

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

1. File Number: <b>21764-D1</b>	2. Status Change Date:	3. Change Num: <b>C5</b>	4. Field Office: <b>4</b>	5. GMD: <b>3</b>
6. Status: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied by DWR/GMD <input type="checkbox"/> Dismiss by Request/Failure to Return				7. Filing Date of Change: <b>1/24/2023</b>
8a. Applicant(s) New to system <input type="checkbox"/>  <b>GRAHAM FARMS INC 2150 ROAD 220 DEERFIELD, KS 67838-9513</b>		Person ID <b>6372</b> Add Seq# _____	8c. Landowner(s) New to system <input type="checkbox"/>  Person ID _____ Add Seq# _____	
8b. Landowner(s) New to system <input type="checkbox"/>  <b>8a</b>		Person ID _____ Add Seq# _____	8d. WUC New to system <input type="checkbox"/>  <b>8a</b>	
9. Documents and Enclosure(s): <input checked="" type="checkbox"/> DWR Meter(s) Date to Comply: <b>12/31/2023</b> <input checked="" type="checkbox"/> N & P Date to Comply: <b>3/1/2024</b>				
<input type="checkbox"/> Anti-Reverse Meter <input type="checkbox"/> Meter Seal <input checked="" type="checkbox"/> Check Valve <input checked="" type="checkbox"/> N & P Form <input checked="" type="checkbox"/> Water Tube <input checked="" type="checkbox"/> Driller Copy <input checked="" type="checkbox"/> H & E Letter <input type="checkbox"/> Conservation Plan    Date Required: _____    Date Approved: _____    Date to Comply: _____				
10. Use Made of Water    From: _____    To: _____				
Date Prepared: <b>2/15/2023</b> By: <b>AM</b> Date Entered: _____    By: _____				

File No. **21764-D1**      11. County: **KE**      Basin: **ARKANSAS RIVER**      Stream:      Formation Code: **211**      Special Use:

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

**DEL 62572**

**ENT**      **NW NW NW**      **22 25S 35W**      **5113 4493**      **1075 272**      **1075 272**      **NONE**

**CHK 88264**

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 CHK MOD DEL ENT	PUSE	S	T	R	ID	NE¼				NW¼				SW¼				SE¼				Total	Owner	Chg?	Overlap Files
						NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼				
<b>CHK 1070</b>																									
<b>CHK 11167</b>																									
<b>CHK 12996</b>																									
<b>CHK 19311</b>																									
<b>CHK 38640</b>																									
<b>CHK 57431</b>																									

Base Acres:      Year:      Minimum Reasonable Quantity:  
 Comments:

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

February 15, 2023

GRAHAM FARMS INC  
2150 ROAD 220  
DEERFIELD, KS 67838-9513

RE: Filed Office Application for Change  
Water Right, File No. 21764-D1

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.

The abandoned well must be plugged in accordance with the requirements of Article 30 of the Rules and Regulations as adopted by the Kansas Department of Health and Environment.

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

Sincerely,

A handwritten signature in blue ink that reads "Austin J. McColloch".

Austin J. McColloch  
Assistant Water Commissioner

AM:  
enclosures

pc: GMD3

**CERTIFICATE OF SERVICE**

On this 15<sup>th</sup> day of February, 2023, I hereby certify that the foregoing Approval of Application for Change in Point of Diversion, Water Right, File No. 21,764-D1 dated 15<sup>th</sup> day of February, 2023 was mailed postage prepaid, first class, US mail to the following:

GRAHAM FARMS INC  
2150 ROAD 220  
DEERFIELD, KS 67838-9513

Pc:

GMD3

  
\_\_\_\_\_  
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.

File No. 21764-D1

**RECEIVED**  
 9:15 AM  
 JAN 24 2023  
 Garden City Field Office  
 Division of Water Resources

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

Place of Use                       Point of Diversion

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

The source of supply is:                       Groundwater                       Surface water

2. Name and address of Applicant: GRAHAM FARMS INC

2150 ROAD 220, DEERFIELD, KS 67838-9513

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

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:

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	

For Office Use Only: Code \_\_\_\_\_ Fee \$ 200.00 TR # \_\_\_\_\_ Receipt Date 1-24-23 Check # 5929

5. **Presently authorized point of diversion:**  
 One in the NE Quarter of the SW Quarter of the NW Quarter of Section 22, Township 25 South, Range 35 W, in KE County, Kansas, 3500 feet North 4065 feet West of Southeast corner of section.  
 Authorized Rate No change Authorized Quantity No change Depth of well \_\_\_\_\_ (feet)  
**(DWR use only: Computer ID No. 6 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 NW Quarter of the NW Quarter of the NW Quarter of Section 22, Township 25 South, Range 35 W, in KE County, Kansas, 5113 feet North 4493 feet West of Southeast corner of section.  
 Proposed Rate No change Proposed Quantity No change Proposed well depth (feet) 682  
 This point is:  Additional Well  Geo Center List other water rights that will use this point \_\_\_\_\_

6. **Presently authorized point of diversion:**  
 One in the SW Quarter of the NW Quarter of the NE Quarter of Section 22, Township 25 South, Range 35 W, in KE County, Kansas, 4233 feet North 2091 feet West of Southeast corner of section.  
 Authorized Rate No change Authorized Quantity No change Depth of well \_\_\_\_\_ (feet)  
**(DWR use only: Computer ID No. \_\_\_\_\_ GPS \_\_\_\_\_ feet North \_\_\_\_\_ feet West)**  
 This point will not be changed  This point will be changed as follows:  No change, point better described with GPS as follows:  
**Proposed point of diversion: (Complete only if change is requested or if existing point is better described by GPS)**  
 One in the \_\_\_\_\_ Quarter of the \_\_\_\_\_ Quarter of the \_\_\_\_\_ Quarter of Section \_\_\_\_\_, Township \_\_\_\_\_ South, Range \_\_\_\_\_ (E/W), in \_\_\_\_\_ County, Kansas, \_\_\_\_\_ feet North \_\_\_\_\_ feet West of Southeast corner of section.  
 Proposed Rate \_\_\_\_\_ Proposed Quantity \_\_\_\_\_ Proposed well depth (feet) \_\_\_\_\_  
 This point is:  Additional Well  Geo Center List other water rights that will use this point \_\_\_\_\_

7. The changes herein are desired for the following reasons?  
 (please be specific) Loss of Production

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

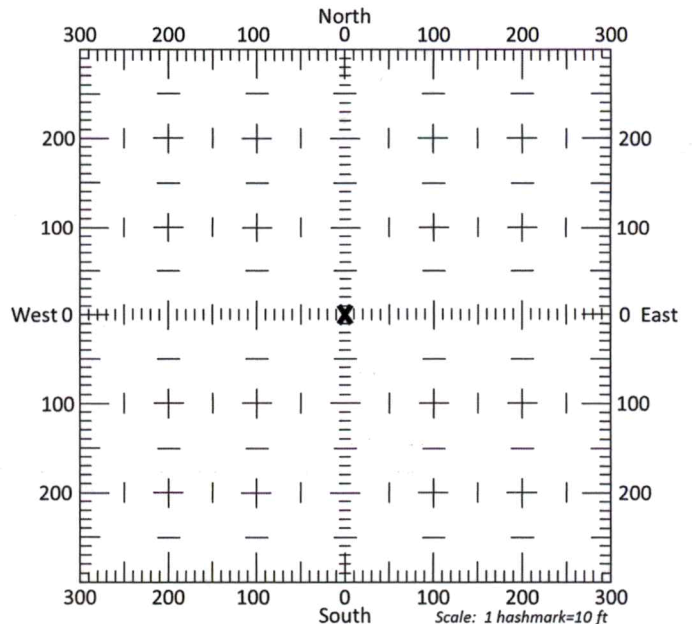
9. The change(s) (was)(will be) completed by?  
 \_\_\_\_\_

10. If the point of diversion is a well:  
 (a) What are you going to do with the old well?  
Plug / cap  
 (b) When will this be done? \_\_\_\_\_

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



13b. If the proposed point of diversion will be relocated within 300 feet of the existing point of diversion, indicate its location on the diagram shown above in relation to the existing point of diversion. (PLEASE NOTE: The "X" in center of diagram above represents the presently authorized point of diversion.)



**SUMMARY ORDER APPROVING APPLICATION FOR CHANGE AND IMPOSING CONDITIONS**

This 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 provisions of the *Kansas Water Appropriation Law, K.S.A. 82a-701 et. seq.*, and rules and regulations promulgated thereunder, With the exception of those conditions expressly contained herein, this Summary Order does not change the terms, conditions and limitations of File No. 21764-D1.

1. A change application was received on January 24, 2023 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 300 foot radius of the authorized point(s) of diversion.  Applicable  Not 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  Not Applicable
5. The point(s) of diversion authorized herein shall not actually be located more than 2640 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, 2023**, 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, 2023**, or within any authorized extension of time. By March 1, 2024 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  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  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 *Kansas Water Appropriation Law* and the *Rules and Regulations* 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.

**Administrative Appeal and Effective Date of Order**

If you are aggrieved by this order, pursuant to K.S.A. 82a-1901, you may request an evidentiary hearing before the Chief Engineer or request administrative review by the Secretary of Agriculture. A request for hearing by the Chief Engineer must be filed within **15 days** of service of this Order and a request for administrative review by the Secretary must be filed within **30 days** pursuant to K.S.A. 77-531. Any request for administrative review must state a basis for review pursuant to K.S.A. 77-527. File any request with **Kansas Department of Agriculture, Legal Division, 1320 Research Park Drive, Manhattan, KS 66502**. Failure to timely request a hearing or review may preclude review under the Kansas Judicial Review Act.

*For Use by Register of Deeds*

FOR OFFICE USE ONLY  
**APPLICATION APPROVED AND SUMMARY ORDER ISSUED**

By: Austin McColloch  
Duty Authorized Designee of the Chief Engineer

(Print Name): Austin McColloch  
Division of Water Resources - Kansas Department of Agriculture

Date of Issuance: February 15, 2023

State of Kansas )

County of Genney ) SS

Acknowledged before me on February 15, 2023

by Austin McColloch

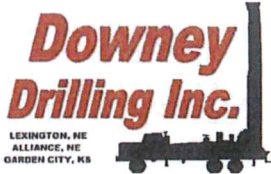
Signature: Julie Jones

Notary Public

My commission expires: \_\_\_\_\_







# Well Design & Construction

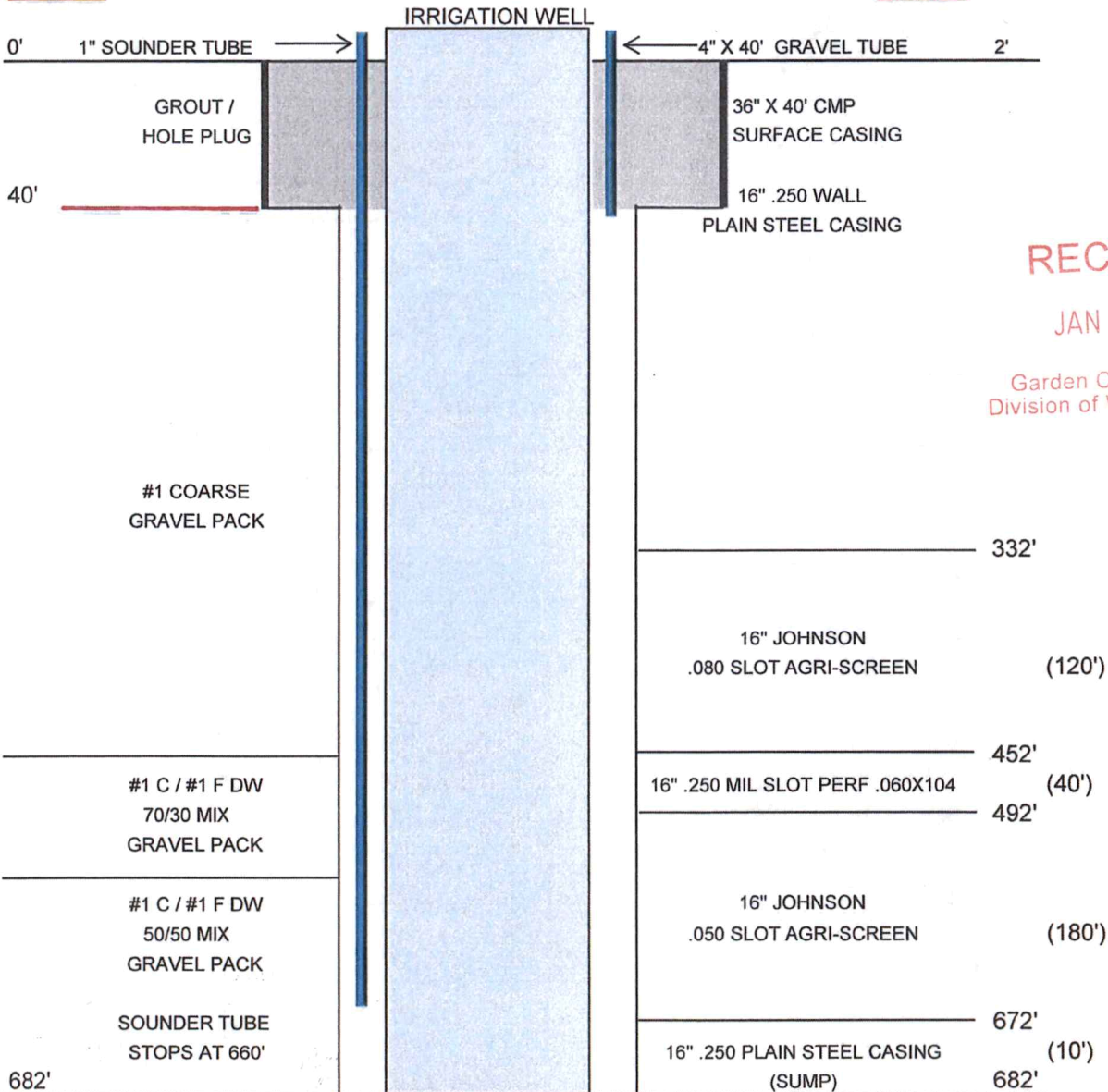
"PROPOSED"  
WR #21764

Customer Name: TRIPLE "G" FARMS - GRAHAM PIVOT #22-1  
 Legal: NW 22-25S-35W County: KEARNY  
 G.P.S.: 37.871819 Date: \_\_\_\_\_  
-101.1561 WO #: \_\_\_\_\_

DRILLER: \_\_\_\_\_ WATER SUPPLY: NEARBY IRRIGATION WELL  
 HELPER(S): \_\_\_\_\_ DRILLING RIG: M-100  
 BOREHOLE DIAMETER: 30" DRILLING METHOD: REVERSE CIRCULATION  
 CASING DIAMETER: 16" QUIKGEL: TBD HOLE PLUG: 20+ FT.  
 TOTAL WELL DEPTH: 682' GRAVEL: 3 LOADS X #1 C; 2 LOAD X 70/30; 1 X LOAD 50/50  
 DRILLING FLUID: N/A GRAVEL SUPPLIER: HUBER 150+ TONS  
 ADDITIONAL INFO: TEST HOLE #1 LOCATION 36" X 40' CMP SURFACE CASING

**GROUT AND GRAVEL**

**SCREEN AND CASING**



RECEIVED

JAN 23 2023

Garden City Field Office  
Division of Water Resources

RECEIVED

JAN 23 2023

WELL LOG

22-1

DATE: 4/29/2020

Garden City Field Office  
Division of Resources

**Downey**  
**Drilling Inc.**



#1

CUSTOMER NAME: GRAHAM / TRIPLE G FARMS

TEST HOLE #1

LEGAL: NW 22-253-35W

#22-1

COUNTY: KEARNY

GPS: 37.871819

-101.1561

DRILLER: DIEGO VALLE

WO: 20-191

TW	FROM	TO	TYPE	HARDNESS	COLOR	SPEED	PULL DOWN	OTHER / DRILLING ACTION
0	7		TOP SOIL AND SURFACE SAND	SOFT	LT BROWN	FAST		SMOOTH
7	11		CLAY	SOFT	BROWN	FAST		SMOOTH
11	33		FINE SAND	SOFT		FAST		SMOOTH
33	83		FINE-MEDIUM SAND WITH SMALL GRAVEL	SOFT		FAST		LITTLE CHATTER
83	91		SANDY CLAY MIXED WITH SMALL GRAVEL	SOFT	TAN	FAST		CHOPPY
91	95		FINE-MEDIUM SAND	SOFT	RED	FAST		CHATTER
95	105		BIG GRAVEL	LITTLE STIFF	RED	FAST		CHATTER VIBRATION / CHATTER
105	130		FINE SAND MIXED WITH FINE GRAVEL	SOFT		FAST		SMOOTH
130	147		SANDY CLAY WITH FINE-MEDIUM SAND AND SOME SMALL GRAVEL	SOFT		FAST		CHATTER
147	167		FINE-MEDIUM SAND WITH SMALL GRAVEL AND SOME CLAY STRINGERS	SOFT		FAST		SMOOTH
167	173		SANDY CLAY LAYERS	SOFT	TAN	FAST		CHATTER
173	203		MED-COARSE SAND, FINE-MEDIUM GRAVEL	SOFT		FAST		SMOOTH
203	207		SANDY CLAY	SOFT	TAN	FAST		CHATTER
207	215		FINE-MEDIUM-COARSE SAND	SOFT		FAST		SMOOTH
215	230		SANDY CLAY	STIFF		FAST		LT. CHATTER
230	239		MED-COARSE SAND	SOFT	TAN	FAST		SMOOTH
239	253		CLAY	STIFF	TAN	FAST		LT. CHATTER
253	259		MED-COARSE SAND	SOFTER	TAN	FAST		SMOOTH
259	263		CLAY	STIFF	GRAY	SLOWER		LT. CHATTER
263	268		MED-COARSE SAND	SOFT	TAN	FAST		SMOOTH
268	277		CLAY	LITTLE STICKY	GRAY	SLOWER		SMOOTH
277	284		SANDY CLAY	SOFT	TAN	FAST		SMOOTH
284	290		FINE-MEDIUM SAND	SOFT	TAN	FAST		VIBRATION
290	301		FINE-MED-COARSE SAND, TR. FINE GRAVEL	SOFTER	TAN / BROWN	FAST		CHATTER / CHOPPY SMOOTH AND CHOPPY AT TIMES
301	319		CLAY, SANDY CLAY W/ LIMEROCK	SOFT AND STICKY	TAN	FAST		SMOOTH
319	322		FINE-MED SAND	SOFTER	TAN / BROWN	FAST		LT. CHATTER
322	332		CLAY, SANDY CLAY W/ LIMEROCK	FIRM	TAN / BROWN	SLOWER		SMOOTHER
332	342		MED - COARSE SAND TR. LIMEROCK	SOFT	TAN / WHITE	FAST		CHATTER
342	366		SANDY CLAY, W/SAND LENSES	SOFT	TAN	FAST		SMOOTH
366	383		FINE-MEDIUM SAND W/SANDSTONE - BROWN ROCK	SOFT	BROWN	FAST		CHATTER
380	402		CLAY W/TR. FINE SAND LENSES	STICKY	TAN	FAST		SMOOTH
402	432		CLAY	STICKY	YELLOW TAN /	FAST		SMOOTH WITH SOME VIBRATION
432	438		CLAY W/ TR. LIMEROCK	STICKY	YELLOW	FAST		CHOPPY, SLIGHTLY ROUGH
438	453		BROKEN ROCK, SANDSTONE	SEMI FIRM	BROWN	SLOW		SMOOTH
453	467		CLAY (WEATHERED SHALE)	STIFF / STICKY	YELLOW / GRAY	SLOW		SMOOTH
467	468		FINE SAND	SOFTER	GRAY	FASTER		LT. VIBRATION

290'  
STATIC

	468	499	CLAY / SHALE	STIFF / DENSE	GRAY / RED	SEMI SLOW		SMOOTH
	499	509	MED SAND, SANDSTONE	SOFT	TAN	SEMI - FAST		LT VIBRATION
	509	522	CLAY / SHALE	DENSE	GRAY	SLOWER		SMOOTH
	522	530	FINE - MED SAND, SANDSTONE	SOFTER	TAN	FASTER		LT. CHATTER
	530	540	CLAY / SHALE	SEMI DENSE	GRAY	SLOWER		SMOOTHER
	540	544	FINE SAND	SOFTER	TAN	LITTLE FASTER		VERY LT VIBRATION
X	544	553	FINE - MED SAND, SANDSTONE	SOFT	TAN / BROWN	FASTER		CHATTER
X	553	612	MED-COARSE SANDSTONE	SOFTER	TAN	FAST		CHATTER
	612	631	SHALE W/TR. FINE SAND LENSES	FIRM	GRAY / TAN	SLOWER		SMOOTHER
X	631	667	FINE SAND WITH LAYERS OF WHITE SAND	SOFT	TAN / WHITE	FAST		CHATTER
	667	680	SHALE W/LIMESTONE OR PYRITE	FIRM	GRAY	SLOW	YES / 1500 PSI 5 MIN	CHOPPY / ROUGH
			QUIK GEL - 21					
			EZ MUD - 2 GAL.					
			SODA ASH - 1 BAG					
			BRAN - 1					
			WATER LOADS - 4					
			CASING SEAL - 1					
			HOLE PLUG - 2					
			VISCOSITY					
	START	37.34						
	100	41.63						
	200	37.69						
	300	39.75						
	400	42.55						
	500	43.76						
	600	39.07						
	680	37.47						

RECEIVED

JAN 23 2023

Garden City Field Office  
Division of Water Resources



# Century GEOPHYSICAL CORP.

TRIPLE G GRAHAM

COMPANY : DOWNEY DRILLING INC  
WELL : TRIPL E G GRAHA  
LOCATION/FIELD : TH #1  
COUNTY : KEARNY  
LOCATION : *NW*  
SECTION : 22

OTHER SERVICES:

*#22-1*

TOWNSHIP : 25~~0~~<sup>5</sup> RANGE : 35W

DATE : 04/29/20  
DEPTH DRILLER : 680  
LOG BOTTOM : 681.10  
LOG TOP : 0.70

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 : DON

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: 04/29/20  
LGTIME : 19:57:  
THRESH: 99999

N 37.87181  
W 101.15609

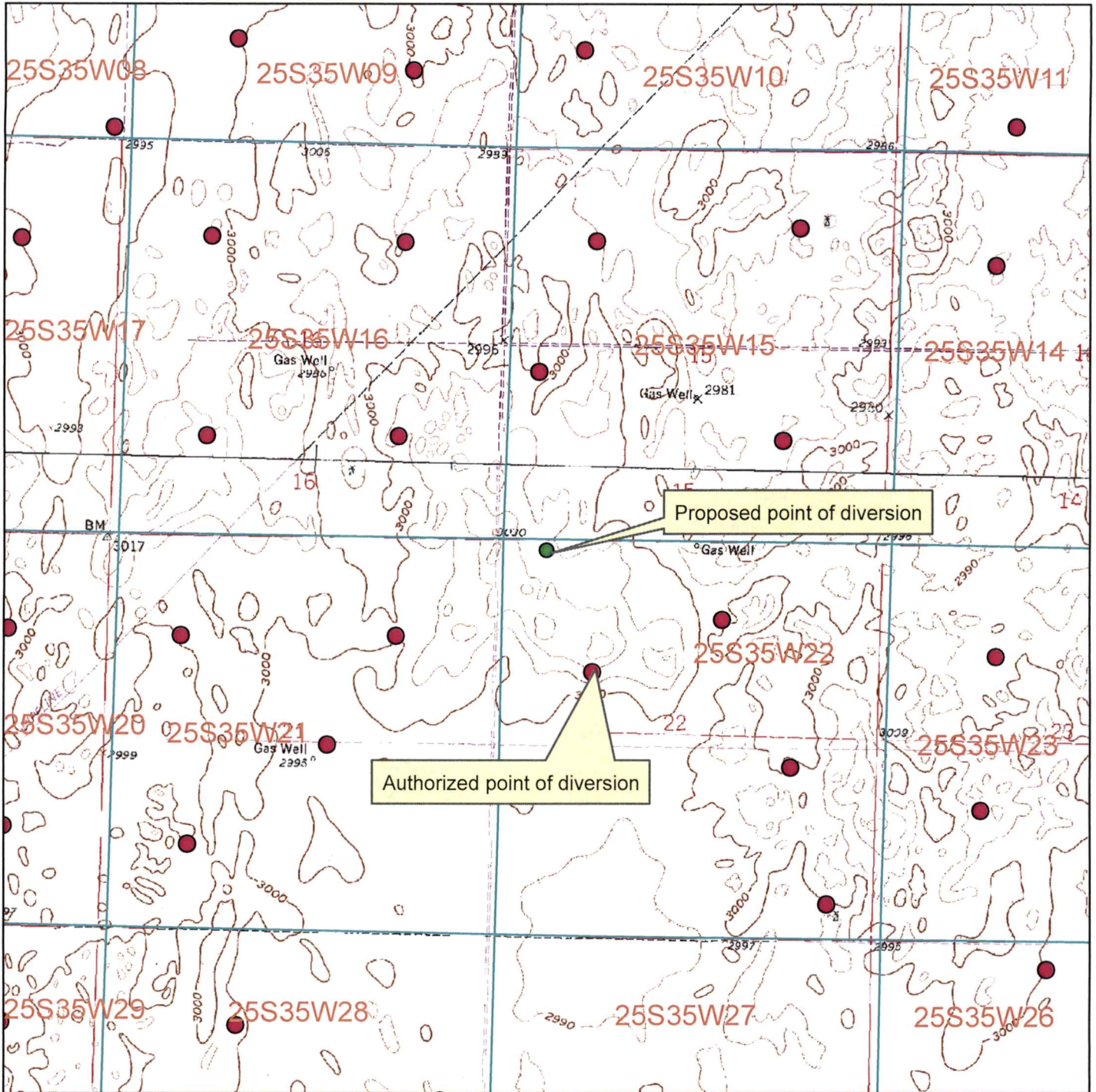
ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

RECEIVED

JAN 23 2023

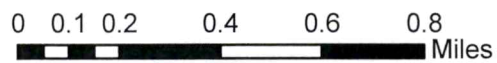
Garden City Field Office  
Division of Water Resources

# Change in point of diversion for water right 21764-D1



● Authorized point of diversion

● Proposed point of diversion



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

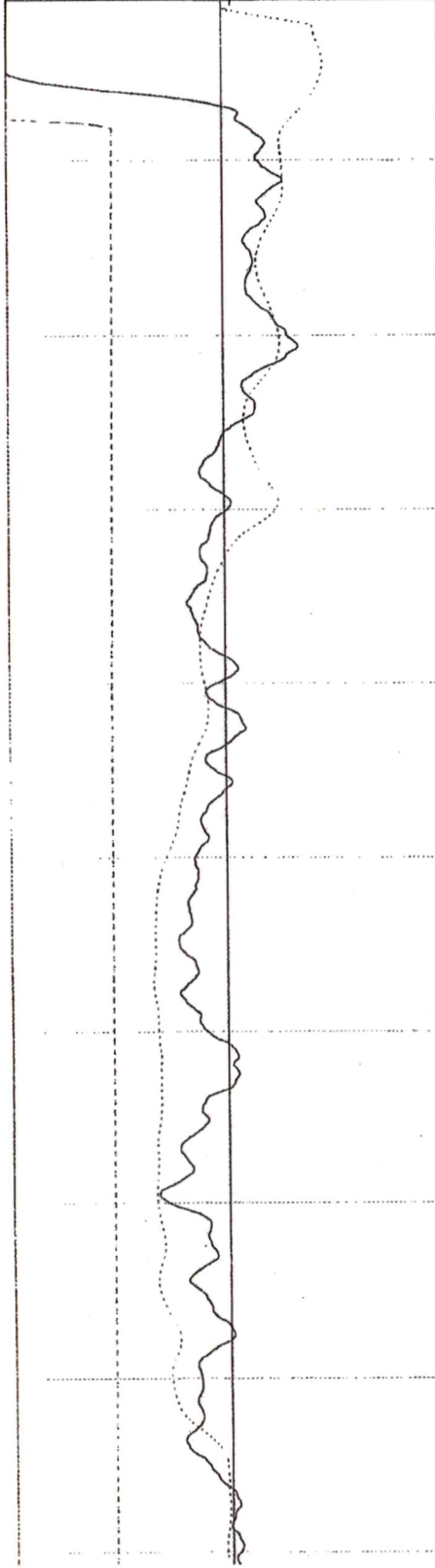
X \_\_\_\_\_

RES(FI)	
10 OHM-M	20
SP	
50 MV	50
GAMMA	
0 API-GR	200

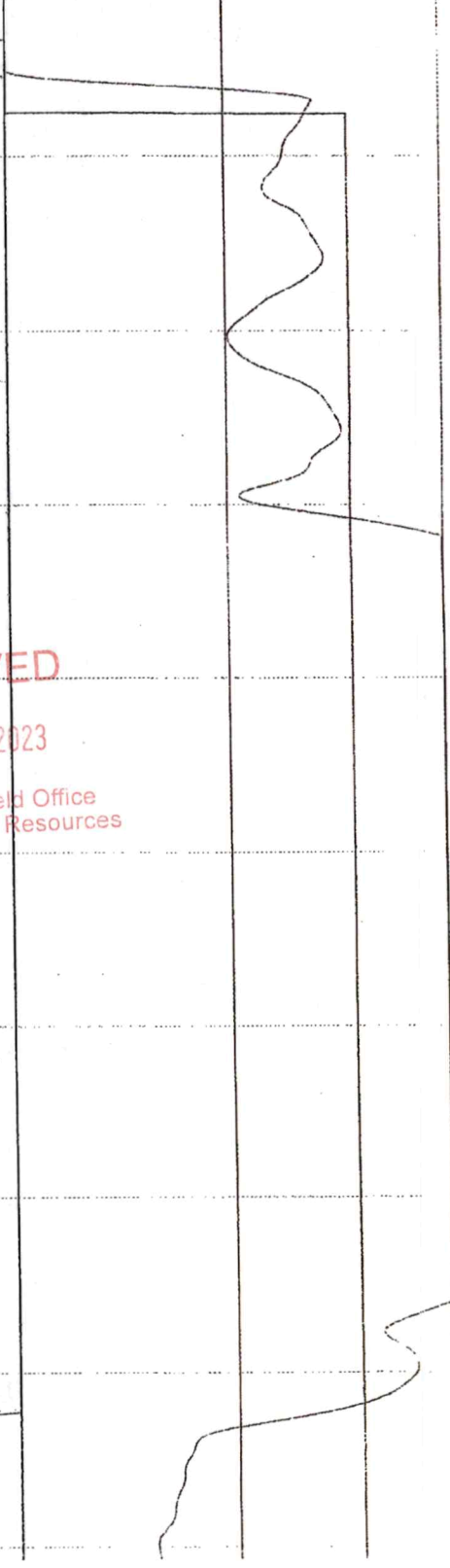
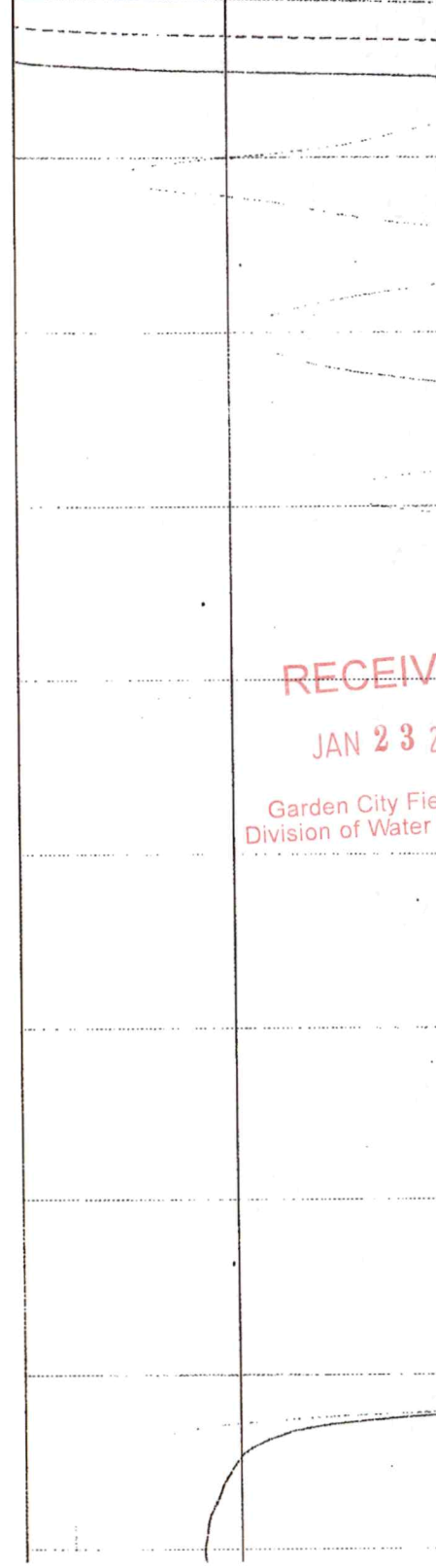
FEET

LATERAL	
0 OHM-M	100
RES(64N)	
0 OHM-M	100
RES(16N)	
0 OHM-M	100

TEMP	
DEG_F	70
RES	
OHM	100

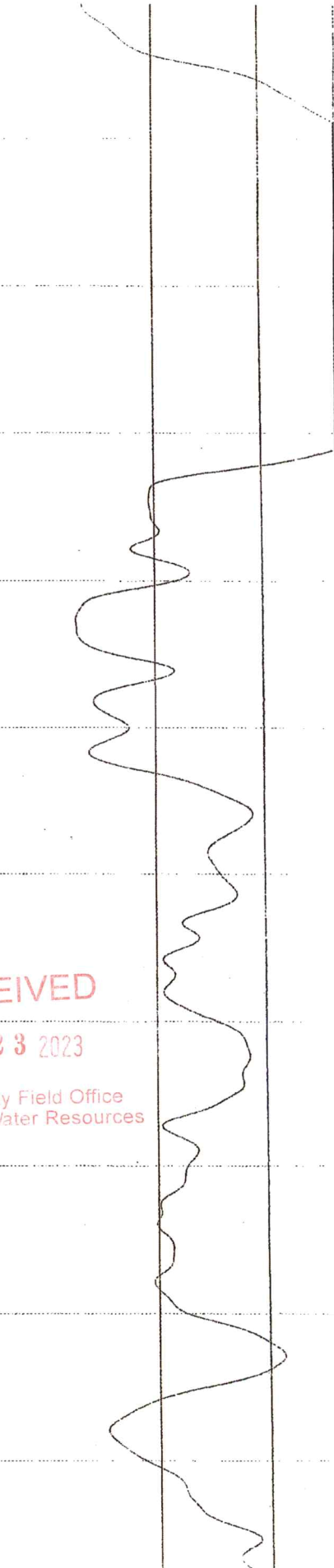
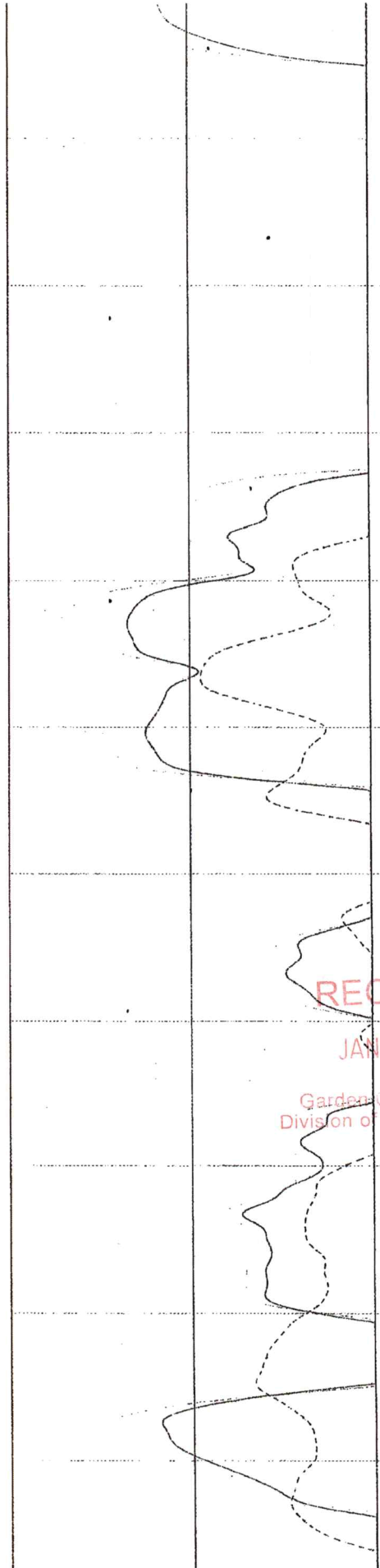
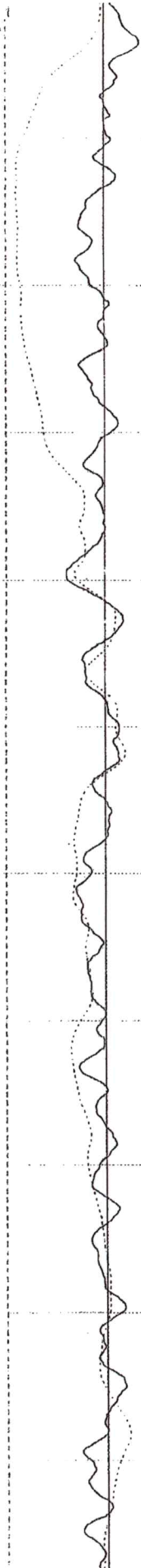


0  
10  
20  
30  
40  
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60  
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80  
90



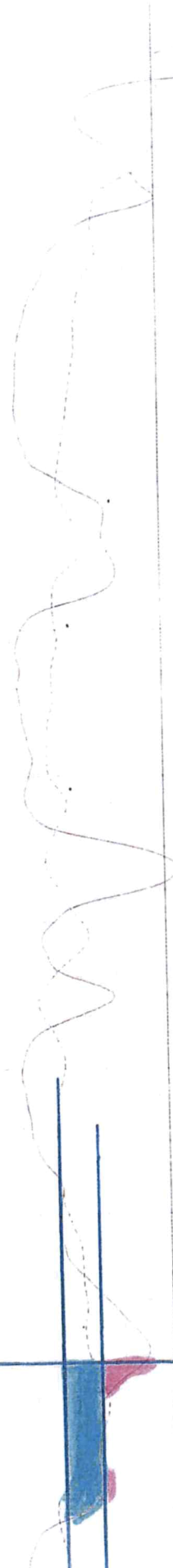
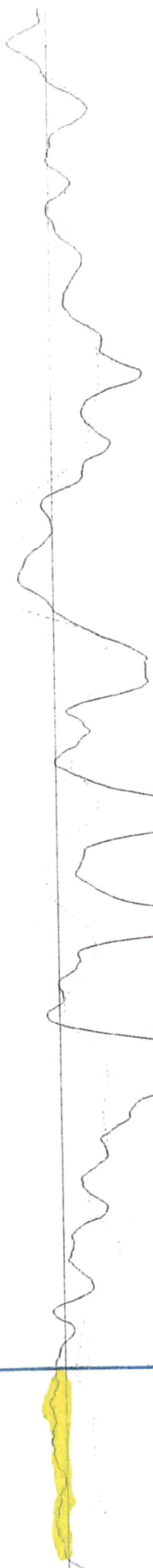
RECEIVED  
 JAN 23 2023  
 Garden City Field Office  
 Division of Water Resources

100  
110  
120  
130  
140  
150  
160  
170  
180  
190



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Division of Water Resources

200  
210  
220  
230  
240  
250  
260  
270  
280  
290  
300



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Garden City Field Office  
Division of Water Resources

STATIC





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Garden City Field Office  
Division of Water Resources

332

310

320

330

340

350

360

370

380

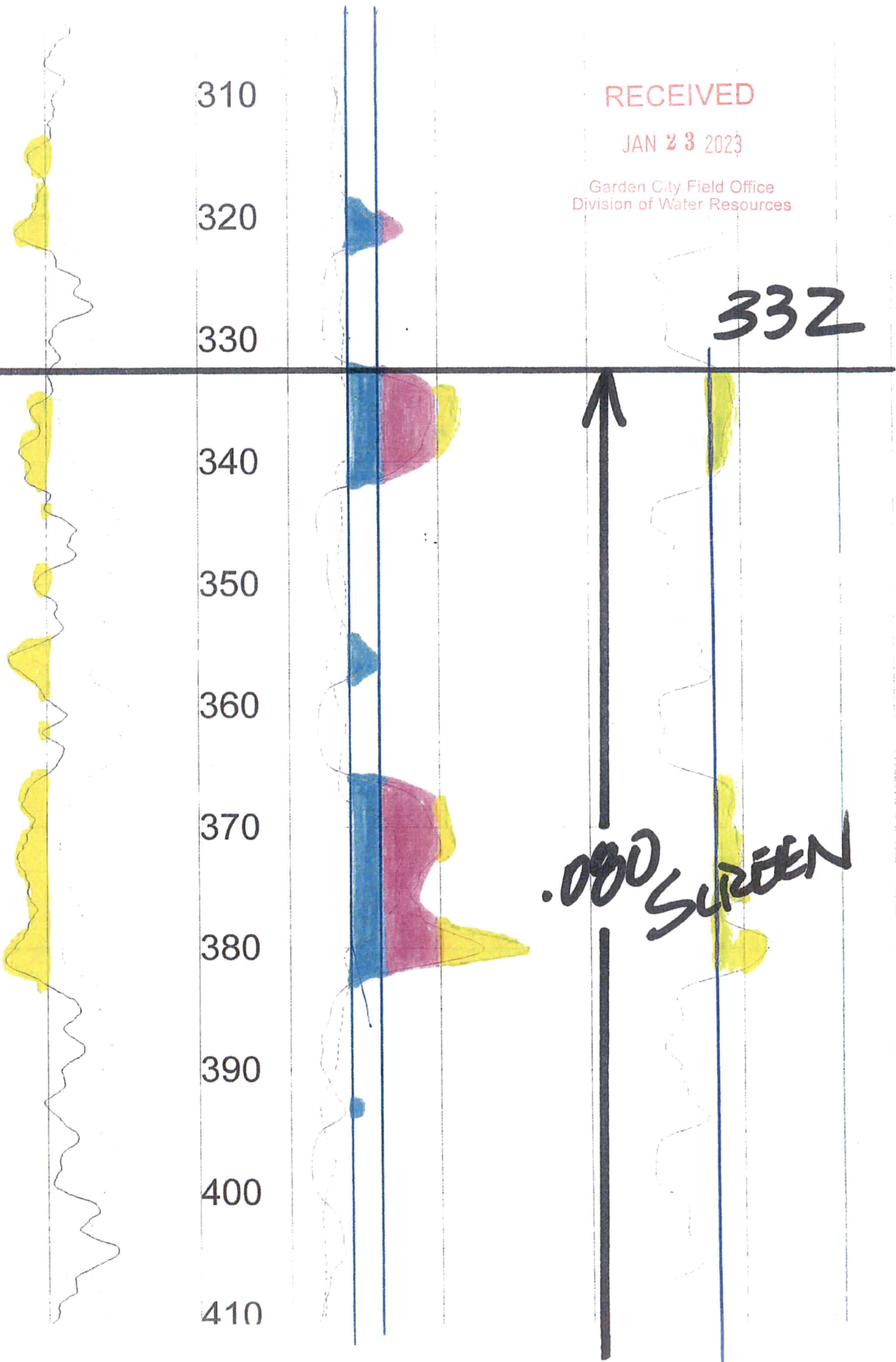
390

400

410



.090 SCREEN



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Garden City Field Office  
Division of Water Resources

420

430

440

450

460

470

480

490

500

510

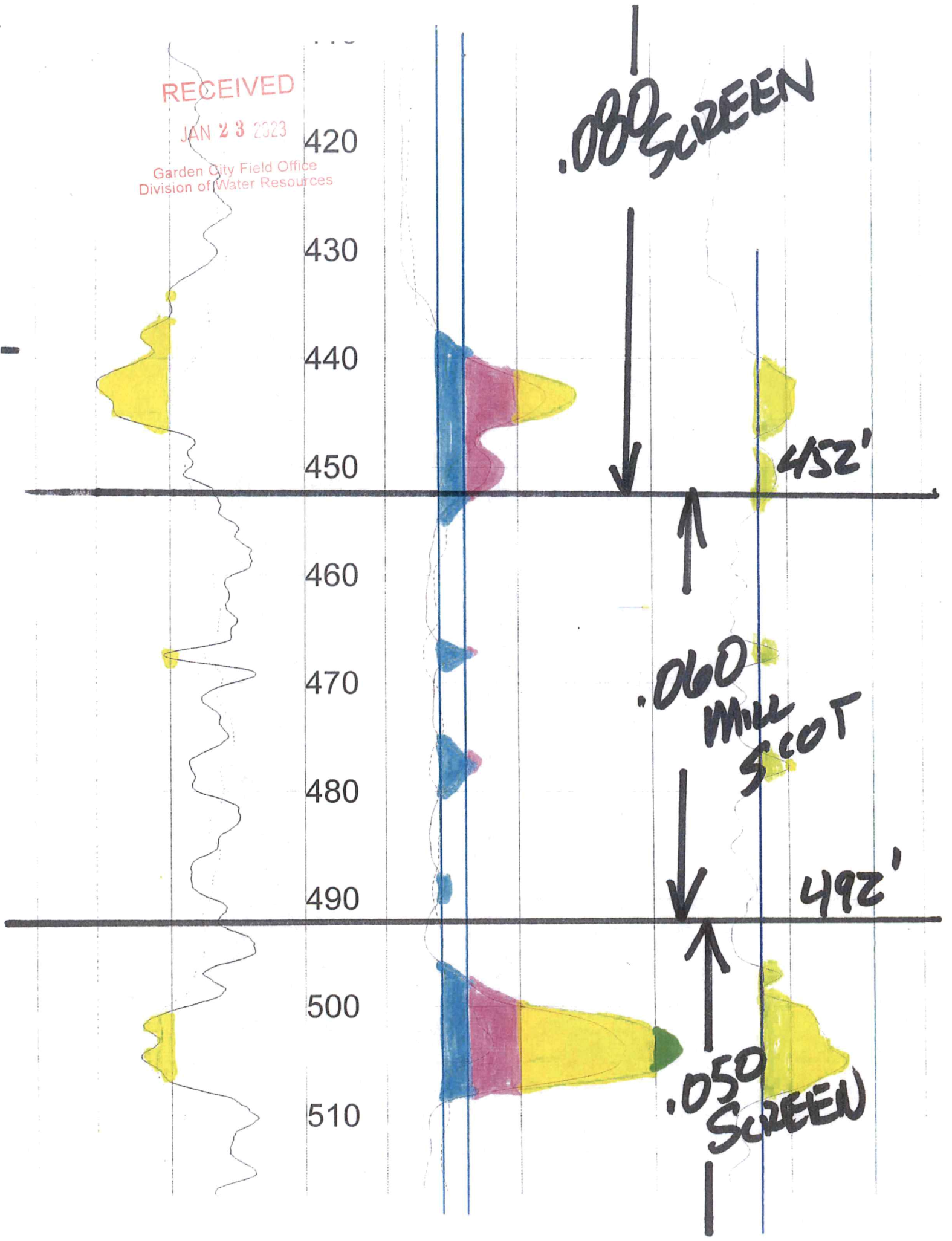
.080 SCREEN

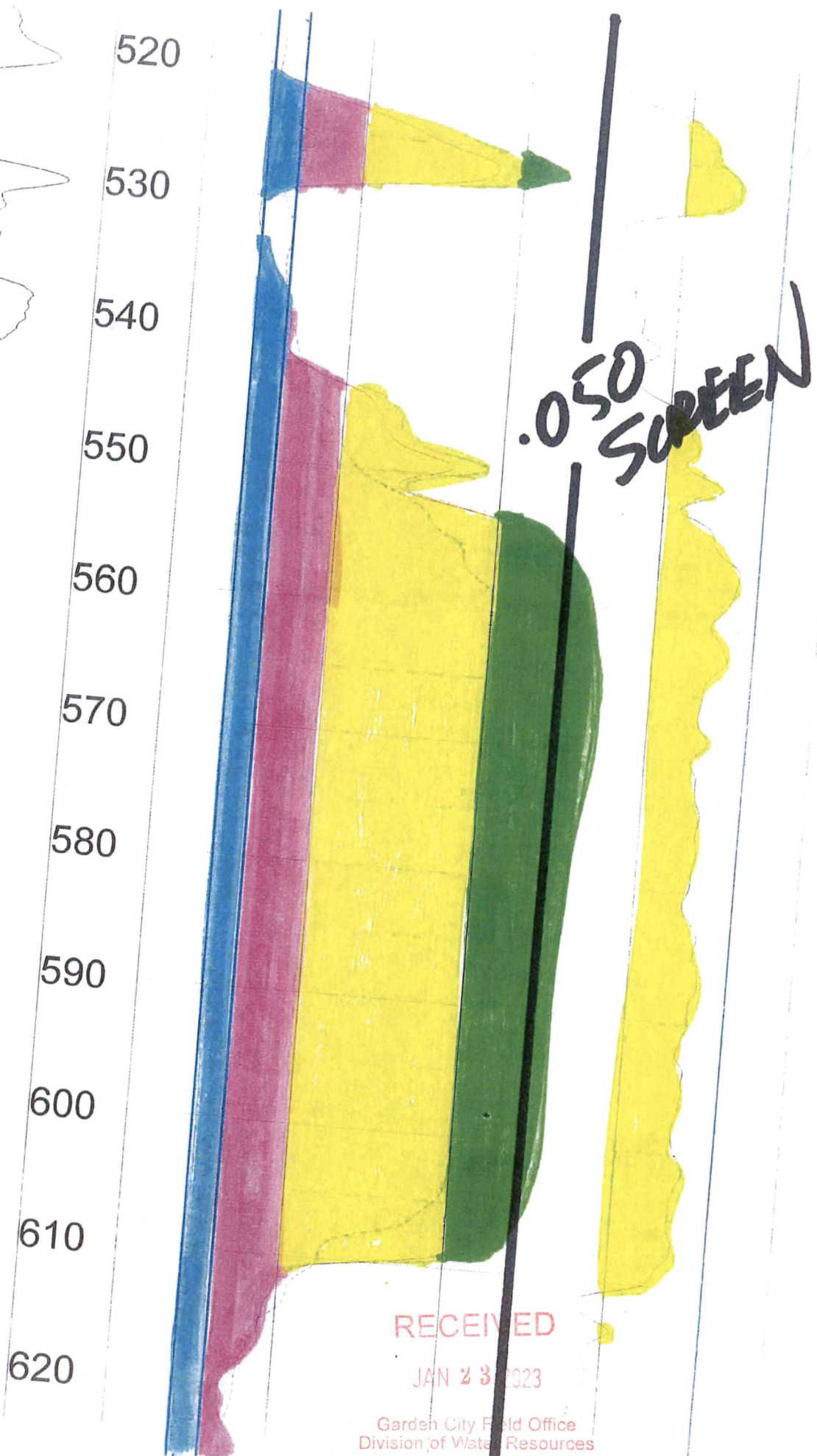
452'

.060 MILL SCOT

492'

.050 SCREEN



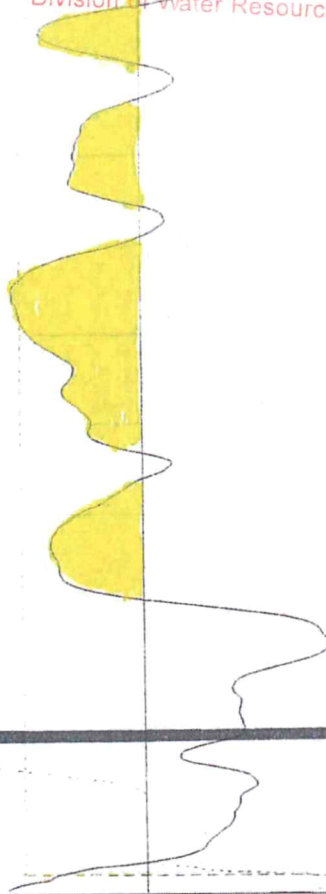


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Division of Water Resources

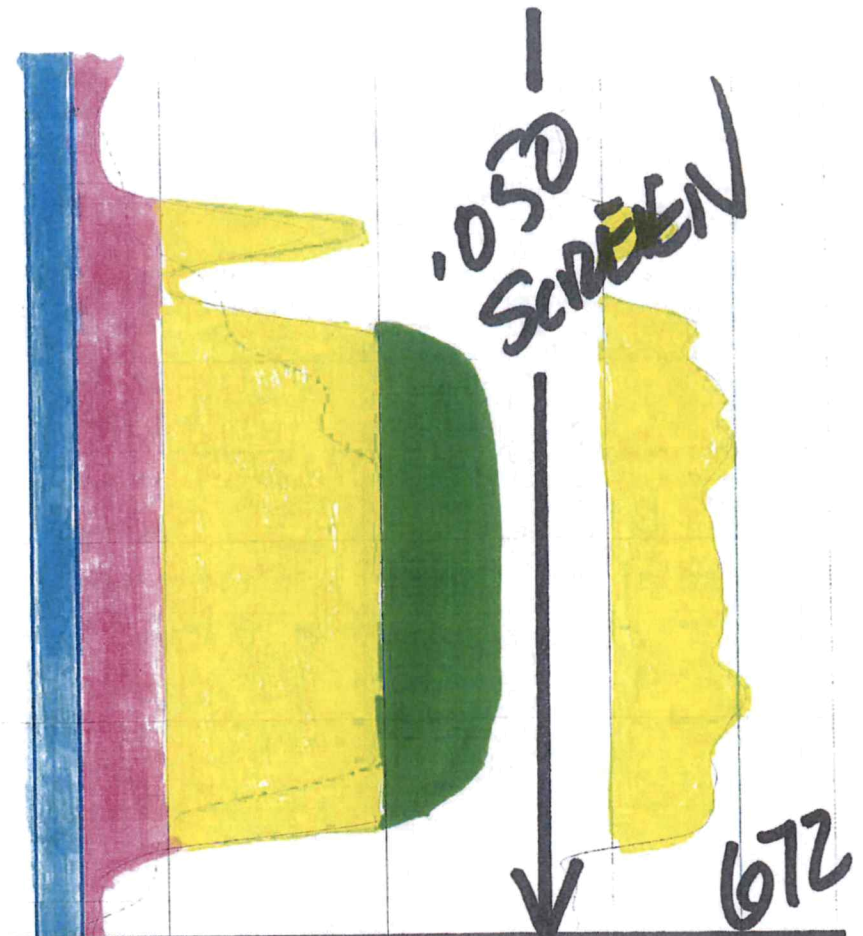
RECEIVED

JAN 23 2023

Garden City Field Office  
Division of Water Resources



630  
640  
650  
660  
670  
680



Sump

1050  
SCREEN

672

682'

0	API-GR	200	0	OHM-M	1000	OHM	100
	GAMMA			RES(16N)		RES	
-50	MV	50	0	OHM-M	10060	DEG_F	70
	SP			RES(64N)		TEMP	
10	OHM-M	20	0	OHM-M	100		
	RES(FL)			LATERAL			
		FEET					

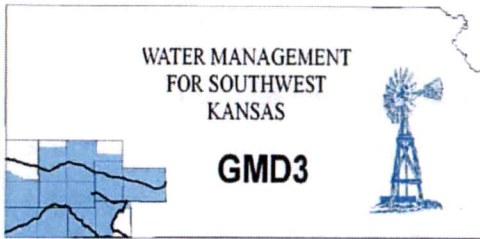
TOOL CALIBRATION TRIPLE G GRAHAM 04/29/20 19:57  
TOOL 8144A TM VERSION 1  
SERIAL NUMBER 365

	DATE	TIME	SENSOR		STANDARD		RESPONSE
1	Feb20,18	08:50:39	GAMMA	1.000	[API-GR ]	0.000	[CPS]
	Feb20,18	08:50:39	GAMMA	340.000	[API-GR ]	290.000	[CPS]
2	Feb20,18	08:50:53	RES(FL)	1.330	[OHM-M ]	7595.000	[CPS]
	Feb20,18	08:50:53	RES(FL)	42.720	[OHM-M ]	64820.000	[CPS]
3	May23,19	12:15:28	SP	0.000	[MV ]	326670.000	[CPS]
	May23,19	12:15:28	SP	390.000	[MV ]	160725.000	[CPS]
4	May23,19	12:16:04	RES(16N)	0.000	[OHM-M ]	3440.000	[CPS]
	May23,19	12:16:04	RES(16N)	1954.000	[OHM-M ]	448025.000	[CPS]
5	May23,19	12:16:26	RES(64N)	0.000	[OHM-M ]	2850.000	[CPS]
	May23,19	12:16:26	RES(64N)	1989.000	[OHM-M ]	448064.000	[CPS]
6	Feb20,18	08:50:45	TEMP	33.400	[DEG_F ]	66910.000	[CPS]
	Feb20,18	08:50:45	TEMP	102.300	[DEG_F ]	270930.000	[CPS]
7	May23,19	12:17:01	RES	0.000	[OHM ]	21322.000	[CPS]
	May23,19	12:17:01	RES	943.000	[OHM ]	189850.000	[CPS]

RECEIVED

JAN 23 2023

Garden City Field Office  
Division of Water Resources



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

February 15, 2023

Austin McColloch  
Division of Water Resources  
4532 W Jones Ave., Suite B  
Garden City, Kansas 67846

RE: Application for Change in Point of Diversion  
Water Right, File No. 21764 D1

Dear Austin:

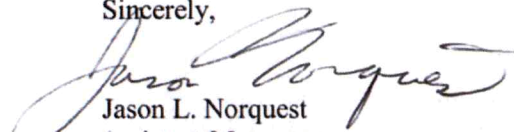
We have completed a review of the application for the above referenced water right. The proposed change in point of diversion is in accordance with current area rules, K.A.R. 5-23-3, as it pertains to minimum spacing to neighboring wells and distance moved.

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 (4.0 ft with saturated thickness is greater than 200ft), 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 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

## GMD3 Change Review

---

File No(s): 21764 D1.

DWR office: GC.

App filed to change: PD.

Is Landowner(s) correct in WRIS: Graham Farms Inc.

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) 06 being changed.

	ft. North	ft. West	
Authorized PD	3500	4065	Sect 22-25-35
Proposed PD	5113	4493	
Difference	-1613 n	-428 w	
$a^2 + b^2 = c^2$	2601769	183184	1668.818 foot move NW

GPS for proposed PD: Lat: 37.871819 Long: -101.1561.

Is proposed PD stacking on existing WRs? No.

Is Proposed PU overlapping existing WRs? No Change.

Neighboring certified well(s) notified:   .

Name David K & Connie J Goertzen Trust (21716).

Address 1892 Road 105.

Zip Lakin, KS 67860.

Email: [dj4849@gmail.com](mailto:dj4849@gmail.com) Phone: 620-272-4993.

Name Graham Farms Inc (24608).

Address 2150 Road 220.

Zip Deerfield, KS 67838.

Email: [cweatherred@gmail.com](mailto:cweatherred@gmail.com) Phone: 620-272-3074.

Domestic well(s) notified:   .

Name   .

Address   .

Zip   .

Base Acres:   .

Perfected Acres:   .

Irr. Return-Flow   %

**Kearny County**

**Authorized: 272AF @ 1075gpm**

**Average WUR (2012-2021): 208.6AF/year**

**Current well around 460'**

**Proposed depth of well is 682'**

---

## GMD3 Change Review

---

Is a waiver needed: Move is less than half mile. Appears minimum spacing to neighboring wells is met. Analysis showed none of the neighboring wells exceeded minimum allowed effects, no critical wells.

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



Water Rights and Points of Diversion Within 1 mile of point defined as:

5113 Feet N and 4493 Feet W of the Southeast Corner of Section 22 Twp 25S Rng 35W  
 Located at: 101.156101 West Longitude and 37.871820 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	20935 00	IRR	NK	G	4202	--	--	NC NW	3960	3960	15	25	35W	1		272.00	272.00
A__ AF	21759 D1	IRR	NK	G	2531	--	--	NC SE	1320	1350	16	25	35W	4		272.00	272.00
Same AF					4561	--	--	NC NE	3930	1320	16	25	35W	1		272.00	272.00
Same AF					4864	--	--	NC SW	1265	3960	16	25	35W	5		272.00	272.00
A__ AF	21760 00	IRR	NK	G	2395	--		NW NW SW	2170	4829	15	25	35W	7		272.00	272.00
Same AF					3531	--		SE NW SE	1335	1366	15	25	35W	6		272.00	272.00
A__ AF	21761 00	IRR	NK	G	3986	--		NW NW SE	2476	2236	21	25	35W	8		272.00	272.00
A__ AF	21764 D1	IRR	NK	G*	1670	--		NE SW NW	3500	4065	22	25	35W	6		272.00	272.00
Same AF					2558	--		SW NW NE	4233	2091	22	25	35W	9		272.00	272.00
A__ AF	21764 DB	IRR	NK	G	4418	--		NW NE SE	2265	1125	22	25	35W	7		272.00	272.00
A__ AF	24608 00	IRR	NK	G	2347	--		NC NE	3960	1320	21	25	35W	3		272.00	272.00
Same AF					5204	--		NE SW NW	3915	4340	21	25	35W	6		272.00	272.00

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) =	3264.00	.00
Total Vested Amount (AF) =	.00	.00
TOTAL AMOUNT (AF) =	3264.00	.00

*Minimum Spacing  
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:

5113 Feet North and 4493 Feet West of the Southeast Corner of Section 22 Twp 25S Rng 35W  
 Located at: 101.156101 West Longitude and 37.871820 North Latitude  
 Both SURFACE WATER and GROUNDWATER  
 WATER USE CORRESPONDENTS:

File Number	Use	ST	SR
> GRAHAM FARMS INC			
>			
> 2150 ROAD 220			
> DEERFIELD KS 67838			
-----			
> GRAHAM FARMS INC			
>			
> 2150 ROAD 220			
> DEERFIELD KS 67838			

*20935 Application*  
*21759D1 ↓*

>-----  
> GRAHAM FARMS INC  
>  
> 2150 ROAD 220  
> DEERFIELD KS 67838

21760 Applicant

>-----  
> DAVID K & CONNIE J GOERTZEN TRUST  
>  
> 1892 ROAD 105  
> LAKIN KS 67860

21761

>-----  
> GRAHAM FARMS INC  
>  
> 2150 ROAD 220  
> DEERFIELD KS 67838

21764D1 Application

>-----  
> GRAHAM FARMS INC  
>  
> 2150 ROAD 220  
> DEERFIELD KS 67838

21764DB Applicant

>-----  
> GRAHAM FARMS INC  
>  
> 2150 ROAD 220  
> DEERFIELD KS 67838  
>-----

217606

|



21759 ID4: Drawdown from current location = 0.37 ft  
Drawdown from proposed location = 0.84 ft  
Net drawdown = **0.5 ft**

21759 ID5: Drawdown from current location = 0.30 ft  
Drawdown from proposed location = 0.49 ft  
Net drawdown = **0.2 ft**

20935: Drawdown from current location = 0.31 ft  
Drawdown from proposed location = 0.550 ft  
Net drawdown = **0.2 ft**

21760 ID6: Drawdown from current location = 0.38 ft  
Drawdown from proposed location = 0.64 ft  
Net drawdown = **0.3 ft**

21760 ID7: Drawdown from current location = 0.38 ft  
Drawdown from proposed location = 0.88 ft  
Net drawdown = **0.5 ft**

24608 ID3: Drawdown from current location = 0.47 ft  
Drawdown from proposed location = 0.89 ft  
Net drawdown = **0.4 ft**

24608 ID6: Drawdown from current location = 0.31 ft  
Drawdown from proposed location = 0.47 ft  
Net drawdown = **0.2 ft**

21761: Drawdown from current location = 0.39 ft  
Drawdown from proposed location = 0.58 ft  
Net drawdown = **0.2 ft**

21764 ID7: Drawdown from current location = 0.44 ft  
Drawdown from proposed location = 0.52 ft  
Net drawdown = **0.1 ft**

21764 ID9: Drawdown from current location = 0.55 ft  
Drawdown from proposed location = 0.83 ft  
Net drawdown = **0.3 ft**

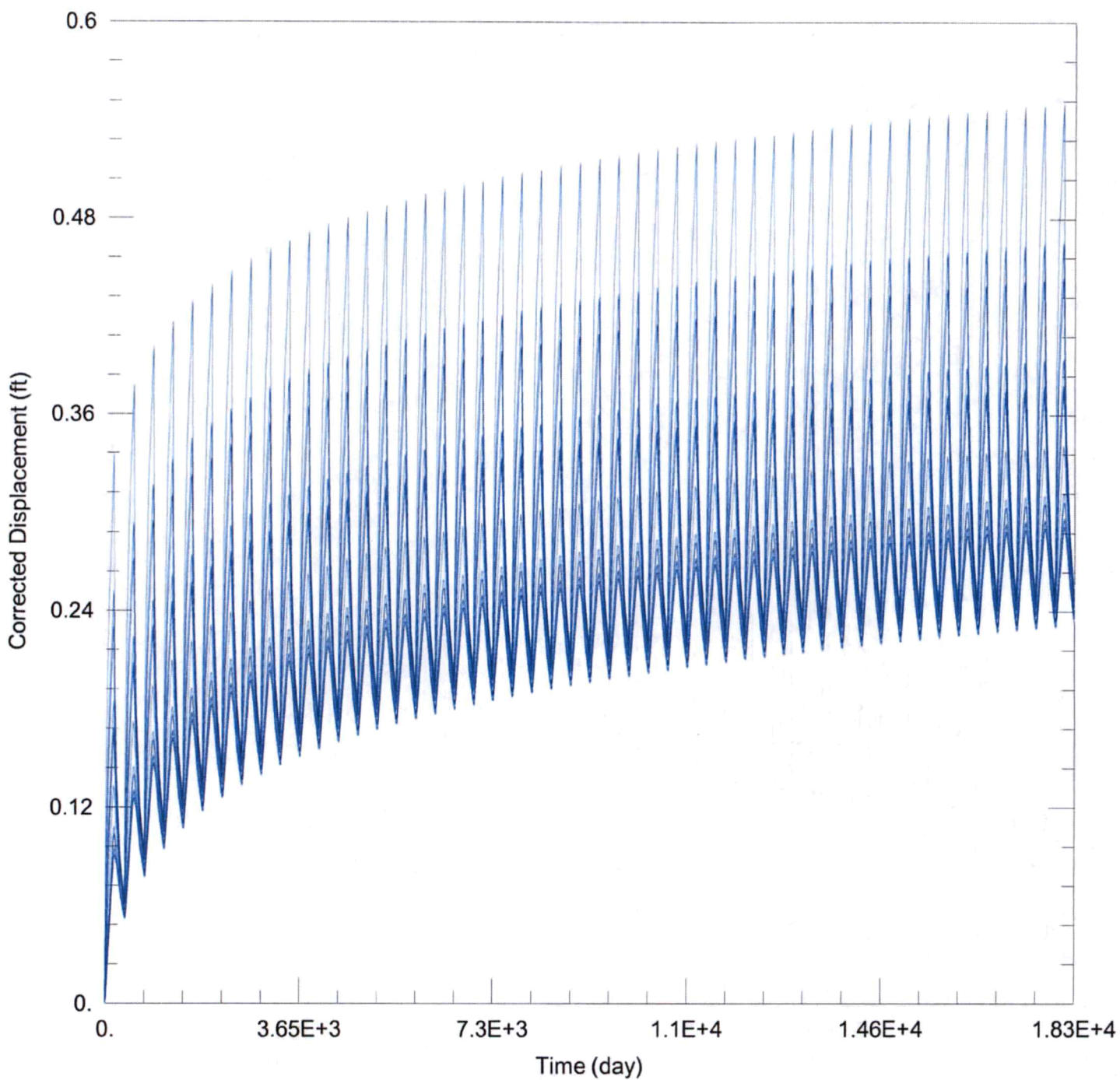
Domestic 16-25-35: Drawdown from current location = 0.30 ft  
Drawdown from proposed location = 0.52 ft  
Net drawdown = **0.2 ft**

Domestic 15-25-35: Drawdown from current location = 0.34 ft  
Drawdown from proposed location = 0.63 ft  
Net drawdown = **0.3 ft**

Net drawdown does not exceed the drawdown allowance of 4.0 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\21764\21764 Current.aqt  
 Date: 02/08/23 Time: 15:45:30

**PROJECT INFORMATION**

Company: GMD 3  
 Project: 21764 D1  
 Location: Kearny County

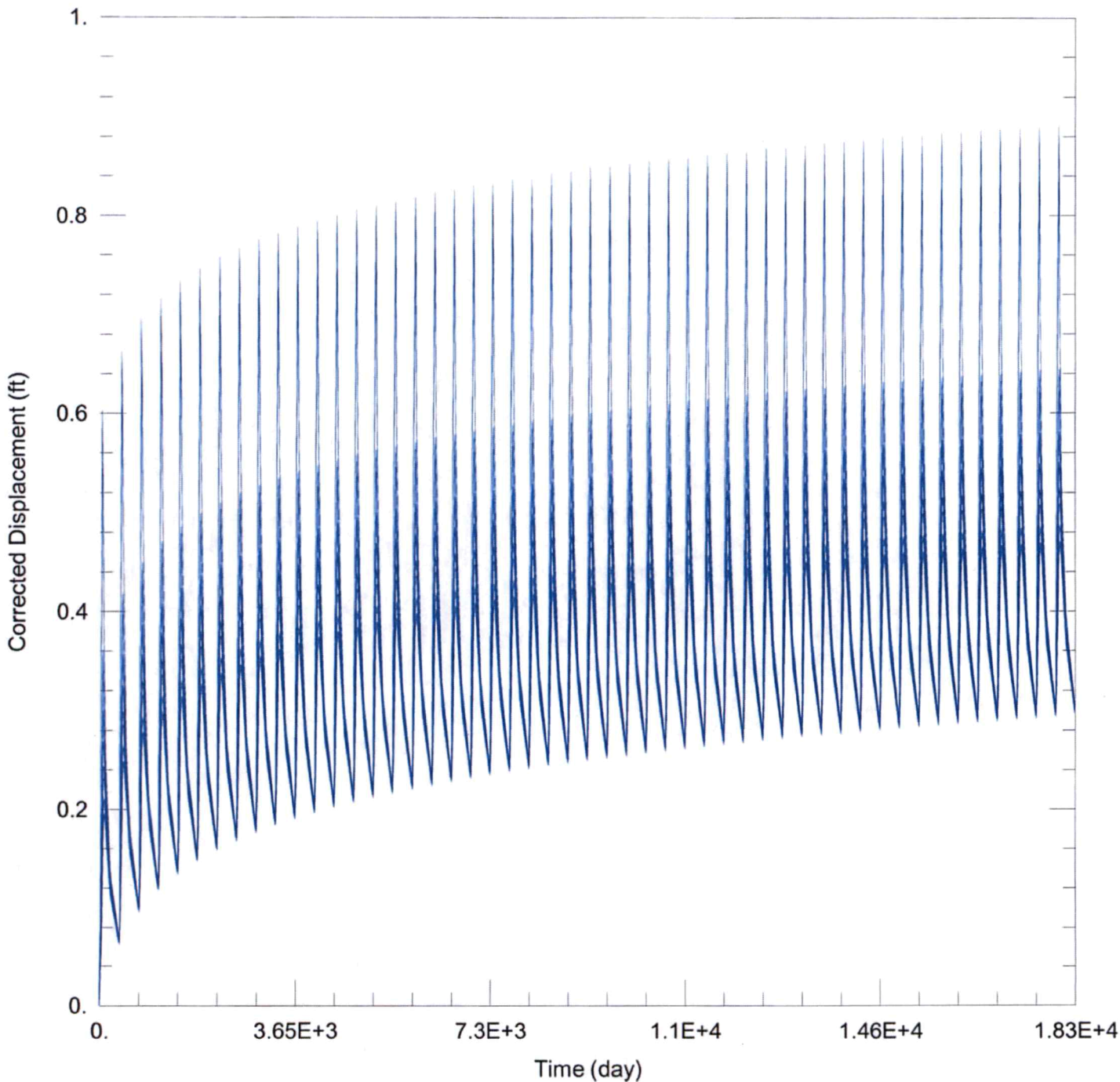
**WELL DATA**

**Pumping Wells**

Well Name	X (ft)	Y (ft)
21764 ID6	-102301	361534

**Observation Wells**

Well Name	X (ft)	Y (ft)
□	-102301	361534



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2023\_moves\21764\21764 Proposed.aqt  
 Date: 02/08/23 Time: 15:45:21

PROJECT INFORMATION

Company: GMD 3  
 Project: 21764 D1  
 Location: Kearny County

WELL DATA

Pumping Wells			Observation Wells		
Well Name	X (ft)	Y (ft)	Well Name	X (ft)	Y (ft)
21764 ID6	-102953	363157	□	-102953	363157

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

Mike Beam, Secretary



Phone: 620-276-2901  
Fax: 620-276-9315  
[www.agriculture.ks.gov](http://www.agriculture.ks.gov)

Laura Kelly, Governor

February 1, 2023

GROUNDWATER MANAGEMENT DISTRICT #3  
2009 E SPRUCE ST  
GARDEN CITY KS 67846

Re: Request for Recommendation,  
File No. 21764-D1

Dear Sir or Madam:

We are enclosing a copy of the referenced application, which was submitted by Graham Farms and appears to be in proper form, for your review.

We are delaying any further action for a period of 15 days from the date of this letter to allow you time to submit your recommendation concerning this application. Please submit your recommendation within the allotted time, or any authorized extension of time thereof.

If you have any questions, please contact me at (620) 276-2901. If you wish to discuss a specific file, please have the file number ready to that I may help you more efficiently.

Sincerely,

A handwritten signature in blue ink that reads "Austin McColloch".

Austin McColloch  
Assistant Water Commissioner

Enclosure  
pc:



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

Mike Beam, Secretary



Phone: 620-276-2901  
Fax: 620-276-9315  
[www.agriculture.ks.gov](http://www.agriculture.ks.gov)

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February 1, 2023

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Austin McColloch  
Assistant Water Commissioner

Enclosure  
pc: