Kansas Department of Agriculture Division of Water Resources

CHANGE: P/D WORKSHEET

1. File Number: 21769	2. Status Change Date: 5-22-2023	3. Change Num:	4. Field Office:	5. GMD:
6. Status: Approved De	enied by DWR/GMD	Dismiss by Reques	t/Failure to Return	7. Filing Date of Change: 5/5/2023
8a. Applicant(s) New to system SYRACUSE DAIRY LLC Attn: TATE FARMS 751 SE CR 36 SYRACUSE, KS 67878-		8c. Landown New to sy		Person ID Add Seq#
8b. Landowner(s) New to system 8a	Person IDAdd Seq#	8d. WUC New to sy	vstem □	Person ID 40486 Add Seq#
9. Documents and Enclosure(s): Anti-Reverse Meter	er Seal	⊠ N & P Form	☐ Water Tube	to Comply: 3/1/2024 Driller Copy
10. Use Made of Water From:		To:	Date Prepared: 5/22 Date Entered:	

File No. 21769	11. County:	GT	Ва	sin: AF	RKAN	ISAS F	RIVER			S	tream	1					1 12		ormation Code 11/331):	Special Us	e:
12. Points of Diversion CHK MOD DEL PDIV															and Q Authori	uantity		А	dditional			
ENT Qualifier	S	Т	R	ID		'N	'W		Com	nment	(AKA	Line)		Rate		Quantit af	У	Rate			ap PD Files	
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		I.A.	4													77						
13. Storage: Rate		NF	Quar	ntity					ac/ft	Α	ddition	nal Rat	e				NF	Addi	tional Quantity	у	411	ac/ft
14. Limitation:	af/yr a	at	- 1		1	gpm (_			- 1	cfs) w	hen co	ombine	ed with	file n	umber	(s)			-		100	
Limitation:	af/yr a	at		-175		gpm (_				cfs) w	hen co	ombine	ed with	file n	umber	(s)			-		<u> Zeul</u>	
15. 5YR Allocation: Allocation	Туре	Sta	ırt Year		+	5 YR	Amou	nt		Am	ount U	nit	_	Base	Acres	_	_ Co	omment.	-			
16. Place of Use CHK			NE1/4				NW1/4 SW1/4				SE1/4				Total	Owner C	Chg? Ov	erlap Files				
MOD DEL ENT PUSE S T R	ID	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4		9 3	3 1 .	1	
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	31								Table 1									1	24 42			
Base Acres: Year: Comments: KEEP COMMENT Fo		linimun 53319	n Reas	onable	Quar	ntity:					1					10. T	- T	İ	317			

Garden City Field Office 4532 W. Jones, Suite B Garden City, KS 67846



Phone: 620-276-2901 Fax: 620-276-9315

www.agriculture.ks.gov

Mike Beam, Secretary

Laura Kelly, Governor

May 22, 2023

SYRACUSE DAIRY LLC Attn: TATE FARMS 751 SE CR 36 SYRACUSE, KS 67878-7822

RE: Field Office Application for Change

Water Right, File No. 21769

Dear Sir or Madam:

Enclosed is the 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 an acceptable water flow meter must be installed on the diversion works authorized under the referenced file number and meet current specifications. Please return the required notification of completion of the diversion works and installation of the required meter as soon as these actions are completed.

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

Should you have any questions, please feel free contact 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 22nd day of May 2023 I hereby certify that the foregoing Approval of Application for Change in Point of Diversion, Water Right, File No. 21,769 dated 22nd day of May 2023 was mailed postage prepaid, first class, US mail to the following:

SYRACUSE DAIRY LLC Attn: TATE FARMS 751 SE CR 36 SYRACUSE, KS 67878-7822

Pc:

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. MAY **0** 5 2023 File No. 21769 Application is hereby made for approval of the Chief Engineer to change the (check one or both): Garden City Field Office Division of Water Resources ☐ Place of Use Point of Diversion under the water right which is the subject of this application in accordance with the conditions described below. The source of supply is: □ Groundwater Surface water 2. Name and address of Applicant: SYRACUSE DAIRY LLC, Attn: TATE FARMS 751 SE CR 36, SYRACUSE, KS 67878-7822 Email address: frankesyracusedairy, com Phone Number: (785) 820-6093 Name and address of Water Use Correspondent: Same Phone Number: () Email address: The presently authorized place of use is: Owner of Land ---- NAME: Same ADDRESS: (If there is more than one landowner, attach supplemental sheets as necessary.) NW1/4 SW1/4 SE1/4 TOTAL NE1/4 NW1/4 SW1/4 NW1/4 SW1/4 NW1/4 SW1/4 NW1/4 SW1/4 Twp. Range If this application is for a change in place of use, it is proposed that the place of use be changed to: NO CHANGE PROPOSED Owner of Land ---- NAME: ADDRESS: (If there is more than one landowner, attach supplemental sheets as necessary.) NE1/4 NW1/4 SW1/4 SE1/4 TOTAL SW1/4 SW1/4 NW1/4 NE1/4 NW1/4 NE1/4 NW1/4 SW1/4 NE1/4 NW1/4 Twp. Range

For Office Use Only: Code Fee \$_\(\frac{1}{2}\)O0.00 TR # Receipt Date $(6-5-23)$ Check # $(90-5)$

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	Authorized Rate									
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	Proposed point									
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	of Section	2	, Townsh	ip	27	So	uth, Range		36	W,
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	Proposed point									
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11.	Groundwater Mar	nagement Distri	ct recommendati	on attached?	200	-1+	1 + 1	= 1 +	- 1 +	200
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12.	Assisted by mdf/0	GCFO			300		100	0 10	00 200	300
13:	a. If the proposed po	int of diversion	will be relocated	more than 30	0		;	South	Scale: 1 hashma	rk=10 ft
	feet but within 2,6	40 feet of the e	xisting point of di	version, attac	h 13b. If the	proposed	point of dive	ersion will b	oe relocated	within 300 feet
	a topographic m sources, show all	ap or aerial p	notograph. Fo a domestic) withi	r groundwate n one-half mil	er of the	ram show	point of di	version, in relation	to the ex	location on the isting point of
	of the proposed	point of diversi-	on and the name	es and mailin	g diver	rsion. (Pl	LEASE NOT	E: The "	'X" in cent	ter of diagram
	addresses of the names and add	owners. For si	urface water sou	rces, show th	e abov	repre repre	sents the	presently	y authori	zed point of
	downstream and					. 5.511.)				
	lines									

Presently authorized point of diversion:

14. If th	ne proposed grour	dwater point of diversi	on is 300 or fewer feet from	om the existing point of	diversion, complete the	ne following:
(a)			ners of the currently auth ners must sign this appli		dentified in this applica	ation?
(b)	affected if this ap	plication is approved a	er of the currently autho is requested? wners must sign this app	, , , ,	entified in this applica	ation be adversely
(c)			litiously, will there be sub ners must sign this appli		perty, public health or	safety?
or a cha	ange in place of us		ge in point of diversion, at be signed by all owners presentation).			
age an their b contai	nd the owner, the ehalf, in regard ned in this appl	e spouse of the ow ls to the water righ ication are true, co	oon my oath or affirm mer, or a duly author t(s) to which this ap rrect and complete.	ized agent of the ov plication pertains.	vner(s) to make thi I further verify tha	is application on t the statements
Dated a	70	yracuse	, Kansas, this	_3ra day of	1-149	, 20_23
	((Owner)			(Spouse)	
Ro	ss Geube	lle Member	Syracuse I	Dairy, LLC		
		(Please Print)		1)	(Please Print)	
		(Owner)			(Spouse)	
-		(Please Print)			(Please Print)	
		(Owner)			(Spouse)	
		(Please Print)			(Please Print)	
State of County	Kansas of Hemi	ton ss				ard
of <u>\V</u>	reby certify that	the foregoing applic	NOTARY PUBLIC - Sta Eliana Tari My Appt. Expires	ate of Kansas	vorn to before me	this 3 day
IVIY COII	imission Expires_	0[176	*			7-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1
accurate		if necessary, must be incl	SSED. To be complete, all uded; signatures of all the a			
	the schedule below (1) Application to (2) Application to	w: Make checks payab o change a point of dive o change a point of dive	FEE SCHEDING PROPERTY OF THE PROPERTY OF T	er this section shall be a ent of Agriculture 		\$100 \$200

Page 3

File No. <u>21769</u>

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

SUMMARY ORDER APPROVING APPLICATION FOR CHANGE AND IMPOSING CONDITIONS

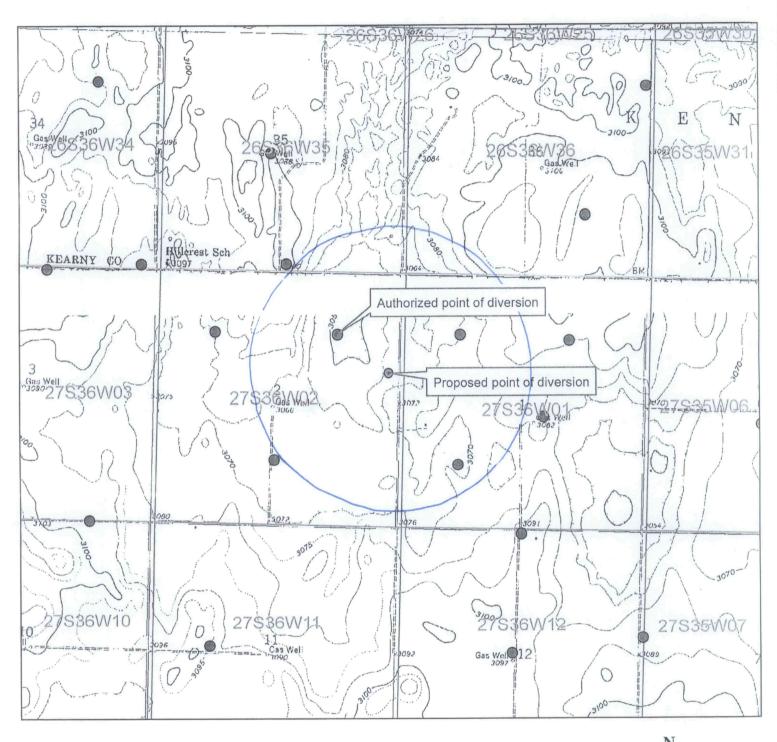
prov With	visions of the Kansas Water Appropriation Law, K.S.A. 82a	08b, as amended, and K.A.R. 5-5-1, <i>et seq.</i> and other applicable a-701 <i>et. seq.</i> , and rules and regulations promulgated thereunder sin, this Summary Order does not change the terms, conditions and
1.	A change application was received on diversion authorized under the above-referenced file num	requesting that the place of use and / or point on the described in the application.
2.	On and after the effective date of this summary order, the authe topographic map accompanying the application to ch	uthorized place(s) of use shall be located substantially as shown or ange the place of use. Applicable Not Applicable
3.	The change in point of diversion shall not impair existing rig previously authorized. The point of diversion authorized I radius of the authorized point(s) of diversion. ☑ Applicate	phts and shall be limited to the same source or sources of water as by this summary order shall be located within a foot ble Not Applicable
4.	The point(s) of diversion described herein is administrative Positioning System (GPS), as described in the application	vely corrected to be more accurately described using the Globa n. ☐ Applicable ☐ Not Applicable
5.	The point(s) of diversion authorized herein shall not actually authorized point(s) of diversion.	y be located more than feet from the previously 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 ents shall be installed, operated and maintained in accordance with
7.	December 31, 20_23, or before the first use of water operated and maintained in accordance with K.A.R. 5-1-4	roperly install an acceptable water flow meter on or before r, whichever occurs first. The water flow meter shall be installed through 5-1-12. As required by K.S.A. 82a-732, as amended, and the reading of the water flow meter and the total quantity of water wing the end of each calendar year.
8.	authorized extension of time. By March 1, 20 24 the	e completed on or before December 31, 20, or within an eapplicant shall notify the Chief Engineer that construction of the vided by the Chief Engineer, as required by K.A.R. 5-8-4e.
9.	The completed well log shall be submitted with the requ	uired notice. Applicable Not Applicable
10.	with an in-line, automatic, quick-closing check valve capa	foreign substance will be injected into the water shall be equippeable of preventing pollution of the source of the water supply. The din accordance with K.A.R. 5-3-5c. ⊠ Applicable ☐ Not Applicable
11.	Additional Conditions are attached. Yes No	
12.	water appropriated under the above-referenced file num limitations, as amended and/or supplemented by this Sur Appropriation Law and the Rules and Regulations promi	A.R. 5-5-14, all of the owners of the authorized place(s) of use on the rare responsible for compliance with its terms, conditions and immary Order, and with applicable provisions of the <i>Kansas Wate</i> sulgated thereunder. Failure to comply with these provisions may mended, and/or the suspension or revocation and dismissal of the ions authorized by law.
	Administrative Appeal and Effective Date of Order	FOR OFFICE USE ONLY
lf yo	ou are aggrieved by this order, pursuant to K.S.A. 82a-1901,	APPLICATION APPROVED AND
you	may request an evidentiary hearing before the Chief gineer or request administrative review by the Secretary of	SUMMARY ORDER ISSUED
Agri	riculture. A request for hearing by the Chief Engineer must be d within 15 days of service of this Order and a request for	By: Duly Authorized Designee of the Chief Engineer
adn	ministrative review by the Secretary must be filed within 30 ys pursuant to K.S.A. 77-531. Any request for administrative	(Print Name): MI CHAEL A. MEYER
revi	iew must state a basis for review pursuant to K.S.A. 77-527.	Division of Water Resources - Kansas Department of Agriculture
Leg	e any request with Kansas Department of Agriculture, gal Division, 1320 Research Park Drive, Manhattan, KS	Date of Issuance: May 22, 2023
665	502. Failure to timely request a hearing or review may clude review under the Kansas Judicial Review Act.	State of Kansas
	For Use by Register of Deeds	County of County
		Acknowledged before me on May, 22, 2023
		by Michael A. Meyer
		Signature Aaron Hollted
		My commission expires Notary Public AARON T. HOLSTED My Appointment Expires (Notary 16-20)27

Page 4

File No. 21769

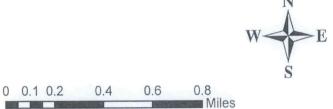
DWR 1-121 (Revised 04/5/2018)

Change in point of diversion for water right 21769





Proposed point of diversion



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

X 05/03/23

mdf/GCFO

TH#2

Downey Drilling Inc.

CUSTOMER NAME: SYRACUSE DAIRY

Mater Resources

Division of Water Resources

APR 27 2023

COUNTY: GRANT CO, KS

GPS: 37.730455

BECEINED

-101.217613

FROM	то	ТҮРЕ	HARDNESS	COLOR	SPEED	PULL DOWN	OTHER / DRILLING ACTION
	3	SURFACE SAND	SOFT	BROWN	FAST		SMOOTH
	15	BROWN SILTY CLAY	SOFT	DARK BROWN	FAST		SMOOTH
5	44	FINE SAND	SOFT		FAST	1219	SMOOTH
14	67	FINE SAND W/ SANDY CLAY TRACE	SOFT	BROWN	FAST	Eller	VIBRATION
67	75	SANDY CLAY W/ CALICHE	FIRM	BROWN & WHITE	FAST		СНОРРУ
75	107	FINE-MED-COARSE GRAVEL	STIFF		FAST		CHATTER
107	122	BIG ROCKS	HARD		SLOW		CHATTER
122	128	FINE-MED GRAVEL	STIFF		FAST		CHATTER
128	130	BROWN CLAY	SOFT	BROWN	FAST		sмоотн
130	134	FINE-MED-COARSE SAND W/ FINE GRAVEL	STIFF		FAST		FAST CHATTER
134	136	CEMENTED SAND	HARD	WHITE	SLOW		CHATTER
136	174	FINE-MED-COARSE SAND W/ FINE GRAVEL	STIFF		FAST		FAST CHATTER
174	196	BLUE CLAY	STICKY	BLUE	FAST		SMOOTH
196	274	FINE-MED-COARSE SAND W/ FINE GRAVEL	FIRM		FAST		FAST CHATTER
274	280	BROWN CLAY	SOFT	BROWN	FAST		SMOOTH
280	287	FINE-MED-COARSE SAND W/ FINE GRAVEL	FIRM		FAST		FAST CHATTER
287	296	FINE-MED-COARSE GRAVEL W/ LIME ROCK	STIFF	WHITE	SEMI SLOW		CHATTER
296	381	FINE-MED-COARSE SAND W/ FINE GRAVEL	STIFF		FAST		FAST CHATTER
381	390	WHITE SANDY CLAY W/ LIME ROCK	FIRM	WHITE	FAST		СНОРРУ
390	400	BROWN STICKY CLAY (PDC)	STICKY	BROWN GRAY,	FAST	tal	SMOOTH
400	415	WEATHERED CLAY W/ BROWN ROCK TRACE	FIRM	YELLOW & BROWN	SEMI SLOW		SMOOTH
415	423	GRAY SOAPSTONE W/ SANDSTONE	FIRM	GRAY	FAST		СНОРРУ
423	436	BROWN ROCK W/ SANDSTONE / FINE SAND / GRAY SOAPSTONE & YELLOW SOAPSTONE	STIFF	BROWN, GRAY & YELLOW	FAST		FAST CHATTER
436	454	VERY FINE SAND W/ BROWN ROCK & SANDSTONE	VERY STIFF	YELLOW &	FAST		VIBRATION
454	473	BROWN ROCK W/ SANDSTONE & FINE SAND	STIFF	BROWN & YELLOW	FAST		FAST CHATTER
473	491	BLUE SANDSTONE W/ FINE SAND & SOAPSTONE	FIRM	BLUE	FAST		FAST CHATTER
491	499	SOAPSTONE W/ SANDSTONE	FIRM	BLUE	FAST		VIBRATION
499	576	SHALE	SOFT	BLUE	SLOW		SMOOTH
576	616	FINE SAND W/ SANDSTONE & SOAPSTONE	FIRM	GRAY	FAST		FAST CHATTER
616	643	SHALE	SOFT	BLUE	SLOW		SMOOTH
643	694	FINE SAND W/ SANDSTONE	STIFF	WHITE	FAST		FAST CHATTER
694	745	FINE SAND W/ SANDSTONE & IRON PYRITE	STIFF	TAN	FAST		FAST CHATTER
745	762	RED BED	STIFF	RED	SLOW		СНОРРУ
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		QG - 17					

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DOWNEY

Driling Inc.

LEXINGTON, NE

ALLIANCS, NE

GARDEN CITY, KS

GBT-11 Maler loads-b/2 SA-1 Bran-1 Ez mud-12 Hole plug-2

CUSTOMER NAME STRACUSE DOING TH#2

LEGAL: NE 2-275-36W

COUNTY: Frant Co, KS

GPS: 37.730455

-101.217613



N	FROM	ТО	TYPE RECEIVE PRILER:	HARDNESS	COLOR	SPEED	PULL DOWN	OTHER / DRILLING
1	0	3	Surface sand APR 27 2023	75 7 10 mm, 200 07 000 000	Tight	OFFED	FULL DOWN	ACTION
1	2,	15	1111	Soft,	DOX	tast		Smooth
1	15	44	Garden City Field Office Garden City Field Office Division of Water Resource	1	bearin	16		II.
+	94			97	FU	4.E		T T T T T T T T T T T T T T T T T T T
T		101	F sand of sand, clay hace		browns			vibration
+	61	75	Sandy de jul calieba	firm	Lhile	-		choppy
+	75	177	TML avaval	Still		11		Chatler -
+	101	Lor Lor	Big Karks	hard		Claw		1.4
1	122	128	FM quarel	stiff		fast		the state of
1	128	130	brennelag	SOFF	bucken	4		smooth
T	130	134	EMIC Sand LIF Gravel & MARCHER	stiff		₹ €		Cash cheft
-	134	136	Counciled sand	hand	white	Slow		chatter
-	136	174	FINE SOULL LIF GROVE LOBBE - MINUS	stiff		fost.		fast chatle
-	174	196	Uve clay	STICKY	blue	36		Chicol
	96	274	FIRST SOUND I GUAVES	finn	210 2	4:		fost chat
1	274	280	brown clay	SOFF	1	89		
-	280	287	Frie sound alf gravel	firm	Dienka	3.8		Sniroth
	787	296	FML gravel willing rock	Z1:11	11	Servi		tal riete
	296	381	FIR stand IF shavel	24.68.1	while			Chatler
1	781	396	white condictor it line age	ſ	1.10	Fast		trust clat
1		400	beens stick das (PDC)	4-1860	in hite	19		Chappy
T		415		Sticky	GUAT &	Semi	10 (4	SINGH
T		423		Hiswa	Helphon &	1	T-W	41
1	423		gray soonstare al sandstar	160	Oray	test		Choppy
	16/3	1000	Brenn soon w/ Sandsten / sand/	21111	Stenn Giorga Vellen		-	tost Chatt
1	436	ACA	gray scapstone & yellow scapstone	NEVY	78 Hows	0 :		
		473	brown rock I sandstone & F sandstone	SHIF	DIONN	11 (4)		vibration
T	473			Stiff	brenns	83		Hart chaff
	991		blue sandston UF sand & socpston	film	blue	13		17
1		-	Soapstone a sandstone		. N			vibation
1		576	Chale '	Sof +	11	slaw		Smooth
1			I sand a sandstone & soapstone	firm	goe	fast	-	Fast chatte
		643	Shale	Soft	Blue	Slaw		Smooth
T	043		F sand L Sandslong	SHIFE	white	Fast		fact chall
Г		45	F sand - (sandston & Tron printe	13	tan	100		AL CANAL
1	745	762	Red bed	11	Ve d	slew		chappy





SYRACUSE DAIRY

COMPANY

: DOWNEY DRILLING INC

WELL

: SYRACUSE DAIR TH#2

LOCATION/FIELD

COUNTY

: GRANT

LOCATION

: NE

SECTION

: 2

TOWNSHIP

: 275

OTHER SERVICES:

RANGE: 36W

DATE

: 04/18/23

PERMANENT DATUM : GL

KB

DEPTH DRILLER LOG BOTTOM

: 762

: 752.50

LOG MEASURED FROM: GL

DF GL

LOG TOP

BIT SIZE

1.00

DRL MEASURED FROM: GL

: 1903

CASING TYPE

CASING THICKNESS:

CASING DIAMETER: 10.

FIELD OFFICE

: DDI

RECORDED BY

LOGGING UNIT

: DIEGO

BOREHOLE FLUID

: MUD

FILE

MAGNETIC DECL. : 0

: 6.25 "

: ORIGINAL

: 2.71

RM TEMPERATURE

TYPE : 8144A

MATRIX DENSITY

LGDATE: 04/18/23

NEUTRON MATRIX: LIMESTON

MATRIX DELTA T

: 49

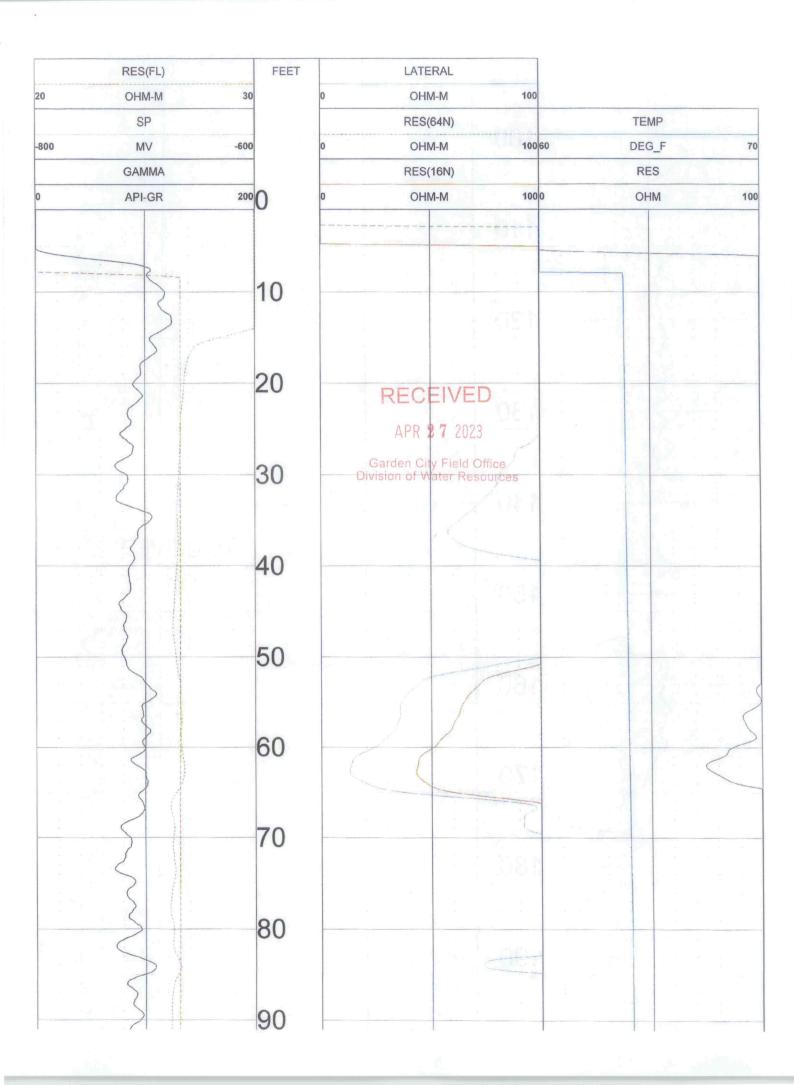
LGTIME: 19:08:

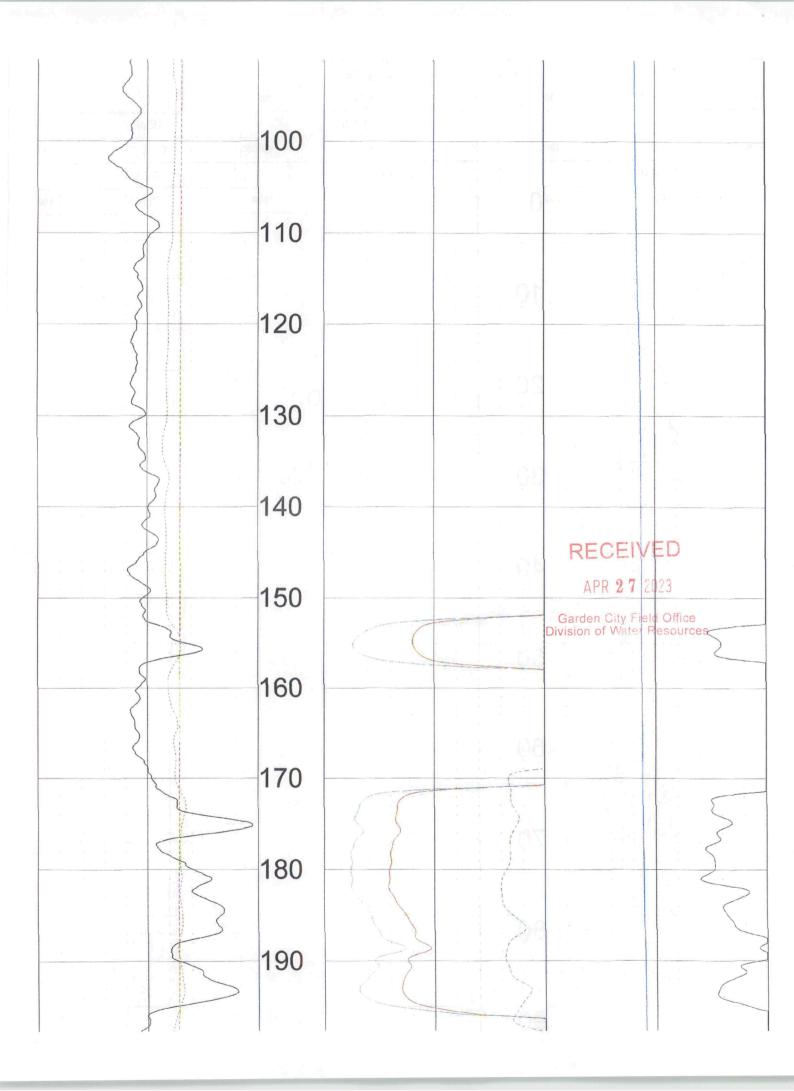
THRESH: 99999

N 37.73045 W-101.21761

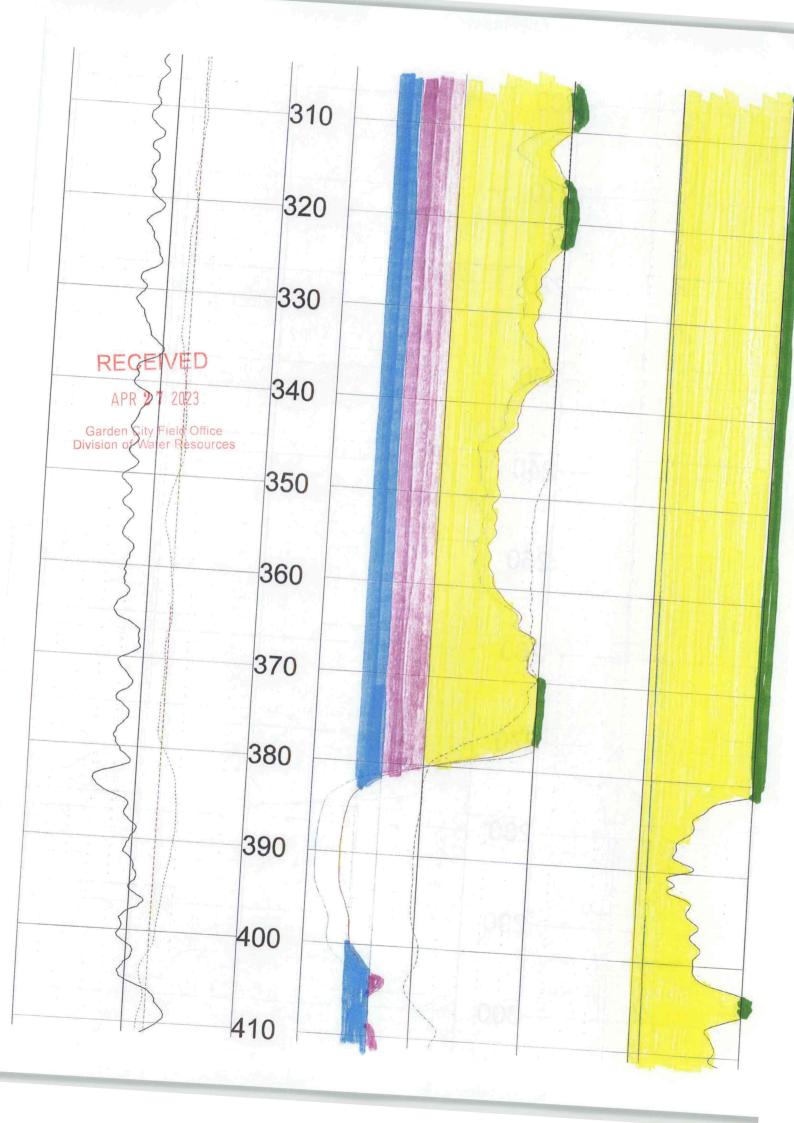
ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

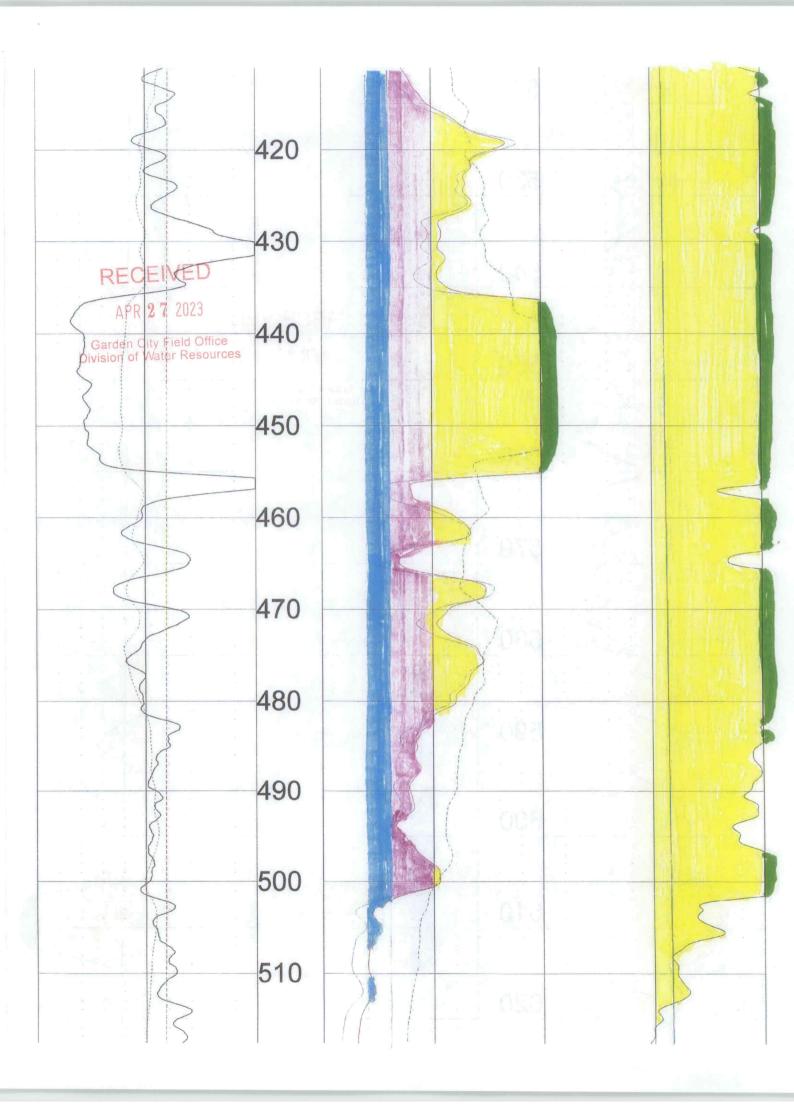
APR 27 2023

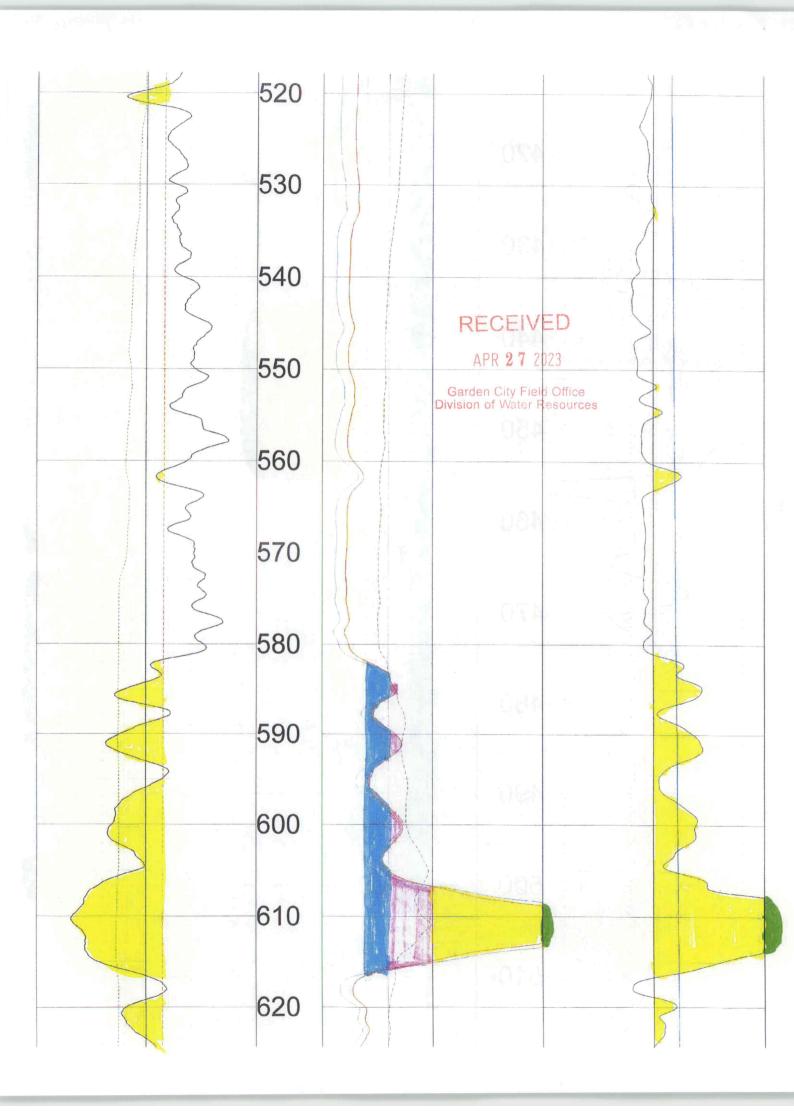


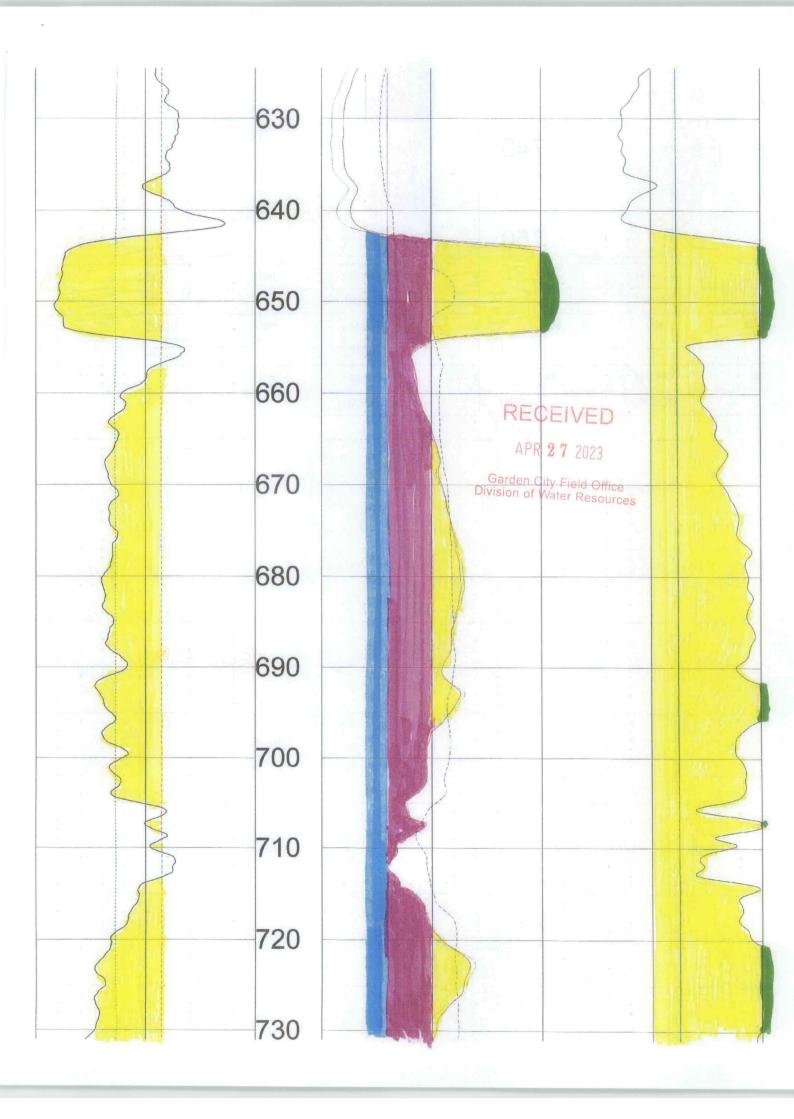


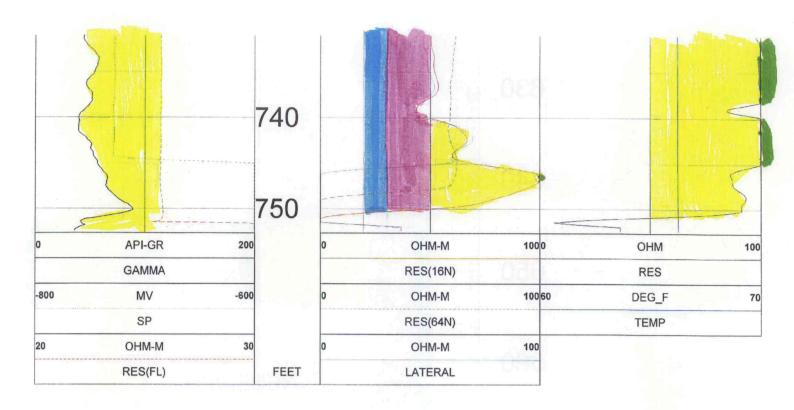
200		
210		
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230	APR-27 2023	
	Garden City Field Office Division of Water Resources	
240		
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RECEIVED

APR 27 2023

TOOL CALIBRATION SYRACUSE DAIRY 04/18/23 19:08 TOOL 8144A TM VERSION 1 SERIAL NUMBER 365

199	SERIAL NUI	VIDER 300					
	DATE	TIME	SENSOR	STA	ANDARD	RE	SPONSE
1	Feb08,18	07:51:35	GAMMA	1.000	[API-GR]	4.000	[CPS]
	Feb08,18	07:51:35	GAMMA	340.000	[API-GR]	290.000	[CPS]
2	Jul12,17	13:24:17	RES(FL)	1.330	[OHM-M]	7595.000	[CPS]
	Jul12,17	13:24:17	RES(FL)	42.700	јонм-м ј	64820.000	[CPS]
3	Jan14,22	08:32:51	SP	0.000	IMV 1	327768.000	[CPS]
	Jan14,22	08:32:51	SP	381.500	[MV]	164650.000	CPS
4	Jan14,22	08:33:01	RES(16N)	0.000	[ОНМ-М]	3453.000	[CPS]
	Jan14,22	08:33:01	RES(16N)	1951.500	[ОНМ-М]	448089.000	CPS
5	Jan14,22	08:33:10	RES(64N)	0.000	[ОНМ-М]	3163.000	CPS
196	Jan14,22	08:33:10	RES(64N)	1994.000	[OHM-M]	449170.000	[CPS]
6	Jul12,17	13:17:49	TEMP	33.400	[DEG F]	66910,000	[CPS]
	Jul12,17	13:17:49	TEMP	102.200	[DEG F]	270930.000	CPSI
7	Jan14,22	08:33:36	RES	0.000	[OHM]	21285.000	[CPS]
1	Jan14,22	08:33:36	RES	944.000	[ОНМ]	190148.000	[CPS]

RECEIVED

APR 27 2023





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

May 22, 2023

Michael A. Meyer Division of Water Resources 4532 W Jones Ave., Suite B Garden City, Kansas 67846

RE:

Applications for Change in Points of Diversion

Water Right, File No. 21769

Dear Mike:

We have completed a review of the applications 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 minimum spacing to neighboring wells and distance moved.

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 management program. Under K.S.A. 82a-708b, an applicant requesting a change in point of diversion must demonstrate to the chief engineer that any proposed change is reasonable and will not impair. The enclosed report is an analysis performed by the GMD on behalf of our membership. Under this analysis, the proposed change is considered to be reasonable and unlikely to impair if either the net in-season well-to-well effect of the proposed change is less than a strict maximum allowable threshold (2.5 ft with saturated thickness is between 100-125ft), 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 none of the neighboring wells exceeded the net effect above the maximum allowable threshold and needed no further evaluation. No critical wells were determined in the area. We did not receive any comments from neighboring well owners. Therefore, GMD3 sees this move as meeting current area rules and would recommend approval. If aquifer conditions change or there is a change to the water right in the future, we would be happy to evaluate the effects at that time.

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

Sincerely,

Jason L. Norquest Assistant Manager RECEIVED

MAY 2 2 2023

GMD3 Change Review

File No(s).: 21769.

DWR office: GC.

App filed to change: _PD.

Is Landowner(s) correct in WRIS: Syracuse Dairy LLC % Tate Farms.

If NO, is documentation included?

Is Water Use Correspondent correct in WRIS? __.

If NO, is documentation included?

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

Point of diversion ID No(s) 02 being changed.

	ft. North	ft. West	
Authorized PD	4025	1320	Sect 2-27-36
Proposed PD	3238	217	
Difference	787 s	1103 e	
a2 + b2 = c2	619369	1216609	1354.983 foot move SE

GPS for proposed PD: Lat: <u>37.730455</u> Long: <u>-101.217613</u>.

Is proposed PD stacking on existing WRs? No.

Is Proposed PU overlapping existing WRs? No Change.

Neighboring certified well(s) notified: __.

Name J&L Smith Farms Inc %Bryan Smith (9094 02, 24121, 29615)

Address 9170 E Road 2.

Zip Ulysses, KS 67880.

Email: vortex@pld.com Phone: 620-356-1070.

Name Larry K Smith (18821, 20103, domestic).

Address 8569 E Road 2.

Zip Ulysses, KS 67880.

Email: vortex@pld.com Phone:

Name Kevin L Shapland (21165, 24906).

Address 10436 N Road L.

Zip Ulysses, KS 67880.

Email: <u>yrlnmkr@hotmail.com</u> Phone: <u>620-353-3399</u>.

Name Corley Farms LC (25941).

Address PO Box 1834.

Zip Garden City, KS 67846.

Email: cowens@farmersnational.com Phone: 620-521-1450.

Domestic well(s) notified: __.

Name _____Address

GMD3 Change Review

Zip
Base Acres:
Perfected Acres:
Irr. Return-Flow %
Grant county
ID 01 254AF @ 900gpm
ID 02 254AF @ 900gpm, Not pumping during most recent field inspection
Avg reported use (2013-2022): 189.85aF/year
No log on current well in WWC5
Proposed depth: 762'

Is a waiver needed: <u>Move is less than half mile</u>. <u>Minimum spacing to neighboring wells appears to be met</u>. <u>Analysis shows possible effects within guidelines, no critical wells determined</u>.

Recommendation: <u>After review of all available information</u>, it appears current area rules are met. Staff recommends approval of the application.

12

Water Rights and Points of Diversion Within 1 mile of point defined as: 3238 Feet N and 217 Feet W of the Southeast Corner of Section 2 Twp 278 Rng 36W Located at: 101.217615 West Longitude and 37.730454 North Latitude Both SURFACE WATER and GROUNDWATER

File	Number		Use	ST	SR	Dist	(ft)	Q4	Q3	Q2	Q1	FeetN	FeetW	Sec	Twp	Rng	ID	Batt Auth_Quan	Add_Quan
A_AF	9094	02	IRR	NK	G		3620		NW	NW	SE	2095	2035	1	27	36W	[6]	35.57	35.57
A_AF	18821	00	IRR	NK	G							5147					1	1 784	100.00
A_AF	20103	00	IRR	NK	G		4446		NW	NW	NE	5147	2543	12	27	36W	(5)	284.00	284.00
A_AF	20947	00	IRR	NK	G		2440			NC	SW			1	27	36W	1	272.00	272.00
A_AF	20948	00	IRR	NK	G		1721			NC	NW			1	27	36W	2	140 272.00	272.00
A_AF	21165	00	IRR	NK	G		3180		SW	SW	SE	140	2460	35	26	36W	1	7300 504.00	504.00
AAF	21769	00	IRR	NK	G*	47	1349				ij÷.	4025	1320	2	27	36W	2	254.00	254.00
Same							3808			 en:		4025	3960	2	27	36W	1	254.00	254.00
A_AF	24121	00	IRR	NK	G		3924	NC	E2	W2	NE	3960	1635	1	27	36W	5	272.00	272.00
AAF	24906	00	IRR	NK	G		5251		NE	NE	SW	2440	2840	35	26	36W	2	520.00	520.00
AAF	25941	00	IRR	NK	G		3091			CW	SE	1320	2635	2	27	36W	3	544.00	544.00
A_AF	29615	00	IRR	NK	G		3620		NW	NW	SE	2095	2035	1	27	36W	16)	320.00	30.00

Total Net Quant	ities Au	thor	ized:	Direct	Storage	_
Total Requested	Amount	(AF)	=	.00	.00	Minima /pains
Total Permitted	Amount	(AF)	=	.00	.00	
Total Inspected	Amount	(AF)	=	.00	.00	1 225-
Total Pro Cert	Amount	(AF)	=	.00	.00	Agres MET 1
Total Certified	Amount	(AF)	=	3341.57	.00	10
Total Vested	Amount	(AF)	-	.00	.00	, i
TOTAL AMOUNT		(AF)	=	3341.57	.00	

An \star after the source of supply indicates a pending application for change under the file number. An \star after the ID indicates a 15 AF exemption was granted under the file number.

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

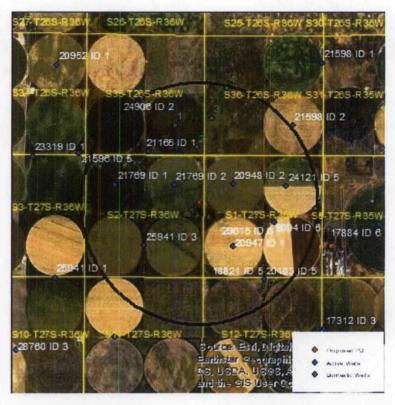
The number in the Batt column is the number of wells in the battery.

Water Rights and Points of Diversion Within 1 mile of point defined as:
3238 Feet North and 217 Feet West of the Southeast Corner of Section 2 Twp 27S Rng 36W
Located at: 101.217615 West Longitude and 37.730454 North Latitude
Both SURFACE WATER and GROUNDWATER
WATER USE CORRESPONDENTS:

LARRY K SMITH 20103 8569 E ROAD 2 ULYSSES KS 67880 -----SYRACUSE DAIRY LLC TATE FARMS 751 SE CR 36 SYRACUSE KS 67878 SYRACUSE DAIRY LLC TATE FARMS 20948 751 SE CR 36 SYRACUSE KS 67878 > KEVIN L SHAPLAND 21165 10436 N ROAD L ULYSSES KS 67880 SYRACUSE DAIRY LLC Application TATE FARMS 21769 751 SE CR 36 SYRACUSE KS 67878 J & L SMITH FARMS INC > BRYAN SMITH 24121 > 9170 E ROAD 2 > ULYSSES KS 67880 >> KEVIN L SHAPLAND 24906 10436 N ROAD L ULYSSES KS 67880 CORLEY FARMS LC PO BOX 1834 GARDEN CITY KS 67846 J & L SMITH FARMS INC BRYAN SMITH 29615 9170 E ROAD 2 ULYSSES KS 67880

Evaluation of proposed move for Water Right No. 21769 ID2

Proposed: Move water right no. 21769 ID2 to a new well location, a distance of 1,369 ft to the southeast.



Wells within 1 mile: 21769 ID1, 24906, 21165, 25941, 20948, 24121, 20947, 9094 & 29615, 18821 & 20103, and five domestic wells, numbered on the above map.

The saturated thickness at the proposed well location is estimated to be 101 ft, based upon the GMD3 model. For saturated thickness between 100 ft and 125 ft, the drawdown allowance is 2.5 ft.

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

S = 0.2269, T = 16,391 ft²/day, $tp_{current} = 120$ days (assumed), $Q_{current} = 358$ gpm (based on average use and assumed pumping days), $tp_{proposed} = 64$ days, $Q_{proposed} = 900$ gpm

Theis drawdowns were calculated as follows:

21769 ID1: Drawdown from current location = 0.88 ft

Drawdown from proposed location = 0.97 ft

Net drawdown = 0.1 ft

24906: Drawdown from current location = 0.67 ft

Drawdown from proposed location = 0.77 ft

Net drawdown = 0.1 ft

21165:

Drawdown from current location = 1.08 ft

Drawdown from proposed location = 1.11 ft

Net drawdown = 0.0 ft

25941:

Drawdown from current location = 0.81 ft

Drawdown from proposed location = 1.14 ft

Net drawdown = 0.3 ft

20948:

Drawdown from current location = 0.87 ft

Drawdown from proposed location = 1.80 ft

Net drawdown = 1.0 ft

24121:

Drawdown from current location = 0.58 ft

Drawdown from proposed location = 0.94 ft

Net drawdown = 0.4 ft

20947:

Drawdown from current location = 0.69 ft

Drawdown from proposed location = 1.39 ft

Net drawdown = 0.7 ft

9094 & 29615:

Drawdown from current location = 0.60 ft

Drawdown from proposed location = 1.04 ft

Net drawdown = 0.4 ft

18821 & 20103:

Drawdown from current location = 0.53 ft

Drawdown from proposed location = 0.86 ft

Net drawdown = 0.3 ft

Domestic 1:

Drawdown from current location = 0.88 ft

Drawdown from proposed location = 1.02 ft

Net drawdown = 0.1 ft

Domestic 2:

Drawdown from current location = 1.05 ft

Drawdown from proposed location = 1.40 ft

Net drawdown = 0.4 ft

Domestic 3:

Drawdown from current location = 0.75 ft

Drawdown from proposed location = 0.98 ft

Net drawdown = 0.2 ft

Domestic 4:

Drawdown from current location = 0.59 ft

Drawdown from proposed location = 0.78 ft

Net drawdown = 0.2 ft

Domestic 5:

Drawdown from current location = 0.50 ft

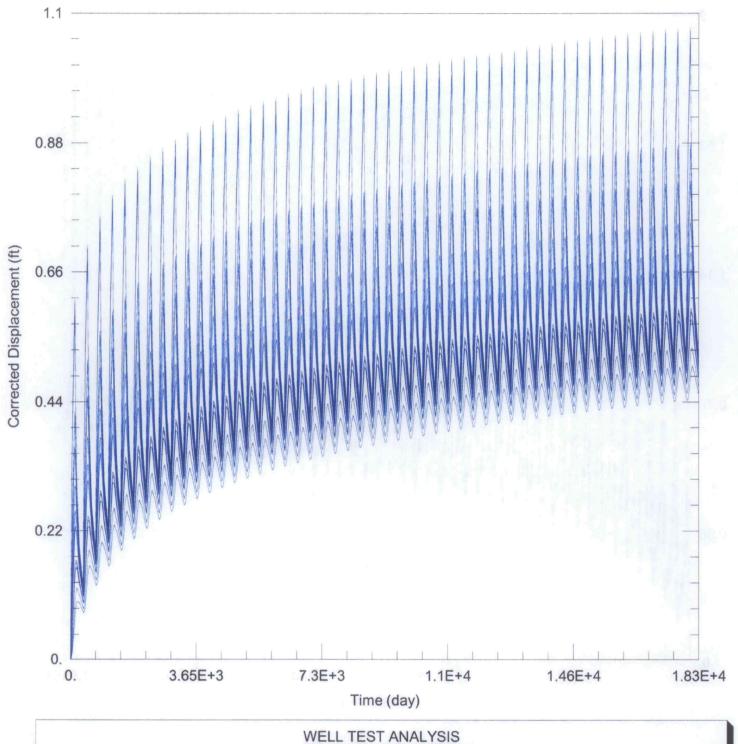
Drawdown from proposed location = 0.78 ft

Net drawdown = 0.3 ft

Net drawdown does not exceed the drawdown allowance of 2.5 ft for any well within 1 mile of the proposed location. Therefore, critical well analysis is not necessary.

Conclusion:

The proposed move is likely to create minimal effects on neighboring wells and appears unlikely to cause impairment. Any concerned neighbors should contact GMD3 at (620) 275-7147 or the Division of Water Resources at (620) 276-2901.



Data Set: <u>C:\Users\trevora\Documents\2023_moves\21769\21769 Current.aqt</u>
Date: <u>05/15/23</u> Time: <u>16:35:44</u>

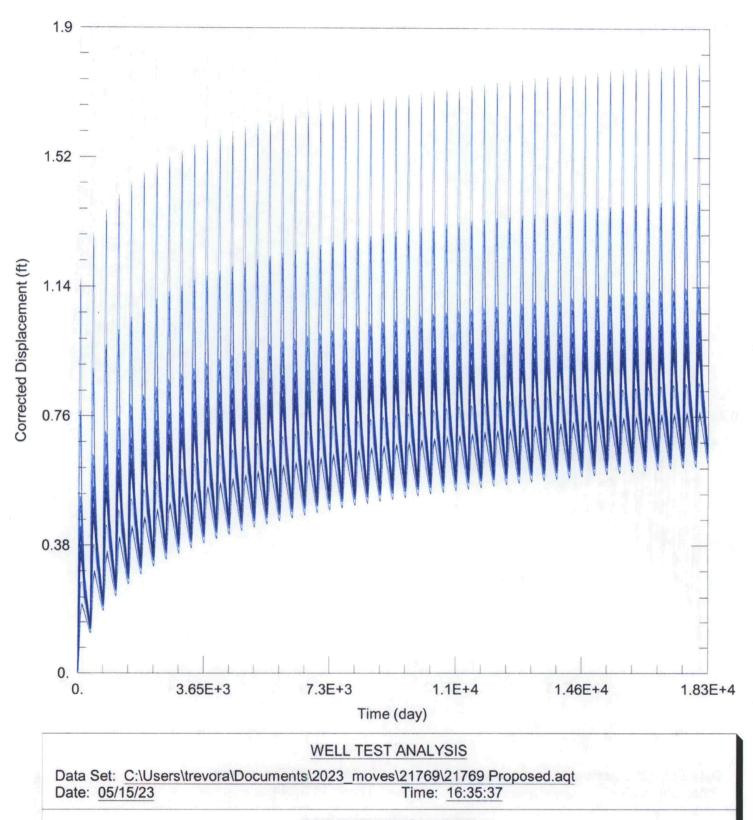
PROJECT INFORMATION

Company: GMD 3 Project: 21769

Location: Grant County

WELL DATA

	Pumping Wells		Observation Wells				
Well Name	X (ft)	Y (ft)	Well Name	X (ft)	Y (ft)		
21769 ID2	-122059	312539	D MANAGEMENT	-122059	312539		
			0.1-00.15.1				



PROJECT INFORMATION

Company: GMD 3 Project: 21769

Location: Grant County

WELL DATA

110-10	Pumping Wells		Observation Wells				
Well Name	X (ft)	Y (ft)	Well Name	X (ft)	Y (ft)		
21769 ID2	-120939	311753	0	-120939	311753		
			01700101	101001	~		

Garden City Field Office 4532 W. Jones, Suite B Garden City, KS 67846



Phone: 620-276-2901 Fax: 620-276-9315

www.agriculture.ks.gov

Mike Beam, Secretary

Laura Kelly, Governor

May 8, 2023

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

Re:

Request for Recommendation

Water Right, File No. 21769

Dear Mr. Norquest:

This is to advise you Syracuse Dairy 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.

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