

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

1. File Number: 5014	2. Status Change Date:	3. Change Num: C1	4. Field Office: 4	5. GMD: 3
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: 1/7/2022
8a. Applicant(s) New to system <input type="checkbox"/> JERROD L & DARLA F DANIELS 7589 S ROAD B ULYSSES, KS 67880		Person ID 61235 Add Seq# _____	8c. Landowner(s) New to system <input type="checkbox"/> WAYNE A TAYLOR PO BOX 88 RIDDLETON, TN 37151-0088	
8b. Landowner(s) New to system <input type="checkbox"/> MIKE MOFIELD 605 LEBANON HWY CARTHAGE, TN 37030-2948		Person ID 62697 Add Seq# _____	8d. WUC New to system <input type="checkbox"/> 8a	
9. Documents and Enclosure(s): <input checked="" type="checkbox"/> DWR Meter(s) Date to Comply: 12/31/2022 <input checked="" type="checkbox"/> N & P Date to Comply: 3/1/2023				
<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: 3/10/2022 By: AM Date Entered: _____ By: _____				

File No. **5014** 11. County: **GT** Basin: **CIMARRON RIVER** Stream: Formation Code: **211/331** Special Use:

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

DEL 18712
ENT NE SE SE 35 30S 37W 3669 507 910 690 910 690 NONE

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				
CHK 3082																									

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

March 10, 2022

JERROD L & DARLA F DANIELS
7589 S ROAD B
ULYSSES, KS 67880

RE: Filed Office Application for Change
Water Right, File No. 5014

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: Mike Mofield
Wayne Taylor
GROUNDWATER MANAGEMENT DISTRICT NO. 3

CERTIFICATE OF SERVICE

On this 10th day of March, 2022, I hereby certify that the foregoing Approval of Application for Change in Point of Diversion, Water Right, File No. 5,014 dated 10th day of March, 2022 was mailed postage prepaid, first class, US mail to the following:

JERROD L & DARLA F DANIELS
7589 S ROAD B
ULYSSES, KS 67880

Pc:

MIKE MOFIELD
605 LEBANON HWY
CARTHAGE, TN 37030-2948

WAYNE A TAYLOR
PO BOX 88
RIDDLETON, TN 37151-0088

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

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. 5014

RECEIVED
 1:45pm
 JAN 07 2022

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: JERROD DANIELS

Phone Number: () _____ Email address: _____

Name and address of Water Use Correspondent: SAME AS ABOVE

SAVE AS ABOVE

Phone Number: () _____ Email address: _____

3. The presently authorized place of use is:

Owner of Land ---- NAME: WAYNE TAYLOR, MIKE MOFIELD mike.mofieldbros@gmail.com

ADDRESS: _____

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

Sec.	Twp.	Range	NE $\frac{1}{4}$				NW $\frac{1}{4}$				SW $\frac{1}{4}$				SE $\frac{1}{4}$				TOTAL ACRES	
			NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$		

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	NE $\frac{1}{4}$				NW $\frac{1}{4}$				SW $\frac{1}{4}$				SE $\frac{1}{4}$				TOTAL ACRES	
			NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$		

For Office Use Only: Code _____ Fee \$ 200.00 TR # _____ Receipt Date 1-7-22 Check # 4760

5. **Presently authorized point of diversion:**
 One in the SE Quarter of the SE Quarter of the NW Quarter of Section 35, Township 30S South, Range 37W (E/W), in GRANT County, Kansas, 2949 feet North 2977 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 SE NE Quarter of the SE SE Quarter of the NW NE Quarter of Section 35, Township 30 South, Range 37W (E/W), in GRANT County, Kansas, 3669 feet North 507 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 _____

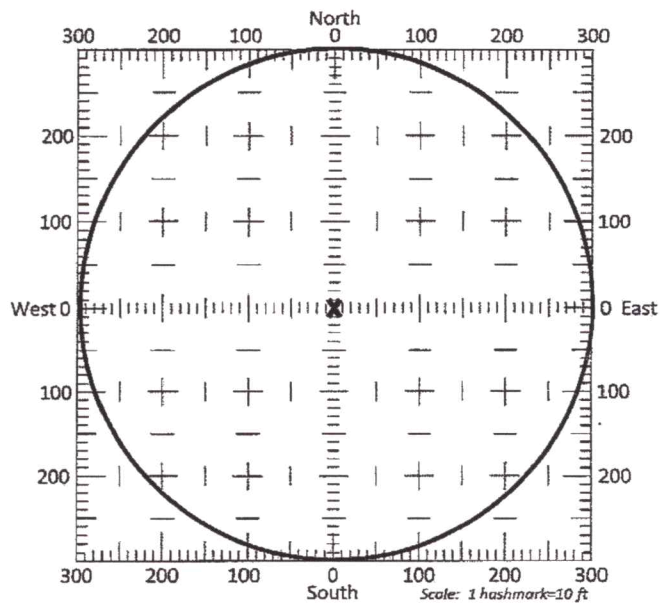
6. **Presently authorized point of diversion:**
 One in the _____ Quarter of the _____ Quarter of the _____ Quarter of Section _____, Township _____ South, Range _____ (E/W), in _____ County, Kansas, _____ feet North _____ feet West of Southeast corner of section.
 Authorized Rate _____ Authorized Quantity _____ 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) _____

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 JG/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 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 _____, Kansas, this _____ day of _____, 20_____.

Jerrold L. Daniels P.O.A.
(Owner)

(Spouse)

Jerrold L. Daniels
(Please Print)

(Please Print)

Jerrold L. Daniels P.O.A.
(Owner)

(Spouse)

Jerrold L. Daniels
(Please Print)

(Please Print)

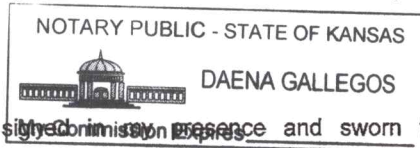
(Owner)

(Spouse)

(Please Print)

(Please Print)

State of Kansas }
County of Grant } SS



I hereby certify that the foregoing application was signed in my presence and sworn to before me this 7th day of January, 2022.

Daena Gallegos
Notary Public

My Commission Expires March 23, 2025

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

JERROD DANIELS

NE 35-30S-37W GRANT CO.

Legend

25

Co Rd 12 S

County Rd 12 S

County Rd 12 S

County Rd 12 S

TH #14-3 ELEV=3078'

#5014
CURRENT
WELL

REDRILL

DDI TH #1 ELEV=3069'

GEOROND

TH #1 ELEV=3064'

IRR WELL WR #GT006 & 9704 ELEV=3065' N37.39710 W1

TH #13-3 ELEV=3089'

WR #5014 ELEV=3091'

TH #13-2 ELEV=3087'

TH #13-1 ELEV=3089'

TH #2 ELEV=3053' N37.39525 W101.31666

TH #14-2 ELEV=3079'

2021 NEW
IRR
WELL

TH #3 ELEV=3051'

3082'

TH #4 ELEV=3062'

TH #14-1 ELEV=3080'

25

MEILE #SV-003 ELEV=3073'

Google Earth

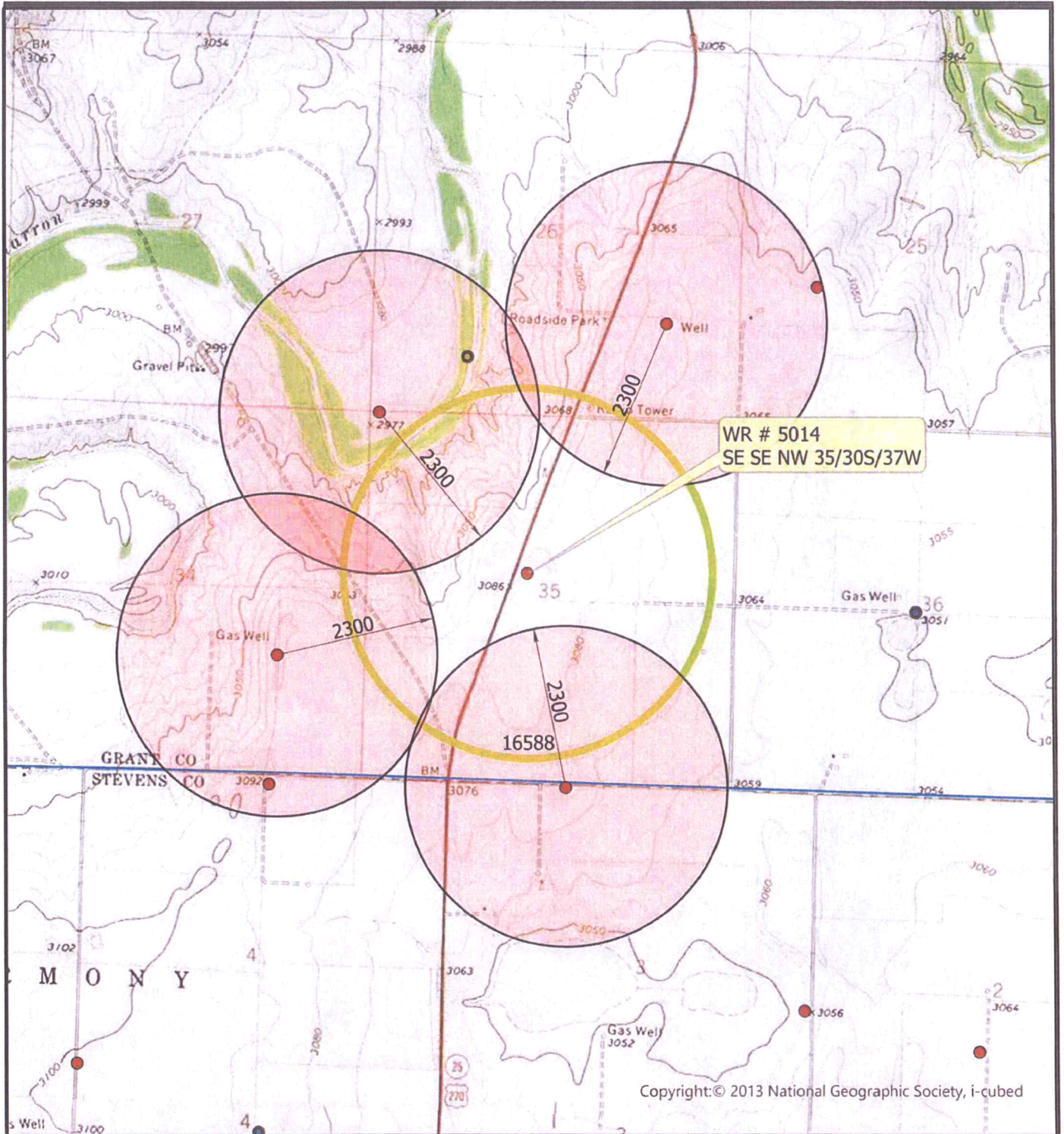
DD



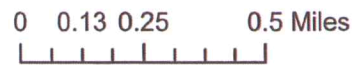
2000 ft

WR #5014

Preliminary Map as of 8/26/2021. Using data given to DWR by customer.
Based on best information that was received and in the DWR files as of the above date



Township 30 South Range 37 West
GT County



1/2 mile radius, maximum distance

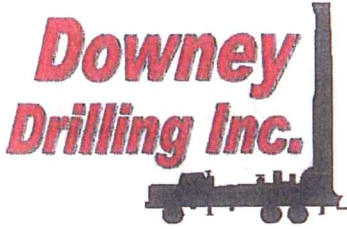
● Point of Diversion

Minimum well spacing of neighboring wells



WELL LOG

DATE: 9/23/2021



CUSTOMER NAME: JERROD DANIELS TH#1

LEGAL: NE 35-30S-37W

COUNTY: GRANT CO, KS

GPS: 37.398237

-101.327398

LOGGER:

DRILLER: ROCKY

WO: 21-108

TW	FROM	TO	TYPE	HARDNESS	COLOR	SPEED	PULL DOWN	OTHER / DRILLING ACTION
	0	2	TOPSOIL	SOFT	DARK BROWN	FAST		SMOOTH
	2	10	BROWN SILTY CLAY	SOFT	BROWN	FAST		SMOOTH
	10	18	BROWN & WHITE CLAY	SOFT	BROWN & WHITE	FAST		SMOOTH
	18	39	SANDY CLAY W/ CALICHE	SOFT	TAN & WHITE	FAST		SMOOTH & CHOPPY
	39	56	FINE-MED-COARSE W/ FINE-MED GRAVEL	STIFF		FAST		FAST CHATTER
	56	73	SANDY CLAY W/ FINE SAND	SOFT	TAN	FAST		SMOOTH
	73	92	CEMENTED SAND W/ FINE-MED-COARSE SAND	HARD		SEMI-SLOW		CHATTER SMOOTH & VIBRATION
	92	120	SANDY CLAY W/ FINE SAND	SOFT	BROWN	FAST		FAST CHATTER
	120	135	FINE-MED-COARSE SAND	FIRM		FAST		FAST CHATTER
	135	160	BROWN STICKY CLAY	STICKY	BROWN	FAST		SMOOTH
	160	209	FINE-MED SAND W/ SANDY CLAY LAYERS	SOFT	TAN	FAST		CHOPPY & SMOOTH
	209	256	FINE-MED-COARSE SAND W/ FINE GRAVEL & LIMEROCK	STIFF		FAST		CHATTER
	256	265	BROWN STICKY CLAY	STICKY	BROWN	FAST		SMOOTH
	265	280	FINE-MED-COARSE SAND	FIRM		FAST		FAST CHATTER
	280	295	BROWN STICKY CLAY	STICKY	BROWN	FAST		SMOOTH
	295	320	FINE-MED-COARSE SAND	FIRM		FAST		FAST CHATTER
	320	346	FINE-MED-COARSE SAND W/ FINE GRAVEL/ LIMEROCK & SANDY CLAY LEDGES	STIFF		FAST		CHATTER
	346	367	FINE-MED-COARSE SAND W/ FINE GRAVEL & LIMEROCK	STIFF		FAST		FAST CHATTER
	367	375	SANDY CLAY W/ FINE SAND & BROWN ROCK	FIRM	TAN & BROWN	SEMI-SLOW		CHOPPY
X	375	390	SOAPSTONE W/ FINE SAND	FIRM	YELLOW & WHITE	SEMI-SLOW		CHOPPY
X	390	405	SANDSTONE W/ FINE SAND	STIFF	YELLOW	SEMI-SLOW		FAST CHATTER
	405	410	FALSE RED BED W/ BROWN CLAY	SOFT	RED & BROWN	SEMI-SLOW		SMOOTH
X	410	505	SANDSTONE W/ FINE SAND	STIFF	YELLOW	SEMI-SLOW		FAST CHATTER
	505	509	BROWN SILTY CLAY	SOFT	BROWN	SEMI-SLOW		SMOOTH
	509	520	RED BED	HARD	RED	SLOW	X	CHATTER
			QUIKGEL - 7					
			WATER LOADS - 2-3/4					
			SODA ASH - 1					
			HOLE PLUG - 2					
			CASING SEAL - 1					

STATIC ESTIMATED



Century GEOPHYSICAL CORP.

JERROD DANIELS

COMPANY : DOWNEY DRILLING INC
WELL : JERROD DANIEL
LOCATION/FIELD : TH#1
COUNTY : GRANT
LOCATION : NE
SECTION : 35

OTHER SERVICES:



TOWNSHIP : 30S RANGE : 37W

DATE : 09/23/21
DEPTH DRILLER : 520
LOG BOTTOM : 514.90
LOG TOP : 0.80

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

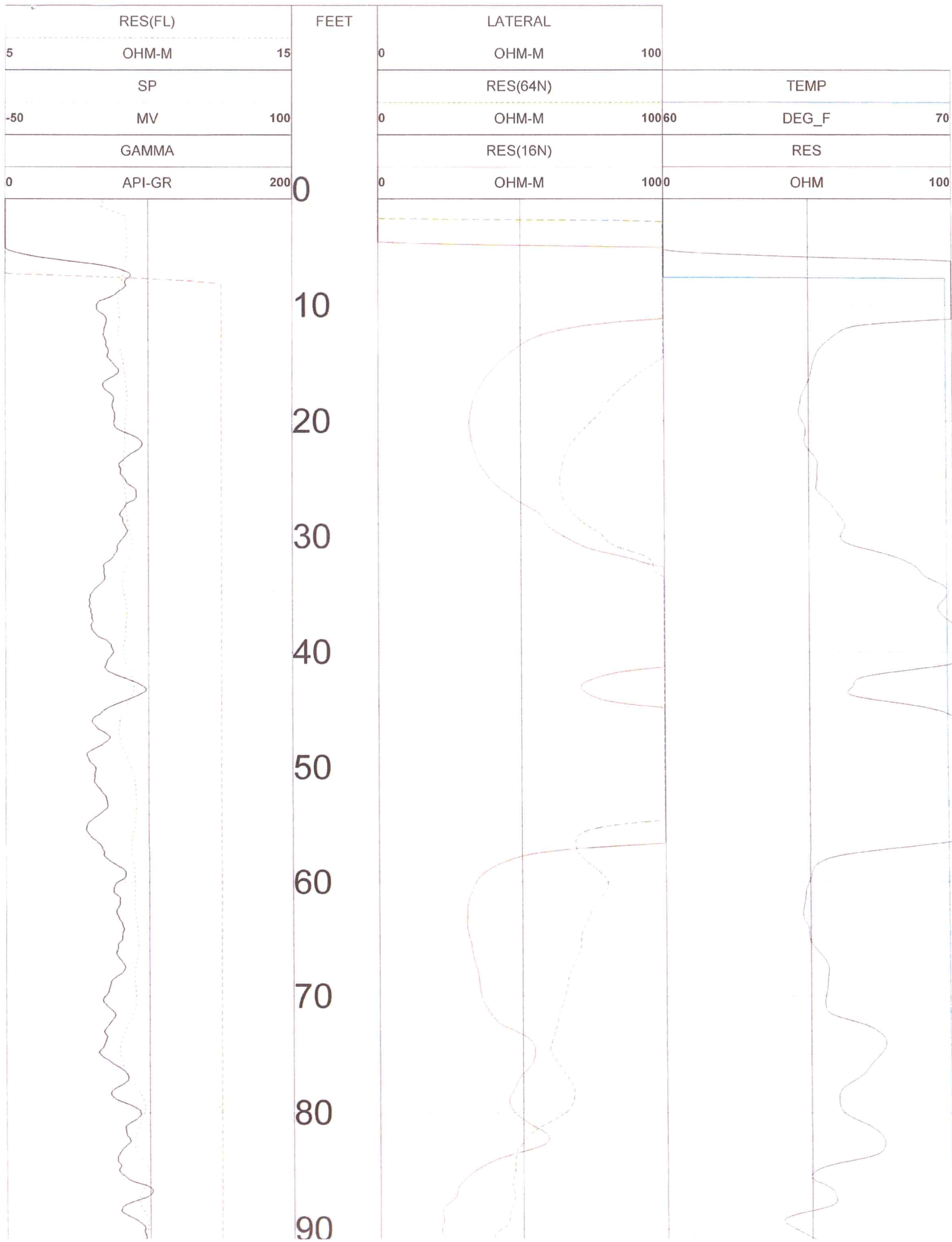
BIT SIZE : 6.25
MAGNETIC DECL. : 0
MATRIX DENSITY : 2.71
NEUTRON MATRIX : LIMESTON

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

FILE : ORIGINAL
TYPE : 8144A
LGDATE: 09/23/21
LGTIME : 17:32:
THRESH: 99999

N 37.39823
W -101.32739

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



100

110

120

130

140

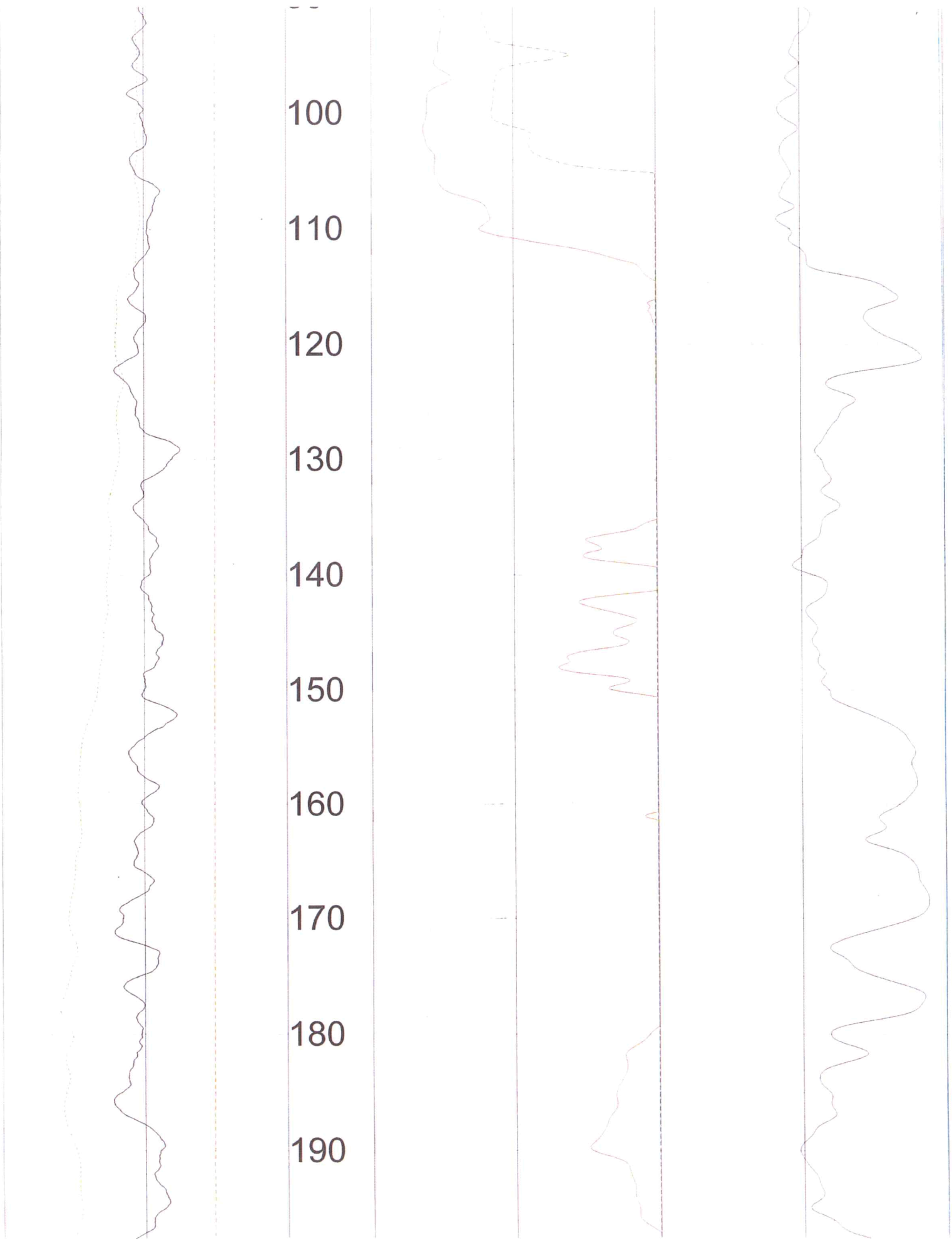
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160

170

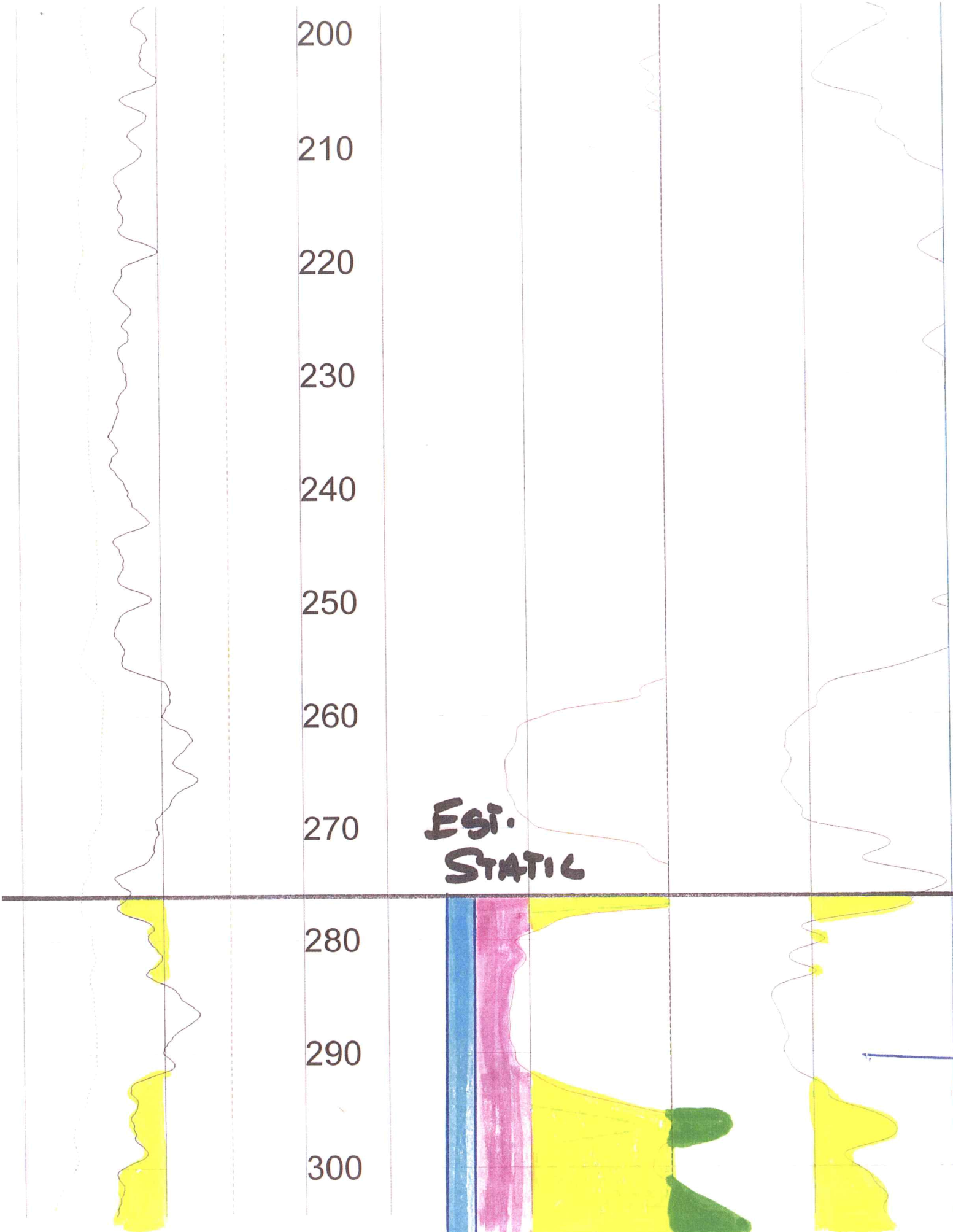
180

190



200
210
220
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260
270
280
290
300

Est.
STATIC



310

320

330

340

350

360

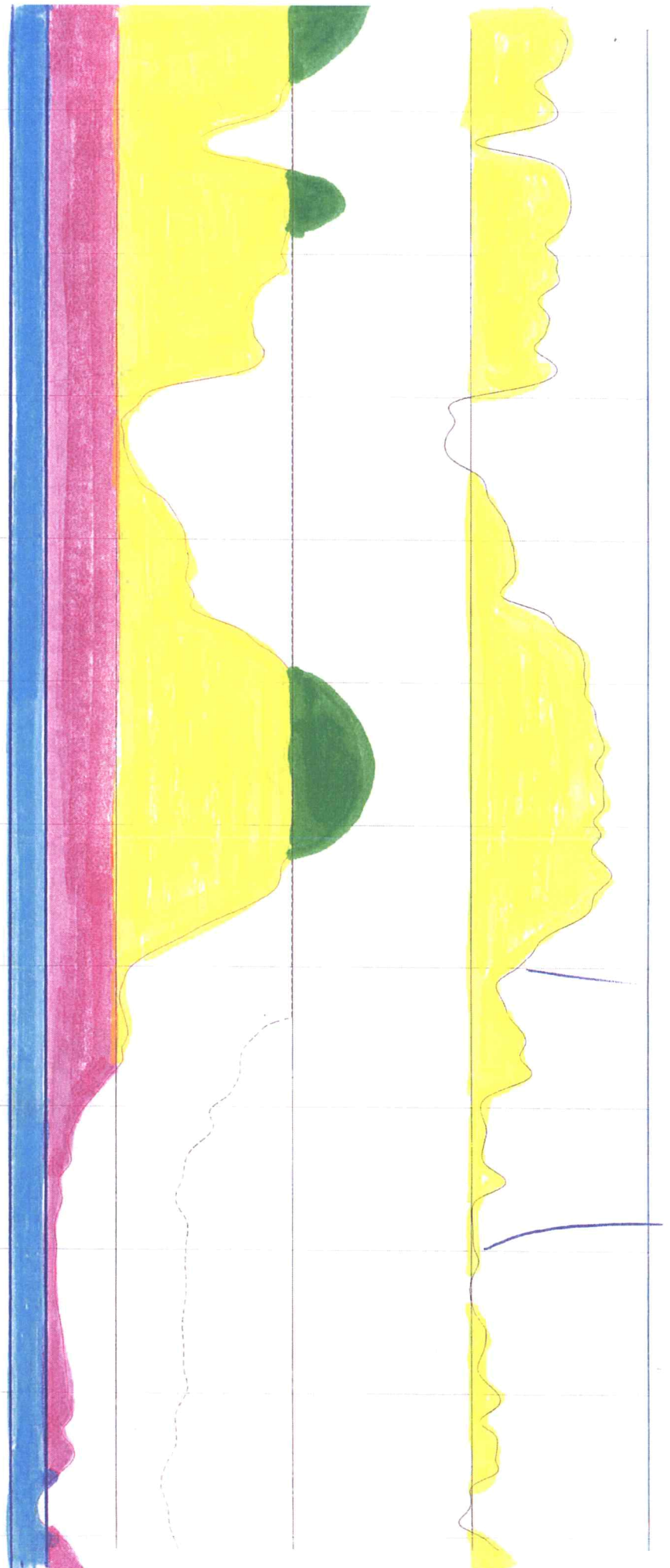
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380

390

400

410



420

430

440

450

460

470

480

490

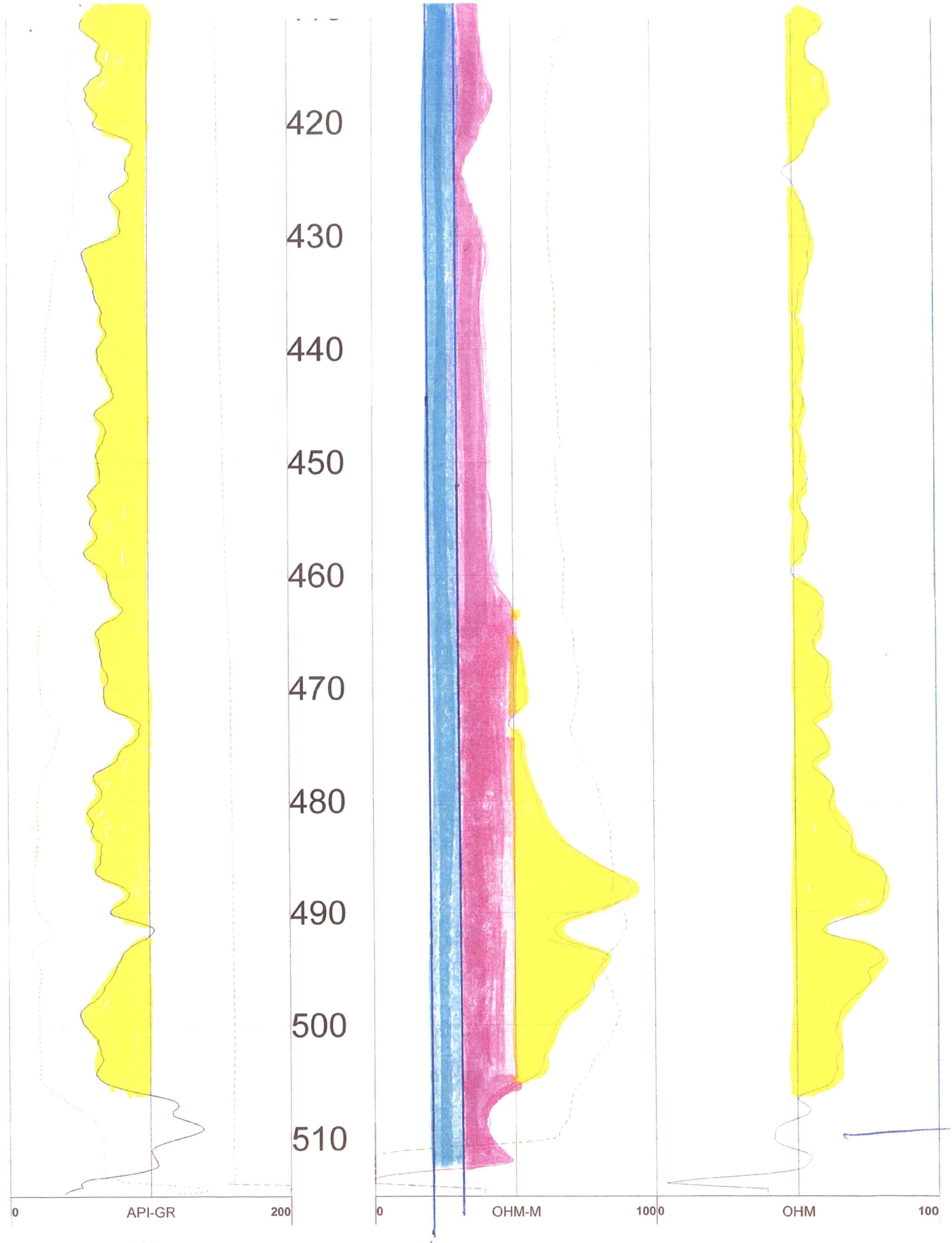
500

510

0 API-GR 200

0 OHM-M 1000

OHM 100



GAMMA		
-50	MV	100
SP		
5	OHM-M	15
RES(FL)		

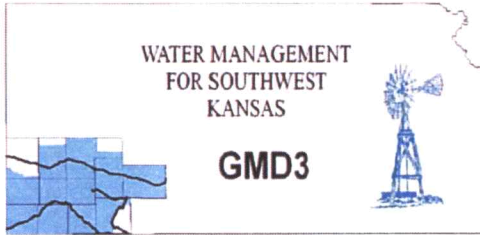
FEET

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

RES		
60	DEG_F	70
TEMP		

TOOL CALIBRATION JERROD DANIELS 09/23/21 17:32
TOOL 8144A TM VERSION 1
SERIAL NUMBER 365

	DATE	TIME	SENSOR		STANDARD		RESPONSE
1	Sep09,20	09:08:33	GAMMA	1.000	[API-GR]	0.000	[CPS]
	Sep09,20	09:08:33	GAMMA	340.000	[API-GR]	292.000	[CPS]
2	Sep09,20	09:32:04	RES(FL)	1.331	[OHM-M]	7595.000	[CPS]
	Sep09,20	09:32:04	RES(FL)	42.720	[OHM-M]	64820.000	[CPS]
3	Sep10,20	08:27:30	SP	0.000	[MV]	327793.313	[CPS]
	Sep10,20	08:27:30	SP	390.000	[MV]	155565.500	[CPS]
4	Sep10,20	08:28:21	RES(16N)	0.000	[OHM-M]	3456.300	[CPS]
	Sep10,20	08:28:21	RES(16N)	1956.000	[OHM-M]	448149.094	[CPS]
5	Sep10,20	08:29:13	RES(64N)	0.000	[OHM-M]	3150.900	[CPS]
	Sep10,20	08:29:13	RES(64N)	1991.800	[OHM-M]	447597.813	[CPS]
6	Sep09,20	09:30:45	TEMP	33.400	[DEG_F]	66910.000	[CPS]
	Sep09,20	09:30:45	TEMP	105.800	[DEG_F]	269401.000	[CPS]
7	Sep10,20	08:29:42	RES	0.000	[OHM]	21274.301	[CPS]
	Sep10,20	08:29:42	RES	945.000	[OHM]	190164.500	[CPS]



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

March 8, 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. 5014

Dear Austin:

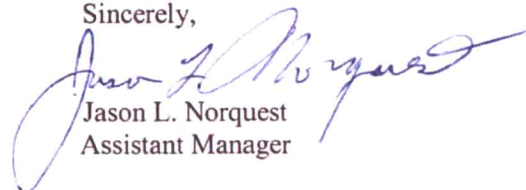
We have completed a review of the application for the above referenced water right. The proposed change in point of diversion is in accordance with current area rules, K.A.R. 5-23-3, as it pertains to minimum spacing to neighboring wells and distance moved.

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 (3.5 ft with saturated thickness between 150-200ft), 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

RECEIVED

MAR 08 2022

Garden City Field Office
Division of Water Resources

GMD3 Change Review

File No(s): 5014 . DWR office: GC.

App filed to change: PD .

Is Landowner(s) correct in WRIS: Jerrod Daniels .

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) being changed.

	ft. North	ft. West	
Authorized PD	2949	2977	Sect 35-30-37
Proposed PD	3669	507	
Difference	-720 n	2470 e	
a ² + b ² = c ²	518400	6100900	2572.8 foot move NE

GPS for proposed PD: Lat: 37.398237 Long: -101.327398.

Is proposed PD stacking on existing WRs? No .

Is Proposed PU overlapping existing WRs? No Change .

Neighboring certified well(s) notified: .

Name Jeremy Ellsaesser (9704, 22052, GT6, possible domestic).

Address 1545 Road X.

Zip Moscow, KS 67952.

Email: jeremyellsaesser@hotmail.com Phone: 620-544-3210.

Name Premier 4 Farms (26016, 28317, possible domestic too).

Address PO Box 518.

Zip Hugoton, KS 67951.

Email: kshaddix@cox.net Phone: 620-544-4545.

Name Bar G Ranch LLC %Dax Gaskill (39666)

Address 951 Road 13.

Zip Hugoton, KS 67951.

Email: daxg@pld.com Phone: 620-544-5343.

Name Marcus & Stacey Howe (SV3).

Address 2373 Road 27.

Zip Moscow, KS 67952.

Email: mwh9425@yahoo.com Phone: 620-255-1879.

Domestic well(s) notified: Not covered by water right ownership .

Name Ramon & Jill Clinesmith (SE SW of 23) .

Address PO Box 598.

GMD3 Change Review

Zip Ulysses, KS 67880.

Base Acres: __.

Perfected Acres: __.

Irr. Return-Flow __%

Grant county.

Authorized 690AF @ 910gpm.

178.7gpm calculated during 2019 field inspection.

Avg water use (2011-2020): 239.2AF/year, 200gpm reported in 2017.

Proposed well to 520' depth.

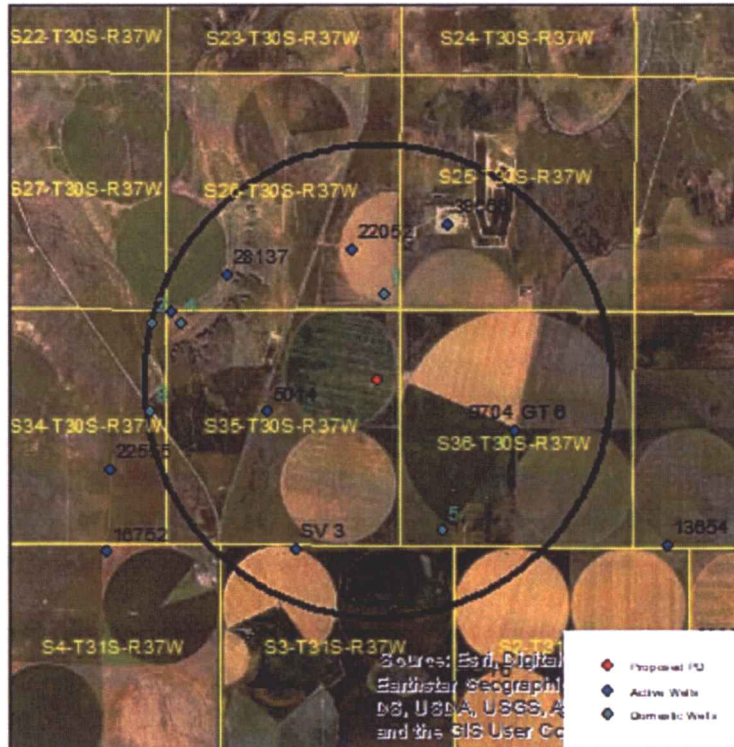
Is a waiver needed: Move is less than half mile. Minimum spacing appears met to neighboring wells. None of the wells exceeded depletion guidelines and no critical wells were found. No response from neighbor notices.

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



Evaluation of proposed move for Water Right No. 5014

Proposed: Move water right no. 5014 to a new well location, 2573 ft to the northeast.



Wells within 1 mile: 28137, 22052, 39666, 26016, GT 6 & 9704, SV 3, and five domestic wells, numbered on the above map.

The saturated thickness at the proposed well location is estimated to be 152 ft, based upon the GMD3 model. For saturated thickness between 150 ft and 200 ft, the drawdown allowance is 3.5 ft.

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

$S = 0.1342$, $T = 11,433.1 \text{ ft}^2/\text{day}$, $t_{p\text{current}} = 302 \text{ days}$, $Q_{\text{current}} = 179 \text{ gpm}$, $t_{p\text{proposed}} = 172 \text{ days}$, $Q_{\text{proposed}} = 910 \text{ gpm}$

Theis drawdowns were calculated as follows:

28137: Drawdown from current location = 1.21 ft
Drawdown from proposed location = 3.46 ft
Net drawdown = **2.3 ft**

22052: Drawdown from current location = 1.10 ft
Drawdown from proposed location = 4.12 ft
Net drawdown = **3.1 ft**

39666: Drawdown from current location = 0.94 ft
Drawdown from proposed location = 3.62 ft
Net drawdown = **2.7 ft**

26016: Drawdown from current location = 1.22 ft
Drawdown from proposed location = 3.14 ft
Net drawdown = **1.9 ft**

GT 6 & 9704: Drawdown from current location = 0.96 ft
Drawdown from proposed location = 3.91 ft
Net drawdown = **3.0 ft**

SV 3: Drawdown from current location = 1.23 ft
Drawdown from proposed location = 3.45 ft
Net drawdown = **2.2 ft**

Domestic 1: Drawdown from current location = 1.14 ft
Drawdown from proposed location = 5.11 ft
Net drawdown = **4.0 ft**

Domestic 2: Drawdown from current location = 1.20 ft
Drawdown from proposed location = 3.02 ft
Net drawdown = **1.8 ft**

Domestic 3: Drawdown from current location = 1.30 ft
Drawdown from proposed location = 3.05 ft
Net drawdown = **1.7 ft**

Domestic 4: Drawdown from current location = 1.28 ft
Drawdown from proposed location = 3.25 ft
Net drawdown = **2.0 ft**

Domestic 5: Drawdown from current location = 1.03 ft
Drawdown from proposed location = 3.71 ft
Net drawdown = **2.7 ft**

Net drawdown exceeds the drawdown allowance of 3.5 ft for the domestic well marked #1 on the map. Critical well analysis is necessary for that well.

Critical Well Evaluation:

Domestic 1:

Water Column = 161 ft

DP = 4.0 ft (Net drawdown from the proposal indicated above)

DE = 35.0 ft (Water level decline from 2022 through 2047 based upon GMD3 model)

DT = 39.0 ft

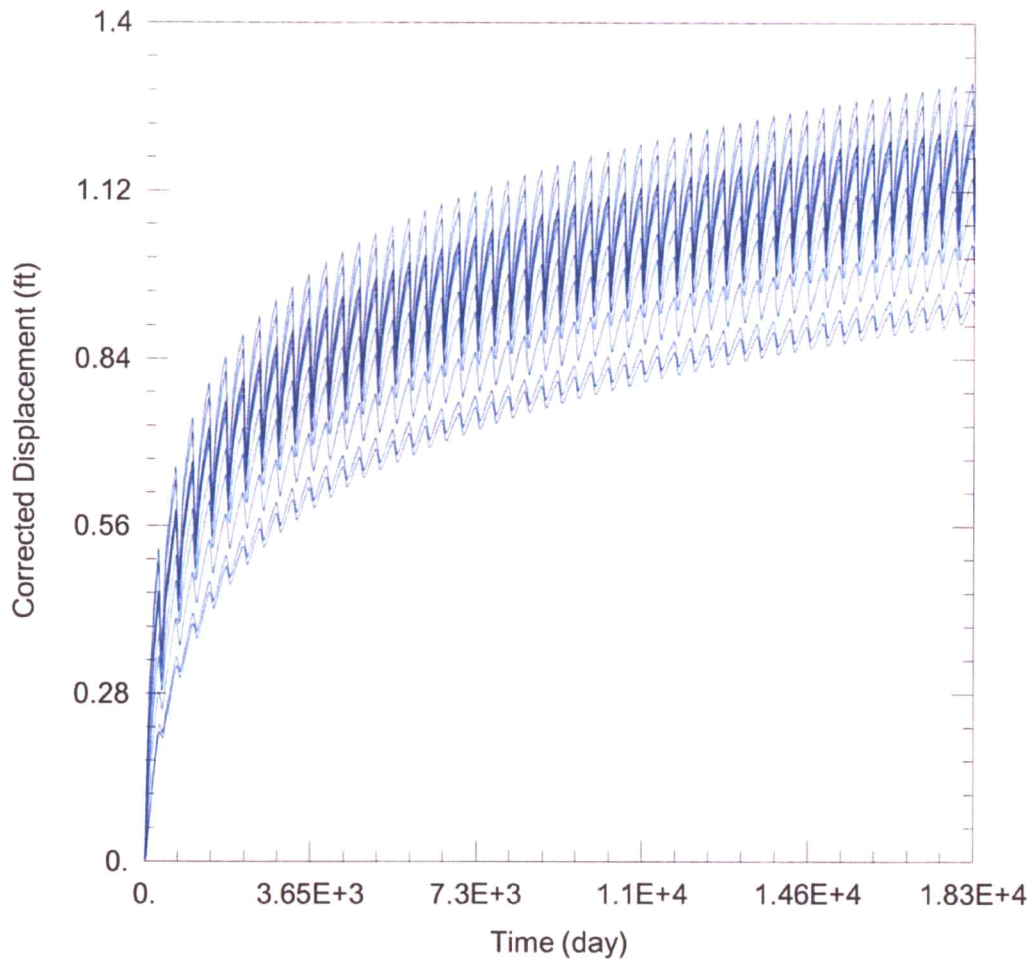
Economic Drawdown Constraint (EDC) = $0.4 * 161 \text{ ft} = 64.4 \text{ ft}$

Physical Drawdown Constraint (PDC) = $161 \text{ ft} - 20 \text{ ft} = 141 \text{ ft}$

Total drawdown of 39.0 ft is less than the EDC and PDC, so this well is **not critical**.

Conclusion:

The proposed move is in an area with a water table in decline, but the proposed well location is of sufficient distance to neighboring wells to limit well-to-well interference. If the proposed well were to operate at its fully authorized rate and quantity, effects on a nearby domestic well would exceed 3.5 ft, but modeled data indicates that there should be sufficient aquifer for this well to remain operational for more than 25 years. GMD3 staff recommends approval of the application.



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2022_moves\5014\5014 Current.aqt
 Date: 02/28/22 Time: 16:14:06

PROJECT INFORMATION

Company: GMD 3
 Project: 5014
 Location: Grant County

WELL DATA

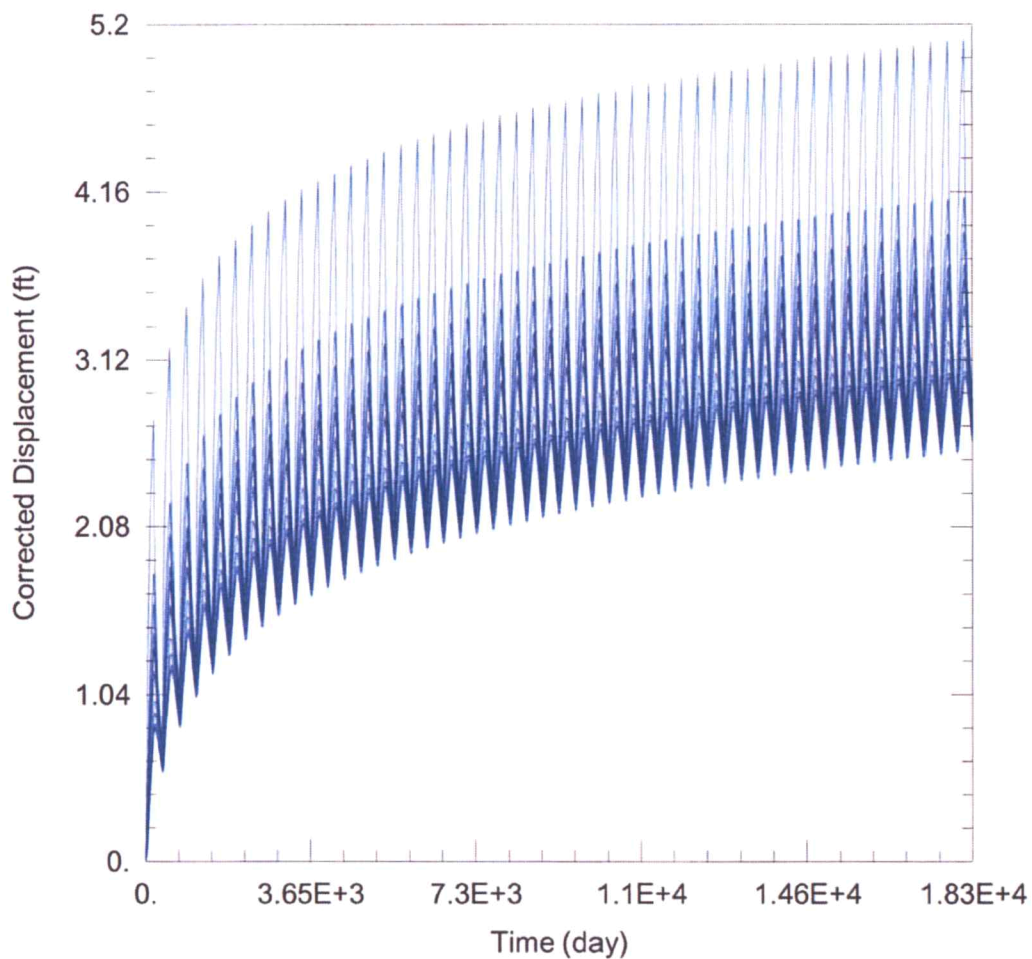
Pumping Wells

Well Name	X (ft)	Y (ft)
5014	-155844	190235

Observation Wells

Well Name	X (ft)	Y (ft)
□	-155844	190235
□ 28137	-156785	193310
□ 22052	-153935	193859
□ 39666	-151782	194440
□ 26016	-158039	192480
□ GT 6 & 9704	-150256	189836
□ SV 3	-155222	187188
□ Domestic 1	-153208	192856
□ Domestic 2	-158485	192213
□ Domestic 3	-158491	190241
□ Domestic 4	-157826	192210
□ Domestic 5	-151895	187589

SOLUTION



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2022_moves\5014\5014 Proposed.aqt
 Date: 02/28/22 Time: 16:13:59

PROJECT INFORMATION

Company: GMD 3
 Project: 5014
 Location: Grant County

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
5014	-153370	190941

Observation Wells

Well Name	X (ft)	Y (ft)
□	-153370	190941
□ 28137	-156785	193310
□ 22052	-153935	193859
□ 39666	-151782	194440
□ 26016	-158039	192480
□ GT 6 & 9704	-150256	189836
□ SV 3	-155222	187188
□ Domestic 1	-153208	192856
□ Domestic 2	-158485	192213
□ Domestic 3	-158491	190241
□ Domestic 4	-157826	192210
□ Domestic 5	-151895	187589

SOLUTION

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

3669 Feet N and 507 Feet W of the Southeast Corner of Section 35 Twp 30S Rng 37W
 Located at: 101.327397 West Longitude and 37.398238 North Latitude
 Both SURFACE WATER and GROUNDWATER

2300' on all

File Number	Use	ST	SR	Dist (ft)	Q4	Q3	Q2	Q1	FeetN	FeetW	Sec	Twp	Rng	ID	Batt	Auth_Quan	Add_Quan
A__ AF	5014 00	IRR	NK	G* <i>↔</i> 2573	--	SE	SE	NW	-----	-----	35	30	37W	1		690.00	690.00
A__ AF	9704 00	IRR	NK	G	3304	--	NE	NE	SW	2598	2654	36	30	37W	3	343.00	343.00
A__ AF	22052 00	IRR	NK	G	2971	--	SW	NE	SE	1330	1055	26	30	37W	3	216.00	216.00
A__ AF	26016 00	IRR	NK	G	4916	--	NW	NW	NW	5180	5200	35	30	37W	2	483.00	483.00
A__ AF	28137 00	IRR	NK	G	4287	--	NW	SE	SW	950	3950	26	30	37W	4	246.00	246.00
A__ AF	39666 00	STK	NK	G	3842	--	SE	NW	SW	1950	4200	25	30	37W	4	23.59	23.59
VGT AF	6 00	IRR	AA	G	3304	--	NE	NE	SW	2598	2654	36	30	37W	3	420.00	420.00
VSV AF	3 00	IRR	AA	G	4151	--	--	--	--	5312	3549	3	31	37W	4	518.00	518.00

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) =	2001.59	.00
Total Vested Amount (AF) =	938.00	.00
TOTAL AMOUNT (AF) =	2939.59	.00

Spacing appears METI

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:

3669 Feet North and 507 Feet West of the Southeast Corner of Section 35 Twp 30S Rng 37W
 Located at: 101.327397 West Longitude and 37.398238 North Latitude
 Both SURFACE WATER and GROUNDWATER
 WATER USE CORRESPONDENTS:

File Number Use ST SR

> MIKE MOFIELD

>

> 605 LEBANON HWY
 > CARTHAGE TN 37030

Application

> JEREMY ELLSAESSER

>

> 1545 ROAD X
 > MOSCOW KS 67952

9704

> JEREMY ELLSAESSER

>

> 1545 ROAD X
 > MOSCOW KS 67952

22052

> PREMIER 4 FARMS

>

26016

> PO BOX 518
> HUGOTON KS 67951

> -----
> PREMIER 4 FARMS

> PO BOX 518
> HUGOTON KS 67951

28137

> BAR G RANCH LLC
> DAX GASKILL
> 951 ROAD 13
> HUGOTON KS 67951

39666

> -----
> JEREMY ELLSAESSER

> 1545 ROAD X
> MOSCOW KS 67952

GT6

> -----
> MARCUS & STACEY HOWE

> 2373 ROAD 27
> MOSCOW KS 67952

SU3

> -----
=====

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 24, 2022

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

Re: Request for Recommendation,
File Nos. 5014

Dear Sir or Madam:

We are enclosing a copy of the referenced application, which was submitted by Jerrod Daniels 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 so 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: