

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

1. File Number: 17668	2. Status Change Date: 2-14-19	3. Change Num: C2	4. Field Office: 04	5. GMD: 03
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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: 1/31/2019
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8a. Applicant, Landowner New to system <input type="checkbox"/> Person ID 64148 Add Seq# 2 GREEN PLAINS CATTLE CO LLC 19016 ROAD I KISMET KS 67859-6026	8c. WUC New to system <input type="checkbox"/> Person ID _____ Add Seq# _____ 8a
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8b. Landowner(s) New to system <input type="checkbox"/> Person ID _____ Add Seq# _____ 8a	8d. WUC New to system <input type="checkbox"/> Person ID _____ Add Seq# _____
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9. Documents and Enclosure(s): DWR Meter(s) Date to Comply: **12/31/19** N & P Date to Comply: **12/31/2019**

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: **2/13/2019** By: **AM**
 Date Entered: _____ By: _____

File No. **17668** 11. County: **SW** Basin: **CIMARRON RIVER** Stream: Formation Code: **200** Special Use:

CHK MOD DEL ENT	12. Points of Diversion									Rate and Quantity				
	PDIV	Qualifier	S	T	R	ID	'N	'W	Comment (AKA Line)	Authorized		Additional		Overlap PD Files
										Rate gpm	Quantity af	Rate gpm	Quantity af	
MOD	17225	NC W2 NE	17	32S	33W	1	3800	2100		855	310	855	310	
MOD	51631	SW NW SE	17	32S	33W	2	1450	2100		895	135	895	135	

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 _____

CHK MOD DEL ENT	16. Place of Use				NE¼				NW¼				SW¼				SE¼				Total	Owner	Chg?	Overlap Files	
	PUSE	S	T	R	ID	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	24034																							8a	

Base Acres: Year: Minimum Reasonable Quantity:

Comments:

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



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

Mike Beam, Interim Secretary

Laura Kelly, Governor

February 14, 2019

GREEN PLAINS CATTLE CO LLC
19016 ROAD I
KISMET KS 67859-6026

RE: Water Right, File No. 17668

Dear Sir:

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

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

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

Sincerely,

A handwritten signature in blue ink, appearing to read "Michael A. Meyer".

Michael A. Meyer
Water Commissioner

MAM:
enclosures

pc:

GROUNDWATER MANAGEMENT DISTRICT NO. 3


CERTIFICATE OF SERVICE

On this 14th day of February, 2019, I hereby certify that the foregoing Approval of Application for Change in Point of Diversion, Water Right, File No. 17,668, dated 14th day of February, 2019 was mailed postage prepaid, first class, US mail to the following:

GREEN PLAINS CATTLE CO LLC
19016 ROAD I
KISMET KS 67859-6026

With photocopies to:

GROUNDWATER MANAGEMENT DISTRICT NO. 3



Division of Water Resources Staff

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

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

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



STATE OF KANSAS

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

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

 File No. 17668

RECEIVED
 10:06 Am
 JAN 31 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: GREEN PLAINS CATTLE CO LLC
19016 KISMET, KS. 67859

Phone Number: (620)624-6296 Email address: _____

Name and address of Water Use Correspondent: GREEN PLAINS CATTLE CO LLC
19016 KISMET, KS. 67859

Phone Number: (620)624-6296 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	
17	32	33W	10	38	38	9	20			20	28			18	5	39	24	23	272

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

Owner of Land ---- NAME: NO CHANGE

ADDRESS: _____

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

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 1-31-19 Check # 604000018

5. **Presently authorized point of diversion:**
 One in the NC Quarter of the W2 Quarter of the NE Quarter
 of Section 17, Township 32 South, Range 33 (W),
 in SW County, Kansas, 3800 feet North 2100 feet West of Southeast corner of section.
 Authorized Rate 855 GPM Authorized Quantity 210 AF Depth of well (feet)
 (DWR use only: Computer ID No. 1 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 NC Quarter of the W2 Quarter of the NE Quarter
 of Section 17, Township 32 South, Range 33 (W),
 in SW County, Kansas, 3800 feet North 2100 feet West of Southeast corner of section.
 Proposed Rate 855 ~~895~~ GPM Proposed Quantity 310 ~~210~~ AF Proposed well depth (feet) .
 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 SW Quarter of the NW Quarter of the SE Quarter
 of Section 17, Township 32 South, Range 33 (W),
 in SW County, Kansas, 1450 feet North 2100 feet West of Southeast corner of section.
 Authorized Rate 895 GPM Authorized Quantity 235 AF Depth of well (feet)
 (DWR use only: Computer ID No. 2 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 SW Quarter of the NW Quarter of the SE Quarter
 of Section 17, Township 32 South, Range 33 (W),
 in SW County, Kansas, 1450 feet North 2100 feet West of Southeast corner of section.
 Proposed Rate 875 ~~895~~ GPM Proposed Quantity 135 ~~235~~ AF 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) SWAP QTYS. & RATE.

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

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

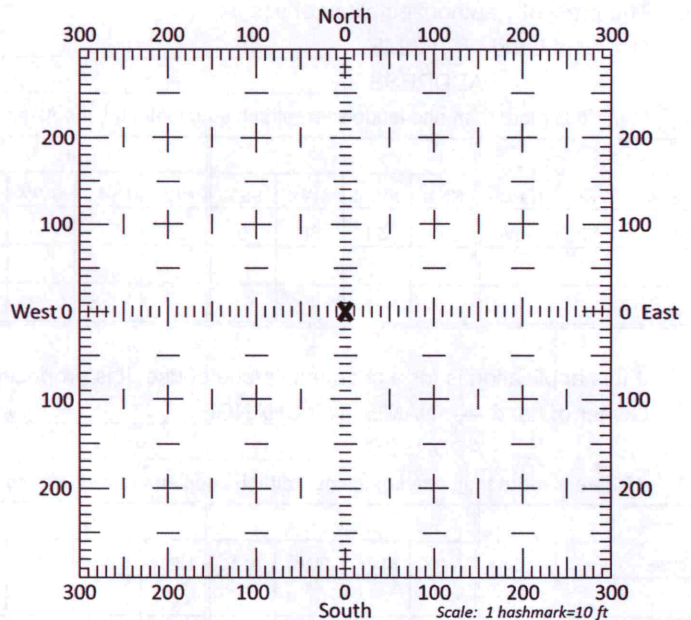
10. If the point of diversion is a well:
 (a) What are you going to do with the old well?

 (b) When will this be done?

11. Groundwater Management District recommendation attached?
 Yes No

12. Assisted by

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 Kismet, Kansas, this 30 day of Jan, 20 19.

Brown Plains Cattle Co LLC by mika Velts
(Owner)

(Spouse)

mika Velts: DM
(Please Print)

(Please Print)

(Owner)

(Spouse)

(Please Print)

(Please Print)

(Owner)

(Spouse)

(Please Print)

(Please Print)

State of Kansas }
County of Seward } SS



I hereby certify that the foregoing application was signed in my presence and sworn to before me this 30th day of January, 20 19.

Barbara R. Herring
Notary Public

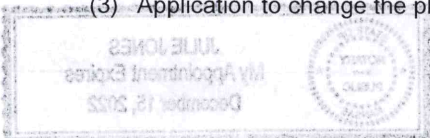
My Commission Expires 5-2-2022.

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

FEE SCHEDULE

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

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



SUMMARY ORDER APPROVING APPLICATION FOR CHANGE AND IMPOSING CONDITIONS

This Summary Order is issued under authority of K.S.A. 82a-708b, as amended, and K.A.R. 5-5-1, *et seq.* and other applicable provisions of the *Kansas Water Appropriation Law*, K.S.A. 82a-701 *et seq.*, and rules and regulations promulgated thereunder, With the exception of those conditions expressly contained herein, this Summary Order does not change the terms, conditions and limitations of File No. 17668.

- 1. A change application was received on January 31, 2019 requesting that the place of use and / or point of diversion authorized under the above-referenced file number be changed as described in the application.
- 2. On and after the effective date of this summary order, the authorized place(s) of use shall be located substantially as shown on the topographic map accompanying the application to change the place of use. Applicable Not Applicable
- 3. The change in point of diversion shall not impair existing rights and shall be limited to the same source or sources of water as previously authorized. The point of diversion authorized by this summary order shall be located within a 50 foot radius of the authorized point(s) of diversion. Applicable Not Applicable
- 4. The point(s) of diversion described herein is administratively corrected to be more accurately described using the Global Positioning System (GPS), as described in the application. Applicable Not Applicable
- 5. The point(s) of diversion authorized herein shall not actually be located more than _____ feet from the previously authorized point(s) of diversion. Applicable Not Applicable
- 6. As required by K.A.R. 5-3-5d, if the works for diversion is a well with a diversion rate of 100 gallons per minute or more, a tube or other device suitable for making water level measurements shall be installed, operated and maintained in accordance with K.A.R. 5-6-13. Applicable Not Applicable
- 7. The owner of the authorized place(s) of use shall properly install an acceptable water flow meter on or before December 31, 2019, or before the first use of water, whichever occurs first. The water flow meter shall be installed, operated and maintained in accordance with K.A.R. 5-1-4 through 5-1-12. As required by K.S.A. 82a-732, as amended, and K.A.R. 5-3-5e, the owner shall maintain records and report the reading of the water flow meter and the total quantity of water diverted annually to the Chief Engineer by March 1 following the end of each calendar year. Applicable Not Applicable
- 8. Installation of the works for diversion of water shall be completed on or before December 31, 2019, or within any authorized extension of time. By March 1, 2020 the applicant shall notify the Chief Engineer that construction of the works for diversion has been completed, on the form provided by the Chief Engineer, as required by K.A.R. 5-8-4e. Applicable Not Applicable
- 9. The completed well log shall be submitted with the required notice. Applicable Not Applicable
- 10. All diversion works into which any type of chemical or other foreign substance will be injected into the water shall be equipped with an in-line, automatic, quick-closing check valve capable of preventing pollution of the source of the water supply. The check valve(s) shall be installed, operated and maintained in accordance with K.A.R. 5-3-5c. Applicable Not Applicable
- 11. Additional Conditions are attached. Yes No
- 12. In accordance with K.S.A. 82a-708a, as amended, and K.A.R. 5-5-14, all of the owners of the authorized place(s) of use of water appropriated under the above-referenced file number are responsible for compliance with its terms, conditions and limitations, as amended and/or supplemented by this Summary Order, and with applicable provisions of the *Kansas Water Appropriation Law* and the *Rules and Regulations* promulgated thereunder. Failure to comply with these provisions may result in civil penalties pursuant to K.S.A. 82a-737, as amended, and/or the suspension or revocation and dismissal of the water or appropriation right or any other enforcement actions authorized by law.

Administrative Appeal and Effective Date of Order

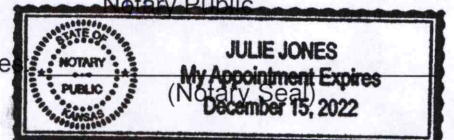
If you are aggrieved by this order, pursuant to K.S.A. 82a-1901, you may request an evidentiary hearing before the Chief Engineer or request administrative review by the Secretary of Agriculture. A request for hearing by the Chief Engineer must be filed within **15 days** of service of this Order and a request for administrative review by the Secretary must be filed within **30 days** pursuant to K.S.A. 77-531. Any request for administrative review must state a basis for review pursuant to K.S.A. 77-527. File any request with **Kansas Department of Agriculture, Legal Division, 1320 Research Park Drive, Manhattan, KS 66502**. Failure to timely request a hearing or review may preclude review under the Kansas Judicial Review Act.

For Use by Register of Deeds

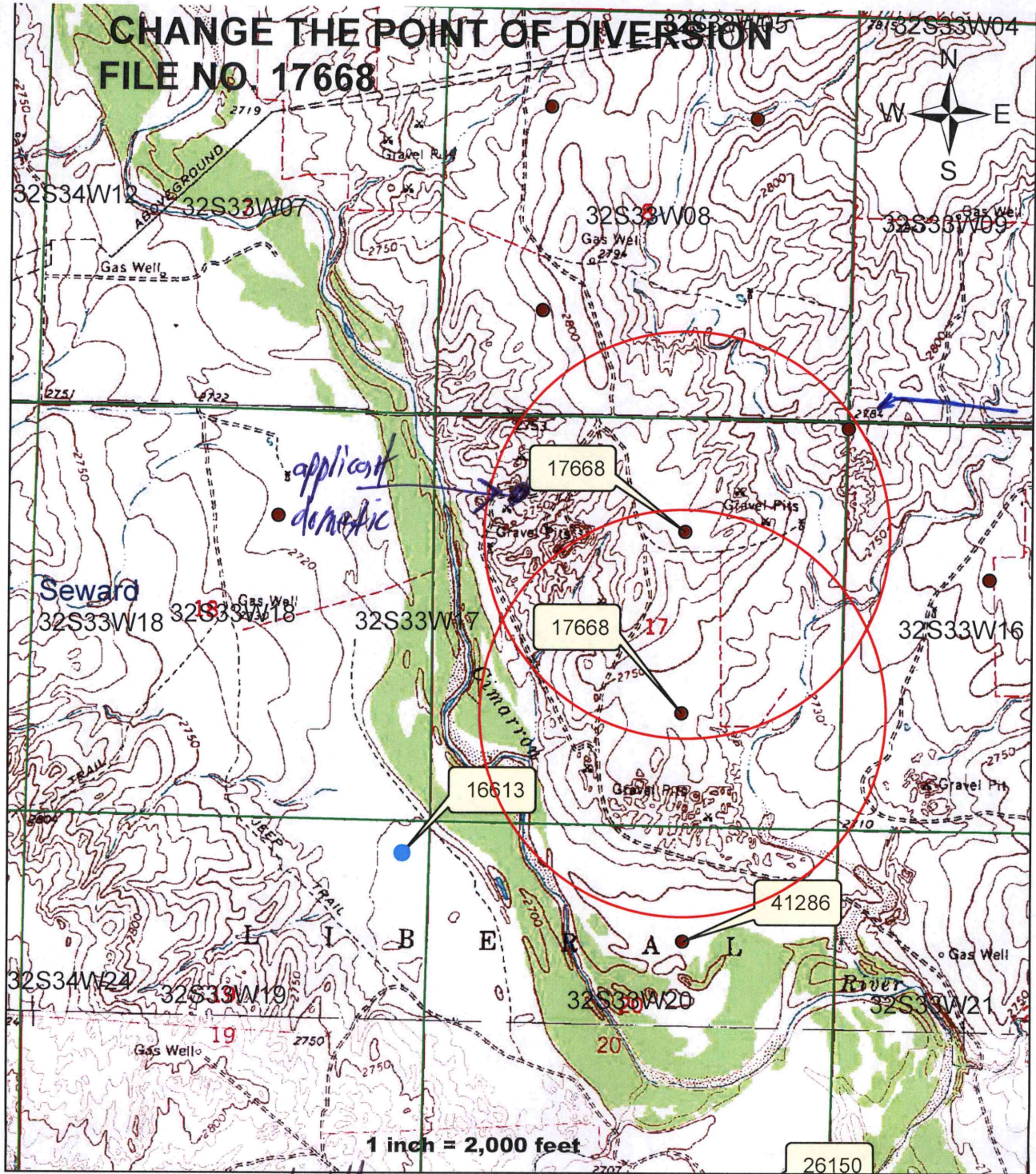
FOR OFFICE USE ONLY
APPLICATION APPROVED AND SUMMARY ORDER ISSUED

By: Michael A. Meyer
Duly Authorized Designee of the Chief Engineer
(Print Name): MICHAEL A. MEYER
Division of Water Resources - Kansas Department of Agriculture
Date of Issuance: February 14, 2019
State of Kansas)
County of Stimney) SS
Acknowledged before me on February 14, 2019
by Michael A. Meyer
Signature: Julie Jones
Notary Public

My commission expires _____



CHANGE THE POINT OF DIVERSION FILE NO. 17668

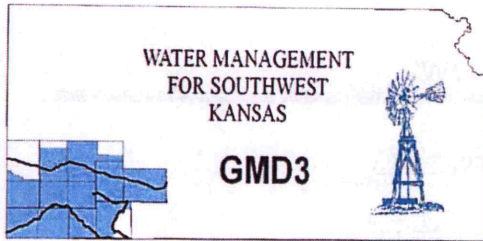


*Files
28014
39722*

X *Mh. Velt-*

APPLICANT SIGNATURE

NO OTHER WELLS WITHIN ONE HALF MILE



**Southwest Kansas
Groundwater Management District No. 3**
2009 E. Spruce Street
Garden City, Kansas 67846
(620) 275-7147 phone (620) 275-1431 fax
www.gmd3.org

February 11, 2019

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

RE: Application for Change in Point of Diversion
Water Right, File Nos. 17668

Dear Mike:

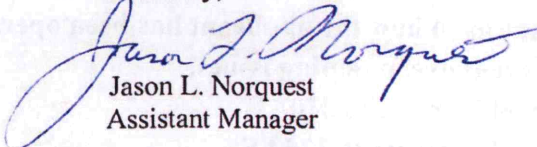
We have completed a review of the application for the above referenced water right. The proposed change in point of diversion is in accordance with current area rules, K.A.R. 5-23-3, as it pertains to distance moved and minimum spacing to neighboring wells.

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

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

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

Sincerely,


Jason L. Norquest
Assistant Manager

RECEIVED

FEB 11 2019

Garden City Field Office
Division of Water Resources

GMD3 Change Review

File No(s): 17668.

DWR office: GC.

App filed to change: PD.

Is Landowner(s) correct in WRIS: Green Plains Cattle Co LLS.

If NO, is documentation included?

Is Water Use Correspondent correct in WRIS? Yes.

If NO, is documentation included?

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

Point of diversion ID No(s) being changed.

	ft. North	ft. West				
Authorized PD	3800	2100	ID1			
Proposed PD	1450	2100	ID2			
Difference	2350	0				
a2 + b2 = c2	5522500	0	2350 feet apart			GPS

for proposed PD: Lat: Long: .

Is proposed PD stacking on existing WRs? Same WR with 2 PDs and proposing to switch the authority between them.

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 %

Moving 100AF authority from the south well up to the north well. This is proposed to solve the issue as to how the applicant has been operating the wells within their system and prevent overpumping issues.

ID 1: 210AF will increase to 310AF

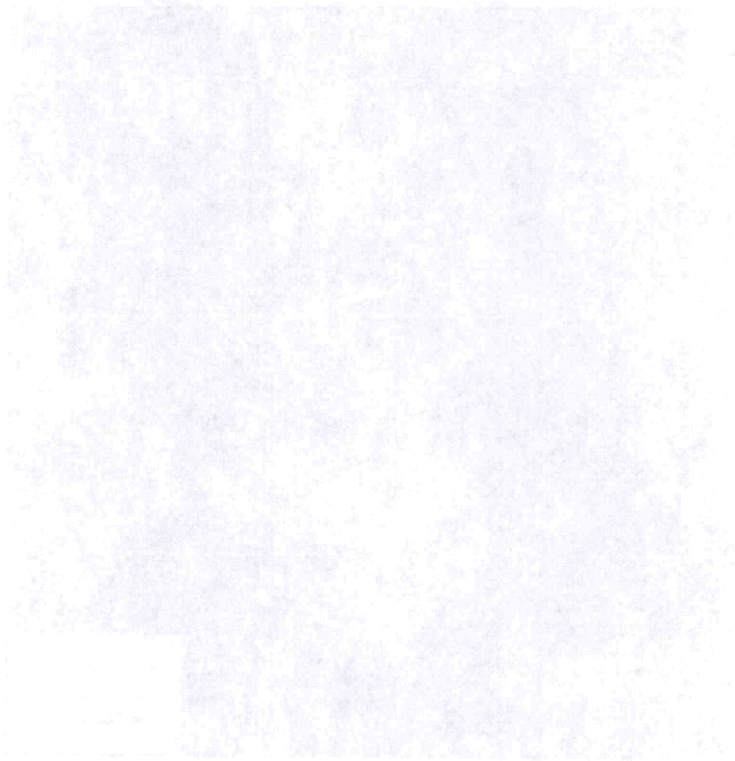
ID 2: 235AF will decrease to 135AF

Is a waiver needed: No waiver needed, distance moved and spacing is met.

Final Recommendation: GMD3 analysis shows that the proposed change appears to have minimal effect on neighboring wells and none were found to be critical. The

GMD3 Change Review

proposed change appears to meet all current area rules. Staff therefore recommends approval of the application.



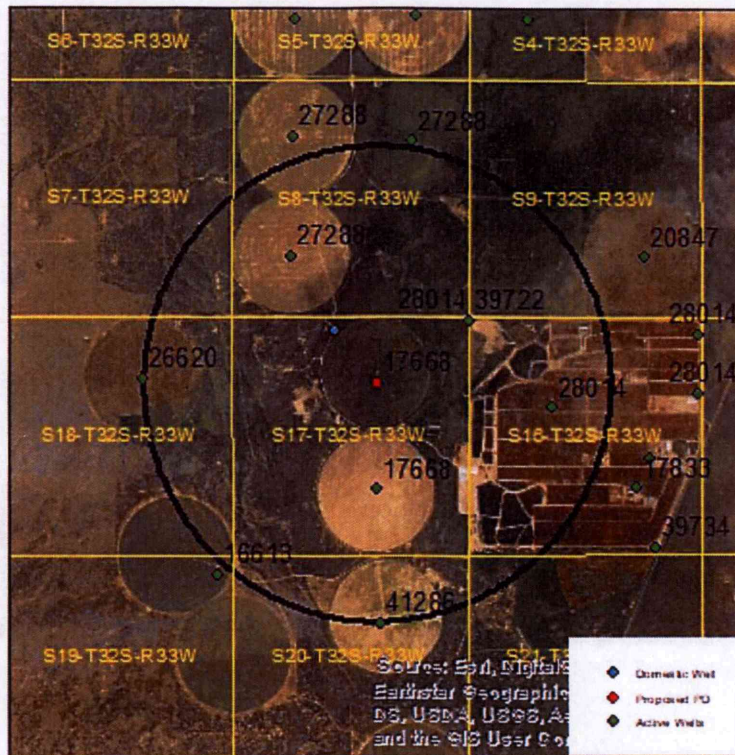
RECEIVED

FEB 11 2019

Garden City Field Office
Division of Water Resources

Evaluation of proposed reallocation for Water Right Nos 17668 ID 1 and 17668 ID 2

Proposed: Increase the authorized quantity on water right no. 17668 ID 1 from 210 AF to 310 AF and reduce the authorized quantity on water right no. 17668 ID 2 from 235 AF to 135 AF.



Wells within 1 mile: 27288, 28014, 28014 & 39722, and a domestic well in section 17-32-33.

The saturated thickness at the proposed well location is estimated to be 215 ft, the GMD 3 model.

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

S = 0.1986, T = 15,454 ft²/day, tp_{current} (ID 1) = 54 days (based upon observed rate and reported quantity), tp_{current} (ID 2) = 58 days, Q_{current} (ID 1) = 838 gpm (based upon observation during 2013 field visit), Q_{current} (ID 2) = 763 gpm (based upon observation during 2013 field visit), tp_{proposed} (ID 1) = 82 days, tp_{proposed} (ID 2) = 40 days, Q_{proposed} (ID 1) = 855 gpm, Q_{proposed} (ID 2) = 763 gpm. Wells were given the following X-Y coordinates:

- 17668 ID 1: X = -38,031 ft, Y = 143,004 ft
- 17668 ID 2: X = -38,031 ft, Y = 140,661 ft
- 27288: X = -39,958 ft, Y = 145,830 ft
- 28014: X = -34,047 ft, Y = 142,458 ft
- 28014 & 39722: X = -35,940 ft, Y = 144,395 ft
- Domestic 17-32-33 X = -38,962 ft, Y = 144,154 ft

Theis drawdowns were calculated as follows:

27228: Drawdown from current location = 1.84 ft
Drawdown from proposed location = 2.21 ft
Net drawdown = **0.4 ft**

28014: Drawdown from current location = 1.86 ft
Drawdown from proposed location = 2.13 ft
Net drawdown = **0.3 ft**

28014 & 39722: Drawdown from current location = 2.24 ft
Drawdown from proposed location = 2.73 ft
Net drawdown = **0.5 ft**

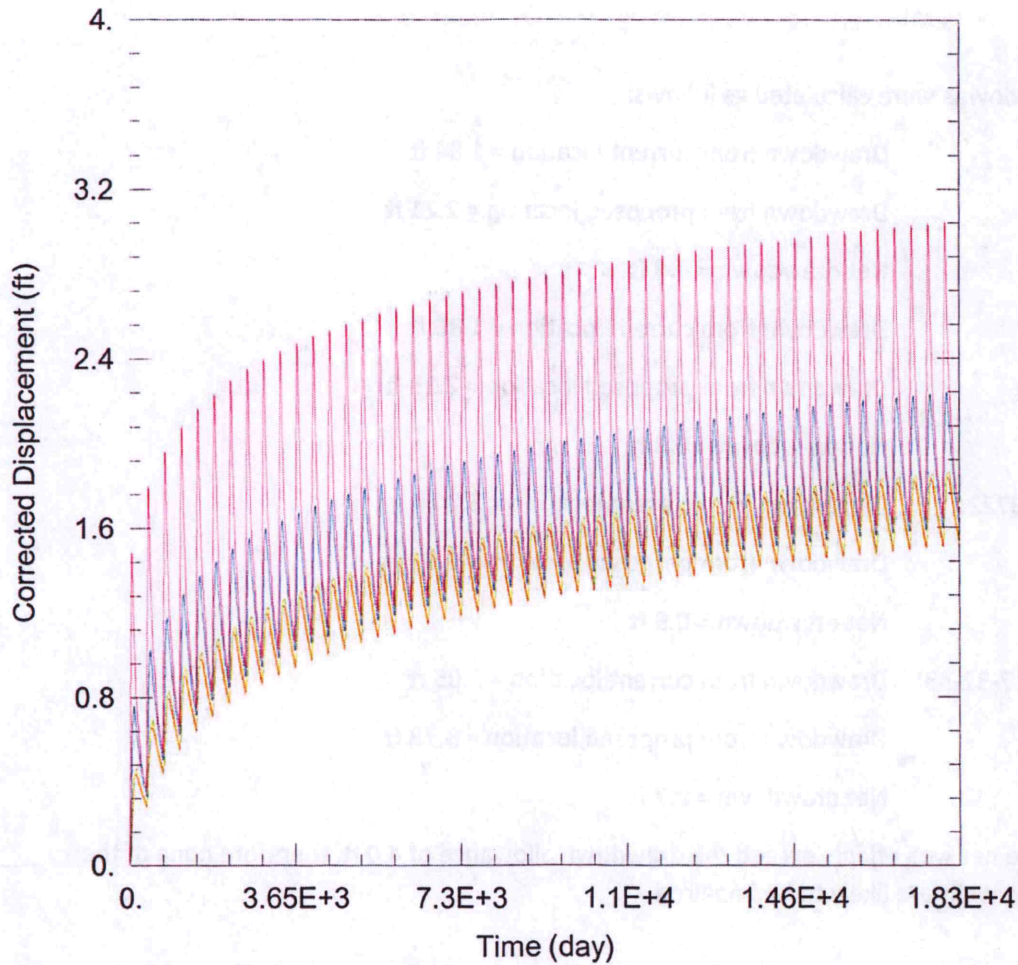
Domestic 17-32-33: Drawdown from current location = 3.05 ft
Drawdown from proposed location = 3.78 ft
Net drawdown = **0.7 ft**

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.

RECEIVED

FEB 11 2019

Garden City Field Office
Division of Water Resources



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2019_moves\17668\17668 Current.aqt
 Date: 02/11/19 Time: 14:01:37

PROJECT INFORMATION

Company: GMD 3
 Client: Green Plains Cattle LLC
 Project: 17668
 Test Well: 17668

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
	-38031	143004
	-38031	140661

Observation Wells

Well Name	X (ft)	Y (ft)
□	-38031	143004
□	-38031	140661
□ 27288	-39958	145830
□ 28014	-34047	142458
□ 28014 39722	-35940	144395
□ Domestic	-38962	144154

SOLUTION

Aquifer Model: Unconfined

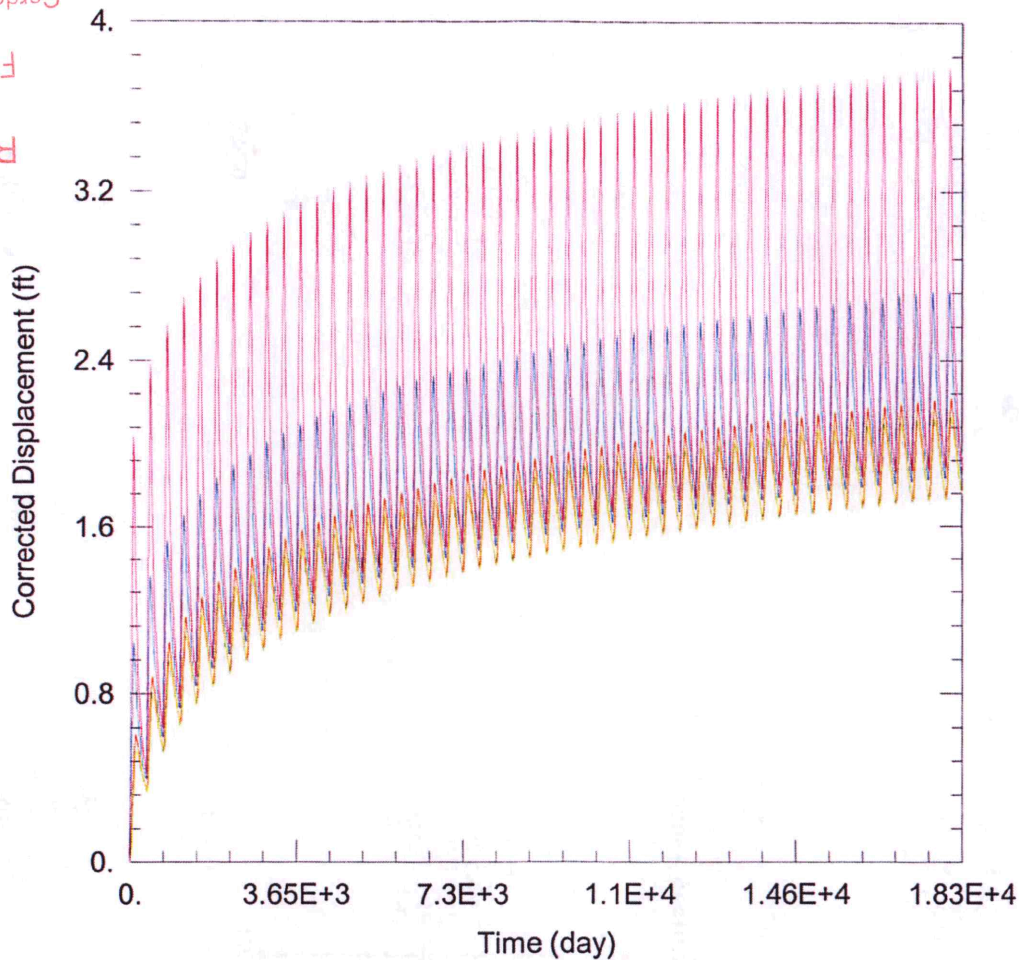
Solution Method: Theis

T = 1.008E+4 ft²/day
 Kz/Kr = 1.

S = 0.2421
 b = 215. ft

FEB 11 2019

RECEIVED



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2019_moves\17668\17668 Proposed.aqt
 Date: 02/11/19 Time: 13:56:14

PROJECT INFORMATION

Company: GMD 3
 Client: Green Plains Cattle LLC
 Project: 17668
 Test Well: 17668

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
	-38031	143004
	-38031	140661

Observation Wells

Well Name	X (ft)	Y (ft)
□	-38031	143004
□	-38031	140661
□ 27288	-39958	145830
□ 28014	-34047	142458
□ 28014 39722	-35940	144395
□ Domestic	-38962	144154

SOLUTION

Aquifer Model: Unconfined

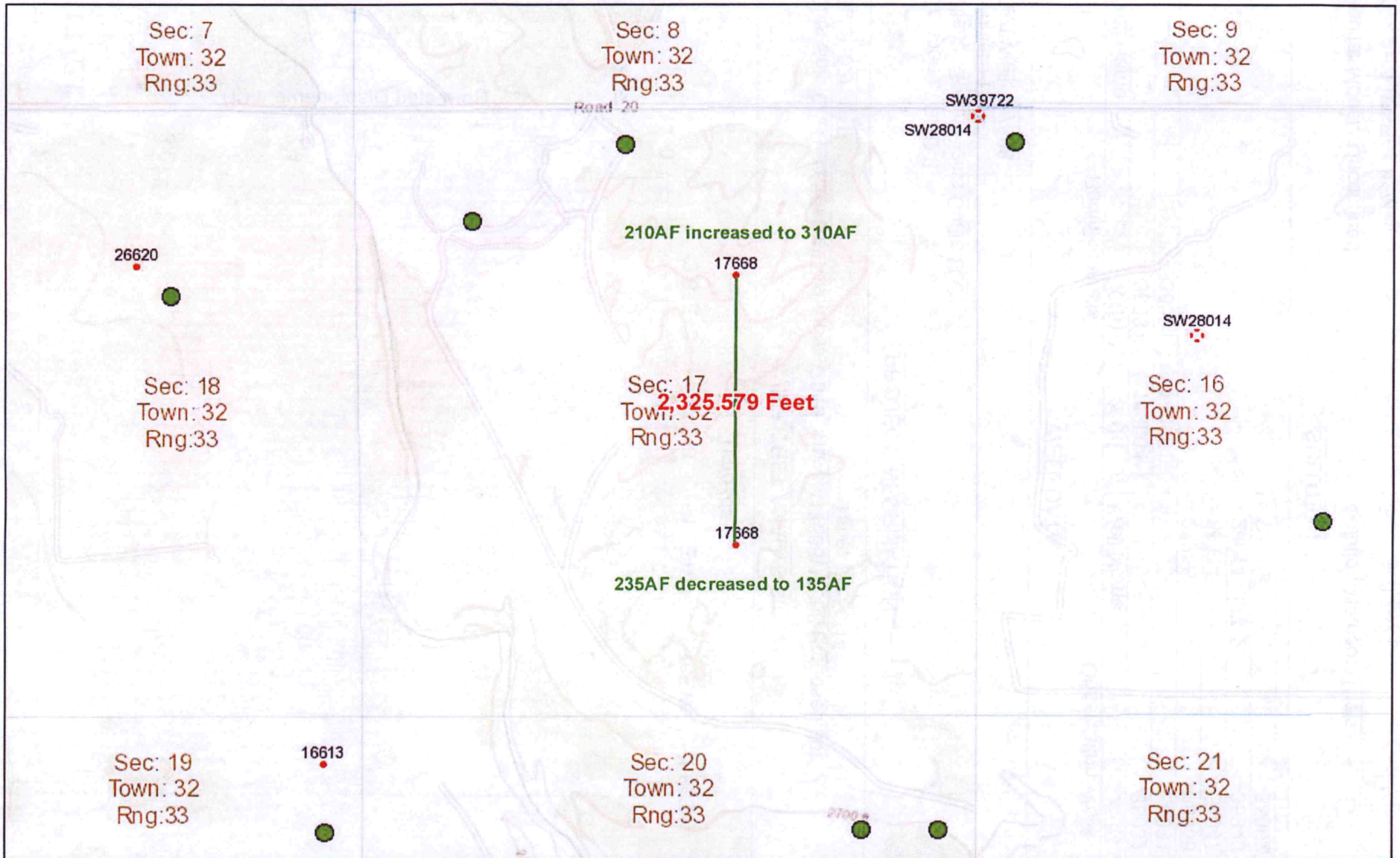
Solution Method: Theis

T = 1.008E+4 ft²/day

S = 0.2421

Kz/Kr = 1.

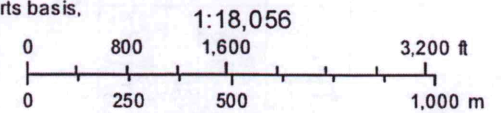
b = 215. ft



February 11, 2019
10:24 AM

DISCLAIMER: This map is not intended for conveyances, nor is it a legal survey. The information is presented on a best-efforts basis, and should not be relied upon for making financial, survey, legal or other commitments.

Wells	+	CON	⬮	FPR	▲	MUN	⚡	THX	□	Sections
?	Other	⊠	DEW	⊕	HYD	⌂	REC	?	Empty	
•	IRR	⬮	DOM	★	IND	⊠	STK	●	WWC5 WELLS GMD3	



AMOUNT STATISTICS REPORT FOR POINTS OF DIVERSION UNDER A 17668 00

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AMOUNT STATISTICS REPORT FOR POINTS OF DIVERSION UNDER A 17668 00 IRR

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

3800 Feet North and 2100 Feet West of the Southeast Corner of Section 17 T 32S R 33W

GROUNDWATER ONLY

File Number	Use	ST	SR	Dist (ft)	Q4	Q3	Q2	Q1	FeetN	FeetW	Sec	Twp	Rng	ID	Batt	Auth_Quan	Add_Quan	Unit
A__ 17668 00	IRR	NK	G*	0	--	NC	W2	NE	3800	2100	17	32	33W	1		210.00	³¹⁰ 210.00	AF
Same				2351	--	SW	NW	SE	1450	2100	17	32	33W	2		235.00	¹³⁵ 235.00	AF
A__ 26620 00	IRR	NK	G	5205	--	NW	SW	NE	3900	2000	18	32	33W	1		272.00	272.00	AF
A__ 27288 D1	IRR	NK	G	3394	--	--	NC	SW	1300	3980	8	32	33W	3		262.00	262.00	AF
A__ 28014 00	STK	NK	G	4005	--	SW	SE	NW	3226	3394	16	32	33W	5		278.25	.00	AF
Same				2513	--	NW	NW	NW	5150	5271	16	32	33W	6		100.00	.00	AF
A__ 39722 00	STK	NK	G	2513	--	NW	NW	NW	5150	5271	16	32	33W	6		311.00	176.09	AF
T_20189057 00	IRR	AY	G	0	--	NC	W2	NE	3800	2100	17	32	33W	1		6.00	6.00	AF

Total Net Quantities Authorized:	Direct	Storage
Total Requested Amount (AF) =	6.00	.00
Total Permitted Amount (AF) =	.00	.00
Total Inspected Amount (AF) =	.00	.00
Total Pro_Cert Amount (AF) =	.00	.00
Total Certified Amount (AF) =	1155.09	.00
Total Vested Amount (AF) =	.00	.00
TOTAL AMOUNT (AF) =	1161.09	.00

Spacing 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 1.00 miles of point defined as:

3800 Feet North and 2100 Feet West of the Southeast Corner of Section 17 T 32S R 33W

GROUNDWATER ONLY

WATER USE CORRESPONDENTS:

=====

File Number Use ST SR

A__ 17668 00 IRR NK G

> GREEN PLAINS CATTLE CO LLC

>

> 19016 ROAD I

> KISMET KS 67859

>-----

A__ 26620 00 IRR NK G

> BOLES LAND & CATTLE LP

>

> PO BOX 1595

> LIBERAL KS 67905

>-----

A__ 27288 D1 IRR NK G

> FRANZ LAND CO (SEWARD)

> J H HAY

> PO BOX 2707

RECEIVED

FEB 11 2019

Garden City Field Office
Division of Water Resources

> LIBERAL KS 67905
 >-----
 A__ 28014 00 STK NK G
 > GREEN PLAINS CATTLE CO LLC
 >
 > 19016 ROAD I
 > KISMET KS 67859
 >-----

A__ 39722 00 STK NK G
 > GREEN PLAINS CATTLE CO LLC
 >
 > 19016 ROAD I
 > KISMET KS 67859
 >-----

T_20189057 00 IRR AY G
 > GREEN PLAINS CATTLE CO LLC
 > GREEN PLAINS INC
 > 1811 AKSARBEN DR
 > OMAHA NE 68108
 >-----

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AMOUNT STATISTICS REPORT FOR POINTS OF DIVERSION UNDER A 17668 00 IRR
 Water Right and Points of Diversion Within 1.00 miles of point defined as:
 1450 Feet North and 2100 Feet West of the Southeast Corner of Section 17 T 32S R 33W
 GROUNDWATER ONLY

File Number	Use	ST	SR	Dist (ft)	Q4	Q3	Q2	Q1	FeetN	FeetW	Sec	Twp	Rng	ID	Batt	Auth_Quan	Add_Quan	Unit
A__ 16613 00	IRR	NK	G*	4066	--	NE	NE	NE	5000	300	19	32	33W	1		292.00	292.00	AF
A__ 17668 00	IRR	NK	G*	2351	--	NC	W2	NE	3800	2100	17	32	33W	1		210.00	210.00	AF
Same				0	--	SW	NW	SE	1450	2100	17	32	33W	2		235.00	235.00	AF
A__ 28014 00	STK	NK	G	4356	--	SW	SE	NW	3226	3394	16	32	33W	5		278.25	.00	AF
Same				4283	--	NW	NW	NW	5150	5271	16	32	33W	6		100.00	.00	AF
A__ 39722 00	STK	NK	G	4283	--	NW	NW	NW	5150	5271	16	32	33W	6		311.00	176.09	AF
A__ 41286 00	IRR	NK	G*	2967	--	NE	SW	NE	3880	1920	20	32	33W	4		240.00	240.00	AF
T_20189057 00	IRR	AY	G	2351	--	NC	W2	NE	3800	2100	17	32	33W	1		6.00	6.00	AF

Total Net Quantities Authorized:	Direct	Storage
Total Requested Amount (AF) =	6.00	.00
Total Permitted Amount (AF) =	.00	.00
Total Inspected Amount (AF) =	.00	.00
Total Pro_Cert Amount (AF) =	.00	.00
Total Certified Amount (AF) =	1153.09	.00
Total Vested Amount (AF) =	.00	.00
TOTAL AMOUNT (AF) =	1159.09	.00

*Spring still
M 2 T*

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 1.00 miles of point defined as:

1450 Feet North and 2100 Feet West of the Southeast Corner of Section 17 T 32S R 33W

GROUNDWATER ONLY

WATER USE CORRESPONDENTS:

=====

File Number Use ST SR

A__ 16613 00 IRR NK G
> GREEN PLAINS CATTLE CO LLC
>
> 19016 ROAD I
> KISMET KS 67859
>

A__ 17668 00 IRR NK G
> GREEN PLAINS CATTLE CO LLC
>
> 19016 ROAD I
> KISMET KS 67859
>

A__ 28014 00 STK NK G
> GREEN PLAINS CATTLE CO LLC
>
> 19016 ROAD I
> KISMET KS 67859
>

A__ 39722 00 STK NK G
> GREEN PLAINS CATTLE CO LLC
>
> 19016 ROAD I
> KISMET KS 67859
>

A__ 41286 00 IRR NK G
> GREEN PLAINS CATTLE CO LLC
>
> 19016 ROAD I
> KISMET KS 67859
>

T_20189057 00 IRR AY G
> GREEN PLAINS CATTLE CO LLC
> GREEN PLAINS INC
> 1811 AKSARBEN DR
> OMAHA NE 68108
>

=====

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RECEIVED

FEB 11 2019

Garden City Field Office
Division of Water Resources

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



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

Mike Beam, Interim Secretary

Laura Kelly, Governor

January 31, 2019

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

Re: Water Right File Nos. 17668

Dear Mr. Norquest:

This is to advise you that Green Plains Cattle Co LLC have filed an application for approval of the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, to change the point of diversion for the above referenced file.

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

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

Sincerely,

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

Michael A. Meyer
Water Commissioner

MAM
Enclosures