority or that it could. With that in mind, we will give neighboring well owners a chance to reply. If we don't hear anything we will probably submit a favorable review back to DWR.

Thank you for the for your time to review the application and to provide any information. If you have any questions, please don't hesitate to contact us.

Jason Norquest

Assistant Manager, GMD3

Cell: 620-271-1289

Office: 620-275-7147

www.gmd3.org

3027: Drawdown from current location = 0.85 ft
Drawdown from proposed location = 6.43 ft
Net drawdown = **5.6 ft**

10109: Drawdown from current location = 0.57 ft
Drawdown from proposed location = 5.46 ft
Net drawdown = **4.9 ft**

Net drawdown exceeds the drawdown allowance of 3.5 ft for all wells within 1 mile of the proposed location. Critical well analysis is necessary on those wells.

Critical Well Evaluation:

13307:

Water Column = 182 ft

DP = 5.4 ft (Net drawdown from the proposal indicated above)

DE = 44.6 ft (Water level decline from 2023 through 2048 based upon GMD3 model)

DD = 0 ft (No well use in the last 10 years)

DT = 50.0 ft

Economic Drawdown Constraint (EDC) = $0.4 * 182 \text{ ft} = 72.8 \text{ ft}$

Physical Drawdown Constraint (PDC) = $182 \text{ ft} - 60 \text{ ft} = 122 \text{ ft}$

Total drawdown of 50.0 ft is less than the EDC and the PDC, so this well is **not critical**.

12559 & 18484:

Water Column = 160 ft

DP = 5.6 ft (Net drawdown from the proposal indicated above)

DE = 42.7 ft (Water level decline from 2023 through 2048 based upon GMD3 model)

DD = 31.3 ft ($S = 0.1359$, $T = 2595 \text{ ft}^2/\text{day}$, $Q = 675 \text{ gpm}$, $t_p = 119 \text{ days}$, efficiency = 70%)

DT = 79.6 ft

Economic Drawdown Constraint (EDC) = $0.4 * 160 \text{ ft} = 64.0 \text{ ft}$

Physical Drawdown Constraint (PDC) = $160 \text{ ft} - 60 \text{ ft} = 100 \text{ ft}$

Total drawdown of 79.6 ft is greater than the EDC, so this well is **critical**.

3027:

Water Column = 161 ft

DP = 5.6 ft (Net drawdown from the proposal indicated above)

DE = 42.7 ft (Water level decline from 2023 through 2048 based upon GMD3 model)

DD = 31.3 ft ($S = 0.0762$, $T = 8113 \text{ ft}^2/\text{day}$, $Q = 675 \text{ gpm}$, $t_p = 119 \text{ days}$, efficiency = 70%)

DT = 79.6 ft

Economic Drawdown Constraint (EDC) = $0.4 * 161 \text{ ft} = 64.4 \text{ ft}$

Physical Drawdown Constraint (PDC) = $161 \text{ ft} - 60 \text{ ft} = 101 \text{ ft}$

Total drawdown of 79.6 ft is greater than the EDC, so this well is **critical**.

10109:

Water Column = 168 ft

DP = 4.9 ft (Net drawdown from the proposal indicated above)

DE = 45.0 ft (Water level decline from 2023 through 2048 based upon GMD3 model)

DD = 0 ft (No well use in the last 10 years)

DT = 49.9 ft

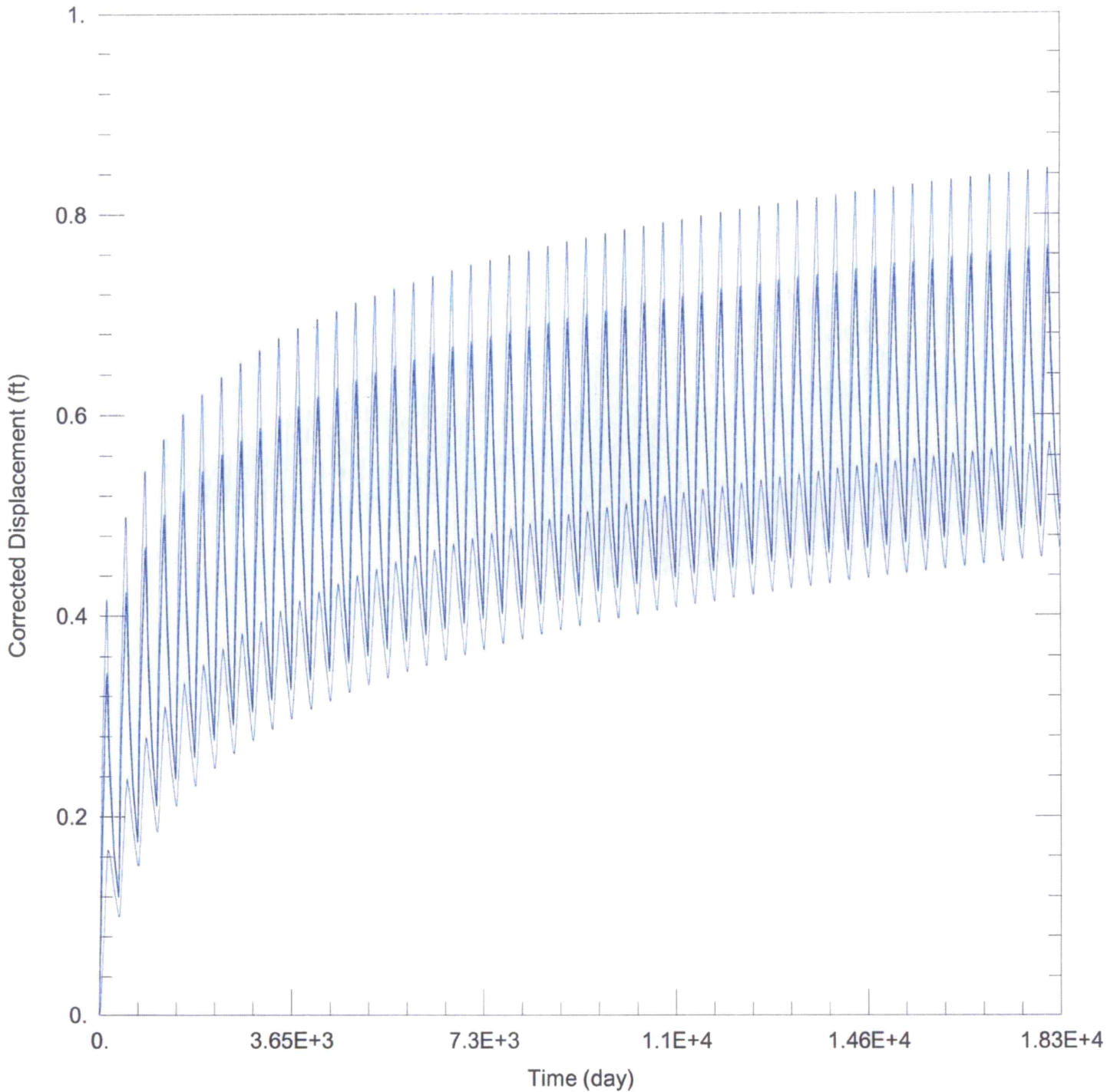
Economic Drawdown Constraint (EDC) = $0.4 * 168 \text{ ft} = 67.2 \text{ ft}$

Physical Drawdown Constraint (PDC) = $168 \text{ ft} - 60 \text{ ft} = 108 \text{ ft}$

Total drawdown of 49.9 ft is less than the EDC and PDC, so this well is **not critical**.

Conclusion:

The proposed move includes three water rights that are split over three wells with a blanket authorized rate and quantity of 3480 gpm and 1600 AF. For this analysis, it was assumed that the two wells that are not proposed to be moved will continue to operate at their current rates and quantities, allowing for up to 2408 gpm and 1004.5 AF at the proposed well location. It is very unlikely that the proposed well will be able to run at that rate or will pump that quantity of water, but it would be permitted to do so. If the proposed well were to operate at its fully authorized rate and quantity, it is likely that a noticeable effect would be generated on two nearby critical wells. These wells were flagged as critical because the GMD3 model projects that they will lose more than 40% of the aquifer necessary to provide their current production over the next 25 years. Concerned neighbors should contact GMD3 at (620) 275-7147 or the Division of Water Resources at (620) 276-2901.



WELL TEST ANALYSIS

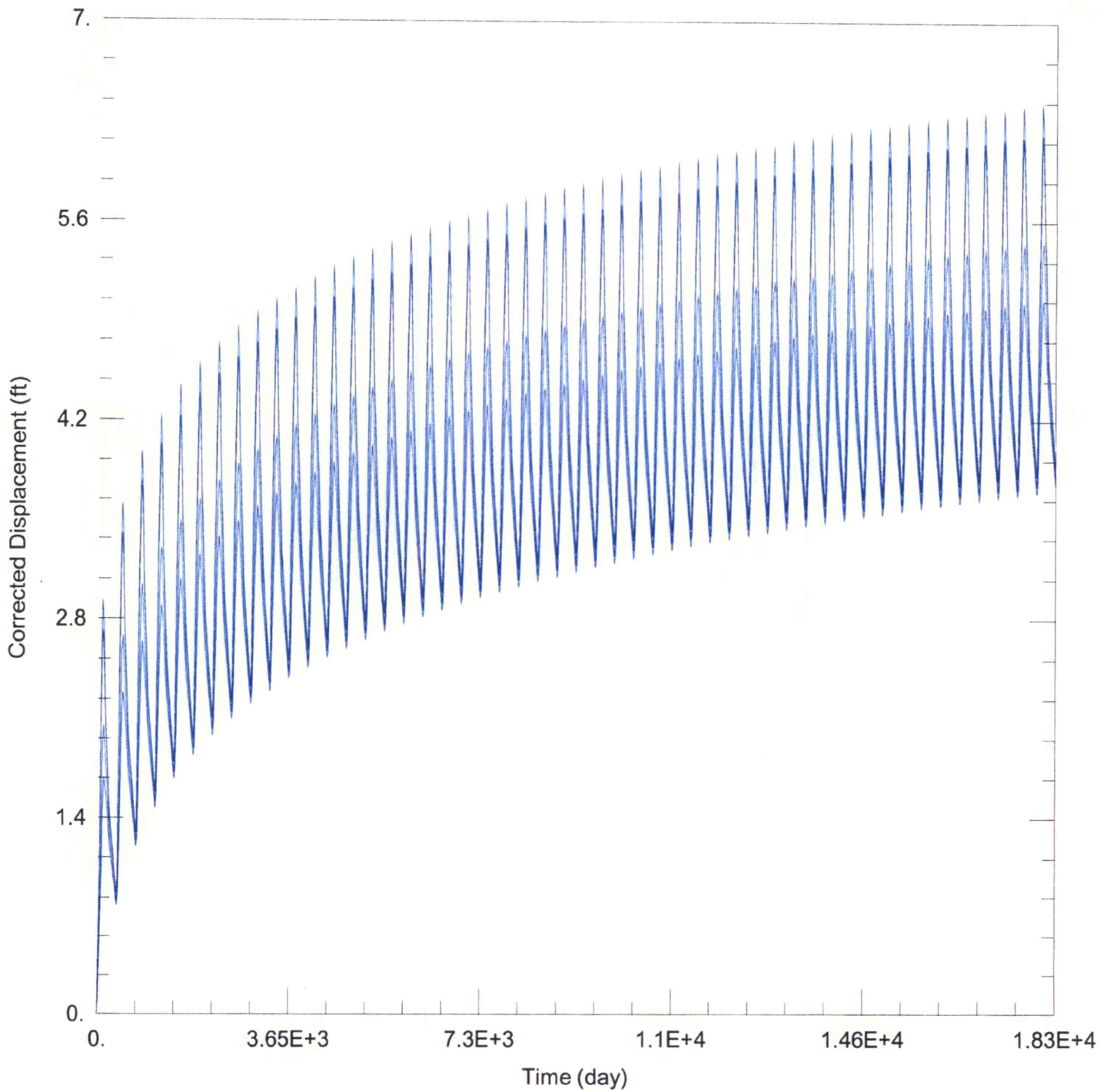
Data Set: C:\Users\trevora\Documents\2023_moves\3424_6073_8059\3424 & 6073 & 8059 Current.aqt
 Date: 03/15/23 Time: 15:15:19

PROJECT INFORMATION

Company: GMD 3
 Project: 3424 & 6073 & 8059
 Location: Stevens County

WELL DATA

Pumping Wells			Observation Wells		
Well Name	X (ft)	Y (ft)	Well Name	X (ft)	Y (ft)
3424 & 6073 & 8059	-101393	165480	□	-101393	165480



WELL TEST ANALYSIS

Data Set: C:\...3424 & 6073 & 8059 Proposed.aqt

Date: 03/15/23

Time: 15:15:13

PROJECT INFORMATION

Company: GMD 3

Project: 3424 & 6073 & 8059

Location: Stevens County

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
3424 & 6073 & 8059	-101562	163799

Observation Wells

Well Name	X (ft)	Y (ft)
□	-101562	163799

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

March 14, 2023

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

Re: Request for Recommendation,
File No. 3424, 6073 & 8059

Dear Sir or Madam:

We are enclosing a copy of the referenced application, which was submitted by Jim Cullison and appears 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: