# Kansas Department of Agriculture Division of Water Resources

# CHANGE: PD WORKSHEET & ACTION TRAIL MODIFICATION Landowner Modification

Document Signature <u>LPL</u>	Landow	iner ("lodific	271011	
1. File Number: FI 036	2. Status Change Date: 2/6/2017	3. Change Num:	4. Field Office:	5. GMD: <b>03</b>
6. Status: Approved D	enied by DWR/GMD	⊠ Dismiss by Requ	uest	7. Filing Date of Change: <b>11/24/14</b>
8a. Applicant(s) New to system □  WORF LAND LLC	Person ID 56534 Add Seq#	8c. Landown New to sy		Person IDAdd Seq#
MARK WORF CO-MGF 1407 MELS DR GARDEN CITY KS 678				
8b. Landowner(s) New to system   Subdivision (04) Field Office 4	Person ID _3912 Add Seq#	New to sy  NO CH WORF MARK 1407 M	HANGE LAND LLC WORF CO-MGF IELS DR EN CITY KS 678	
9. Documents and Enclosure(s):	DWR Meter(s) Date to Cor	nply:	N & P Date	to Comply:
☐ Anti-Reverse Meter ☐ Met Letter	er Seal	□ N & P Form	☐ Water Tube ☐	] Driller Copy ☐ H & E
Conservation Plan Date Req	uired:	Date Approved:	Date	e to Comply:
10. Use Made of Water From:		To	0:	
ACTION TRAIL ENTRY: WATER RI	GHT RESERVED FROM F SEE DOCUMARE D FOR DETAILS	PLACE OF USE DEEDS)	Date Prepared: <b>1/2</b> Date Entered: ス <b>/</b> &	

#### KANSAS DEPARTMENT OF AGRICULTURE **Division of Water Resources**

#### MEMORANDUM

TO:Files

DATE:

January 25, 2017

FROM: Leslie Ireland

RE: Vested Right, File Nos. FI 036; FI 039 & FI 040

On November 24, 2014, Mark Worf on behalf of Worf Land LLC, 1407, filed application to change the points of diversion authorized for irrigation use.

The applications for change were to construct a new well for the referenced files as the city has grown resulting in the points of diversion to be plugged due to infrastructure. The rights are withheld from the authorized place of use and the place of use has also been consumed by the infrastructure.

It would appear that the changes were filed to assure the rights would remain in good standing with regard to abandonment. The owner was informed that the change to the statute. K.S.A. 85a-718(e), Abandonment of water rights; notices; bearing review of action, would not require a change to facilitate a point of diversion and the rights would comply with K.A.R. 5-7-1, Due and sufficient cause for nonuse, as the rights are in an area closed by order of the Chief Engineer.

After explaining the new statue to the owner they determined that they did not want to change the points of diversion that are authorized and submitted a request to voluntary dismiss the applications for change.

The database should be updated to show that the rights referenced above have been withheld from the authorized place of use per the per the deeds submitted to the office of the Chief Engineer on April 27, 2015

Based on the above discussion, it is recommended that the applications to change the points of diversion filed on November 24, 2014, for the referenced files, be dismissed.

Leslie Ireland

Kestie Jule of

**Environmental Scientist** 

Water Appropriation Program

1320 Research Park Drive Manhattan, Kansas 66502 (785) 564-6700



900 SW Jackson, Room 456 Topeka, Kansas 66612 (785) 296-3556

Jackie McClaskey, Secretary

Governor Sam Brownback

February 9, 2017

WORF LAND LLC MARK WORF CO-MGR 1407 MELS DR GARDEN CITY KS 67846

**FILE COPY** 

RE: Vested Right, File Nos. FI 036; FI 039 & FI 040

Dear Mr. Worf:

Enclosed are the Findings and Orders by the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, regarding the Applications for Change under the referenced files.

Your request for the voluntary withdraw of the November 24, 2014, applications for change in point of diversion under the referenced files, was received in the office of the Chief Engineer on January 17, 2017, and has been processed in accordance with your request. The November 24, 2014, *Application to Change the Point of Diversion* for each of the referenced files has been dismissed and any priority held by the applications for change has been forfeited.

Please be reminded that the annual water use report must be submitted to this office. This report must provide a record indicating the amount of water used or one of the circumstances for nonuse as listed in K.A.R. 5-7-1, Due and sufficient cause for nonuse, must be listed on the report. It appears circumstance number 11 of this regulation which states the rights are located within an area of the state that is closed to by regulation or order of the Chief Engineer, would match your reason for due and sufficient cause for nonuse under the referenced files. Please be reminded that said information should be **furnished to the Chief Engineer by March 1** following the end of the previous calendar year.

If you have any questions, please contact Leslie Ireland at (785) 564-6633. If you wish to discuss a specific file, please have the file number ready so that we may help you more efficiently.

Sincerely,

Change Application Unit Supervisor

BAT:LI:li Enclosures

pc: Garden City Field Office

Groundwater Management District No. 3

#### THE STATE



#### OF KANSAS

## KANSAS DEPARTMENT OF AGRICULTURE

Jackie McClaskey, Secretary of Agriculture

**DIVISION OF WATER RESOURCES**David W. Barfield, Chief Engineer

FINDINGS AND ORDER
IN THE MATTER OF THE DISMISSAL
OF AN APPLICATION FOR APPROVAL
TO CHANGE THE AUTHORIZED
POINT OF DIVERSION
UNDER VESTED RIGHT, FILE NO. FI 036



After due consideration, the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture (hereinafter referred to as the "Chief Engineer"), makes the following findings and order:

#### **FINDINGS**

- 1. That on January 27, 1955, the Chief Engineer, in accordance with K.S.A. 82a-704a, issued an order determining and establishing a vested right, then identified as Vested Right, Code 6236, Finney County, now identified as Vested Right, File No. FI 036, to continue the beneficial use of groundwater for irrigation use.
- That on November 24, 2014, Mark Worf on behalf of Worf Land LLC, 1407 Mels Drive, Garden City, Kansas 67846, owner of the place of use authorized under the Vested Right referenced in paragraph No. 1, filed an Application for Approval to Change the Point of Diversion Under an Existing Water Right (Application), for the file described in paragraph No. 1 of these findings.
- 3. That by means of a written request dated January 11, 2017, and received in the Office of the Chief Engineer on January 17, 2017, Mark Worf on behalf of Worf Land LLC, requested to withdraw the Application described in paragraph No. 2 of these findings.

#### <u>ORDER</u>

NOW, THEREFORE, It is the decision and order of the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, that effective the date of this order, the Application for Approval to Change the Point of Diversion Under an Existing Water Right, received in the Office of the Chief Engineer on November 24, 2014, under Vested Right, File No. FI 036, shall be dismissed and its priority forfeited.

In all other respects, the Certificate of Appropriation for Beneficial Use of Water, issued pursuant to irrigation use under Vested Right, File No. FI 036, dated January 27, 1955, remains as authorized.

This is a final agency action. If you choose to appeal this decision or any finding or part thereof, you must do so by filing a petition for review in the manner prescribed by the Kansas Act for Judicial Review and Civil Enforcement of Agency Actions (KJRA K.S.A. 77-601 et seq) within 30 days of service of this order. Your appeal must be made with the appropriate district court for the district of Kansas.

Ordered this & day of February, 2017, at Topeka, Shawnee County, Kansas.

Lane P. Letourneau, P.G.
Program Manager
Division of Water Resources

Kansas Department of Agriculture

State of Kansas

SS

County of Riley

The foregoing instrument was acknowledged before me this of the brand, 2017, by Lane P. Letourneau, P.G., Program Manager, Division of Water Resources, Kansas Department of Agriculture.



#### CERTIFICATE OF SERVICE

On this day of John American, 2017, I hereby certify that the foregoing Findings and Order in the Matter of the Dismissal of an Application for Approval to Change the Authorized Point of Diversion Under an Existing Water Right, for Vested Right, File No. FI 036, was mailed postage prepaid, first class, US mail to the following:

Worf Land LLC Mark Worf Co-Mgr 1407 Mels Drive Garden City, KS 67846

With photocopies sent to:

Garden City Field Office
Groundwater Management District No. 3

Division of Water Resources

# Voluntary Dismissal of an Application for Change in Point of Diversion

	January 11, 2017
	(Date)
Kansas Department of Agriculture Division of Water Resources 1320 Research Park Drive Manhattan, Kansas 66502	
	RE: Application for Change in Point of Diversion, File No. FI 036, FI 039, FI 040
Chief Engineer:	
I am submitting this statement in regard to	
the Authorized Point of Diversion, File No. FI	036, Fl 039, Fl 040 l am
the applicant who filed this application. I nov	w wish to voluntarily withdraw that
application. I realize such withdrawal means th	e application will be dismissed and
whatever priority it may have had will be forfeit	
	• •
Change the Point of Diversion, Vested File No. <u>FI (</u>	<u> 136, F1 039, F1 040</u>
Sincerely,	14
Mark Worf, Worf Land LLC	Mak Worf (Applicant)
(Applicant)	(Applicant) $V$
1407 Mels Drive WATER RESOURCES RECEIVED	
(Mailing Address) JAN 1 7 2017	(Mailing Address)
Garden City KS 67846	
(City, State, Zip) KS DEPT OF AGRICULTURE	(City, State, Zip)
(Applicant)	(Applicant)
, approarry	(r ppinoant)
(Mailing Address)	(Mailing Address)
·	-
(City, State, Zip)	(City, State, Zip)
	RECEIVE

DWR 1-500.6 (Revised 06/16/2014)

JAN 1 1 2017



1320 Research Park Drive Manhattan, Kansas 66502 (785) 564-6700

900 SW Jackson, Room 456 Topeka, Kansas 66612 (785) 296-3556

Jackie McClaskey, Secretary

Governor Sam Brownback

December 28, 2016

WORF LAND LLC MARK WORF CO-MGR 1407 MELS DR GARDEN CITY KS 67846

Vested Right, File Nos. FI 036, FI 039 & FI 040 RE:

Dear Mr. Worf:

Reference is made to the applications for the approval of the Chief Engineer to change the points of diversion under the referenced files which were received in this office on November 24, 2014. In a letter dated May 12, 2016, the Southwest Kansas Groundwater Management District No. 3 (GMD3) recommended approval of the proposed applications for change and waiver of K.A.R. 5-23-3, Minimum well spacing requirements: high plains aguifer, with the additional stipulation that the authorized quantity be restricted to the acres that remain for irrigation use.

In summary, GMD3 recommended approval of the changes for the referenced files authorization of one (1) well to be constructed in the in the Northeast Quarter of the Southeast Quarter of the Northeast Quarter (NE½ SE½ NE½) of Section 9, to be located approximately 3,464 feet North and 265 feet West of the Southeast corner of said section in Township 24 South, Range 32 West, Finney County, to be authorized by the referenced files. Their recommendation indicated the Board supported a waiver of K.A.R. 5-23-3(a)(1), but conditioned the waiver with a restriction on the usage to a quantity reasonable for the acres available for irrigation use. Their recommendation stated that there are 35 acres of land available to be irrigated and required the quantity to be restricted to that reasonable for the land available for irrigation use. In Finney County the quantity reasonable for irrigation use as defined by K.A.R. 5-3-23, Maximum reasonable annual quantity approvable for irrigation use for an application for change in place of use and a request to reduce a water right, would allow is two (2) acre-feet per acre. The 35 acres which appear to be available for irrigation use, would allow for 70 acre-feet to be put to beneficial use as irrigation use.

Please be advised that on July 1, 2012, K.S.A. 82a-718, Abandonment of water rights; notices; hearing; review of actions; exceptions, was modified to allow the closer of an area to new appropriations to be due and sufficient cause for nonuse and water rights located in the closed area shall not be deemed abandoned. The referenced files are located in an area that is closed to new appropriations, therefor will not be deemed abandoned for nonuse.

Should you choose to proceed with the pending applications for change the recommendation of GMD3 will be applied.

In light of the recommendation by GMD3 and further review of the rights, it appears several options would be available to proceed with the processing of the applications. To aide you in your decision a summary sheet and list of several options has been enclosed for your use in determining your course of action.

Please contact Michael Meyer, Water Commissioner, in our Garden City Field Office, at (620) 276-2901 to schedule an appointment so the may assist you with the modification of the applications referenced above.

You have a period of 15 days (until January 12, 2017) to either (1) submit the applications with a modification of the proposed changes or (2) to request additional time beyond the 15 days to modify and return the applications. If you wish to request additional time, you must do so in writing, before the 15 day period expires. Such a request should state what steps are being taken to obtain the information and the amount of time you will need to supply the information to our office.

If you do submit additional information within the 15 day period (or any authorized extension), that information will be given due consideration prior to final action on the applications.

If you have any questions, please contact our office, my desk phone is (785) 564-6633, or you may contact me via email at Leslie Ireland@ks.gov. Please reference your file numbers when contacting our offices so that we may help you more efficiently.

Sincerely,

Leslie Ireland

Change Application

Water Appropriation Program

LI:li

Enclosures

pc:

Garden City Field Office

Groundwater Management District No. 3

## KANSAS DEPARTMENT OF AGRICULTURE Division of Water Resources

## VESTED RIGHT, FILE NOS. FI 036, FI 039 & FI 040 SUMMARY & OPTIONS

#### **SUMMARY**

The referenced files each authorize a blanket quantity and rate with no additional limitations. They overlap in point of diversion authorizing two wells.

(NW¼ SW¼ SE¼) of Section 9, in Township 24 South, Range 32 W, Finney County. WRIS ID 6 (NW¼ SW¼ NE¼) of Section 9, in Township 24 South, Range 32 W, Finney County. WRIS ID 7

Authorizing a combined total of 480 acre-feet.

FILE NO.	QUANTITY, AF	RATE, GPM
FI 036	176	750
FI 039	154	1000
FI 040	150	1000

The referenced files are located in the Ark River Intensive Groundwater Utilization Control Area.

It appears the wells have been plugged as the South well is under a shopping development and the North well is under a parking lot. Per the Southwest Kansas Groundwater Management District No. 3, (GMD3) Memo Change Review.

The rights are authorized to irrigate 196 acres in the East half of Section 9, Township 24 South Range 32 West, Finney County. Records indicate the rights have been withheld by deed from the authorized place of use.

A review and Email dated May 23, 2016, Mike Meyer, Water Commissioner, Garden City Field Office determined the total acres perfect to be 202.5 acres. Assigning the acres per right and estimate of water available by another use per the criteria for a change in the use made of water.

FILE NO.	ACRES IRRIGATED	K.A.R. 5-5-9 QUANTITY, AF
FI 036	58.0	70.18
FI 039	77.0	93.17
FI 040	67.5	81.68

The November 24, 201, applications for change are to drill a new well to be constructed in the Northeast Quarter of the Southeast Quarter of the Northeast Quarter (NE¼ SE¼ NE½) of Section 9, approximately 3,464 feet North and 265 feet West of the Southeast corner of Section 9, in Township 24 South, Range 32 W, Finney County. The GMD letter dated May 12, 2016 indicates owners wants to keep the water rights intact, but stated he needs to move the diversions due to the development in the area. This would result in 480 acre-feet to be authorized by the new well.

The move to the East and Northeast from the existing wells is approximately 2,067 feet from the North well and 3,200 feet from the South well, but the rights have a blanket quantity, the South well could be reduced resulting in a move that complies with K.A.R. 5-23-3(b), *Minimum well spacing requirements, high plains aquifer*, as one of the wells are less than 2,640 feet from the presently authorized and completed North point of diversion.

The proposed changes in point of diversion have been recommended for approval by GMD3. They have recommended all three rights move to the proposed well with the 480 acre-feet which requires 2,300 feet of spacing to nearby wells. As there is a junior right, File No. 12,806 located 1,820 feet to the South of the proposed well, so a waiver of K.A.R. 5-23-3(a)(1) was recommended by the Board of GMD 3. The Board recommended an additional condition restricting the irrigation quantity to the acres available, due to the concerns of the neighboring water rights owners about the amount of water that is authorized in comparison to the current acres still available to be watered.

It appears 35 acres remain within the currently authorized place of use indicating 70 acre-feet authorized from the new well and used for the options.

#### **OPTIONS**

#### Option 1 Withdraw applications for change

The referenced files are located in an area that is closed to new appropriations, therefor will not be deemed abandoned for nonuse. Withdrawing the applications for change will not jeopardize the rights as long as the statute K.S.A. 82a-718, *Abandonment of water rights; notices; hearing; review of actions; exceptions*, remains as adopted. Annual water use reports need to be filed.

## Option 2 Modify change applications assigning quantity and rate for two wells. Assign a quantity to the new well that correlates to the to the acres that will be authorized.

The assignment can be one right or any combination of rights as long as the new well is authorized a quantity reasonable for the acres that will be irrigated. In this area, 2 acre-foot of water per acre is considered reasonable. Authorized the new well under File No. FI 040 and retain the South well by modifying the applications for change. These examples are based on 35 acres of irrigated land. No waiver needed.

#### Example 2a

<b>New Well</b>	NE SE N	NE 9-24-32W
-----------------	---------	-------------

File No.	Quantity, AF	Rate, gpm
FI 040	70	500

#### Existing Well ID 6 NW SE SE 9-24-32W

File No.	Quantity, AF	Rate, gpm
FI 036	176	750
FI 039	154	1000
FI 040	80	500

#### Example 2b

#### New Well NE SE NE 9-24-32W

<u>File No.</u>	Quantity, AF	<u>Rate, gpm</u>
FI 036	20	To be determined
FI 039	20	To be determined
FI 040	30	To be determined

#### Existing Well ID 6 NW SE SE 9-24-32W

File No.	Quantity, AF	Rate, gpm
FI 036	156	To be determined
FI 039	- 134	To be determined
FI 040	130	To be determined

Kansas Department of Agriculture 1320 Research Park Drive Manhattan, KS 66502-5000

May 13, 2015

RE: Vested Right, File Nos. FI 036; FI 039 and FI 040

Attention: Leslie Ireland

Dear Leslie,

In reference to our conversation on May 4, 2015.

The following are the addresses for the domestic wells that are referenced on the map that you provided.

1. Kansas Schneider Family LLC, PO Box 457, Stillwater OK, 740764-0457

- 2. The house has been demolished, and it appears the well has been capped. We were not able to locate the well. This land is now part of a housing development that is under construction.
- 3. Merle and Polly Witt, 3360 E US Highway 50, Garden City KS, 67846
- 4. Grace Bible Church, 2595 N Jennie Barker Road, Garden City, KS 67846
- 5. Worf Land LLC, 1407 Mel's Drive, Garden City, KS 67846

Thank you for your assistance.

Sincerely,

Mark Worf

Co-manager, Worf Land LLC

WATER RESOURCES RECEIVED

MAY 2 0 2015

KS DEPT OF AGRICULTURE

#### Ireland, Leslie

From:

Ireland, Leslie

Sent:

Friday, April 15, 2016 9:09 AM

To:

'Jason Norquest'

Subject:

RE: 25196

Jason,

Thank you for the update and all the work or Worf.

You have a great weekend too.. the rain should help with you getting some much needed rest.

Leslie

From: Jason Norquest [mailto:norquest@gmd3.org]

Sent: Friday, April 15, 2016 9:07 AM

To: Ireland, Leslie <Leslie.Ireland@KDA.KS.GOV>

Subject: RE: 25196

Getting out and just relaxing sounds good, don't know when that will happen for me. Spent Sunday through Wednesday in Washington DC at a meeting. Got back very late on Wednesday evening and then had to get ready for Board meeting Thursday. Hoping they are right for the rain coming this weekend, we really need it.

I will put everything from the review together and send it to Brent. Hope to do that today, but still in catch up mode.

I will also try to get the Worf letter to you. We did talk about it yesterday as well. A quick summary is that the Board approved the move, but limit the quantity on that well to only the amount needed for the acres he can water. Leave the rest on the other PD, since it can be preserved there and we would not have a spacing issue either. I will try to get that in a letter for you too.

You have a good weekend!!!

## Jason Norquest

Assistant Manager, GMD3

Office: 620-275-7147 Cell: 620-271-1289

norquest@gmd3.org

www.gmd3.org

From: Ireland, Leslie [mailto:Leslie.Ireland@KDA.KS.GOV]

Sent: Friday, April 15, 2016 8:05 AM

To: Jason Norquest Subject: RE: 25196

Jason,

I was out of the office, just too nice to not be outside. I'm not working that change, not sure who is.. so probably best to send it to Brent as Change Unit Supervisor.

Hope you have a great weekend. Any resolution to the Worf applications? FI 36, FI 39 & FI 40? You can call if it would be easier.

Leslie Ireland, Environmental Scientist II Kansas Department of Agriculture Division of Water Resources - Change Unit (785) 564-6633 Leslie.Ireland@kda.ks.gov www.agriculture.ks.gov

From: Jason Norquest [mailto:norquest@gmd3.org]

Sent: Thursday, April 14, 2016 2:33 PM

To: Ireland, Leslie < Leslie.Ireland@KDA.KS.GOV >

**Subject: 25196** 

Good afternoon Leslie. I was wondering if you know who was assigned the change app for 25196, John Abel. They are wanting to move 25196 down to a well that was just vacated by WR4809. It don't meet spacing to each other and the applicant requested a review, even though it needs to go through your process. We did review the app today and I was getting ready to send up our information to whoever was assigned it. We did send out notices to folks within a mile as well.

Just wondering who I should send it to. Have a good day and thanks for the help.

### Jason Norquest

Assistant Manager, GMD3

Office: 620-275-7147 Cell: 620-271-1289

norquest@gmd3.org

www.gmd3.org

#### Ireland, Leslie

From:

Meyer, Mike

Sent:

Tuesday, March 29, 2016 10:31 AM

To:

Ireland, Leslie

Subject:

FW: Additional Information, change app's FI036, FL039 & FI040

#### Mike

From: Meyer, Mike

Sent: Tuesday, March 29, 2016 10:25 AM

To: Mark Rude; Large, Robert

Cc: Norquest, Jason; Letourneau, Lane; Turney, Brent; Garner, Leslie (Leslie.Garner@KDA.KS.GOV); Mark

Subject: RE: Additional Information, change app's FI036, FL039 & FI040

Mark Rude, good morning,

not sure if I follow

Currently, the application has been reviewed and does not meet spacing rules and was requested a recommendation to your office for comment. We have not received comment from the board on this specific item addressed in the rules. We have also not heard from Mr. Worf as our last letter dated February 24, 2016 requested to resolve this application that does not meet the rules.

We was hoping at least that we would received a recommendation by board on the spacing criteria, <u>or have the application modified by Mr. Worf to meet spacing</u> and then work on what is reasonable as you stated below.

Again the application is not in proper form or approvable and have not received a recommendation by the board.

Let me know how I can help resolve this long standing application pending since November 24, 2014

Thank you Leslie for reminding the parties of the deadlines in place that would have resulted in dismissal of this application.

#### Mike

From: Mark Rude [mailto:mrude@gmd3.org]
Sent: Tuesday, March 29, 2016 10:12 AM

To: Meyer, Mike; Large, Robert

Cc: Norquest, Jason; Letourneau, Lane; Turney, Brent; Garner, Leslie (Leslie.Garner@KDA.KS.GOV); Mark

**Subject:** FW: Additional Information, change app's FI036, FL039 & FI040

#### Good morning Mike,

I think we here at GMD3 are looking at Mr. Warf's request and thinking there are solid rights owned by the applicant, that the rights are severed from the land listed in connection with these old irrigation rights, the law grantees due cause for non-use, and only a portion of the existing rights can be reasonably committed to the acres proposed to be irrigated. Preserving the rights not needed and not reasonable for use on the portion that can be irrigated by restricting them as conservation condition on an approval order seems possible and appropriate.

There is something reasonably approvable here in the Mark Worf change application. We recommend that DWR authorize what is reasonable, restrict what isn't as a conservation limitation, and proceed with a reasonable approval order. The restricted (conserved) portion would then only become accessible through a future reasonable change

application proposal that is reviewable by us and the neighborhood, just as is the case today. A WRCP does not appear necessary or appropriate is the severed water right can remain with or without a WRCP. A simple water right condition subject to a future change application should do the trick. We suggest an order be drafted and reviewed by the applicant so there is no surprises, then issue the order with the limits.

There is no prohibition in the law for this that I am aware. What do you think?

Mark
Mark E Rude
Executive Director
Southwest Kansas Groundwater Management District No. 3
2009 E Spruce St.
Garden City, Kansas 67846
0 620.275.7147
C 620.272.3001
www.GMD3.org



From: Cox [mailto:mworf@cox.net]
Sent: Monday, March 21, 2016 1:49 PM

To: Mark Rude

Subject: Fwd: Additional Information, change app's FI036, FL039 & FI040

Hi Mark,

Is there anything I need to do? The 30 day extension will be expiring.

Thanks, Mark Worf

Sent from my iPhone

Begin forwarded message:

From: "Meyer, Mike" < Mike. Meyer@KDA.KS.GOV >

Date: February 24, 2016 at 8:03:18 AM CST

To: Mark Rude <mrude@GMD3.org>, "Letourneau, Lane" <Lane.Letourneau@KDA.KS.GOV>, "Turney,

Brent" < Brent.Turney@KDA.KS.GOV >

Cc: Mark < <a href="mailto:mworf@cox.net">mworf@cox.net</a>, "Norquest, Jason" < <a href="mailto:Norquest@gmd3.org">Norquest@gmd3.org</a>> Subject: RE: Additional Information, change app's FI036, FL039 & FI040

#### Good morning

With this request will be sending Mr. Worf a letter confirming a 30 day extension to have the application be put in proper form for further processing. We will review options during this time period.

thanks

#### Mike

From: Mark Rude [mailto:mrude@gmd3.org]
Sent: Friday, February 19, 2016 5:43 PM

To: Letourneau, Lane; Meyer, Mike; Turney, Brent

Cc: Mark

Subject: Additional Information, change app's FI036, FL039 & FI040

#### Ireland, Leslie

From:

Ireland, Leslie

Sent:

Tuesday, May 05, 2015 8:23 AM

To:

Mark

Subject:

RE: Water Right, File Nos. FI 36, 39 & 40 Change Applications

Mark.

Please look at the map in the application for File No. FI 036. The map attempts to show domestic wells located within a half-mile of the well proposed under all of the applications. The information will need to be reviewed and the names and addresses of the owners added to the application/map. The information is from KGS web site and could be dated. When I spoke with Mark Worf he indicated that he knew of two of the wells and the owners.

Good working with you too. Thanks for the reminder about well construction.

Take care, Leslie Ireland, Environmental Scientist II Kansas Department of Agriculture Division of Water Resources - Change Unit (785) 564-6633 Leslie.Ireland@kda.ks.gov www.agriculture.ks.gov

From: Mark [mailto:mworf@cox.net]
Sent: Monday, May 04, 2015 10:06 PM

To: Ireland, Leslie

Subject: RE: Water Right, File Nos. FI 36, 39 & 40 Change Applications

Hi Leslie,

I have the documents that you sent. I will contact Mark Rude and get the documents back to you as quickly as possible.

Thanks for the assistance and working with me. I do appreciate the help.

Thanks, Mark Worf

From: Ireland, Leslie [mailto:Leslie.Ireland@KDA.KS.GOV]

Sent: Monday, May 04, 2015 11:44 AM

To: mworf@cox.net

Subject: Water Right, File Nos. FI 36, 39 & 40 Change Applications

Mark,

Attached is the correct address. Per our conversation, the original applications will have a blue date stamp.

Kansas Department of Agriculture Attn: Leslie Ireland 1320 Research Park Drive Manhattan, Kansas 66502-5000 SCANNED

Leslie Ireland, Environmental Scientist II
Kansas Department of Agriculture
Division of Water Resources - Change Unit
(785) 564-6633
Leslie.Ireland@kda.ks.gov
www.agriculture.ks.gov

Lane, Mike and Brent,

This is in response to a February 8, 2016 letter from Brent to the applicant. The applications involve a situation where the applicant wants to move all three rights out from under the Garden City Walmart parking lot to a proposed new irrigation well. The well does not meet spacing for the total amounts authorized. But will meet spacing for the amount needed to reasonably irrigate the 15 or so acres around the proposed well. So, this creates a reasonableness issue (400 acre feet on 15 acres example) and a well spacing issue. The sticking issue is not spacing so much as it is in need of the administrative mechanism to bind into conservation the unreasonable portion of these rights while allowing some irrigation from the proposed new well.

One concept discussed is to approve the move under the conditions that the remainder of the rights considered unreasonable for the acres proposed to be irrigated will be consensually restrained from use under a WCA order until a subsequent change is filed and order altering the WCA and available water. I have reviewed this with Mark Worf and also with George Rapp, who owns the irrigation well north of the proposed location.

The reasonableness for the acres issue must be resolved before proceeding with these applications. Please do not dismiss these off your desk yet. Consider a WCA and we can then seek a waiver from the board. Please let us know if a WCA can be used for this purpose.

Thanks for your consideration of this added information and WCA request on behalf of the applicant. Mark

Mark E Rude
Executive Director
Southwest Kansas Groundwater Management District No. 3
2009 E Spruce St.
Garden City, Kansas 67846
O 620.275.7147
C 620.272.3001
www.GMD3.org



1320 Research Park Drive Manhattan, Kansas 66502 (785) 564-6700



900 SW Jackson, Room 456 Topeka, Kansas 66612 (785) 296-3556

Jackie McClaskey, Secretary

Governor Sam Brownback

February 24, 2016

WORF LAND LLC MARK WORF 1407 MELS DR GARDEN CITY KS 67846

RE: Vested Right,

File Nos. FI 036, FI 039 and FI 040

Dear Mr. Worf:

This will acknowledge receipt of an email from Mark Rude, GMD No. 3, dated February 19, 2016, in which he requested on your behalf an extension of time until March 23, 2016, to supply additional information regarding your applications.

Based upon the request of Mr. Rude the Chief Engineer has extended until **March 23, 2016**, the time in which to submit additional information before final action will be taken on your applications.

If additional information is not supplied by the deadline, or any authorized extension of time thereof, the applications will be submitted to the Chief Engineer for final action. According to the law, default in supplying the requested information, within the time allowed, shall constitute forfeiture of the priority date and dismissal of the applications.

If you wish to request additional time, you must do so in writing, before the period expires. Such a request should state what steps are being taken to supply the requested information.

In order to bring the applications into compliance with current rules and regulations, I highly recommend that you contact Mike Meyer, Water Commissioner, Garden City Field Office for assistance. You may contact Mr. Meyer at (620) 276-2901 to set up an appointment.

If you have any questions, please contact our office, my phone number is (785) 564-6645. If you wish to discuss a specific file, please have the file number ready so that we may help you more efficiently.

Sincerely.

Change Application Unit Supervisor

Water Appropriation Program

**BAT** 

pc: Garden City Field Office

GMD No. 3

Submit To: CHIEF ENGINEER
Division of Water Resources
Kansas Department of Agriculture
109 SW 9<sup>th</sup> Street, 2nd Floor
Topeka, KS 66612-1283
www.ksda.gov/dwr

DWR 1-120 (Revised 06/29/2009)

#### APPLICATION FOR APPROVAL TO CHANGE THE PLACE OF USE, THE POINT OF DIVERSION OR THE USE MADE OF THE WATER UNDER AN EXISTING WATER RIGHT



Assisted by: \_

SCANNEL

Filing Fee Must Accompany the Application

(Please refer to Fee Schedule on signature page of application form.)

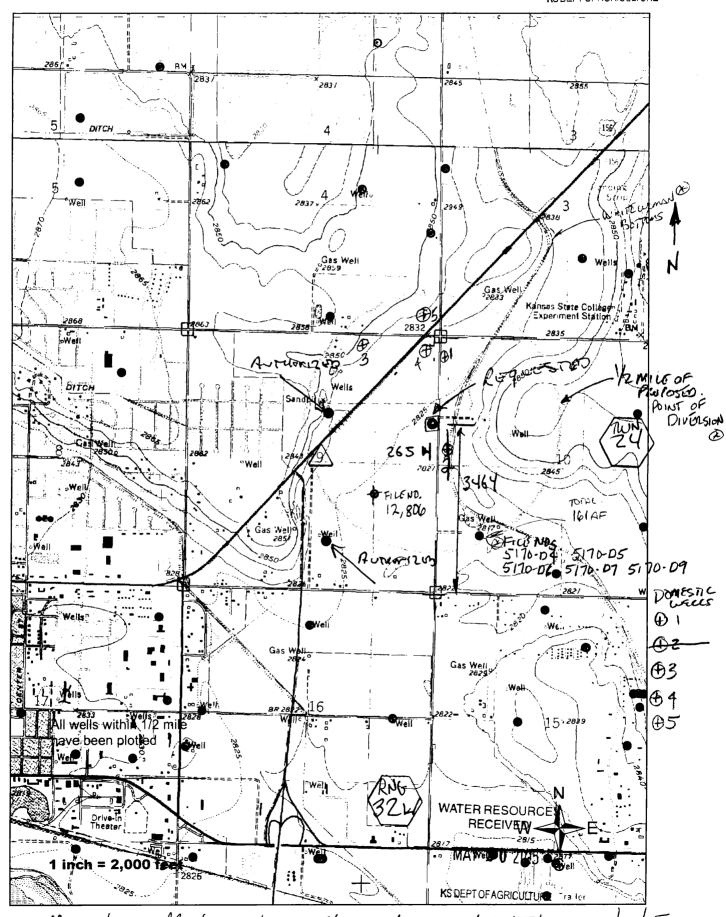
Paragraph Nos. 1, 2, 3, 4 & 8 must be completed. Complete all other applicable portions. A topographic map or detailed plat showing the authorized and proposed points(s) of diversion and /or place of use must accompany this application.

		•		
1.	Application is hereby m	ade for approval of the Chi	ef Engineer to change the	WATER RESOURCES RECEIVED
	(Check one or more)	<ul><li>☑ Point of Diversion</li><li>☐ Use Made of Water</li></ul>	12/28/16	NOV 24 2014 2:17
		File No.	, , , ~	KS DEPT OF AGRICULTURE
	2. Name of applicant:	WORF LAND LLC MARK	WOPF CO-MGR	WATER RESOURCES
	Address: 1407 MELS D	R		_
	City, State and Zip: GA	ARDEN CITY KS 67846		MAY 2 0 2015
	Phone Number: (620)27		E-mail address:	KS DEPT OF AGRICULTURE
	What is your relationshi	p to the water right; \( \subseteq \text{ owr} \)	ner 🗌 tenant 🔲 agent 🔲 other? If othe	er, please explain
3.	Phone Number: (	RDEN CITY KS 67846 ) d herein are desired for the	E-mail address:e following reasons (please be specific): <u>to read wells are both plugged under parking lots</u>	edrill wells ./hich
	The change(s) (will be)	completed by spring 2015	(Date)	
For F.C	Office Use Only:  Office Use Only:  Meets	s K.A.R. 5-5-1 (VES) NO) L Fee \$ 200 T	Jse The Source 6/S County Flore N/24/	By FAR Date R-1-14 14 Check # 1102
				12/4/2014 UM
				•••

## FI36, FI39, FI40

NOV 24 2014

KS DEPT OF AGRICULTURE



all water wells have been shown Mark world LI/OWR

SCANNEL

•				Г:	le No. <u>FI 36</u>	
The presently aut	horized point(	s) of diversion are 2 well	s	(Provide description and numb	er of points)	
The proposed point(s) of diversion is 1 well				(Provide description and numb	er of points)	
List all presently	authorized <sub>l</sub>	point(s) of diversion:		(i rovide description and name	o. o. pointo,	
Presently author	rized point of	diversion:	<del></del>			
One in the	nw_	Quarter of the	sw	Quarter of the	ne	Quarte
of Section	9	, Township	24	South, Range	32	W
n <u>Finney</u>	Co	ounty, Kansas, <u>3750</u>	feet North _	2300 feet West of S	outheast corne	er of section.
		Authorized Quantity				
DWR use only:	Computer ID	No. <u>7</u> GF	PS	feet North	feet W	est)
$\square$ This point wil	I not be chan	nged 🛛 This point wi	ll be changed	as follows:		
Proposed point of	of diversion:	(Complete only if chan	ge is requeste	<u>ed)</u>		
One in the	<u>ne</u>	Quarter of the	se	Quarter of the	ne	Quarte
				South, Range		
n <u>Finney</u>	Co	ounty, Kansas, <u>3464</u>	feet North _	265 feet West of S	outheast corne	er of section.
Proposed Rate		Proposed Quantity _				
This point is: Δ	Additional We	II ☐ Geo Center List o	other water rigl	hts that will use this point !	FI 36, FI 39, FI	40
Presently author	ized point of	diversion:			<del></del>	
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of Section	9	, Township	24	South, Range	32	W
		ounty, Kansas, <u>1125</u>				
			<del></del>	<u> </u>		
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MAY 2 0 2015

NOV 2 4 2014 SCANNEL KS DEPT OF AGRICULTURE

## MELL & PUMP

PO BOX 692, Garden City, Kansas 67846

(620)275-1920

Owner Name:

Mark Worf

Address:

1407 Mels Dr.

City, St. Zip:

Garden City, KS 67846

GPS:

N37.98435 W100.82929

Contact #:

From Old Well:

Mark Worf (620-272-5426)

Location:

SE ¼ 9-24-32 Finney County

Date: 10/14

Date: 10/14

Test Hole: 3-14

Driller: Soukup

Dig Safe#14437948

Static Water Level About:75'

Total Depth: 267'

FROM:	TO:	STRATA:
0	2	Top Soil
2	22	Brown Clay
22	40	Coarse Sand Small Gravel (Loose)
40	45	Cemented Sand
45	54	Medium to Coarse Sand, Small Gravel, Few Cemented Sand Streaks
54	70	Brown Sandy Clay
70	82	Brown Clay
82	100	Medium to Coarse Sand Small Gravel, Few Cemented Sand Streaks
100	111	Medium to Coarse Sand Small Gravel (Loose)
111	127	Brown Clay, Few Very Small Medium to Coarse Sand Streaks
127	136	Medium to Coarse Sand, Small Gravel (Clean- Loose)
136	158	Fine to Medium Sand, Few Small Brown Clay Streaks
158	174	Soft Brown Sandy Clay With Fine to Medium Sand Streaks
174	212	Medium to Coarse Sand, Small Gravel, White Broken Rock (Clean- Loose)
212	219	Brown Clay
219	222	Very Fine to Fine Sand, Few Very Small Brown Clay Streaks  WATER RESOURCES
222	231	Brown Sandy Clay, Fine Sand Streaks
231	240	Brown Clay NOV 2 4 2014
240	250	Medium to Coarse Sand Small Gravel, White Broken Rock Chips
250	262	Brown Sand Clay, Few Medium Sand Streaks With White Broken Rock KS DEPT OF AGRICULTURE
262	267	Yellow Soap Stone
267		Black Shale
		F136, F139, F140
		WATER RESOURCES RECEIVED
		MAY <b>2 0</b> 20!5
		KS DEPT OF AGRICULTURE
		SCANNED

	is proposed that the use be changed to irr	purposes.
	•	V
	changing the place of use and/or use made of water, de	escribe how the consumptive use will not be increased.
na	a	
_		<u>.</u>
_		j.
	Please show any calculations here.)	
lt	is requested that the maximum annual quantity of water	r be reduced to na (acre-feet or million gallons).
lt	is requested that the maximum rate of diversion of water	er be reduced to <u>na</u> gallons per minute ( c.f.s.).
1: Ki D sh	:24,000, is available through the Kansas Geological Sansas 66047-3726 ( <a href="www.usgs.gov">www.usgs.gov</a> ). The map should solistances North and West of the Southeast corner of the hould also be shown. Identify the center of the section, the section of the	or detailed plat. A U.S. Geological Survey Topographic Map, scale Survey, 1930 Constant Avenue, University of Kansas, Lawrence, show the location of the presently authorized point(s) of diversion. The section must be shown. The presently authorized place of use the section lines and the section corners and show the appropriate dition the following information must also be shown on the map.
a.	. If a change in the location of the point(s) of diversion i	is proposed, show:
	<ol> <li>The location of the proposed point(s) of diversion must be shown. Please be certain that the info Paragraph Nos. 9, 10 and 11 of the application.</li> </ol>	n. Distances North and West of the Southeast corner of the section ormation shown on the map agrees with the information shown in
	domestic wells, within ½ mile of the proposed we	show the location of existing water wells of any kind, including rell or wells. Identify each well as to its use and furnish name and . If there are no wells within $\frac{1}{2}$ mile, please indicate so on the map.
	<ol> <li>If the source of supply is surface water, the nam- and ½ mile upstream from your property lines must</li> </ol>	nes and mailing addresses of all landowner(s) $\frac{1}{2}$ mile downstream ust be shown.
b.		proposed place of use by crosshatching on the map. Please be with the information shown in Paragraph No. 5 of the application.
lo w	cal source of supply as to which the water right relates.	nerein will not impair existing water rights and relates to the same . This information may include statements, plats, geology reports, sary information to show the above. Additional comments may be
<u>S</u>	ame aquifer, changing from two wells to one.	
		· )
_		
If	entify the rules and regulations for which you request a quest should be granted. Attach documentation showing	ales and regulations of the Kansas Water Appropriation Act, please a waiver. State the reason why a waiver is needed and why the ng that granting the request will not impair existing water rights and the rest.
id re	ill not prejudicially and unreasonably affect the public inte	RECEIVED.
id re wi	in not projudicially and announced and public inte	NKET CHARTITY I KATE TO OWNER COULD
id re wi <u>m</u>	in not projudicially and announced and public inte	THE RIGHTS TO DNE WELL EMOVE 2,0671) NOV 24 201.

KS DEPT OF A GRICULTURE SCANNED

File No. FI 36

#### Ireland, Leslie

From:

Mark Rude <mrude@gmd3.org>

Sent:

Monday, May 23, 2016 10:27 AM

To: Cc: Ireland, Leslie

Norquest, Jason

Subject:

Worf change applications, FI036 et al

**Attachments:** 

LI FI36+ PD recommend.doc

WATER RESOURCES RECEIVED

MAY 2 3 2016

KS DEPT OF AGRICULTURE

#### Hi Leslie,

Just a follow-up note of clarification, if needed, on Jason's letter (attached) and the thinking for the interesting issues associated with the Mark Worf change applications. From the board discussions on these applications, it was apparent that the water rights are in an area that meet the K.S.A. 82a-718 (e) and therefore have due cause for non-use and shall not be deemed abandoned.

It was also apparent that the applicant wanted to be assured of this status of the property right that has been severed from the land by deed, while only proposing to use a portion of the rights to irrigate the proposed irrigable acreage.

The neighboring well owners (George Rapp meeting with Jason and Mark) had no concern for the limited irrigation and the conservation of groundwater by not exercising the remaining property right, as long as a process was in place to review future changes where they can be notified of future proposals.

Therefore, we suggest the points of diversion be changed to the new proposed point of diversion as recommended through the spacing waiver; that the full amount be relocated and preserved for irrigation use, but limited in the order to an amount considered reasonable for the proposed field acres to be irrigated; and the remaining quantity restricted from use until some future proposal for the purpose of water conservation. Any future proposal would be reviewed under the management program and rules in place at that time. Let us know if you have any questions.

#### Mark

Mark E Rude
Executive Director
Southwest Kansas Groundwater Management District No. 3
2009 E Spruce St.
Garden City, Kansas 67846
O 620.275.7147
C 620.272.3001
www.GMD3.org

Print Page

Back to Search Page --- Home

## Parcel Search Results (Click on the Parcel ID Number for Detailed Results)

Owner Information	Property Address	Property Description	Apr Amount	Prop Class
028-272-09-0-00-01- 005.00-0 Quick Ref ID = 5790 Tax Year = 2015 WORF LAND LLC Owner Mailing Address: 1407 MEL'S DR GARDEN CITY, KS 67846-3364	ACRES=33.2 Neighborhood=356	S09, T24, R32W, ACRES 33.2, BEG 987.3' S OF NE COR NE4 TH S 1649.1' TH W 1295.2' TH NELY 334.6' TH NWLY 184' TH NELY 785.6' TH NWLY 94.2' TH NELY 49.5' TH NWLY 142.1' TH N 423.8' TH E 716' TO POB	\$12,390	Agricultural Use
028-272-09-0-00-01- 005.01-0 Quick Ref ID = 5791 Tax Year = 2015 WORF LAND LLC Owner Mailing Address: 1407 MEL'S DR GARDEN CITY, KS 67846-3364	j	S09, T24, R32W, A TR BEG 60' NELY & 100' NWLY SE COR LOT 1 BLK 1 PRAIRIE CROSSINGS ADD TH NWLY 212'(S) TH E 100'(S) TH SELY 145(S) TH SWLY 60'(s) TO POB	\$50	Agricultural Use
028-272-09-0-00-01- 008.00-0 Quick Ref ID = 5793 Tax Year = 2015 WORF LAND LLC Owner Mailing Address: 1407 MEL'S DR GARDEN CITY, KS 67846-3364		S09, T24, R32W, ACRES 11.06, A TR BEG NE COR PRAIRIE CROSSING NORTH 1ST ADDITION TH SELY 500' TH NELY 167' TH SELY 72.4' TH NELY 588.8' TH N 16.7' TH NWLY 100.9' TH NWLY ON CURVE 313.3' TH W 685.1' TH S 357.8' TH E 111.9" TO POB	\$7,430	Agricultural Use
028-272-09-0-00-01- 008.01-0 Quick Ref ID = 5794 Tax Year = 2015 WORF LAND LLC Owner Mailing Address: 1407 MEL'S DR GARDEN CITY, KS 67846-3364	00000 E KANSAS AVE, Garden City, KS 67846 ACRES=4 Neighborhood=356	PRAIRIE CROSSINGS NORTH ADD 705, S09, T24, R32W, BLOCK 01, Lot 1, ACRES 4, OF THE VACATED PLAT OF PRAIRIE CROSSINGS NORTH ADD NO 1 & A TR BEG NW COR LOT 1 TH S 95.8' TH SELY 475.6' TH NELY 77'(S) TH NWLY 526.1' TO POB & A TR BEG SE COR	\$260	Agricultural Use

		LOT 1 TH NELY 150' TH NWLY 72.4' TH SWLY 150' TH SELY 72.4' TO POB	
Back to Search Pag	re Home		

Parcel Search powered by THOMSON REUTERS

#### **Print Page**

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## The Parcel Number for this Property is 028-272-09-0-00-01-005.00-0 Quick Ref ID: 5790

#### **Owner Information**

Owner Name	WORF LAND LLC
Address	1407 MEL'S DR GARDEN CITY, KS 67846-3364

#### **Property Situs Address**

Address	2300 N JENNIE BARKER RD, Garden City, KS 67846
Audiess	2300 N JENNIE BAKKEK RD, Garden City, KS 67646

#### **Land Based Classification System**

Function	Farming / ranch land (no improvements)			
Activity	Farming, plowing, tilling, harvesting, or related activities			
Ownership Private-fee simple				
Site	Dev Site - crops, grazing etc - no structures			

#### **General Property Information**

Prop Class	Agricultural Use - A
Living Units	
Zoning	A
Neighborhood	356
Tax Unit Group	085

#### **Property Factors**

Topography	Level - 1	
Utilities	Well - 5	
Access	Dirt Road - 3	
Fronting	Secondary Artery - 2	
Location	Neighborhood or Spot - 6	
Parking Type	None - 0	
Parking Quantity	None - 0	
Parking Proximity	Far - 0	
Parking Covered		
Parking Uncovered		

#### 2015 Appraised Value

Class	Land	Building	Total	
Agricultural Use - A	12,390	0	12,390	
Total	12,390	0	12,390	

#### 2014 Appraised Value

Class	Land	Building	Total	
Agricultural Use - A	10,130	0	10,130	
Total	10,130	0	10,130	

#### **Tract Description**

S09, T24, R32W, ACRES 33.2, BEG 987.3' S OF NE COR NE4 TH S 1649.1' TH W 1295.2' TH NELY 334.6' TH NWLY 184' TH NELY 785.6' TH NWLY 94.2' TH NELY 49.5' TH NWLY 142.1' TH N 423.8' TH E 716' TO POB

#### **Deed Information**

Book1	Page1	Book2	Page2	Book3	Page3	Book4	Page4	
0217	0029	0217	0028	0217	0027	0217	0026	

#### **Agricultural Land**

Ag Type	Ag Acres	Soil Unit	Irr Type	Well Depth	Acre Feet	Acre Ft/Ac	Adj Code	Govt Prog	Base Rate	Adj Rate	Ag Value
Irrigated Land - IR	6	1375	F	100	92	1			506	430	2,580
Irrigated Land - IR	27.2	1375	F	100	92	1			506	430	11,700

#### **Ag Land Summary**

Dry Land Acres	0
Irrigated Acres	33.2
Native Grass Acres	0
Tame Grass Acres	0
Total Ag Acres	33.2
Total Ag Use Value	14,280
Total Ag Market Value	99,600

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## The Parcel Number for this Property is 028-272-09-0-00-01-008.00-0 Quick Ref ID: 5793

#### **Owner Information**

Owner Name	WORF LAND LLC
Address	1407 MEL'S DR GARDEN CITY, KS 67846-3364

#### **Property Situs Address**

	1	
Address	ll3210 E MARY, Garden City, KS 67846	
Muuless	13210 E MART, Garden City, KS 67646	

## **Land Based Classification System**

Function	Farming / ranch land (with Ag improvements)			
Activity Farming, plowing, tilling, harvesting, or related activities				
Ownership	Private-fee simple			
Site	Dev Site - crops, grazing etc - no structures			

#### **General Property Information**

Prop Class	Agricultural Use - A
Living Units	
Zoning	A
Neighborhood	356
Tax Unit Group	085

#### **Property Factors**

Topography	Level - 1	
Utilities	None - 8	
Access	Paved Road - 1	
Fronting	Secondary Artery - 2	
Location	Neighborhood or Spot - 6	
Parking Type	None - 0	
Parking Quantity	None - 0	
Parking Proximity	Far - 0	
Parking Covered		
Parking Uncovered		

#### 2015 Appraised Value

Class	Land	Building	Total
Agricultural Use - A	760	6,670	7,430
Total	760	6,670	7,430

#### 2014 Appraised Value

Class	Land	Building	Total
Agricultural Use - A	1,010	6,770	7,780
Total	1,010	6,770	7,780

#### **Tract Description**

S09, T24, R32W, ACRES 11.06, A TR BEG NE COR PRAIRIE CROSSING NORTH 1ST ADDITION TH SELY 500' TH NELY 167' TH SELY 72.4' TH NELY 588.8' TH N 16.7' TH NWLY 100.9' TH NWLY ON CURVE 313.3' TH W 685.1' TH S 357.8' TH E 111.9" TO POB

#### **Deed Information**

Book1	Page1 Book2		Page2	Book3	Page3	Book4	Page4
0217	0029	0217	0028	0217	0217 0027		0026

#### **Other Improvements**

No	Occupancy	MSCIs	Rank	Qty	Yr Blt	Eff Yr	LBCS	Area	Perim	Hgt	Dimensions	Stories	Phys	Func	Econ	OVR%	Rsn	CIs
83	Farm Utility Building	D	2.00	1	1989			1,200	140	12	40 X 30	1	4	4				

### **Other Improvement Components**

No	Code	Units	Pct	Size	Other	Rank	Year
83	No HVAC						
83	Single -Metal on Wood Frame		100				

### **Agricultural Land**

Ag Type	Ag Acres	Soil Unit	Irr Type	Well Depth	Acre Feet	Acre Ft/Ac	Adj Code	Govt Prog	Base Rate	Adj Rate	Ag Value
Dry Land - DR	9.63	1375				0			81	81	780
Dry Land - DR	1.43	1868				0			94	94	130

#### **Ag Land Summary**

Dry Land Acres	11.06
Irrigated Acres	0
Native Grass Acres	0
Tame Grass Acres	0
Total Ag Acres	11.06
Total Ag Use Value	910
Total Ag Market Value	16,600

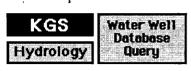
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GROUT Grout Inter What is the 1 Sep 2 See 3 Wa Direction fr FROM 0 2 2 2 36 53 64 80 93 107 224 248	MATERIAL vals: From a nearest so ptic tank wer lines stertight sew rom well? TO 2 22 36 53 64 80 93 107 224 248 260 ACTOR'S Coon (mo/day/	I Neat cem  I Neat cem  I Neat cem  I Lateral li  I Cess por  I Seepage  Southea  Surface  Clay  Med. to  Gipp rock  30% clay,  sand & 50%  clay  med. to l  clay  spots of  clay & fi  gold sandy  OR LANDOWNER'S  year) April	From 1.90 From 26 From	Coment grout  ft., From  7 Pit pri 8 Seway 9 Feedy well  OG  and & gr  d. to la  th med.	it to to to ivy ge lagoo yard  avel rge sand	260 170 3 Bento 0 ft.	tt., Fron ft., F	n	e 16 LITH	ft. to ft	r my jurisdi	ction a	nd was
GROUT Grout Inter What is the 1 Sep 2 See 3 Wa Direction fr FROM 0 2 2 2 36 53 64 80 93 107 224 248	MATERIAL vals: From the properties of the proper	I Neat cem m. 6 ft. burce of possible con 4 Lateral ii 5 Cess possible con 2 Lateral ii 5 Cess possible con 4 Lateral ii 5 Cess possible con 4 Lateral ii 5 Cess possible con 2 Lateral ii 5 Cess possible con 3 Clay 6 Lay 7 med to 7 clay 8 med to 8 clay 8 clay 9 med to 9 clay 9 med to 1 clay 9 spots of 9 clay & fi 9 clay & fi 9 clay & fi 9 clay	From 1.90 From 26 From	Coment grout the from This water	it to .	3 Bento 0 ft.  FROM  FROM  I (1) constru	tt., Fron ft., F	n	e  16 LITH  r (3) pluggethe best of r/_Apri	ft. to ft	r my jurisdi	ction a	ind was Kansas
GROUT Grout Inter What is the 1 Sep 2 See 3 Wa Direction fr FROM 0 2 2 2 36 53 64 80 93 107 224 248	MATERIAL vals: From the interior results of the interi	I Neat cem  I Neat cem  I Neat cem  I Neat cem  I Lateral ii  I S Cess poor  I Clay  I S Cl	From 1.90 From 26 From 26 From 26 Internation: Ines Ines Ines Ines Ines Ines Ines Ines	Coment grout  ft., From  7 Pit pri 8 Seway 9 Feedy well  OG  and & gr  d. to la  th med.  ON: This water 7  This Water 7  This Water 7	t to t vel avel sand well was vice t to .	3 Bento 0 ft.  FROM  FROM  (1) constru	tt., Fron ft., F	nn  Other  In the cook pensitorage per storage per stora	e 16 LITH	of t. to  ft. to  14 Ab  15 Oil  16 Oth  OLOGIC  and under my know  1. 28	r my jurisdi	ction a	nd was
GROUT Grout Inter What is the Sep 2 See 3 Wa Direction fr FROM O 2 2 22 36 53 64 80 93 107 224 248 7 CONTR completed water Well under the builder the	MATERIAL vals: From nearest so ptic tank wer lines stertight sew rom well? TO 2 22 36 53 64  80 93 107 224 248 260  ACTOR'S Coon (mo/day/ Contractor'	I Neat cem  I Neat cem  I Neat cem  I Lateral li  I Cess por  I Seepage  Southea  Surface  Clay  Med. to  Gipp rock  30% clay,  sand & 50%  clay  Med. to 1  clay  Spots of  Clay & fi  Gold sandy  OR LANDOWNER'S  Year) April  S License No	From 1.90 From 26 From	Coment grout  ft., From  7 Pit pri 8 Seway 9 Feedy ew well  OG  and & gr  d. to la  th med.  ON: This water of the thin wate	it to to	260 170 3 Bento 0 ft.	tt., Fron ft., F	nn  Other ft., Frock pens storage zer zer storage zer storage zer storage zer storage zer storage zer zer zer zer zer zer zer zer zer ze	e  16' LITH  (3) pluggethe best of (7) Apri	ed under my known. 1. 28	r my jurisdi	ction a belief.	ind was Kansas
GROUT Grout Inter What is the 1 Sep 2 See 3 Wa Direction fr FROM 0 2 2 2 36 53 64 80 93 107 224 248 7 CONTR completed 6 Water Well under the businstration	MATERIAL vals: From nearest so ptic tank wer lines stertight sew rom well? TO 2 22 36 53 64  80 93 107 224 248 260  ACTOR'S Coon (mo/day/ Contractor'	I Neat cem  I Neat cem  I Neat cem  I Neat cem  I Lateral ii  I S Cess poor  I Clay  I S Cl	From 1.90 From 26 From	Coment grout  ft., From  7 Pit pri 8 Seway 9 Feedy ew well  OG  and & gr  d. to la  th med.  ON: This water of the thin wate	it to to	260 170 3 Bento 0 ft.	tt., Fron ft., F	nn  Other ft., Frock pens storage zer zer storage zer storage zer storage zer storage zer storage zer zer zer zer zer zer zer zer zer ze	e  16' LITH  (3) pluggethe best of (7) Apri	ed under my known. 1. 28	r my jurisdi	ction a belief.	ind was Kansas

DOMESTIC #2

1.00:-	7011 05			R WELL RECORD	Form WWC-		,		<del></del>	
	ON OF WA		Fraction	B		ction Number	1	Number	Range I	
County:	FINNE		SW 1/4		NW 1/4	10	T 24	<u> </u>	<u> R 32</u>	<u>EW</u>
Distance'	and direction	from nearest tow	-	ddress of well if loc	_					
· • · · · · · · · · · · · · · · · · · ·				1/2 W DF GAR	DEN CITY, K	i <b>5.</b>				
2 WATE	R WELL OW	NER: ROBIR	TO CORDIRO							
RR#, St.	Address, Bo	×#: 4170	E. HWY.50	#216			Board (	of Agriculture,	Division of Wat	ter Resources
City, Stat	e, ZIP Code	: GARDEN	CITY,KS.¢	& <b>*</b> 67846			Applica	tion Number:		
LOCAT	TE WELL'S L			OMPLETED WELL.						
- f										
t l	, i	1 1		WATER LEVEL						
1 5	× NW	NE		test data: Well w						
l j	l l			gpm: Well w						
w kie	1	E	Bore Hole Diame	eter9in.					. to	
<u>₹</u>	!	!!!		O BE USED AS:			8 Air condition	_	Injection well	
ī l	SW	SE	★ Domestic	3 Feedlot		ater supply	•		Other (Specify	·
1	1	;	2 Irrigation	4 Industrial	7 Lawn and	garden only 1	10 Monitoring	weil	• • • • • • • • • • • • • • • • • • • •	
l l	1		Was a chemical/	bacteriological samp	le submitted to D	epartment? Ye	sNo	.x; If yes	, mo/day/yr sar	npie was sub-
			mitted			Wat	ter Well Disinfe	cted? Yes 🗴	No	
j TYPE	OF BLANK	CASING USED:		5 Wrought iron	8 Conci	rete tile	CASING	JOINTS: Glue	dX Clam	iped
1 S	t <del>oo</del> l	3 RMP (SP	R)	6 Asbestos-Ceme	nt 9 Other	(specify below	<i>(</i> )	Weld	led	. <b></b>
XP	vc	4 ABS		7 Fiberglass				Threa	aded	
Blank cas	sing diameter	5	in. to18D	ft., Dia	in. to	) <i>.</i>	ft., Dia		in. to	ft.
	-			.in., weight						
_	-	R PERFORATION		, <b>.</b>	<b>∦</b> P\			Asbestos-ceme		
1 S		3 Stainless		5 Fiberglass		MP (SR)			 <i>.</i>	
	rass	4 Galvanize		6 Concrete tile	9 AE			None used (or		
		RATION OPENING			uzed wrapped		8 Saw cut	• •	11 None (op	en hole)
	ontinuous slo				re wrapped		9 Drilled hok		71 None (op	on noic,
	ouvered shutt		y punched		rch cut					
		ED INTERVALS:				# Eron		• •		
SCHEEN	PERFORATI	ED INTERVALS.		180 ft. to						
	CDAVEL DA	OK INTERVALE.		ft. to						
	GRAVEL PA	CK INTERVALS:		.23 ft. to						
J 0001		4 1 .	From	ft. to		ft., Fron			to	
_	T MATERIAL	: 1 Neat c	ement	2 Cement grout	Xª Bente	onite 4	Other			
Grout Inte				ft., From	n.					
		urce of possible of				10 Livest	•		bandoned water	
	eptic tank	4 Latera		7 Pit pr <del>i</del> vy		11 Fuel s	•		il well/Gas wel	4
	ewer lines	5 Cess	•	8 Sewage I	agoon	12 Fertiliz	zer storage		other (specify b	i
3 W	atertight sew	er lines 6 Seepa	ige pit	9 Feedyard		13 Insect	icide storage	NON	1E	
	from well?					How man	y feet?			
FROM	1 70	<del></del>	LITHOLOGIC	LOG	FROM	то		PLUGGING I	NTERVALS	
0	3	TOP SOI	<u> </u>			<del> </del>				
	18	CLAY								
18	70	GRAV				<b>.</b>				
70	175		<u>ANDSTREAKS</u>			<del>                                     </del>				
175	200	GRAVEL				<u> </u>		·		
						<u> </u>				
	i :			_						
*	1 1									
	<u> </u>			· <del>.</del>				·	•	
	<b>†</b>		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	<u> </u>					
~	†				<del>                                     </del>	<del>  -</del>				
T	11					<u> </u>				
<del></del>				ON: This water well	**					
									_	elief. Kansas
Nater We	Il Contractor's	s License No	.462-8	This Water	Well Record wa	as completed o	n (mo/day/yr)	6-20-9	D	. ,
under the	business nar	ne of SAM 15	WATER WEL	L SERVICE		by (signatu	ure)	Serva V	MANGE	211
				FIRMLY and PRINT clearly						epartment
of Hea	Ith and Environm	ent, Bureau of Water, T	Topeka, Kansas 66620	)-7320. Telephone: 913-29	6-5545. Send one to	WATER WELL OW	VNER and retain or	ne for your records	٠	i

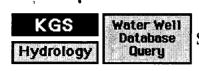


Scan of WWC5 Form

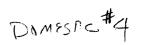


ONT PEN-PRESS FI		WATER WELL RECORD KSA 820-1209-1215					Karea Department of Health and Environment Olivision of Environment (Water well Contraction) Topoka, Konose 64620				
	County	Fraction	<del></del>	Section rumber		Tenneli p number	Range number				
. لمحمد به المحمد ا	Finney	HEW NY VNE VA		C		1 24		<u>/*</u>			
	erien from mourest form or city:			ner of well		Pritz Saue					
Jerthe	est of Garden C	ity	1	r singat: Note, alige c		906 N. Sec Garden Git	ond St. y, Kansas 678	34			
. Locate with "X"	in seekan below:	Skatch mage	1		1	A. Sore hole dia. —2	Lin. Completion data LL	7!			
					ļ	Well depth 160		=			
	X						Rotory Driven Dug Jetted Bered Reverse rel	٠,			
NW	NE				ı	8. Une: Demostic	_ Public supply Industry	7			
*		*				X_ treigneien	Air conditioning Stock Oil Rold water Other				
5W	½						tol Height: Alteres or below	1			
					I	Throughod Wolden	X 3. durious	in.			
	i No					06-16 to to 160	h death Wall Thickness inches a	٠,			
. Type and calor o				From	Te		4. depth (2000 No. 219	=			
opscil				0	8			_			
00011			***************************************	1		type Steel	04. 16 Inch				
rown Cl	9.Y			8	46	Set het-set12	16C	.n.			
and				46	54	Grevel pack? VCS	like range of material 1/2				
rown Cl	٩v			54	120	11. Static water fevel: 80. st. below 1	and surface Date 11/17/	73			
and & G		-		120	160	17 Sametan bank bak	10 km, pumping 600 g.p.				
				160							
rown Cl	<del>2</del>			<b>T</b>		Estimated maximum yield					
				-		Yes X					
						14. Wall hand comple					
						Fitles adapter 15. Wall grouted?					
							ne <u>Y</u> Benkerika Const	aus   "1,			
				1							
				+		Ir. 20 Direct	North 1, 203d	14.1-E			
	.,			1		17. Pamp:	Y Net installed	≒,			
						Manufecture's neme		<b>- </b>  -			
						Longth of drap pipe		<u></u>			
						Type: Submersible	Turbine				
				1		Jed	Reciprocation	ž.			
5 25 ·	(Use a second	shoot if needed)		_L	L	Contribugal	Other	*:			
8. Elevation:	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					This wall was drilled	under my jurisdiction and this repa	•*			
- Article May A.					Swee		ny tanggloige and bellef. illing CO+ 24	2 5			
<u> Y</u> 1631					Gard	Business states	Kansas Ucomo	<b>№</b> . <			
Slape Upland					. n.	Bulk	eller with	×10.			
Velley	1					X-A-	tand representative				

Kansas Geological Survey Comments to webadmin@kgs.ku.edu



## Scan of WWC5 Form



LOCATION OF WATER	WELL: Fraction		Sec	sion Number	Township	Number	P	lange Nun	nber
www.Finney	NE	w NE w N	E w	9	т 2	L s	R	I	E(V)
tance and direction fro	m nearest lown or city stree	et address of well if locate		MARKET WALLEST AND ASSESSMENT OF THE PARTY O			······································		
miles east	of Garden City	y. Kansas							
WATER WELL OWNE	n Charles Owin	nes	······································				***************************************		
	: 611 W. Marv	-0-			Board o	Apriculture.	Division	of Water	Resourc
State, ZIP Code		. Ks. 67846				tion Number:		*	
	ATION WITH 4 DEPTH OF		256	A			ended		CAMBLE OF STREET
N X IN SECTION B									
N	pepartai Groc	undwater Encountered							
		TIC WATER LEVEL							•
L- NW	* NF ~ *	ump test data: Well wat			W	-			
		.72 gpm: Well wat			<b>16</b> 7 - 1 - 1 - 1 - 1 - 1		amping .		gp
w   - !	removement F I	erneter 10 in to			ind		ı. 10		
"!!	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	R TO BE USED AS:	5 Public water	r supply	8 Air condition	-	freection		
	XDomes	itic 3 Feedlot	6 Oil field wa	ter supply	9 Dewatering	12	Other (	Specify be	iów)
;"	2 krigatio	on 4 Industriel	7 Lawn and g	panders only 1	0 Observation	weil		* * 6 * * * * * * * *	
	( Was a chemic	cal bacteriological sample	sultimitted to De	epartment? Ye	sNo	X, If yes	, mo/day	riyi sampk	e was s
\$	mitted			Wat	er Well Disinfe	cted? Yes	X	No	
YPE OF BLANK CAS	ING USED:	5 Wrought Iron	8 Concre	me tile	CASING	JORNTS: Give	d X.	Clampeo	<b>5</b>
1 Sheet	3 RMP (SR)	6 Asbestos-Cement	9 Other	(specify below	ı <b>i</b>	Wek	bed		
¥ PVC	4 ABS	7 Fibergiass				Thre	aded		
							in to		
ing height above land									
• •	ERFORATION MATERIAL	7 1 1998x 11 11 11 11 11 11 11 11 11 11 11 11 11	Χρν			Asbestos cem			
	3 Stainless steel	5 Fiberolass		IP (SR)		Other (specify			
1 Steel	* *					None used (or		168 <b>25</b> 11	
2 Brass	4 Galvanized steel	6 Concrete tile	9 AB			Acuse rated (cit		7	
	TION OPENINGS ARE:		beggerw ber		X Saw cut		1 E PMO	ne (open	nore
1 Continuous stot	3 Mill slot		wrapped		9 Drilled hole				
2 Louvered shutter	4 Key punched	7 Tord			10 Other (spe	city)			
EEM-PERFORATED	INTERVALS: From								
	From		*******	ft., From	n , , , , , , ,	, <b>1</b> . !	<b>to</b>	*****	
GRAVEL PACK	From INTERVALS: From		226	ft., From	n , , , , , , , , , , , , , , ,	, <b>1</b> . !	to to		
	From INTERVALS: From	17 t. to to	226 256	ft., From ft., From tt., From	n , , , , , , , , , , , , , , ,	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	to to	22,44.2	
ROUT MATERIAL:	From INTERVALS: From From 2	17. ft. to	226 256 <b> ⊀</b> Berno	t., From	n , , , , , , , , , , , , , , , , , , ,	<b>数</b> . :	to to	22.14.2	*****
PROUT MATERIAL:	From   From   From   From   2   1   Neal cament   7     1, to   1	17. ft. to 236 ft. to 26 ft. to 27. ft. From	226 256 <b> ⊀</b> Berno	tt. From tt. From tt. From tt. From tt. From tt. From time 4 (	nn n Other tt., From	# ! # !	to to	22.14.2	* * * * * * * * * * * * * * * * * * *
PROUT MATERIAL: at intervals: From It is the nearest source	INTERVALS: From 2  1 Neal cament 7 th to 1 a of possible contamination:	17. ft. to 136 ft. to 236 ft. to 25 Cement grout 27 ft. From	226 256 <b> ⊀</b> Berno	ft., From tt., F	n	14 A	to to to tttc.	Company	* * · · * · · · · · · · · · · · · · · ·
HOUT MATERIAL: it intervals: From t is the nearest sourc X Septic tank	INTERVALS: From 2  1 Neal cament 7 th to 1 a of possible contamination: 4 Lateral lines	17. ft. to 236 ft. to 25 cement grout 27. ft., From 7 Pit provy	226 256 <b>X</b> Berso 226 n	ft, From tt, From	n	14 A	tototototrtotrtotrtotrtotrtotrtotr	od water v	* *
FIGUT MATERIAL: it intervals: From t is the nearest sourc X Septic tank 2 Sewer lines	From INTERVALS: From From 2  1 Neat cement 7ti. to1 te of possible contamination: 4 Lateral lines 5 Cess pool	17. ft. to 236 ft. to 236 ft. to 24 Cement grout 27. ft., From 7 Pit provy 8 Sewage lag	226 256 <b>X</b> Berso 226 n	ft, From tt, From	n	14 A 15 C	toto	Company	* *
ROUT MATERIAL:  I intervals: From  Is the negrest source X Septic tank 2 Sewer lines 3 Waterlight sewer Is	INTERVALS: From 2  1 Neal cament 7 th to 1 a of possible contamination: 4 Lateral lines	17. ft. to 236 ft. to 25 cement grout 27. ft., From 7 Pit provy	226 256 <b>X</b> Berso 226 n	ft, From	n	14 A 15 C	toto	od water v	* *
ROUT MATERIAL: t intervals: From is the nearest source X Septic tank 2 Sewer lines 3 Waterlight sewer toom from well?	INTERVALS: From	ft. to  17. ft. to  36 ft. to  2 Cement grout  7 ft. From  7 Pit provy  8 Sewage lag  9 Feedyard	226 256 \$Benso 226	rite 4 ( to 236 ) 10 Livesti 11 Fuel s 12 Fertisi 13 Insecti	n	14 A 15 C 16 C	to	od water t	* * * * * * * * *
ROUT MATERIAL:  t intervals: From,  t is the nearest source  \$\hat{k}\$ Sepec tank  2 Sewer lines  3 Wateright sewer to  180n from well?  OM TO	INTERVALS: From	ft. to  17. ft. to  36 ft. to  2 Cement grout  7 ft. From  7 Pit provy  8 Sewage lag  9 Feedyard	226 256 <b>X</b> Berso 226 n	ft, From	n	14 A 15 C	to	od water t	* *
ROUT MATERIAL: t Intervals: From, tis the nearest source X. Sepec tank: 2 Sepec tank: 3 Waterlight sewer is tion from well? DM TO 2 t	INTERVALS: From	ft. so  17. ft. to  35 ft. to  2 Cement grout  7 ft. From  7 Pit privy 8 Sewage lag 9 Feedyard	226 256 \$Benso 226	rite 4 ( to 236 ) 10 Livesti 11 Fuel s 12 Fertisi 13 Insecti	n	14 A 15 C 16 C	to	od water t	* *
ROUT MATERIAL: 1 Intervals: From tis the nearest source Xi. Septic tank: 2 Sewer lines: 3 Wateright sewer I	INTERVALS: From From 2  1 Neal cement 7	ft. so  17. ft. to  23.6 ft. to  26. Cement grout  7. ft. From  7. Pit privy 8. Sewage lag 9. Feedyard	226 256 \$Benso 226	rite 4 ( to 236 ) 10 Livesti 11 Fuel s 12 Fertisi 13 Insecti	n	14 A 15 C 16 C	to	od water t	* *
ROUT MATERIAL: t Intervals: From is the nearest source Xi. Septic tank: 2 Sewer lines: 3 Waterlight sewer to ison from well? DM TO 0 2 to 2 10 b 10 20 g	INTERVALS: From From 2  1 Neal cement 7ti to1 te of possible contamination: 4 Lateral lines 5 Cess pool lines 6 Seepage pit  LITHOLOG OP Soil crown_clay cray_clay	ft. so  17. ft. to  35 ft. to  26 Cement grout  7 ft. From  7 Pit privy 8 Sewage lag 9 Feedyard	226 256 \$Benso 226	rite 4 ( to 236 ) 10 Livesti 11 Fuel s 12 Fertisi 13 Insecti	n	14 A 15 C 16 C	to	od water t	* *
ROUT MATERIAL; It intervals: From It is the nearest source Xi. Septic tank 2 Septic tank 2 Septic tank 3 Wateright sewer is 250n from well? OM 0 2 t 2 10 b 10 20 g 20 3@ph	INTERVALS: From	ft. so  17. ft. to  35 ft. to  36 ft. to  37 Cement grout  7 ft. From  7 Pit privy 8 Sewage lag 9 Feedyard	226 256 \$Benso 226	rite 4 ( to 236 ) 10 Livesti 11 Fuel s 12 Fertisi 13 Insecti	n	14 A 15 C 16 C	to	od water t	* *
ROUT MATERIAL: It intervals: From It is the nearest source X Septec tank 2 Septec tank 2 Septec tank 3 Wateright sewer is clon from well? OM 0 2 t 2 10 b 10 20 g 20 30976 30 60 72	INTERVALS: From From 2  1 Neal cement 7ti to1 te of possible contamination: 4 Lateral lines 5 Cess pool lines 6 Seepage pit  LITHOLOG OP Soil crown_clay cray_clay	ft. so  17. ft. to  35 ft. to  36 ft. to  37 Cement grout  7 ft. From  7 Pit privy 8 Sewage lag 9 Feedyard	226 256 \$Benso 226	rite 4 ( to 236 ) 10 Livesti 11 Fuel s 12 Fertisi 13 Insecti	n	14 A 15 C 16 C	to	od water t	* *
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Kansas Geological Survey Comments to webadmin@kgs.ku.edu

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	, ZIP Code	GARD	N CITY, KS	6 67846				tion Number:	
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INSTRU	CTIONS: Use to	mewriter or ball point	pen. PLEASE PRESS	FIRMLY and PRINT clearly.	Please fill in blanks,	underline or ci	ircle the correct answer	s. Send top three	copies to Kansas Department
of Healt	th and Environm	nent Bureau of Water,	Topeka, Kansas 6662	20-0001. Telephone: 913-29	6-5545. Send one to	WATER WELL	. OWNER and retain or	e for your records	•

### Ireland, Leslie

From:

Meyer, Mike

Sent:

Monday, May 23, 2016 2:53 PM

To:

Ireland, Leslie

Subject:

RE: Worf change applications, FI036 et al

Yes I have time

Perfected acres total I have is 202.5 acres

TOTAL

FI 036 58 acres

FI 39 77 acres

FI 40 67.5 acres

I would show the current authorized acres as base (cant confirm one way or another right now)

The map below shows the only physical acres that could be watered by the new well (yellow highlight) may be possible to water orang highlight but not sure if owns that land anymore.

30 acres

5 acres.



From: Ireland, Leslie

Sent: Monday, May 23, 2016 1:18 PM

**To:** Meyer, Mike <Mike.Meyer@KDA.KS.GOV> **Subject:** FW: Worf change applications, Fl036 et al

Mike,

Below is the latest from Mark. The attachment is the letter recommendation from Jason.

Could we schedule a time tomorrow morning or afternoon after 3? We'd like to talk about the plan of attach and documents that I'll need to put together. If we divide FI 040, the base and max acres will be needed from your shop.

Also do you have a map of the acres remaining?

Leslie Ireland, Environmental Scientist II Kansas Department of Agriculture Division of Water Resources - Change Unit (785) 564-6633 Proposed PD for WR Nos Fl36, Fl39, and Fl40



Proposed PD for WR Nos FI36, FI39, and FI40 and 10 Year Average Water Use of Nearby Wells



1:24,000

MAY 1 6 2016

neighbors wish to provide should occur within 15 days from the date of this letter or any extension of time granted. If no response is received from you, the applicant, within that time, we will recommend that the rule be upheld and the application denied. We will also consider information from the neighbors responding to their copy of this letter.

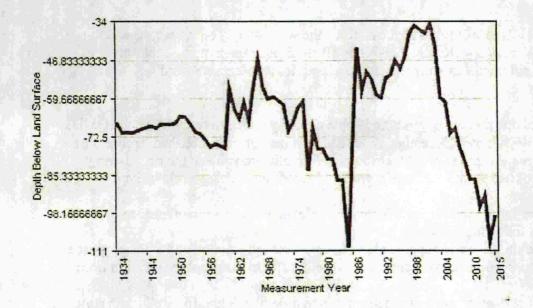
Should you have any questions, please feel free to call this office. If you would prefer, an appointment could be arranged for additional assistance. Please refer to the water right file number when you contact us.

Sincerely,

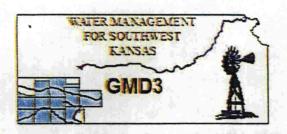
Jason L. Norquest Assistant Manager

Attachment: GMD3 General Groundwater Resource Review, File Nos. FI36, FI39 & FI40 Copy to:

Regional Average Trends, from http://hercules.kgs.ku.edu/geohvdro/wizard/wizardregional.cfm



WATER RESOURCES
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# 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

June 23, 2015

Worf Land LLC % Mark Worf 1407 Mels DR Garden City, KS 67846

RE: Vested Water Right, File Nos. FI 36, FI 39 & FI 40

Dear Mr. & Mrs. Worf and Neighbors,

This is to advise you that your application for approval of the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, to change the point of diversion under the above referenced application requires a waiver of a rule, specifically, K.A.R. 5-23-3 as it pertains to distance moved or Spacing to neighboring wells.

The application proposes to change the location of the two wells to one well with a point described as being 3464 feet North and 265 feet West of the SE corner of Section 9, Township 24s, Range 32w, in Finney County. A plat and groundwater resource review information is enclosed for your reference.

Changing a water right in a local aquifer area can affect the water supply to the project and to other water rights and users. Kansas law (K.S.A. 82a-708b (2)) requires a demonstration that any change is reasonable and will not impair existing rights. Spacing rules provide a standard for implementing this requirement.

To meet the need for added due process beyond the ½ mile courtesy notice from the state, the GMD3 Board passed Resolution 2013-6, adopted December 17, 2013. This resolution established a process of added notice of a rule waiver request and to provide resource information to you and the neighboring water rights whose wells are located within a mile of a proposed location requiring a rule waiver.

Accordingly, local resource information is included with this letter and you are requested to provide information in response to the following questions:

- 1) Can the aquifer yield a similar water supply at both the present well location and at the proposed well location(s)? In other words, how might the well yield differ in the proposed location from the present location?
- 2) Can the addition of infrastructure, such as pipelines or purchase of neighboring wells with water rights, meet the need without a rule waiver?
- 3) How do the specifics of the proposal conserve energy and/or water over other alternatives?

The GMD3 board supports the pursuit of high value water use, through reasonable changes that don't have an unreasonable affect to other water rights. We request that any response you or your WATER RESOURCES RECEIVED

Serving Southwest Kansas Since 1976

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1320 Research Park Drive Manhattan, Kansas 66502 (785) 564-6700



900 SW Jackson, Room 456 Topeka, Kansas 66612 (785) 296-3556

Jackie McClaskey, Secretary

Governor Sam Brownback

June 5, 2015

SOUTHWEST KANSAS GROUNDWATER MANAGEMENT DISTRICT NO 3 ATTN MARK RUDE 2009 E SPRUCE GARDEN CITY KS 67846



Re: Application for Change, Vested Right, File Nos. FI 036, FI 039 & FI 040

Dear Mr. Rude:

We are enclosing a copy of the applications referred to above which appear to be in proper form.

We are delaying any further action for a period of 15 days from the date of this letter to allow you time to submit your recommendations concerning these applications.

Please submit your recommendations within the allotted time, or any authorized extension of time thereof. If you wish to refer to a specific file, please reference it when you contact us.

Sincerely,

Leslie Ireland

Environmental Scientist

Rulie Ireland

Water Appropriation Program

LI:li Enclosure

pc:

Garden City Field Office Mark Worf, Worf Land LLC

KS DEPT OF AGRICULTURE



109 SW 9th Street, 2nd Floor Topeka, Kansas 66612-1280

Jackie McClaskey, Secretary David W. Barfield, Chief Engineer Phone: (785) 296-3717 Fax: (785) 296-1176 www.agriculture.ks.gov

Sam Brownback, Governor

June 17, 2015

SOUTHWEST KANSAS GROUNDWATER
MANAGEMENT DISTRICT NO 3
ATTN JASON NORQUEST
2009 E SPRUCE STREET
GARDEN CITY KS 67846

RE: Vested Right, File Nos. FI 036, FI 039 & FI 040

JUN 22 2015 SWKSGMD3

Dear Mr. Norquest:

In response to your June 15, 2015, E-mail, the Chief Engineer has extended the time in which to submit a recommendations concerning the November 24, 2014, applications to change the points of diversion for the above referenced files.

At your request the Chief Engineer has delayed any further action until July 10, 2015.

Please submit your recommendation within the allotted time, or any authorized extension of time thereof. If you wish to refer to a specific file, please reference it when you contact us.

Sincerely,

Leslie Ireland

**Environmental Scientist** 

Water Appropriation Program

LI:li

pc:

Garden City Field Office

Mark Worf, Co-Mgr, Worf Land LLC

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MAY 1 6 2016

KS DEPT OF AGRICULTURE

SCANNED

## **GMD3** Change Review

Board Review Date: July 8, 2015 & April 14, 2016

Board Recommendation: Waiver of Spacing, but limit the amount that can be used to 2AF/acre still available to be watered and let the rest be preserved for possible future changes or needs

Waiver Reason:

Final Recommendation: After review of the information with the Board, staff recommends approval of the application and a waiver to spacing if the limitation is placed on the water right as to the amount that may be used for irrigation.



## **GMD3** Change Review

Change Application(s); PD

File No(s). FI36, FI39 & FI40 Worf Land LLC



Applicant is wanting to keep the water rights intact, but needs to move the diversion due to development of the area. Currently there are 2 PD's and this application would only authorize 1 PD. This map does not show it, but the south well under these water rights is at the new shopping development on the bypass and the north well is in the WalMart parking lot.

A couple of the neighboring wells called after receiving GMD3 letters. They wanted to know more information, but did not raise a concern and did not want to submit anything in writing.

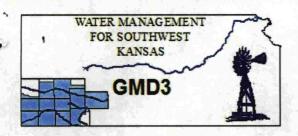
	ft. North	ft. West	
Authorized P/D	3750	2300	Sect. 9-24-32
Proposed P/D	3464	265	
Difference	286	2035	
a2 + b2 = c2	81796	4141225	2055.0 foot move SE
a2 + b2 = c2	81796	4141225	2055.0 foot move SE

Neighboring wells: Spacing NOT met to the well under WR 12806. Needs 2100' and proposed spacing would only be 1820'

Domestic wells: Spacing MET to domestics and no concerns raised by any of them. Regulation(s) Reviewed: KAR 5-23-3

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MAY 1 6 2016



## 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

May 12, 2016

Leslie Ireland Kansas Department of Agriculture Division of Water Resources 1320 Research Park Drive Manhattan, Kansas 66502

RE: Change Application,

Vested Right, File Nos. FI 36, FI 39 & FI 40

Dear Leslie:

We have completed a review of the applications for the above referenced vested water rights. The proposals are in conflict with the Management Program of the Southwest Kansas Groundwater Management District No. 3 (GMD3). More specifically, it does not meet the minimum spacing requirement to the well under Water Right, File No. 12,806 in accordance with K.A.R. 5-23-3(a). We reviewed the applications at our July 8, 2015 & April 14, 2016 Board meeting.

The applicant proposed these applications to move the blanket authority on two wells to a new well. The current wells are currently or will be plugged due to expansion of retail development in the area. With all the development on the land that was once authorized place of use, the applicant only has 35 acres that is stilled farmed. However there is still great future value in protecting the vested rights with their proximity to the city and new development. Concern was raised by a neighboring water right about the amount of water that is authorized in comparison to the current acreage still available to be watered. The Board discussed the importance of preserving the water right. After thorough discussion, the Board recommends a waiver to KAR 5-23-3(a) and that the current applications be approved, but limit usage to no more than 2 acre foot per acre that is still authorized for irrigation, so that there is not excessive usage, and to have the applicant administratively pursue actions to keep the remaining water right intact.

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,

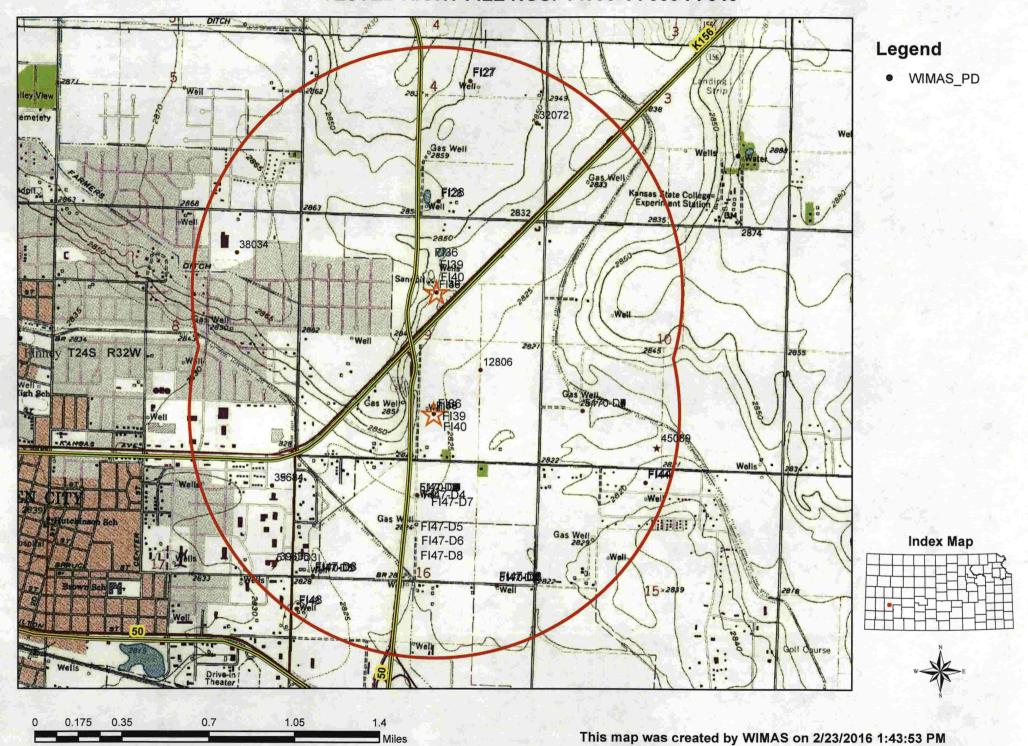
Jason L. Norquest Assistant Manager

> WATER RESOURCES RECEIVED

> > MAY 1 6 2016

SCANNED

## VESTED RIGHT FILE NOS. FI036 FI 039 FI 040



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

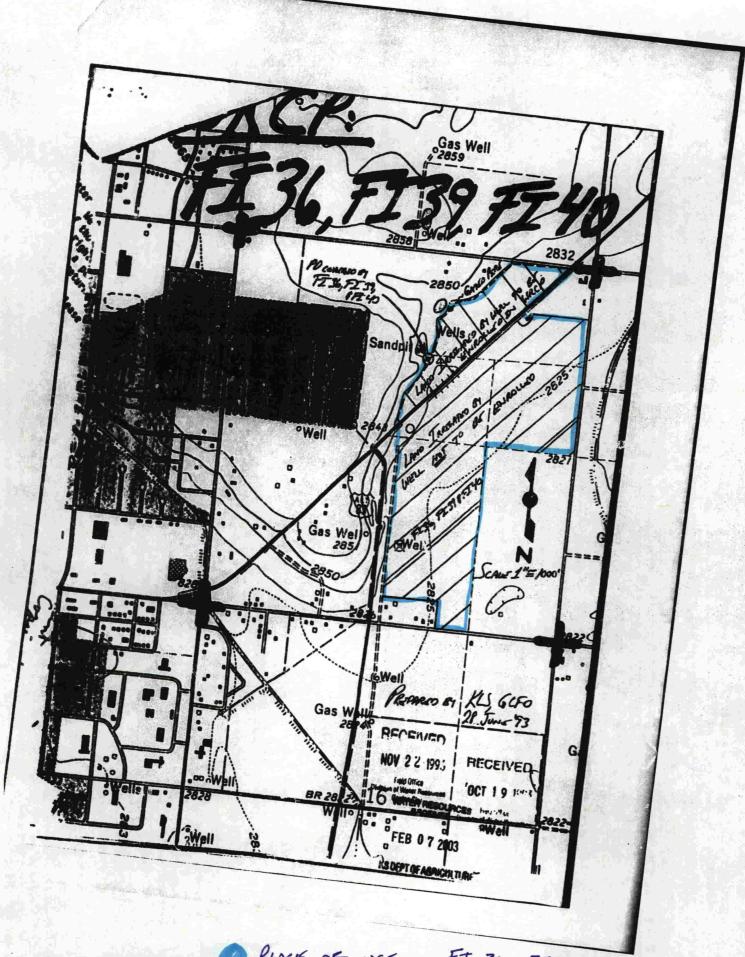
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     SOUTHWEST KANSAS RESEARCH EXT CENTER
  > 4500 E MARY ST
   GARDEN CITY KS 67846
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DPLACES OF USS . FI 36. FI 39; FI 40. AUNUM 200 196 ACUS-Compulete mule

(785) 564-6633 Leslie.Ireland@kda.ks.gov www.agriculture.ks.gov

From: Turney, Brent

Sent: Monday, February 22, 2016 8:15 AM
To: Ireland, Leslie < Leslie.Ireland@KDA.KS.GOV >

Subject: FW: Additional Information, change app's FI036, FL039 & FI040

Brent A. Turney, P.G.
Kansas Department of Agriculture
Division of Water Resources
1320 Research Park Drive
Manhattan Kansas 66502
(785) 564-6645
Brent.Turney@kda.ks.gov
www.agriculture.ks.gov

From: Mark Rude [mailto:mrude@gmd3.org]
Sent: Friday, February 19, 2016 5:43 PM

To: Letourneau, Lane; Meyer, Mike; Turney, Brent

Cc: Mark

Subject: Additional Information, change app's FI036, FL039 & FI040

Lane, Mike and Brent,

This is in response to a February 8, 2016 letter from Brent to the applicant. The applications involve a situation where the applicant wants to move all three rights out from under the Garden City Walmart parking lot to a proposed new irrigation well. The well does not meet spacing for the total amounts authorized. But will meet spacing for the amount needed to reasonably irrigate the 15 or so acres around the proposed well. So, this creates a reasonableness issue (400) acre feet on 15 acres example) and a well spacing issue. The sticking issue is not spacing so much as it is in need of the administrative mechanism to bind into conservation the unreasonable portion of these rights while allowing some irrigation from the proposed new well.

One concept discussed is to approve the move under the conditions that the remainder of the rights considered unreasonable for the acres proposed to be irrigated will be consensually restrained from use under a WCA order until a subsequent change is filed and order altering the WCA and available water. I have reviewed this with Mark Worf and also with George Rapp, who owns the irrigation well north of the proposed location.

The reasonableness for the acres issue must be resolved before proceeding with these applications. Please do not dismiss these off your desk yet. Consider a WCA and we can then seek a waiver from the board. Please let us know if a WCA can be used for this purpose.

Thanks for your consideration of this added information and WCA request on behalf of the applicant. Mark

Mark E Rude

1320 Research Park Drive Manhattan, Kansas 66502 (785) 564-6700



900 SW Jackson, Room 456 Topeka, Kansas 66612 (785) 296-3556

Jackie McClaskey, Secretary

Governor Sam Brownback

FILE COPY

February 8, 2016

WORF LAND LLC MARK WORF CO-MGR 1407 MELS DR GARDEN CITY KS 67846

RE: Vested Right, File Nos. FI 036, FI 039 & FI 040

Dear Mr. Worf:

Reference is made to the applications for the approval of the Chief Engineer to change the points of diversion under the referenced files which were received in this office on November 24, 2014. On June 5, 2015, the applications were submitted to Southwest Kansas Groundwater Management District No. 3 (GMD3) for a recommendation on the proposed changes and the requested waiver of K.A.R. 5-23-3, *Minimum well spacing requirements: high plains aquifer*.

Several extensions of time in which to make a recommendation have been requested and granted, GMD3, but as of today's date no recommendation has been received. It appears the applications cannot be approved in their present form.

The proposed changes in point of diversion do not comply with the Rules and Regulations of the Southwestern Kansas Groundwater Management District No. 3. Specifically, as proposed the applications for change do not comply with K.A.R. 5-23-3, *Minimum well spacing requirements: high plains aquifer*, due to the quantity authorized by the referenced files and the distance to a nearby irrigation well.

For the reason given above, it will be recommended to the Chief Engineer that the applications for approval to change the points of diversion under File Nos. FI 036, FI 039 & FI 040, be denied and dismissed due to the failure to meet the required well to well minimum allowable spacing as required by K.A.R. 5-23-2. We are advising you of this recommendation in order to allow you an opportunity consult with the district regarding their recommendation, or to submit additional information to show why the evaluation should be reconsidered.

You have a period of 15 days (until February 23, 2016) to either (1) submit additional information to our office or (2) to request additional time beyond the 15 days to submit additional information or to meet with the district. If you wish to request additional time, you must do so in writing, before the 15 day period expires. Such a request should state what steps are being taken to obtain the information and the amount of time you will need to supply the information to our office.

If you do submit additional information within the 15 day period (or any authorized extension), that information will be given due consideration prior to final action on the applications.

If you have any questions, please contact our office, my desk phone is (785) 564-6645. If you wish to discuss a specific file, please have the file number ready so that we may help you more efficiently.

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Sincerely,

Brent A. Turney

Change Application Unit Supervisor (

Water Appropriation Program

BAT:LI:li

pc: Garden City Field Office

Groundwater Management District No. 3

#### Ireland, Leslie

From: Ireland, Leslie

Sent: Tuesday, February 23, 2016 8:53 AM

To: Meyer, Mike

Subject: RE: Change app's FI036, FL039 & FI040 Worf

Correct, they want to move all to one well by the proposals I have. Oh!!! thought a WCA was the same as WRCP just different wording coming in from the GMD. Think Brent has me straightened out on that...

I concur... We come up with a proposal for the landowner to move a portion of the quantity that is reasonable for the remaining PU for ag, and figure out a D1, D2, WRCP. We need the exact acres that he has to irrigate.

Not sure about the option that would limit the quantity to day but revisit it later.

The division could take care of the multiple well down to one that will move for the irrigation.. <u>actually does he really want to irrigate?</u>

Actually does he need to enroll in the WRCP? Does he need to do anything??? Find a buyer within ½ mile????

Can we schedule a call this afternoon with you and Brent?

Leslie Ireland

From: Meyer, Mike

Sent: Tuesday, February 23, 2016 8:43 AM
To: Ireland, Leslie <Leslie.Ireland@KDA.KS.GOV>
Cc: Turney, Brent <Brent.Turney@KDA.KS.GOV>
Subject: RE: Change app's FI036, FL039 & FI040 Worf

All the water rights have two wells each
They are proposing to move both wells to one location, correct?

I do not think a WCA is the best option here. This is not was the statute was intended for.

Can we come up with a proposal for the landowner to move a portion of the quantity that is reasonable for the remaining PU for ag, and figure out a D1, D2, WRCP option, or an option that would limit the quantity to day but revisit it later.

Once we get a proposal together we need to update lane

#### Mike

From: Ireland, Leslie

Sent: Tuesday, February 23, 2016 8:08 AM

To: Meyer, Mike Cc: Turney, Brent

Subject: RE: Change app's FI036, FL039 & FI040 Worf

NO. The way I was thinking is based on the place of use that they have available is what I would divide one of the rights to and then WCA the rest. They don't need an additional well. FI 040 has two wells.

Sorry leaving at 4:30 these days due to the van ride.

From: Meyer, Mike

Sent: Monday, February 22, 2016 4:34 PM

To: Ireland, Leslie < Leslie.Ireland@KDA.KS.GOV >; Turney, Brent < Brent.Turney@KDA.KS.GOV >

Subject: RE: Change app's FI036, FL039 & FI040 Worf

Leslie

Are you talking about dividing these rights or an additional well? FI36 and FI 39, FI 40?

#### Mike

From: Ireland, Leslie

Sent: Monday, February 22, 2016 10:23 AM

To: Turney, Brent; Meyer, Mike

Cc: Letourneau, Lane

Subject: Change app's FI036, FL039 & FI040 Worf

Brent,

The facts. Summary of attachment and WRIS.

These rights developed 2.45 AF/A. They have a total combined quantity of 480 AF. The most junior right has the least assigned quantity between the two wells with a blanket quantity of 150 AF, or could irrigate 61.23 acres.

It is my understanding that there are 35 acres remaining of the 196 acres that are currently permitted. This would avail 85.75 AF needed for the place of use based on their historical use.

Not sure how George Rapp is involved unless he is the owner of Fansher Inc. WR# 12806 is owned by Fasnher Inc. The well under FWR#12806 is located to the Southwest of the proposed point of diversion. It is the only well that I see not meeting the required 2300 feet of spacing. The distance between the proposed and WR# 12806 is indicated by WRIS to be 1820 feet, but no actual feet distances are show for WR# 12806 in WRIS. If the actual location of this well and the proposed were looked at they may meet the required 1900 feet of spacing for the 330 AF, combined total under WR# FI 036 & 039. Just the PU issue remains.

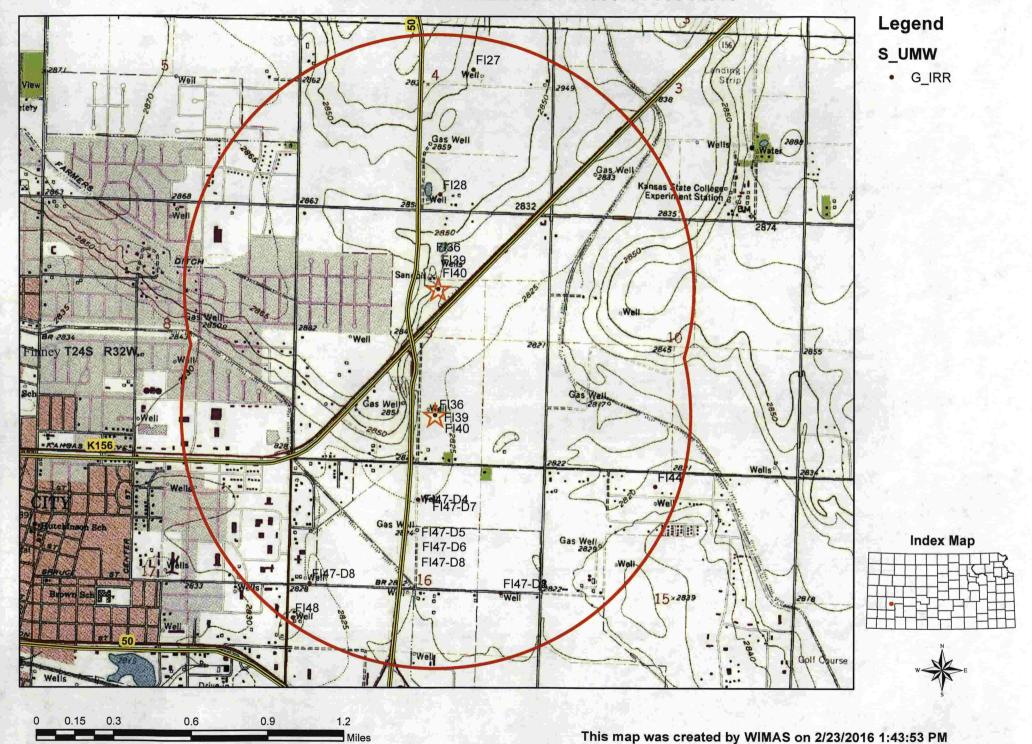
So looking at this from both sides now.. the land for the quantity and the quantity for well to well spacing. It all looks like it can be done and could be possibly done without a waiver in that if they only will keep 85.75 AF active for the irrigation of 35 acres, needing only 1300 feet then the 80 feet of unknown well spacing is not an issue. The 330 AF under FI 036 & FI 039 would irrigate, 134.69 acres doing a very nice circle of alfalfa somewhere.

So... I will do a 30 day extension to the GMD. I did not send them this information, but can if you recommend that I do so they can work on spacing issue, (may not be), WCA, withdraw what changes, and make a recommendation. I did ask about CREP, or the recent buyout program, but I think they didn't qualify.

If am needed to help with any of the paperwork or send the similar information to Mark, please let me know.

Leslie Ireland, Environmental Scientist II Kansas Department of Agriculture Division of Water Resources - Change Unit

## VESTED RIGHT FILE NOS. FI036 FI 039 FI040





109 SW 9th Street, 2nd Floor Topeka, Kansas 66612-1280

Jackie McClaskey, Secretary David W. Barfield, Chief Engineer Phone: (785) 296-3717 Fax: (785) 296-1176 www.agriculture.ks.gov

Sam Brownback, Governor

July 8, 2015

SOUTHWEST KANSAS GROUNDWATER MANAGEMENT DISTRICT NO 3 ATTN JASON NORQUEST 2009 E SPRUCE STREET GARDEN CITY KS 67846

RE: Vested Right, File Nos. FI 036, FI 039 & FI 040

Dear Mr. Norquest:

In response to your July 7, 2015, E-mail, the Chief Engineer has extended the time in which to submit a recommendations concerning the November 24, 2014, applications to change the points of diversion for the above referenced files.

At your request the Chief Engineer has delayed any further action until August 9, 2015.

Please submit your recommendation within the allotted time, or any authorized extension of time thereof. If you wish to refer to a specific file, please reference it when you contact us.

Sincerely,

Leslie Ireland

**Environmental Scientist** 

Water Appropriation Program

LI:li

pc: Garden City Field Office

Mark Worf, Co-Mgr, Worf Land LLC

FILE COPY

#### Ireland, Leslie

From: Jason Norquest <norquest@gmd3.org>

Sent: Tuesday, July 07, 2015 11:51 AM

To: Ireland, Leslie

Cc: Mark Rude; Meyer, Mike
Subject: Worf Apps. FI36, FI39 & FI40

Good morning Leslie, hope you survived the storms I heard were going through your area.

After discussion with neighboring water right holders and with Mike at the field office, we are going to remove the waiver review for the above vested rights with the Board at the July meeting. We believe at this time more discussion needs to take place before an informed decision can be made on these applications. The main point is that we are moving the authority of these water rights, which is 480AF, to a well location that will need a waiver of spacing. Due to increased development on this ground, the applicant only has roughly 35-50 acres of land that can still be irrigated at this time. The applicant wishes to maintain his full authority and at the same time we have had a couple of the neighboring water right holders express concern with what could happen with the water rights in the future if the proposed well was allowed to pump close to it's full authority.

We feel that this will need to have further discussion with Mike and your office to come up with the best solution that we can while taking the water right holders concerns into account.

At this time we ask for another 30 day discussion and we will also be talking with the applicant to explain the delay in coming to a recommendation. Please let me know if you have any questions.

Thanks for your time. Have a good day.

Jason Norquest

Assistant Manager, GMD3

Office: 620-275-7147 Cell: 620-271-1289

norquest@gmd3.org

www.gmd3.org

FILE COPY



109 SW 9th Street, 2nd Floor Topeka, Kansas 66612-1280

Jackie McClaskey, Secretary David W. Barfield, Chief Engineer Fax: (785) 296-1176 www.agriculture.ks.gov

Phone: (785) 296-3717

Sam Brownback, Governor

June 17, 2015

SOUTHWEST KANSAS GROUNDWATER MANAGEMENT DISTRICT NO 3 ATTN JASON NORQUEST 2009 E SPRUCE STREET GARDEN CITY KS 67846

RE: Vested Right, File Nos. FI 036, FI 039 & FI 040

Dear Mr. Norquest:

In response to your June 15, 2015, E-mail, the Chief Engineer has extended the time in which to submit a recommendations concerning the November 24, 2014, applications to change the points of diversion for the above referenced files.

At your request the Chief Engineer has delayed any further action until July 10, 2015.

Please submit your recommendation within the allotted time, or any authorized extension of time thereof. If you wish to refer to a specific file, please reference it when you contact us.

Sincerely,

Leslie Ireland

**Environmental Scientist** 

Water Appropriation Program

LI:li

pc: Garden City Field Office

Mark Worf, Co-Mgr, Worf Land LLC

#### Ireland, Leslie

## FI036 E39 (140

From: Jason Norquest <norquest@gmd3.org>

**Sent:** Monday, June 15, 2015 2:54 PM

To: Ireland, Leslie Subject: Worf Land

Leslie, due to the nature of the application for Vested Water Rights, File Nos. FI36, FI 39 & FI40, we are requesting an extension of time to submit our recommendations. It appears that a waiver may be needed to the spacing rule. We will need an extension of time to collect more information and allow the Board time to consider it at our next monthly meeting. We therefore request an extension of time until July 10<sup>th</sup>. If additional time is needed, we will submit another request for an extension.

Thanks in advanced and have a good day.

Jason Norquest

Assistant Manager, GMD3

Office: 620-275-7147 Cell: 620-271-1289

norquest@gmd3.org www.gmd3.org 1320 Research Park Drive Manhattan, Kansas 66502 (785) 564-6700



900 SW Jackson, Room 456 Topeka, Kansas 66612 (785) 296-3556

Jackie McClaskey, Secretary

Governor Sam Brownback

June 5, 2015

SOUTHWEST KANSAS GROUNDWATER MANAGEMENT DISTRICT NO 3 ATTN MARK RUDE 2009 E SPRUCE GARDEN CITY KS 67846

Re: Application for Change, Vested Right, File Nos. FI 036, FI 039 & FI 040

Dear Mr. Rude:

We are enclosing a copy of the applications referred to above which appear to be in proper form.

We are delaying any further action for a period of 15 days from the date of this letter to allow you time to submit your recommendations concerning these applications.

Please submit your recommendations within the allotted time, or any authorized extension of time thereof. If you wish to refer to a specific file, please reference it when you contact us.

Sincerely,

Leslie Ireland

**Environmental Scientist** 

Rulie Ireland

Water Appropriation Program

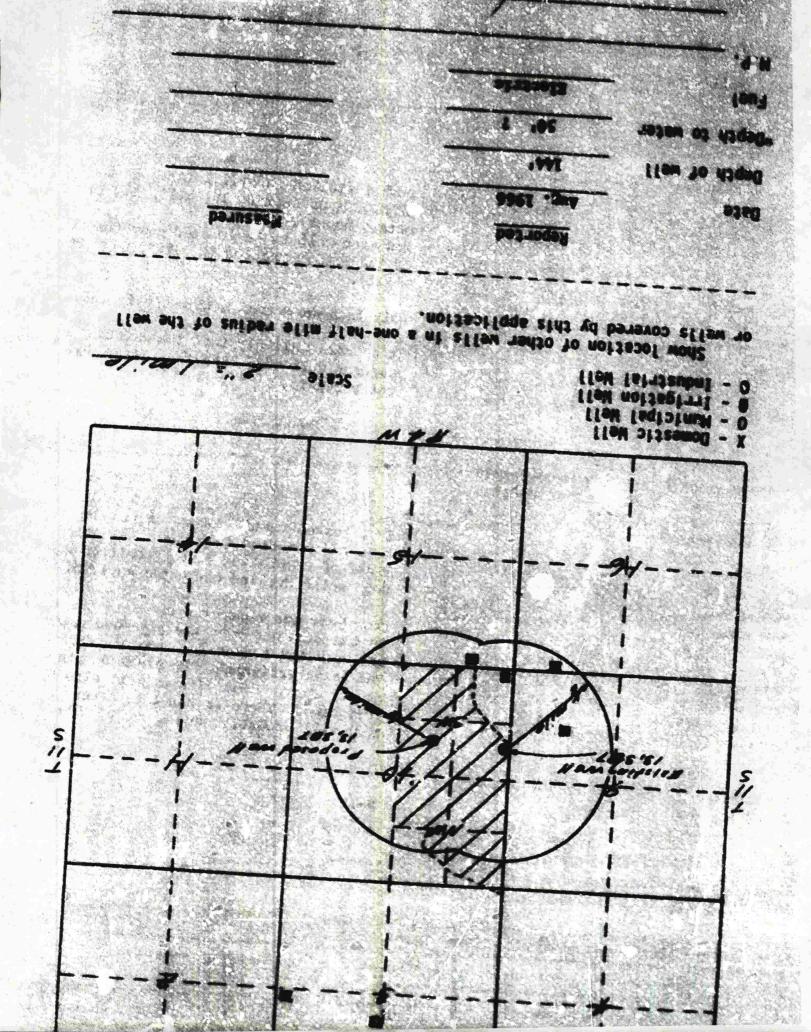
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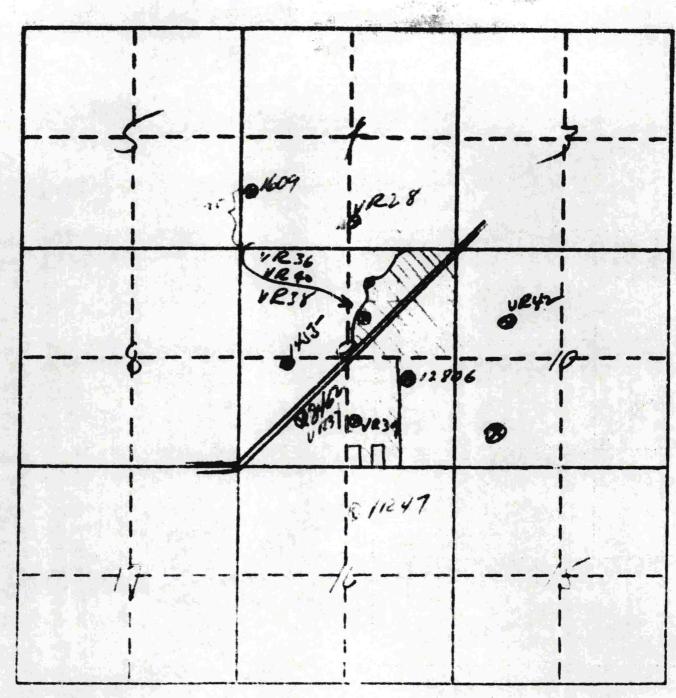
Enclosure

pc:

Garden City Field Office Mark Worf, Worf Land LLC



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- x Domestic Well
- 0 Municipal Well
- 9 Irrigation Well
- 0 Industrial Well

Scale

Show location of other wells in a one-half mile radius of the well or wells covered by this application.

	Reported	Measured
Date	Month in 1992 section (College College) was the major that college (College College Co	

Depth of well

#### Ireland, Leslie

P5036,3910

From: Mark Rude <mrude@gmd3.org>
Sent: Wednesday, April 01, 2015 11:08 AM

To: Meyer, Mike; Ireland, Leslie

Cc: Turney, Brent; Lanterman, Jeff; Letourneau, Lane; Barfield, David; Mark; Norquest, Jason;

Law, Chris; Trevor Ahring

**Subject:** New rule application for GMD3 **Attachments:** WorfLetter\_FI36\_032415.pdf

#### Dear Commissioner Meyer and Leslie,

This is a friendly "time out" e-mail. The attached letter raises a new rule application for SW Kansas. It is similar to the provision in the Ark River IGUCA order. However, the referenced K.A.R. 5-5-13 is without boundaries and is apparently only applicable to alluvial aquifers. It's application, as proposed in the attached letter raises a number of management program questions that should be reviewed in proper context and with the benefit of DWR expertise.

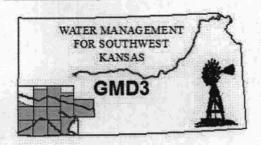
We are requesting some implementation discussion between GMD3 and DWR as to the purpose of the new rule for GMD3. We would like to discuss how it has been implemented to date and how it should be applied to applications in aquifer areas where alluvial systems are above the Ogallala Aquifer and both are considered the same source of supply. The discussion may not take long.

Until this can be accomplished, we are requesting that DWR hold the processing of the Worf change applications, file nos. FI 36; FI 39 & FI 40 and use of the rule to other applications filed in GMD3 so that the processing of the applications can benefit for that discussion. If you would like advice from the GMD3 board, I can request that it be included on next Wednesdays board agenda, but the May meeting be better after staff of DWR and GMD3 have the opportunity for a review.

Please provide confirmation of the suspended processing and let us know when you may be able to have this discussion so we can coordinate calendars. Thanks in advance,

#### Mark

Mark E Rude
Executive Director
Southwest Kansas Groundwater Management District No. 3
2009 E Spruce St.
Garden City, Kansas 67846
O 620.275.7147
C 620.272.3001
www.GMD3.org







109 SW 9th Street, 2nd Floor Topeka, Kansas 66612-1283

Jackie McClaskey, Acting Secretary David W. Barfield, Chief Engineer http://agriculture.ks.gov/dwr Sam Brownback, Governor

Phone: (785) 296-3717

Fax: (785) 296-1176

March 24, 2015

WORF LAND LLC MARK WORF CO-MGR 1407 MELS DR GARDEN CITY KS 67846

RE: Vested Right, File Nos. FI 036; FI 039 & FI 040

FILE COPY

Dear Mr. Worf:

Reference is made to the applications for approval of the Chief Engineer to change the points of diversion under the referenced file numbers which were received in this office on November 24, 2014.

Upon review of the applications submitted, which propose to relocate the points of diversion authorized by the referenced files, it appears that the applications cannot be approved as proposed. It appears the applications propose to relocate the points of diversion, to complete a new well located in the Northeast Quarter of the Southeast Quarter of the Northeast Quarter (NE¼ SE¼ NE¼) of Section 9, more particularly described as being near a point 3,464 feet North and 265 feet West of the Southeast corner of said section, in Township 24 South, Range 32 West, Finney County, Kansas. A review of that the proposed location appears to decreases the distance to a stream identified in the Office of the Chief Engineer, by the name of Whitewoman Bottoms by more than ten percent (10%) in violation of K.A.R. 5-5-13, Relocation of alluvial wells. This regulation of the Water Appropriation Act which states:

"If an authorized point of diversion is a well that has as its source of supply an alluvium in a reach of a basin that is fully appropriated or closed to new appropriations, the approval of a change in point of diversion, and any subsequent approvals of changes in points of diversion, shall not authorize the distance between the well and the centerline of the stream to be decreased by more than 10 percent since the time the source of supply became fully appropriated or was closed to new appropriations."

Based on this evaluation of the applications it will be recommended to the Chief Engineer that the Applications for Approval to Change the Authorized Points of Diversion under the referenced files, be denied and dismissed due to the failure to meet K.A.R. 5-5-13, *Relocation of alluvial wells*.

We are advising you of this recommendation and returning your applications in order to allow you an opportunity to modify the applications or submit additional information to show why our evaluation should be reconsidered. You have a period of 30 days (until April 23, 2015) to either (1) submit modified applications for change, (2) provide additional information to our office or (3) to request additional time beyond the 30 days to submit additional information. If you wish to request additional time, you must do so in writing, before the 30 day period expires. Such a request should state what steps are being taken to obtain the information and the amount of time you will need to supply the information to our office.

If you do not request more time within the 30 day period, or if your request is not granted, the abovereferenced applications will be submitted to the Chief Engineer for final decision based on the recommendation stated above. If you do submit additional information within the 30 day period (or any authorized extension), that information will be given due consideration prior to final action on the applications.

If you have any questions, please contact me at (785) 564-6633. If you wish to discuss a specific file, please have the file number ready so that I may help you more efficiently.

Sincerely.

Leslie Ireland

**Environmental Scientist** 

Change Application Unit

Water Appropriation Program

LI:li

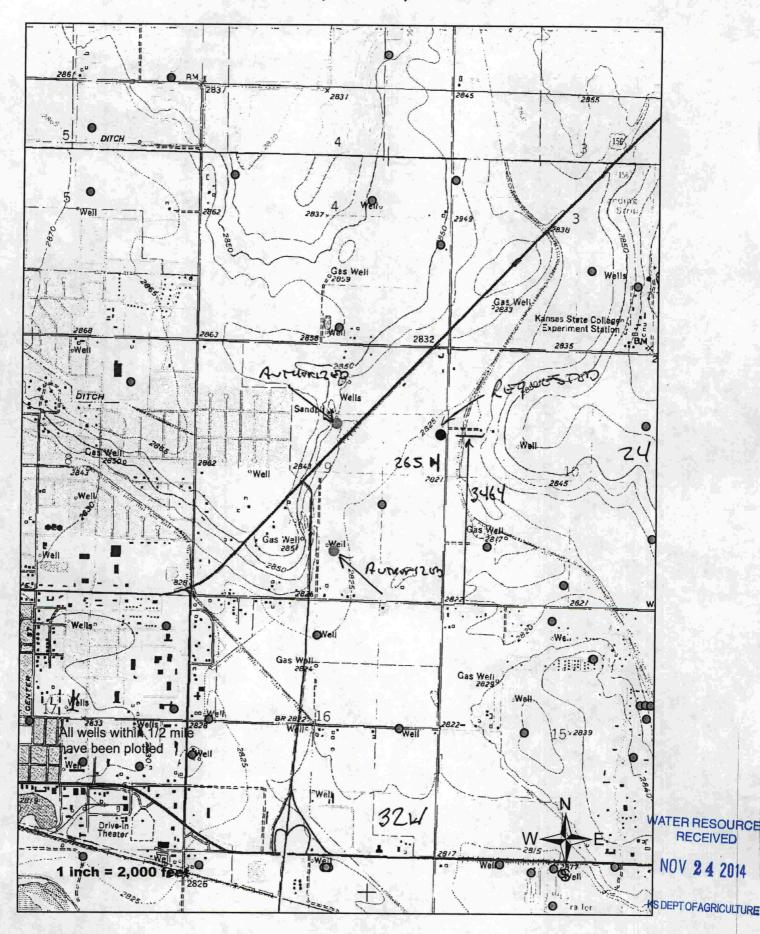
**Enclosures** 

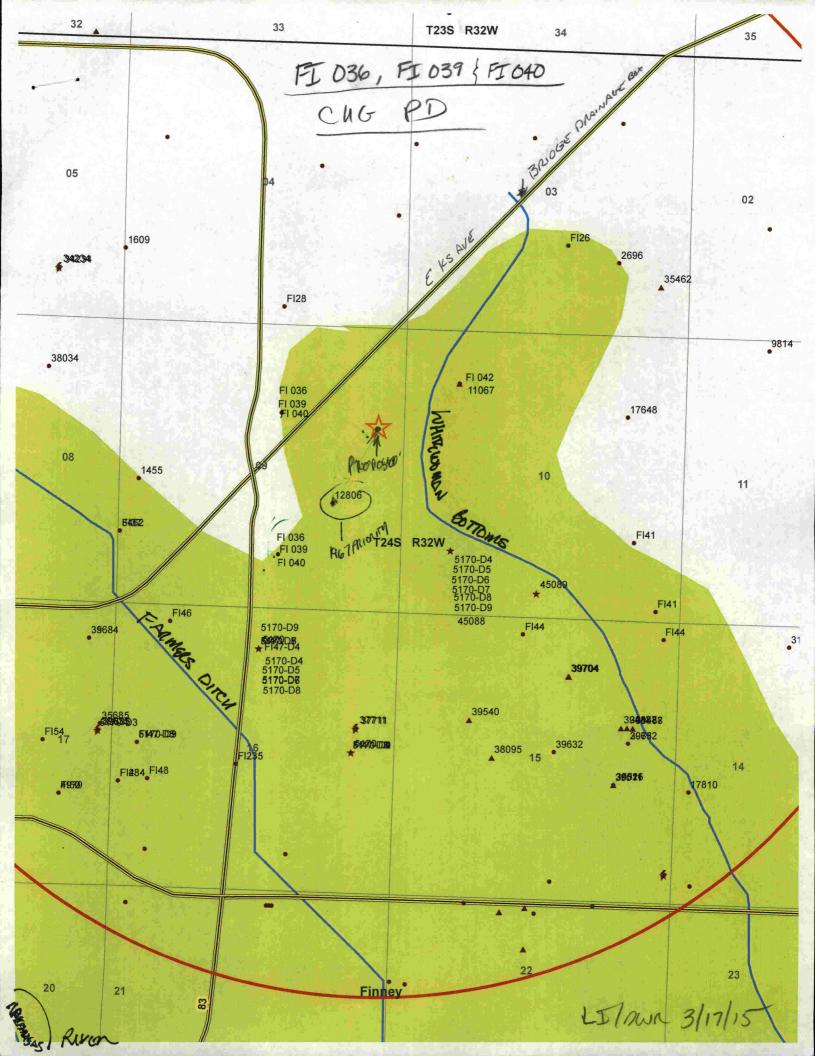
Garden City Field Office pc:

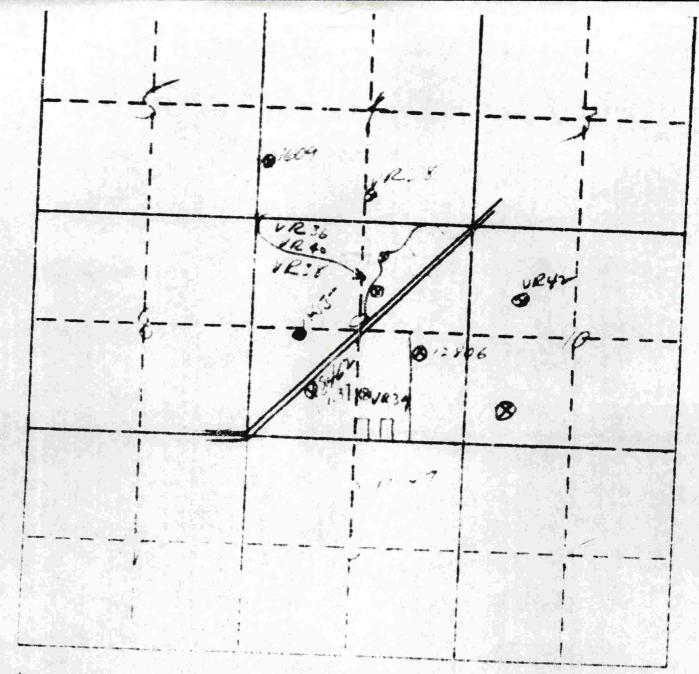
Garden City Field Office Groundwater Management District No. 3

FILE COPY

FI36, FI39, FI40







.....

onew is attract ther wells in a one-half sile radius of the well of wells covered to this application.

	Reported	Measured
Date		and the second of the second o
Depth of well		
*Depth to water		
Fuel		And the state of the companies of the state

1320 Research Park Drive Manhattan, Kansas 66502 (785) 564-6700



900 SW Jackson, Room 456 Topeka, Kansas 66612 (785) 296-3556

Jackie McClaskey, Secretary

Governor Sam Brownback

September 1, 2015

SOUTHWEST KANSAS GROUNDWATER MANAGEMENT DISTRICT NO 3 ATTN JASON NORQUEST 2009 E SPRUCE STREET GARDEN CITY KS 67846

RE: Vested Right, File Nos. FI 036, FI 039 & FI 040

Dear Mr. Norquest:

In response to your August 31, 2015, E-mail, the Chief Engineer has extended the time in which to submit a recommendations concerning the November 24, 2014, applications to change the points of diversion for the above referenced files.

At your request the Chief Engineer has delayed any further action until October 30, 2015.

Please submit your recommendation within the allotted time, or any authorized extension of time thereof. If you wish to refer to a specific file, please reference it when you contact us.

Sincerely,

Leslie Ireland

**Environmental Scientist** 

Water Appropriation Program

LI:li

pc: Garden City Field Office

Mark Worf, Co-Mgr, Worf Land LLC

FILE COPY

Kansas Department of Agriculture 109 SW 9<sup>th</sup> Street, 2<sup>nd</sup> Floor Topeka, KS 66612-1283

April 17, 2015

RE: Vested Right, File Nos. FI 036; FI 039 and FI 040

Attention Leslie Ireland

Dear Leslie,

In reference to your letter of April 3, 2015.

We continue to work with Mark Rude and the Southwest Kansas Ground Water Management District #3 office. We have identified all wells located within ½ mile of the proposed well. However the topographical map that you referenced in your letter was not included in the documents that you sent.

I am requesting that you please send us the map so we may document the location of the wells as requested. I am also requesting that the deadline of April 23, 2015 be extended.

I am enclosing the signed signature page, with my signature as the duly appointed agent for Worf Land LLC. I am also enclosing copies of the deeds for the water rights in question. These deeds convey the water rights in questions to Worf Land LLC.

If it would facilitate the process, you may contact me at my work phone, 620-272-5426, Monday-Friday, 8:00 AM to 5:00 PM.

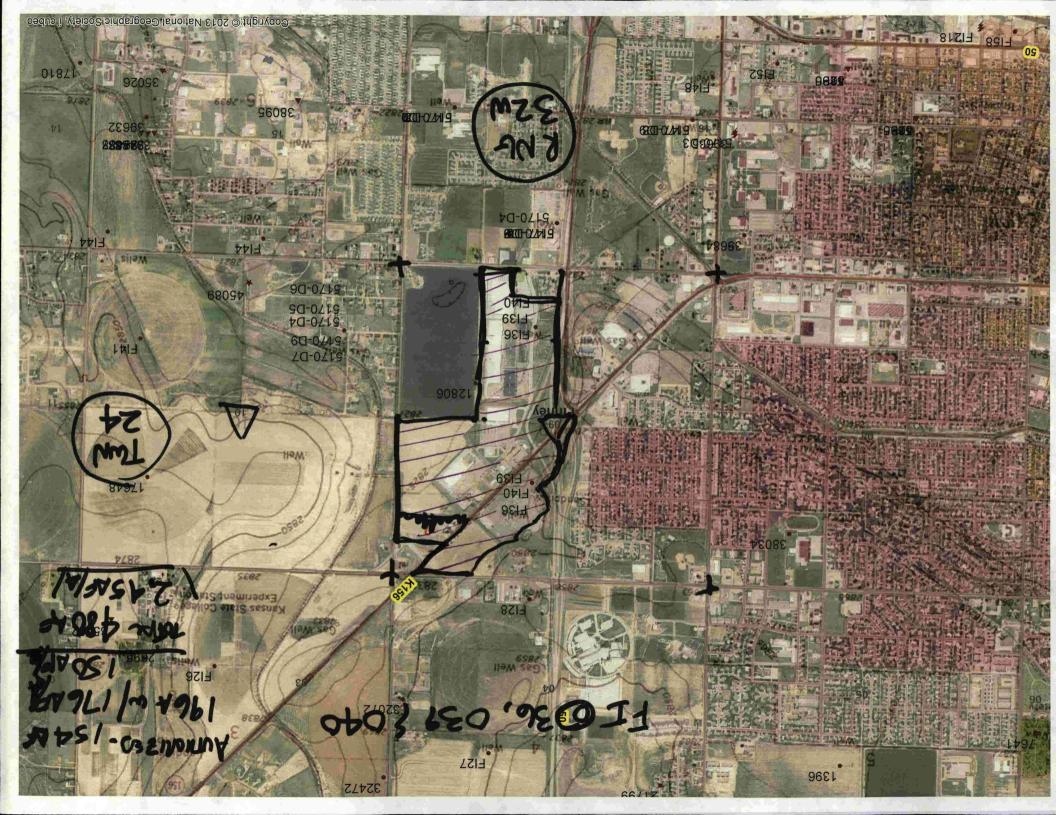
Thank you for your assistance.

Sincerely,

Mark Worf Co-manager, Worf Land LLC WATER RESOURCES
RECEIVED

APR 2 7 2015

KS DEPT OF AGRICULTURE



252 49

OATA ENTRY

AND INDEX

STATE OF KANSAS

SS. # LOOAT

FINNEY COUNTY

This instrument was filed for Record on the D day of POCAD. COUNTY

at 2310 clock D M and cluly recorded in book 260 Page 49 Fee \$ 2000

Cutture Of County

Register of Deeds

Ly Levic La Coupage

A Coupage

Cou

Entered in Transfer Record in my office this

U day of DEC. A.D. 20 DT.

Elsa Wrich

Finney County Clerk

KANSAS BUSINESS ORGANIZATION LIMITED WARRANTY DEED

PCRC ( ( ( ) ) ( )

On this 4 day of December, 2007, Worf Land, L.L.C., a Kansas limited liability company duly organized and existing under the laws of the State of Kansas, and having its principal place of business at 109 West 8th Street, Scott City, County of Scott, State of Kansas ("Grantor"), CONVEYS AND GRANTS to: Sam's West, Inc., an Arkansas corporation., ("Grantce") all of the real property (the "Property") in Firincy County, Kansas:

Lots 1 and 2, Block 1, as shown on the Final Plat of 156 Commercial, Phase Four, in the Northeast Quarter of Section 9, Township 24 South, Range 32 West of the 6th P.M., Garden City, Francy County, Kansas as recorded in Stap Book 1556, Page on December 11, 2007 with the Finney County, Kansas, Register of Deces;

Together with any of the following to the extent appurtenant to the Property and owned and transferrable by Grantor, if any: all improvements thereon, casements, and other rights appurtenant thereto, including mineral rights, and all of Grantor's right, title, and interest in any public rights-of-way adjoining the Property, together with any and all credits for development fees, impact fees, water, sewer or other utility tap, connection, meter of services fees or amounts which have been paid to any governmental authority in connection with any previous development of the Property or any utility service provided to any improvement located on said Property;

Save, Except, and reserving back unto Grantor all water rights and interests in the Property. Such reserved interests include, but are not limited to, all water rights appurtenant to the Property under D.W.R. File Numbers F136, F139 and F140, held in the names of LE and Leona Worf, and Worf Land, L.L.C.; and

SUBJECT TO: current and future real property taxes and special assessments; zoning and other governmental restrictions; and those matters listed on Exhibit A attached hereto and incorporated by reference herein;

(collectively the "Property") for the sum of \$10.00 and other good and valuable consideration.

210404 Title KS

WATER RESOURCES
RECEIVED

APR 2 7 2015

KS DEPT OF AGRICULTURE

DEC-17-2007 03:37PM FAX:6202763384

ID:

PAGE: 002 R=94%

STATE OF KANSAS

**FINNEY COUNTY** 

ss. #646

DATA ENTRY V

This Instrument was filed for Record on the  $\frac{20}{39}$  day of  $\frac{100}{39}$  A.D.  $\frac{200}{3}$ 

in book P M and duly recorded in book Page 5 10 Fee \$ 20 9

Register of Deeds

VOL 251PAGE516

(Space above reserved for Recorder of Deeds certification)

## KANSAS WARRANTY DEED

THIS INDENTURE, Made by and between Worf Land LLC, a limited liability company, duly organized, incorporated and existing under and by virtue of the laws of the State of Kansas and having its principal place of business at 109 West 8th Street, Scott County, Kansas 67871, (herein called the "Grantor"), and Woltemath/Otis Development, Inc., a corporation, duly organized, incorporated and existing under and by virtue of the laws of the State of Nebraska and having its principal place of business at 9140 West Dodge Road, Financial Plaza Building, Suite 242, City of Omaha, State of Nebraska 68114 (herein called the "Grantee").

The ale

WITNESSED: THAT GRANTOR, in consideration of the sum of Ten and NO/100 Dollars (\$10.00) and other valuable consideration duly paid, the receipt of which is hereby acknowledged, does by these presents, sell and convey unto the Grantee, its successors and assigns, the lot, tract or parcel of land, lying, being and situated in the County of Finney and State of Kansas, described on Exhibit A attached hereto and incorporated by reference herein, EXCEPT all rights to water, minerals, oil, gas and other hydrocarbon substances in, to and under the Property, and all rights appurtenant thereto.

SUBJECT TO covenants, conditions, easements, restrictions, reservations of record and taxes and assessments, general and special, not now due and payable.

TO HAVE AND TO HOLD THE SAME, Together with all and singular, the tenements, hereditaments and appurtenances thereto belonging or in any wise appertaining, forever.

And the Grantor, and Grantor's successors and assigns, do hereby covenant, promise and agree to and with the Grantee that at the delivery of these presents Grantor is lawfully seized in Grantor's own right, of an absolute and indefeasible estate of inheritance, in fee simple, of and in all singular the above granted and described premises, with the appurtenances; that the same are free, clear, discharged and unencumbered of and from all former and other grants, titles, charges, estates, judgments, taxes, assessments and encumbrances of what nature of kind whatsoever except as hereinbefore stated, and except for the lien of taxes and assessments both special and general, not now due and payable, and that Grantor will warrant and forever defend the same unto Grantee, and Grantee's successors and assigns, against Grantor, and Grantor's successors and assigns, and all and every person or persons whomsoever, lawfully claiming or to claim the same.

WORDS and phrases herein, including acknowledgement hereof, shall be construed as in the singular or plural number, and as masculine or feminine gender, according to the context.

WATER RESOURCES
RECEIVED

APR 2 7 2015

Entered in Transfer Record in my office this day of A.D., 20 D3
Finney County Clerk ANNED

203389.3

COUNTY, ss.

Deward E. Worf, its Manager, Worf Land, L.L.C., a Kansas limited

personally known to me to be the same person

day of February

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed my official seal on

Le Messenger

Finney

deed, and duly acknowledged the execution of the same.

28th

the undersigned, a Notary Public

the day and year last above written.

liability company

LEE MESSENGER Notary Public - State of Kan

who is

STATE OF KANSAS,

ATTY, REV. 2-80

BE IT REMEMBERED, That on this

My appointment expires November 01, 2003

- WE WITH HELD-

WATER RESOURCES
RECEIVED

,2002, before me,

Notary Public.

who executed the foregoing

in and for the County and State aforesaid, came

APR 2 7 2015

KS DEPT OF AGRICULTURE

SCANNED

State of Kansas, Finney County SS.
This instrument was filed for Record 06/06/2012 at 04:26 PM
& recorded in Book 0305 on Page 21

Fees: \$16.00 20A2-03327

FINNEY COUNTY REGISTER OF DEEDS

305 21

DATA ENTRY LAND INDEX

## KANSAS SPECIAL WARRANTY DEED

EXCEPTING FROM SUCH GRANT AND CONVEYANCE, AND RESERVING TO GRANTOR: all water rights appurtenant to the Property (including but not limited to those vested water rights recorded in Book 24, Page 572 and Book 24, Page 575); provided, however, Grantor acknowledges that there are no existing diversion points on the Property and Grantor waives the right to add or create any diversion points on the Property; and

SUBJECT TO: Easements, rights-of-way, restrictions, reservations and other matters of record; taxes and assessments not yet due and payable; and zoning and other governmental restrictions.

Grantor, for Grantor and Grantor's successors, covenants that Grantor is lawfully seized of Grantor's fee simple interest in the Property and has good right to convey Grantor's fee simple interest in the Property and guarantees the quiet possession and fee simple ownership of the Property against the claims of those claiming any right, interest or title through Grantor, except as may be described above, and further covenants that the Property is free from all encumbrances created by Grantor, except as may be described above, and Grantor will warrant and defend the Property against all lawful claims of those claiming any right, interest or title through Grantor, except as may be described above; but Grantor does not warrant title against those claiming a right, interest or title that arose prior to, or separate from, Grantor's interest in the Property.

[SIGNATURES COMMENCE ON THE FOLLOWING PAGE]

WATER RESOURCES RECEIVED

APR 2 7 2015

KS DEPT OF AGRICULTURE SCANNED

## KANSAS SPECIAL WARRANTY DEED

Effective as of October 17, 2013, WORF LAND, L.L.C., a Kansas limited liability company ("Grantor"), CONVEYS AND GRANTS to NCKAN Partners, Inc., a Kansas corporation ("Grantee"), with an address at c/o Collett & Associates, 1111 Metropolitan Avenue, Suite 700, Charolotte, North Carolina 28204, the real estate described on the attached Exhibit A, which is incorporated by reference herein (the "Property"), for the sum of \$10.00 and other good and valuable consideration;

EXCEPTING FROM SUCH GRANT AND CONVEYANCE, AND RESERVING TO GRANTOR: all water rights appurtenant to the Property (including but not limited to those vested water rights recorded in Book 24, Page 572; Book 24, Page 573; Book 24, Page 574; Book 68, Page 313; and Book 77, Page 836); provided, however, Grantor acknowledges that there are no existing diversion points on the Property and Grantor waives the right to add or create any diversion points on the Property; and

I was a super

SUBJECT TO: Easements, rights-of-way, restrictions, reservations and other matters of record; taxes and assessments not yet due and payable; and zoning and other governmental restrictions.

Grantor, for Grantor and Grantor's successors, covenants that Grantor is lawfully seized of Grantor's fee simple interest in the Property and has good right to convey Grantor's fee simple interest in the Property and guarantees the quiet possession and fee simple ownership of the Property against the claims of those claiming any right, interest or title through Grantor, except as may be described above, and further covenants that the Property is free from all encumbrances created by Grantor, except as may be described above, and Grantor will warrant and defend the Property against all lawful claims of those claiming any right, interest or title through Grantor, except as may be described above; but Grantor does not warrant title against those claiming a right, interest or title that arose prior to, or separate from, Grantor's interest in the Property.

[SIGNATURES COMMENCE ON THE FOLLOWING PAGE]

WATER RESOURCES
RECEIVED

APR 2 7 2015

KS DEPT OF AGRICULTURE

File No.	

Any use of water that is not as authorized by the water right or permit to authorize water <u>before</u> 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.

Dated at APRIL 173 GARDEN CHY Kansas	s, this 17 day of APRIL , 20 15
Mark work  (Owner)  MARK WORF  (Please Print)	(Spouse)
(Please Print)	(Please Print)
(Owner)	(Spouse)
(Please Print)	(Please Print)
(Owner)	(Spouse)
(Please Print)	(Please Print)
State of Kansas ) SS BILL	RY PUBLIC-State of Kaneas LEE DA'NN KOEHN Appt. Exp 8 25 18
hereby certify that the foregoing application was signed in, 20 15.	my presence and sworn to before me this day of
My Commission Expires 8 25 18	Notary Public
FEE SC	CHEDULE

Make check payable to Kansas Department of Agriculture.

WATER RESOURCES
RECEIVED

APR 2 7 2015

SCANNED



109 SW 9th Street, 2nd Floor Topeka, Kansas 66612-1283

Jackie McClaskey, Acting Secretary David W. Barfield, Chief Engineer Sam Brownback, Governor

http://agriculture.ks.gov/dwr

Phone: (785) 296-3717

Fax: (785) 296-1176

April 3, 2015

WORF LAND LLC MARK WORF CO-MGR 1407 MELS DR GARDEN CITY KS 67846

RE: Vested Right, File Nos. FI 036; FI 039 & FI 040

Dear Mr. Worf:

Reference is made to the applications for approval of the Chief Engineer to change the points of diversion under the referenced file numbers which were received in this office on November 24, 2014, and my letter of March 24, 2014.

It is my understanding that you have been working with the Southwest Kansas Groundwater Management District No. 3 and our area Water Commissioner who has informed me that the construction of the proposed well to be authorized by the referenced files will restrict the withdraw of water from the overlying alluvial aquifer. This construction should strive to protect the flows of the Whitewoman Bottoms stream and compliance with K.A.R. 5-5-13.

Further review of the applications found that additional information is needed to process them as proposed. It is required by K.A.R. 5-5-5, Signatures required on change application, that the Division of Water Resources, is require to obtain a notarized signature from each landowner and their spouse, or a duly authorized agent of the authorized place of use. Anyone who owns land listed as authorized under the authority of these file numbers may have an ownership interest in whatever water rights may have been developed, unless otherwise indicated by deed or voluntarily surrendered by the owners. If the extent of each owner's interest in a water right has not been legally determined, then all landowners holding an undetermined portion of the water right must sign the change application. Enclosed will be found an additional signature page for the required signatures. Please note that all signatures must be made in the in the presence of a registered notary.

The change application returned for Vested Right, File No. FI 036, contains an updated topographic map. It attempts to show the location of domestic wells as identified by the Kansas Geological Survey, that are located within one-half (½) mile of the proposed well. The Chief Engineer has requested that the location of all water wells of every kind within one-half (½) mile of a proposed well shall be identified on the topographic map. Identify each as to its use (e.g. domestic, irrigation, industrial, municipal) and furnish the name and mailing address of the owner(s). Please complete the identification and listing of all nearby wells, their owners and add a statement to the map declaring all wells within one-half (½) mile of the requested point of diversion have been plotted, and add your signature to it.

FILE COPY

Per my letter of March 24, 2015, your applications were to be returned to this office by April 23, 2015. In order for the applications retain their priority of filing the requested information must be supplied to complete the applications on or before April 23, 2015. According to law, default in supplying the requested information as outlined above within the time allowed or any authorized extension of time, shall cause dismissal of the applications for change.

Should you need additional time in which to review and or provide the information and you want to request additional time, you must do so in writing, before the time period expires. Such a request should state what steps are being taken to obtain the information and the amount of time you will need to supply the information to our office.

If you do not request more time within the allowed time period, or if your request is not granted, the above-referenced applications will be submitted to the Chief Engineer for final decision based on the recommendation stated above. If you do submit additional information within the time period (or any authorized extension), that information will be given due consideration prior to final action on the applications.

If you have any questions, please contact me at (785) 564-6633. If you wish to discuss a specific file, please have the file number ready so that I may help you more efficiently.

Sincerely,

Leslie Ireland

Environmental Scientist Change Application Unit

Water Appropriation Program

FILE COPY

LI:li Enclosure

pc: Garden City Field Office

Groundwater Management District No. 3

FILE COPY



PO BOX 692, Garden City, Kansas 67846

(620)275-1920

Owner Name:

Mark Worf

Date: 10/14

Address:

1407 Mels Dr.

Test Hole: 3-14

City, St. Zip:

Garden City, KS 67846

Driller: Soukup

GPS:

N37.98435 W100.82929

Contact #: Mark

Mark Worf (620-272-5426)

Dig Safe#14437948

Location:

SE ¼ 9-24-32 Finney County

Static Water Level About:75'

From Old Well:

Total Depth: 267'

0	2	Top Soil		
2	22	Brown Clay		
22	40	Coarse Sand Small Gravel (Loose)		
40	45	Cemented Sand		
45	54	Medium to Coarse Sand, Small Gravel, Few Cemented Sand Streaks		
54	70	Brown Sandy Clay		
70	82	Brown Clay 3 CA4.		
, 82	100	Medium to Coarse Sand Small Gravel, Few Cemented Sand Streaks		
100	111	Medium to Coarse Sand Small Gravel (Loose)		
111	127	Brown Clay, Few Very Small Medium to Coarse Sand Streaks		
127	136	Medium to Coarse Sand, Small Gravel (Clean- Loose)		
136	158	Fine to Medium Sand, Few Small Brown Clay Streaks		
158	174	Soft Brown Sandy Clay With Fine to Medium Sand Streaks		
174	212	Medium to Coarse Sand, Small Gravel, White Broken Rock (Clean- Loose)		
212	219	Brown Clay 7' CLAY		
219	222	Very Fine to Fine Sand, Few Very Small Brown Clay Streaks	WATER RESOURCE	
222	231	Brown Sandy Clay, Fine Sand Streaks	RECEIVED	
231	240	Brown Clay 9'CLAY	NOV 2 4 2014	
240	250	Medium to Coarse Sand Small Gravel, White Broken Rock Chips	2 1 2014	
250	262	Brown Sand Clay, Few Medium Sand Streaks With White Broken Rock	KS DEPT OF AGRICULTURE	
262	267	Yellow Soap Stone		
267		Black Shale	The state of the s	
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