



File No. **21769**      11. County: GT      Basin: **ARKANSAS RIVER**      Stream:      Formation Code: **211/331**      Special Use:

12. Points of Diversion											Rate and Quantity					
CHK	MOD	DEL	PDIV	Qualifier	S	T	R	ID	'N	'W	Comment (AKA Line)	Rate gpm	Quantity af	Rate gpm	Quantity af	Overlap PD Files

**DEL 33151**

ENT			SE SE NE		2	27	36W		3238	217		900	254	900	254	none
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**CHK 53319**

13. Storage: Rate \_\_\_\_\_ NF      Quantity \_\_\_\_\_ ac/ft      Additional Rate \_\_\_\_\_ NF      Additional Quantity \_\_\_\_\_ ac/ft

14. Limitation: \_\_\_\_\_ af/yr at \_\_\_\_\_ gpm ( \_\_\_\_\_ cfs) when combined with file number(s) \_\_\_\_\_  
 Limitation: \_\_\_\_\_ af/yr at \_\_\_\_\_ gpm ( \_\_\_\_\_ cfs) when combined with file number(s) \_\_\_\_\_

15. 5YR Allocation:      Allocation Type \_\_\_\_\_      Start Year \_\_\_\_\_      5 YR Amount \_\_\_\_\_      Amount Unit \_\_\_\_\_      Base Acres \_\_\_\_\_      Comment \_\_\_\_\_

16. Place of Use											NE¼								NW¼				SW¼				SE¼				Total	Owner	Chg?	Overlap Files
CHK	MOD	DEL	ENT	PUSE	S	T	R	ID	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼						
<b>CHK 38805</b>																																		

Base Acres:      Year:      Minimum Reasonable Quantity:      Comments: KEEP COMMENT FOR PDIV ID 53319

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](http://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 22<sup>nd</sup> 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 22<sup>nd</sup> 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.

RECEIVED  
 1:00 PM  
 MAY 05 2023

File No. 21769

1. Application is hereby made for approval of the Chief Engineer to change the (check one or both):

Place of Use                       Point of Diversion

under the water right which is the subject of this application in accordance with the conditions described below.

The source of supply is:                       Groundwater                       Surface water

Garden City Field Office  
 Division of Water Resources

2. Name and address of Applicant: SYRACUSE DAIRY LLC, Attn: TATE FARMS

751 SE CR 36, SYRACUSE, KS 67878-7822

Phone Number: (785) 820-6093                      Email address: frank@syracusedairy.com

Name and address of Water Use Correspondent: Same

Phone Number: (    )                      Email address: \_\_\_\_\_

3. 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.)

Sec.	Twp.	Range	NE¼				NW¼				SW¼				SE¼				TOTAL ACRES	
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼		

4. If this application is for a change in place of use, it is proposed that the place of use be changed to: NO CHANGE PROPOSED

Owner of Land ---- NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

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

Sec.	Twp.	Range	NE¼				NW¼				SW¼				SE¼				TOTAL ACRES	
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼		

For Office Use Only: Code \_\_\_\_\_ Fee \$ 200.00 TR # \_\_\_\_\_ Receipt Date 5-5-23 Check # 90950

5. **Presently authorized point of diversion:**  
 One in the \_\_\_\_\_ Quarter of the \_\_\_\_\_ Quarter of the \_\_\_\_\_ Quarter  
 of Section 2, Township 27 South, Range 36 W,  
 in GT County, Kansas, 4025 feet North 1320 feet West of Southeast corner of section.  
 Authorized Rate No change Authorized Quantity No change Depth of well unk (feet)  
 (DWR use only: Computer ID No. 2 GPS \_\_\_\_\_ feet North \_\_\_\_\_ feet West)  
 This point will not be changed  This point will be changed as follows:  No change, point better described with GPS as follows:  
**Proposed point of diversion: (Complete only if change is requested or if existing point is better described by GPS)**  
 One in the SE Quarter of the SE Quarter of the SE NE Quarter  
 of Section 2, Township 27 South, Range 36 W,  
 in GT County, Kansas, 3238 feet North 217 feet West of Southeast corner of section.  
 Proposed Rate No change Proposed Quantity No change Proposed well depth (feet) 762  
 This point is:  Additional Well  Geo Center List other water rights that will use this point N/A

6. **Presently authorized point of diversion:**  
 One in the \_\_\_\_\_ Quarter of the \_\_\_\_\_ Quarter of the \_\_\_\_\_ Quarter  
 of Section 2, Township 27 South, Range 36 W,  
 in GT County, Kansas, 5024 feet North 3960 feet West of Southeast corner of section.  
 Authorized Rate No change Authorized Quantity No change Depth of well unk (feet)  
 (DWR use only: Computer ID No. 1 GPS \_\_\_\_\_ feet North \_\_\_\_\_ feet West)  
 This point will not be changed  This point will be changed as follows:  No change, point better described with GPS as follows:  
**Proposed point of diversion: (Complete only if change is requested or if existing point is better described by GPS)**  
 One in the \_\_\_\_\_ Quarter of the \_\_\_\_\_ Quarter of the \_\_\_\_\_ Quarter  
 of Section \_\_\_\_\_, Township \_\_\_\_\_ South, Range \_\_\_\_\_ (E/W),  
 in \_\_\_\_\_ County, Kansas, \_\_\_\_\_ feet North \_\_\_\_\_ feet West of Southeast corner of section.  
 Proposed Rate \_\_\_\_\_ Proposed Quantity \_\_\_\_\_ Proposed well depth (feet) \_\_\_\_\_  
 This point is:  Additional Well  Geo Center List other water rights that will use this point \_\_\_\_\_

7. The changes herein are desired for the following reasons?  
 (please be specific) Well is damaged and yield is restricted by damage.

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

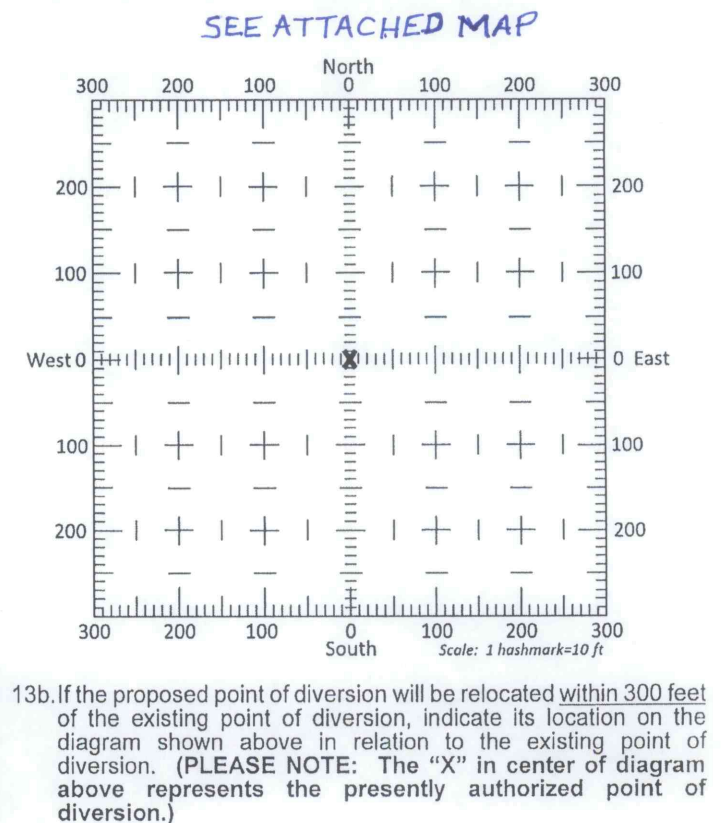
9. The change(s) (was)(will be) completed by?  
July 1, 2023

10. If the point of diversion is a well:  
 (a) What are you going to do with the old well?  
Cap or plug.  
 (b) When will this be done? Upon completion.

11. Groundwater Management District recommendation attached?  
 Yes  No

12. Assisted by mdf/GCFO

13a. If the proposed point of diversion will be relocated more than 300 feet but within 2,640 feet of the existing point of diversion, attach a topographic map or aerial photograph. For groundwater sources, show all wells (including domestic) within one-half mile of the proposed point of diversion and the names and mailing addresses of the owners. For surface water sources, show the names and addresses of the landowner(s) one-half mile downstream and one-half mile upstream from your property lines



14. If the proposed groundwater point of diversion is 300 or fewer feet from the existing point of diversion, complete the following:
- (a) Does the undersigned represent all owners of the currently authorized place(s) of use identified in this application?  
 Yes     No    (If no, all owners must sign this application.)
  - (b) Will the ownership interest of any owner of the currently authorized place(s) of use identified in this application be adversely affected if this application is approved as requested?  
 Yes     No    (If yes, all owners must sign this application.)
  - (c) If this application is not approved expeditiously, will there be substantial damage to property, public health or safety?  
 Yes     No    (If no, all owners must sign this application.)

If the application proposes a surface water change in point of diversion, a groundwater change in point of diversion greater than 300 feet, or a change in place of use, the application must be signed by all owners of the currently authorized place of use, or their duly authorized agent (attach notarized statement authorizing representation).

I hereby verify, being first duly sworn upon my oath or affirmation and under penalty of perjury, that I am of lawful age and the owner, the spouse of the owner, or a duly authorized agent of the owner(s) to make this application on their behalf, in regards to the water right(s) to which this application pertains. I further verify that the statements contained in this application are true, correct and complete.

Dated at Syracuse, Kansas, this 3rd day of May, 20 23.

(Owner)	(Spouse)
<u>Ross Geubelle, Member, Syracuse Dairy, LLC</u> (Please Print)	(Please Print)
(Owner)	(Spouse)
(Please Print)	(Please Print)
(Owner)	(Spouse)
(Please Print)	(Please Print)

State of Kansas }  
 County of Hamilton } SS

I hereby certify that the foregoing application was signed in my presence and sworn to before me this 3rd day of May, 20 23



Notary Public

My Commission Expires 4-7-26

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

**FEE SCHEDULE**

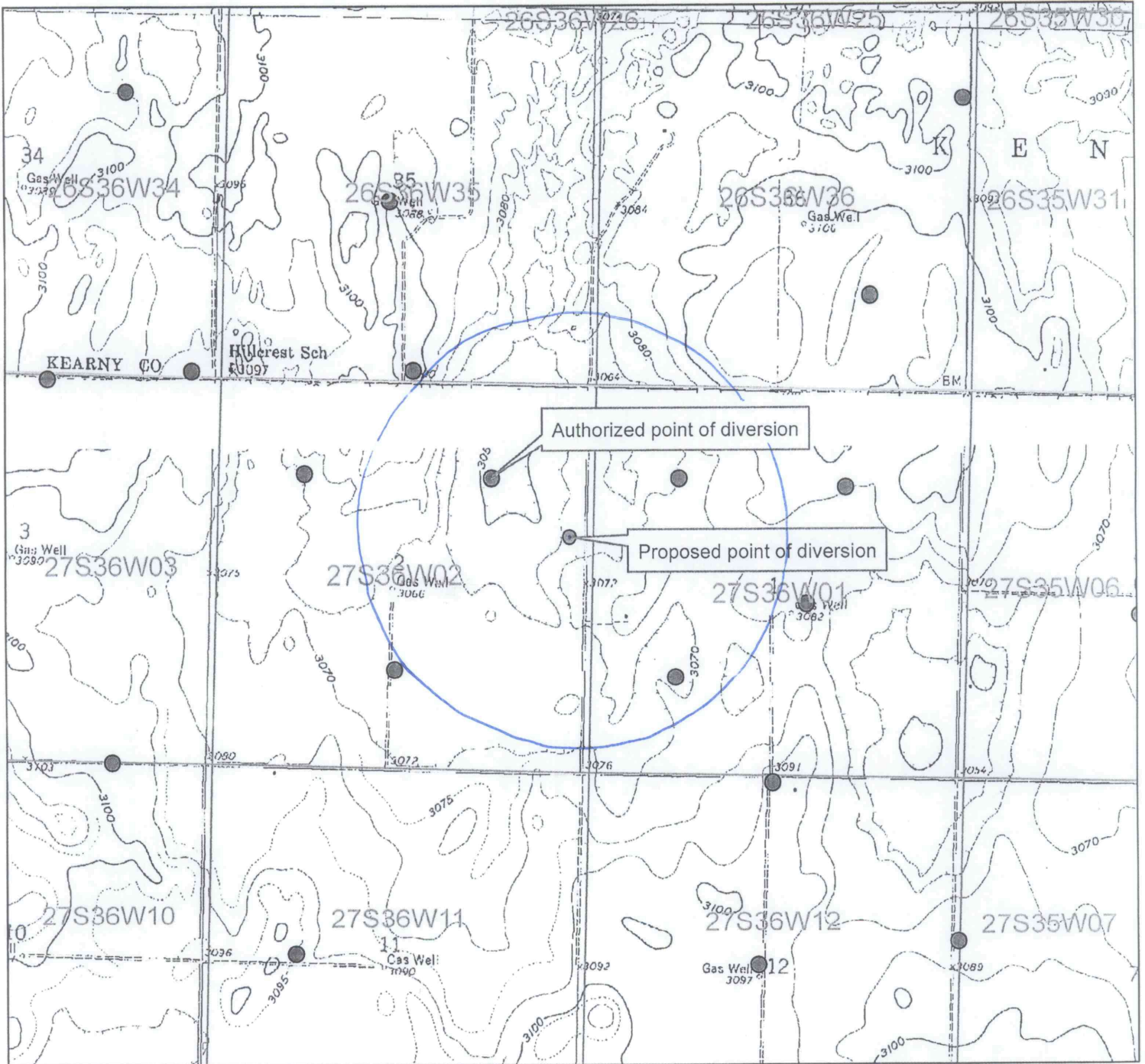
Each application to change the place of use or the point of diversion under this section shall be accompanied by the application fee set forth in the schedule below: Make checks payable to: **Kansas Department of Agriculture**

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



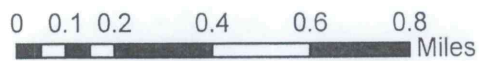
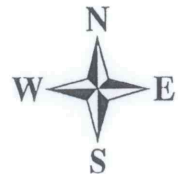


# Change in point of diversion for water right 21769



● Authorized point of diversion

● Proposed point of diversion



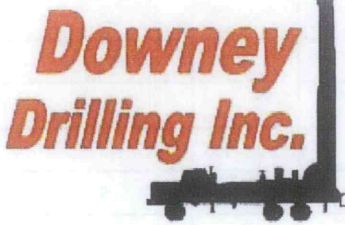
All wells within 1/2 mile are on this map.

X

*R9*

05/03/23

mdf/GCFO



CUSTOMER NAME: SYRACUSE DAIRY  
 Division of Water Resources  
 Garden City Field Office

TH#2

LEGAL: NE 2-27S-36W

APR 27 2023

COUNTY: GRANT CO., KS

GPS: 37.730455

RECEIVED

-101.217613

DRILLER: DIEGO

WO: 22-740

V	FROM	TO	TYPE	HARDNESS	COLOR	SPEED	PULL DOWN	OTHER / DRILLING ACTION
0	3		SURFACE SAND	SOFT	LIGHT BROWN	FAST		SMOOTH
3	15		BROWN SILTY CLAY	SOFT	DARK BROWN	FAST		SMOOTH
15	44		FINE SAND	SOFT		FAST		SMOOTH
44	67		FINE SAND W/ SANDY CLAY TRACE	SOFT	BROWN	FAST		VIBRATION
67	75		SANDY CLAY W/ CALICHE	FIRM	BROWN & WHITE	FAST		CHOPPY
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		SMOOTH
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		CHOPPY
390	400		BROWN STICKY CLAY ( PDC )	STICKY	BROWN	FAST		SMOOTH
400	415		WEATHERED CLAY W/ BROWN ROCK TRACE	FIRM	GRAY, YELLOW & BROWN	SEMI SLOW		SMOOTH
415	423		GRAY SOAPSTONE W/ SANDSTONE	FIRM	GRAY	FAST		CHOPPY
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 & BROWN	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		CHOPPY
			QG - 17					

WATER LOADS - 6 1/2

SA - 1

BRAN - 1

EZ MUD - 1/2

HOLE PLUG - 2

CS - 1

PDC @ 400'

RECEIVED

APR 27 2023

Garden City Field Office  
Division of Water Resources

# Downey Drilling Inc.

LEXINGTON, NE  
ALLIANCE, NE  
GARDEN CITY, KS



## WELL LOG

GA-11  
water loads - b/2  
SA-1  
Bran-1  
EZ mud - 1/2  
Hole plug-2  
CS-1  
PDC @ 400'

DATE: 4/18/23

CUSTOMER NAME: Syracuse Dairy, TH#2  
LEGAL: NE 2-27S-36W  
COUNTY: Grant Co, KS  
GPS: 37.730455  
-101.217613



RECEIVED

DRILLER: Dieco

WO: 22-740

TW	FROM	TO	TYPE	HARDNESS	COLOR	SPEED	PULL DOWN	OTHER / DRILLING ACTION
	0	3	Surface sand	soft	light brown	fast		smooth
	3	15	brown silty clay	"	Dark brown	"		"
	15	44	F sand	"	"	"		"
	44	67	F sand w/ sandy clay trace	"	brown	"		vibration
	67	75	sandy clay w/ caliche	firm	brown & white	"		choppy chatter
	75	107	FML gravel	stiff	"	"		"
	107	122	Big Rocks	hard	"	slow		"
	122	128	FML gravel	stiff	"	fast		"
	128	130	brown clay	soft	brown	"		smooth
	130	134	FMC sand w/ F gravel	stiff	"	"		fast chatter
	134	136	crushed sand	hard	white	slow		chatter
	136	174	FMC sand w/ F gravel	stiff	"	fast		fast chatter
	174	196	live clay	sticky	blue	"		smooth
	196	274	FMC sand w/ F gravel	firm	"	"		fast chatter
	274	280	brown clay	soft	brown	"		smooth
	280	287	FMC sand w/ F gravel	firm	"	"		fast chatter
	287	296	FML gravel w/ lime rock	stiff	white	semi slow		chatter
	296	381	FMC sand w/ F gravel	"	"	fast		fast chatter
	381	390	white sandy clay w/ lime rock	firm	white	"		choppy
	390	400	brown sticky clay (PDC)	sticky	brown	"		smooth
	400	415	weathered clay w/ brown rock trace	firm	yellow & brown	semi slow		"
	415	423	gray soapstone w/ sandstone	"	gray	fast		choppy
X	423	436	brown rock w/ sandstone / F sand / gray soapstone & yellow soapstone	stiff	brown & yellow	"		fast chatter
X	436	454	very F sand w/ brown rock & sandstone	very stiff	yellow & brown	fast		vibration
X	454	473	brown rock w/ sandstone & F sand	stiff	brown & yellow	"		fast chatter
X	473	491	blue sandstone w/ F sand & soapstone	firm	blue	"		"
X	491	499	soapstone w/ sandstone	"	"	"		vibration
X	499	576	shale	soft	"	slow		smooth
X	576	616	F sand w/ sandstone & soapstone	firm	gray	fast		fast chatter
X	616	643	shale	soft	blue	slow		smooth
X	643	694	F sand w/ sandstone	stiff	white	fast		fast chatter
X	694	745	F sand w/ sandstone & iron pyrite	"	tan	"		"
X	745	767	Red bed	"	red	slow		choppy

Garden City Field Office  
Division of Water Resources



# Century GEOPHYSICAL CORP.

## SYRACUSE DAIRY

COMPANY : DOWNEY DRILLING INC  
WELL : SYRACUSE DAIR  
LOCATION/FIELD : TH#2  
COUNTY : GRANT  
LOCATION : NE  
SECTION : 2

OTHER SERVICES:



TOWNSHIP : 27S RANGE : 36W

DATE : 04/18/23  
DEPTH DRILLER : 762  
LOG BOTTOM : 752.50  
LOG TOP : 1.00

PERMANENT DATUM : GL

KB :  
DF :  
GL :

LOG MEASURED FROM: GL  
DRL MEASURED FROM: GL

CASING DIAMETER : 10.  
CASING TYPE :  
CASING THICKNESS:

LOGGING UNIT : 1903  
FIELD OFFICE : DDI  
RECORDED BY : DIEGO

BIT SIZE : 6.25 "  
MAGNETIC DECL. : 0  
MATRIX DENSITY : 2.71  
NEUTRON MATRIX : LIMESTON

BOREHOLE FLUID : MUD  
RM :  
RM TEMPERATURE :  
MATRIX DELTA T : 49

FILE : ORIGINAL  
TYPE : 8144A  
LGDATE: 04/18/23  
LGTIME : 19:08:  
THRESH: 99999

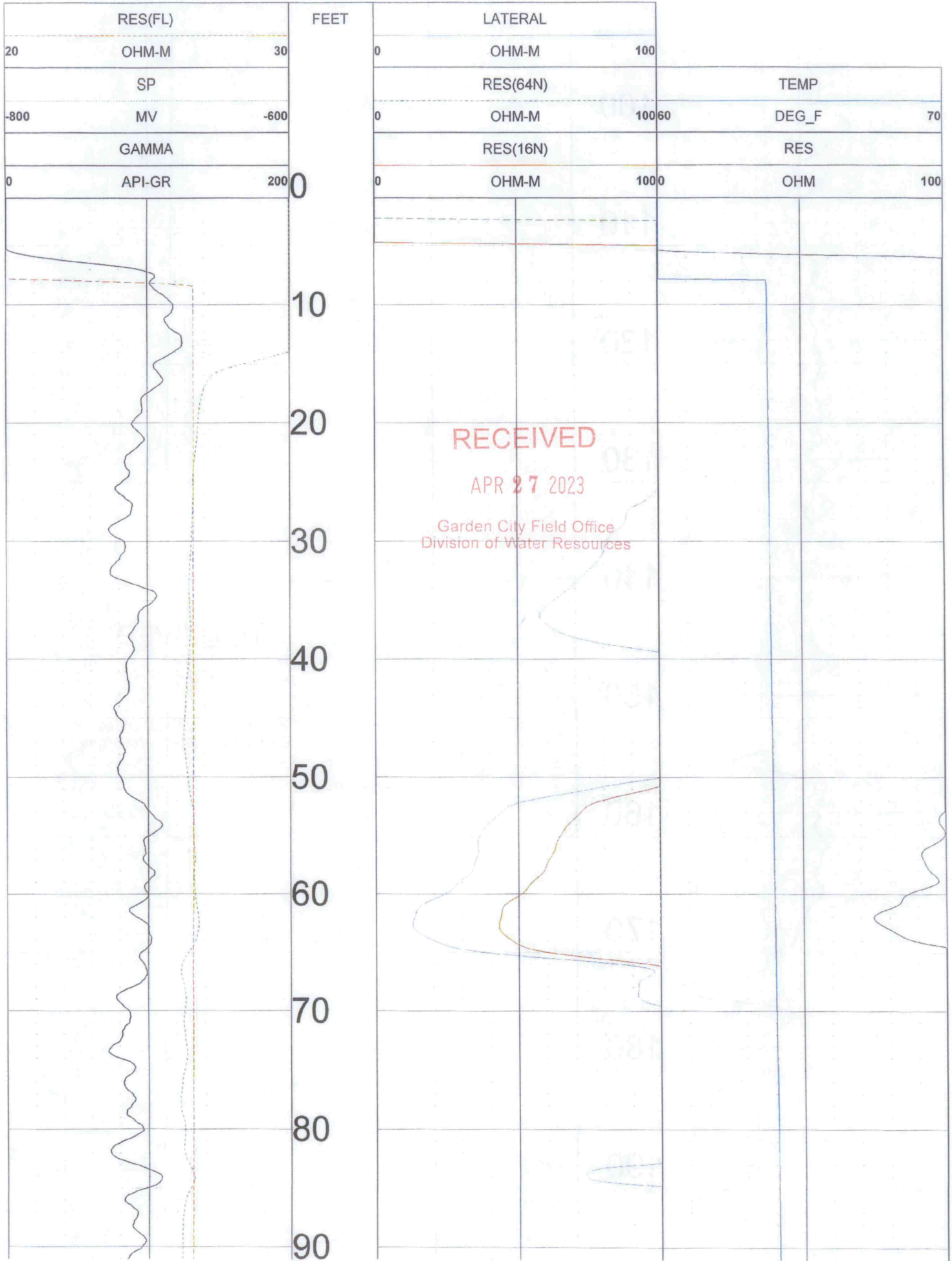
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W -101.21761

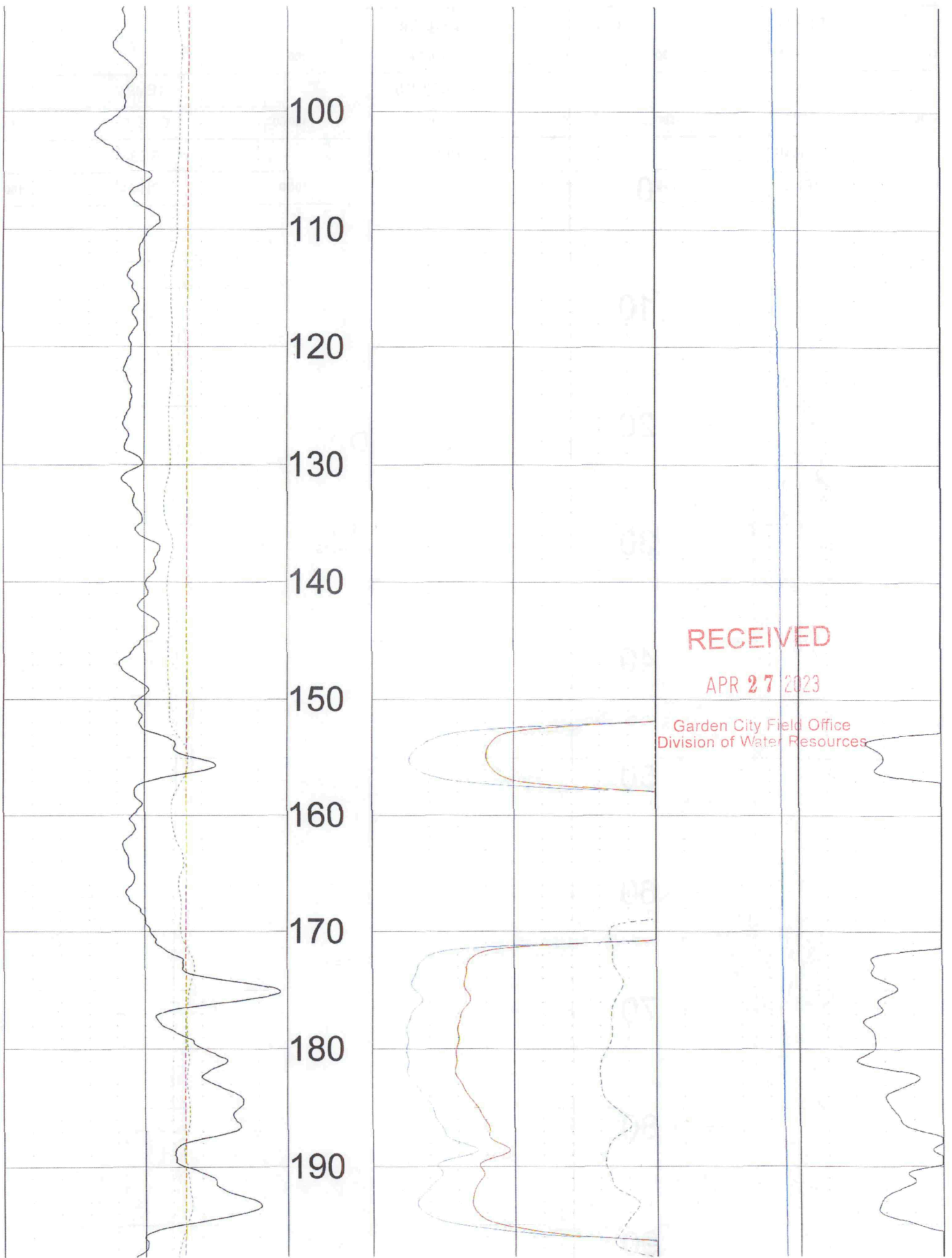
ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

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APR 27 2023

Garden City Field Office  
Division of Water Resources



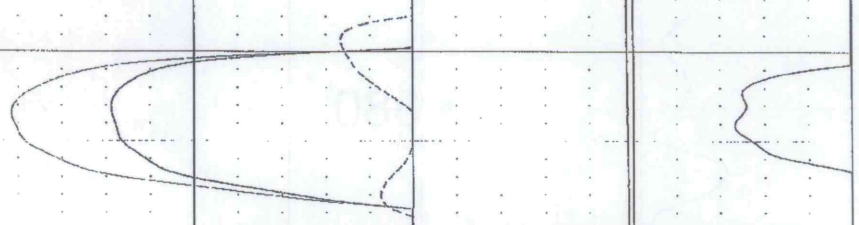


200  
210  
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APR 27 2023

Garden City Field Office  
Division of Water Resources

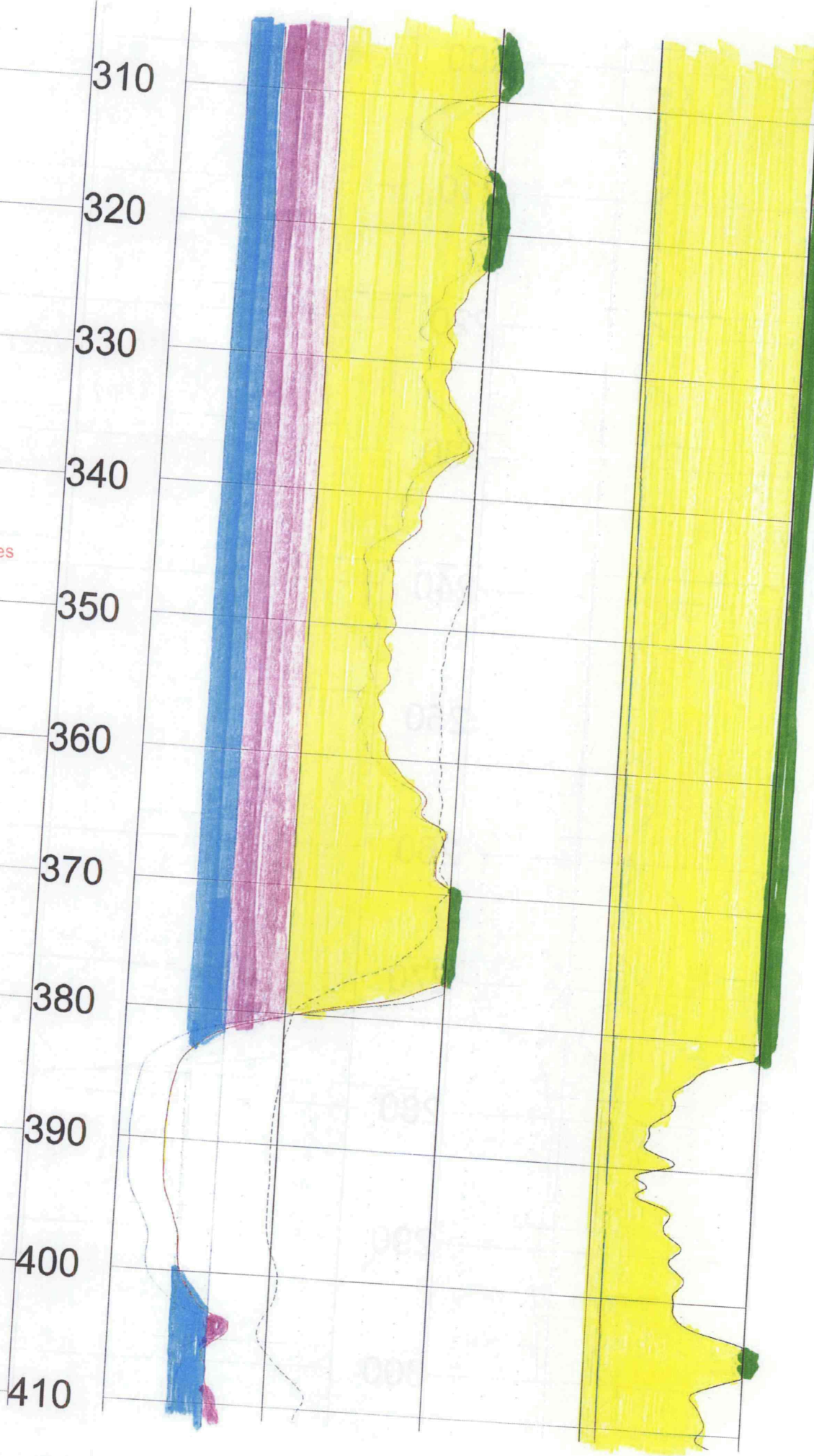




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Garden City Field Office  
Division of Water Resources



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420

430

440

450

460

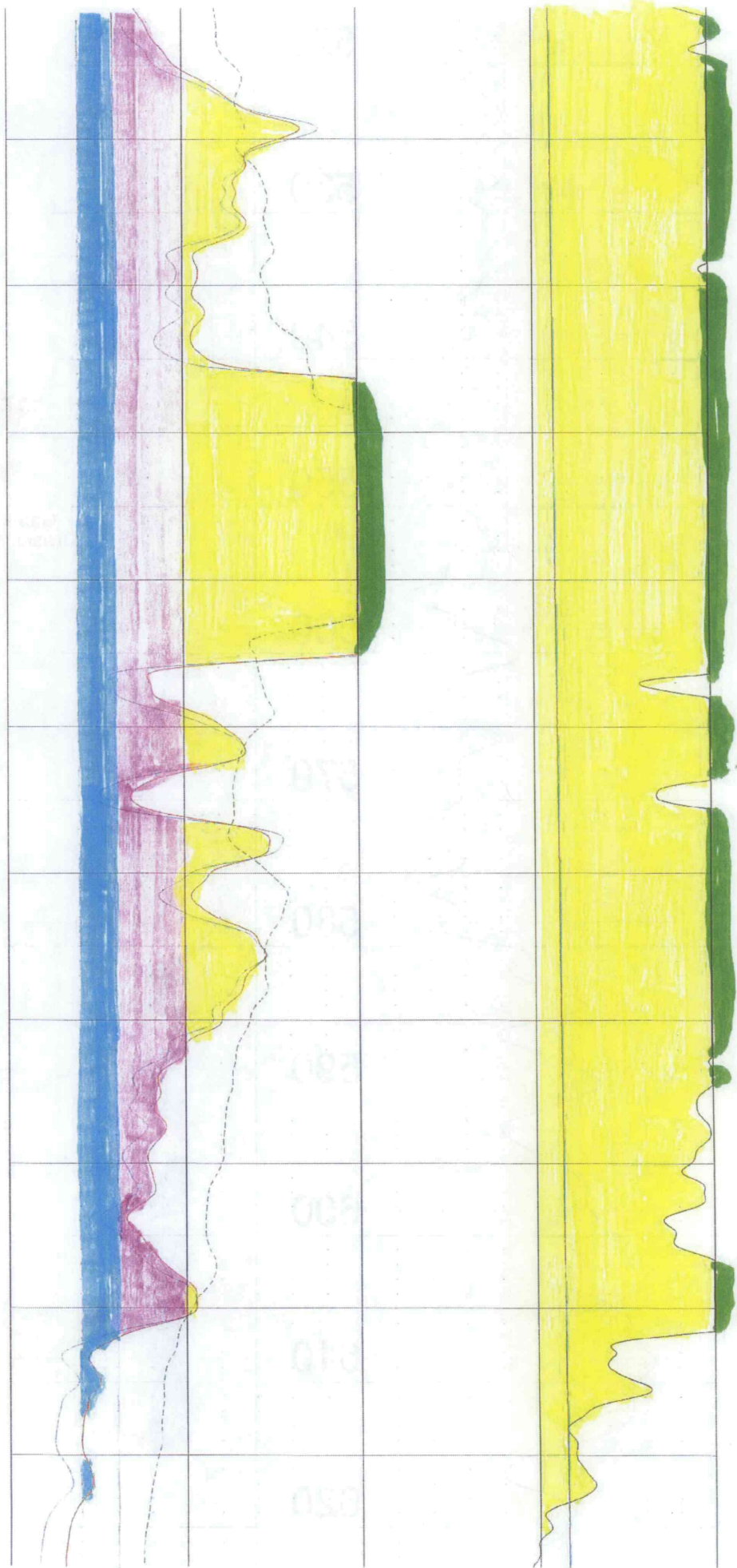
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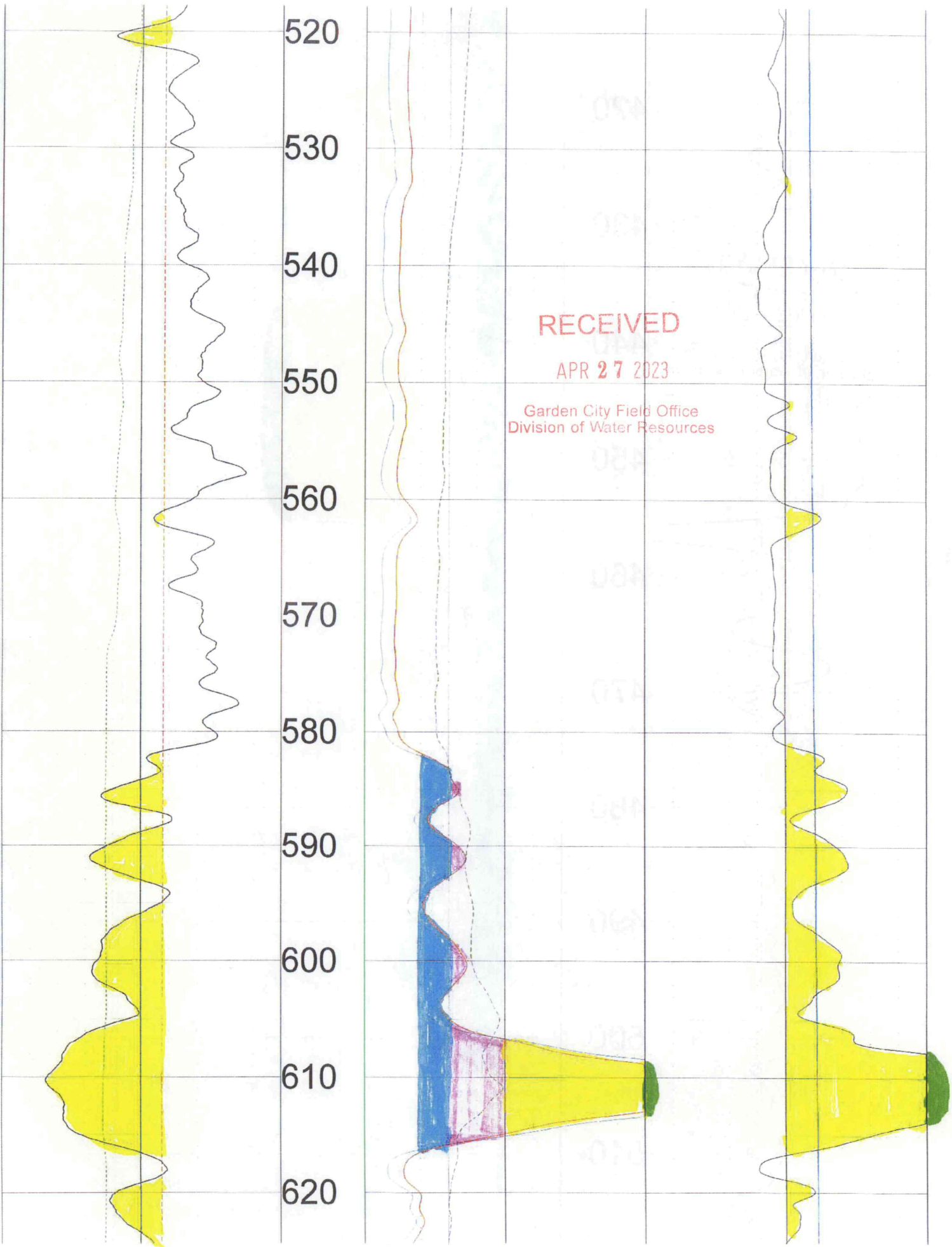
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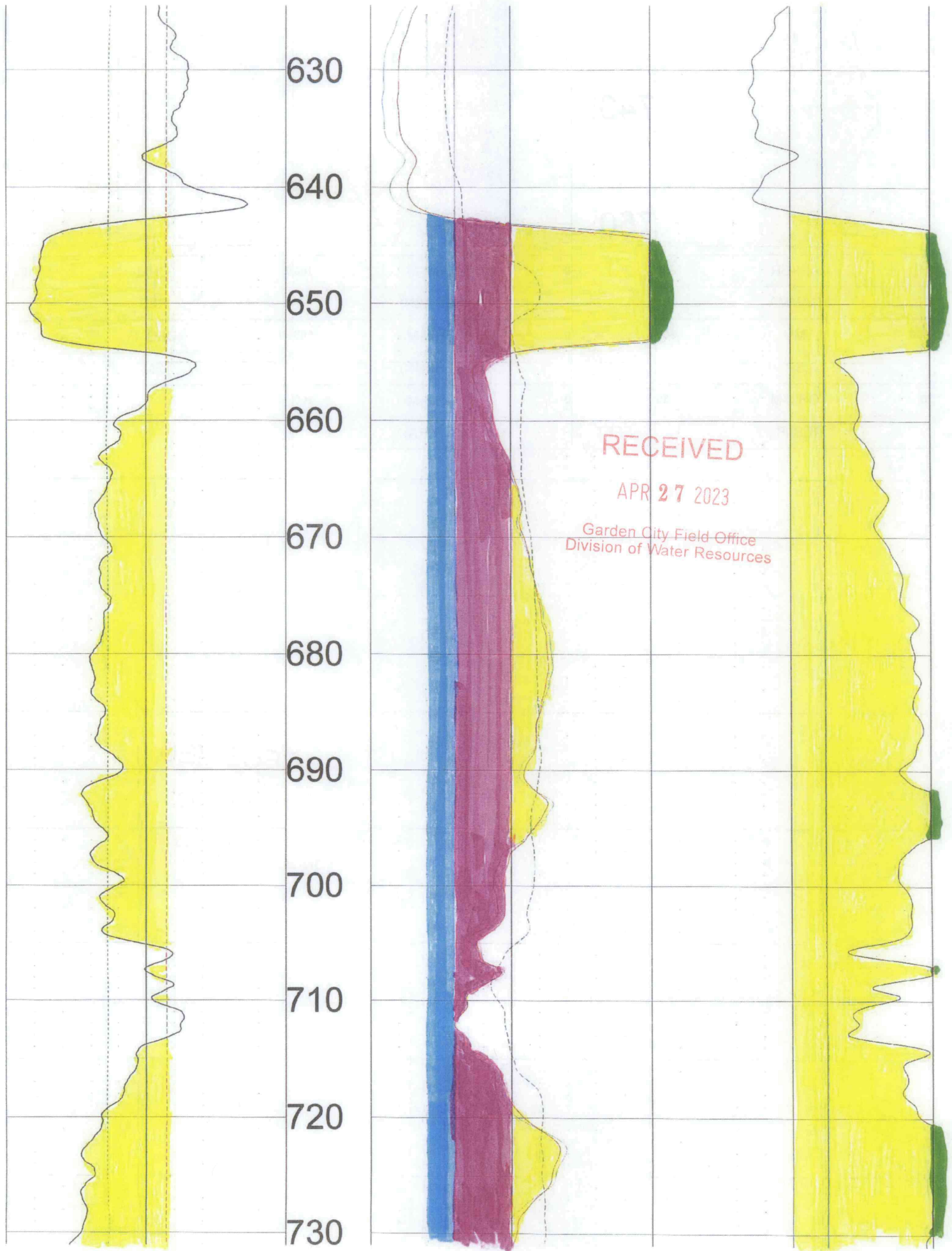
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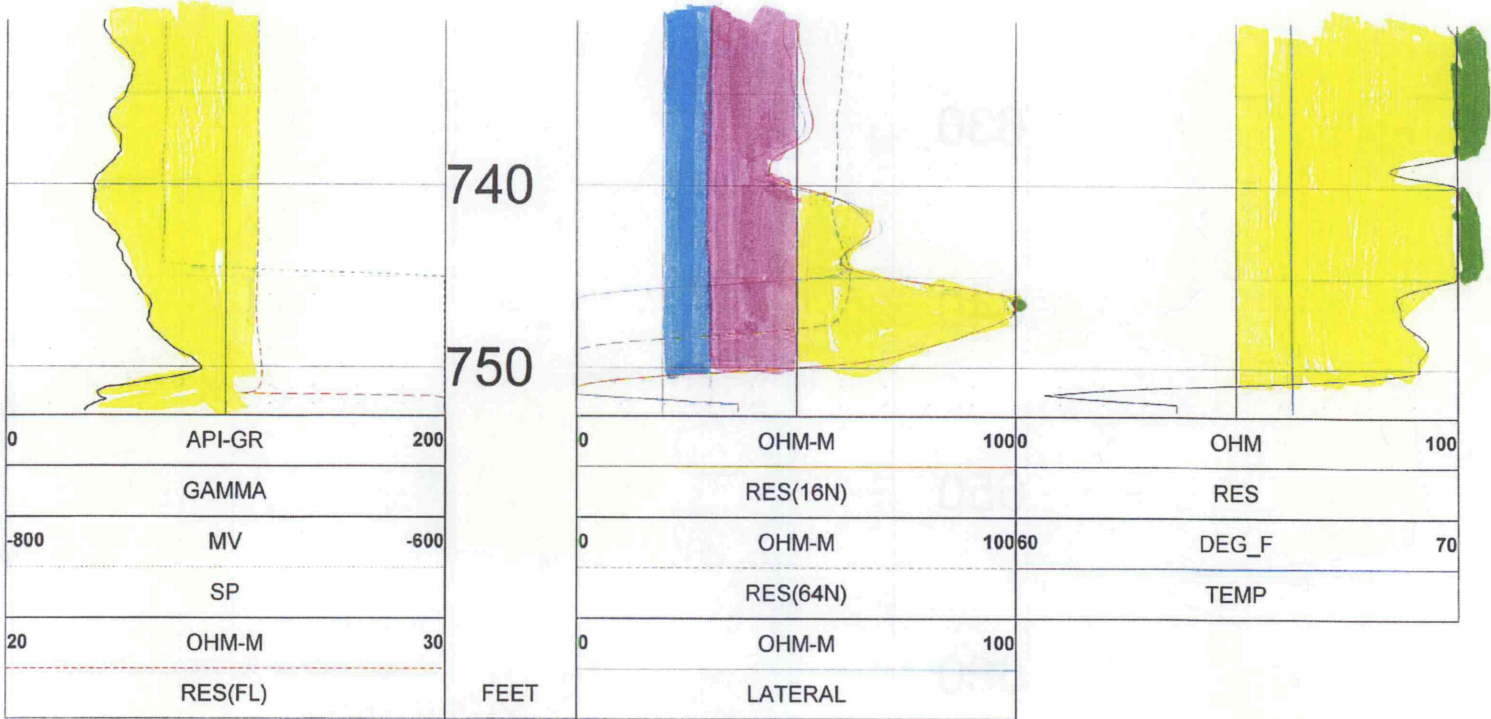
500

510









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APR 27 2023

Garden City Field Office  
Division of Water Resources

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

	DATE	TIME	SENSOR	STANDARD		RESPONSE	
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	[OHM-M ]	64820.000	[CPS]
3	Jan14,22	08:32:51	SP	0.000	[MV ]	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	[OHM-M ]	3453.000	[CPS]
	Jan14,22	08:33:01	RES(16N)	1951.500	[OHM-M ]	448089.000	[CPS]
5	Jan14,22	08:33:10	RES(64N)	0.000	[OHM-M ]	3163.000	[CPS]
	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	[CPS]
7	Jan14,22	08:33:36	RES	0.000	[OHM ]	21285.000	[CPS]
	Jan14,22	08:33:36	RES	944.000	[OHM ]	190148.000	[CPS]

RECEIVED

APR 27 2023

Garden City Field Office  
Division of Water Resources

# SYRACUSE DAIRY

NE 2-27S-36W  
GRANT CO.  
WO#22-740

RECEIVED  
APR 27 2023  
Garden City Fire  
Department  
Division of Water

Legend  
4/12/23

TH#1 N 37.732743 W 101.222391

N 37.730349 W 101.217763 TH#2

N Rd R

N Rd R

37

Google Earth



1000 ft



**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:

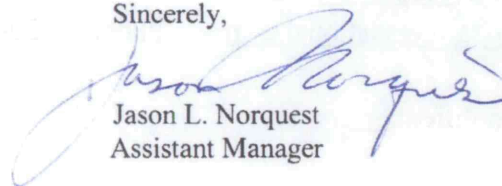
We have completed a review of the applications for the above referenced water right. The proposed change in point of diversion is in accordance with current area rules, K.A.R. 5-23-3, as it pertains to minimum spacing to neighboring wells and distance moved.

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 22 2023

Garden City Field Office  
Division of Water Resources



## 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: 37.730455 Long: -101.217613.

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: yrlnmkr@hotmail.com Phone: 620-353-3399.

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: Move is less than half mile. Minimum spacing to neighboring wells appears to be met. Analysis shows possible effects within guidelines, no critical wells determined.

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



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 27S 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	16	35.57	35.57
A__ AF	18821	00	IRR	NK	G				4446	--	NW	NW	NE	5147	2543	12	27	36W	5	100.00	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	14 <sup>00</sup> 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
A__ AF	21769	00	IRR	NK	G*				1349	--	--	--	--	4025	1320	2	27	36W	2	254.00	254.00
Same AF									3808	--	--	--	--	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
A__ AF	24906	00	IRR	NK	G				5251	--	NE	NE	SW	2440	2840	35	26	36W	2	520.00	520.00
A__ AF	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 Quantities Authorized:	Direct	Storage
Total Requested Amount (AF) =	.00	.00
Total Permitted Amount (AF) =	.00	.00
Total Inspected Amount (AF) =	.00	.00
Total Pro_Cert Amount (AF) =	.00	.00
Total Certified Amount (AF) =	3341.57	.00
Total Vested Amount (AF) =	.00	.00
TOTAL AMOUNT (AF) =	3341.57	.00

*Maximum Twping*  
*Appears MET*

An \* after the source of supply indicates a pending application for change under the file number.  
 An \* after the ID indicates a 15 AF exemption was granted under the file number.  
 A "G" in the Batt column indicates the GEO CTR of a battery. A "B" indicates a well in the battery.  
 The number in the Batt column is the number of wells in the battery.

Water Rights and Points of Diversion Within 1 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:

- > File Number Use ST SR
- > J & L SMITH FARMS INC
- > BRYAN SMITH
- > 9170 E ROAD 2
- > ULYSSES KS 67880
- 
- > LARRY K SMITH
- > 8569 E ROAD 2
- > ULYSSES KS 67880

*9094*  
*14421*

>-----

> LARRY K SMITH

> 8569 E ROAD 2  
> ULYSSES KS 67880

20103

> SYRACUSE DAIRY LLC  
> TATE FARMS  
> 751 SE CR 36  
> SYRACUSE KS 67878

20947

> Applicant

> SYRACUSE DAIRY LLC  
> TATE FARMS  
> 751 SE CR 36  
> SYRACUSE KS 67878

20948

> KEVIN L SHAPLAND

> 10436 N ROAD L  
> ULYSSES KS 67880

21165

> SYRACUSE DAIRY LLC  
> TATE FARMS  
> 751 SE CR 36  
> SYRACUSE KS 67878

21769

Application

> J & L SMITH FARMS INC  
> BRYAN SMITH  
> 9170 E ROAD 2  
> ULYSSES KS 67880

24121

> KEVIN L SHAPLAND

> 10436 N ROAD L  
> ULYSSES KS 67880

24906

> CORLEY FARMS LC

> PO BOX 1834  
> GARDEN CITY KS 67846

25941

> J & L SMITH FARMS INC  
> BRYAN SMITH  
> 9170 E ROAD 2  
> ULYSSES KS 67880

29615

>-----



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**

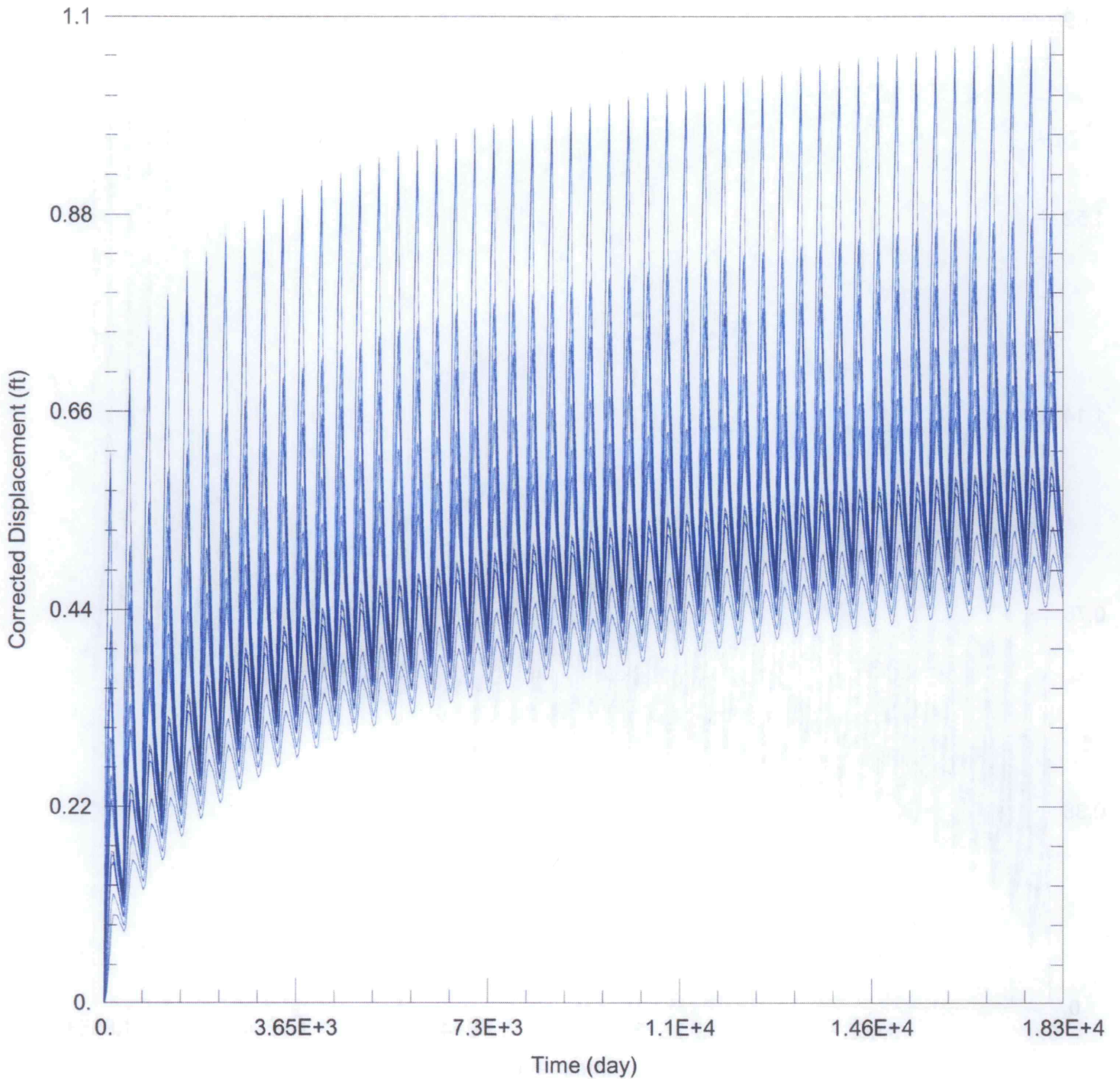
Domestic 4: Drawdown from current location = 0.59 ft  
Drawdown from proposed location = 0.78 ft  
Net drawdown = **0.2 ft**

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.



WELL TEST ANALYSIS

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

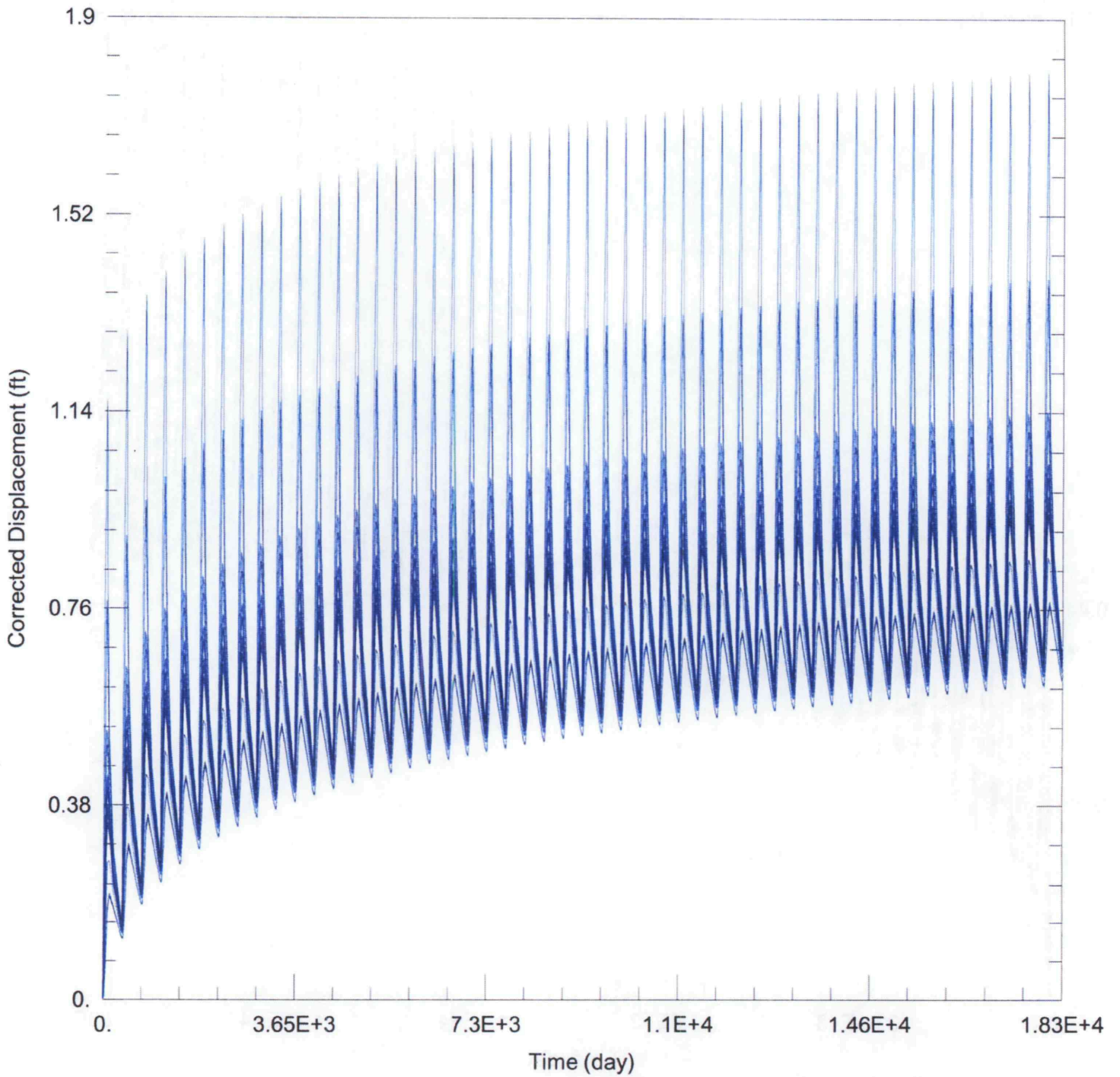
PROJECT INFORMATION

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	□	-122059	312539





WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2023\_moves\21769\21769 Proposed.aqt  
 Date: 05/15/23 Time: 16:35:37

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	-120939	311753	□	-120939	311753

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](http://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,

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

Michael A. Meyer  
Water Commissioner

MAM  
Enclosures