

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

1. File Number: <b>25128</b>	2. Status Change Date: <b>2-8-19</b>	3. Change Num: <b>C2</b>	4. Field Office: <b>04</b>	5. GMD: <b>03</b>
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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: <b>1/11/19</b>
--	---

8a. Applicant, Landowner                      Person ID **24959**  
 New to system                       Add Seq# **1**

**MARIE ROSSON FARMS INC**  
**3357 NW 172<sup>ND</sup> TER**  
**EDMOND OK 73012**

8c. WUC, LANDOWNER                      Person ID **53102**  
 New to system                       Add Seq# **1**

**STAPLETON FARMS INC**  
**RYAN STAPLETON - AGENT**  
**PO BOX 655**  
**MEADE KS 67864-0655**

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

**SEED SOWERS LLC**  
**PO BOX 279**  
**PLAINS KS 67869-0279**

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

9. Documents and Enclosure(s):  DWR Meter(s) Date to Comply: **12/31/19**     N & P Date to Comply: **12/31/20**

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: **2/8/19**                      By: **MAM**  
 Date Entered: \_\_\_\_\_                      By: \_\_\_\_\_

File No. **25128**      11. County: **SW**      Basin: **CROOKED CREEK**      Stream: \_\_\_\_\_      Formation Code: **211/331**      Special Use: \_\_\_\_\_

12. Points of Diversion										Rate and Quantity				
CHK MOD DEL ENT	PDIV	Qualifier	S	T	R	ID	'N	'W	Comment (AKA Line)	Authorized		Additional		Overlap PD Files
										Rate gpm	Quantity af	Rate gpm	Quantity af	
ENT		SWSWSW	29	31	31	W	90'	5211'		1825	700	1825	700	

DEL 27872

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	Place of Use	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				
ENT	PUSE	S	T	R	ID																

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 8, 2019

MARIE ROSSON FARMS INC  
3357 NW 172ND TER  
EDMOND OK 73012

RE: Water Right, File No. 25128

Dear Madam or Sir:

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

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

Since this order modifies the original document referred to above, it should be recorded with the Register of Deeds as other instruments affecting real estate.

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

Sincerely,

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

Michael A. Meyer  
Water Commissioner

MAM:  
enclosures  
pc: (on back side)

STAPLETON FARMS INC  
RYAN STAPLETON - AGENT  
PO BOX 655  
MEADE KS 67864-0655

SEED SOWERS LLC  
PO BOX 279  
PLAINS KS 67869-0279

GROUNDWATER MANAGEMENT DISTRICT NO. 3

## CERTIFICATE OF SERVICE

On this 8<sup>th</sup> day of February, 2019, I hereby certify that the foregoing Approval of Application for Change in Point of Diversion, Water Right, File No. 25,128, dated 8<sup>th</sup> day of February, 2019 was mailed postage prepaid, first class, US mail to the following:

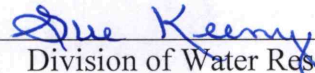
MARIE ROSSON FARMS INC  
3357 NW 172ND TER  
EDMOND OK 73012

With photocopies to:

STAPLETON FARMS INC  
RYAN STAPLETON - AGENT  
PO BOX 655  
MEADE KS 67864-0655

SEED SOWERS LLC  
PO BOX 279  
PLAINS KS 67869-0279

GROUNDWATER MANAGEMENT DISTRICT NO. 3

  
\_\_\_\_\_  
Division of Water Resources Staff

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

Call for address:

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

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



**STATE OF KANSAS**

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

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

**RECEIVED**  
 3:55 PM  
 JAN 11 2019

File No. 25128

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: MARIE ROSSON FARMS INC., 3357 NW 172nd Ter Edmond OK 73012

Phone Number: (405) 596-1899                      Email address: lance.karihoward@rocketmail.com

Name and address of Water Use Correspondent: STAPLETON FARMS INC., PO BOX 655, MEADE, KS 67864

Phone Number: (620) 629-1828                      Email address: \_\_\_\_\_

3. The presently authorized place of use is:

Owner of Land ---- NAME: Marie Rosson Farms, Inc / Kari Howard

ADDRESS: 3357 NW 172nd Ter Edmond, OK 73012

(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 1-11-19 Check # 121

5. **Presently authorized point of diversion:**  
 One in the NC N2 Quarter of the SW Quarter of the SW Quarter  
 of Section 29, Township 31 South, Range 31 W,  
 in SEWARD County, Kansas, 1075 feet North 4500 feet West of Southeast corner of section.  
 Authorized Rate 1825 GPM Authorized Quantity 700 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 SW Quarter of the SW Quarter of the SW Quarter  
 of Section 29, Township 31 South, Range 31 W,  
 in SEWARD County, Kansas, 90 feet North 5211 feet West of Southeast corner of section.  
 Proposed Rate 1825 GPM Proposed Quantity 700 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 \_\_\_\_\_ 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) REPLACE WELL

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

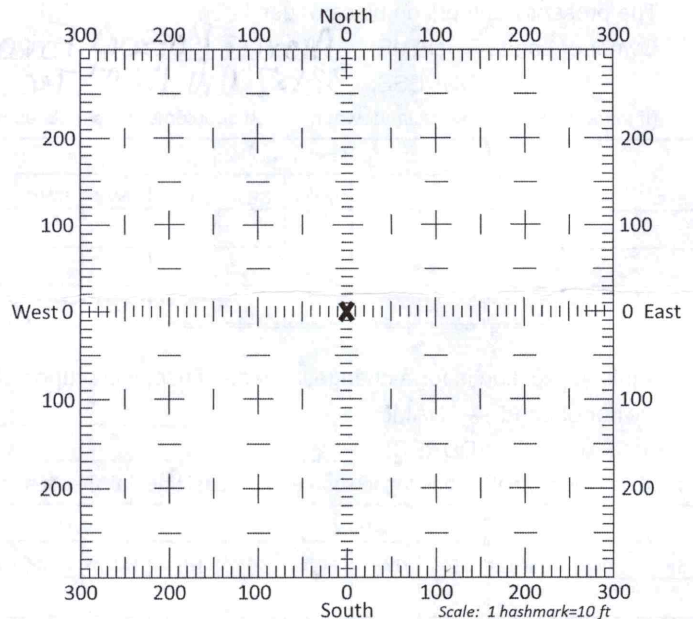
9. The change(s) (was)(will be) completed by?  
UPON APPROVAL

10. If the point of diversion is a well:  
 (a) What are you going to do with the old well?  
CAP OR PLUG  
 (b) When will this be done? UPON APPROVAL

11. Groundwater Management District recommendation attached?  
 Yes  No

12. Assisted by BSC

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.)

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 Plains, Kansas, this 21 day of Jan, 2019.

David Clawson  
(Owner) (Spouse)

David Clawson, Mgr Seed Sowers LLC  
(Please Print) (Please Print)

[Signature]  
(Owner) (Spouse)

Ryan Stapleton  
(Please Print) (Please Print)

(Owner) (Spouse)

(Please Print) (Please Print)

State of Kansas )  
County of Meade ) SS

I hereby certify that the foregoing application was signed in my presence and sworn to before me this 21<sup>st</sup> day of January, 2019.



[Signature]  
Notary Public

My Commission Expires 5-19-2020

**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.**

RECEIVED

JAN 22 2019

Garden City Field Office



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 Midwest Bank, Kansas, this 7 day of January, 2019.

Kari Howard (Owner) \_\_\_\_\_ (Spouse) \_\_\_\_\_  
Kari Howard (Please Print) \_\_\_\_\_ (Please Print) \_\_\_\_\_  
 \_\_\_\_\_ (Owner) \_\_\_\_\_ (Spouse) \_\_\_\_\_  
 \_\_\_\_\_ (Please Print) \_\_\_\_\_ (Please Print) \_\_\_\_\_  
 \_\_\_\_\_ (Owner) \_\_\_\_\_ (Spouse) \_\_\_\_\_  
 \_\_\_\_\_ (Please Print) \_\_\_\_\_ (Please Print) \_\_\_\_\_

State of ~~Kansas~~ Oklahoma }  
County of Oklahoma } SS

I hereby certify that the foregoing application was signed in my presence and sworn to before me this 7<sup>th</sup> day of January, 2019.

My Commission Expires 3-9-19



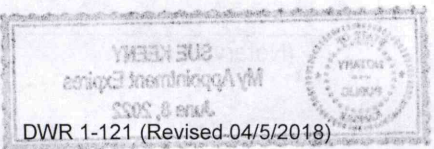
[Signature]  
Notary Public

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**

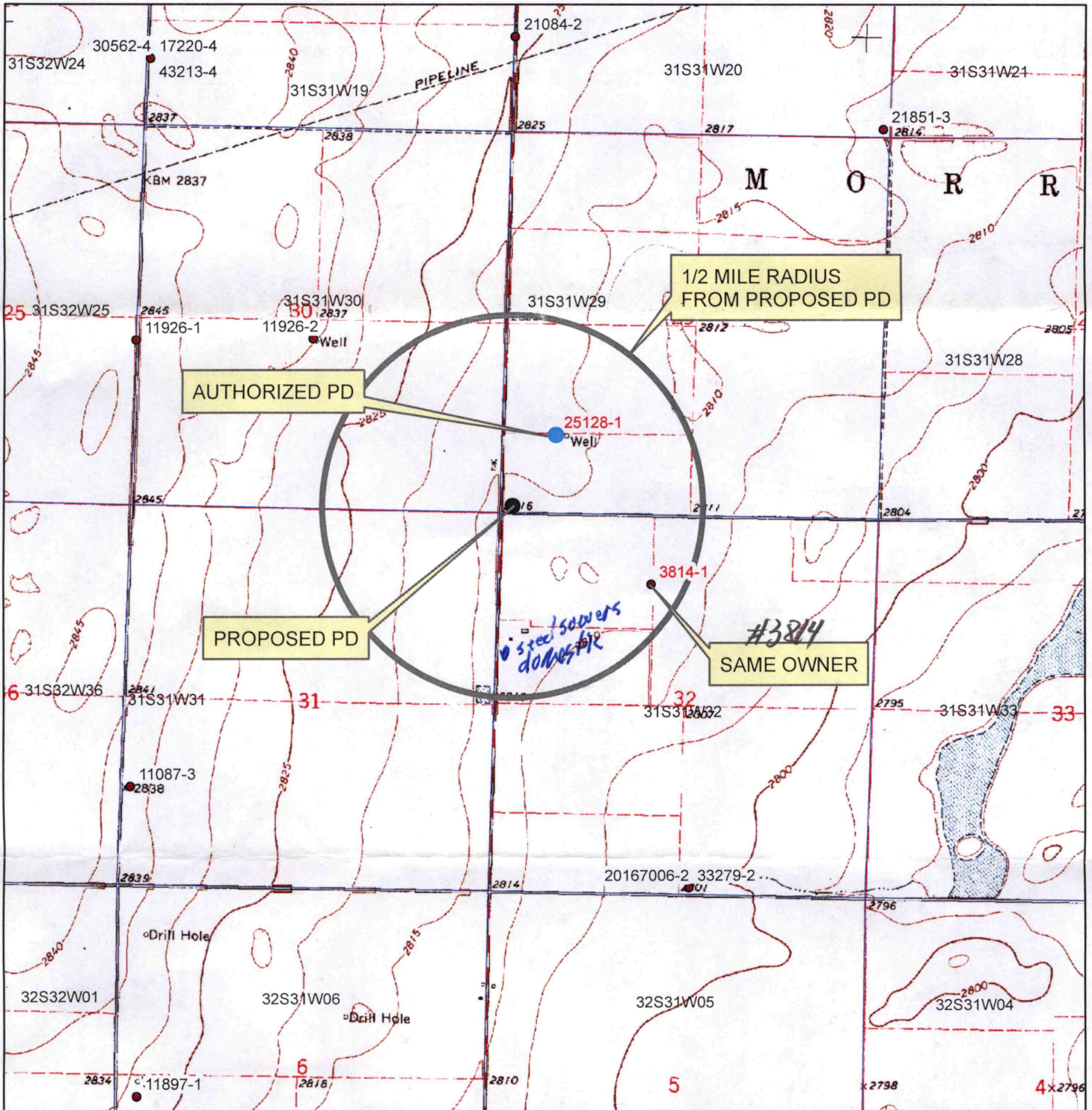
Each application to change the place of use or the point of diversion under this section shall be accompanied by the application fee set forth in the schedule below: Make checks payable to Kansas Department of Agriculture

- (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





# Change in Point of Diversion Water Right 25128 Section 29, Township 31 South, Range 31 West, Seward County

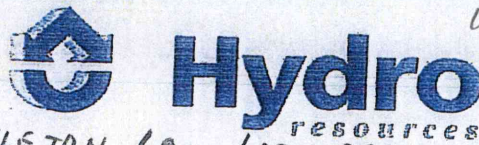


All wells within 1/2 miles are on this map.

*x* K. Amundson



3795 W. Jones Ave.  
Garden City, KS 67846  
PH: 620-277-2389



WR# 25128

PO Box 639  
Garden City, KS 67846  
Fax: 620-277-0224

RYAN STAPLETON 620-629-1828

Customer Name: Marie Rosson c/o RYAN STAPLETON  
Street Address: PO: Box 655  
City, State: MEADE, KS 67864  
County: Seward Quarter: SW Section: 29  
Location: \_\_\_\_\_ Township: 31 Range: 31  
Rig #: 10002 Elevation: 2809'

WO#: 14384 Date: 8-16-18  
Test #: 3 E LOG: Yes  
Driller: Dale Guinn  
GPS: N37.31522 W100.72521  
Static WL: 335' Estimated? \_\_\_\_\_  
Proposed Well Depth: 540  
WELL LOCATION: 20' SUMP

%	Footage			Description of Strata
	From	Pay	To	
	0		2	Top Soil
	2		9	Brown Sandy Clay
	9		17	Brown Sandy clay w/some caliche Mixed
	17		32	Brown Sandy clay
	32		38	Fine Sand
	38		40	Brown Sandy Clay
	40		44	Sand fine to med few coarse
	44		47	Brown Sandy Clay
	47		70	Sand fine to med course small med some large gravel
	70		76	Brown Clay
	76		84	Sand fine to med w/some Red Clay Mixed
	84		122	Sand fine to med course small med gravel w/few thin clay stringers
	122		130	Light Blue Clay
	130		141	Sand fine to med course small gravel
	141		156	Blue Clay
	156		173	Brown Sandy Clay & fine to med sand mixed
	173		180	Sand fine to med course
	180		187	Brown Clay
	187		274	Sand fine to med course some small gravel
	274		280	Brown Clay w/couple sand ledges
	280		290	Blue & Brown Clay
30	290	59	394	Sand fine to med course some small gravel w/few clay stringers
10	394	33	427	Brown sandy clay w/many fine sand strips & some limestone strips
	427		465	Brown Clay - sticky -
5	465	14	479	Fine sand & Brown Clay Mixed
10	479	16	495	Fine Sand w/few lime rock strips - used some water -
20	495	11	506	Fine Sand - used water -
10	506	14	520	Fine Sand w/few Red Bed stringers
	520		540	Red Bed

Super Gel X - 3  
Grout - 4  
Bent Plug 3/4 - 6  
Perma Plug - 1

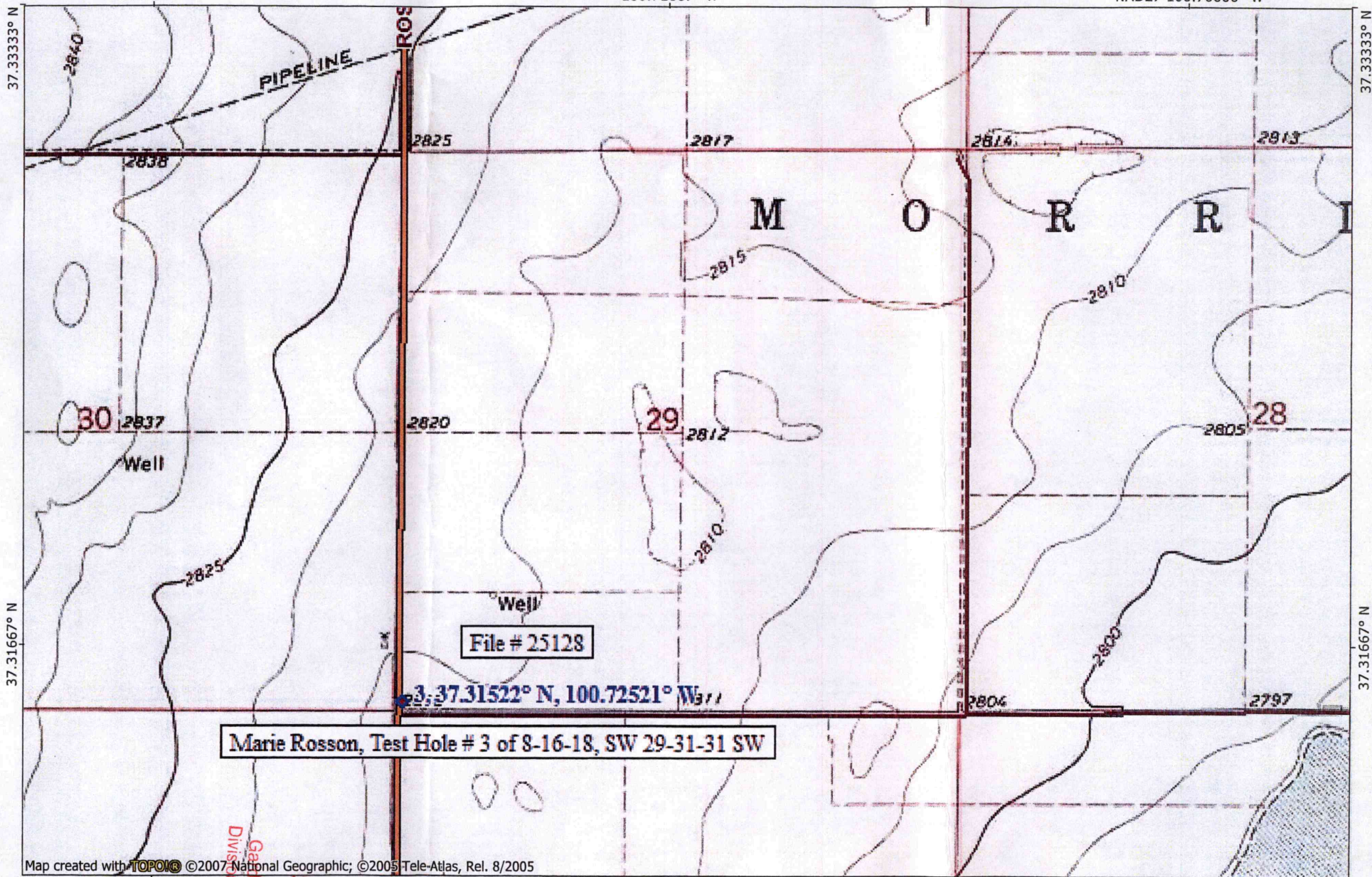
RECEIVED  
SEP 28 2018

TOPO! map printed on 08/17/18 from "Untitled.tpo"

100.73333° W

100.71667° W

NAD27 100.70000° W



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

100.73333° W

100.71667° W

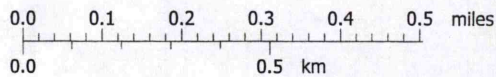
NAD27 100.70000° W



Garden City Field Office  
Division of Water Resources

SEP 28 2018

RECEIVED



TN MN  
5 1/2°  
08/17/18

INPUTS		
	Longitude	Latitude
Point 1	-100.722740	38.318000
Point 2	-100.718060	38.312300

File No. 25128  
File No. 3814

Degrees Longitude per Foot 3.48512345E-06

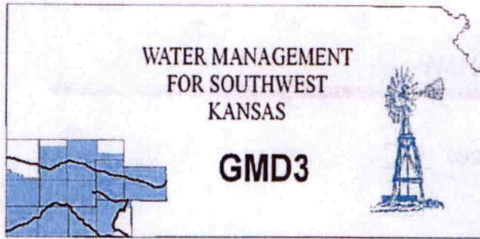
Degrees Latitude per Foot 2.74594288E-06

Distance Between Points (ft) 2472 ft

Compute Distance Between Points

**Instructions**

1. Enter Longitudes and Latitudes of the two points (both must be in the same datum, NAD27 or NAD83).
2. Click "Compute Distance Between Points" button.



**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 7, 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 No. 25128

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 both cases, the net effect on neighboring wells did exceed the 4.0 ft maximum allowable threshold. Further evaluation showed the well under WR 11926 not to be critical. The well under WR 3814 did show the possibility to be a critical well. However, this well is owned/operated by the applicant and overlaps the same place of use. The applicant should be made aware that operating the proposed well at authorized rate and quantity could have harmful effects on his other well. Since the only well that shows it could be critical is owned and operated on the same land as the applicant, GMD3 sees this move as reasonable and unlikely to impair other 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 07 2019

## GMD3 Change Review

File No(s): 25128.

DWR office: GC.

App filed to change: PD.

Is Landowner(s) correct in WRIS: Marie Rosson Farms.

If NO, is documentation included?

Is Water Use Correspondent correct in WRIS? Stapleton Farms.

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	1075	4500	Sect. 29-31-31
Proposed PD	90	5211	
Difference	985 s	-711 w	
a2 + b2 = c2	970225	505521	1214.803 foot move SW

GPS for proposed PD: Lat: N37.31522 Long: W-100.72521.

Is proposed PD stacking on existing WRs? No.

Is Proposed PU overlapping existing WRs? No change.

Land Owner(s) notified:    .

Name    . Name    .

Address    . Address    .

Zip    . Zip    .

Neighboring certified well(s) notified:    .

Name    . Name    .

Address    . Address    .

Zip    . Zip    .

Domestic well(s) notified:    .

Name    . Name    .

Address    . Address    .

Zip    . Zip    .

Base Acres:    .

Perfected Acres:    .

Irr. Return-Flow    %

**GPS in WRIS and the location from test log show spacing to be 2336', which just meets spacing to 3814. Both WRs are operated together on the same overlapping ground with same ownership.**

Is a waiver needed: No.

Final Recommendation: Spacing and current minimum requires are met. The evaluation shows that de minimus effect is exceeded and further calculations were done. WR 3814 could be classified as a critical well at maximum authorized rate and quantity, but it is owned and operated by the applicant and waters the same ground. WR11926 was shown not to be a critical well with further analysis.



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

90 ft N and 5211 ft W of the SE Corner of Section 29, T 31S, R 31W

Located at: 100.725210 West Longitude and 37.315219 North Latitude

GROUNDWATER ONLY

*2700' on all*

File Number	Use	ST	SR	Dist (ft)	Q4	Q3	Q2	Q1	FeetN	FeetW	Sec	Twp	Rng	ID	Batt	Auth_Quan	Add_Quan	Unit	
A__ 3814	00	IRR	NK	G	2201	--	SE	NE	NW	4320	3180	32	31	31W	1		1126.00	1126.00	AF
A__ 11926	00	IRR	NK	G	3518	--	NW	NW	SE	2350	2630	30	31	31W	2		842.00	842.00	AF
A__ 25128	00	IRR	NK	G*	1215	NC	N2	SW	SW	1075	4500	29	31	31W	1		700.00	700.00	AF

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) =	2668.00		.00
Total Vested Amount (AF) =		.00	.00
TOTAL AMOUNT (AF) =	2668.00		.00

An \* after the source of supply indicates a pending application for change for the file number.

An \* after the ID indicates a 15 AF exemption was granted for the file number.

A "G" in the Batt column indicates the GEO CTR of a battery. A "B" indicates a well in the battery.

The number in the Batt column is the number of wells in the battery.

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

100.725210 West Longitude and 37.315219 North Latitude

GROUNDWATER ONLY

WATER USE CORRESPONDENTS:

File Number	Use	ST	SR		
A__ 3814	00	IRR	NK	G	<i>* GPS shows spacing is met</i>
>	STAPLETON FARMS INC				
>	RYAN STAPLETON - AGENT				
>	PO BOX 655				
>	MEADE KS 67864				
-----					
A__ 11926	00	IRR	NK	G	
>	DAVID BRYANT				
>	PO BOX 87				
>	COPELAND KS 67837				
-----					
A__ 25128	00	IRR	NK	G	
>	STAPLETON FARMS INC				
>	RYAN STAPLETON - AGENT				
>	PO BOX 655				
>	MEADE KS 67864				
-----					

INPUTS	
Target Section Definition	
Section	29
Township	31
Range	31
Range Direction	W
Target Point Coordinates (NAD27 or NAD83)	
Target Longitude	-100.725210
Target Latitude	37.315220

Load Data and Compute

#### Instructions

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

Loaded Section Data From LEOBASE using <b>NAD83</b>		
Corner	Corner Latitudes	Corner Longitudes
SW	37.31499308	-100.72586725
NW	37.32948925	-100.72573045
NE	37.32956535	-100.70758699
SE	37.31499325	-100.70772479
Degrees Longitude per Foot		3.43875310E-06
Degrees Latitude per Foot		2.74641210E-06
Target Point Distances from Corners using NAD83		
Corner	Feet North(+)/South(-)	Feet East(-)/West(+)
SW	83	-191
NW	-5196	-151
NE	-5223	5125
SE	83	5085

Target point is In Section

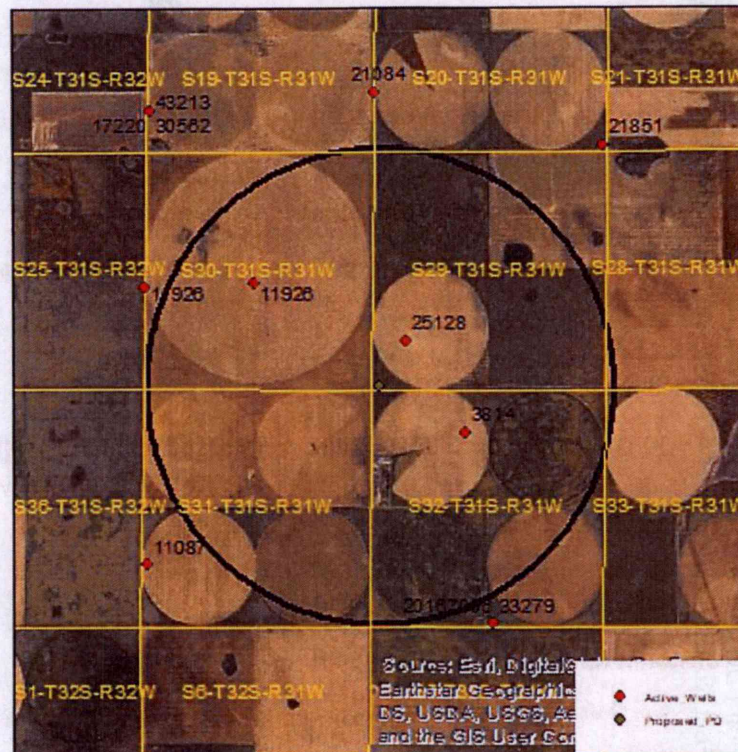
Loaded Section Data From LEOBASE using <b>NAD27</b>		
Corner	Corner Latitudes	Corner Longitudes
SW	37.31497200	-100.72543300
NW	37.32946800	-100.72529600
NE	37.32954400	-100.70715300
SE	37.31497200	-100.70729100
Degrees Longitude per Foot		3.43875213E-06
Degrees Latitude per Foot		2.74598553E-06
Target Point Distances from Corners using NAD27		
Corner	Feet North(+)/South(-)	Feet East(-)/West(+)
SW	90	-65
NW	-5189	-25
NE	-5216	5251
SE	90	5211

Target point is In Section

Difference (NAD83 Minus NAD27)		
Corner	Corner Latitudes	Corner Longitudes
SW	0.00002108	-0.00043425
NW	0.00002125	-0.00043445
NE	0.00002135	-0.00043399
SE	0.00002125	-0.00043379
Difference (NAD83 Minus NAD27)		
Corner	Feet North(+)/South(-)	Feet East(-)/West(+)
SW	-7.68949612	-126.28122007
NW	-6.93146798	-126.33939190

## Evaluation of proposed move for Water Right Nos 25128

Proposed: Move water right number 25128 a distance of 1152 ft to the southwest.



Wells within 1 mile: 3814, 11926.

The saturated thickness at the proposed well location is estimated to be 241 ft, based upon water table elevation obtained from a monitoring well located 10,739 ft away, in section 8-32-31.

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

$S = 0.08964$ ,  $T = 27,460$  gpd/ft,  $tp_{\text{current}} = 145$  days (based upon observed rate and reported quantity),  $Q_{\text{current}} = 324$  gpm (based upon observation during 2016 field visit),  $tp_{\text{proposed}} = 87$  days,  $Q_{\text{proposed}} = 1825$  gpm.

3814:  $r_{\text{current}} = 2463$  ft,  $r_{\text{proposed}} = 2220$  ft.

Drawdown from current location = 3.63 ft

Drawdown from proposed location = 14.18 ft

Net drawdown = **10.6 ft**

11926:  $r_{\text{current}} = 3638$  ft,  $r_{\text{proposed}} = 3620$  ft.

Drawdown from current location = 2.87 ft

Drawdown from proposed location = 9.99 ft

Net drawdown = **7.1 ft**

Both well effects exceed the drawdown allowance of 4.0 ft and are likely to be impaired by the proposed change if they are found to be critical wells.

**Critical Well Evaluation:**

3814:

Water column = 135 ft (based upon water elevation found in monitoring well and well depth from driller's log)

DP = 9.7 ft (based upon 25 year Theis calculation using the above parameters)

DE = 40.1ft (based upon projected water table declines from 2019-2044 using the GMD3 model)

DD = 48.0 ft

Parameters used to calculate dynamic drawdown:

S = 0.1101, T = 72,011 gpd/ft, r = 1 ft, Q = 1260 gpm (based upon 2016 field visit), tp = 97 days (based upon average reported use at observed rate), well efficiency = 70%

Total drawdown = **97.8 ft**

Physical drawdown constraint (PDC) = 135 ft – 60 ft = 75 ft

Economic drawdown constraint (EDC) = 135 ft \* 0.4 = 54 ft

The EDC is less than the PDC, so it governs and the maximum allowable total drawdown is **54 ft**.

The total drawdown of 97.8 ft exceeds the allowable drawdown of 54 ft, so **this well is critical**. This well is owned by the same owner proposing the change, so the move still may be allowable. The owner should know that it is likely this move will significantly reduce production capabilities of the well authorized under 3814.

11926:

Water column = 228 ft (no driller's log available, so saturated thickness from the GMD3 model was used)

DP = 6.2 ft (based upon 25 year Theis calculation using the above parameters)

DE = 44.8 ft (based upon projected water table declines from 2019-2044 using the GMD3 model)

DD = 44.8 ft

Parameters used to calculation dynamic drawdown:

S = 0.2345, T = 66, 558 gpd/ft, r = 1 ft, Q = 903 gpm (based upon 2016 field visit), tp = 136 days (based upon average reported use at observed rate), well efficiency = 70%

Total drawdown = **87.1 ft**

Physical drawdown constraint (PDC) = 228 ft – 60 ft = 168 ft

Economic drawdown constraint (EDC) = 228 ft \* 0.4 = 91.2 ft

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FEB 07 2019

Garden City Field Office  
Division of Water Resources

The EDC is less than the PDC, so it governs and the maximum allowable total drawdown is **91.2 ft**.

The total drawdown of 87.1 ft is less than the allowable drawdown of 91.2 ft, so **this well is not critical**.

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 22, 2019

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

Re: Water Right File No. 25128

Dear Mr. Norquest;

This is to advise you that <sup>Rossen</sup> ~~Charles P. Brecheisen Estate~~ have filed applications for approval of the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, to change the point of diversion for the above referenced files.

We are delaying action on the change application to allow you time to review and provide a recommendation. Based on information in the files, it appears there are no wells within one half mile. Please submit a recommendation within 15 days.

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". The signature is fluid and cursive, with a long horizontal flourish extending to the right.

Michael A. Meyer  
Water Commissioner

MAM  
Enclosures

## Meyer, Mike [KDA]

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**From:** Meyer, Mike [KDA]  
**Sent:** Tuesday, January 22, 2019 10:21 AM  
**To:** 'Norquest, Jason (Norquest@gmd3.org)'  
**Subject:** Request for recommendation, File No. 25128  
**Attachments:** 20190122100711618.pdf

Good morning

Please see the attached request and application for change in point of diversion.

All known nearby wells are the owners of the water right. All owners of the water right signed the application, therefore should be aware of the redrill proposal.

No nearby letters were sent to these water right owners.

Have a good day

*Mike*