

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

1. File Number: <b>1958</b>	2. Status Change Date: <i>12-21-2021</i>	3. Change Num: <b>C1</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>12/08/2021</b>
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8a. Landowner, WUC, Applicant(s) New to system <input type="checkbox"/> Person ID <b>68012</b> Add Seq# _____  <b>JORDAN HEFNER AG INC</b> <b>PO BOX 805</b> <b>SUBLETTE, KS 67877</b>	8c. Landowner(s) New to system <input type="checkbox"/> Person _____ Add Seq# _____
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8b. Landowner(s), New to system <input checked="" type="checkbox"/> Person ID _____ Add Seq# _____	8d. WUC New to system <input type="checkbox"/> Person ID _____ Add Seq# _____
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9. Documents and Enclosure(s):  DWR Meter(s) Date to Comply: **12/31/2022**     N & P Date to Comply: **3/1/2023**

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: **12/21/2021**    By: **MAM**  
 Date Entered: \_\_\_\_\_    By: \_\_\_\_\_

File No. **1958**      11. County: HS      Basin: ARKANSAS RIVER      Stream:      Formation Code: **211/331**      Special Use:

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

**DEL 40214**

ENT	Qualifier	S	T	R	ID	'N	'W	Comment (AKA Line)	Rate gpm	Quantity af	Rate gpm	Quantity af	Overlap PD Files
	SWSWNE	2	29S	33W		2851	2434		1000	640	1000	640	8600

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
						NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼				
<b>CHK 8244</b>																									
<b>CHK 22740</b>																									

Base Acres:      Year:      Minimum Reasonable Quantity:

Comments:

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



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

Mike Beam, Secretary

Laura Kelly, Governor

December 21, 2021

JORDAN HEFNER AG INC  
PO BOX 805  
SUBLETTE, KS 67877

RE: Field Office Application for Change  
Water Right, File Nos. 1958 & 8600

Dear Sir:

Enclosed are orders 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 numbers.

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 orders modify the original documents referred to above, they 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 "Michael A. Meyer".

Michael A. Meyer  
Water Commissioner

MAM  
enclosures

pc:

Groundwater Management District No. 3

**CERTIFICATE OF SERVICE**

On this 21<sup>st</sup> day of December 2021, I hereby certify that the foregoing Approval of Application for Change in Point of Diversion, Water Right, File Nos. 1,958 & 8,600 dated 21<sup>st</sup> day of December 2021 was mailed postage prepaid, first class, US mail to the following:

JORDAN HEFNER AG INC  
PO BOX 805  
SUBLETTE, KS 67877

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. 1958

**RECEIVED**  
 9:00 AM  
 DEC 08 2021

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

Place of Use                       Point of Diversion

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

The source of supply is:                       Groundwater                       Surface water

Garden City Field Office  
 Division of Water Resources

2. Name and address of Applicant: JORDAN HEFNER ~~AS ABOVE~~

PO BOX 805 SUBLETTE KS 67877

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

Name and address of Water Use Correspondent: SAME AS ABOVE

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 TR # \_\_\_\_\_ Receipt Date 12-8-21 Check # 12277

5. **Presently authorized point of diversion:**  
 One in the NC S2 Quarter of the SW Quarter of the NE Quarter of Section 2, Township 29 South, Range 33 W, in Haskell County, Kansas, 2900 feet North 2000 feet West of Southeast corner of section. Authorized Rate            Authorized Quantity            Depth of well            (feet)  
**(DWR use only: Computer ID No. 01 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 SW Quarter of the SW Quarter of the NE Quarter of Section 2, Township 29 South, Range 33 W, in Haskell County, Kansas, 2851 feet North 2434 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 8600 760

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

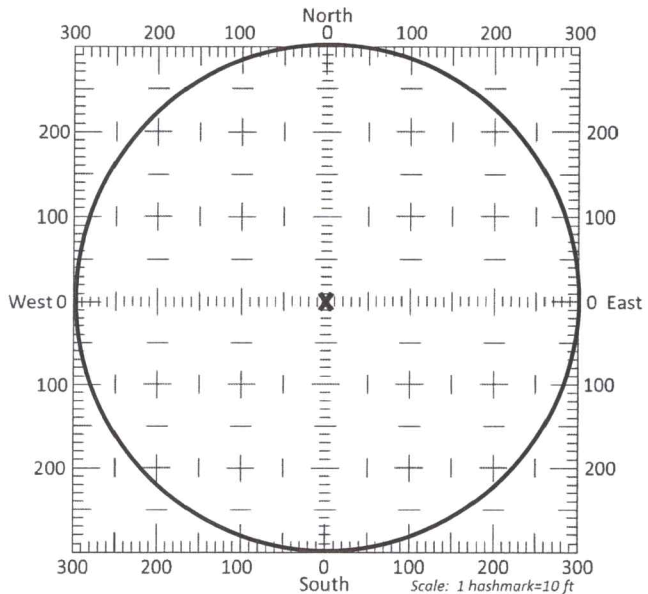
9. The change(s) (was)(will be) completed by?  
          

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 HH / 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.)

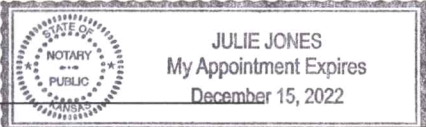
If the application proposes a surface water change in point of diversion, a groundwater change in point of diversion greater than 300 feet, or a change in place of use, the application must be signed by all owners of the currently authorized place of use, or their duly authorized agent (attach notarized 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 Garden City, Kansas, this 8<sup>th</sup> day of December, 2021.

<p><u>[Signature]</u>          _____          (Owner)  <u>Jordan Helmer</u>          _____          (Please Print)</p>	<p>_____          (Spouse)          _____          (Please Print)</p>
<p>_____          (Owner)          _____          (Please Print)</p>	<p>_____          (Spouse)          _____          (Please Print)</p>
<p>_____          (Owner)          _____          (Please Print)</p>	<p>_____          (Spouse)          _____          (Please Print)</p>

State of Kansas }  
 County of Finney } SS  
 I hereby certify that the foregoing application was signed in my presence and sworn to before me this 8<sup>th</sup> day of December, 2021.



[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

**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. 1958

1. A change application was received on December 8, 2021 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, 2022**, 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, 2022**, or within any authorized extension of time. By March 1, 2023 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: \_\_\_\_\_  
Duly Authorized Designee of the Chief Engineer  
(Print Name): MICHAEL A. MEYER  
Division of Water Resources - Kansas Department of Agriculture

Date of Issuance: December 21, 2021

State of Kansas )  
) SS

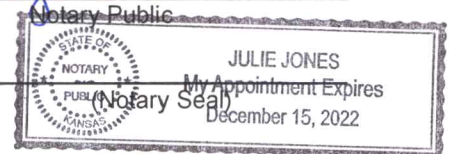
County of Stimney )

Acknowledged before me on December 21, 2021

by Michael A. Meyer

Signature: Julie Jones

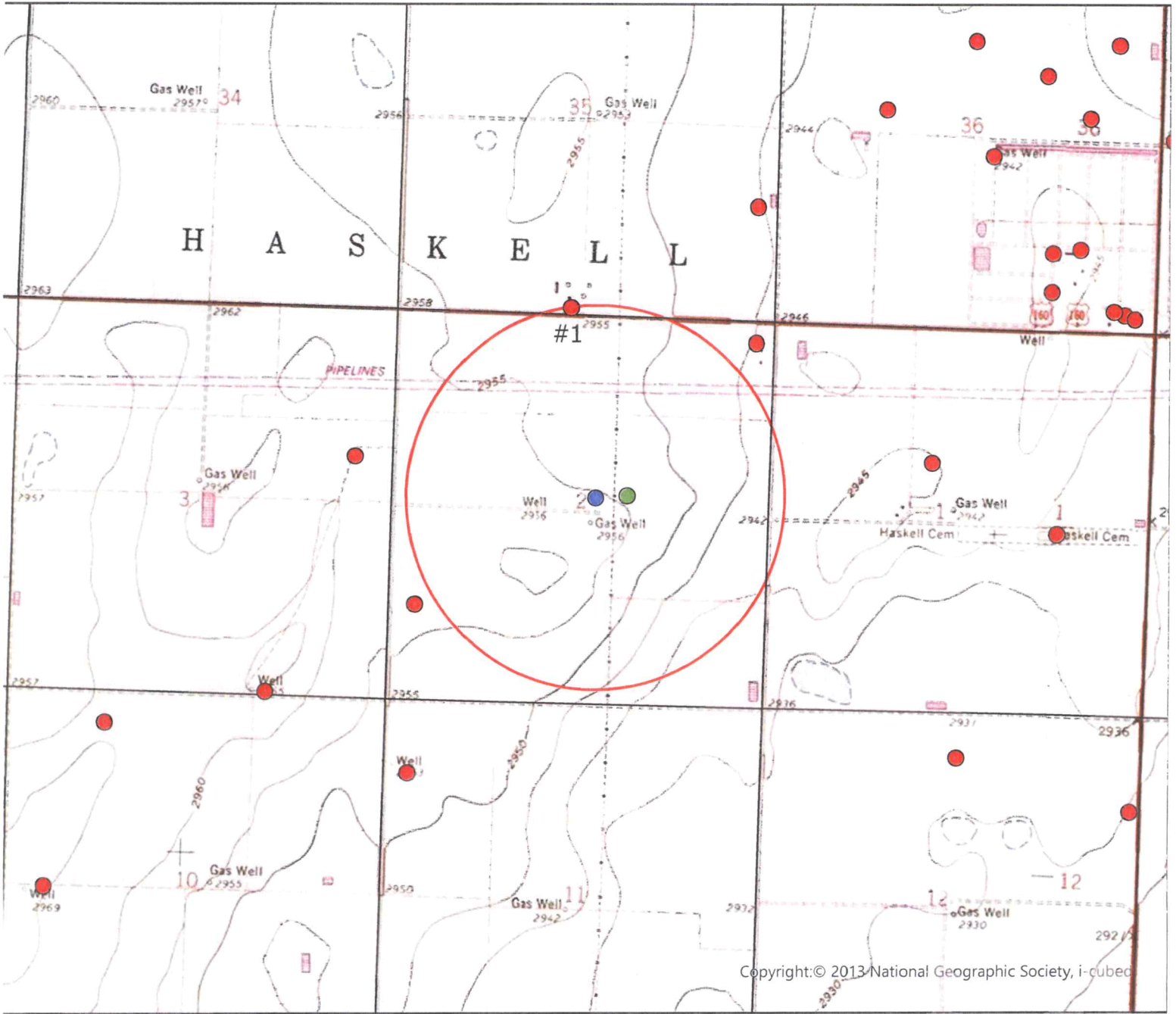
My commission expires: \_\_\_\_\_





# CHANGE IN POINT OF DIVERSION WATER RIGHT, FILE NO. 1958

Section 2 Township 29 South Range 33 West Haskell County



Copyright: © 2013 National Geographic Society, i-cubed

- Authorized Point of Diversion
- Proposed Point of Diversion
- ★ Domestic Wells within 1/2 mile
- Permitted Wells within 1/2 mile
- 1/2 Mile Buffer

List of owner name and addresses within 1/2 mile:  
 #1 File No. 16878-01  
 BROWN ENTERPRISES



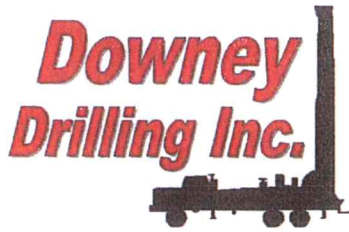
All wells of any kind within 1/2 mile of the proposed point of diversion have been plotted.

(Signature) \_\_\_\_\_ Date \_\_\_\_\_

Date: 12/3/21 HH/GCFC  
 Scale: 1:24,000

# WELL LOG

DATE: 11/18/2021



CUSTOMER NAME: JORDAN HEFNER TH#1

LEGAL: NE 2-29N-33W

COUNTY: HASKELL CO, KS

GPS: 37.555461

-100.897511

LOGGER:

DRILLER: BOB & DIEGO

WO: 21-549

TW	FROM	TO	TYPE	HARDNESS	COLOR	SPEED	PULL DOWN	OTHER / DRILLING ACTION
0	2		TOPSOIL	SOFT	DARK BROWN	FAST		SMOOTH
2	12		BROWN SILTY CLAY	SOFT	BROWN	FAST		SMOOTH
12	34		SANDY CLAY	SOFT	BROWN	FAST		SMOOTH
34	58		SANDY CLAY W/ CALICHE	STIFF	BROWN & WHITE	FAST		CHOPPY
58	66		SANDY CLAY W/ FINE SAND	SOFT	BROWN	FAST		SMOOTH
66	84		SANDY CLAY W/ FINE-MED SAND	SOFT	BROWN	FAST		VIBRATION
84	94		FINE-MED-COARSE SAND	STIFF		FAST		FAST CHATTER
94	97		FINE-MED-COARSE SAND	FIRM	BROWN	FAST		CHATTER
97	103		CEMENTED SAND W/ FINE-MED SAND & SANDY CLAY LEDGES	FIRM	BROWN	FAST		CHATTER
103	135		FINE-MED-COARSE SAND	STIFF		FAST		FAST CHATTER
135	154		FINE-MED-COARSE SAND W/ FINE-MED GRAVEL	STIFF		FAST		CHATTER
154	175		FINE-MED-COARSE SAND W/ FINE GRAVEL	STIFF		FAST		FAST CHATTER
175	180		SANDY CLAY	SOFT	BROWN	FAST		SMOOTH
180	193		FINE-MED-COARSE SAND W/ FINE GRAVEL	STIFF		FAST		FAST CHATTER
193	197		SANDY CLAY	SOFT	BROWN	FAST		SMOOTH
197	199		FINE-MED-COARSE SAND W/ FINE-MED GRAVEL	STIFF		FAST		CHATTER
199	200		BROWN STICKY CLAY	STICKY	BROWN	FAST		SMOOTH
200	213		FINE-MED-COARSE SAND W/ FINE GRAVEL	STIFF		FAST		FAST CHATTER
213	215		BROWN STICKY CLAY	STICKY	BROWN	FAST		SMOOTH
215	223		FINE-MED-COARSE SAND	STIFF		FAST		FAST CHATTER
223	231		FINE-MED SAND	SOFT		FAST		VIBRATION
231	237		STICKY CLAY	STICKY	BROWN & BLUE	FAST		SMOOTH
237	253		FINE-MED-COARSE SAND	STIFF		FAST		FAST CHATTER
253	258		FINE-MED-COARSE SAND	STIFF		FAST		FAST CHATTER
258	260		STICKY CLAY	STICKY	BROWN & BLUE	FAST		SMOOTH
260	296		FINE-MED-COARSE SAND W/ FINE GRAVEL & STICKY CLAY LEDGES	STIFF		FAST		FAST CHATTER
296	315		STICKY CLAY	STICKY	BLUE & BROWN	FAST		SMOOTH
315	363		FINE-MED-COARSE SAND W/ FINE-MED GRAVEL	STIFF		FAST		FAST CHATTER
363	375		FINE-MED-COARSE SAND W/ FINE-MED GRAVEL & STICKY CLAY LEDGES	STIFF	BROWN	FAST		CHOPPY
375	399		FINE-MED-COARSE SAND W/ FINE-MED GRAVEL	STIFF		FAST		FAST CHATTER
399	415		FINE-MED-COARSE SAND W/ FINE-MED-LARGE GRAVEL	FIRM		FAST		CHATTER
415	422		SANDY CLAY W/ FINE SAND	SOFT	TAN			CHOPPY
422	431		FINE-MED-COARSE SAND W/ SANDY CLAY LAYERS	FIRM		FAST		FAST CHATTER
431	453		SANDY CLAY W/ FINE-MED-COARSE SAND	SOFT	TAN	FAST		SMOOTH & CHOPPY
453	465		FINE-MED-COARSE SAND W/ FINE GRAVEL & SANDY CLAY LEDGES	STIFF	TAN	FAST		FAST CHATTER
465	472		FINE-MED-COARSE SAND W/ FINE-MED GRAVEL	STIFF		FAST		FAST CHATTER



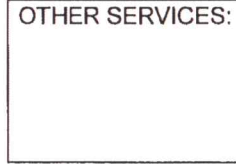


# Century GEOPHYSICAL CORP.

JORDAN HEFNER

COMPANY : DOWNEY DRILLING INC  
WELL : JORDAN HEFNE  
LOCATION/FIELD : TH#1  
COUNTY : HASKELL  
LOCATION : NE  
SECTION : 2

OTHER SERVICES:



TOWNSHIP : 29 RANGE : 33

DATE : 11/18/21  
DEPTH DRILLER : 760  
LOG BOTTOM : 761.90  
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

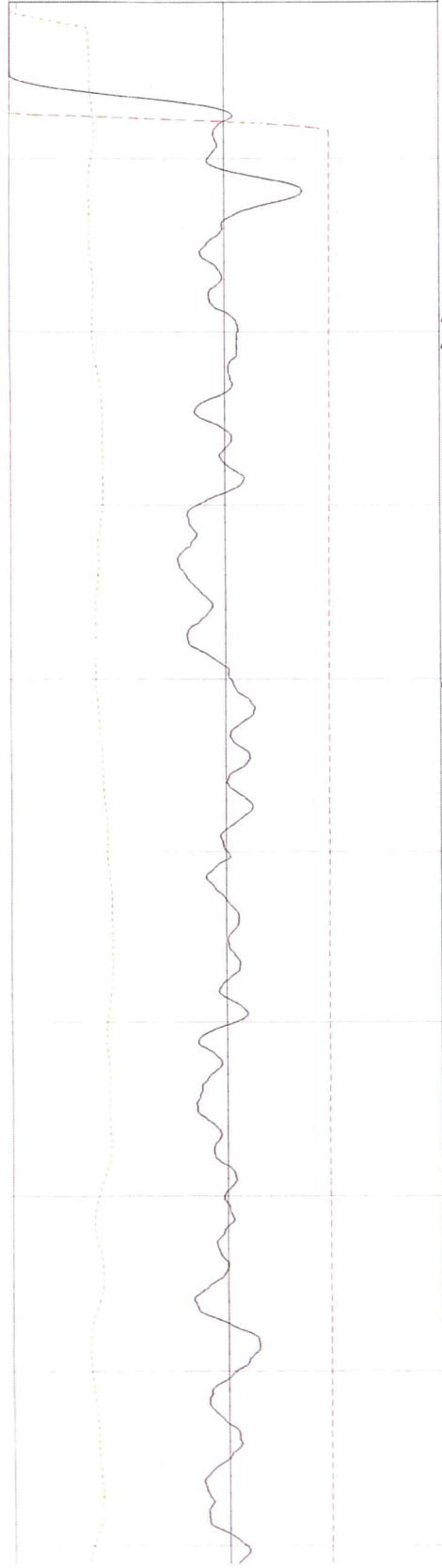
FILE : ORIGINAL  
TYPE : 8144A  
LGDATE: 11/18/21  
LGTIME : 15:47:  
THRESH: 99999

N 37.55546  
W -100.89751

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

	RES(FI)	
5	OHM-M	15
	SP	
0	MV	-250
	GAMMA	
0	API-GR	200

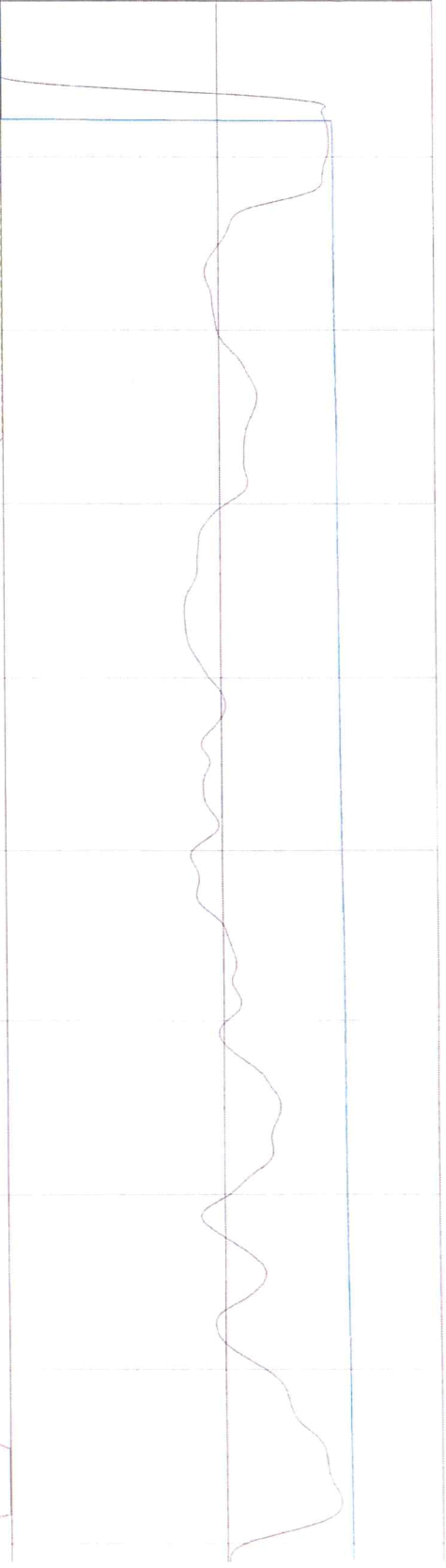
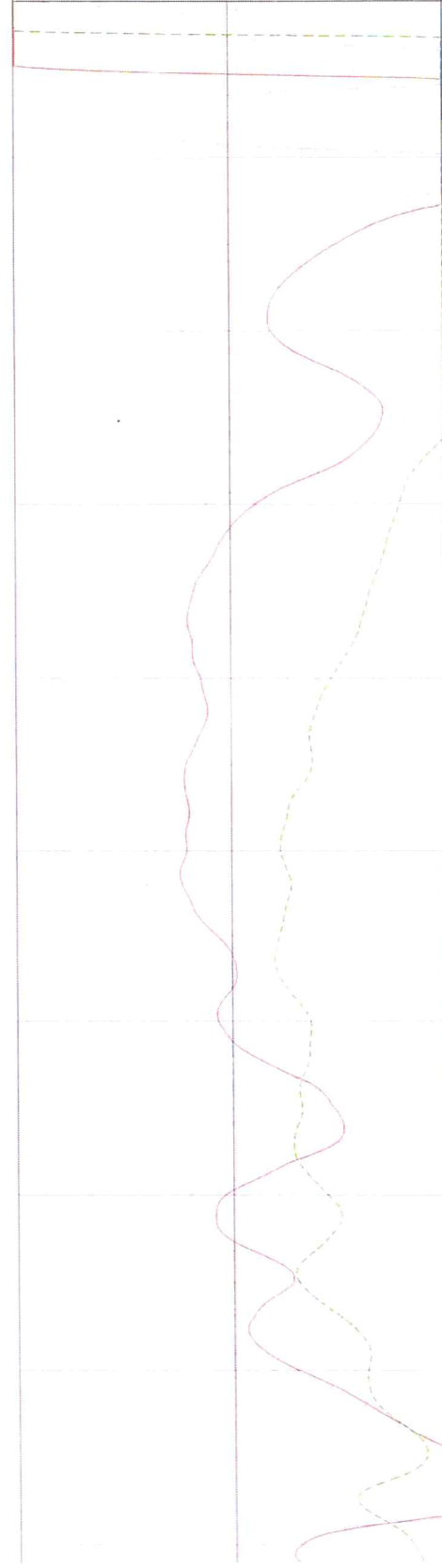
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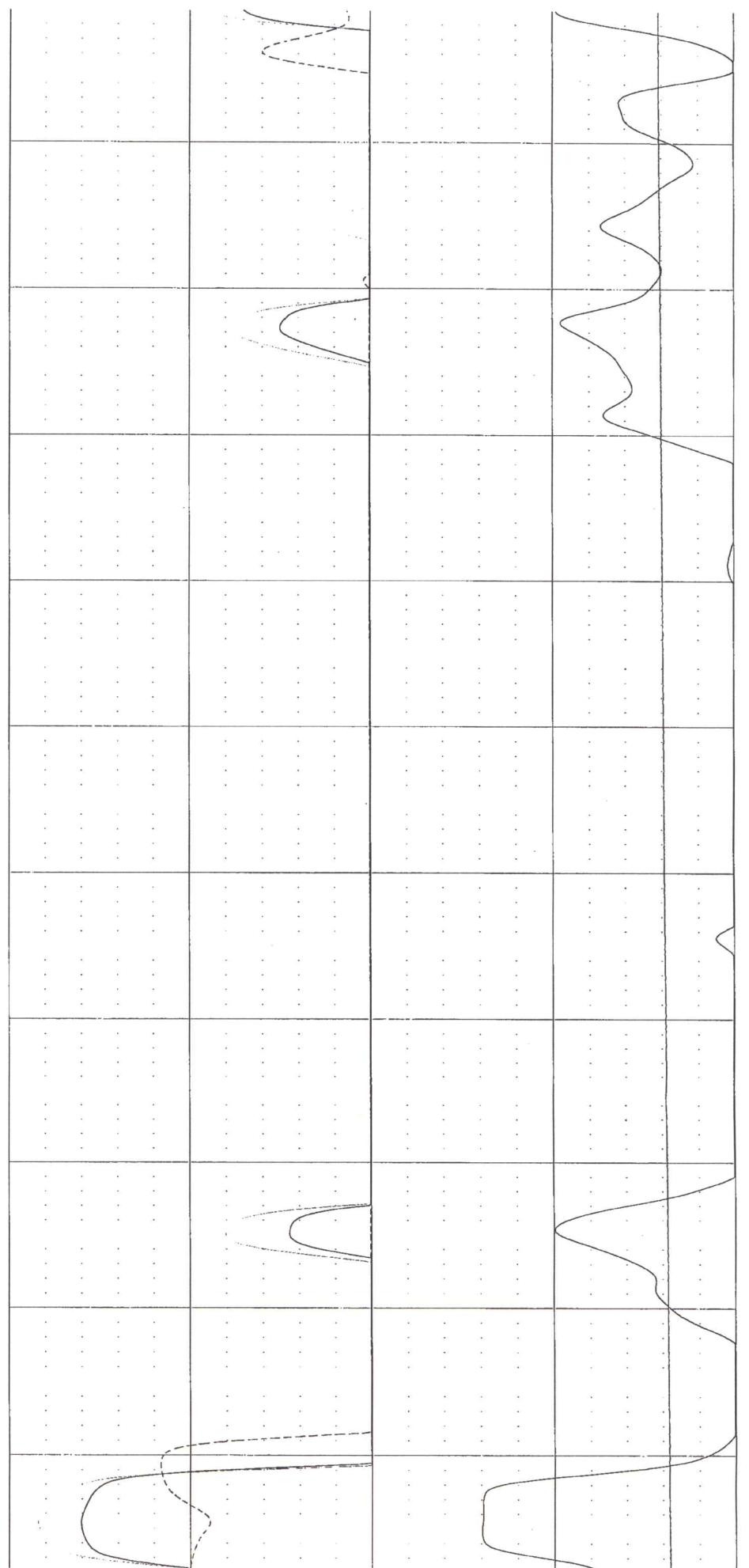
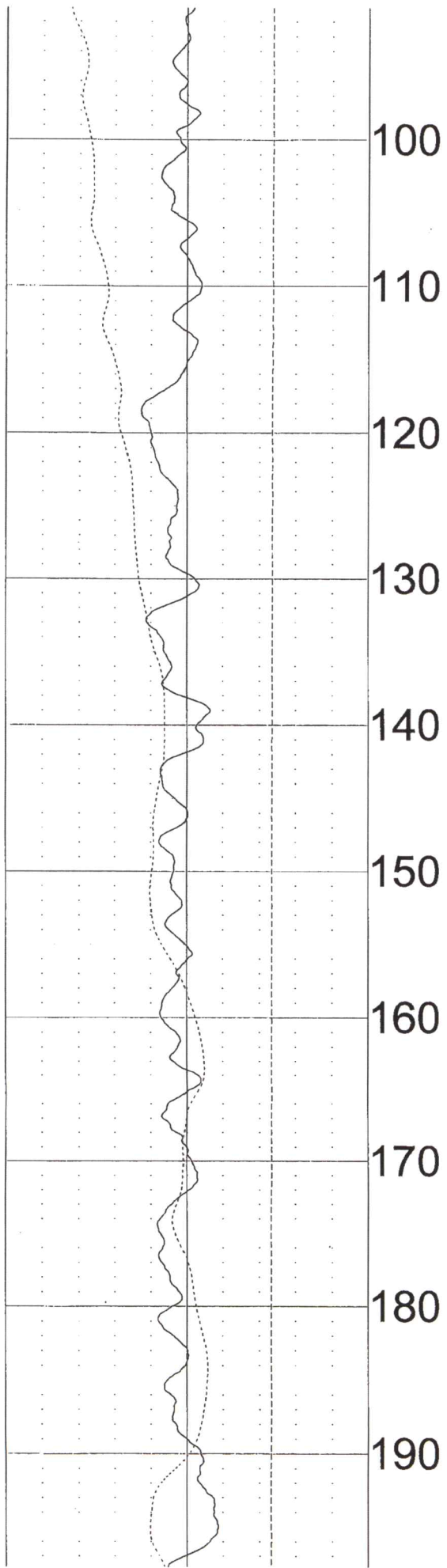


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	LATERAL	
0	OHM-M	100
	RES(64N)	
0	OHM-M	10060
	RES(16N)	
0	OHM-M	1000

	TEMP	
	DEG_F	70
	RES	
	OHM	100





200

210

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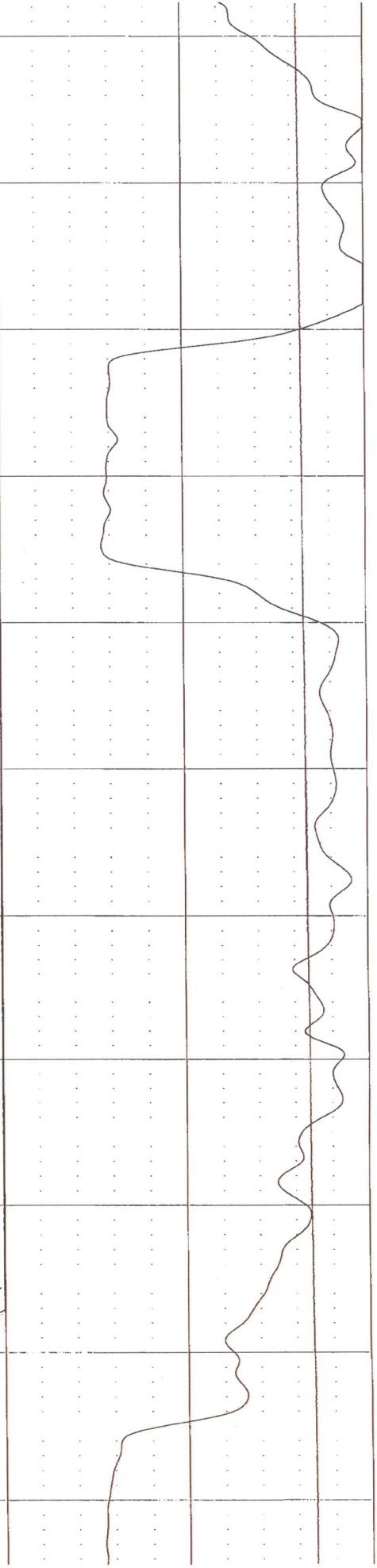
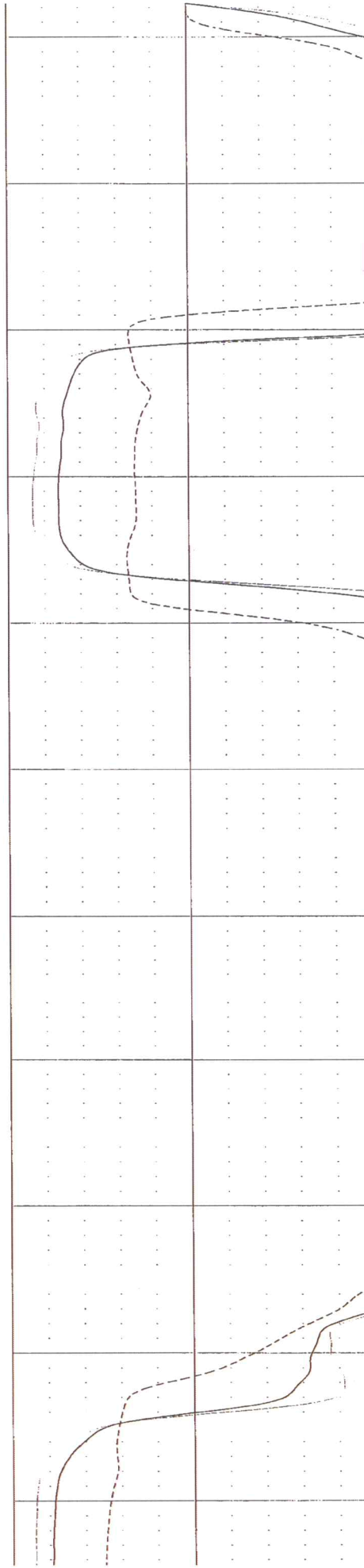
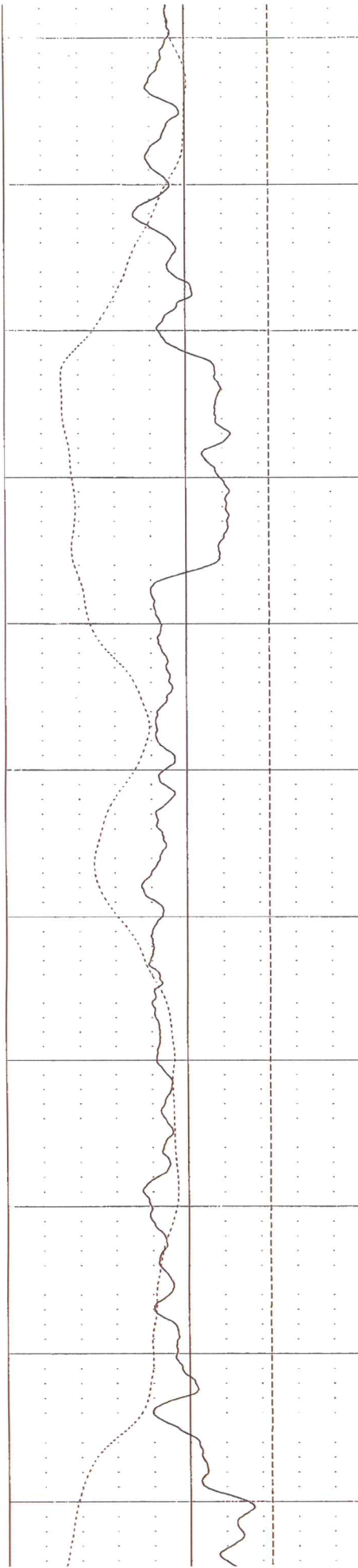
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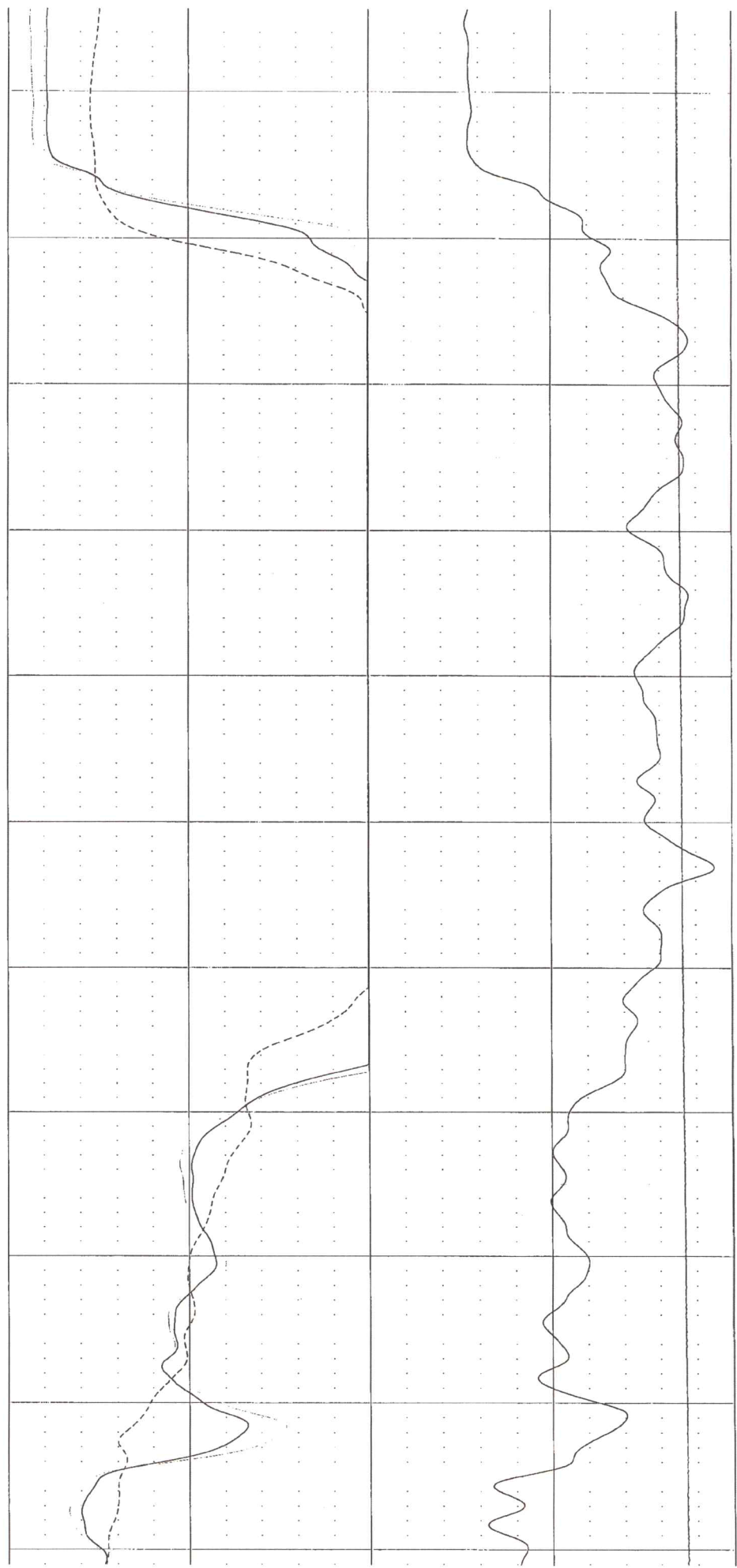
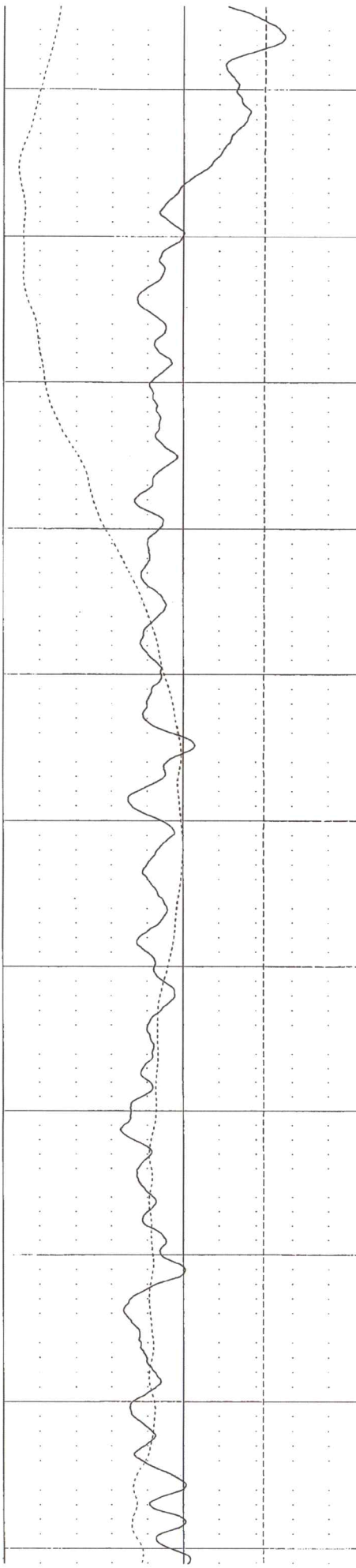
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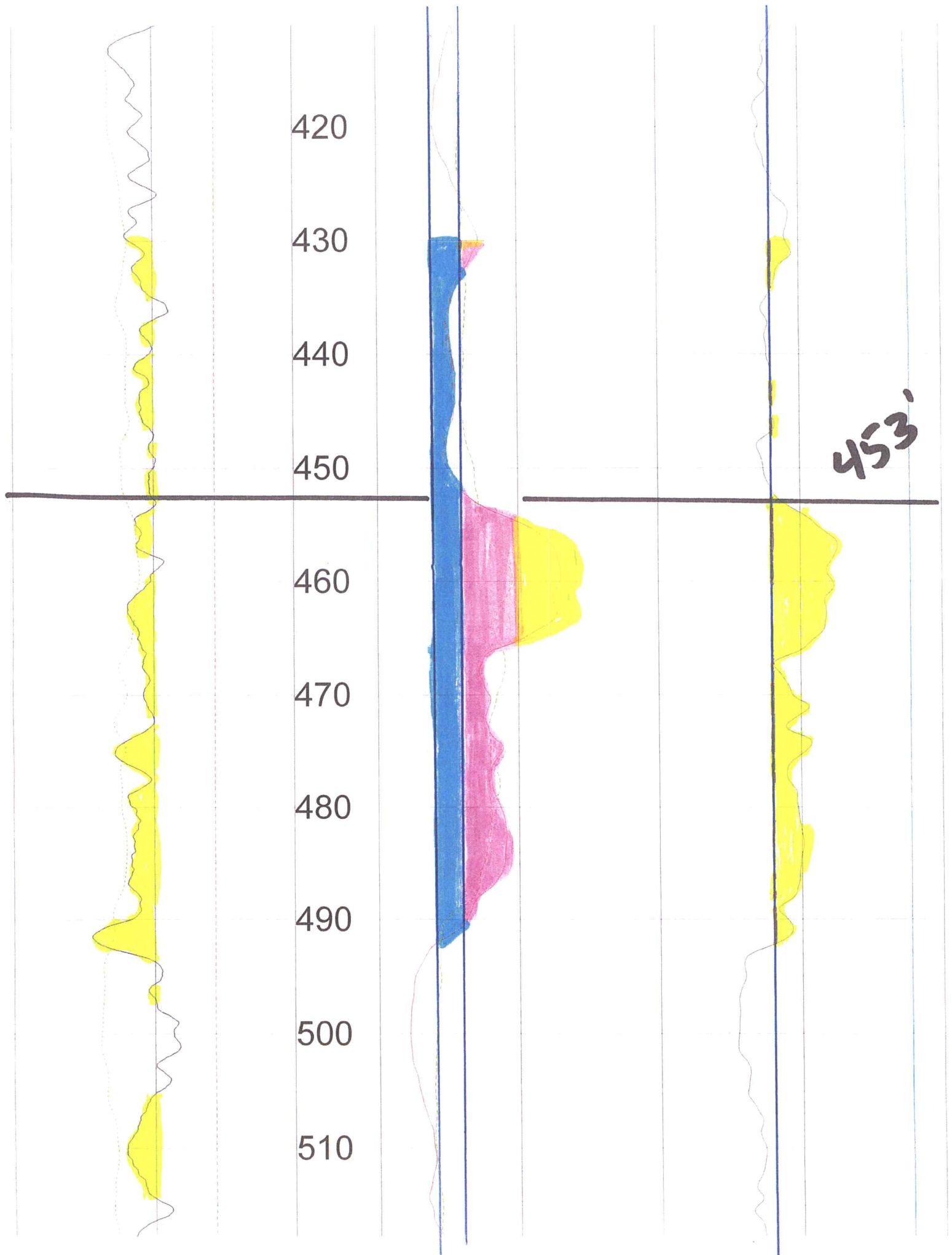
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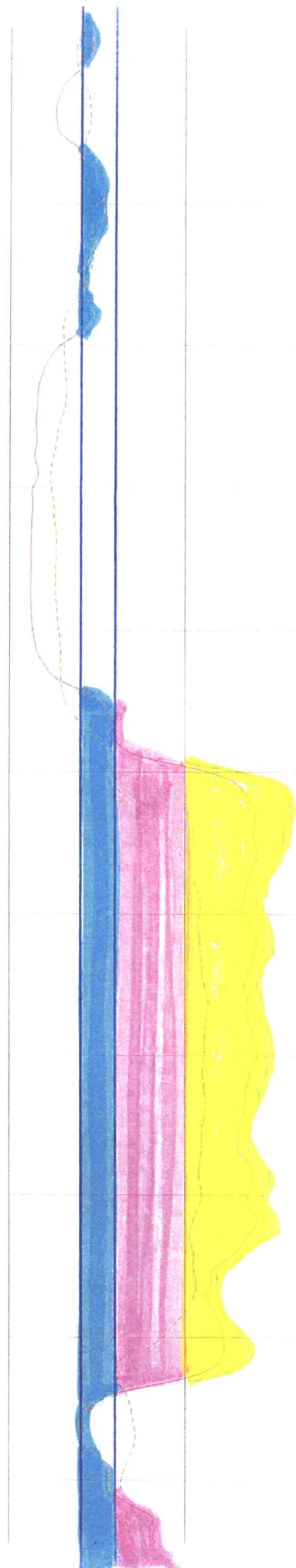
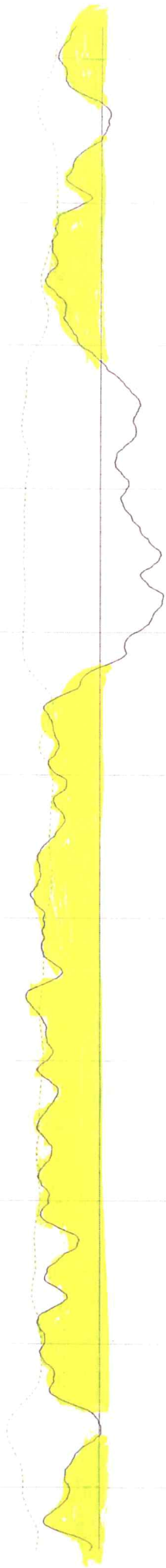
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633'

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PLAIN  
CASING  
653'

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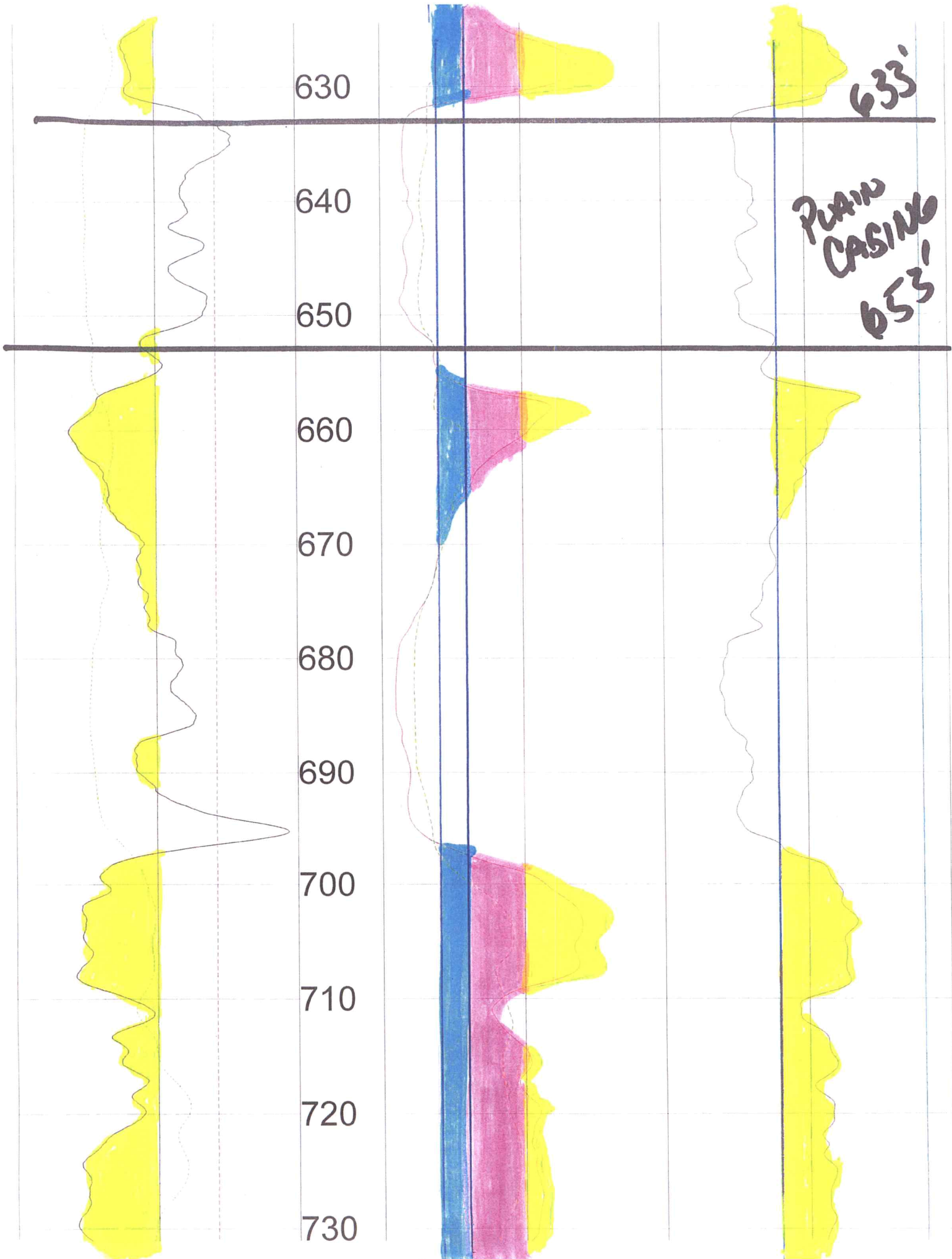
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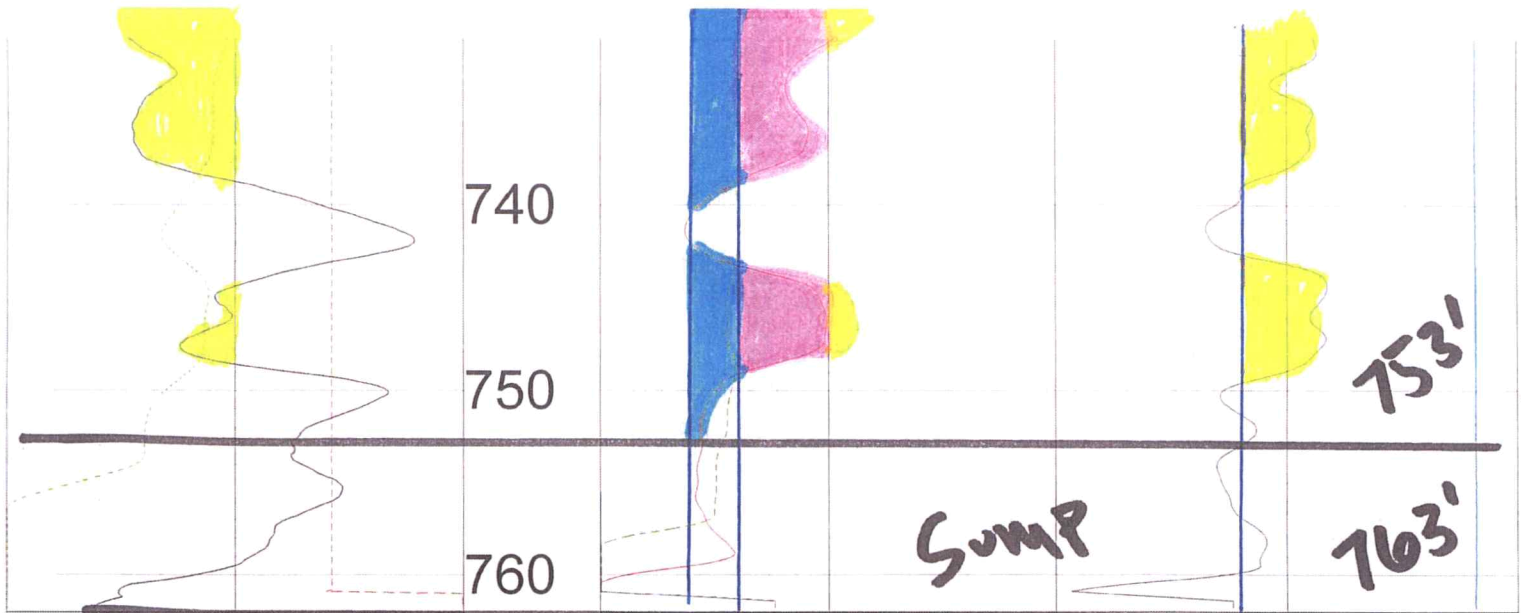
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0	API-GR	200	0	OHM-M	1000	OHM	100
	GAMMA			RES(16N)		RES	
0	MV	-250	0	OHM-M	10060	DEG_F	70
	SP			RES(64N)		TEMP	
5	OHM-M	15	0	OHM-M	100		
	RES(FL)			LATERAL			
		FEET					

TOOL CALIBRATION JORDAN HEFNER 11/18/21 15:47

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

December 20, 2021

Michael A. Meyer  
Division of Water Resources  
4532 W Jones Ave., Suite B  
Garden City, Kansas 67846

RE: Applications for Change in Point of Diversion  
Water Right, File Nos. 1958 & 8600

Dear Mike:

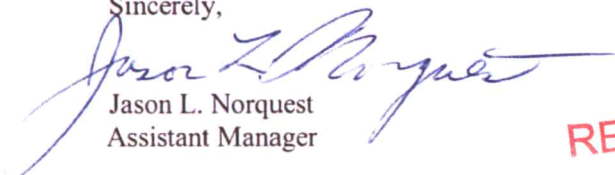
We have completed a review of the applications for the above referenced water rights. The proposed change in point of diversion is in accordance with current area rules, K.A.R. 5-23-3, as it pertains to distance moved and minimum spacing to neighboring wells.

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 (4.0 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 several of the neighboring wells exceeded the net effect above the maximum allowable threshold. Further analysis however, showed that the proposed change would not create critical well effects. Our office did not receive comments from any of the neighboring land owners. Therefore, GMD3 sees this move as reasonable and therefore recommend that the application be approved. 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

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Garden City Field Office  
Division of Water Resources

## GMD3 Change Review

---

File No(s): 1958 & 8600.

DWR office: GC.

App filed to change: PD.

Is Landowner(s) correct in WRIS: Jordan Hefner.

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	2900	2000	Sect 2-29-33
Proposed PD	2851	2434	Haskell
Difference	49 s	-434 w	
a2 + b2 = c2	2401	188356	436.7574 foot move west

GPS for proposed PD: Lat: 37.55546 Long: -100.89751.

Is proposed PD stacking on existing WRs? Keep the current stack with both WRs.

Is Proposed PU overlapping existing WRs? No Change.

Neighboring certified well(s) notified: \_\_\_.

Name Green Plains Cattle Co LLC/Green Plains-Haskell Co (4099, possible domestic).

Address 1811 Aksarben Dr.

Zip Omaha, NE 68108.

Email: [brent.weeks@greenplainscattle.com](mailto:brent.weeks@greenplainscattle.com) Phone: 620-271-2698.

Name Rex A Brown (7703, 16878.01, 25439).

Address PO Box 805.

Zip Sublette, KS 67877.

Email: [kbrown@cattle-empire.net](mailto:kbrown@cattle-empire.net) Phone: 620-675-2072.

Name Scout Energy Manaement LLC, Regulatory Manager (34354, 45620).

Address 13800 Monfort RD, Suite 100.

Zip Dallas, TX 75240.

Email: [ssequera@scoutep.com](mailto:ssequera@scoutep.com) Phone: 972-590-6353.

Domestic well(s) notified: \_\_\_.

Name \_\_\_.

Address \_\_\_.

Zip \_\_\_.

Base Acres: \_\_\_.

## GMD3 Change Review

---

Perfected Acres: \_\_.

Irr. Return-Flow \_\_\_%

**1958 authorized: 640AF @ 1000gpm**

**8600 authorized: 383AF @ 1560gpm. LIMITED to 640AF @ 1560gpm w/1958.**

**Average reported use (2011-2020): 135.7AF/year.**

**500gpm reported on WUR in 2018.**

**2018 inspection shows 118gpm, but there was a meter repair shortly after that inspection.**

**Proposed depth around 760'. Didn't find log for current well.**

Is a waiver needed: Move is less than half mile and minimum spacing appears to be met. Analysis shows possible effects over our guidelines. However, further calculations determined that none of the wells are critical.

Recommendation: After review of all available information, it appears current area rules are met. No critical wells found. Staff therefore recommends approval of the applicaitons.



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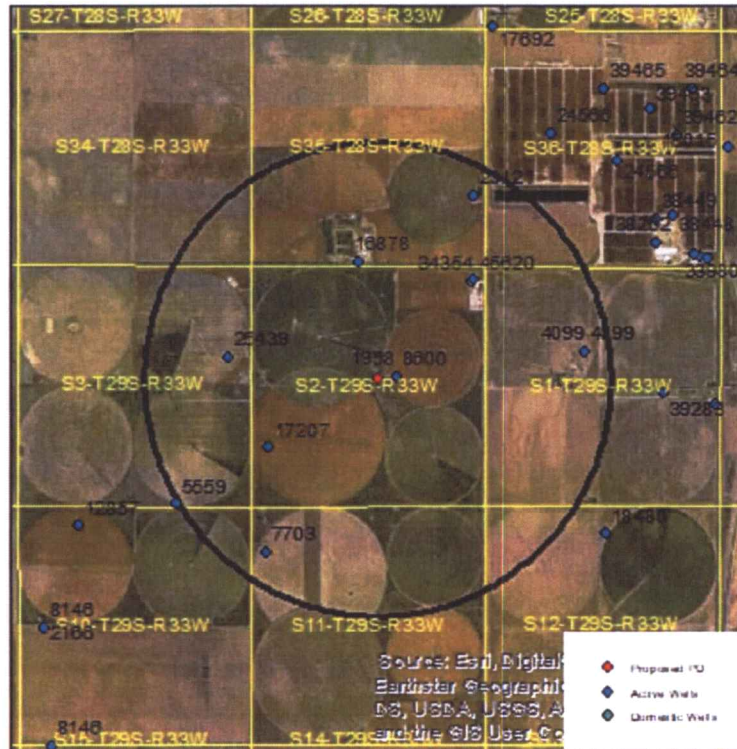
DEC 20 2021

Garden City Field Office  
Division of Water Resources



## Evaluation of proposed move for Water Right Nos 1958 & 8600

Proposed: Move water right nos. 1958 and 8600 to a new well location 440 ft to the southwest.



Wells within 1 mile: 17207, 34354 & 45620, 25439, 16878, 23121, 7703, 4099, and a domestic well in section 2-29-33.

The saturated thickness at the proposed well location is estimated to be 277 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:

$S = 0.1475$ ,  $T = 7344 \text{ ft}^2/\text{day}$ ,  $t_{p\text{current}} = 61 \text{ days}$  (based on average use and reported rate),  
 $Q_{\text{current}} = 500 \text{ gpm}$  (reported in 2018),  $t_{p\text{proposed}} = 93 \text{ days}$ ,  $Q_{\text{proposed}} = 1560 \text{ gpm}$

Theis drawdowns were calculated as follows:

17207:	Drawdown from current location = 1.10 ft
	Drawdown from proposed location = 5.63 ft
	Net drawdown = <b>4.5 ft</b>
34354 & 45620:	Drawdown from current location = 1.27 ft
	Drawdown from proposed location = 5.39 ft
	Net drawdown = <b>4.1 ft</b>

25439: Drawdown from current location = 0.99 ft  
Drawdown from proposed location = 5.01 ft  
Net drawdown = **4.0 ft**

16878: Drawdown from current location = 1.30 ft  
Drawdown from proposed location = 6.06 ft  
Net drawdown = **4.8 ft**

23121: Drawdown from current location = 0.90 ft  
Drawdown from proposed location = 4.12 ft  
Net drawdown = **3.2 ft**

7703: Drawdown from current location = 0.84 ft  
Drawdown from proposed location = 4.12 ft  
Net drawdown = **3.3 ft**

4099: Drawdown from current location = 0.91 ft  
Drawdown from proposed location = 4.04 ft  
Net drawdown = **3.1 ft**

Domestic 2-29-33: Drawdown from current location = 1.31 ft  
Drawdown from proposed location = 5.50 ft  
Net drawdown = **4.2 ft**

Net drawdown exceeds the drawdown allowance of 4.0 ft for water right numbers 17207, 34354 & 45620, 16878, and the domestic well in section 2-29-33. Critical well analysis is necessary on those wells.

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Division of Water Resources

**Critical Well Evaluation:**

**17207:**

Water Column = 277 ft

DP = 4.5 ft (Net drawdown from the proposal indicated above)

DE = 71.4 ft (Water level decline from 2021 through 2046 based upon GMD3 model)

DD = 28.7 ft (S = 0.1475, T = 54,932 gpd/ft, Q = 581 gpm, tp = 145 days, efficiency = 70%)

DT = 104.6 ft

Economic Drawdown Constraint (EDC) =  $0.4 * 277 \text{ ft} = 110.8 \text{ ft}$

Physical Drawdown Constraint (PDC) =  $277 \text{ ft} - 60 \text{ ft} = 217 \text{ ft}$

Total drawdown of 104.6 ft is less than the EDC and PDC, so this well is **not critical**.

**34354 & 45620:**

Water Column = 277 ft

DP = 4.1 ft (Net drawdown from the proposal indicated above)

DE = 71.4 ft (Water level decline from 2021 through 2046 based upon GMD3 model)

DD = 0.3 ft (S = 0.1475, T = 54,932 gpd/ft, Q = 5.8 gpm, tp = 219 days, efficiency = 70%)

DT = 75.8 ft

Economic Drawdown Constraint (EDC) =  $0.4 * 277 \text{ ft} = 110.8 \text{ ft}$

Physical Drawdown Constraint (PDC) =  $277 \text{ ft} - 20 \text{ ft} = 257 \text{ ft}$

Total drawdown of 75.8 ft is less than the EDC and PDC, so this well is **not critical**.

**16878:**

Water Column = 279 ft

DP = 4.8 ft (Net drawdown from the proposal indicated above)

DE = 66.5 ft (Water level decline from 2021 through 2046 based upon GMD3 model)

DD = 1.6 ft (S = 0.07924, T = 23,578 gpd/ft, Q = 15 gpm, tp = 36 days, efficiency = 70%)

DT = 72.9 ft

Economic Drawdown Constraint (EDC) =  $0.4 * 279 \text{ ft} = 111.6 \text{ ft}$

Physical Drawdown Constraint (PDC) =  $279 \text{ ft} - 20 \text{ ft} = 259 \text{ ft}$

Total drawdown of 72.9 ft is less than the EDC and PDC, so this well is **not critical**.

**Domestic 2-29-33:**

Water Column = 277 ft

DP = 4.2 ft (Net drawdown from the proposal indicated above)

DE = 71.4 ft (Water level decline from 2021 through 2046 based upon GMD3 model)

DT = 75.6 ft

Economic Drawdown Constraint (EDC) =  $0.4 * 277 \text{ ft} = 110.8 \text{ ft}$

Physical Drawdown Constraint (PDC) =  $277 \text{ ft} - 20 \text{ ft} = 257 \text{ ft}$

Total drawdown of 75.6 ft is less than the EDC and PDC, so this well is **not critical**.

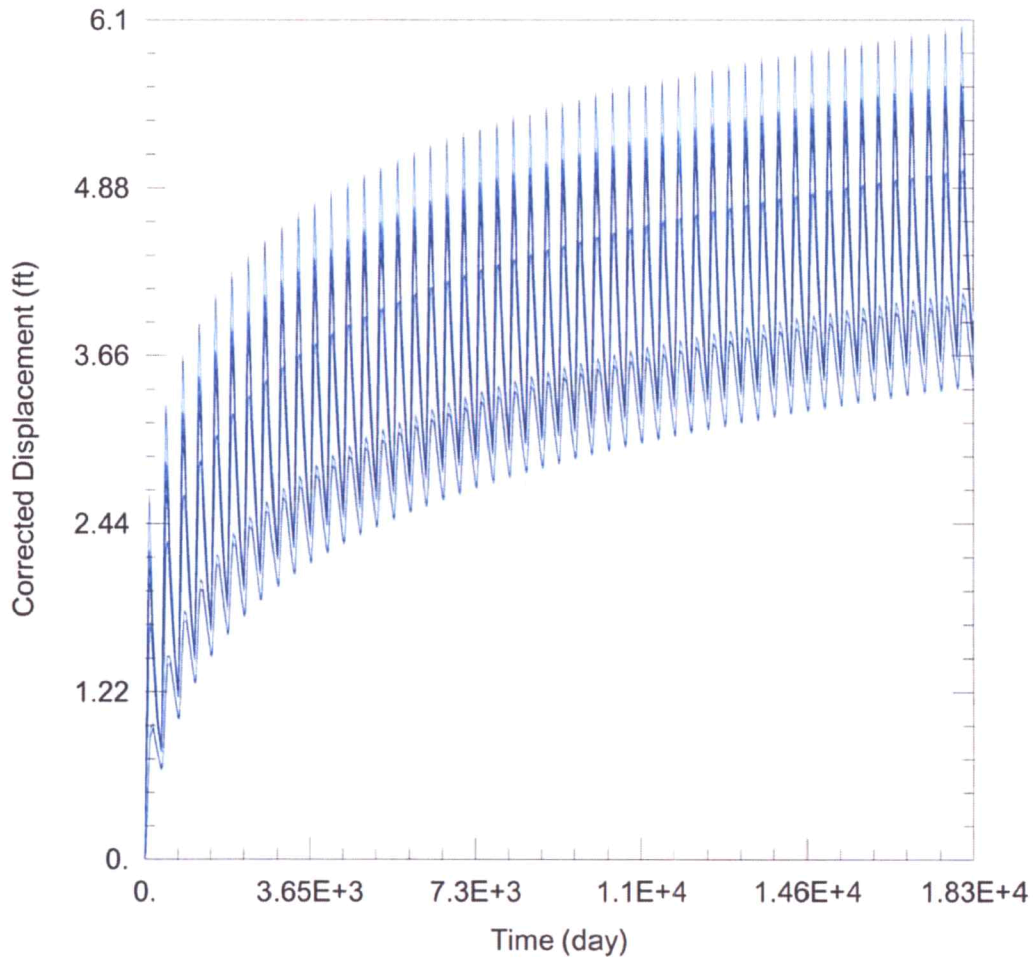
**Conclusion:**

If the proposed well is operated at its full authorized rate and quantity, it may have a noticeable effect on some neighboring wells. However, the GMD3 model shows a large amount of remaining saturated thickness in the area, and data indicates that while the aquifer is projected to decline substantially, there will likely be enough remaining saturated thickness for neighboring wells to remain productive for the next 25 years. GMD3 staff recommends approval of the application.

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Division of Water Resources



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2021\_Moves\1958\_8600\1950 & 8600 Proposed.aqt  
 Date: 12/14/21 Time: 09:45:15

PROJECT INFORMATION

Company: GMD 3  
 Project: 1950 & 8600  
 Location: Haskell County

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
1950 & 8600	-28428	247775

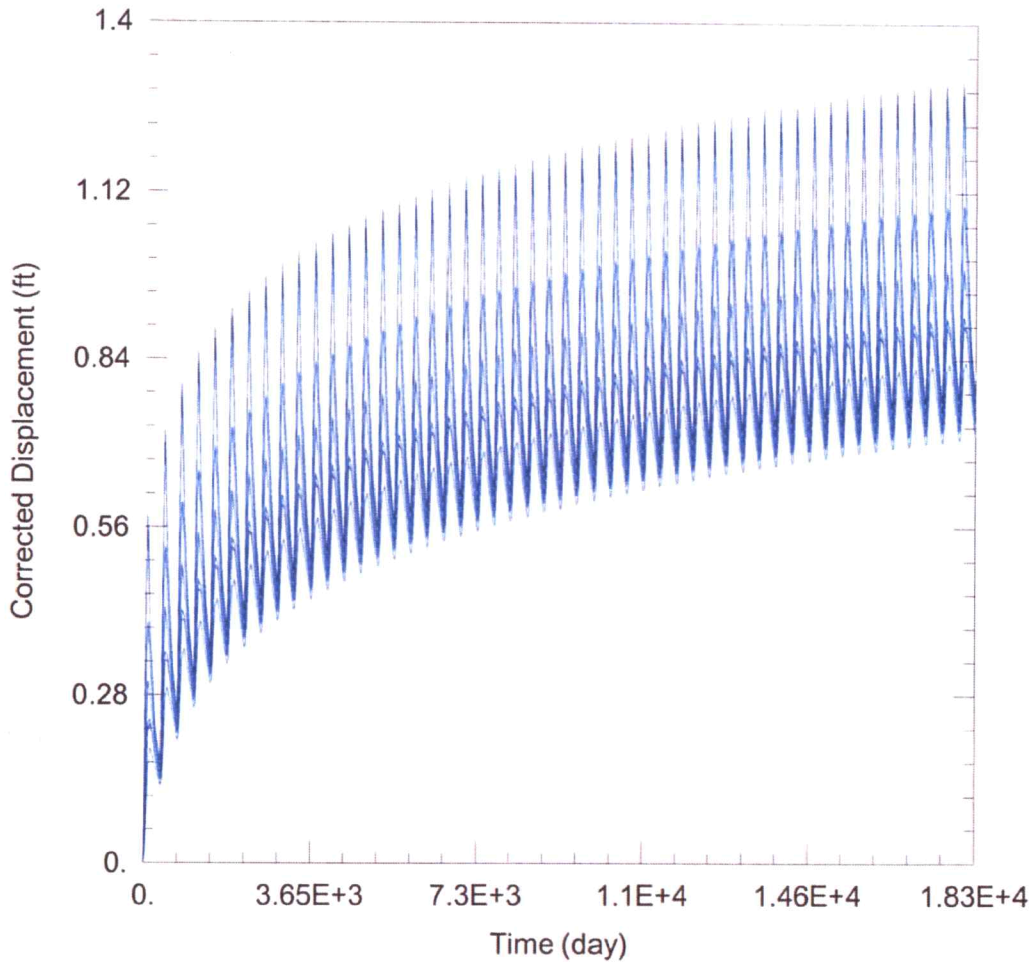
Observation Wells

Well Name	X (ft)	Y (ft)
□	-28428	247775
□ 17207	-30920	246244
□ 34354 & 45620	-26249	249979
□ 25439	-31817	248263
□ 16878	-28857	250393
□ 23121	-26276	251865
□ 7703	-30952	243914
□ 4099	-23729	248397
□ Domestic 2-29-33	-26319	249930

SOLUTION

Aquifer Model: Unconfined  
 T = 7344. ft<sup>2</sup>/day

Solution Method: Theis  
 S = 0.1475



**WELL TEST ANALYSIS**

Data Set: C:\Users\trevora\Documents\2021\_Moves\1958\_8600\1950 & 8600 Current.aqt

Date: 12/14/21

Time: 09:45:26

**PROJECT INFORMATION**

Company: GMD 3

Project: 1950 & 8600

Location: Haskell County

**WELL DATA**

**Pumping Wells**

Well Name	X (ft)	Y (ft)
1950 & 8600	-27990	247818

**Observation Wells**

Well Name	X (ft)	Y (ft)
□	-27990	247818
□ 17207	-30920	246244
□ 34354 & 45620	-26249	249979
□ 25439	-31817	248263
□ 16878	-28857	250393
□ 23121	-26276	251865
□ 7703	-30952	243914
□ 4099	-23729	248397
□ Domestic 2-29-33	-26319	249930

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 Division of Water Resources

**SOLUTION**

Aquifer Model: Unconfined

Solution Method: Theis

T = 7344. ft<sup>2</sup>/day

S = 0.1475

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

2851 Feet N and 2434 Feet W of the Southeast Corner of Section 2 Twp 29S Rng 33W  
 Located at: 100.897510 West Longitude and 37.555461 North Latitude  
 Both SURFACE WATER and GROUNDWATER

*2300' on a 11*

File Number	Use	ST	SR	Dist (ft)	Q4	Q3	Q2	Q1	FeetN	FeetW	Sec	Twp	Rng	ID	Batt	Auth_Quan	Add_Quan
A__ AF	1958 00	IRR	NK	G*	440	NC	S2	SW	NE	2900	2000	2	29	33W	1	640.00	640.00
A__ AF	4099 00	IRR	NK	G	4711	--	NE	SE	NW	3427	3081	1	29	33W	4	627.00	627.00
A__ AF	4099 00	STK	NK	G	4711	--	NE	SE	NW	3427	3081	1	29	33W	4	627.00	627.00
A__ AF	7703 00	IRR	NK	G	4613	--	SW	NW	NW	-----	-----	11	29	33W	1	985.00	985.00
A__ AF	8600 00	IRR	NK	G*	440	NC	S2	SW	NE	2900	2000	2	29	33W	1	383.00	.00
A__ AF	16878 01	STK	NK	G	2653	--	SE	SE	SW	130	2860	35	28	33W	3	24.20	24.20
A__ AF	17207 00	IRR	NK	G	2925	--	--	CW	SW	1320	4932	2	29	33W	6	538.00	538.00
A__ AF	23121 00	IRR	NK	G	4622	--	SE	NE	SE	1600	280	35	28	33W	1	585.00	585.00
A__ AF	25439 00	IRR	NK	G	3423	--	NE	SE	NE	3350	550	3	29	33W	2	635.00	.00
A__ AF	34354 00	IND	NK	G	3076	--	NE	NE	NE	4995	235	2	29	33W	7	1.60	1.60
A__ AF	45620 00	IND	NK	G	3076	--	NE	NE	NE	4995	235	2	29	33W	7*	6.92	6.92

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) =	4034.72	.00
Total Vested Amount (AF) =	.00	.00
TOTAL AMOUNT (AF) =	4034.72	.00

*minimum spacing  
Appears MST*

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:

2851 Feet North and 2434 Feet West of the Southeast Corner of Section 2 Twp 29S Rng 33W  
 Located at: 100.897510 West Longitude and 37.555461 North Latitude  
 Both SURFACE WATER and GROUNDWATER  
 WATER USE CORRESPONDENTS:

File Number Use ST SR  
 > JORDAN HEFNER AG INC  
 >  
 > PO BOX 805  
 > SUBLETTE KS 67877

*1958 Application*

> GREEN PLAINS CATTLE CO LLC  
 > GREEN PLAINS - HASKELL COUNTY  
 > 1811 AKSARBEN DR  
 > OMAHA NE 68108

*41099*

> GREEN PLAINS CATTLE CO LLC

*41099*

> GREEN PLAINS - HASKELL COUNTY  
> 1811 AKSARBEN DR  
> OMAHA NE 68108

-----  
> REX A BROWN

> PO BOX 250  
> SUBLETTE KS 67877

7703

-----  
> JORDAN HEFNER AG INC

> PO BOX 805  
> SUBLETTE KS 67877

8600

*Application*

-----  
> BROWN ENTERPRISES

> REX BROWN  
> PO BOX 250  
> SUBLETTE KS 67877

16878.01

-----  
> JORDAN HEFNER AG INC

> PO BOX 805  
> SUBLETTE KS 67877

17207

*Applicant*

-----  
> JORDAN HEFNER AG INC

> PO BOX 805  
> SUBLETTE KS 67877

23121

*Applicant*

-----  
> BROWN ENTERPRISES

> REX BROWN  
> PO BOX 250  
> SUBLETTE KS 67877

25439

-----  
> SCOUT ENERGY MANAGEMENT LLC

> REGULATORY MANAGER  
> 13800 MONTFORT RD SUITE 100  
> DALLAS TX 75240

34354

-----  
> SCOUT ENERGY MANAGEMENT LLC

> REGULATORY MANAGER  
> 13800 MONTFORT RD SUITE 100  
> DALLAS TX 75240

45620

=====

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DEC 20 2021

Garden City Field Office  
Division of Water Resources



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 9, 2021

SOUTHWEST KANSAS GROUNDWATER  
MANAGEMENT DISTRICT NO. 3  
2009 E SPRUCE ST  
GARDEN CITY KS 67846

Re: Request for Recommendation  
Water Right, File Nos. 1958 & 8600

Dear Mr. Norquest:

This is to advise you that Jordan Hefner, has filed applications for approval of the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, to change the point of diversion. The applications meets all rules and regulations.

We are delaying action on the change applications to allow you time to review and provide a recommendation. Please submit a recommendation within 15 days from the date of this letter.

Thank you and as always feel free to contact this office at any time.

Sincerely,

A handwritten signature in blue ink that reads "Michael A. Meyer". The signature is fluid and cursive, with a long horizontal stroke at the end.

Michael A. Meyer  
Water Commissioner

MAM  
Enclosures