Kansas Department of Agriculture Division of Water Resources

CHANGE: P/D WORKSHEET

1. File Number: 21526-DA	2. Status Change Date:	3. Change Num:	4. Field Office:	5. GMD:
6. Status: ⊠ Approved □	Denied by DWR/GMD	Dismiss by Reques	st/Failure to Return	7. Filing Date of Change: 2/11/19
8a. Landowner,WUC New to system FRED RITSEMA & YO TRUSTS LAKIN DAIRY PO BOX 389 LAKIN KS 67860-038		РО ВО	HAY LLC	Person ID Add Seq# 1
8b. Landowner(s) New to system □	Person ID Add Seq#	8d. WUC New to sy	rstem □	Person ID Add Seq#
9. Documents and Enclosure(s):	leter Seal	⊠ N & P Form	☑ Water Tube	Driller Copy
10. Use Made of Water From:		To: _		
			Date Prepared: 2/26/ Date Entered:	/19 ву: МАМ Ву:

12. Points of Diversion Chick Authorized Authoriz	File No. 21526-DA	11. County:	KE	Bas	sin: AF	RKANS	SAS R	IVER			St	ream:						Hari		rmation Co	de:	Special Use:	
ENT Qualifier S T R ID 'N W Comment (AKA Line) Rate Quantity Rate Quantity af gpm af Overlap PD Files ENT NENESW 8 25 35 W 2295' 3271' 992.5 217.6 992.5 217.6 DEL 14685 13. Storage: Rate NF Quantity ac/ft Additional Rate NF Additional Quantity ac/ft 14. Limitation: af/yr at gpm (cfs) when combined with file number(s) Limitation: af/yr at gpm (cfs) when combined with file number(s) Limitation: af/yr at gpm (cfs) when combined with file number(s) Limitation: af/yr at gpm (cfs) when combined with file number(s) Limitation: af/yr at gpm (cfs) when combined with file number(s)	CHK MOD																40.00		Ad	dditional			
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Comments:	Comments:																						

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



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

Mike Beam, Interim Secretary

Laura Kelly, Governor

February 26, 2019

FRED RITSEMA & YOKA RODENHUIS TRUSTS LAKIN DAIRY **PO BOX 389** LAKIN KS 67860-0389

> RE: Water Right, File No. 21526-DA

Dear Madam or Sir:

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

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

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

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

Sincerely,

Michael A. Meyer

Water Commissioner

MAM:

enclosures

pc:

GROUNDWATER MANAGEMENT DISTRICT NO. 3

CERTIFICATE OF SERVICE

On this 26th day of February, 2019, I hereby certify that the foregoing Approval of Application for Change in Point of Diversion, Water Right, File No. 21526-DA, dated 26th day of February, 2019 was mailed postage prepaid, first class, US mail to the following:

FRED RITSEMA & YOKA RODENHUIS TRUSTS LAKIN DAIRY PO BOX 389 LAKIN KS 67860-0389

With photocopies to:

GROUNDWATER MANAGEMENT DISTRICT NO. 3

Division of Water Resources Staff

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

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

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



STATE OF KANSAS

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

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

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!	under the	e water	right v	vhich is	s the s	ubject	of this	applic	cation i	n acco	ordance	e with	the co	ndition	s desc	cribed	below.		
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5.	Presently authorized point of diversion:	1111	-	-	
	One in the Quarter of the	SE	Quarter of the	SW	Quarter
	of Section8, Township				
	in KEARNY County, Kansas, 600 fe	eet North_	3570 feet West of S	Southeast corner	r of section.
	Authorized Rate 992.5 GPM Authorized Quantity				
	(DWR use only: Computer ID No. 5 GPS				
	☐This point will not be changed ☐This point will be changed as				
	Proposed point of diversion: (Complete only if change is	s request	ed or if existing point is	better describe	ed by GPS)
	One in the Quarter of the				
	of Section 8, Township	25	South, Range	35	(W),
	in KEARNY County, Kansas, 2295 fe	eet North_	3271 feet West of S	Southeast corner	r of section.
	Proposed Rate Proposed Quantity	-	Proposed well depth	(feet)	history
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	AND THE STATE OF STAT			spill bed being	ARTHORIZED AND AND AND AND AND AND AND AND AND AN
6.	Presently authorized point of diversion:	And the same			
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	in County, Kansas, fe	et North	feet West of S	autheast corner	r of section
8 5 1	Authorized Rate Authorized Quantity				
	(DWR use only: Computer ID No GPS_		feet North	foot We	et)
	☐ This point will not be changed ☐ This point will be changed as	e follows:	No change point better de	scribed with GPS	as follows:
	Proposed point of diversion: (Complete only if change is				
	One in the Quarter of the of Section Township		Quarter of the	MATERIAL PROPERTY	Quarter
	in County, Kansas, fe	oot North	South, Range	and the set corner	(E/VV),
	Dranged Date County, Nansas,	eet North _	reet vvest or s	Southeast corner	or section.
	Proposed Rate Proposed Quantity Proposed Quantity				, , , , , , , , , , , , , , , , , , ,
L	This point is: Additional Well Geo Center List other	r water rig	hts that will use this point		
7.	The changes herein are desired for the following reasons? (please be specific) lack of production on current PD	30	0 200 100 North	100 200	300
8.	If a well, is the test hole log attached? X Yes No	200	-1+1+1=	1 + 1 +	200
9.	The change(s) (was)(will be) completed by?				
	March 6 2019	100	-1+1+1=	1 + 1 +	100
10.	If the point of diversion is a well:		Profesional State (Sec.		
	(a) What are you going to do with the old well?	West 0	u duu uuluu uulu ⊗ u 	dun un un un	0 East
	To be plugged	100	-1+1+1=		1 = 100
	(b) When will this be done? March 6 2019	100			
11.	Groundwater Management District recommendation attached? Yes No	200		1 + 1 +	200
12.	Assisted by CAC	30	<u> </u>	100 200	300 Emm
13a	If the proposed point of diversion will be relocated <u>more than 300 feet but within 2,640 feet</u> of the existing point of diversion, attach a topographic map or aerial photograph. For groundwater sources, show all wells (including domestic) within one-half mile of the proposed point of diversion and the names and mailing addresses of the owners. For surface water sources, show the names and addresses of the landowner(s) one-half mile downstream and one-half mile upstream from your property	13b.If the of the diag dive	South	Scale: 1 hashman n will be relocated on, indicate its lo ation to the exi The "X" in cent	within 300 fee ocation on the isting point of er of diagrar

14. If th	e proposed groundwater poir	nt of diversion is 3	300 or fewer feet fro	om the exis	ting point of dive	ersion, complete	e the followi	ng:
(a)	Does the undersigned repre ☐ Yes ☐ No (f the currently auth nust sign this appli		e(s) of use iden	tified in this app	lication?	
(b)	Will the ownership interest affected if this application is ☐ Yes ☐ No (approved as requ			(s) of use identi	ified in this app	lication be a	adversely
(c)	If this application is not appr ☐ Yes ☐ No (y, will there be sub nust sign this appli		mage to propert	y, public health	or safety?	
or a cha	plication proposes a surface nge in place of use, the appli ttach notarized statement aut	cation must be sig	gned by all owners	groundwa of the curr	ter change in po ently authorized	oint of diversion I place of use, o	greater that their duly	n 300 feet authorized
age an	y verify, being first duly d the owner, the spouse ehalf, in regards to the v ned in this applicatjon₁ar	of the owner, ovater right(s) to e true, correct	or a duly author o which this app	ized agen olication	t of the owne	r(s) to make	this applic	cation on
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the appro	priate lee must be paid.							
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	plication to change the place he schedule below: Make ch					impanied by the	application	ree set
	(1) Application to change a p	point of diversion 3	300 feet or less					\$100
	(2) Application to change a p(3) Application to change the							\$200 \$200
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	And Appointment Extension 15, 200 Disconder 15, 200 Disconder 15, 200							
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SUMMARY ORDER APPROVING APPLICATION FOR CHANGE AND IMPOSING CONDITIONS

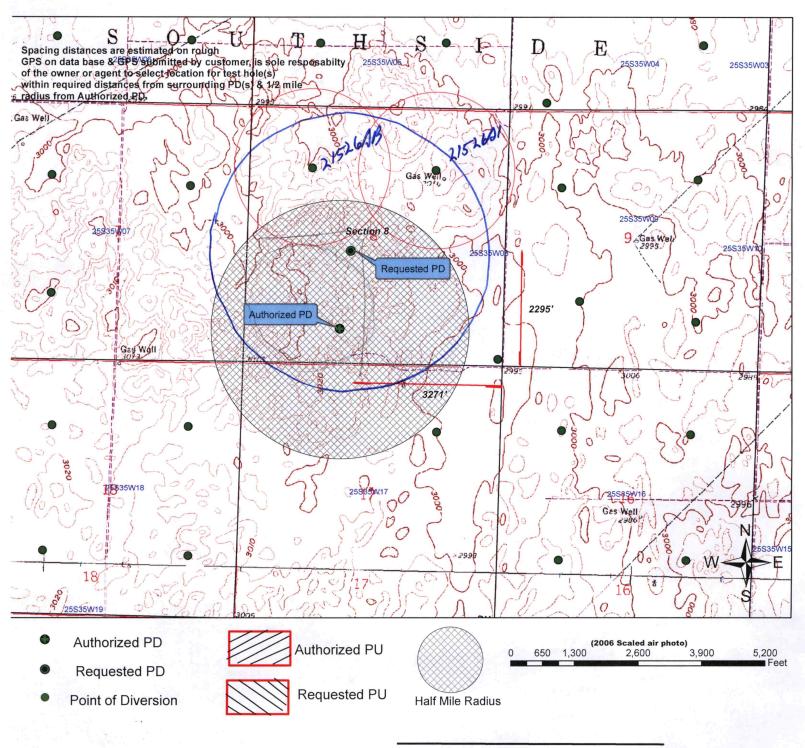
prov With	s Summary Order is issued under authority of K.S.A. 82a-708b, as amended, and K.A.R. 5-5-1, et seq. and other applicable visions of the Kansas Water Appropriation Law, K.S.A. 82a-701 et. seq., and rules and regulations promulgated thereunder, in the exception of those conditions expressly contained herein, this Summary Order does not change the terms, conditions and tations of File No.
1.	A change application was received on February 1/2019 requesting that the place of use and / or point of diversion authorized under the above-referenced file number be changed as described in the application.
2.	On and after the effective date of this summary order, the authorized place(s) of use shall be located substantially as shown on the topographic map accompanying the application to change the place of use. Applicable Not Applicable
3.	The change in point of diversion shall not impair existing rights and shall be limited to the same source or sources of water as previously authorized. The point of diversion authorized by this summary order shall be located within a foot radius of the authorized point(s) of diversion. Applicable
4.	The point(s) of diversion described herein is administratively corrected to be more accurately described using the Global Positioning System (GPS), as described in the application. Applicable
5.	The point(s) of diversion authorized herein shall not actually be located more than feet from the previously authorized point(s) of diversion Applicable Not Applicable
6.	As required by K.A.R. 5-3-5d, if the works for diversion is a well with a diversion rate of 100 gallons per minute or more, a tube or other device suitable for making water level measurements shall be installed, operated and maintained in accordance with K.A.R. 5-6-13. Applicable Not Applicable
7.	The owner of the authorized place(s) of use shall properly install an acceptable water flow meter on or before December 31, 20/7_, or before the first use of water, whichever occurs first. The water flow meter shall be installed, operated and maintained in accordance with K.A.R. 5-1-4 through 5-1-12. As required by K.S.A. 82a-732, as amended, and K.A.R. 5-3-5e, the owner shall maintain records and report the reading of the water flow meter and the total quantity of water diverted annually to the Chief Engineer by March 1 following the end of each calendar year. Applicable Not Applicable
8.	Installation of the works for diversion of water shall be completed on or before December 31, 20, or within any authorized extension of time. By March 1, 20 the applicant shall notify the Chief Engineer that construction of the works for diversion has been completed, on the form provided by the Chief Engineer, as required by K.A.R. 5-8-4e. Applicable \[\text{Not Applicable} \]
9. ′	The completed well log shall be submitted with the required notice. Applicable Not Applicable
10.	All diversion works into which any type of chemical or other foreign substance will be injected into the water shall be equipped with an in-line, automatic, quick-closing check valve capable of preventing pollution of the source of the water supply. The check valve(s) shall be installed, operated and maintained in accordance with K.A.R. 5-3-5c. Applicable \sum Not Applicable
11.	Additional Conditions are attached. Yes No
12.	In accordance with K.S.A. 82a-708a, as amended, and K.A.R. 5-5-14, all of the owners of the authorized place(s) of use of water appropriated under the above-referenced file number are responsible for compliance with its terms, conditions and limitations, as amended and/or supplemented by this Summary Order, and with applicable provisions of the <i>Kansas Water Appropriation Law</i> and the <i>Rules and Regulations</i> promulgated thereunder. Failure to comply with these provisions may result in civil penalties pursuant to K.S.A. 82a-737, as amended, and/or the suspension or revocation and dismissal of the water or appropriation right or any other enforcement actions authorized by law.
4	Administrative Appeal and Effective Date of Order FOR OFFICE USE ONLY
you Eng Agri filed adm day revi File Leg 665	APPLICATION APPROVED AND SUMMARY ORDER ISSUED Which is order, pursuant to K.S.A. 82a-1901, may request an evidentiary hearing before the Chief pineer or request administrative review by the Secretary of iculture. A request for hearing by the Chief Engineer must be individually the Secretary must be filled within 30 is pursuant to K.S.A. 77-531. Any request for administrative we must state a basis for review pursuant to K.S.A. 77-527. any request with Kansas Department of Agriculture, all Division, 1320 Research Park Drive, Manhattan, KS in 102. Failure to timely request a hearing or review may clude review under the Kansas Judicial Review Act. APPLICATION APPROVED AND SUMMARY ORDER ISSUED By: Duly Authorized Designee of the Chief Engineer Symman Agriculture Division of Water Resources - Kansas Department of Agriculture Date of Issuance: State of Kansas) State of Kansas
	For Use by Register of Deeds County of June)
	Acknowledged before me on Lebruary 26, 2019
	by Michael A. Meyer
	Signature: Notary Public My commission expires (Notary Expires (Notary Expires
	December 15, 2022

Page 4

File No. _

DWR 1-121 (Revised 04/5/2018)

Point of Diversion Change WR 21526 DA T 25 R35W Sec 8 Kearny County



Applicant Signature

By signing this map the applicant is aware that no other wells (Irrigation, Domestic, Industrial etc) are within the 1/2 mile radius circle.

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



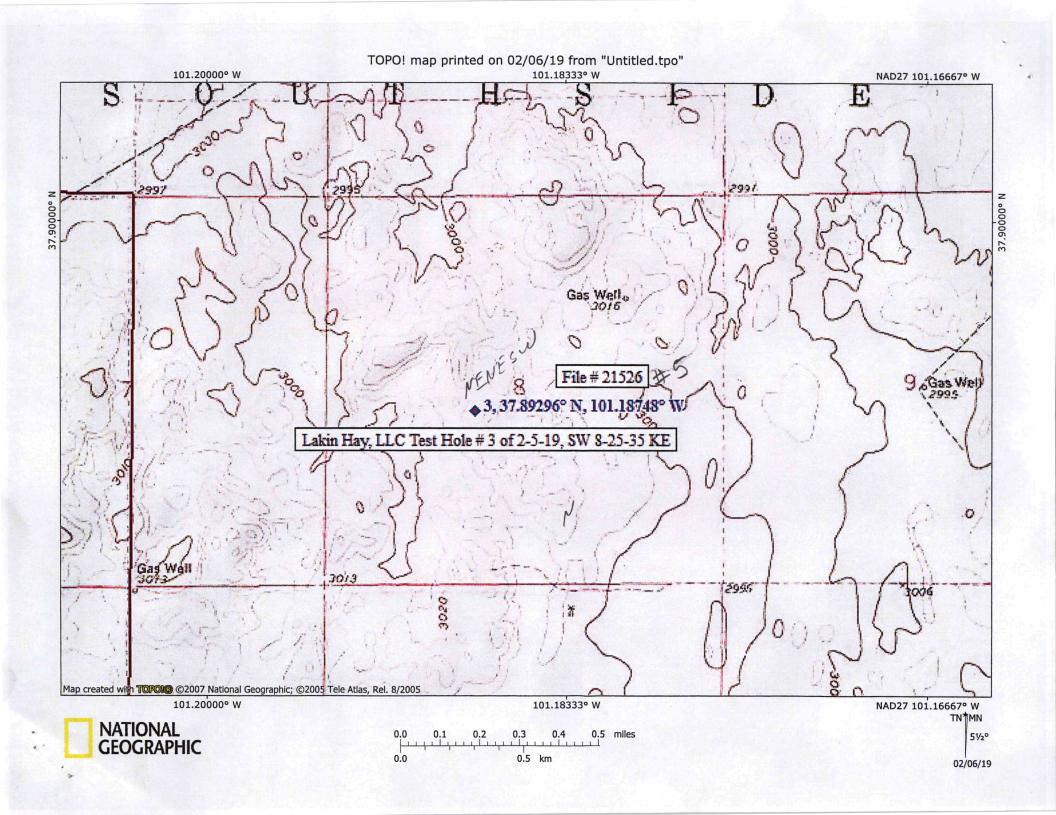


FRED RITSEMA 620-271-1098

Customer	Name:	Lakin Hay, LLC			WO#: 150	0/3	Date: 2	-5-19
Street Add	The second second second second	P.O. Box			Test #: 3		E LOG:	
City, State		LAKIN KS.	67860		Driller: Dal	le Guini	,	
County:	Kearny	Quarter: SW	Section:	8	Township:	25		35
Location:	-/			GPS:	N37,89296 L	1101.18	748	
Rig #:	10002		Elevation: 30	28'	Static WL: App	, 230' E	stimated?	
					Proposed Well D		805	

WELL LOCATION 5'SUMP Footage **Description of Strata** % From Pay To Sand fine to med course small mad lorge gravel Sand fine to med course small few med grovel w/ couple chy st Sand fine to med course small gravel w/few thin clay stringers Brown & Light Blue Clay w/Some course Sand ledges
Sand fine to med course some small grave / w/couple clay stringe
Brown sandy clay w/few sand strips
Sand fine some med Sand fine to med course w/couple clay lockes Brown sandy clay Fine Sand w/courte clay stringers Sandstone + some swaps tone Soomstone Sandstone Soupstone Sandstone + Soupstone

Iron Pirite - Very Very Hard-Super Gel X -13 Grout -5 Bent. 12/ng 3/4 -6 Perma Plug 43/4 Drag 13/1. 1/2





Southwest Kansas Groundwater Management District No. 3 2009 E. Spruce Street

Garden City, Kansas 67846

(620) 275-7147 phone (620) 275-1431 fax www.gmd3.org

February 25, 2019

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

RE:

Application for Change in Point of Diversion

Water Right, File Nos. 21526 DA

Dear Mike:

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

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

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

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

Sincerely.

Jason L. Norquest Assistant Manager

GMD3 Change Review

File No(s).: 215	526 D2.		DWR office: GC.	
App filed to char			77.00.100	
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Authorized PD	600	3570	Sect 8-25-35	
Proposed PD	2295	3271		
Difference	-1695 r			
a2+b2=c2	2873025	89401	1721.17 foot move NE	GPS
for proposed PD	: Lat: 37.89	296 Long	<u>: -101.8748</u> .	
Is proposed PD s	stacking on e	existing WRs?	NO	
Is Proposed PU	overlapping	existing WRs	? No Change.	
Land Owner(s) r	notified:		Principal Commence of the Comm	
Name		Name		
Address		Address		
Zip		Zip		
Neighboring cer	tified well(s)	notified:		
Name		Name .		
Address .		Address .		
Zip		Zip		
Domestic well(s) notified:	to State Intel M		
Name	_	Name		
Address		Address		
Zip		Zip		
Base Acres: .		_	The state of the s	
Perfected Acres:				
Irr. Return-Flow	%			
Minimum spaci		boring wells	is met.	
Spacing to dom	_			
			t drawdown criteria and did N	OT need

Is a waiver needed: All wells met the less than 4 foot drawdown on initial analysis. Final Recommendation: After review of all available information, it appears all current area rules are met. Well analysis showed the proposed move should have minimal effect on neighboring wells. Staff therefore recommends approval of the application.

further critical well analysis.

JA

Water Rights and Points of Diversion Within 1.00 miles of point defined as: 2295 ft N and 3271 ft W of the SE Corner of Section 8, T 25S, R 35W 101.187482 West Longitude and 37.892960 North Latitude Located at: GROUNDWATER ONLY File Number Use ST SR Dist (ft) Q4 Q3 Q2 Q1 FeetN FeetW Sec Twp Rng ID Batt Auth_Quan Add Quan Unit A 14344 D1 IRR NK G 5087 - SE SW SW 78 4547 4 25 35W 5 /6 03 256.00 256.00 AF 4615 - NE SW NW 3702 4107 9 25 35W 5 A__ 14344 D2 IRR NK G 256.00 256.00 AF 4886 -- SW NE SW 1370 3705 9 25 35W 8 A__ 14344 D3 IRR NK G 256.00 256.00 AF A_ 14344 D4 IRR NK G 4113 -- -- NC NE 3960 1320 17 25 35W 1 256.00 256.00 AF 21526 D1 IRR NK G 2565 -- -- NC NE 3960 1320 8 25 35W 1 1 217.60 217.60 AF 3809 -- SE SE SE 185 100 8 25 35W 6 A 21526 D3 IRR NK G 2 / = 0 435.20 435.20 AF A_ 21526 DA IRR NK G* 1721 -- SW SE SW 600 3570 8 25 35W 5 /40,217.60 217.60 AF 1802 -- -- NC NW 3960 3960 8 25 35W 2 A__ 21526 DB IRR NK G 217.60 217.60 AF 4326 -- -- NW SW 1320 3960 5 25 35W 3 21611 00 IRR NK G 278.00 278.00 AF A__ 4712 -- -- NC SE 1320 1320 5 25 35W 4 282.00 282.00 AF Same 260.00 260.00 AF 3416 -- NW SE NE 3559 1143 7 25 35W 6 A__ 27342 D1 IRR NK G 235.00 27342 D4 IRR NK G 4830 -- NW SE NE 3950 1076 18 25 35W 5 235.00 AF Total Net Quantities Authorized: Direct Storage Minimum Spacing MET. Total Requested Amount (AF) = .00 Total Permitted Amount (AF) = .00 .00 Total Inspected Amount (AF) = .00 .00 .00 Total Pro_Cert Amount (AF) = .00 Total Certified Amount (AF) = 3167.00 .00 Total Vested Amount (AF) = .00 .00 TOTAL AMOUNT (AF) = 3167.00 .00 An * after the source of supply indicates a pending application for change for the file number. An \star after the ID indicates a 15 AF exemption was granted for the file number. A "G" in the Batt column indicates the GEO CTR of a battery. A "B" indicates a well in the battery. The number in the Batt column is the number of wells in the battery. Water Rights and Points of Diversion Within 1.00 miles of point defined as: 101.187482 West Longitude and 37.892960 North Latitude GROUNDWATER ONLY WATER USE CORRESPONDENTS: File Number Use ST SR A 14344 D1 IRR NK G > KYLE & GENEVA KOEHN > 1205 ROAD Y > LAKIN KS 67860

14344 D2 IRR NK G > DAVID K & CONNIE J GOERTZEN TRUST > 1892 ROAD 105 > LAKIN KS 67860 A__ 14344 D3 IRR NK G

> CALVIN R & DEBRA J KOEHN

 In the second of the second of
> 9228 N 2420 RD
> THOMAS OK 73669
>
A 14344 D4 IRR NK G
> CALVIN R & DEBRA J KOEHN
>
> 9228 N 2420 RD
> THOMAS OK 73669
>
A_ 21526 D1 IRR NK G
> JEFFREY K & PAMALA A KOEHN
>
> 415 STATE HWY 266
> SAPELLO NM 87745
>
A 21526 D3 IRR NK G
> CALVIN R & DEBRA J KOEHN
>
> 9228 N 2420 RD
> THOMAS OK 73669
>
A 21526 DA IRR NK G
> FRED RITSEMA & YOKA RODENHUIS TRUSTS
> LAKIN DAIRY
> PO BOX 389
> LAKIN KS 67860
>
A 21526 DB IRR NK G
> FRED RITSEMA & YOKA RODENHUIS TRUSTS
> LAKIN DAIRY
> PO BOX 389
> LAKIN KS 67860
>
A 21611 00 IRR NK G
> NEWPORT FARMS LLC
>
> PO BOX 1027
> LAKIN KS 67860
>
A 27342 D1 IRR NK G
> GLENN D & LORNA M JOHNSON
> 1194 ROAD V5
> LAKIN KS 67860
>
A 27342 D4 IRR NK G
> GLENN D & LORNA M JOHNSON
>
> 1194 ROAD V5
> LAKIN KS 67860

INPUTS	
Target Section Definition	
Section	8
Township	25
Range	35
Range Direction	W
Target Point Coordinates (NA	D27 or NAD83)
Target Longitude	-101.187480
Target Latitude	37.892960

Load Data and Compute

Instructions

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

	Loaded Section From LEOBASE usin	
Corner	Corner Latitudes	Corner Longitudes
SW	37.88661725	-101.19499767
NW	37.90102138	-101.19481361
NE	37.90109783	-101.17650334
SE	37.88667861	-101.17659454

Target Point Distances from Corners using NAD83 Corner Feet North(+)/South(-) Feet East(-)/West(+)

SW -2169 2310 -2116 NW -2936 NE 3168 -2963 SE 2287 3141

3.46516845E-06

2.74614316E-06

Loaded Section Data From LEOBASE using NAD27

Degrees Longitude per Foot

Degrees Latitude per Foot

Corner	Corner Latitudes	Corner Longitudes
SW	37.88659700	-101.19455000
NW	37.90100100	-101.19436600
NE	37.90107700	-101.17605600
SE	37.88665800	-101.17614700
Degrees	Longitude per Foot	3.46516749E-06
Degrees	Latitude per Foot	2.74598553E-06

Target Point Distances from Corners using NAD27 Corner Feet North(+)/South(-) Feet Fast(-)/West(+)

Comer reet worth (+)/South (-) reet Las		SI(-)/VVESI(T)
SW	2317	-2040
NW	-2928	-1987
NE	-2956	3297
SE	2295	3271

Target point is In Section

Target point is In Section

Difference (NAD83 Minus NAD27)

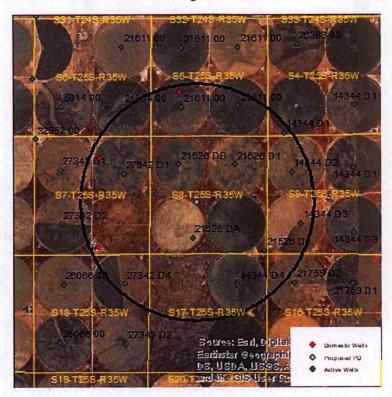
Corner	Corner Latitudes	Corner Longitudes
SW	0.00002025	-0.00044767
NW	0.00002038	-0.00044761
NE	0.00002083	-0.00044734
NE SE	0.00002061	-0.00044754

Difference (NAD83 Minus NAD27)

Billerence (it ibee illines it iba)			
Corner	Feet North(+)/South(-)	Feet East(-)/West(+)	
SW	-7.50699056	-129.19084439	
NW	-7 25322815	-129 17354395	

Evaluation of proposed move for Water Right No 21526

Proposed: Move the well authorized under water right no. 21526 DA 1623 ft to the northeast.



Wells within 1 mile: 21526 D3, 21526 DB, 21526 D1, 14344 D4, 14344 D1, 14344 D2, 14344 D3, 27342 D4, 27342 D1, 21611 ID3, 21611 ID4, a domestic well in the southeast ¼ of 7-25-35, a domestic well in the northeast ¼ of 7-25-35, and a domestic well in the southwest ¼ of section 5-25-35.

The saturated thickness at the proposed well location is estimated to be 370 ft, based upon the driller's log at the proposed well location from February 2, 2019. For saturated thicknesses greater than 200 ft, the maximum allowable Theis drawdown to neighboring critical wells is 4.0 ft.

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

S = 0.1881, T = 16,688 ft²/day, $tp_{current} = 92$ days (based upon reported rate and reported quantity), $Q_{current} = 400$ gpm (based upon last reported rate), $tp_{proposed} = 50$ days, $Q_{proposed} = 992.5$ gpm. Wells were given the following X-Y coordinates:

21526 DA (Current PD): X = -112,181 ft, Y = 369,296 ft

Proposed PD: X = -111,985 ft, Y = 370,898 ft

21526 D3: X = -108,938 ft, Y = 368,736 ft

21526 DB: X = -112,793 ft, Y = 372,577 ft

21526 D1: X = -110,267 ft, Y = 372,577 ft

14344 D4: X = -110,149 ft, Y = 367,213 ft

14344 D1:	X = -108,014 ft, $Y = 373,997$ ft
TANTA DT.	V = -100'014 II' I = 212'221 II

Theis drawdowns were calculated as follows:

21526 D3: Drawdown from current location = 0.71 ft

Drawdown from proposed location = 0.91 ft

Net drawdown = 0.2 ft

21526 DB: Drawdown from current location = 0.71 ft

Drawdown from proposed location = 1.67 ft

Net drawdown = 1.0 ft

21526 D1: Drawdown from current location = 0.64 ft

Drawdown from proposed location = 1.32 ft

Net drawdown = 0.7 ft

14344 D4: Drawdown from current location = 0.77 ft

Drawdown from proposed location = 0.84 ft

Net drawdown = 0.1 ft

14344 D1: Drawdown from current location = 0.45 ft

Drawdown from proposed location = 0.72 ft

Net drawdown = 0.3 ft

14344 D2: Drawdown from current location = 0.50 ft

Drawdown from proposed location = 0.79 ft

Net drawdown = 0.3 ft

14344 D3:

Drawdown from current location = 0.53 ft

Drawdown from proposed location = 0.75 ft

Net drawdown = 0.2 ft

27342 D4:

Drawdown from current location = 0.66 ft

Drawdown from proposed location = 0.74 ft

Net drawdown = 0.1 ft

27342 D1:

Drawdown from current location = 0.59 ft

Drawdown from proposed location = 0.96 ft

Net drawdown = 0.4 ft

21611 ID3:

Drawdown from current location = 0.48 ft

Drawdown from proposed location = 0.81 ft

Net drawdown = 0.3 ft

21611 ID4:

Drawdown from current location = 0.46 ft

Drawdown from proposed location = 0.77 ft

Net drawdown = 0.3 ft

Domestic SE 7-25-35:

Drawdown from current location = 0.59 ft

Drawdown from proposed location = 0.74 ft

Net drawdown = 0.2 ft

Domestic NE 7-25-35:

Drawdown from current location = 0.50 ft

Drawdown from proposed location = 0.75 ft

Net drawdown = 0.3 ft

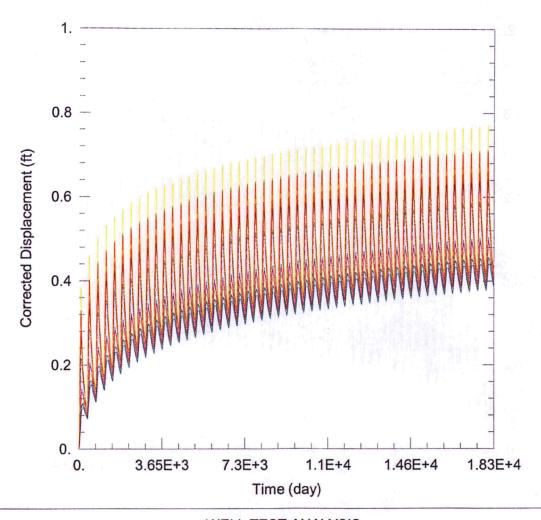
Domestic SW 5-25-35:

Drawdown from current location = 0.44 ft

Drawdown from proposed location = 0.73 ft

Net drawdown = 0.29 ft

Net drawdown does not exceed 4.0 ft on any neighboring well, so critical well evaluation is not necessary.



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2019_moves\21526\21526 Current.aqt
Date: 02/22/19 Time: 14:19:28

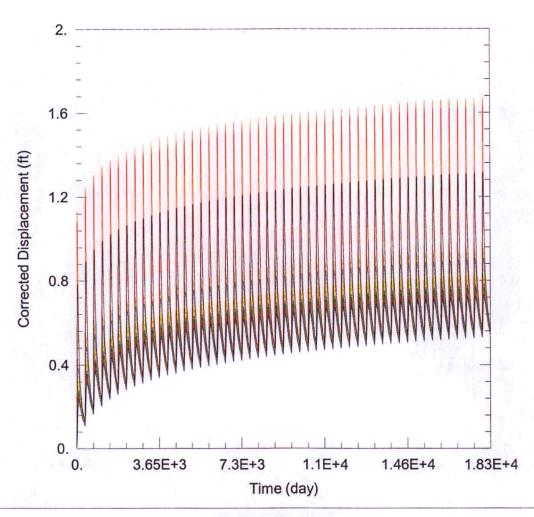
PROJECT INFORMATION

Company: GMD 3 Client: Lakin Hay Project: 21526 DA Location: Kearny County Test Well: 21526 DA

WELL DATA

Pumping Wells		
Well Name	X (ft)	Y (ft)
21526 DA	-112181	369296

Observation vveils		
Well Name	X (ft)	Y (ft)
0	-112181	369296
a 21526 D3	-108938	368736
□ 21526 DB	-112793	372577
□ 21526 D1	-110267	372577
□ 14344 D4	-110149	367213
□ 27342 D4	-115227	367239
□ 27342 D1	-115293	372174
- 21611 ID3	-112688	375130
□ 21611 ID4	-110110	375169
□ 14344 D1	-108014	373997
□ 14344 D2	-107688	372265
□ 14344 D3	-107272	369947



WELL TEST ANALYSIS

PROJECT INFORMATION

Company: GMD 3 Client: Lakin Hay Project: 21526 DA Location: Kearny County Test Well: 21526 DA

WELL DATA

Fullipling Wells		
Well Name	X (ft)	Y (ft)
21526 DA	-111985	370898

Well Name	X (ft)	Y (ft)
	-111985	370898
- 21526 D3	-108938	368736
□ 21526 DB	-112793	372577
□ 21526 D1	-110267	372577
o 14344 D4	-110149	367213
□ 27342 D4	-115227	367239
□ 27342 D1	-115293	372174
□ 21611 ID3	-112688	375130
□ 21611 ID4	-110110	375169
□ 14344 D1	-108014	373997
□ 14344 D2	-107688	372265
□ 14344 D3	-107272	369947

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



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

Mike Beam, Interim Secretary

Laura Kelly, Governor

February 19, 2019

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

Re:

Water Right File No. 21526 DA

Dear Mr. Norquest:

This is to advise you that Lakin Hay LLC has filed an application for approval of the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, to change the point of diversion for the above referenced file. The owner has requested that we expedite this review in order to make plans for the upcoming irrigation season.

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

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

Sincerely,

Michael A. Meyer

Water Commissioner

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



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

Mike Beam, Interim Secretary

Laura Kelly, Governor

February 12, 2019

JEFFREY K & PAMALA A KOEHN 415 STATE HWY 266 SAPELLO NM 87745

RE: Water Right, File No. 21526 DA

Dear Madam and Sir:

This is to advise you that Lakin Hay LLC has filed an application for approval of the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, to point of diversion under the above referenced application.

You can find the complete application posted by water right file number as referenced above at www.agriculture.ks.gov/divisions-programs/dwr/water-appropriation/notices

You are notified on this proposed place of use so that you may furnish this office with any comments or other information you may want to submit. Such comments or other information must be received in this office within 15 days from the date 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 file number when you contact us if you wish to discuss a specific file.

Sincerely,

Michael A. Meyer Water Commissioner

MAM

Pc:

Groundwater Management District No. 3