

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

1. File Number: <b>33699</b>	2. Status Change Date:	3. Change Num: <b>C2</b>	4. Field Office: <b>4</b>	5. GMD: <b>3</b>
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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>12/5/2022</b>
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8a. Applicant(s) / Landowner / WUC    Person ID **3326**  
 New to system     Add Seq# \_\_\_\_\_

**WILLIAM R & TERESA M COTTRELL JR**  
**PO BOX 309**  
**MEADE, KS 67864-0309**

8c. Landowner(s)    Person ID **54976**  
 New to system     Add Seq# \_\_\_\_\_

**MARION KNOTT IRREV TRUST**  
**Attn: ELSIE COTTRELL TRUSTEE**  
**BOX 309**  
**MEADE, KS 67864**

8b. Landowner(s)    Person ID **38224**  
 New to system     Add Seq# \_\_\_\_\_

**ELSIE E COTTRELL**  
**BOX 309**  
**MEADE, KS 67864**

8d. Landowner(s)    Person ID **67635**  
 New to system     Add Seq# \_\_\_\_\_

**REX COTTRELL ET AL**  
**Attn: WILLIAM COTTRELL JR**  
**PO BOX 309**  
**MEADE, KS 67864**

8e. Landowner(s)    Person ID **67636**  
 New to system     Add Seq# \_\_\_\_\_

**COTTRELL FARMS LLC**  
**PO BOX 309**  
**MEADE, KS 68764**

9. Documents and Enclosure(s):  DWR Meter(s) Date to Comply: **12/31/2023**     N & P Date to Comply: **3/1/2024**

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: **1/11/2023**    By: **AM**  
 Date Entered: \_\_\_\_\_    By: \_\_\_\_\_

File No. **33699**      11. County: **ME**      Basin: **CROOKED CREEK**      Stream:      Formation Code: **211**      Special Use:

12. Points of Diversion  
 Rate and Quantity  
 Authorized      Additional  
 Rate      Quantity      Rate      Quantity  
 gpm      af      gpm      af      Overlap PD Files

CHK	MOD	DEL	ENT	PDIV	Qualifier	S	T	R	ID	'N	'W	Comment (AKA Line)	Rate gpm	Quantity af	Rate gpm	Quantity af	Overlap PD Files

DEL **26243**

ENT **NW NE NW 12 32S 30W 5275 3703 1940 640 1940 640**

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

14. Limitation: **3890** af/yr at \_\_\_\_\_ gpm ( \_\_\_\_\_ cfs) when combined with file number(s) **#8315, #8317, #12748 & #18474 (NO CHANGE)**  
 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
						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				
CHK																									
CHK																									
CHK																									
CHK																									
CHK																									
CHK																									
CHK																									
CHK																									

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

January 11, 2023

WILLIAM R & TERESA M COTTRELL JR  
PO BOX 309  
MEADE, KS 67864-0309

RE: Filed Office Application for Change  
Water Right, File No. 33699

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:  
GMD 3

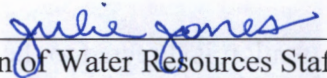
## CERTIFICATE OF SERVICE

On this 11<sup>th</sup> day of January, 2023, I hereby certify that the foregoing Approval of Application for Change in Point of Diversion, Water Right, File No. 33,699 dated 11<sup>th</sup> day of January, 2023 was mailed postage prepaid, first class, US mail to the following:

WILLIAM R & TERESA M COTTRELL JR  
PO BOX 309  
MEADE, KS 67864-0309

Pc:

GMD 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  
 1:02 pm  
 DEC 05 2022

File No. 33699

1. Application is hereby made for approval of the Chief Engineer to change the (check one or both):  
 Place of Use       Point of Diversion  
 Garden City Field Office  
 Division of Water Resources

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: BILL COTRELL  
PO BOX 309 MEADE, KS. 67864  
 Phone Number: (620)873 5404      Email address: \_\_\_\_\_  
 Name and address of Water Use Correspondent: WILLIAM R & TERESA M COTTRELL JR  
PO BOX 309 MEADE, KS. 67864  
 Phone Number: (620)873 5404      Email address: \_\_\_\_\_

3. The presently authorized place of use is:  
 Owner of Land ---- NAME: NO CHANGE  
 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: NO CHANGE  
 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 12.5.22 Check # 2276

5. **Presently authorized point of diversion:**  
 One in the        NW Quarter of the        NW Quarter of the        NW Quarter of Section        12, Township        32 South, Range        30 W, in MEADE County, Kansas,        5040 feet North        5200 feet West of Southeast corner of section. Authorized Rate 1940GPM Authorized Quantity 640AF Depth of well        (feet)  
**(DWR use only: Computer ID No. 3 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        NE Quarter of the        NW Quarter of Section        12, Township        32 South, Range        30 W, in MEADE County, Kansas,        5275 feet North        3703 feet West of Southeast corner of section. Proposed Rate 1940 GPM Proposed Quantity 640 AF Proposed well depth (feet)       .  
 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        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. Authorized Rate        Authorized Quantity        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) Lack of production on current location

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

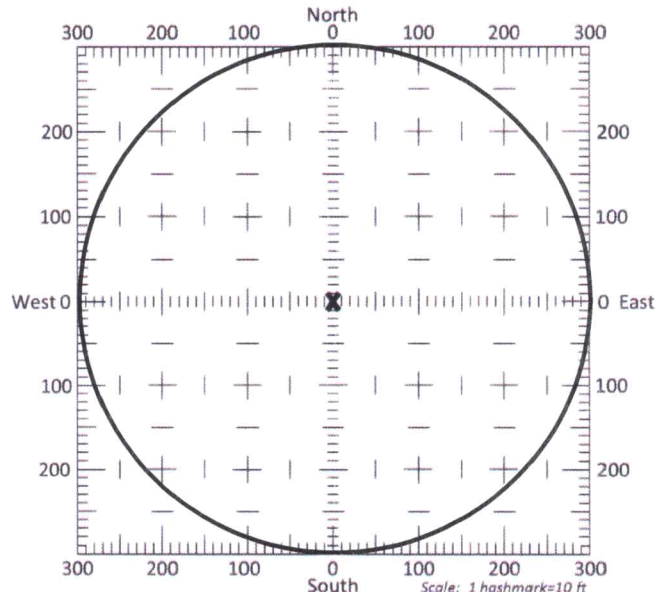
9. The change(s) (was)(will be) completed by?  
      

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

11. Groundwater Management District recommendation attached?  
 Yes  No

12. Assisted by       

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 a 300 foot radius of the existing point of diversion, indicate its location on the diagram shown above in relation to the existing point of diversion. The proposed point of diversion must be located within the circle shown above. **(PLEASE NOTE: The "X" in center of diagram above represents the presently authorized point of diversion.)**

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 Meade, Kansas, this 23<sup>rd</sup> day of November, 2022.

<p><u>[Signature]</u> _____ (Owner)</p> <p><u>Bill GOREN JR.</u> _____ (Please Print)</p> <p>_____ (Owner)</p> <p>_____ (Please Print)</p> <p>_____ (Owner)</p> <p>_____ (Please Print)</p>	<p>_____ (Spouse)</p> <p>_____ (Please Print)</p> <p>_____ (Spouse)</p> <p>_____ (Please Print)</p> <p>_____ (Spouse)</p> <p>_____ (Please Print)</p>
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State of Kansas }  
 County of Meade } SS

I hereby certify that the foregoing application was signed in my presence and sworn to before me this 23<sup>rd</sup> day of November, 2022.

DEBBY REIMER  
 Notary Public - State of Kansas  
 My Commission Expires 1-5-24

[Signature]  
 \_\_\_\_\_  
 Notary Public

**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



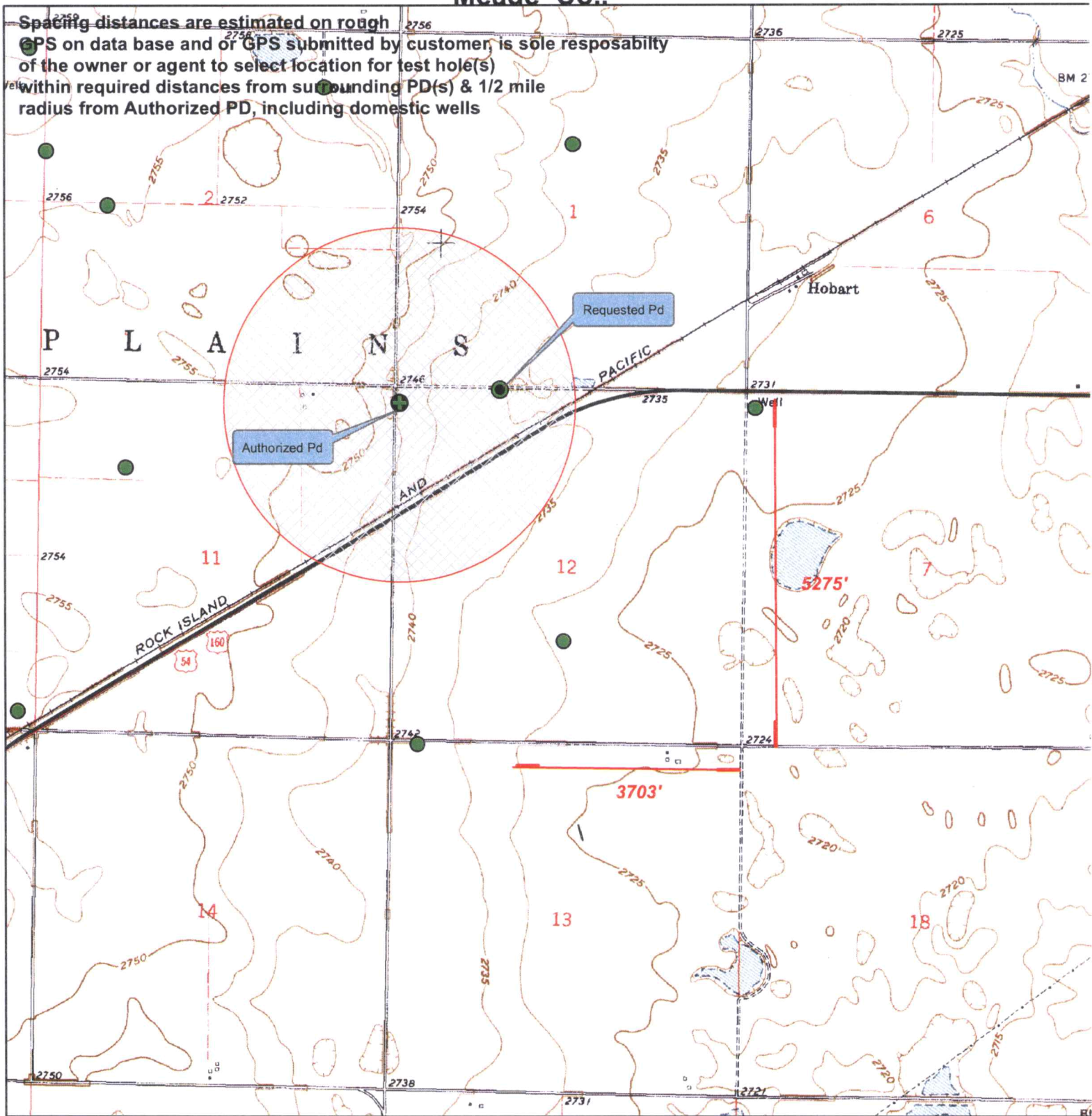


# Point of Diversion Change WR 33699

## T32 R30W Section 12

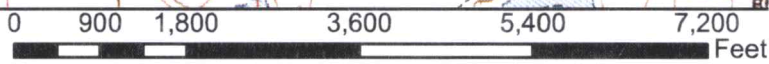
### Meade Co., MO

Spacing distances are estimated on rough GPS on data base and or GPS submitted by customer, is sole responsibility of the owner or agent to select location for test hole(s) within required distances from surrounding PD(s) & 1/2 mile radius from Authorized PD, including domestic wells



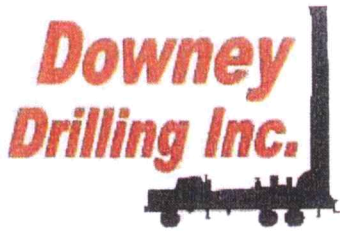
- Authorized PD
- Requested PD
- Point of Diversion
- Active Water Right w/in 1/2 mile

- Half Mile Radius
- domestic well w/in 1/2 mile



**Applicant Signature & Date**

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



CUSTOMER NAME: BILL COTTRELL

TH#1

LEGAL: NW/NW 12-325-30W

COUNTY: MEADE CO, KS

GPS: 37.285704

-100.538898

DRILLER: DIEGO

WO: 22-968

V	FROM	TO	TYPE	HARDNESS	COLOR	SPEED	PULL DOWN	OTHER / DRILLING ACTION
	0	3	TOP SOIL	SOFT	DRK BROWN	FAST		SMOOTH
	3	11	BROWN SILTY CLAY	SOFT	BROWN	FAST		SMOOTH
	11	17	GRAY CLAY	SOFT	GRAY	FAST		SMOOTH
	17	38	SANDY CLAY W/ CALICHE	SOFT	TAN & WHITE	FAST		SMOOTH
	38	48	FINE-MED-COARSE SAND	FIRM		FAST		CHOPPY
	48	91	SANDY CLAY	SOFT	TAN	FAST		SMOOTH
	91	118	FINE-MED-COARSE SAND W/ FINE GRAVEL	FIRM		FAST		FAST CHATTER
	118	139	BROWN CLAY	SOFT	BROWN	FAST		SMOOTH
	139	150	FINE-MED-COARSE SAND	FIRM		FAST		FAST CHATTER
	150	223	BLUE CLAY	SOFT	BLUE	FAST		SMOOTH
	223	229	SANDY CLAY	FIRM		FAST		CHOPPY
	229	245	FINE-MED-COARSE SAND W/ FINE GRAVEL	FIRM		FAST		FAST CHATTER
	245	248	BROWN STICKY CLAY	STICKY	BROWN	FAST		SMOOTH
	248	258	FINE-MED-COARSE SAND W/ FINE GRAVEL	FIRM		FAST		FAST CHATTER
	258	259	CEMENTED SAND	STIFF	WHITE	FAST		CHATTER
	259	269	FINE-MED-COARSE SAND W/ FINE GRAVEL	FIRM		FAST		FAST CHATTER
	269	272	CEMENTED SAND	STIFF	WHITE	FAST		CHATTER
	272	289	FINE-MED-COARSE SAND	FIRM		FAST		FAST CHATTER
	289	292	CEMENTED SAND	STIFF	WHITE	SLOW	X	CHATTER
	292	304	FINE-MED-COARSE SAND	FIRM		FAST		FAST CHATTER
	304	334	FINE-MED-COARSE SAND W/ BROWN ROCK	STIFF	BROWN	FAST		CHATTER
	334	352	FINE-MED-COARSE SAND W/ CEMENTED SAND & SANDY CLAY TRACE	STIFF	WHITE & TAN	FAST		FAST CHATTER
	352	367	SANDY CLAY	SOFT	TAN	FAST		SMOOTH
	367	382	FINE-MED-COARSE SAND	FIRM		FAST		FAST CHATTER
	382	395	SANDY CLAY	SOFT	TAN	FAST		SMOOTH
	395	430	LIME ROCK W/ FINE SAND	FIRM	WHITE	FAST		FAST CHATTER
	430	468	BROWN CLAY	STICKY	BROWN	FAST		SMOOTH
	468	500	RED BED	STIFF	RED	SLOW		CHATTER
			SUPER GEL - 6					
			WATER LOADS - 1 1/2					
			SA - 1/4					
			HOLE PLUG - 2					
			CS - 1					



# Century GEOPHYSICAL CORP.

BILL COTTRELL

COMPANY : DOWNEY DRILLING INC  
 WELL : BILL COTTRELL  
 LOCATION/FIELD : TH#1  
 COUNTY : MEADE  
 LOCATION : NW NW  
 SECTION : 12

OTHER SERVICES:

TOWNSHIP : 32 RANGE : 30W

DATE : 11/18/22  
 DEPTH DRILLER : 500  
 LOG BOTTOM : 498.60  
 LOG TOP : 1.00

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 : DIEGO

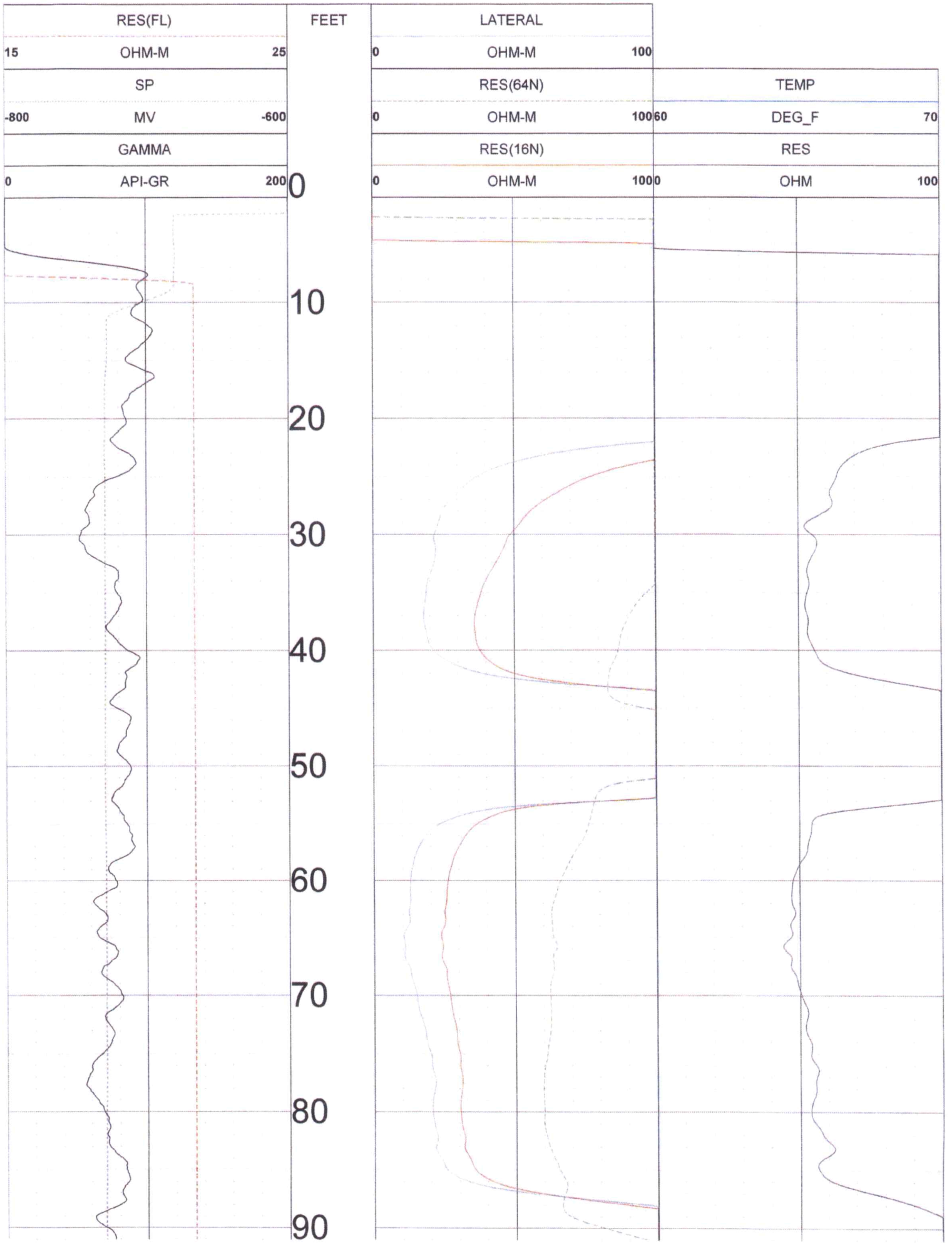
BIT SIZE : 6.25  
 MAGNETIC DECL. : 0  
 MATRIX DENSITY : 2.71  
 NEUTRON MATRIX : LIMESTON

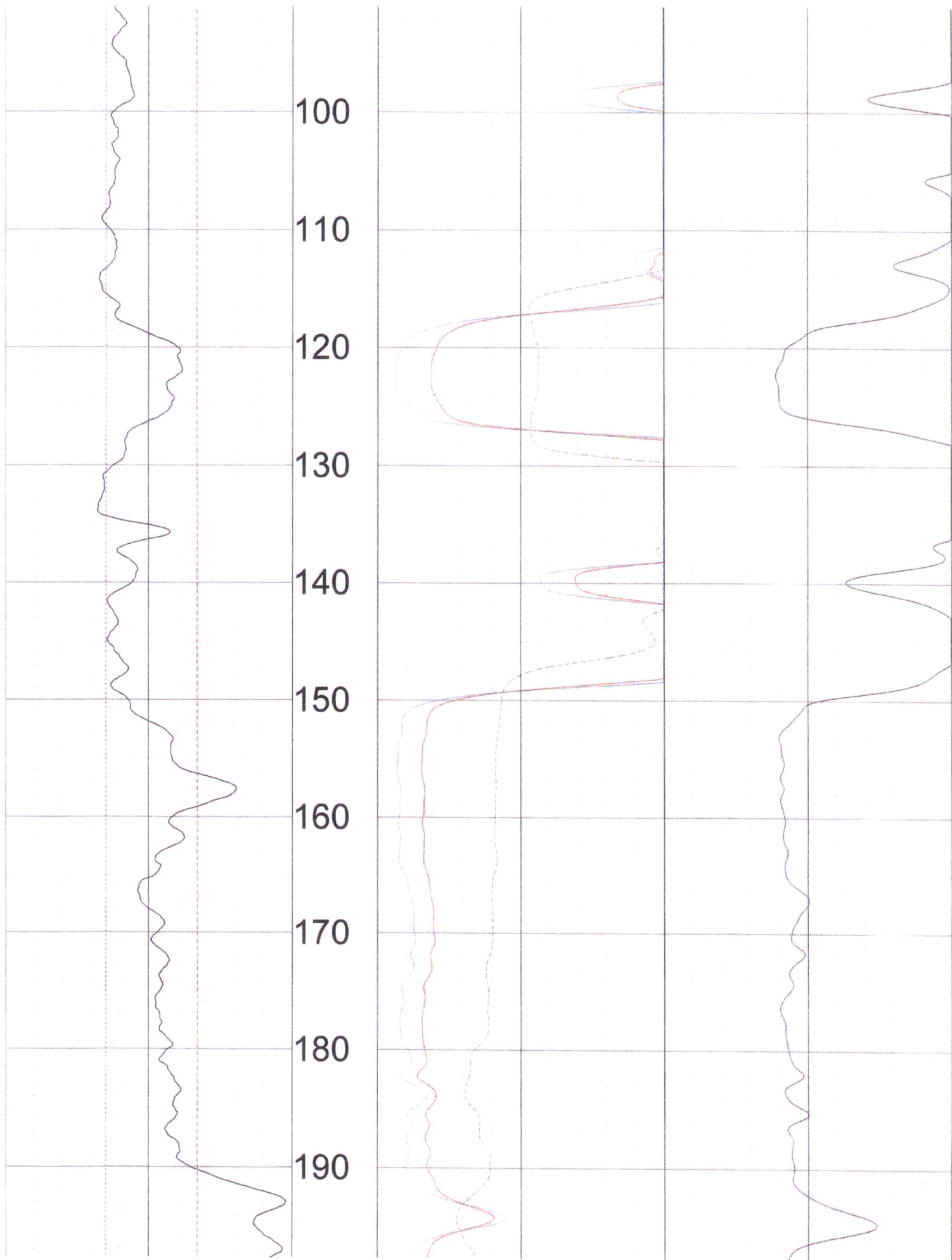
BOREHOLE FLUID : MUD  
 RM :  
 RM TEMPERATURE :  
 MATRIX DELTA T : 49

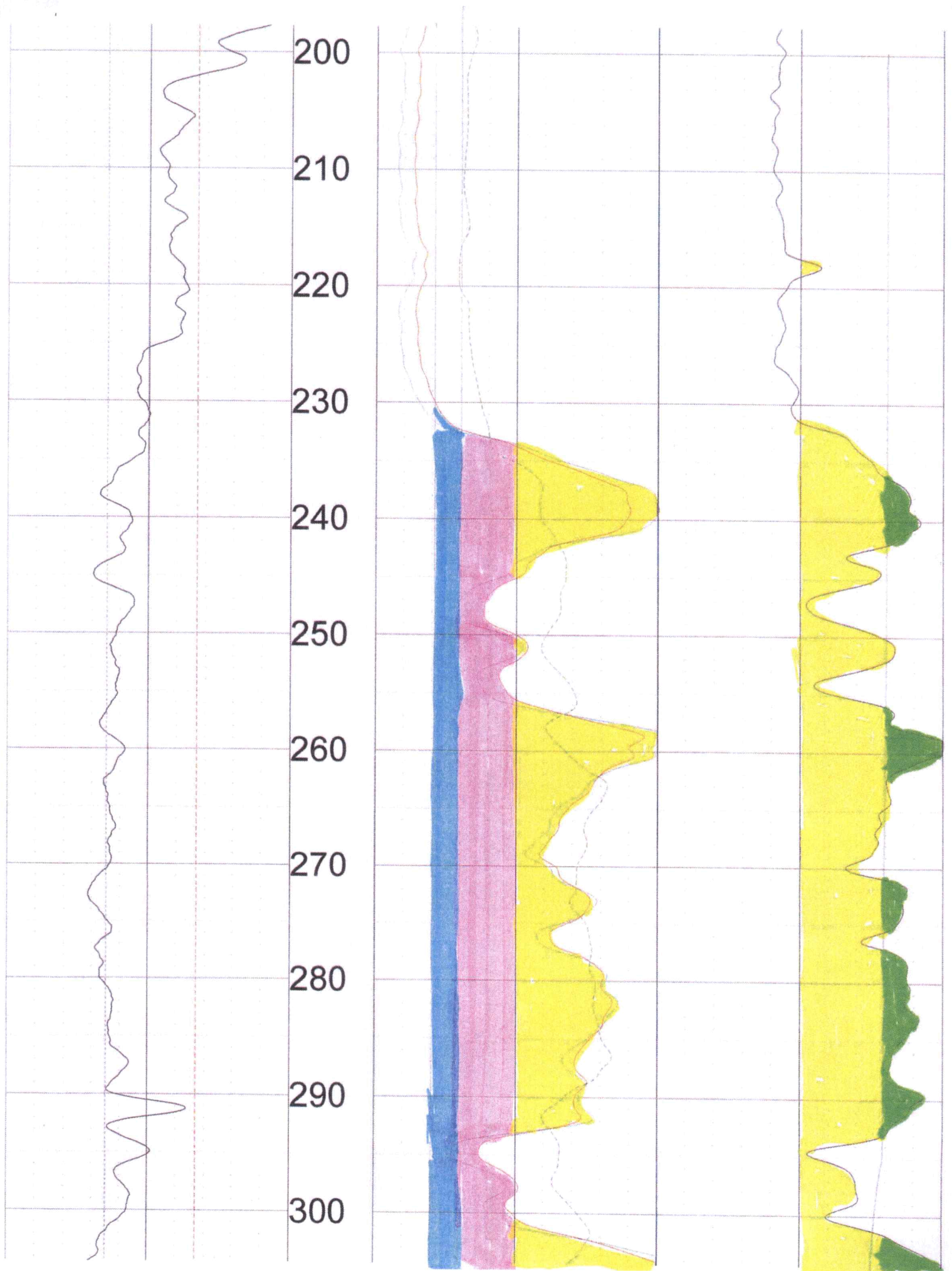
FILE : ORIGINAL  
 TYPE : 8144A  
 LGDATE: 11/18/22  
 LGTIME : 16:19:  
 THRESH: 99999

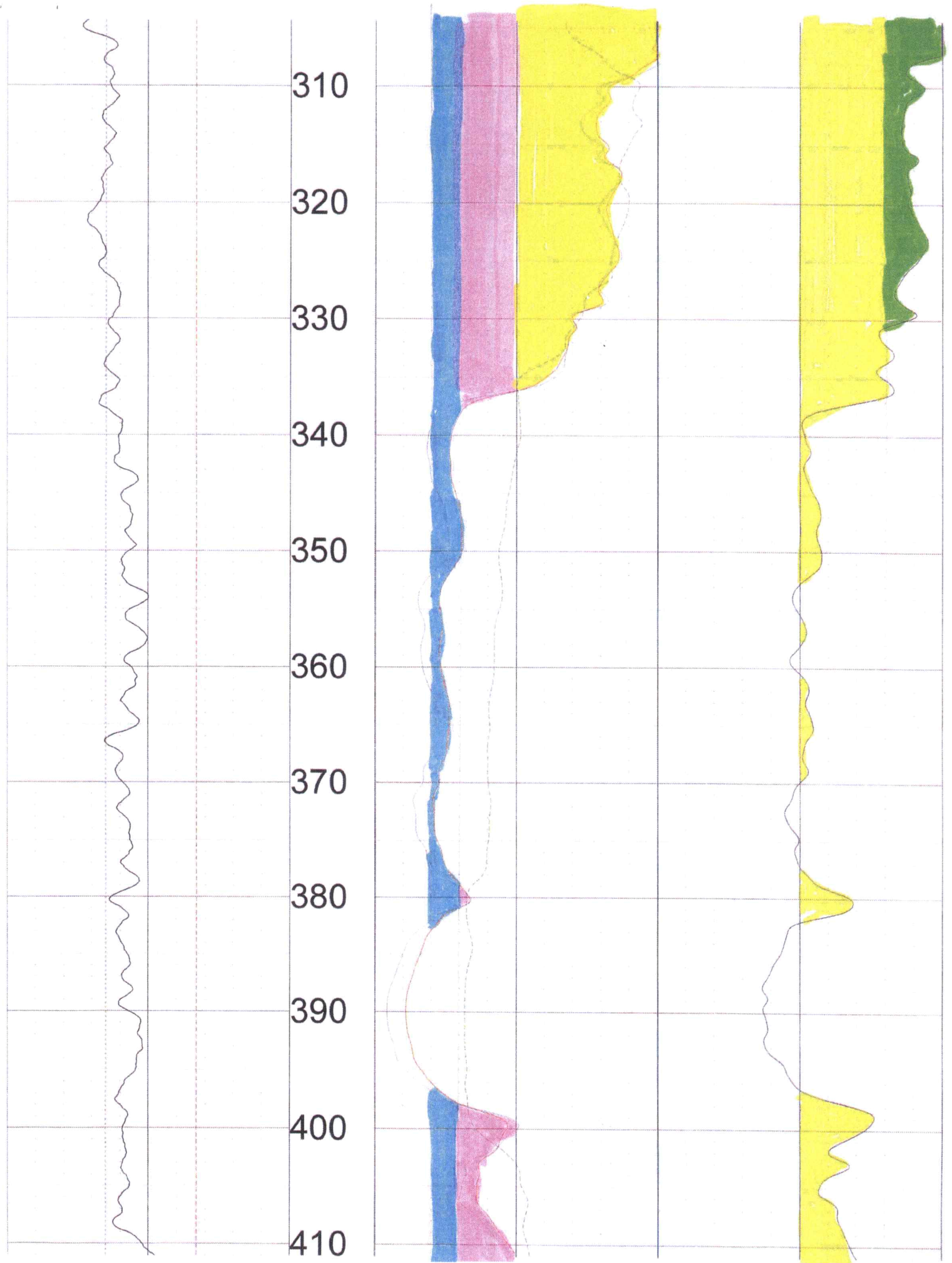
N 37.28570  
 W -100.53889

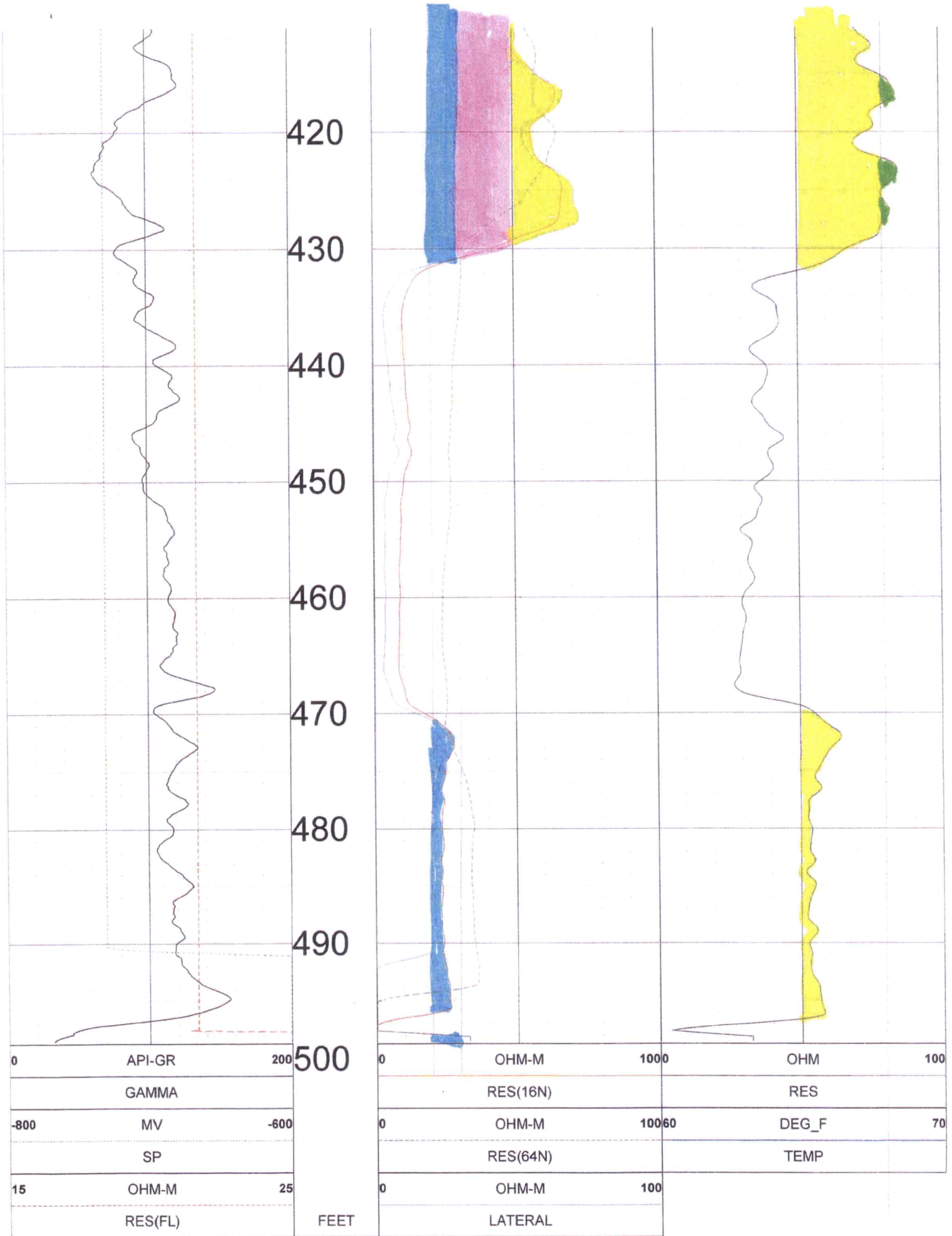
ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS











420

430

440

450

460

470

480

490

500

0	API-GR	200
	GAMMA	
-800	MV	-600
	SP	
15	OHM-M	25
	RES(FL)	

FEET

0	OHM-M	1000	OHM	100
	RES(16N)		RES	
0	OHM-M	10060	DEG_F	70
	RES(64N)		TEMP	
0	OHM-M	100		
	LATERAL			



TOOL CALIBRATION BILL COTTRELL 11/18/22 16:19  
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]

# BILL COTTRELL

NE/NW 12-32S-30W MEADE CO.

Legend

N Rd

N Rd

COTTRELL TH #1 ELEV=2742'

IRR WELL ELEV=2748'

7 Rd

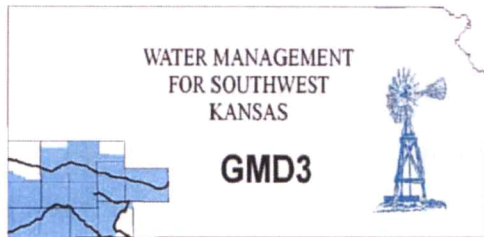
TH #1 ELEV=2742' (2/17/2020)

54

Google Earth



900 ft



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

December 23, 2022

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. 33699

Dear Austin:

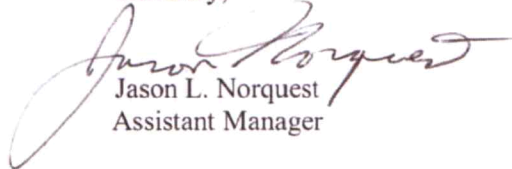
We have completed a review of the application for the above referenced water right. The proposed change in point of diversion is in accordance with current area rules, K.A.R. 5-23-3, as it pertains to minimum spacing to neighboring wells and distance moved.

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 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 (4.0 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 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

## GMD3 Change Review

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33699 File No(s): 33699.

DWR office: GC.

App filed to change: PD.

Is Landowner(s) correct in WRIS: Bill Cotrell.

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) 03 being changed.

	ft. North	ft. West	
Authorized PD	5040	5200	Sect 12-32-30
Proposed PD	5275	3703	
Difference	-235 n	1497 e	
$a^2 + b^2 = c^2$	55225	2241009	1515.333 foot move SE

GPS for proposed PD: Lat: 37.285704 Long: -100.538898.

Is proposed PD stacking on existing WRs? No.

Is Proposed PU overlapping existing WRs? No Change.

Neighboring certified well(s) notified:   .

Name John Borth (6509, 41234, 41525).

Address PO Box 754.

Zip Meade, KS 67864.

Email: [johnnyborth@gmail.com](mailto:johnnyborth@gmail.com) Phone: 620-629-1849.

Name EG Amerin (14638).

Address 9041 4 RD.

Zip Plains, KS 67869.

Email: [eg\\_amerin@yahoo.com](mailto:eg_amerin@yahoo.com) Phone: 620-339-5522.

Name Daniel & Jamie Eakes (14640).

Address PO Box 487.

Zip Plains, KS 67869.

Email: [jamiejo1961@gmail.com](mailto:jamiejo1961@gmail.com) Phone: 620-655-4195.

Domestic well(s) notified:   .

Name   .

Address   .

Zip   .

Base Acres:   .

Perfected Acres:   .

Irr. Return-Flow   %

## GMD3 Change Review

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### Meade County

**Authorized: 640AF @ 1940gpm. Limited 3890AF/year w/8317, 12748, 18474**

**App says lack of production, but 2021 GMD3 inspection showed 1225gpm.**

**Proposed depth around 500'.**

**Average water use (2012-2021): 396.3AF/year**

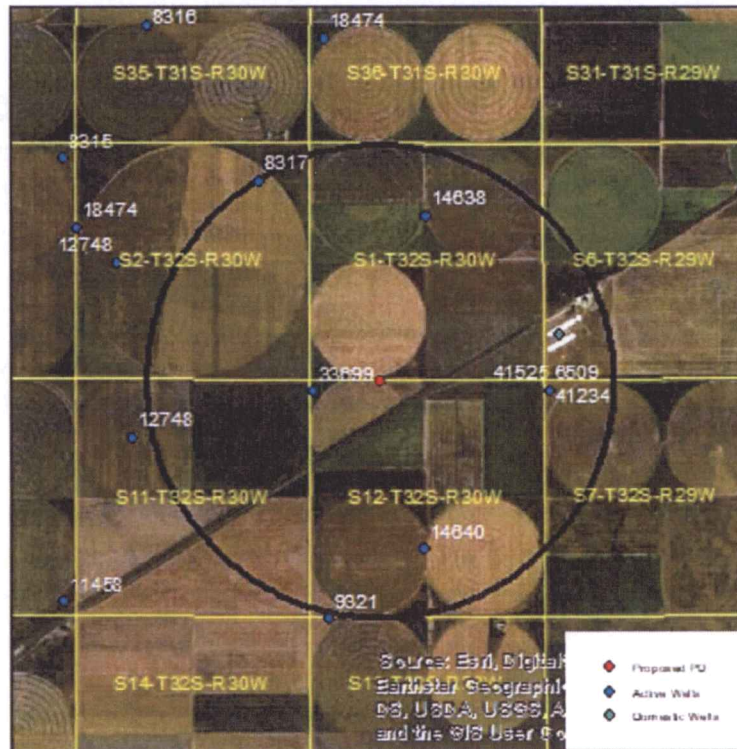
Is a waiver needed: Move is less than half mile. Minimum spacing to neighbors appears to be met. Analysis shows possible effects within guidelines, no critical wells.

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



## Evaluation of proposed move for Water Right No. 33699

Proposed: Move water right no. 33699 to a new well location, a distance of 1,524 ft to the northeast.



Wells within 1 mile: 8317, 14638, 14640, 6509 & 41234 & 41525, and a domestic well in section 6-32-29.

The saturated thickness at the proposed well location is estimated to be 205 ft, based upon the GMD3 model. For saturated thickness greater than 200 ft, the drawdown allowance is 4.0 ft.

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

$S = 0.2266$ ,  $T = 9802 \text{ ft}^2/\text{day}$ ,  $t_{p\text{current}} = 73 \text{ days}$  (based on average use and observed rate),  
 $Q_{\text{current}} = 1225 \text{ gpm}$  (based on 2021 field inspection),  $t_{p\text{proposed}} = 75 \text{ days}$ ,  $Q_{\text{proposed}} = 1940 \text{ gpm}$

Theis drawdowns were calculated as follows:

8317: Drawdown from current location = 1.77 ft  
Drawdown from proposed location = 2.74 ft  
Net drawdown = **1.0 ft**

14638: Drawdown from current location = 1.82 ft  
Drawdown from proposed location = 3.36 ft  
Net drawdown = **1.5 ft**

14640: Drawdown from current location = 1.91 ft  
Drawdown from proposed location = 3.32 ft  
Net drawdown = **1.4 ft**

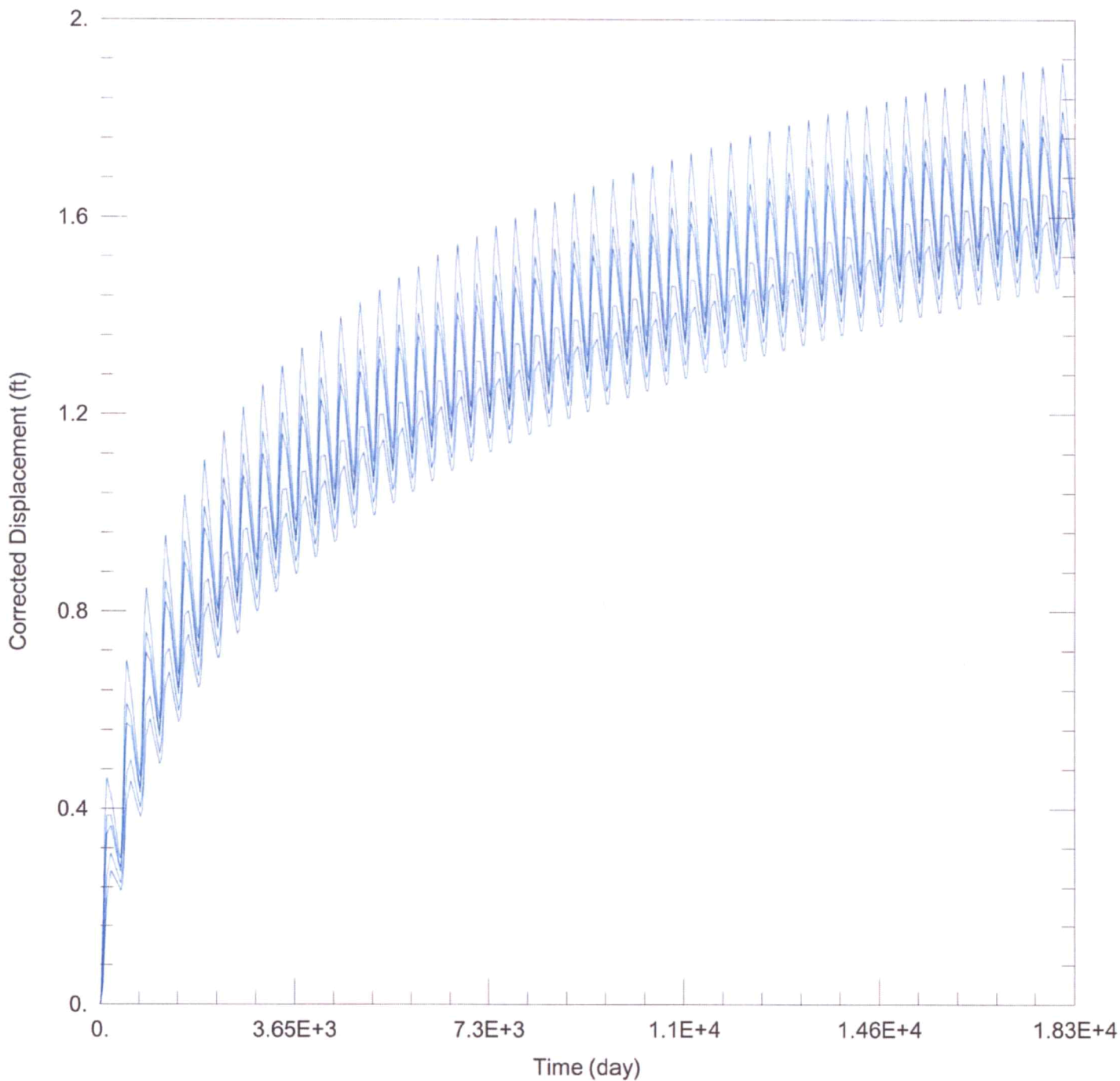
6509 & 41234 & 41525: Drawdown from current location = 1.66 ft  
Drawdown from proposed location = 3.34 ft  
Net drawdown = **1.7 ft**

Domestic 6-32-29: Drawdown from current location = 1.60 ft  
Drawdown from proposed location = 3.19 ft  
Net drawdown = **1.6 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\2022\_moves\33699\33699 Current.aqt  
 Date: 12/21/22 Time: 11:21:11

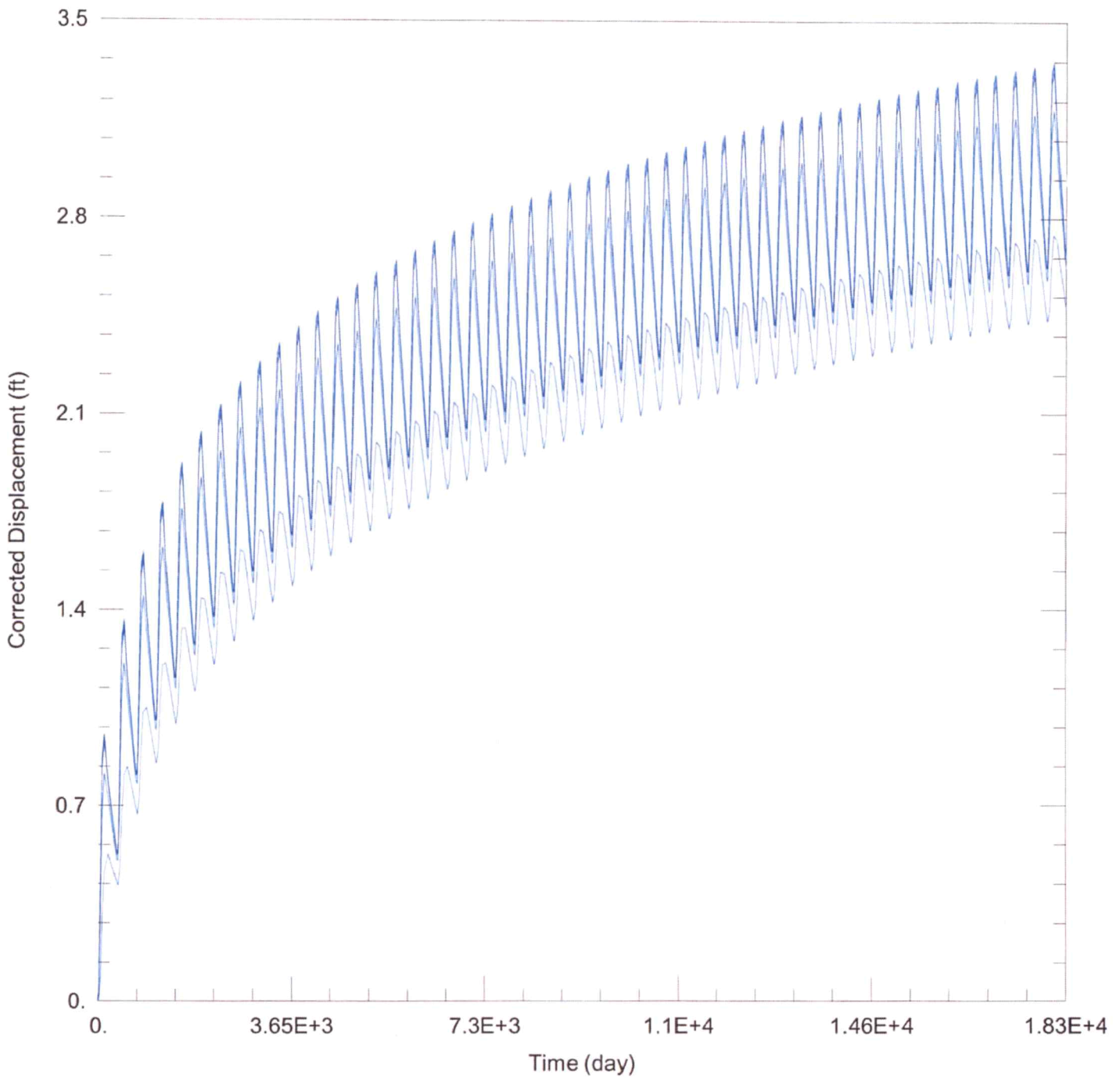
**PROJECT INFORMATION**

Company: GMD 3  
 Project: 33699  
 Location: Meade County

**WELL DATA**

Pumping Wells			Observation Wells		
Well Name	X (ft)	Y (ft)	Well Name	X (ft)	Y (ft)
33699	74298	149394	□	74298	149394





**WELL TEST ANALYSIS**

Data Set: C:\Users\trevora\Documents\2022\_moves\33699\33699 Proposed.aqt  
 Date: 12/21/22 Time: 11:21:04

**PROJECT INFORMATION**

Company: GMD 3  
 Project: 33699  
 Location: Meade County

**WELL DATA**

Pumping Wells			Observation Wells		
Well Name	X (ft)	Y (ft)	Well Name	X (ft)	Y (ft)
33699	75802	149639	□	75802	149639

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

December 12, 2022

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

Re: Request for Recommendation,  
File No. 33699

Dear Sir or Madam:

We are enclosing a copy of the referenced application, which was submitted by Bill Cottrell 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: