

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

1. File Number: 4378	2. Status Change Date: 3-15-2021	3. Change Num: C2	4. Field Office: 4	5. GMD: 3
--------------------------------	--	-----------------------------	------------------------------	---------------------

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: 1/29/2021
--	---

8a. Landowner, correspondent New to system <input type="checkbox"/> Person ID 28519 Add Seq# _____ MICHAEL A GASKILL 12404 SE 174TH LOOP SUMMERFIELD, FL 34491-1816	8c. Landowner(s) New to system <input type="checkbox"/> Person ID _____ Add Seq# _____
--	--

8b. Landowner(s) New to system <input type="checkbox"/> Person ID 67703 Add Seq# _____ MICHAEL A GASKILL 12404 SE 174TH LOOP SUMMERFIELD, FL 34491-1816	8d. WUC New to system <input type="checkbox"/> Person ID _____ Add Seq# _____
--	---

9. Documents and Enclosure(s): DWR Meter(s) Date to Comply: **12/31/2021** N & P Date to Comply: **3/1/2022**

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: **3/15/2021** By: **MAM**
 Date Entered: _____ By: _____

File No. **4378** 11. County: SV Basin: **CIMARRON RIVER** Stream: Formation Code: **211** Special Use:

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

DEL 40111

ENT NENESW 27 31S 35W 2493 2846 815 640 815 640 NONE

NOTE REDUCTION IN RATE

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 11317																				
CHK 23962																				
CHK 27542																				

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 15, 2021

MICHAEL A GASKILL
12404 SE 174TH LOOP
SUMMERFIELD, FL 34491-1816

RE: Water Right, File No. 4378

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 the approval for change. A condition of the 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, appearing to read "Michael A. Meyer".

Michael A. Meyer
Water Commissioner

MAM
enclosures
pc: Pal Tree Farms LLC
GMD3

CERTIFICATE OF SERVICE

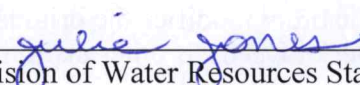
On this 15th day of March 2021, I hereby certify that the foregoing Approval of Application for Change in Point of Diversion, Water Right, File No. 4,378 dated 15th day of March 2021 was mailed postage prepaid, first class, US mail to the following:

MICHAEL A GASKILL
12404 SE 174TH LOOP
SUMMERFIELD, FL 34491-1816

Pc:

PAL TREE FARMS LLC
12404 SE 174TH LOOP
SUMMERFIELD, FL 34491-1816

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. 4378

RECEIVED
 1:20 pm
 JAN 29 2021

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

Place of Use Point of Diversion

Garden City Field Office
 Division of Water Resources

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

The source of supply is: Groundwater Surface water

2. Name and address of Applicant: MICHAEL A GASKILL

12404 SE 174TH LOOP SUMMERFIELD FL 34491-1816

Phone Number: (620) 482-1250 Email address: g45kills@hotmail.com

Name and address of Water Use Correspondent: SAME AS ABOVE

Phone Number: (620) 482-1250 Email address: g45kills@hotmail.com

3. 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.)

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 1-29-21 Check # 200.00

8733

keep

I AGREE TO REDUCE Rate at 815 GPM *Mike Embell

3-12-21

5. Presently authorized point of diversion:

One in the SW Quarter of the NW Quarter of the SW Quarter of Section 27, Township 31 South, Range 35 (W), in STEVENS County, Kansas, feet North feet West of Southeast corner of section. Authorized Rate 1125 GPM Authorized Quantity 640 AF Depth of well (feet) (DWR use only: Computer ID No. 01 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 NE Quarter of the NE Quarter of the SW Quarter of Section 27, Township 31 South, Range 35 (W), in STEVENS County, Kansas, 2493 feet North 2753 2846 feet West of Southeast corner of section. Proposed Rate 815 GPM Proposed Quantity 640 AF Proposed well depth (feet) 580'

This point is: Additional Well Geo Center List other water rights that will use this point

* 2600' apart - min/over * 2493' North * 2846' West

6. Presently authorized point of diversion:

One in the Quarter of the Quarter of the Quarter of Section , Township South, Range (E/W), in County, Kansas, feet North feet West of Southeast corner of section. Authorized Rate Authorized Quantity Depth of well (feet) (DWR use only: Computer ID No. GPS feet North feet West)

This point will not be changed This point will be changed as follows: 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)

Well needs replaced
was not drilled deep enough
and runs out of water

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

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

6-1-21

10. If the point of diversion is a well:

(a) What are you going to do with the old well?

Plug it

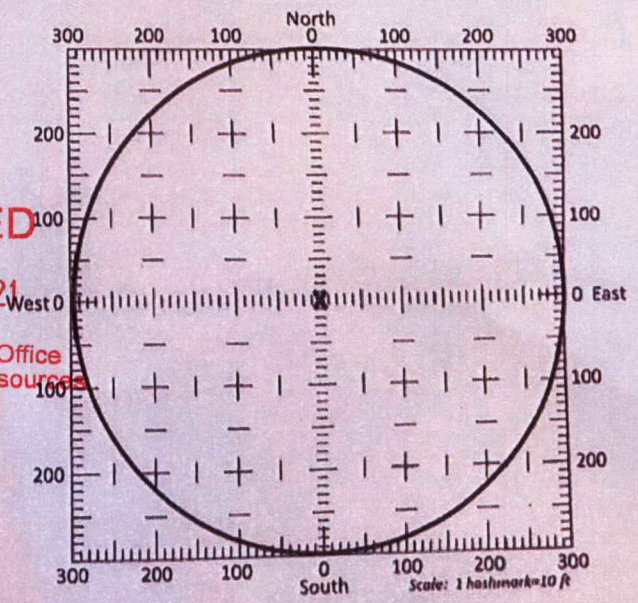
(b) When will this be done? 6-1-21

11. Groundwater Management District recommendation attached?

Yes No

12. Assisted by AM / 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.)

RECEIVED
MAR 12 2021
Garden City Field Office
Division of Water Resources

see attached

5. **Presently authorized point of diversion:**
 One in the SW Quarter of the NW Quarter of the SW Quarter of Section 27, Township 31 South, Range 35 (W), in STEVENS 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. 01 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 NE Quarter of the NE Quarter of the SW Quarter of Section 27, Township 31 South, Range 35 (W), in STEVENS County, Kansas, 2493 feet North 2733 2846 feet West of Southeast corner of section. Proposed Rate -- Proposed Quantity -- Proposed well depth (feet) 580'
 This point is: Additional Well Geo Center List other water rights that will use this point _____

* 2600' apart - mm/dwr * 2493' North * 2846' West

6. **Presently authorized point of diversion:**
 One in the _____ Quarter of the _____ Quarter of the _____ Quarter of Section _____, Township _____ South, Range _____ (E/W), in _____ County, Kansas, _____ feet North _____ feet West of Southeast corner of section. Authorized Rate _____ Authorized Quantity _____ Depth of well _____ (feet)
(DWR use only: Computer ID No. _____ GPS _____ feet North _____ feet West)
 This point will not be changed This point will be changed as follows: 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) Well needs replaced
was not drilled deep enough
and run out of water

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

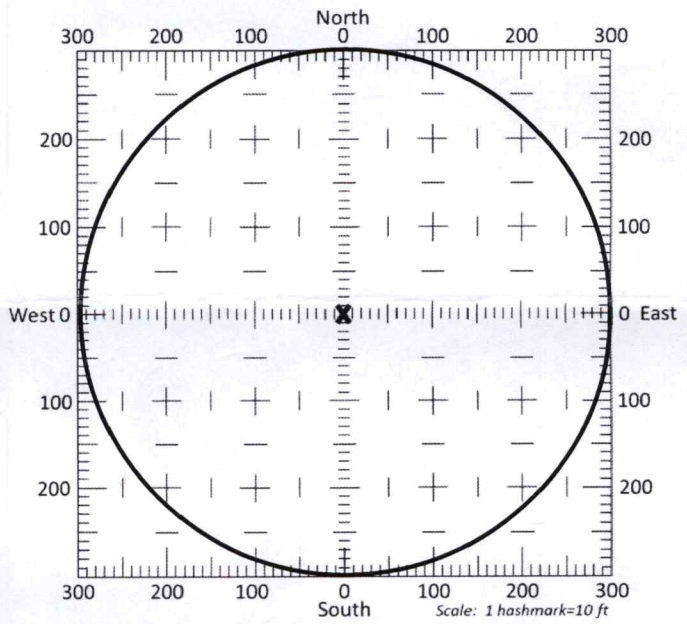
9. The change(s) (was)(will be) completed by? 6-1-21

10. If the point of diversion is a well:
 (a) What are you going to do with the old well? Plug it
 (b) When will this be done? 6-1-21

11. Groundwater Management District recommendation attached? Yes No

12. Assisted by AM / 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.)**

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 Summerfield, FL, Kansas, this 25 day of Jan, 2021.

Michael Gaskill
(Owner)

Janice Gaskill
(Spouse)

MICHAEL GASKILL
(Please Print)

Janice GASKILL
(Please Print)

(Owner)

(Spouse)

(Please Print)

(Please Print)

(Owner)

(Spouse)

(Please Print)

(Please Print)

State of Florida
~~Kansas~~ } SS
County of LAKE

I hereby certify that the foregoing application was signed in my presence and sworn to before me this 25 day of January, 2021.



Hannah Bunker
Notary Public

My Commission Expires Oct. 26, 2024

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

4378

File No. _____

Any use of water that is not as authorized by the water right or permit to authorize water **before** the chief engineer approves this application is a violation of the Kansas Water Appropriation Act for which criminal or civil penalties may be assessed. Such violation is a class C misdemeanor, punishable by a fine not to exceed \$500 and/or a term of confinement not to exceed one month in the county jail. K.S.A. 82a-728(b). Civil penalties shall be not less than \$100 nor more than \$1,000 per violation. In the case of a continuing violation, each day such violation continues may be deemed a separate violation. In addition to these penalties the water right may be modified or suspended. K.S.A. 82a-737, as amended.

The application must be signed by all owners of the place of use authorized under the water right and his or her spouse, if married. Please indicate if there is no spouse. If land is being purchased under contract, the seller must sign as landowner until such time as the contract is completed.

In the event that all applicants cannot appear before one notary public, they may as necessary sign separate copies of the application before any notary public conveniently available to them. All copies signed in this manner shall be considered to be valid parts of the application.

If the request is signed on behalf of any Owner by someone with legal authority to do so (for example, an agent, one who has power of attorney, or an executor, executrix, conservator), it will be necessary to attach proper documents showing such authority.

I declare that I am an owner of the currently authorized place of use as identified herein, or that I represent all such owners and am authorized to make this application on their behalf, and declare further that the statements contained herein are true, correct, and complete. By filing this application I authorize the chief engineer to permanently reduce the quantity of water and/or rate of diversion as specified in sections 14 and 15 of this application.

Dated at Lady Lake, Florida, Kansas, this 3 day of February, 2021.

Michael Gaskill
(Owner)

Janice Gaskill
(Spouse)

MICHAEL GASKILL
(Please Print)

JANICE GASKILL
(Please Print)

(Owner)

(Spouse)

(Please Print)

(Please Print)

(Owner)

(Spouse)

(Please Print)

(Please Print)

State of Florida }
~~Kansas~~ } SS
County of Lake }

I hereby certify that the foregoing application was signed in my presence and sworn to before me this 3rd day of February, 2021.

My Commission Expires August 17, 2024.



Racquel Flowers
Notary Public

FEE SCHEDULE

Each application to change the place of use, the point of diversion or the use made of the water under this section shall be accompanied by the application fee set forth in the schedule below:

- (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
- (4) Application to change the use made of the water \$300

Make check payable to Kansas Department of Agriculture.

ADDITIONAL CONDITIONS TO
SUMMARY ORDER APPROVING APPLICATION FOR CHANGE
AND IMPOSING CONDITIONS,
Water Right, File Nos. 4,378

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

This order effectively reduces the authorized maximum rate of diversion to a rate not to exceed 8155 gallons per minute (1.81 c.f.s.) from the authorized point of diversion described herein.

By: *Michael A. Meyer*
(Duly Authorized Designee of the Chief Engineer)

(Print Name): MICHAEL A. MEYER
Division of Water Resources Kansas Department of Agriculture

Dated of Issuance: March 15, 2021

State of Kansas)
) SS
County of Finney)

Acknowledged before me on the 15th day of March 2021

By Michael A. Meyer

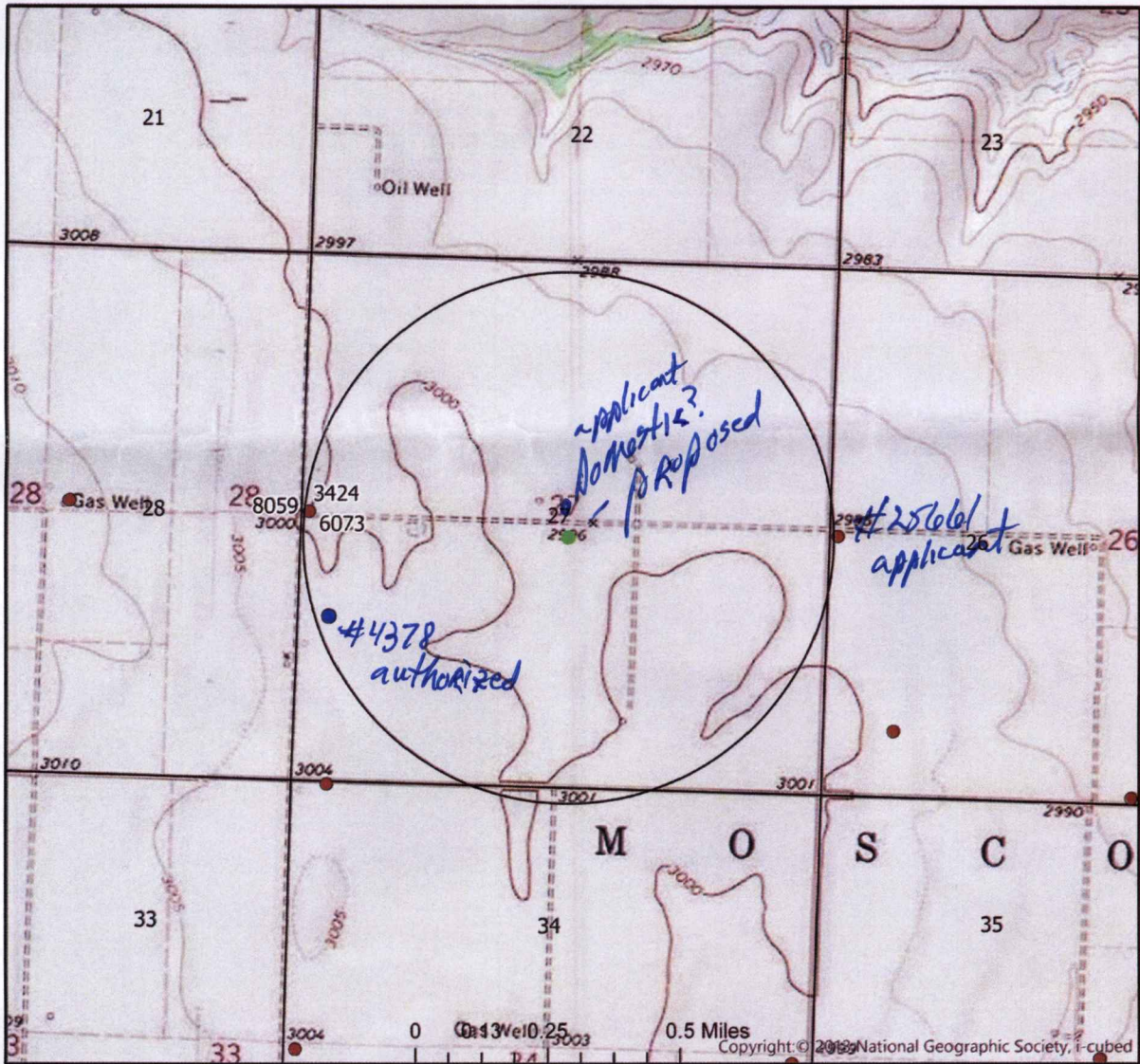
Signature *Julie Jones*
Notary Public

My Commission expires:



CHANGE IN POINT OF DIVERSION WATER RIGHT, FILE NO. 4378

SW1/4 of Section 27 Township 31 South Range 35 West Stevens County



- Authorized Point of Diversion
- Proposed Point of Diversion
- Permitted Water Right
- ★ Domestic Well within 1/2 mile
- 1/2 mile buffer

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

WR# 3424; 6073; 8059:
 JAMES W & ANNE CULLISON
 PO BOX 367
 SATANTA, KS 67870-0367



By signing below I agree that all wells, including domestic, and owners names and addresses within 1/2 mile of the proposed point of diversion have been shown on the map

Mike Gunkel 1/26/21
 (Signature) Date

AM/GCFO
 1:18,000 Scale

2-1-2021 - spoke to Jim Cullison - no objection to proposal. No need to send letter.
 mm/pwr
 3/3

J7-T315-K35W

Sec. _____ Blk _____

Survey _____ Co. STEVENS

N. 37.32169° W. -101.11408°

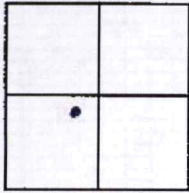


Hydro
resources

No. 28276

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

Thomas L Lahey
MIKE GAIKILL



Test Waterwell

DATE 2/18/21

NO. 4-21

FROM	TO	DESCRIPTION	SAND
0	140	top soil + Brown and pink clay	
140	280	fine, med + coarse sand w/ Gravel strips + clay strips	
280	320	Brown and Gray Clay	
320	340	fine, med and coarse sand w/ clay strips	
340	360	fine, med + coarse fairly tight sand w/ clay strips	16
360	380	fine to med fairly loose sand w/ coarse sand strips + clay strips	15
380	400	fine, med + coarse fairly loose sand w/ Gravel	20
400	420	fine, med + coarse fairly loose sand w/ Gravel to med fine tight sand w/ clay strips	13
420	440	fine to med fine little tight sand w/ tight sand, stone strips ^{14 sand} _{6 stone}	20
440	460	fine fairly tight to tight sand	20
460	480	fine little tight to tight sand w/ clay strips	17
480	500	fine fairly tight to tight sand w/ Red clay strips	18
500	520	fine tight sand w/ clay strips to Red clay	11
520	540	Red clay w/ shale strips	
		1 drag bit	
		1/2 SK HULLS.	
		1/8 SKGBHV	

used some water

RECEIVED

FEB 22 2021

2493' x 2846'

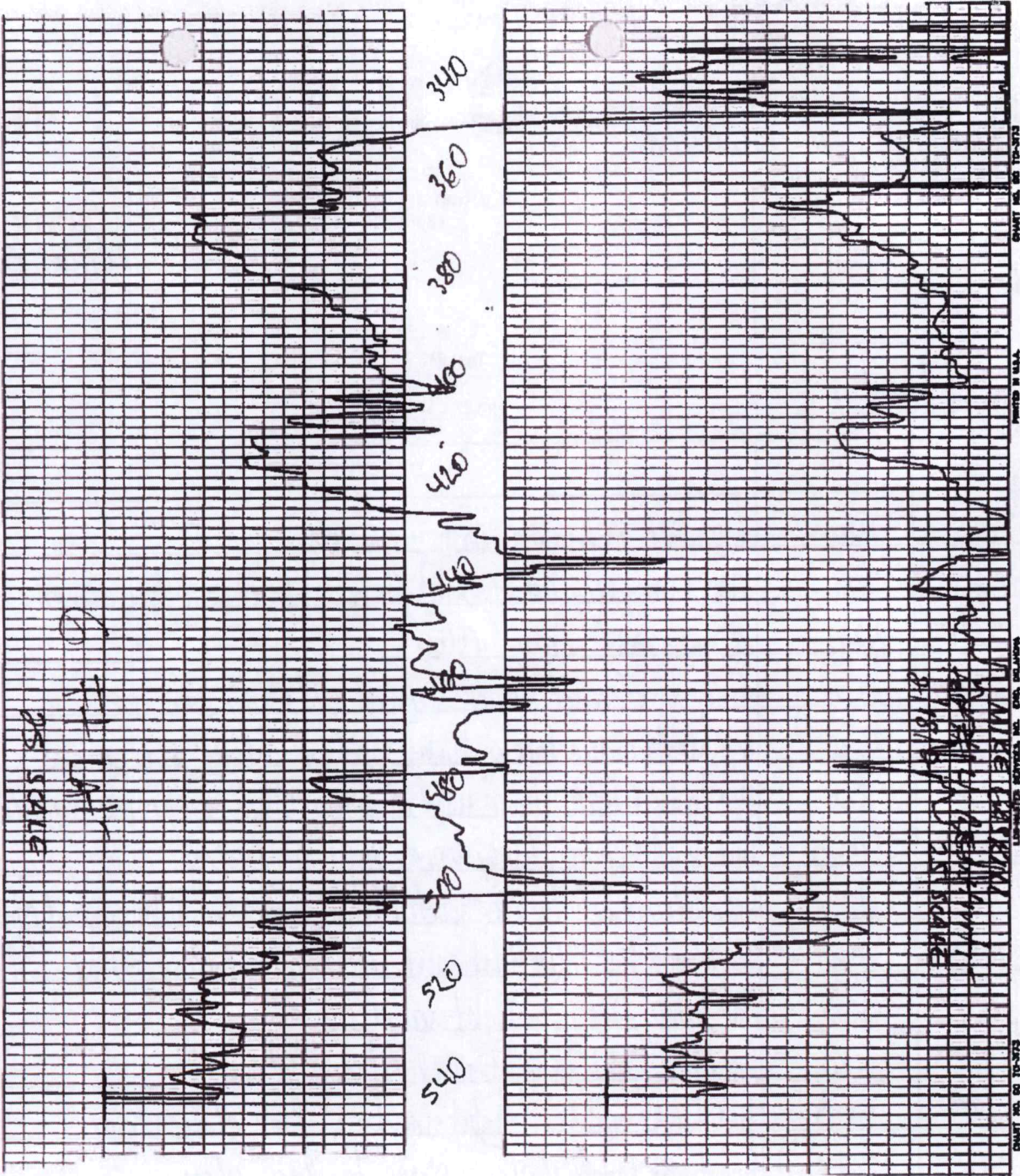


CHART NO. 66 10-573

MADE IN U.S.A.

LIBROPHYS SERVICES, INC. CHICAGO, ILLINOIS

CHART NO. 66 10-573

RECEIVED

FEB 22 1967

Department of Health, Education & Welfare
 Division of Health Care Services
 Washington, D.C. 20452

D. Engelhaupt
3/10/2020

This analysis of change in point of diversion, File No. 4,378

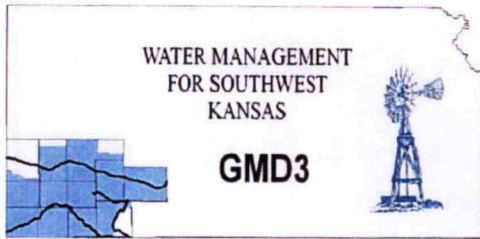
A fifty-year This analysis was used to evaluate the potential impacts of a change in point of diversion, File No. 4,378. The change proposes relocating one well approximately 2,300 feet east-northeast of its current location. The projected 2068 transmissivity (3,746 ft²/day) and saturated thickness (106 feet) from the GMD No. 3 groundwater model for Section 27, Township 31 South, Range 35 West were used. The specific storage was assumed to be 10⁻⁵, which resulted in an assumed storage coefficient of 0.00106. Maximum drawdown at File No. 25,661 under the proposed pumping scenario was compared to the average pumping over the past ten years (156 acre-feet) at the current location at the recent pumping rate of 200 gallons per minute. With these assumptions the drawdown at File No. 25,661 increases by 23.95 feet, which is 22.6% of the projected saturated thickness (Table 1). If the proposed pump rate is reduced to 950 gallons per minute the net drawdown increases by 21.14 feet, or 19.9% of the projected saturated thickness (Table 2).

Table 1: This analysis of drawdown at File No. 25,661; T = 3,746 ft²/day; S = 0.00106; 1,125 GPM

Scenario	Distance (Feet)	Quantity (Acre-Feet)	Rate (GPM)	Drawdown (Feet)	Drawdown (%ST)
Proposed	2,932	640	1,125	28.85	27.21%
Baseline	5,150	156	200	4.89	4.62%
			Net:	23.95	22.60%

Table 2: This analysis of drawdown at File No. 25,661; T = 3,746 ft²/day; S = 0.00106; 950 GPM

Scenario	Distance (Feet)	Quantity (Acre-Feet)	Rate (GPM)	Drawdown (Feet)	Drawdown (%ST)
Proposed	2,932	640	950	26.03	24.56%
Baseline	5,150	156	200	4.89	4.62%
			Net:	21.14	19.94%



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

March 4, 2021

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 No. 4378

Dear Mike:

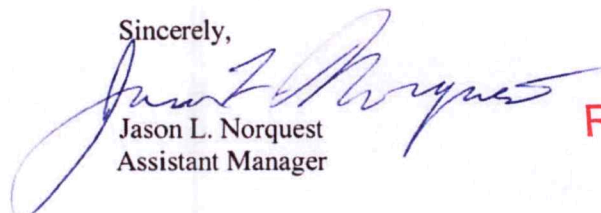
We have completed a review of the application for the above referenced water right. The proposed change in point of diversion is in accordance with current area rules, K.A.R. 5-23-3, as it pertains to distance moved and minimum spacing to neighboring wells.

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 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. 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 several of the neighboring wells exceeded the net effect above the maximum allowable threshold. Our office and DWR received only comments of no concern from neighboring well owners. The main effects is to wells operated by the applicant, which at this time he does not utilize. Our analysis shows any effects could be mitigated in the rate is held to 815gpm, which according to applicant is probably more than the well will sustain or what he would use. GMD3 sees this move as reasonable and therefore recommend that the application be approved with limitation on the rate of 815gpm. 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,

A handwritten signature in blue ink, appearing to read "Jason L. Norquest", is written over the typed name and title.

Jason L. Norquest
Assistant Manager

RECEIVED

MAR 04 2021

Garden City Field Office
Division of Water Resources

GMD3 Change Review

File No(s): 4378. DWR office: GC.

App filed to change: PD.

Is Landowner(s) correct in WRIS: Michael Gaskill.

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		
Proposed PD		
Difference	0	0
a2 + b2 = c2	0	0
		0

GPS for proposed PD: Lat: 37.32169 Long: -101.11408.

Is proposed PD stacking on existing WRs? No.

Is Proposed PU overlapping existing WRs? No Change.

Neighboring certified well(s) notified: .

Name James & Anne Cullison (3424 & 6073) He had no concern according to DWR.

Address PO Box 367.

Zip Satanta, KS 67870.

Email: . Phone: .

Name Kent Dunn (11070).

Address 25923 Road A.

Zip Moscow, KS 67952.

Email: . Phone: .

Domestic well(s) notified: .

Name .

Address .

Zip .

Base Acres: .

Perfected Acres: .

Irr. Return-Flow %

Base Right authorized 640AF @ 1125gpm (2300' spacing minimum)

GMD3 inspection in 2020, well not running. 2012 inspection showed 514gpm.

No recent rate reported on WUR.

2010-2019 average reported use: 144.4AF/year (couple years of real low use)

RECEIVED

MAR 04 2021

Garden City Field Office
Division of Water Resources

GMD3 Change Review

Is a waiver needed: Move is less than half mile and minimum spacing appears met. One of the neighbors had already said they have no concerns with the application when application was submitted. The other neighboring well owner contacted our office stating he had talked to the applicant and also does not have any concerns with it.

Recommendation: After review of all available information, it appears current area rules are met. Analysis shows that there could be effect to neighboring wells that can be managed by limiting the rate to 815gpm, which is more than the applicant plans to operate. None of the neighboring well owners had concerns. Staff therefore recommends approval.



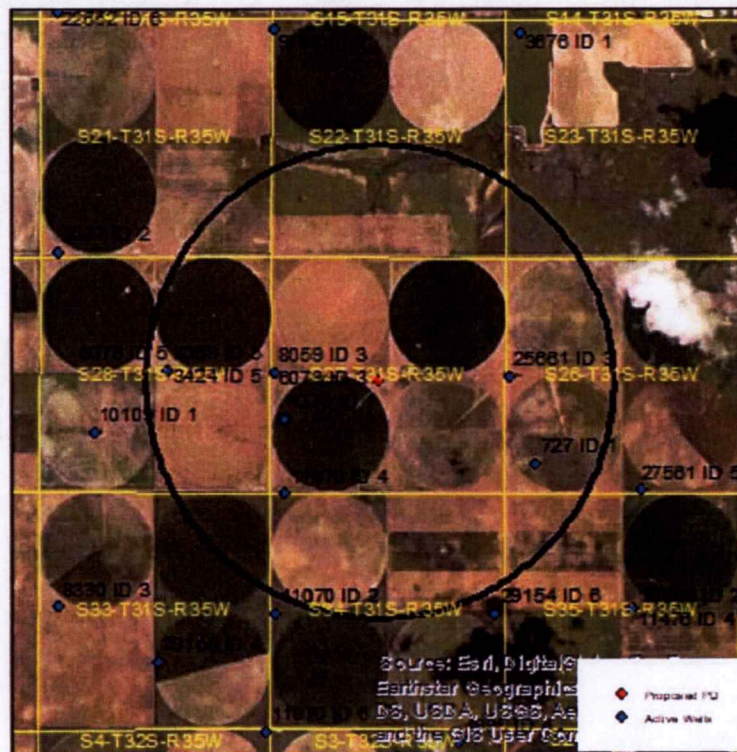
RECEIVED

MAR 04 2021

Garden City Field Office
Division of Water Resources

Evaluation of proposed move for Water Right No. 4378

Proposed: Move water right no. 4378 to a new well location a distance of 2,298 ft to the northeast.



Wells within 1 mile: 3424 & 6073 & 8059 ID 3, 11070, 3424 & 6073 & 8059 ID 5, 25661, and 727.

The saturated thickness at the proposed well location is estimated to be 181 ft, based upon the driller's log and an observation well in section 21-31-35. For saturated thickness between 150 ft and 200 ft, the drawdown allowance is 3.5 ft.

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

$S = 0.2049$, $T = 5513.4 \text{ ft}^2/\text{day}$, $t_{\text{current}} = 64 \text{ days}$ (based on observed rate and reported use),
 $Q_{\text{current}} = 514 \text{ gpm}$ (based on 2012 inspection), $t_{\text{proposed}} = 129 \text{ days}$, $Q_{\text{proposed}} = 1125 \text{ gpm}$

Theis drawdowns were calculated as follows:

3424 & 6073 & 8059 ID3: Drawdown from current location = 3.05 ft

Drawdown from proposed location = 6.81 ft

Net drawdown = 3.8 ft

11070: Drawdown from current location = 2.15 ft

Drawdown from proposed location = 5.56 ft

Net drawdown = 3.4 ft

RECEIVED
 MAR 9 4 2012
 GARDEN CITY
 DIVISION OF WATER RESOURCES

3424 & 6073 & 8059 ID5: Drawdown from current location = 1.42 ft

Drawdown from proposed location = 4.45 ft

Net drawdown = 3.0 ft

25661: Drawdown from current location = 0.96 ft

Drawdown from proposed location = 5.97 ft

Net drawdown = 5.0 ft

727: Drawdown from current location = 0.90 ft

Drawdown from proposed location = 4.92 ft

Net drawdown = 4.0 ft

Net drawdown exceeds the drawdown allowance of 3.5 ft for water right nos. 3424 & 6073 & 8059 ID 3, 25661, and 727. Critical well analysis is necessary for those wells.

Critical Well Evaluation:

3424 & 6073 & 8059 ID 3:

Water Column = 181 ft

DP = 3.8 ft (Net drawdown from the proposal indicated above)

DE = 43.7 ft (Water level decline from 2021 through 2046 based upon GMD3 model)

DD = 45.1 ft (S = 0.2049, T = 41,240 gpd/ft, Q = 717 gpm, tp = 129 days, efficiency = 70%)

DT = 92.6 ft

Economic Drawdown Constraint (EDC) = $0.4 * 181 \text{ ft} = 72.4 \text{ ft}$

Physical Drawdown Constraint (PDC) = $181 \text{ ft} - 60 \text{ ft} = 121 \text{ ft}$

Total drawdown of 92.6 ft is greater than the EDC, so this well is **critical**.

RECEIVED

MAR 04 2021

Garden City Field Office
Division of Water Resources

25661:

Water Column = 182 ft

DP = 5.0 ft (Net drawdown from the proposal indicated above)

DE = 40.5 ft (Water level decline from 2021 through 2046 based upon GMD3 model)

DD = 20.1 ft (S = 0.1625, T = 122,235 gpd/ft, Q = 894 gpm, tp = 87 days, efficiency = 70%)

DT = 65.6 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 65.6 ft is less than the EDC and PDC, so this well is **not critical**.

727:

Water Column = 181 ft

DP = 4.0 ft (Net drawdown from the proposal indicated above)

DE = 40.5 ft (Water level decline from 2021 through 2046 based upon GMD3 model)

DD = 15.9 ft (S = 0.1625, T = 122,235 gpd/ft, Q = 689 gpm, tp = 140 days, efficiency = 70%)

DT = 60.4 ft

Economic Drawdown Constraint (EDC) = $0.4 * 181 \text{ ft} = 72.4 \text{ ft}$

Physical Drawdown Constraint (PDC) = $181 \text{ ft} - 60 \text{ ft} = 121 \text{ ft}$

Total drawdown of 60.4 ft is less than both the EDC and PDC, so this well is **not critical**.

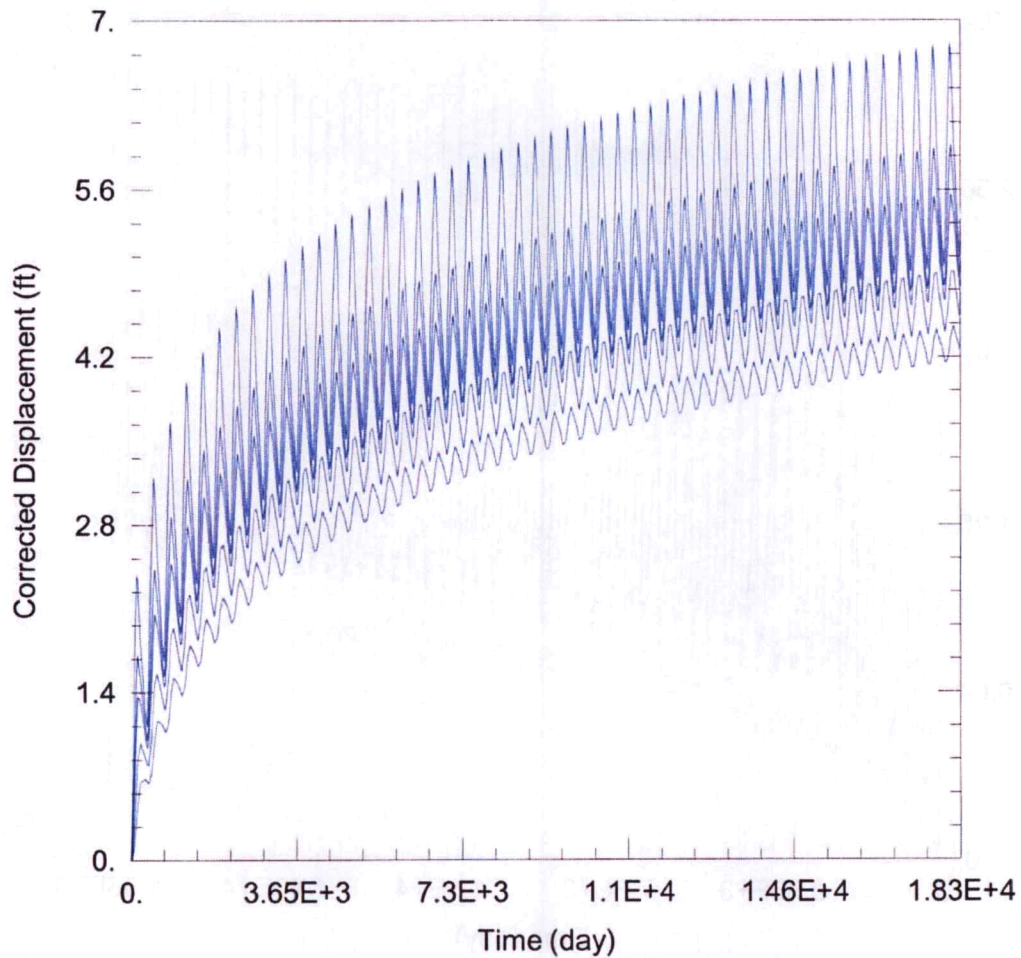
Conclusion:

The proposed move is located near a critical well and if operated as proposed is likely to create a noticeable effect. GMD3 recommends mitigating this well to well effect by limiting the proposed well to a rate of 815 gpm. This would reduce the effect on the well authorized under water right nos. 3424 & 6073 & 8059 ID 3 to 3.5 ft.

RECEIVED

MAR 04 2019

Golden City Field Office
Division of Water Resources



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2021_Moves\4378\4378 Proposed.aqt
 Date: 02/24/21 Time: 15:59:49

PROJECT INFORMATION

Company: GMD 3
 Project: 4378
 Location: Stevens County
 Test Well: 4378

RECEIVED

MAR 04 2021

Garden City Field Office
 Division of Water Resources

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
4378	-91495	162791

Observation Wells

Well Name	X (ft)	Y (ft)
□	-91495	162791
□ 3424 & 6073 & 8059	-93856	162974
□ 11070	-93603	160260
□ 6073 & 8059	-96249	163015
□ 25661	-88563	162872
□ 727	-87959	160940

SOLUTION

Aquifer Model: Unconfined

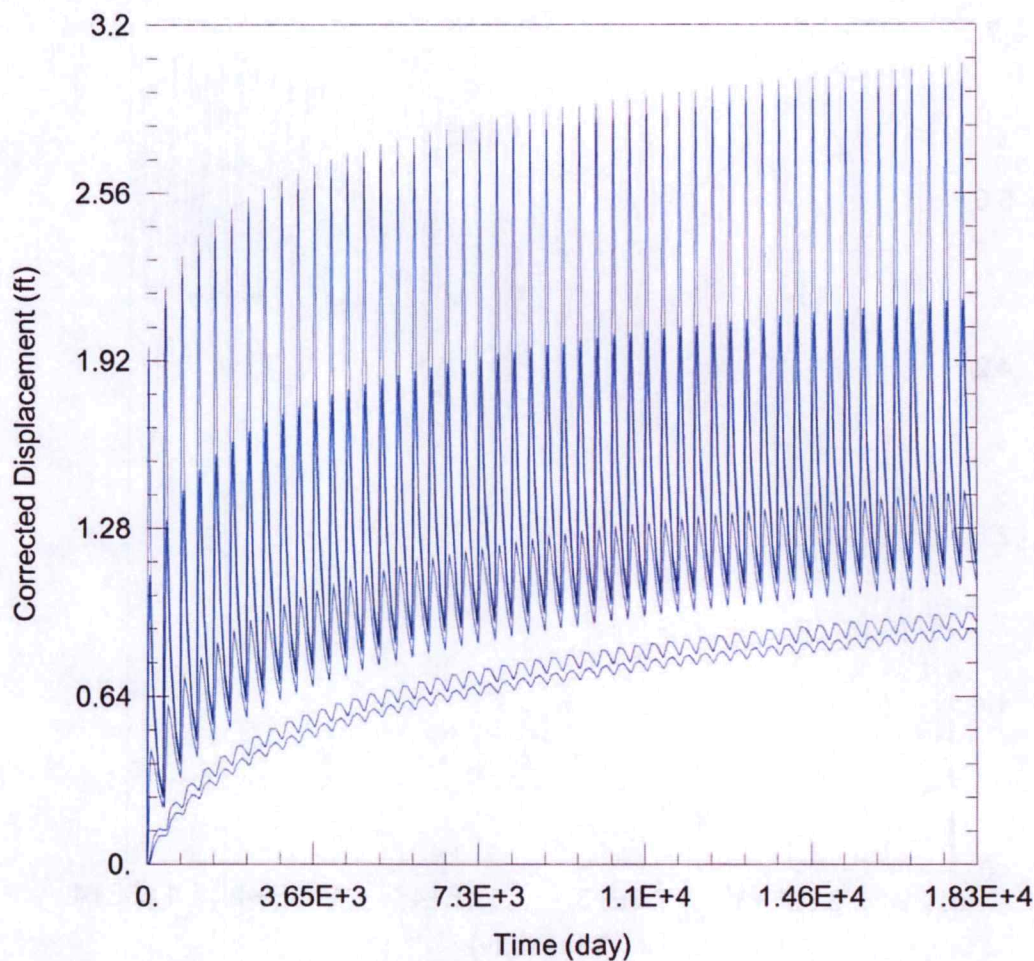
Solution Method: Theis

T = 5513.4 ft²/day

S = 0.2049

Kz/Kr = 1.

b = 181. ft



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2021_Moves\4378\4378 Current.aqt
 Date: 02/24/21 Time: 15:59:55

PROJECT INFORMATION

Company: GMD 3
 Project: 4378
 Location: Stevens County
 Test Well: 4378

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
4378	-93627	161931

Observation Wells

Well Name	X (ft)	Y (ft)
□	-93627	161931
□ 3424 & 6073 & 8059	-93856	162974
□ 11070	-93603	160260
□ 6073 & 8059	-96249	163015
□ 25661	-88563	162872
□ 727	-87959	160940

SOLUTION

Aquifer Model: Unconfined

Solution Method: Theis

T = 5513.4 ft²/day
 Kz/Kr = 1.

S = 0.2049
 b = 181. ft

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

2493 Feet N and 2846 Feet W of the Southeast Corner of Section 27 Twp 31S Rng 35W
Located at: 101.114079 West Longitude and 37.321690 North Latitude
Both SURFACE WATER and GROUNDWATER

2300' or All

File Number	Use	ST	SR	Dist (ft)	Q4	Q3	Q2	Q1	FeetN	FeetW	Sec	Twp	Rng	ID	Batt	Auth_Quan	Add_Quan		
A__ AF	727	00	IRR	NK	G	3991	✓	--	--	--	660	4620	26	31	35W	1	640.00	640.00	
A__ AF	3424	00	IRR	NK	G	2368	✓	--	SW	SW	NW	2670	5199	27	31	35W	3	960.00	960.00
Same						4760	✓	--	SW	SW	NE	2717	2294	28	31	35W	5		
A__ AF	4378	00	IRR	NK	G*	2299	✓	--	SW	NW	SW	-----	-----	27	31	35W	1	640.00	640.00
A__ AF	6073	00	IRR	NK	G	2368	✓	--	SW	SW	NW	2670	5199	27	31	35W	3	614.00	614.00
Same						4760	✓	--	SW	SW	NE	2717	2294	28	31	35W	5		
A__ AF	8059	00	IRR	NK	G	2368	✓	--	SW	SW	NW	2670	5199	27	31	35W	3	26.00	26.00
Same						4760	✓	--	SW	SW	NE	2717	2294	28	31	35W	5		
A__ AF	11070	00	IRR	NK	G	3294	✓	--	NW	NW	NW	5217	4946	34	31	35W	4	640.00	463.00
A__ AF	25661	00	IRR	NK	G	2932	✓	--	NW	NW	SW	2591	5225	26	31	35W	3	960.00	320.00

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) =	3663.00	.00
Total Vested Amount (AF) =	.00	.00
TOTAL AMOUNT (AF) =	3663.00	.00

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:

2493 Feet North and 2846 Feet West of the Southeast Corner of Section 27 Twp 31S Rng 35W
Located at: 101.114079 West Longitude and 37.321690 North Latitude
Both SURFACE WATER and GROUNDWATER
WATER USE CORRESPONDENTS:

- File Number Use ST SR
- > MICHAEL A GASKILL
- >
- > 12404 SE 174TH LOOP
- > SUMMERFIELD FL 34491
-
- > JAMES W & ANNE CULLISON
- >
- > PO BOX 367
- > SATANTA KS 67870
-
- > MICHAEL A GASKILL
- >
- > 12404 SE 174TH LOOP
- > SUMMERFIELD FL 34491
-
- > JAMES W & ANNE CULLISON
- >

727

3424

4378 Change App

RECEIVED

MAR 04 2021

Garden City Field Office
Division of Water Resources

> PO BOX 367
> SATANTA KS 67870

6073

> JAMES W & ANNE CULLISON

>
> PO BOX 367
> SATANTA KS 67870

8059

> KENT DUNN
> 1123.82 ACRE FARM UNIT
> 25923 ROAD A
> MOSCOW KS 67952

11070

> MICHAEL A GASKILL
>
> 12404 SE 174TH LOOP
> SUMMERFIELD FL 34491

25600

=====

RECEIVED
MAR 04 2021
Garden City Field Office
Division of Water Resources

Meyer, Mike [KDA]

From: Meyer, Mike [KDA]
Sent: Monday, February 22, 2021 1:17 PM
To: 'Norquest, Jason (Norquest@gmd3.org)'
Subject: request for recommendation, File No. 4378
Attachments: 20210222130000729.pdf

jason, attached is a request for a recommendation for a change in point of diversion for file No. 4378 filed by Michael Gaskill, the move is within 2640', please review and provide a recommendation within the next 15 days.

thank you.

Mike

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
Laura Kelly, Governor

Mike Beam, Secretary

February 22, 2021

SOUTHWEST KANSAS GROUNDWATER
MANAGEMENT DISTRICT NO. 3
2009 E SPRUCE ST
GARDEN CITY KS 67846

Re: Water Right, File No. 4378

Dear Mr. Norquest:

This is to advise you that Michael Gaskill has filed an application for approval of the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, to change the point of diversion.

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,

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

Michael A. Meyer
Water Commissioner

MAM
Enclosures