

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

|                                 |                        |                             |                              |                     |
|---------------------------------|------------------------|-----------------------------|------------------------------|---------------------|
| 1. File Number:<br><b>22373</b> | 2. Status Change Date: | 3. Change Num:<br><b>C3</b> | 4. Field Office:<br><b>4</b> | 5. GMD:<br><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:<br><b>10/31/2019</b> |
|--|--|

|  |  |
|--|--|
| 8a. Applicant(s)<br>New to system <input type="checkbox"/> Person ID <b>6372</b><br>Add Seq# _____<br><br><b>GRAHAM FARMS INC</b><br><b>2150 ROAD 220</b><br><b>DEERFIELD, KS 67838-9513</b> | 8c. Landowner(s)<br>New to system <input type="checkbox"/> Person ID _____<br>Add Seq# _____ |
|--|--|

|   |  |
|---|--|
| 8b. Landowner(s)<br>New to system <input type="checkbox"/> Person ID _____<br>Add Seq# _____<br><br><b>8a</b> | 8d. WUC<br>New to system <input type="checkbox"/> Person ID _____<br>Add Seq# _____<br><br><b>8a</b> |
|---|--|

9. Documents and Enclosure(s):  DWR Meter(s) Date to Comply: **12/31/2020**     N & P Date to Comply: **12/31/2021**

Anti-Reverse Meter     Meter Seal     Check Valve     N & P Form     Water Tube     Driller Copy     H & E Letter  
 Conservation Plan    Date Required: \_\_\_\_\_    Date Approved: \_\_\_\_\_    Date to Comply: \_\_\_\_\_

10. Use Made of Water    From: \_\_\_\_\_    To: \_\_\_\_\_

Date Prepared: **12/11/2019** By: **AM**  
 Date Entered: \_\_\_\_\_ By: \_\_\_\_\_



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

December 12, 2019

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

RE: Water Right, File No. 22373

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,

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

Austin J. McColloch  
Assistant Water Commissioner

AM:  
enclosures

pc:  
GROUNDWATER MANAGEMENT DISTRICT NO. 3

**CERTIFICATE OF SERVICE**

On this 12<sup>th</sup> day of December, 2019, I hereby certify that the foregoing Approval of Application for Change in Point of Diversion, Water Right, File No. 22,373 dated 12<sup>th</sup> day of December, 2019 was mailed postage prepaid, first class, US mail to the following:

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

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.

File No. 22373

RECEIVED  
 10:30 Am  
 OCT 31 2019

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: (620)272-3074

Email address: cweatherred@gmail

Name and address of Water Use Correspondent: Same

Phone Number: (    )

Email address:

3. The presently authorized place of use is:

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 |             |
|      |      |       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |             |
|      |      |       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |             |

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: \_\_\_\_\_

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 # \_\_\_\_\_ Receipt Date 10-31-19 Check # 5022

5. **Presently authorized point of diversion:**  
 One in the NE Quarter of the NE Quarter of the NE Quarter of Section 27, Township 25 South, Range 35 (W), in KE County, Kansas, 5187 feet North 49 feet West of Southeast corner of section.  
 Authorized Rate          Authorized Quantity          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 SE Quarter of the SE Quarter of the NE Quarter of Section 27, Township 25 South, Range 35 (W), in KE County, Kansas, 2905 feet North 280 feet West of Southeast corner of section.  
 Proposed Rate          Proposed Quantity          Proposed well depth (feet) 625  
 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 SE Quarter of the SE Quarter of the NW Quarter of Section 27, Township 25 South, Range 35 (W), in KE County, Kansas, 2652 feet North 2755 feet West of Southeast corner of section.  
 Authorized Rate          Authorized Quantity          Depth of well          (feet)  
 (DWR use only: Computer ID No. 07 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)           
        

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

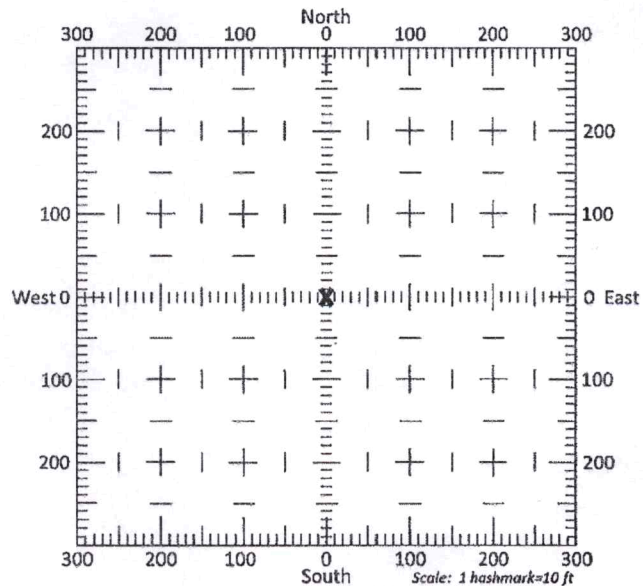
9. The change(s) (was)(will be) completed by?  
        

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

11. Groundwater Management District recommendation attached?  
 Yes  No

12. Assisted by mi/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. 22373.

1. A change application was received on OCTOBER 31, 2019 requesting that the place of use and / or point of diversion authorized under the above-referenced file number be changed as described in the application.
2. On and after the effective date of this summary order, the authorized place(s) of use shall be located substantially as shown on the topographic map accompanying the application to change the place of use.  Applicable  Not Applicable
3. The change in point of diversion shall not impair existing rights and shall be limited to the same source or sources of water as previously authorized. The point of diversion authorized by this summary order shall be located within a 50 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 — 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, 2020, 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, 2020, or within any authorized extension of time. By March 1, 2020, 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 McCulloch  
Duly Authorized Designee of the Chief Engineer

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

Date of Issuance: December 12, 2019

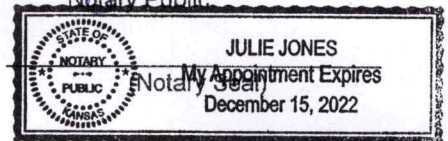
State of Kansas )

County of Finney ) SS

Acknowledged before me on December 12, 2019  
by Austin McCulloch

Signature: Julie Jones  
Notary Public

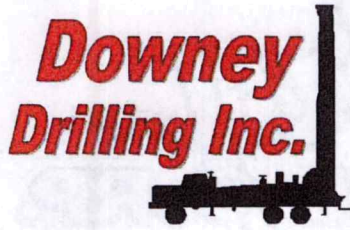
My commission expires: \_\_\_\_\_  
Notary Seal





# WELL LOG

DATE: 6/27/2019



TH #2

CUSTOMER NAME: GRAHAM FARMS

LEGAL: SENE 27-255-35W

COUNTY: KEARNEY CO

GPS: 37.851224 N

101.141014 W

DRILLER: ROCKY

WO: 19-377

| TW | FROM | TO  | TYPE   | HARDNESS   | COLOR       | SPEED       | PULL DOWN | OTHER / DRILLING ACTION            |
|----|------|-----|--|------------|-------------|-------------|-----------|------------------------------------|
|    | 0    | 10  | SILTY SAND, TOPSOIL  | SOFT       | BROWN       | FAST        |           |                                    |
|    | 10   | 20  | SANDY CLAY AND SILT  | SOFT       | BROWN       | FAST        |           |                                    |
|    | 20   | 142 | MEDIUM-COARSE VERY COARSE SAND, FINE-MEDIUM-COARSE GRAVEL    | SOFT       | RED         | FAST        |           | CHATTER                            |
|    | 142  | 205 | CLAY   | SEMI-STIFF | BLUE        | SLOWER      |           | SMOOTHER                           |
|    | 205  | 228 | CLAY, SANDY CLAY   | SOFTER     | BROWN       | SLOW        |           | SMOOTH                             |
|    | 228  | 242 | SAND, SANDY CLAY   | SOFTER     | BROWN       | FASTER      |           | SMOOTH                             |
|    | 242  | 278 | MEDIUM-COARSE VERY COARSE SAND, FINE TRACES OF MEDIUM GRAVEL | SOFT       | RED         | FAST        |           | CHATTER                            |
|    | 278  | 292 | FINE-MEDIUM GRAVEL   | SOFT       | RED         | FAST        |           | CHATTER                            |
|    | 292  | 306 | SANDY CLAY WITH MAG  | SOFT       | BROWN/WHITE | FAST        |           | SMOOTH                             |
|    | 306  | 326 | MEDIUM SAND, SANDY CLAY                                      | SOFT       | BROWN       | FAST        |           | SMOOTH                             |
|    | 326  | 341 | MEDIUM-COARSE SAND   | SOFT       | BROWN       | FAST        |           | SLIGHT CHATTER IN AND OUT, CHATTER |
|    | 341  | 382 | MEDIUM SAND, SANDY CLAY                                      | SOFT       | BROWN       | FAST        |           |                                    |
|    | 382  | 397 | MEDIUM-COARSE TRACES OF VERY COARSE SAND                     | SOFT       | BROWN       | FAST        |           | CHATTER                            |
|    | 397  | 411 | SANDY CLAY   | SOFT       | BROWN       | SLOWER      |           | SMOOTH                             |
|    | 411  | 440 | MEDIUM-COARSE VERY COARSE SAND, TRACES OF GRAVEL             | SOFT       | TAN         | FAST        |           | CHATTER                            |
|    | 440  | 444 | SANDY CLAY   | SOFT       | TAN         | FAST        |           | SMOOTH                             |
|    | 444  | 478 | MEDIUM-COARSE SAND, TRACES OF GRAVEL WITH BROWN ROCK         | SOFT       | TAN/BROWN   | FAST        |           | CHATTER                            |
|    | 478  | 484 | CLAY, SANDY CLAY   | SOFT       | BROWN       | SLOWER      |           | SMOOTHER                           |
|    | 484  | 592 | MEDIUM-COARSE SAND   | SOFT       | TAN         | FAST        |           | CHATTER                            |
|    | 592  | 596 | CLAY, SHALE  | STIFF      | GRAY        | SLOW        |           | SMOOTH                             |
|    | 596  | 602 | FINE SAND  | SOFT       | TAN         | FASTER      |           | SLIGHT CHATTER                     |
|    | 602  | 606 | SHALE  | STIFF      | GRAY        | SLOW        |           | SMOOTH                             |
|    | 606  | 619 | FINE SAND  | SOFTER     | TAN         | NOT AS SLOW |           |                                    |
|    | 619  | 640 | SHALE  | STIFF      | GRAY        | SLOW        |           | SMOOTH                             |
|    |      |     | QUIKGEL - 18   |            |             |             |           |                                    |
|    |      |     | SODA ASH - 1   |            |             |             |           |                                    |
|    |      |     | EZ MUD - 1   |            |             |             |           |                                    |
|    |      |     | BRAN - 4   |            |             |             |           |                                    |



# Century GEOPHYSICAL CORP.

## GRAHAM FARMS

COMPANY : DOWNEY DRILLING INC  
WELL : GRAHAM FARM  
LOCATION/FIELD : TH **#2**  
COUNTY : KEARNY  
LOCATION : SE NE  
SECTION : 27

OTHER SERVICES:

DATE : 06/27/1  
DEPTH DRILLER : 640  
LOG BOTTOM : 640.2  
LOG TOP : 0.1

TOWNSHIP : 25S RANGE : 35W

PERMANENT DATUM : GL

LOG MEASURED FROM: GL  
DRL MEASURED FROM: GL

KB :  
DF :  
GL :

CASING DIAMETER : 10.  
CASING TYPE :  
CASING THICKNESS:

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

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 : ORIGINA  
TYPE : 8144A  
LGDATE: 06/27/19  
LGTIME : 17:31:  
THRESH: 99999

37.851224  
101.141014

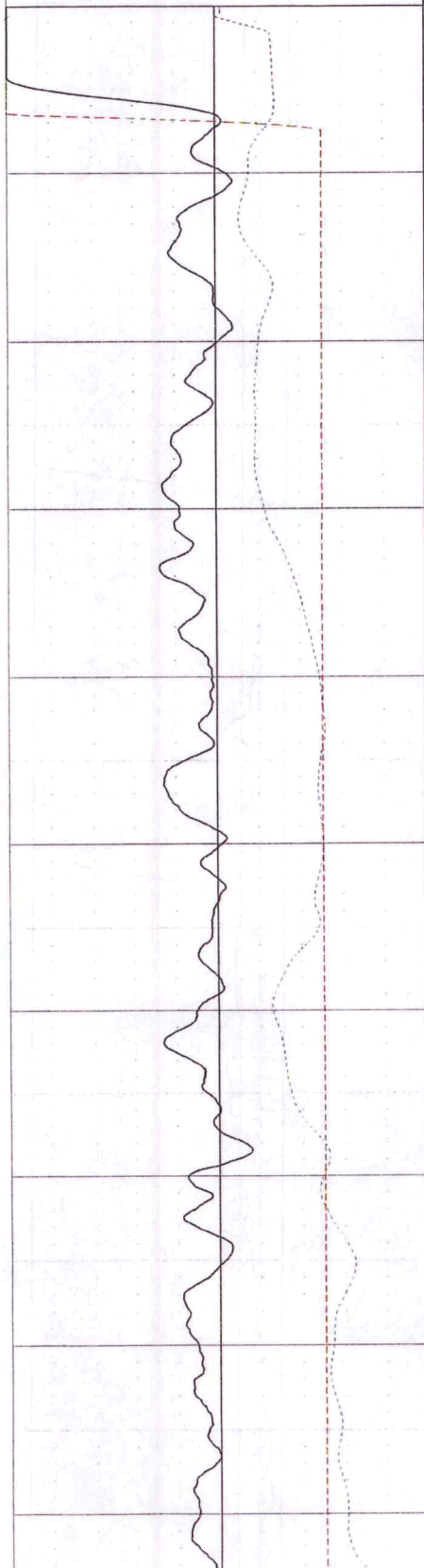
ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

|         |        |     |
|---------|--------|-----|
| RES(FI) |        |     |
| 5       | OHM-M  | 15  |
| SP      |        |     |
| -100    | MV     | 100 |
| GAMMA   |        |     |
| 0       | API-GR | 200 |

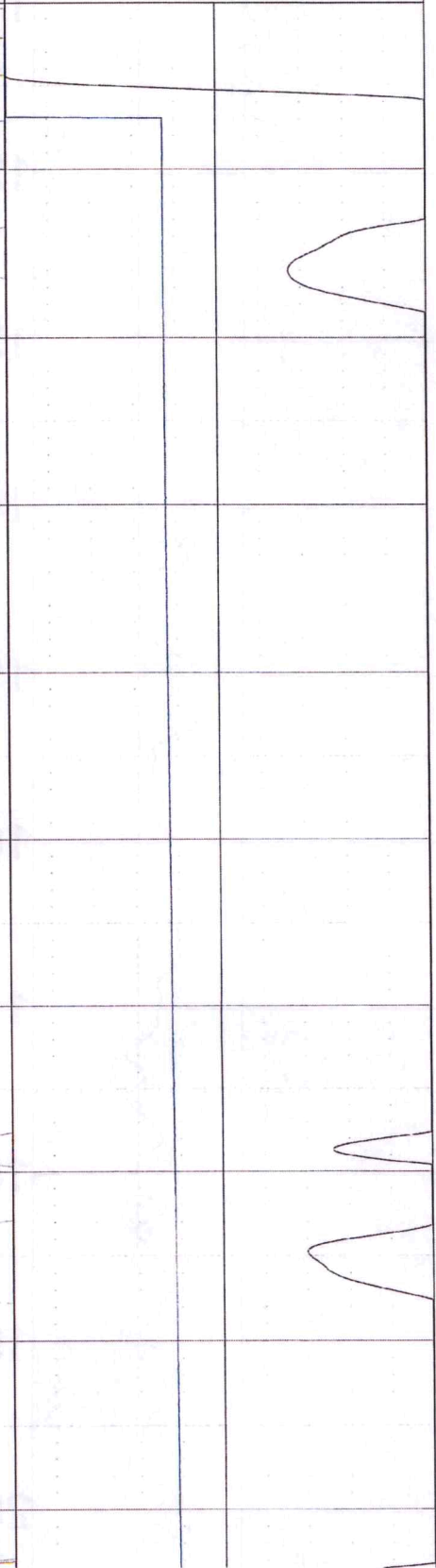
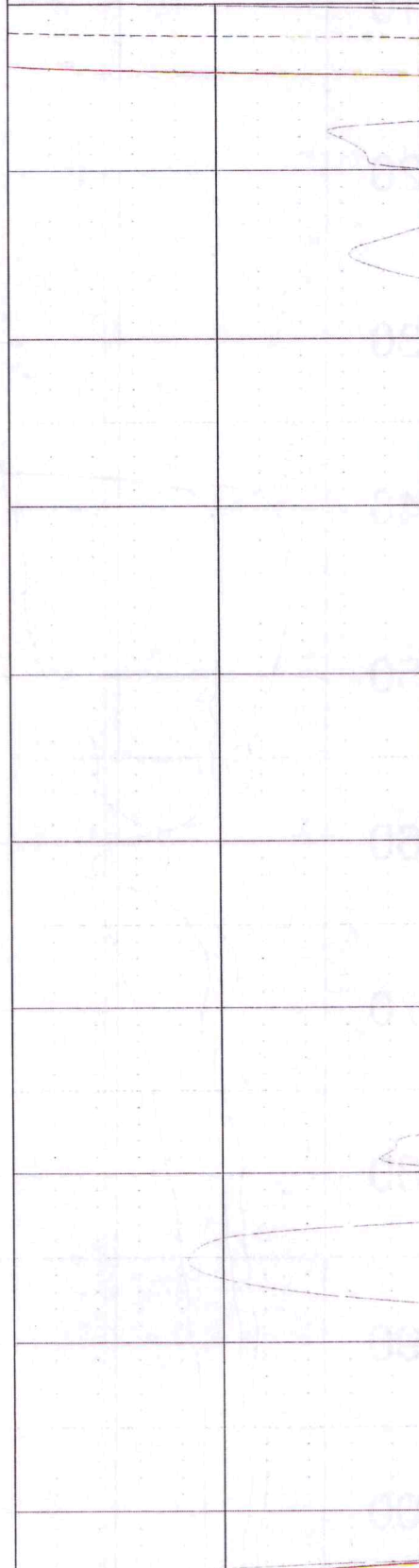
FEET

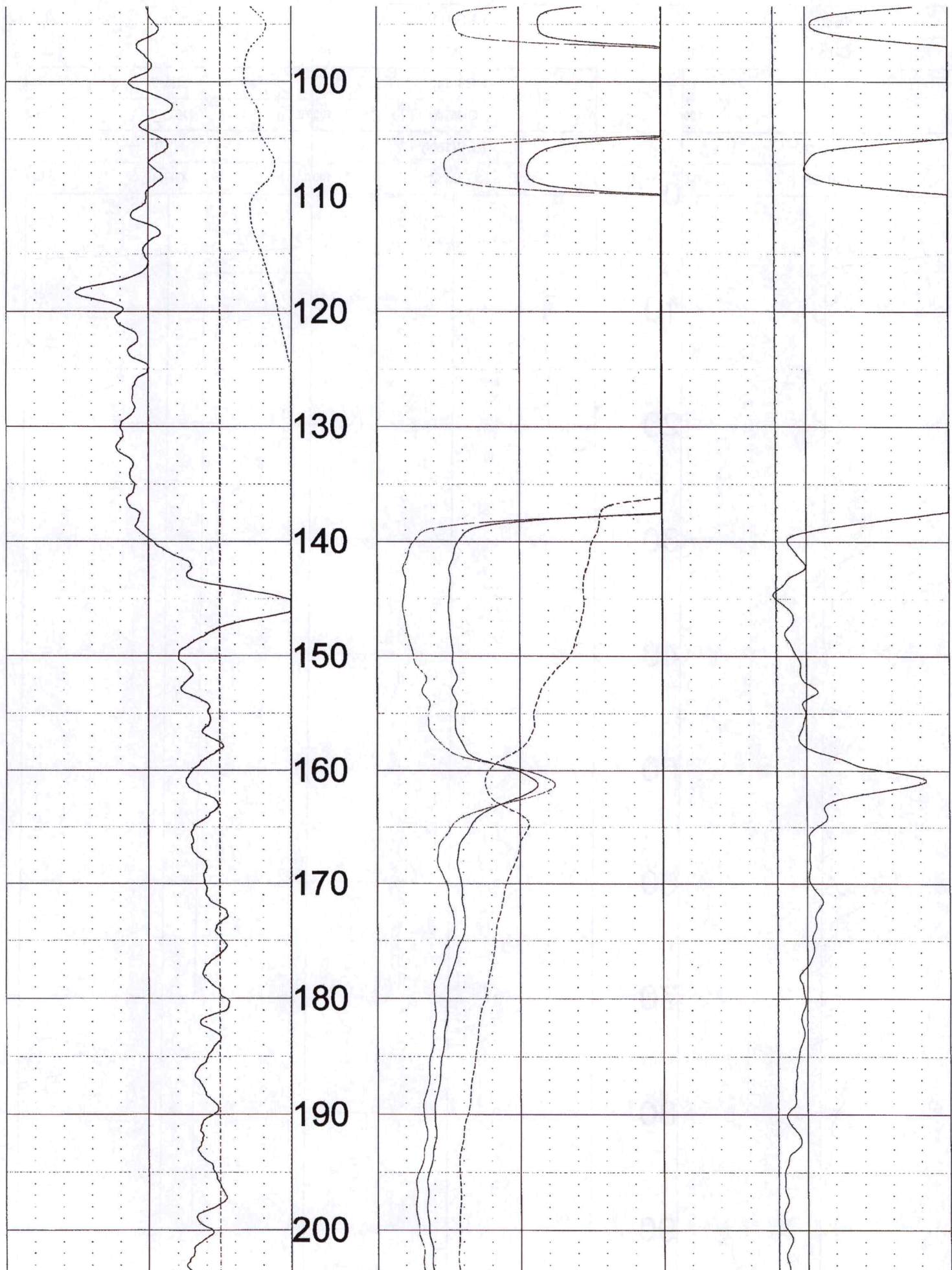
|          |       |      |
|----------|-------|------|
| LATERAL  |       |      |
| 0        | OHM-M | 100  |
| RES(64N) |       |      |
| 0        | OHM-M | 100  |
| RES(16N) |       |      |
| 0        | OHM-M | 1000 |

|      |       |     |
|------|-------|-----|
| TEMP |       |     |
| 0    | DEG_F | 80  |
| RES  |       |     |
| 0    | OHM   | 100 |



0  
10  
20  
30  
40  
50  
60  
70  
80  
90





210

220

230

240

250

260

270

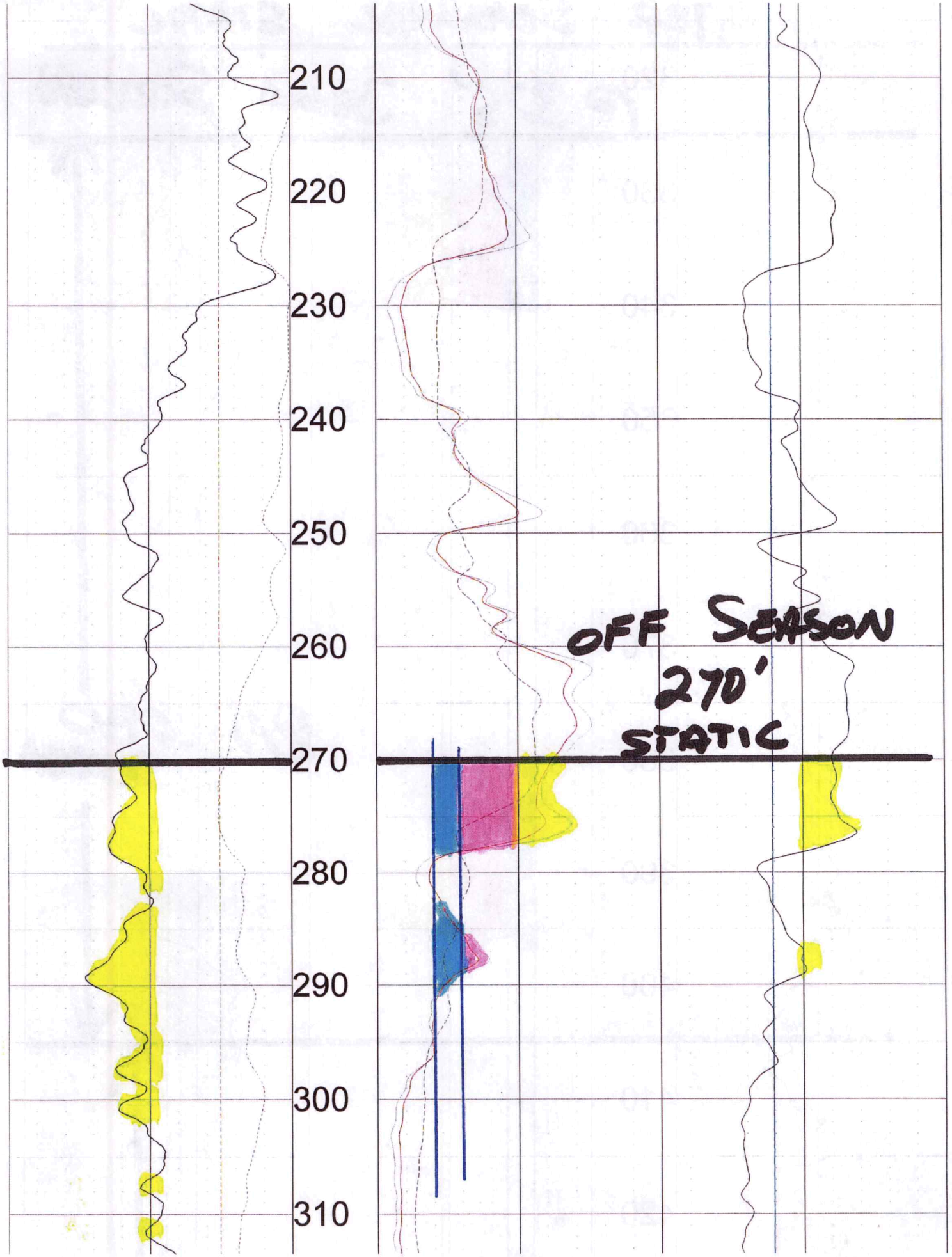
280

290

300

310

OFF SEASON  
270'  
STATIC



IRR

SEASONAL

STATIC

320

@ 325' BEGIN SCREEN

330

340

350

360

370

380

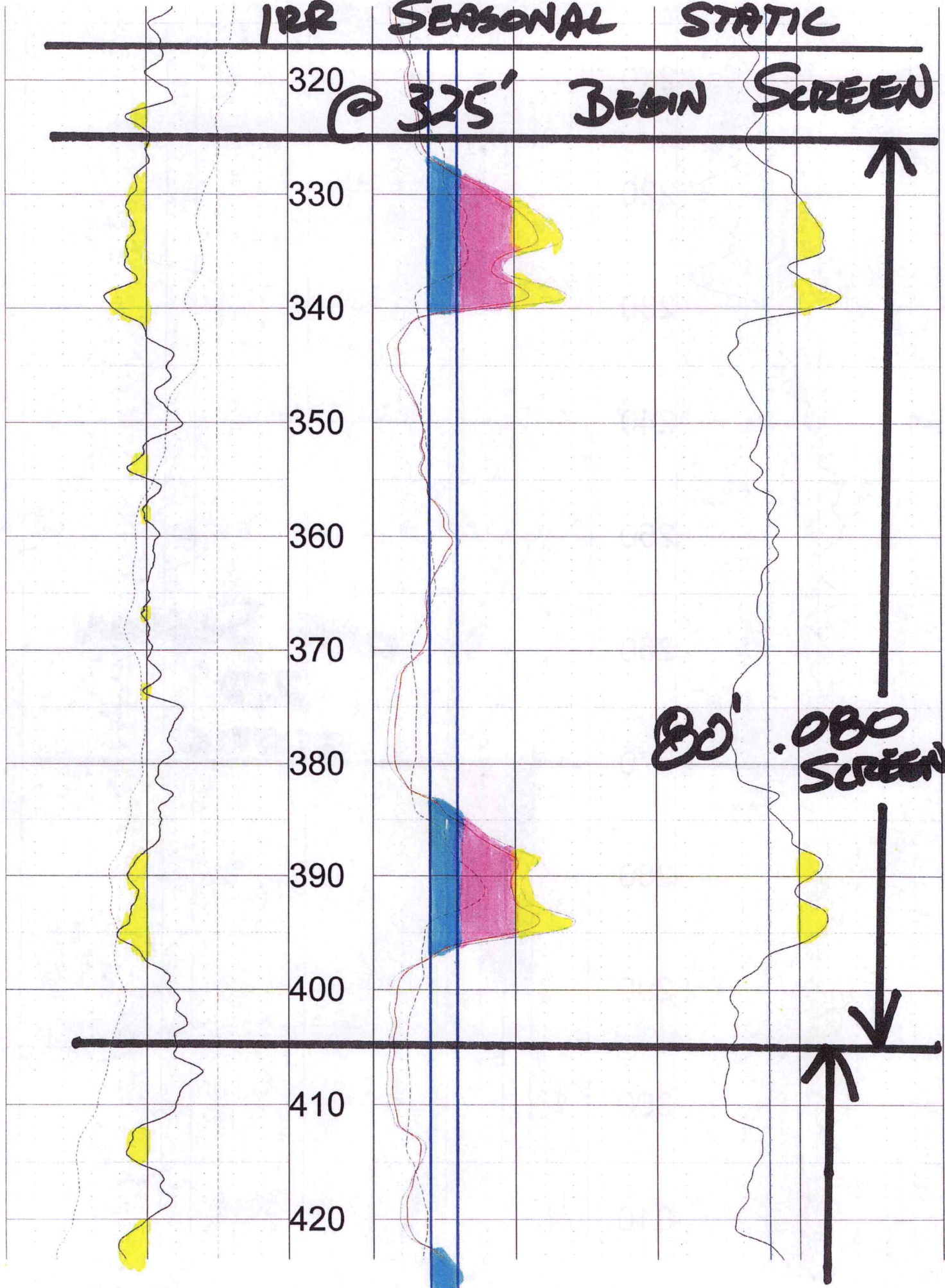
390

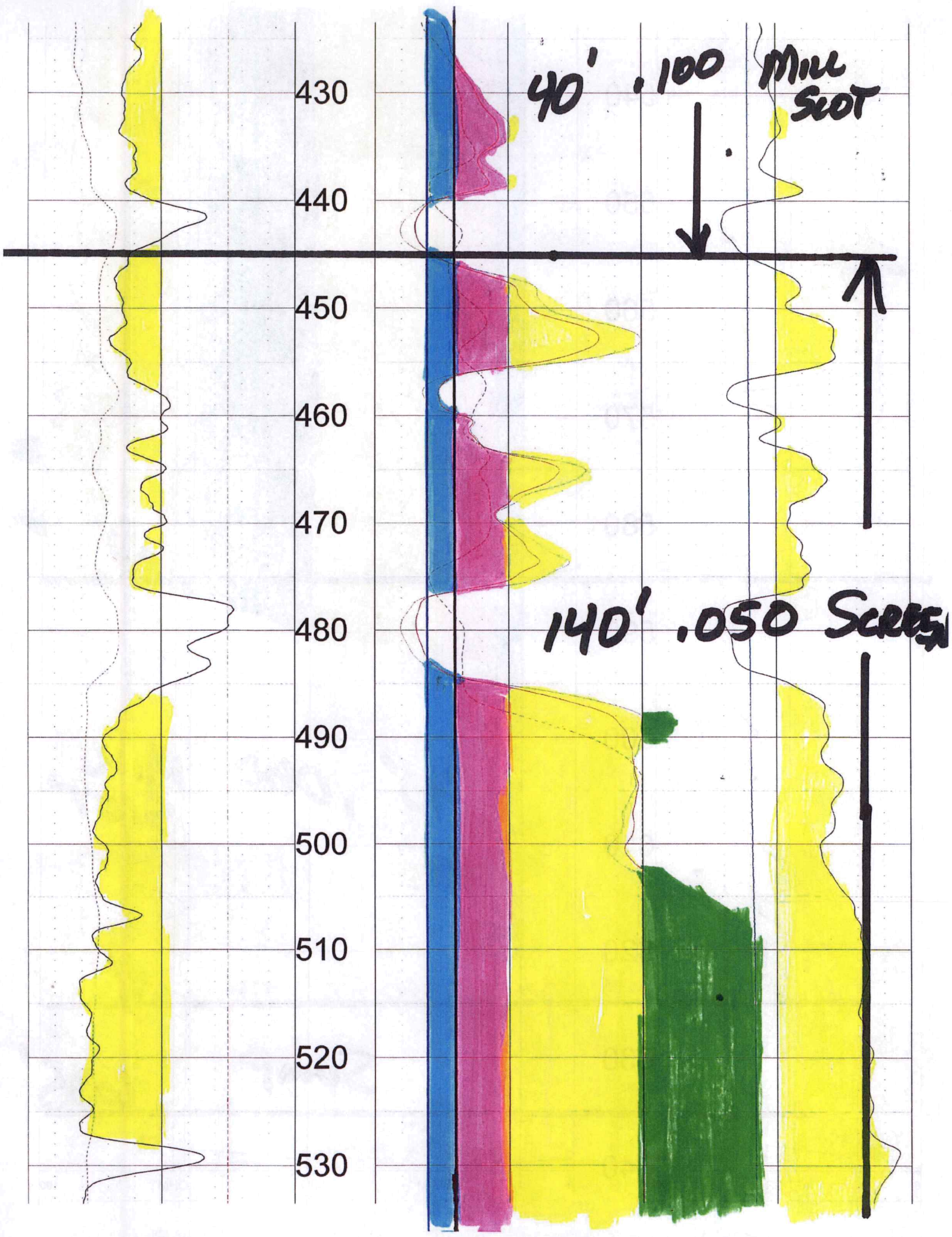
400

410

420

80' OBO SCREEN





540

550

560

570

580

590

600

610

620

630

640



40' .060

MILL  
SLOT

Sump

635'

API-GR

200

OHM-M

1000

OHM

100

0

0

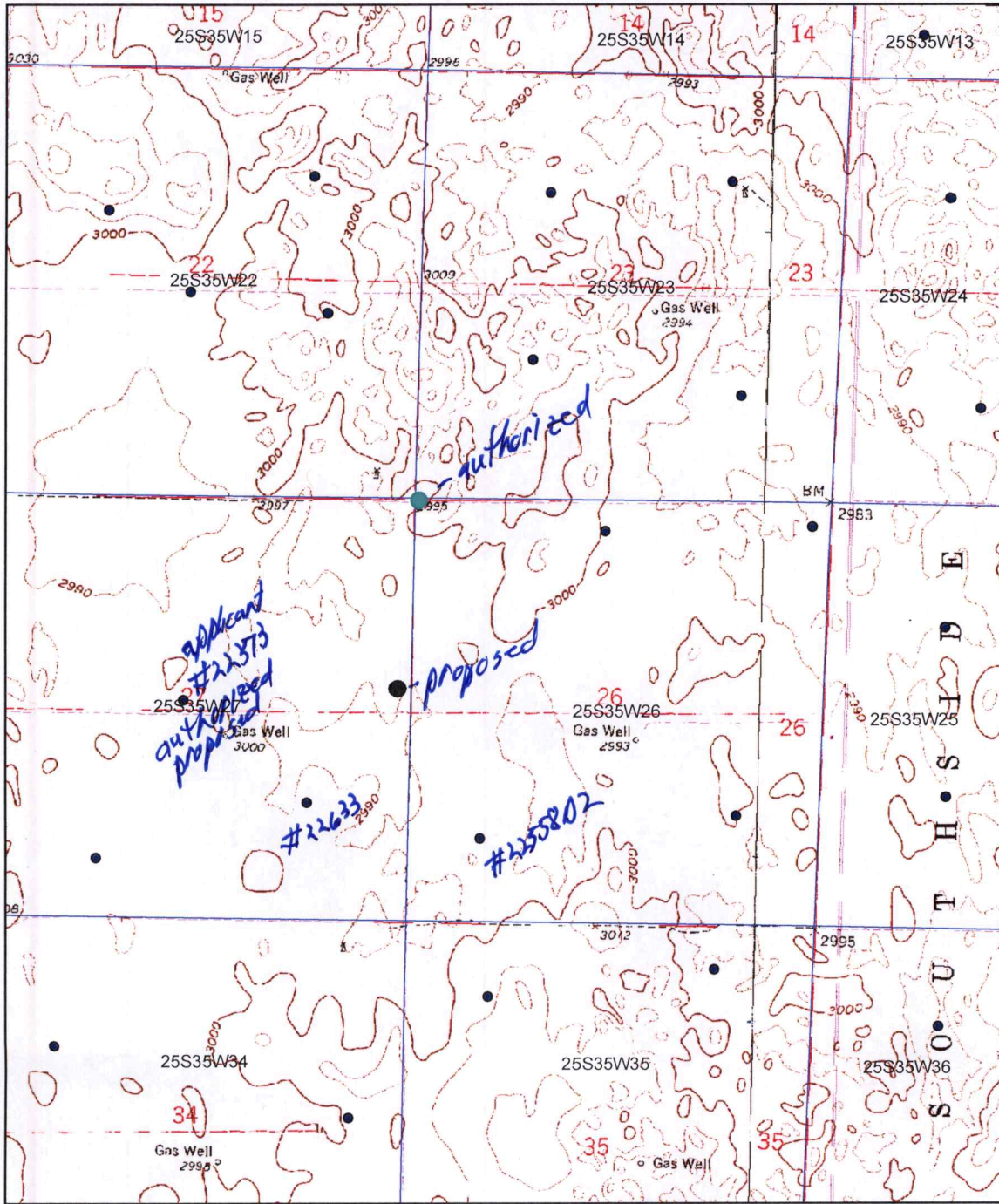


|         |       |     |      |          |          |       |       |    |
|---------|-------|-----|------|----------|----------|-------|-------|----|
| GAMMA   |       |     |      | RES(16N) |          | RES   |       |    |
| -100    | MV    | 100 | FEET | 0        | OHM-M    | 10070 | DEG_F | 80 |
| SP      |       |     |      |          | RES(64N) |       | TEMP  |    |
| 5       | OHM-M | 15  |      | 0        | OHM-M    | 100   |       |    |
| RES(FL) |       |     |      |          | LATERAL  |       |       |    |

TOOL CALIBRATION GRAHAM FARMS 06/27/19 17:31  
TOOL 8144A TM VERSION 1  
SERIAL NUMBER 365

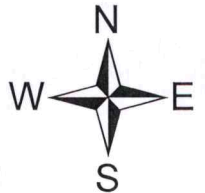
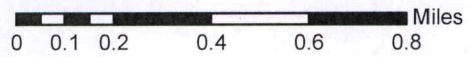
|   | DATE     | TIME     | SENSOR   |          | STANDARD  |            | RESPONSE |
|---|----------|----------|----------|----------|-----------|------------|----------|
| 1 | Feb20,18 | 08:50:39 | GAMMA    | 1.000    | [API-GR ] | 0.000      | [CPS]    |
|   | Feb20,18 | 08:50:39 | GAMMA    | 340.000  | [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]    |

# Change in Point of Diversion for Water Right 22373



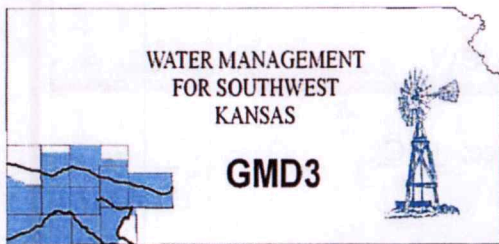
● Authorized Point of Diversion

● Proposed Point of Diversion



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

X \_\_\_\_\_



**Southwest Kansas**  
**Groundwater Management District No. 3**  
2009 E. Spruce Street  
Garden City, Kansas 67846  
(620) 275-7147 phone (620) 275-1431 fax  
www.gmd3.org

December 10, 2019

Austin J. 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. 22373

Dear Austin:

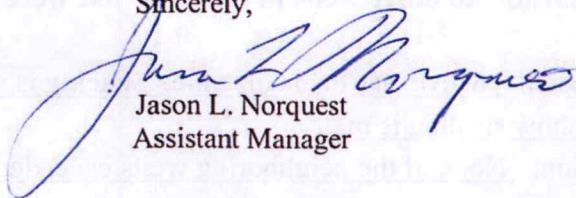
We have completed a review of the application for the above referenced water right. The proposed change in point of diversion is in accordance with current area rules, K.A.R. 5-23-3, as it pertains to distance moved and minimum spacing to neighboring wells.

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

Every neighboring well within 1 mile of the proposed move was evaluated. Evaluations showed that none of the well exceeded the 4.0 ft maximum allowable threshold. The results were based on the proposed well pumping at full authority. We did not receive any comments from our notices. Therefore, GMD3 sees this move as reasonable and unlikely to impair neighboring wells. It is therefore recommended that the application be approved.

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

Sincerely,

A handwritten signature in blue ink, which appears to read "Jason L. Norquest", is written over the typed name and title.

Jason L. Norquest  
Assistant Manager

## GMD3 Change Review

---

File No(s): 22373.

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 | 5187      | 49       | Sect. 27-25-35        |  |  |
| Proposed PD   | 2905      | 280      |                       |  |  |
| Difference    | 2282 s    | -231 w   |                       |  |  |
| a2 + b2 = c2  | 5207524   | 53361    | 2293.662 foot move SW |  |  |

GPS for proposed PD: Lat: 37.851224 Long: -101.141014.

Is proposed PD stacking on existing WRs? No.

Is Proposed PU overlapping existing WRs?   .

Land Owner(s) notified:   .

Name   . Name   .

Address   . Address   .

Zip   . Zip   .

Neighboring certified well(s) notified:   .

Name   . Name   .

Address   . Address   .

Zip   . Zip   .

Domestic well(s) notified:   .

Name   . Name   .

Address   . Address   .

Zip   . Zip   .

Base Acres:   .

Perfectured Acres:   .

Irr. Return-Flow   %

**Proposed redrill to 640 ft.**

**ID 7 under same water was redrilled last year to 640ft or so depth.**

**Depth is comparable to other wells in the area that were redrilled in the last year years.**

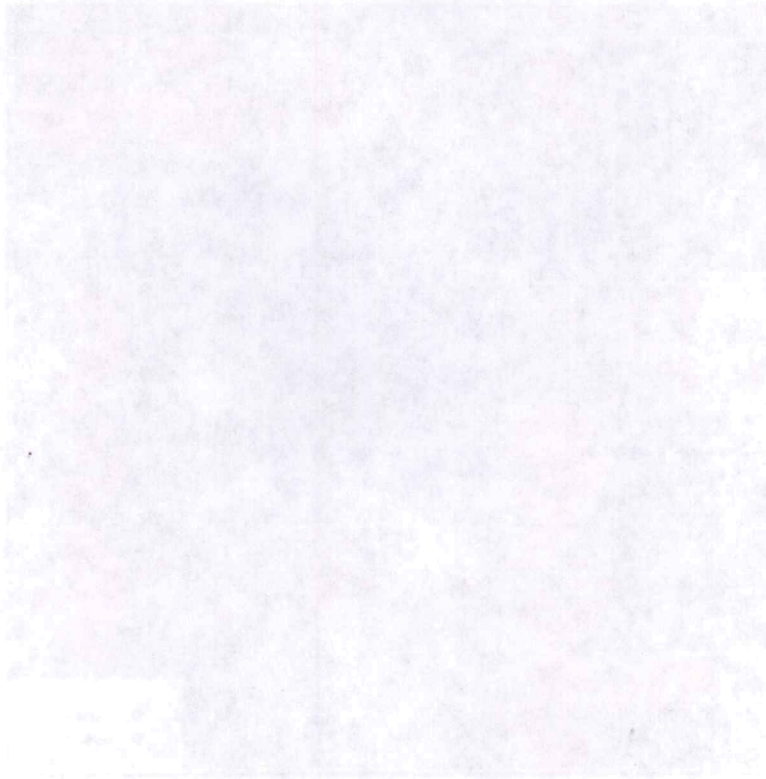
Is a waiver needed: Move less than half mile. Spacing is verified with GPS from past inspections to show spacing is met.

Recommendation: None of the neighboring wells exceeded the drawdown allowance. We did not hear any comments from neighbor notices. After review of all available

## GMD3 Change Review

---

information, it appears current area rules are met. Staff therefore recommends approval of the application.





22633 ID 8: Drawdown from current location = 0.89 ft  
Drawdown from proposed location = 2.67 ft  
Net drawdown = **1.8 ft**

22560 ID 7: Drawdown from current location = 0.72 ft  
Drawdown from proposed location = 1.42 ft  
Net drawdown = **0.7 ft**

22558 ID 4: Drawdown from current location = 0.76 ft  
Drawdown from proposed location = 1.27 ft  
Net drawdown = **0.5 ft**

22558 ID 7: Drawdown from current location = 0.86 ft  
Drawdown from proposed location = 2.26 ft  
Net drawdown = **1.4 ft**

22374 ID 5: Drawdown from current location = 1.09 ft  
Drawdown from proposed location = 1.65 ft  
Net drawdown = **0.6 ft**

22559 ID 6: Drawdown from current location = 1.10 ft  
Drawdown from proposed location = 1.31 ft  
Net drawdown = **0.2 ft**

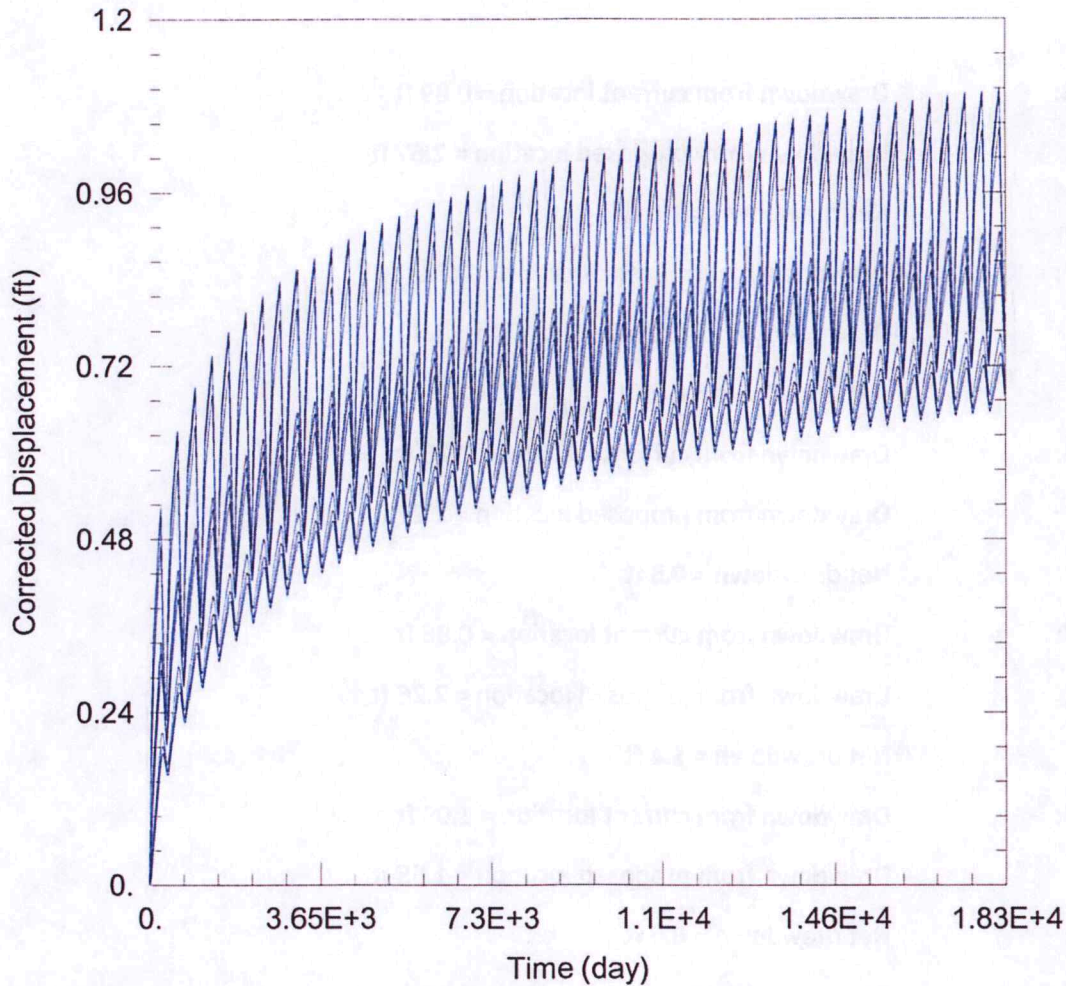
21764 ID 7: Drawdown from current location = 1.05 ft  
Drawdown from proposed location = 1.24 ft  
Net drawdown = **0.2 ft**

Net drawdown does not exceed the drawdown allowance of 4.0 ft for any neighboring wells, so critical well analysis is not necessary.

**Conclusion:**

Net effects on neighboring wells as a result of this proposal are expected to be negligible. Impairment is unlikely to occur. GMD3 staff recommends approval of this application.





WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2019\_moves\22373\22373 Current.aqt  
 Date: 12/02/19 Time: 16:34:04

PROJECT INFORMATION

Company: GMD 3  
 Project: 22373  
 Location: Kearny County  
 Test Well: 22373

WELL DATA

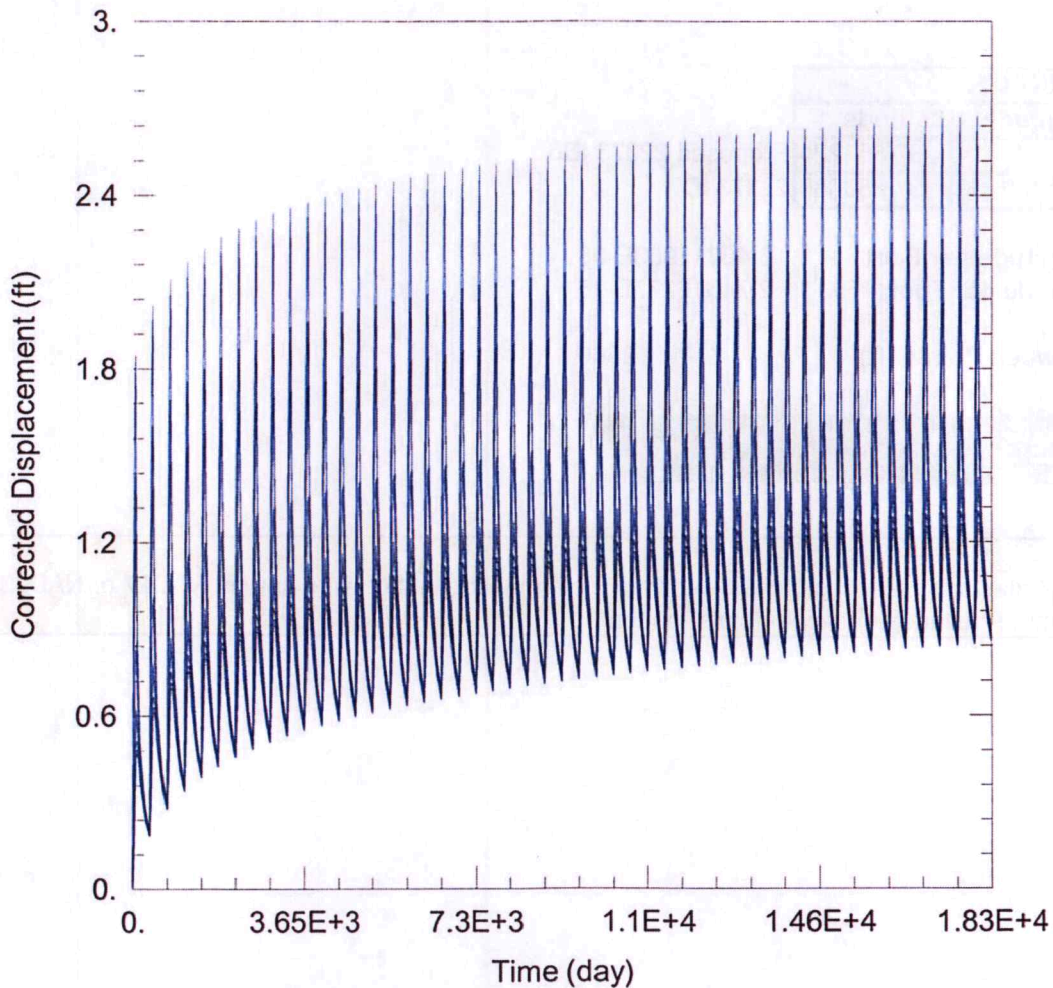
Pumping Wells

| Well Name | X (ft) | Y (ft) |
|-----------|--------|--------|
| 22373 ID6 | -98284 | 357933 |

Observation Wells

| Well Name   | X (ft)  | Y (ft) |
|-------------|---------|--------|
| □           | -98284  | 357933 |
| □ 22373 ID7 | -101143 | 355445 |
| □ 22633 ID4 | -102196 | 353453 |
| □ 22633 ID8 | -99606  | 354190 |
| □ 22560 ID7 | -97290  | 351818 |
| □ 22558 ID4 | -94253  | 354121 |
| □ 22558 ID7 | -97427  | 353780 |
| □ 22374 ID5 | -95941  | 357640 |
| □ 22559 ID6 | -96877  | 359756 |
| □ 21764 ID7 | -99467  | 360289 |

SOLUTION



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2019\_moves\22373\22373 Proposed.aqt

Date: 12/02/19

Time: 16:33:57

PROJECT INFORMATION

Company: GMD 3

Project: 22373

Location: Kearny County

Test Well: 22373

WELL DATA

Pumping Wells

| Well Name | X (ft) | Y (ft) |
|-----------|--------|--------|
| 22373 ID6 | -98625 | 355641 |

Observation Wells

| Well Name   | X (ft)  | Y (ft) |
|-------------|---------|--------|
| □           | -98625  | 355641 |
| □ 22373 ID7 | -101143 | 355445 |
| □ 22633 ID4 | -102196 | 353453 |
| □ 22633 ID8 | -99606  | 354190 |
| □ 22560 ID7 | -97290  | 351818 |
| □ 22558 ID4 | -94253  | 354121 |
| □ 22558 ID7 | -97427  | 353780 |
| □ 22374 ID5 | -95941  | 357640 |
| □ 22559 ID6 | -96877  | 359756 |
| □ 21764 ID7 | -99467  | 360289 |

SOLUTION

Analysis Method: Unconfined

Solution Method: Thiessen

| INPUTS  |             |           |
|---------|-------------|-----------|
|         | Longitude   | Latitude  |
| Point 1 | -101.141014 | 37.851224 |
| Point 2 | -101.150200 | 37.850680 |

Proposed 22373 ID6  
22373 ID7

Degrees Longitude per Foot      3.46315963E-06  
Degrees Latitude per Foot        2.74616277E-06  
  
Distance Between Points (ft)      2660

Compute Distance Between Points

**Instructions**  
1. Enter Longitudes and Latitudes of the two points (both must be in the same datum, NAD27 or NAD83).  
2. Click "Compute Distance Between Points" button.

| INPUTS  |             |           |
|---------|-------------|-----------|
|         | Longitude   | Latitude  |
| Point 1 | -101.141014 | 37.851224 |
| Point 2 | -101.135820 | 37.846040 |

Proposed 22373 ID6  
22558D2

Degrees Longitude per Foot 3.46305113E-06

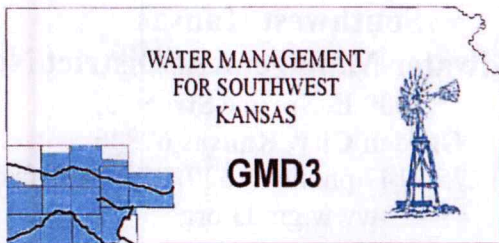
Degrees Latitude per Foot 2.74616387E-06

Distance Between Points (ft) 2411

Compute Distance Between Points

**Instructions**

1. Enter Longitudes and Latitudes of the two points (both must be in the same datum, NAD27 or NAD83).
2. Click "Compute Distance Between Points" button.



**Southwest Kansas**  
**Groundwater Management District No. 3**  
2009 E. Spruce Street  
Garden City, Kansas 67846  
(620) 275-7147 phone (620) 275-1431 fax  
www.gmd3.org

December 3, 2019

Duane E & Kathleen A Koster Trusts  
PO Box 897  
Garden City, Kansas 67846

RE: Application for Change in Point of Diversion  
Water Right, File No. 22373

Dear Duane & Kathleen Koster:

This is to inform you that Graham Farms Inc. has applied to relocate their well 2293 feet SW of their current well location in Section 27, Township 25s, Range 35w, in Kearny county. The proposed change in point of diversion is in accordance with current area rules, K.A.R. 5-23-3, as it pertains to distance moved and minimum spacing to neighboring wells.

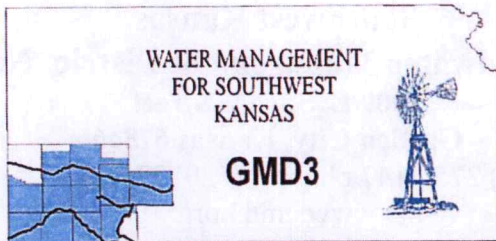
Well evaluations were conducted to estimate possible effects of the proposal on the supply of other wells with water rights prior to the proposal per K.S.A. 82a-708b, and the draft revised management program. Under K.S.A. 82a-708b, an applicant requesting a change in point of diversion must demonstrate to the chief engineer that any proposed change is reasonable and will not impair. An analysis was 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 ft in cases where saturated thickness is greater than 200 ft), or if no well with a net well-to-well effect exceeding the threshold is identified as critical. Critical wells are identified as wells that are expected to either lose or greatly diminish water supply over the next 25 years. 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.

A copy of the full change application can be found on the Division of Water Resources site: <https://www.agriculture.ks.gov/divisions-programs/dwr/water-appropriation/notices> The results of the analysis can be found at: <http://www.gmd3.org/what-we-do/well-to-well-analysis/> Please review the analysis for the proposed change to Water Right 22373. If you have any questions or wish to provide better information, please contact our office by December 12, 2019. If no response is provided to our office, we will proceed with our recommendation to the Chief Engineer.

Thank you for the for your time to review the application and to provide any information. If you have any questions, please don't hesitate to contact us.

Sincerely,

Jason L. Norquest  
Assistant Manager



Southwest Kansas  
Groundwater Management District No. 3  
2009 E. Spruce Street  
Garden City, Kansas 67846  
(620) 275-7147 phone (620) 275-1431 fax  
www.gmd3.org

December 3, 2019

John Ensz  
10606 N Road V  
Ulysses, Kansas 67880

RE: Application for Change in Point of Diversion  
Water Right, File No. 22373

Dear John Ensz:

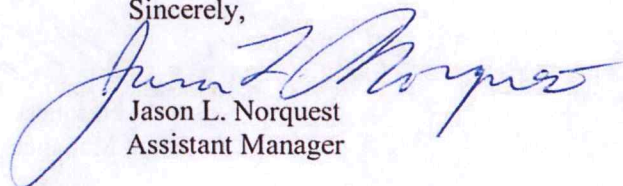
This is to inform you that Graham Farms Inc. has applied to relocate their well 2293 feet SW of their current well location in Section 27, Township 25s, Range 35w, in Kearny county. The proposed change in point of diversion is in accordance with current area rules, K.A.R. 5-23-3, as it pertains to distance moved and minimum spacing to neighboring wells.

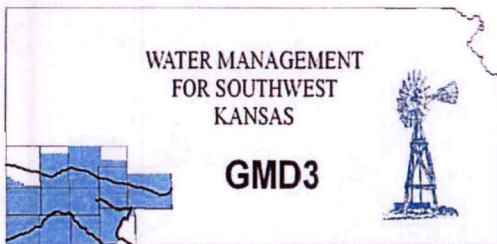
Well evaluations were conducted to estimate possible effects of the proposal on the supply of other wells with water rights prior to the proposal per K.S.A. 82a-708b, and the draft revised management program. Under K.S.A. 82a-708b, an applicant requesting a change in point of diversion must demonstrate to the chief engineer that any proposed change is reasonable and will not impair. An analysis was 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 ft in cases where saturated thickness is greater than 200 ft), or if no well with a net well-to-well effect exceeding the threshold is identified as critical. Critical wells are identified as wells that are expected to either lose or greatly diminish water supply over the next 25 years. 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.

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Thank you for the for your time to review the application and to provide any information. If you have any questions, please don't hesitate to contact us.

Sincerely,

  
Jason L. Norquest  
Assistant Manager



Southwest Kansas  
Groundwater Management District No. 3  
2009 E. Spruce Street  
Garden City, Kansas 67846  
(620) 275-7147 phone (620) 275-1431 fax  
www.gmd3.org

December 3, 2019

Wheatland Electric Cooperative Inc.  
% Perry Smith  
PO Box 953  
Garden City, Kansas 67846

RE: Application for Change in Point of Diversion  
Water Right, File No. 22373

Dear Perry Smith:

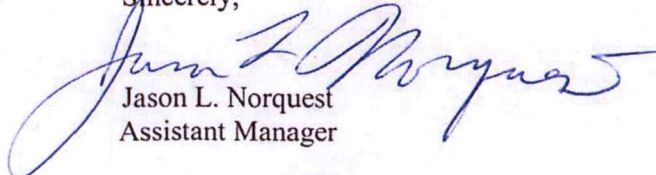
This is to inform you that Graham Farms Inc. has applied to relocate their well 2293 feet SW of their current well location in Section 27, Township 25s, Range 35w, in Kearny county. The proposed change in point of diversion is in accordance with current area rules, K.A.R. 5-23-3, as it pertains to distance moved and minimum spacing to neighboring wells.

Well evaluations were conducted to estimate possible effects of the proposal on the supply of other wells with water rights prior to the proposal per K.S.A. 82a-708b, and the draft revised management program. Under K.S.A. 82a-708b, an applicant requesting a change in point of diversion must demonstrate to the chief engineer that any proposed change is reasonable and will not impair. An analysis was 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 ft in cases where saturated thickness is greater than 200 ft), or if no well with a net well-to-well effect exceeding the threshold is identified as critical. Critical wells are identified as wells that are expected to either lose or greatly diminish water supply over the next 25 years. 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.

A copy of the full change application can be found on the Division of Water Resources site: <https://www.agriculture.ks.gov/divisions-programs/dwr/water-appropriation/notices> The results of the analysis can be found at: <http://www.gmd3.org/what-we-do/well-to-well-analysis/> Please review the analysis for the proposed change to Water Right 22373. If you have any questions or wish to provide better information, please contact our office by December 12, 2019. If no response is provided to our office, we will proceed with our recommendation to the Chief Engineer.

Thank you for the for your time to review the application and to provide any information. If you have any questions, please don't hesitate to contact us.

Sincerely,



Jason L. Norquest  
Assistant Manager

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

November 22, 2019

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

Change Application,  
File No. 22373

Dear Sir or Madam:

We are enclosing a copy of the referenced application, which was submitted by Graham Farms Inc. 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



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

Mike Beam, Secretary

Laura Kelly, Governor

November 6, 2019

DUANE E & KATHLEEN A KOSTER TRUSTS  
PO BOX 897  
GARDEN CITY, KS 67846-0897

RE: Water Right, File No. 22373

Dear Sir or Madam:

This is to advise you that Graham Farms Inc. has filed an application for approval of the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, to change the point of diversion under the above referenced applications. An irrigation well is proposed to be relocated to the SE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$  of Section 27, Township 25 South, Range 35 West, Kearny County.

You can find the complete applications posted by water right file number as referenced above at: <https://agriculture.ks.gov/divisions-programs/dwr/water-appropriation/notices>

You are notified on this proposed point of diversion (well) so that you may furnish this office with any comments or other information you want to submit. Such comments or other information must be received in this office within 15 days from the date of this letter.

Should you have any questions, please feel free contact this office. If you would prefer, you could arrange an appointment for additional assistance. Please refer to the file number when you contact us if you wish to discuss a specific file.

Sincerely,

A handwritten signature in black ink, appearing to read "Austin J. McColloch".

Austin J. McColloch  
Assistant Water Commissioner

AM:  
enclosures

pc:  
GROUNDWATER MANAGEMENT DISTRICT NO. 3

SCANNED