

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

1. File Number: 25312	2. Status Change Date:	3. Change Num: C2	4. Field Office: 4	5. GMD: 3
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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: 9/3/2019
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8a. Applicant(s) New to system <input type="checkbox"/> SYRACUSE DAIRY LLC Attn: JAY HOUTSMA 751 SE CR 36 SYRACUSE, KS 67878-7822	8c. Landowner(s) New to system <input type="checkbox"/>
Person ID 40486 Add Seq# _____	Person ID _____ Add Seq# _____

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

9. Documents and Enclosure(s): DWR Meter(s) Date to Comply: **12/31/2020** N & P Date to Comply: **12/31/2020**²¹

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: **9/30/2019** By: **AM**
Date Entered: _____ By: _____

File No. **25312** 11. County: **KE** Basin: **ARKANSAS RIVER** 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

DEL 85660
ENT **NE NW NE** **28 26S 36W** **5078 1968** **930 270** **930 270**

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					
CHK 9130																										

Base Acres: Year: Minimum Reasonable Quantity:
 Comments: **REMOVE COMPLETION REQUIREMENT FOR CHANGE 1 IN ACTION TRAIL**

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

October 1, 2019

SYRACUSE DAIRY LLC
Attn: JAY HOUTSMA
751 SE CR 36
SYRACUSE, KS 67878-7822

RE: Water Right, File No. 25312

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, appearing to read "Austin J. McColloch".

Austin J. McColloch
Assistant Water Commissioner

AM:
enclosures

pc:
GROUNDWATER MANAGEMENT DISTRICT NO. 3

CERTIFICATE OF SERVICE

On this 1st day of October, 2019, I hereby certify that the foregoing Approval of Application for Change in Point of Diversion, Water Right, File No. 25,312 dated 1st day of October, 2019 was mailed postage prepaid, first class, US mail to the following:

SYRACUSE DAIRY LLC
Attn: JAY HOUTSMA
751 SE CR 36
SYRACUSE, KS 67878-7822

Pc:

GROUNDWATER MANAGEMENT DISTRICT NO. 3

Julie Jones

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

File No. 25312

SEP 03 2019
 2:02 pm
 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: SYRACUSE DIARY LLC

751 SE CR 36, SYRACUSE, KS 67878-7822

Phone Number: (785) 820-6093

Email address: frank@syracusedairy.com

Name and address of Water Use Correspondent: NO CHANGE

Phone Number: ()

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 \$ <u>200</u> TR # _____ Receipt Date _____ Check # <u>78565</u>
--

5. **Presently authorized point of diversion:**
 One in the SW Quarter of the NE Quarter of the NE Quarter of Section 28, Township 26 South, Range 36 W, in KE County, Kansas, 4496 feet North 1242 feet West of Southeast corner of section.
 Authorized Rate --- Authorized Quantity --- Depth of well --- (feet)
 (DWR use only: Computer ID No. 06 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 NE Quarter of the NW Quarter of the NE Quarter of Section 28, Township 26 South, Range 36 W, in KE County, Kansas, 5078 feet North 1968 feet West of Southeast corner of section.
 Proposed Rate --- Proposed Quantity --- Proposed well depth (feet) 620
 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) Casing problems have reduced well yield.

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

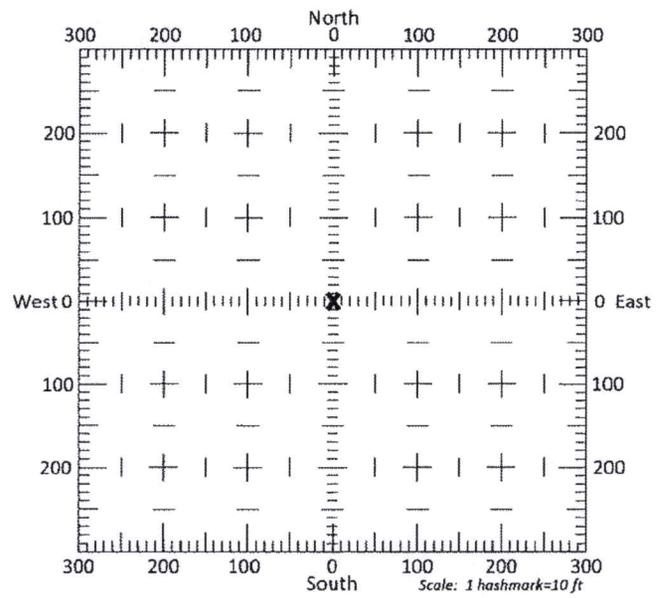
9. The change(s) (was)(will be) completed by?
Upon approval.

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

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 300 feet of the existing point of diversion, indicate its location on the diagram shown above in relation to the existing point of diversion. (PLEASE NOTE: The "X" in center of diagram above represents the presently authorized point of diversion.)

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SEP 03 2019

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 Syracuse, Kansas, this 30th day of August, 2019.

[Signature]

 (Owner)
Doug Geubelle, Member

 (Please Print)
Syracuse Dairy, LLC

 (Owner)

 (Please Print)

 (Owner)

 (Please Print)

 (Spouse)

 (Please Print)

 (Spouse)

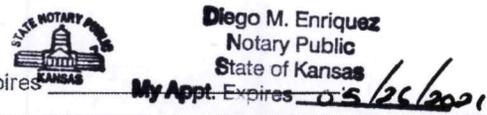
 (Please Print)

 (Spouse)

 (Please Print)

State of Kansas }
 County of Hamilton } SS

I hereby certify that the foregoing application was signed in my presence and sworn to before me this 30th day of August, 2019.

My Commission Expires _____

[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

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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. 25312.

1. A change application was received on September 3, 2019 requesting that the place of use and / or point of diversion authorized under the above-referenced file number be changed as described in the application.
2. On and after the effective date of this summary order, the authorized place(s) of use shall be located substantially as shown on the topographic map accompanying the application to change the place of use. Applicable Not Applicable
3. The change in point of diversion shall not impair existing rights and shall be limited to the same source or sources of water as previously authorized. The point of diversion authorized by this summary order shall be located within a 50 foot radius of the authorized point(s) of diversion. Applicable Not Applicable
4. The point(s) of diversion described herein is administratively corrected to be more accurately described using the Global Positioning System (GPS), as described in the application. Applicable Not Applicable
5. The point(s) of diversion authorized herein shall not actually be located more than _____ feet from the previously authorized point(s) of diversion. Applicable Not Applicable
6. As required by K.A.R. 5-3-5d, if the works for diversion is a well with a diversion rate of 100 gallons per minute or more, a tube or other device suitable for making water level measurements shall be installed, operated and maintained in accordance with K.A.R. 5-6-13. Applicable Not Applicable
7. The owner of the authorized place(s) of use shall properly install an acceptable water flow meter on or before December 31, 2020, or before the first use of water, whichever occurs first. The water flow meter shall be installed, operated and maintained in accordance with K.A.R. 5-1-4 through 5-1-12. As required by K.S.A. 82a-732, as amended, and K.A.R. 5-3-5e, the owner shall maintain records and report the reading of the water flow meter and the total quantity of water diverted annually to the Chief Engineer by March 1 following the end of each calendar year. Applicable Not Applicable
8. Installation of the works for diversion of water shall be completed on or before December 31, 2020, or within any authorized extension of time. By March 1, 2020 the applicant shall notify the Chief Engineer that construction of the works for diversion has been completed, on the form provided by the Chief Engineer, as required by K.A.R. 5-8-4e. Applicable Not Applicable
9. The completed well log shall be submitted with the required notice. Applicable Not Applicable
10. All diversion works into which any type of chemical or other foreign substance will be injected into the water shall be equipped with an in-line, automatic, quick-closing check valve capable of preventing pollution of the source of the water supply. The check valve(s) shall be installed, operated and maintained in accordance with K.A.R. 5-3-5c. Applicable Not Applicable
11. Additional Conditions are attached. Yes No
12. In accordance with K.S.A. 82a-708a, as amended, and K.A.R. 5-5-14, all of the owners of the authorized place(s) of use of water appropriated under the above-referenced file number are responsible for compliance with its terms, conditions and limitations, as amended and/or supplemented by this Summary Order, and with applicable provisions of the *Kansas Water Appropriation Law* and the *Rules and Regulations* promulgated thereunder. Failure to comply with these provisions may result in civil penalties pursuant to K.S.A. 82a-737, as amended, and/or the suspension or revocation and dismissal of the water or appropriation right or any other enforcement actions authorized by law.

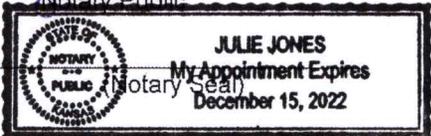
Administrative Appeal and Effective Date of Order

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

For Use by Register of Deeds

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

By: Austin McCulloch
Duly Authorized Designee of the Chief Engineer
(Print Name): Austin McCulloch
Division of Water Resources - Kansas Department of Agriculture
Date of Issuance: October 1, 2019
State of Kansas _____)
County of Linney) SS
Acknowledged before me on October 1, 2019
by Austin McCulloch
Signature: Julie Jones
Notary Public



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Garden City Field Office
Division of Water Resources

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SEP 03 2019

WELL LOG

DATE: 8/21/2019

Garden City Field Office
Division of Water Resources

Downey
Drilling Inc.



CUSTOMER NAME: SYRACUSE DAIRY

TEST HOLE #4

LEGAL: NE 28-26S-36W

COUNTY: KEARNEY

SWL = 312' (EST.)

GPS: 37.764848

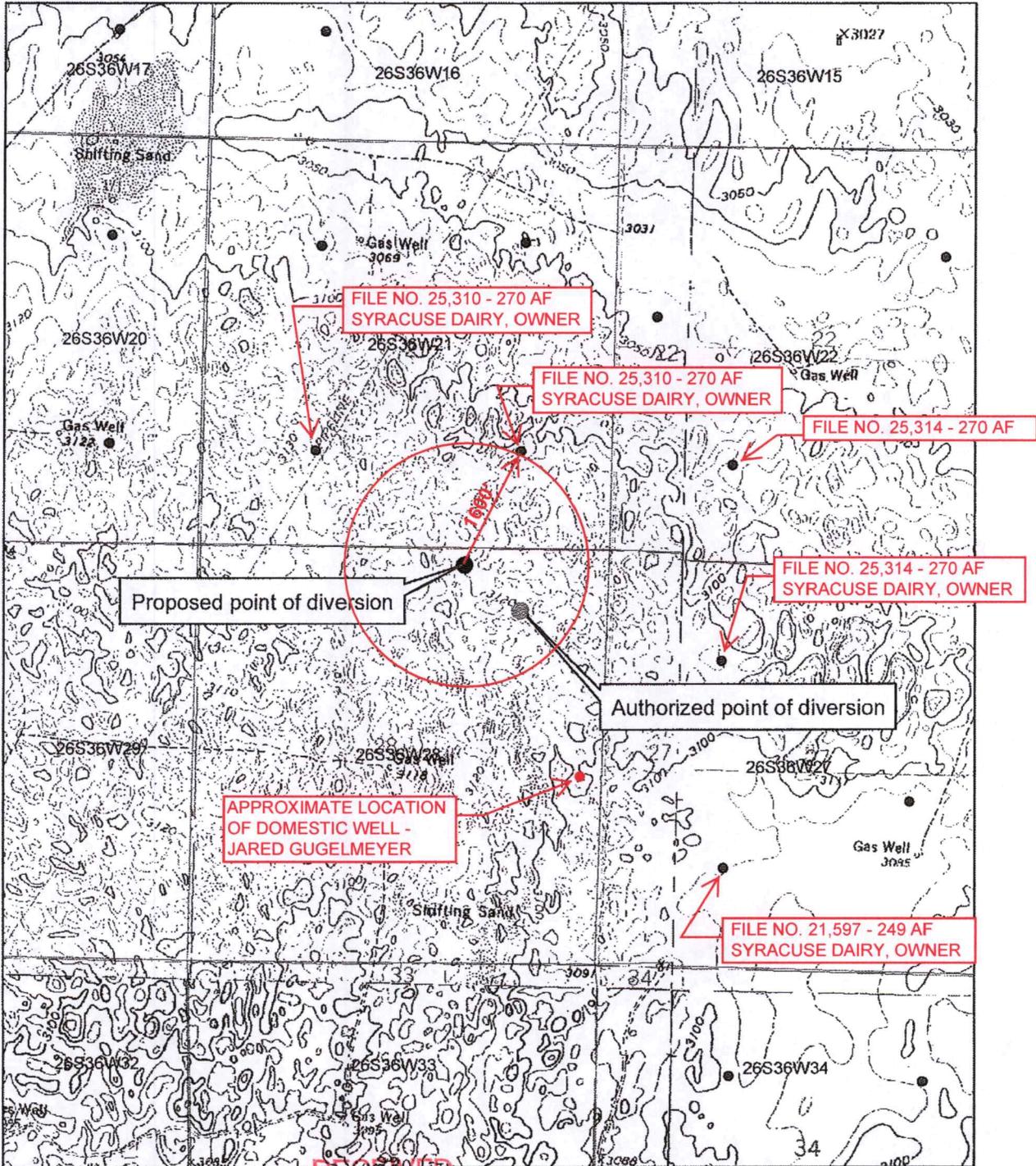
101.26046

DRILLER: ROCKY

WO: 19-155

TW	FROM	TO	TYPE	HARDNESS	COLOR	SPEED	PULL DOWN	OTHER / DRILLING ACTION
	0	45	SILTY SAND, SAND	SOFT	BROWN	FAST		SMOOTH
	45	60	MED, COARSE SAND, FINE GRAVEL	SOFT	RED	FAST		CHATTER
	60	80	MED SAND, TR. COARSE W/SILTY SANDY CLAY	SOFT	TAN	FAST		NOT AS MUCH CHATTER
	80	95	MED SAND WITH MEDIUM-COARSE GRAVEL	SOFT	TAN	FAST		CHATTER
	95	178	FINE-MEDIUM, TR. COARSE GRAVEL	SOFT	RED	FAST		CHATTER
	178	181	SAND, SANDY CLAY	SOFT	TAN	LITTLE SLOWER		LITTLE SMOOTHER
	180	195	MEDIUM-COARSE GRAVEL	SOFT	RED	FAST		CHOPPY / CHATTER
	195	208	MED., COARSE SAND, FINE TR. MED GRAVEL	SOFT	TAN / RED	FAST		CHATTER
	208	215	FINE SAND W/SILT	SOFT	TAN	FAST		SMOOTHER
	215	232	VERY COARSE SAND, MED W/SOME LARGE GRAVEL	SOFT	RED	FAST		CHATTER
	232	235	MED SAND, W/SILT	SOFT	TAN	FAST		SMOOTHER
	235	246	MED, COARSE SAND, W/FINE, MED. GRAVEL	SOFT	TAN / RED	FAST		CHATTER
	246	261	CLAY W/TR. FINE SAND	STIFF	TAN / BLUE	SLOWER		SMOOTH
	261	326	FINE-MEDIUM-COARSE GRAVEL	SOFT	TAN / RED	FAST		CHATTER
	326	336	SANDY CLAY, CLAY	SOFT	TAN	FAST		SMOOTH
X	336	345	FINE SAND W/SOAPSTONE	SOFT	WHITE	FAST		SMOOTH, CHOPPY @ TIMES
	345	378	BROWN ROCK, SAND, SANDSTONE, TR. CLAY	SOFT	BROWN	LITTLE SLOWER		SMOOTH, CHOPPY @ TIMES
	378	390	BROWN ROCK, SAND SANDSTONE	SOFT	BROWN	FASTER		SMOOTH, CHOPPY @ TIMES
	390	400	BROWN ROCK, SAND SANDSTONE W/CLAY (YELLOW) STRS	LITTLE FIRMER	BROWN / YELLOW	LITTLE SLOWER		SMOOTH, CHOPPY @ TIMES
	400	475	SHALE	STIFF	GRAY	SLOW		SMOOTHER
	500	523	SHALE W/FINE SAND LENSES	STIFF	GRAY	SLOW		CHATTER @ TIMES IN SAND LENSES
	523	540	FINE SAND	SOFT	GRAY	FASTER		LT. CHATTER
	540	555	FINE TRACES OF MEDIUM SAND	SOFT	GARY	FAST		LT. CHATTER
	555	560	FINE TRACES OF MEDIUM SAND, TR. SHALE	SOFT	GRAY	FAST	YES	CHOPPY
	560	578	GRAY FINE SAND WITH SOME SHALE	SOFT	GRAY	FASTER		
	578	580	LIMESTONE? OR PYRITE?	VERY HARD	GRAY	SLOW	YES	ROUGH
	580	585	SANDY SHALE	SOFT	GRAY	FAST		SOME VIBRATION
	585	620	SHALE	HARD	GARY	SLOW	YES	SMOOTH CHOPPY @ TIMES
			QUIKGEL = 13					
			EZ MUD = 1					
			SODA ASH = 1					
			EZ MUD GOLD = 4#					
			BRAN = 2					
			HOLEPLUG = 2					
			CASING SEAL = 1					
			WATER LOADS = 3					

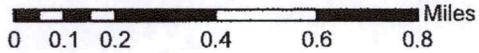
Change in Point of Diversion for Water Right 25312



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Garden City Field Office
Division of Water Resources



- **Authorized Point of Diversion**
- **Proposed Point of Diversion**

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

To the best of our knowledge, there are no other domestic wells in Sections 21 & 28 T26S R36W.

X 
 Doug Geubelle, Syracuse Dairy, LLC

SYRACUSE DAIRY

NE 28-26S-36W KEARNY CO.

Legend

IRR WELL ELEV=3112' SWL 297' (8/21/2019)

1600'

DDI TH #4 ELEV=3127'

DDI TH #1 ELEV=3128' SWL=334'

K&K TH #4 ELEV=3126'

K&K TH #3 ELEV=3123'

K&K TH #2 ELEV=3126' IRR WELL ELEV=3126'

K&K TH #1 ELEV=3124'

IRR WELL ELEV=3117'

TH #2 ELEV=3138'

DDI TH #3 ELEV=3126'

Google Earth

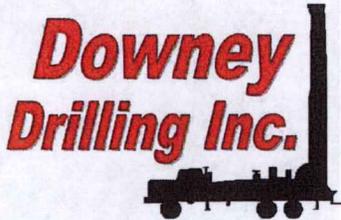
Lakin Ln



2000 ft

WELL LOG

DATE: 8/21/2019



CUSTOMER NAME: SYRACUSE DAIRY TEST HOLE #4

LEGAL: NE 28-26S-36W

COUNTY: KEARNEY SWL = 312' (EST.)

GPS: 37.764848

101.26046

DRILLER: ROCKY WO: 19-155

TW	FROM	TO	TYPE	HARDNESS	COLOR	SPEED	PULL DOWN	OTHER / DRILLING ACTION
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	523	540	FINE SAND	SOFT	GRAY	FASTER		LT. CHATTER
	540	555	FINE TRACES OF MEDIUM SAND	SOFT	GARY	FAST		LT. CHATTER
	555	560	FINE TRACES OF MEDIUM SAND, TR. SHALE	SOFT	GRAY	FAST	YES	CHOPPY
	560	578	GRAY FINE SAND WITH SOME SHALE	SOFT	GRAY	FASTER		
	578	580	LIMESTONE? OR PYRITE?	VERY HARD	GRAY	SLOW	YES	ROUGH
	580	585	SANDY SHALE	SOFT	GRAY	FAST		SOME VIBRATION SMOOTH CHOPPY @ TIMES
	585	620	SHALE	HARD	GARY	SLOW	YES	
			QUIKGEL = 13					
			EZ MUD = 1					
			SODA ASH = 1					
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			BRAN = 2					
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			CASING SEAL = 1					
			WATER LOADS = 3					

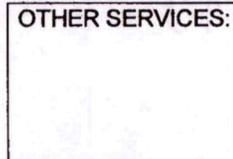


Century GEOPHYSICAL CORP.

SYRACUSE DAIRY

COMPANY : DOWNEY DRILLING INC
 WELL : SYRACUSE DAIR
 TH #4 - DD
 LOCATION/FIELD :
 COUNTY : KEARNY
 LOCATION : NE
 SECTION : 28

OTHER SERVICES:



TOWNSHIP : 26S RANGE : 36W

DATE : 08/21/1
 DEPTH DRILLER : 620
 LOG BOTTOM : 615.2
 LOG TOP : 0.0

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 : TOM

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

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

FILE : ORIGINA
 TYPE : 8144A
 LGDATE: 08/21/19
 LGTIME : 17:30:
 THRESH: 99999

N 37.76489
 W 101.26045

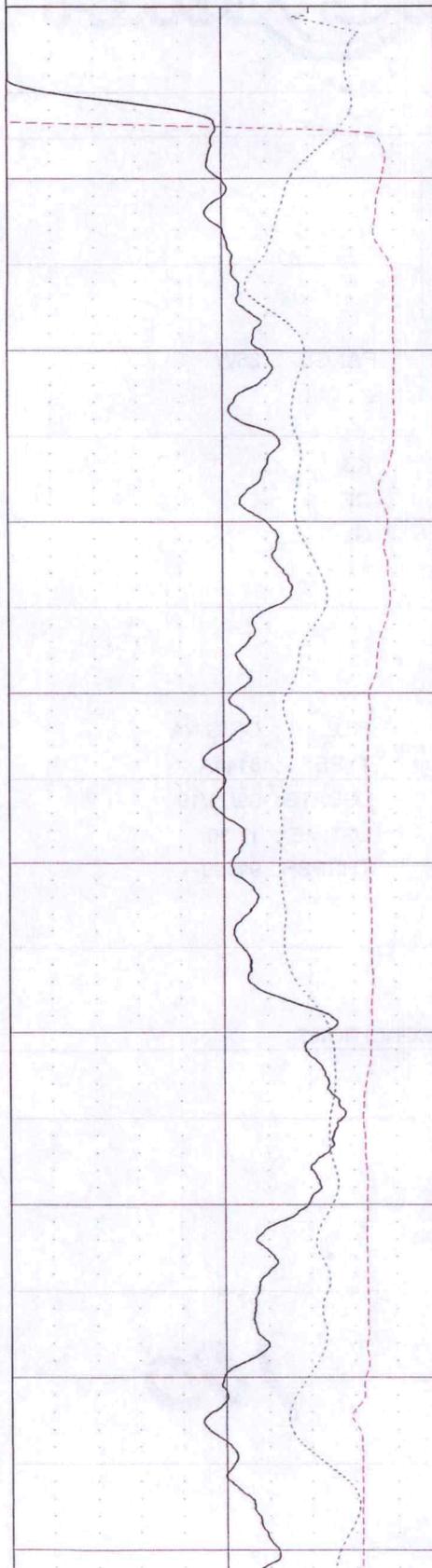
ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

SCALE

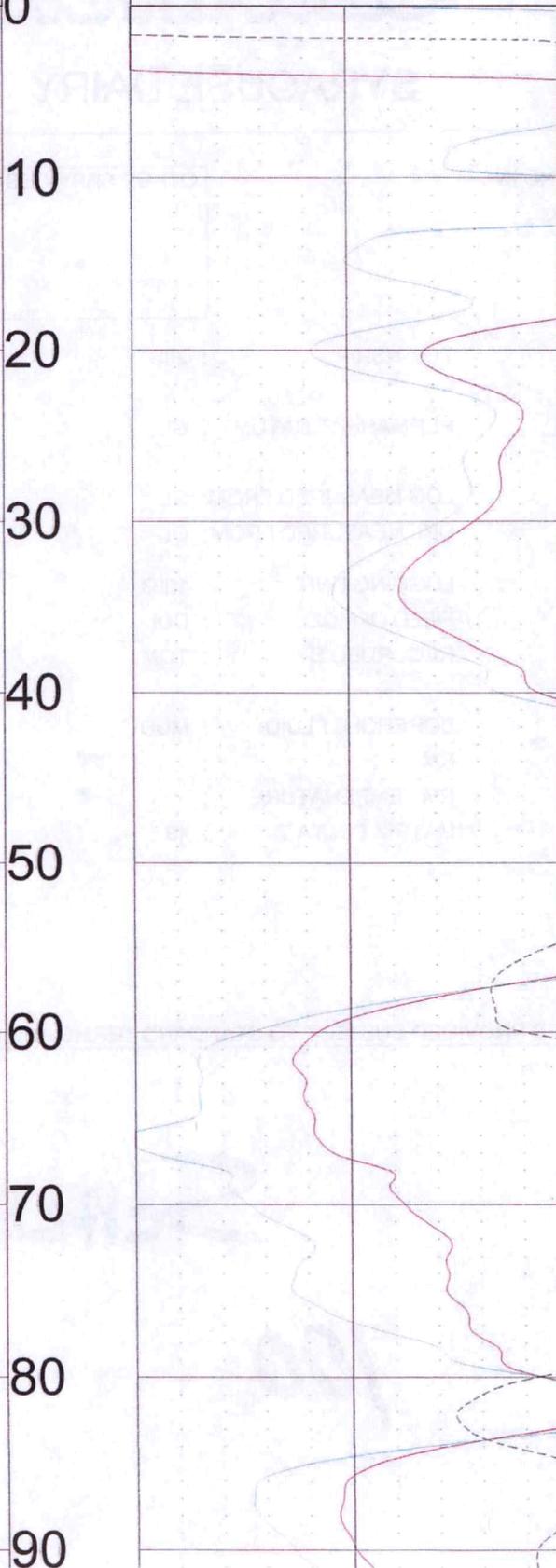
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100

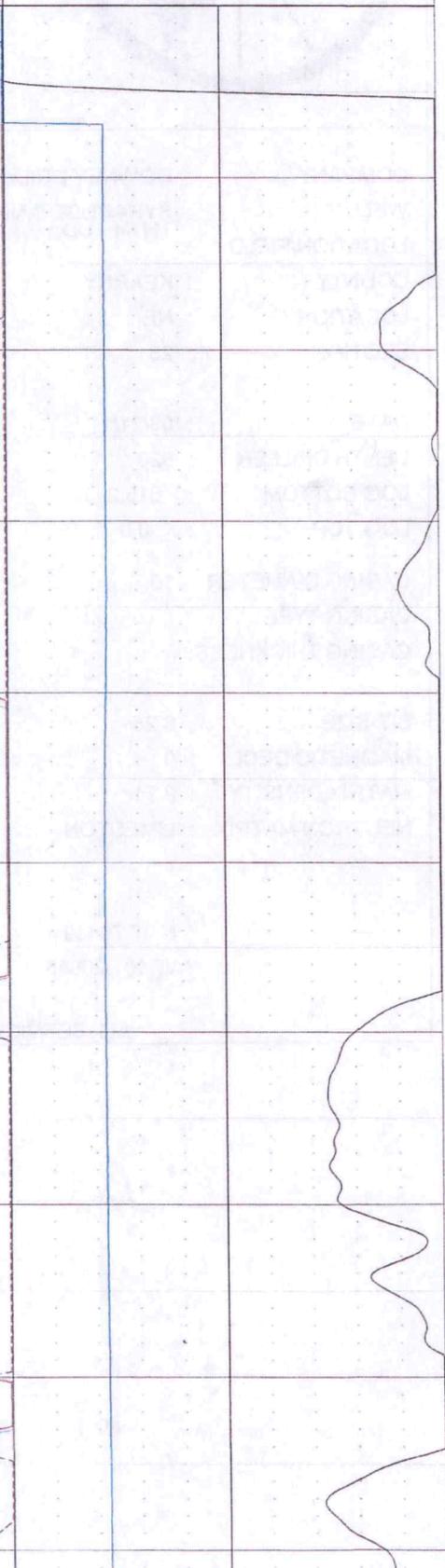
RES(FL)		
20	OHM-M	30
SP		
-100	MV	50
GAMMA		
0	API-GR	200



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

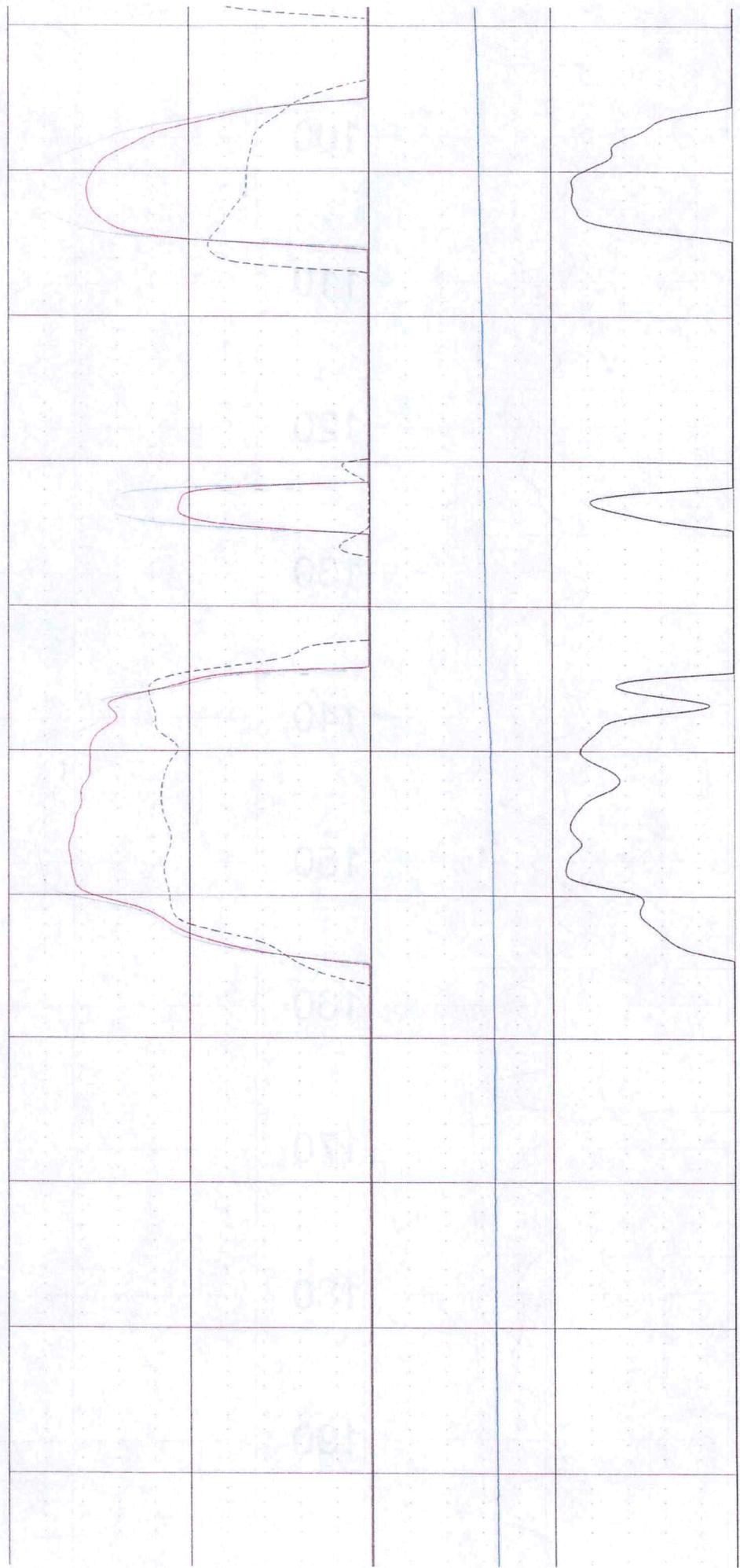
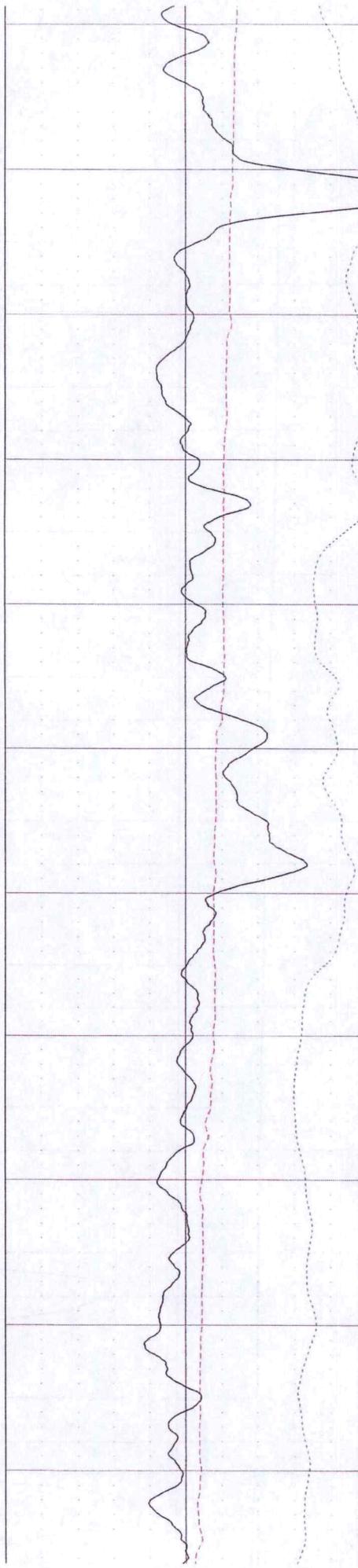


TEMP	
0	DEG_F
RES	
0	OHM
OHM	
0	100





200
210
220
230
240
250
260
270
280
290
300



310

EST.

SUL 312'

320

330

340

350

360

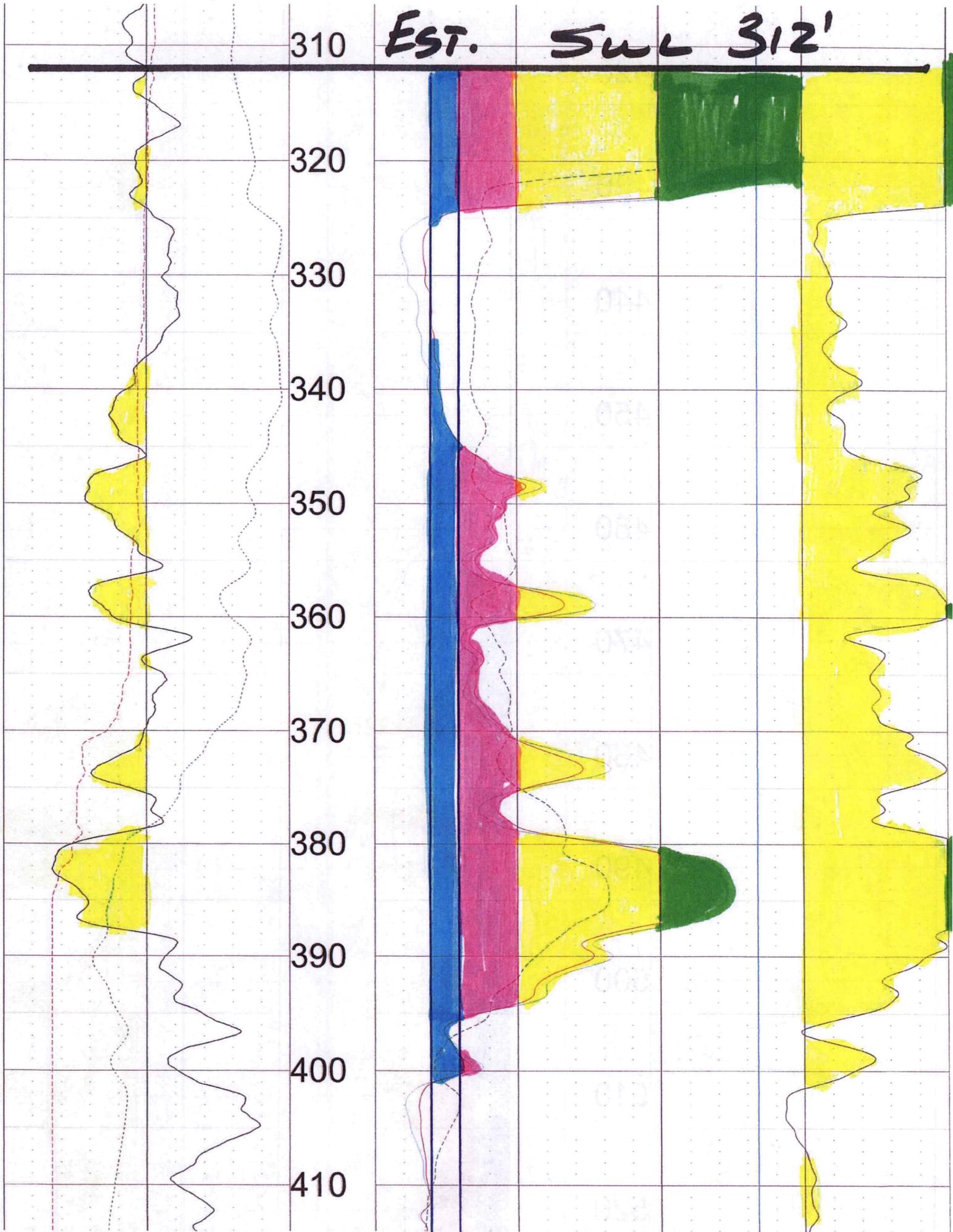
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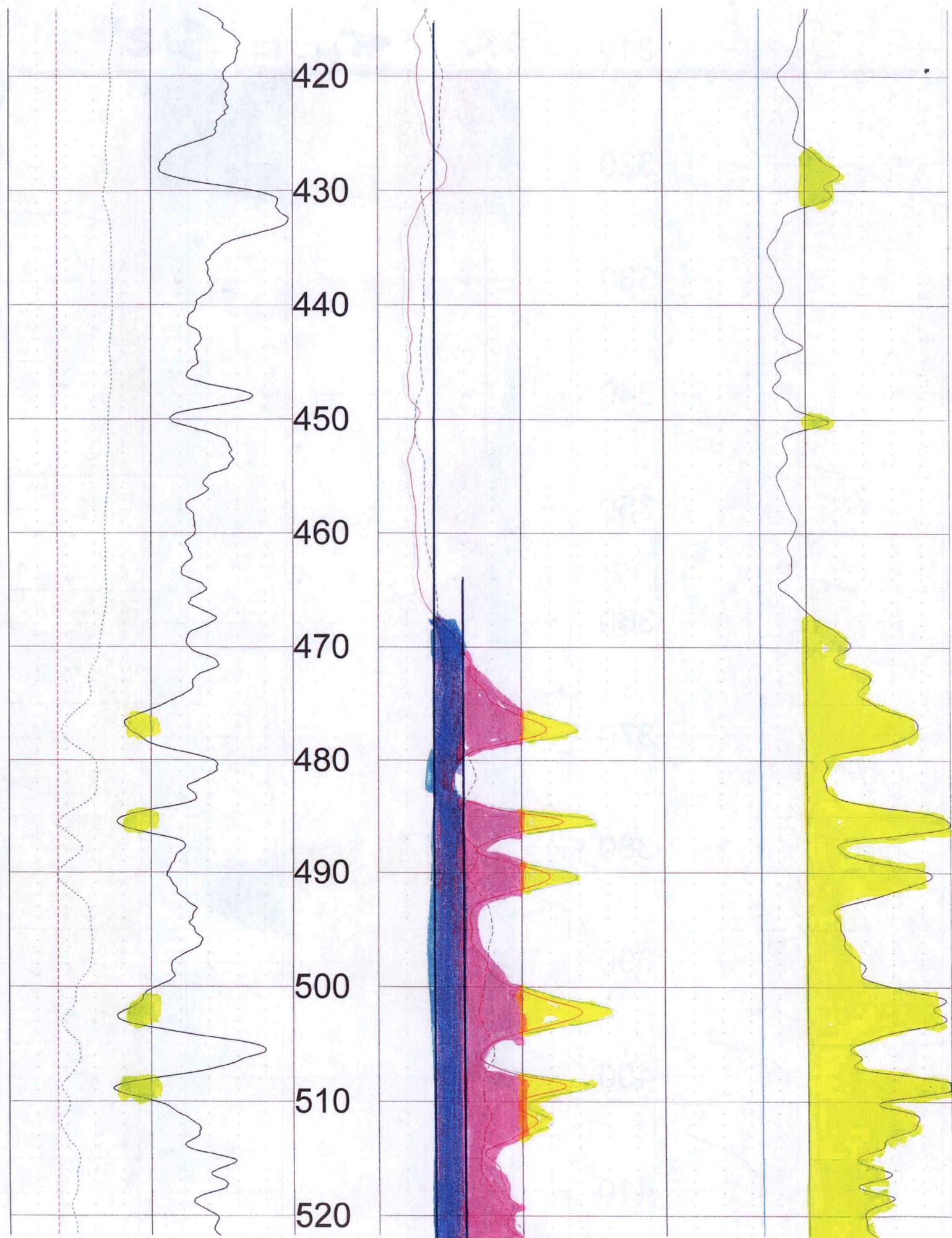
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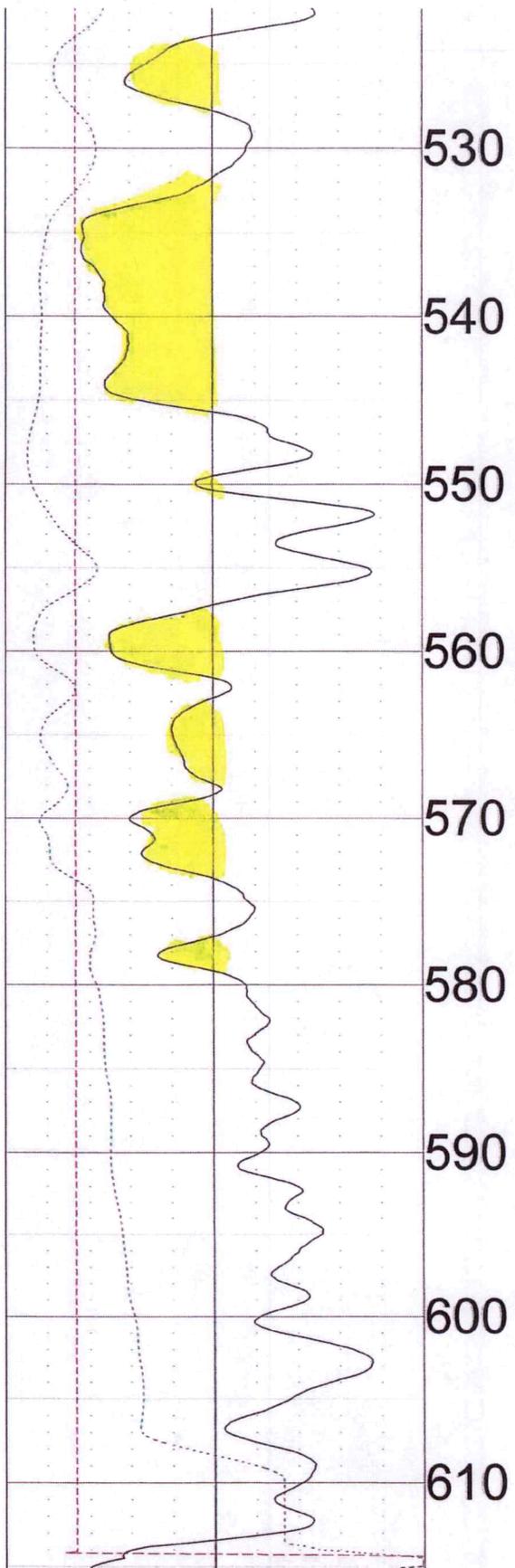
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400

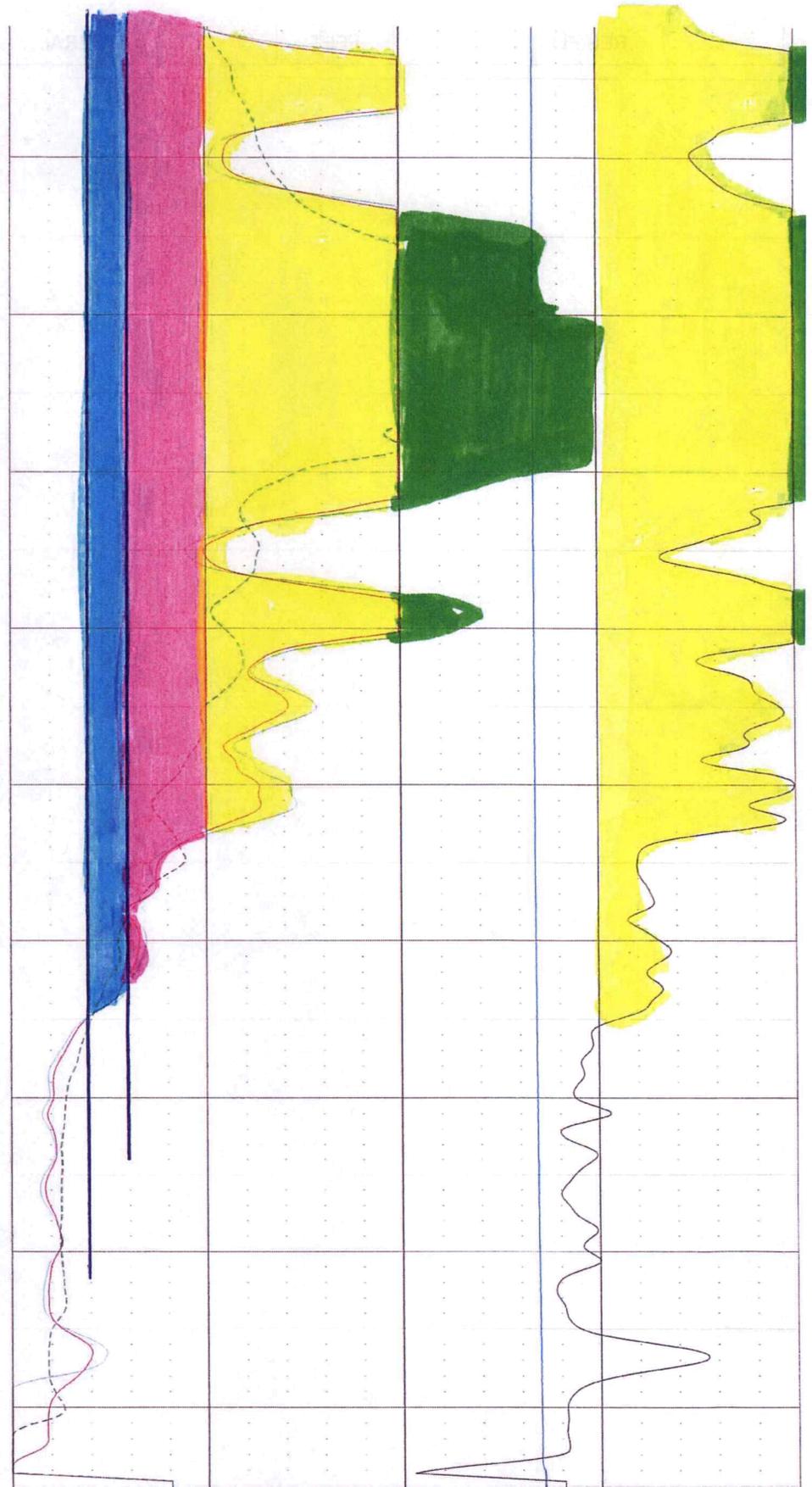
410







0	API-GR	200
	GAMMA	
-100	MV	50
	SP	
20	OHM-M	30



0	OHM-M	1000	OHM	100
	RES(16N)		RES	
0	OHM-M	10070	DEG_F	80
	RES(64N)		TEMP	
0	OHM-M	100		

RES(FL)

FEET

LATERAL

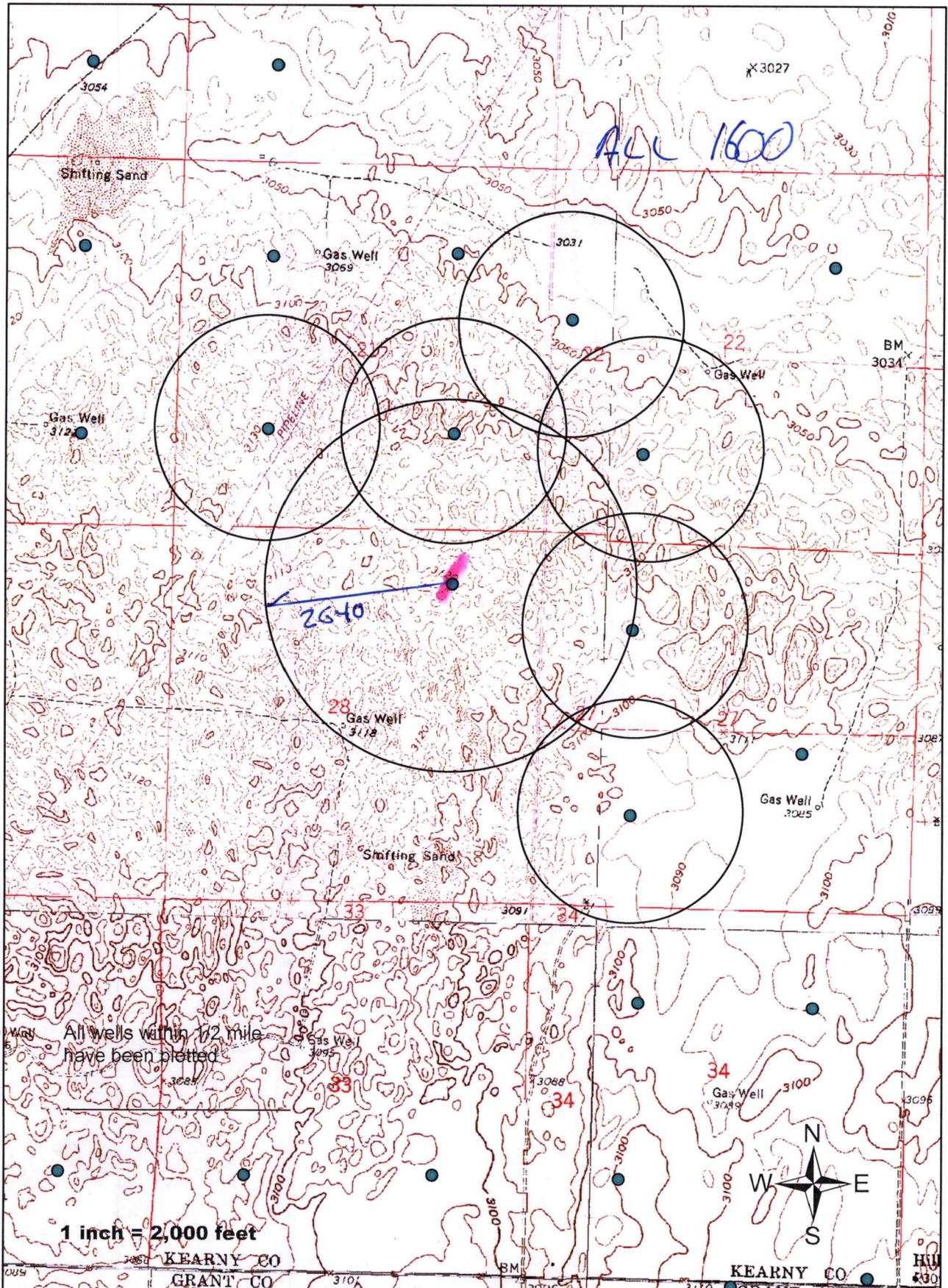
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080
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160
180
200
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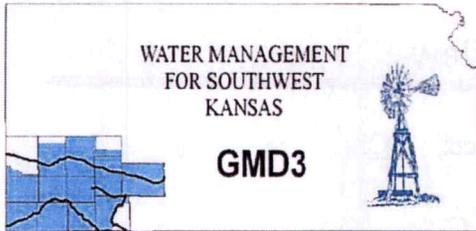


TOOL CALIBRATION SYRACUSE DAIRY 08/21/19 17:30
 TOOL 8144A TM VERSION 1
 SERIAL NUMBER 365

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

25312





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

September 26, 2019

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

RE: Application for Change in Point of Diversion
Water Right, File No. 25312

Dear Austin:

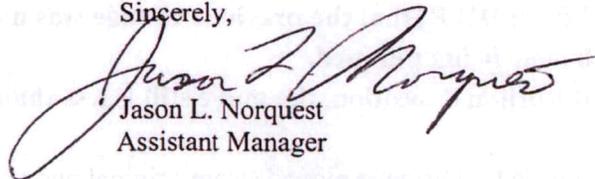
We have completed a review of the application for the above referenced water right. The proposed change in point of diversion is in accordance with current area rules, K.A.R. 5-23-3, as it pertains to distance moved and minimum spacing to neighboring wells.

Well evaluations were conducted to estimate possible effects of the proposal on the supply of other wells with water rights prior to the proposal per K.S.A. 82a-708b, and the draft revised management program. Under K.S.A. 82a-708b, an applicant requesting a change in point of diversion must demonstrate to the chief engineer that any proposed change is reasonable and will not impair. The enclosed report is an analysis performed by the GMD on behalf of our membership. Under this analysis, the proposed change is considered to be reasonable and unlikely to impair if either the net in-season well-to-well effect of the proposed change is less than a strict maximum allowable threshold (4 ft in cases where saturated thickness is greater than 200 ft), or if no well with a net well-to-well effect exceeding the threshold is identified as critical. Critical wells are identified as wells that are expected to either lose or greatly diminish water supply over the next 25 years. The attached review information is based on a Theis analysis using inputs from the GMD3 aquifer model, which is considered to be the best information on well and aquifer data readily and easily available to the public. If either the applicant or the neighbors believe they have better data that might change the result of the analysis, they should contact GMD3. Conclusions of the well analysis may change if better information on well and aquifer data can be made available.

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

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

Sincerely,



Jason L. Norquest
Assistant Manager

GMD3 Change Review

File No(s): 25312.

DWR office: GC.

App filed to change: PD.

Is Landowner(s) correct in WRIS: Syracuse Dairy LLC.

If NO, is documentation included?

Is Water Use Correspondent correct in WRIS? .

If NO, is documentation included?

Regulation(s) Reviewed: KAR 5-23-3

Point of diversion ID No(s) 06 being changed.

	ft. North	ft. West	
Authorized PD	3960	1320	Original location
Proposed PD	5078	1968	Sect 28-26-36
Difference	-1118 n	-648 w	
$a^2 + b^2 = c^2$	1249924	419904	1292.218 foot move NW

GPS for proposed PD: Lat: 37.764848 Long: -101.26046.

Is proposed PD stacking on existing WRs? No.

Is Proposed PU overlapping existing WRs? .

Land Owner(s) notified: .

Name .

Name .

Address .

Address .

Zip .

Zip .

Neighboring certified well(s) notified: yes.

Name .

Name .

Address .

Address .

Zip .

Zip .

Domestic well(s) notified: yes.

Name .

Name .

Address .

Address .

Zip .

Zip .

Base Acres: .

Perfected Acres: .

Irr. Return-Flow %

Need to verify that the previous PD change was actually completed. We don't show a notice and proof of inspection.

Confirmed from DWR, that the previous change was not completed and the old well has been the one being pumped.

Going off the original location, the move still is less than a half mile, within the rules.

Is a waiver needed: Distance moved (from original and noncompleted well) is less than half mile.

GMD3 Change Review

Recommendation: Analysis of wells in the area allow for 4' effect, calculations showed no effects greater than 2.2', so well within tolerance. The application appears to meet the current area rules and should have minimal effect on neighboring wells. Staff therefore recommends approval of the application.



Evaluation of proposed move for Water Right No 25312

Proposed: Move water right no. 25312 a distance of 1346 ft to the northwest.



Wells within 1 mile: 25310 ID1, 25310 ID2, 25310 ID3, 25310 ID4, 25309 ID4, 25314 ID4, 25314 ID1, 21597 ID1, 28833 ID5, a domestic well in section 28-26-36, and a domestic well in section 21-26-36.

The saturated thickness at the proposed well location is estimated to be 253 ft, based upon an observation well in section 21-26-36 and the driller's log at the proposed well location. For saturated thicknesses greater than 200 ft, the maximum allowable drawdown is 4.0 ft.

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

$S = 0.1823$, $T = 4159 \text{ ft}^2/\text{day}$, $t_{p\text{current}} = 143 \text{ days}$, $Q_{\text{current}} = 345 \text{ gpm}$, $t_{p\text{proposed}} = 66 \text{ days}$, $Q_{\text{proposed}} = 930 \text{ gpm}$

These drawdowns were calculated as follows:

25310 ID1:	Drawdown from current location = 1.78 ft
	Drawdown from proposed location = 2.58 ft
	Net drawdown = 0.8 ft
25310 ID2:	Drawdown from current location = 1.68 ft
	Drawdown from proposed location = 2.47 ft
	Net drawdown = 0.8 ft

25310 ID3: Drawdown from current location = 2.18 ft
Drawdown from proposed location = 3.63 ft
Net drawdown = **1.5 ft**

25310 ID4: Drawdown from current location = 2.65 ft
Drawdown from proposed location = 4.88 ft
Net drawdown = **2.2 ft**

25309 ID4: Drawdown from current location = 1.67 ft
Drawdown from proposed location = 2.35 ft
Net drawdown = **0.7 ft**

25314 ID4: Drawdown from current location = 2.69 ft
Drawdown from proposed location = 2.87 ft
Net drawdown = **0.2 ft**

25314 ID1: Drawdown from current location = 2.19 ft
Drawdown from proposed location = 2.81 ft
Net drawdown = **0.6 ft**

21597 ID1: Drawdown from current location = 2.16 ft
Drawdown from proposed location = 2.26 ft
Net drawdown = **0.1 ft**

28833 ID5: Drawdown from current location = 1.92 ft
Drawdown from proposed location = 2.66 ft
Net drawdown = **0.7 ft**

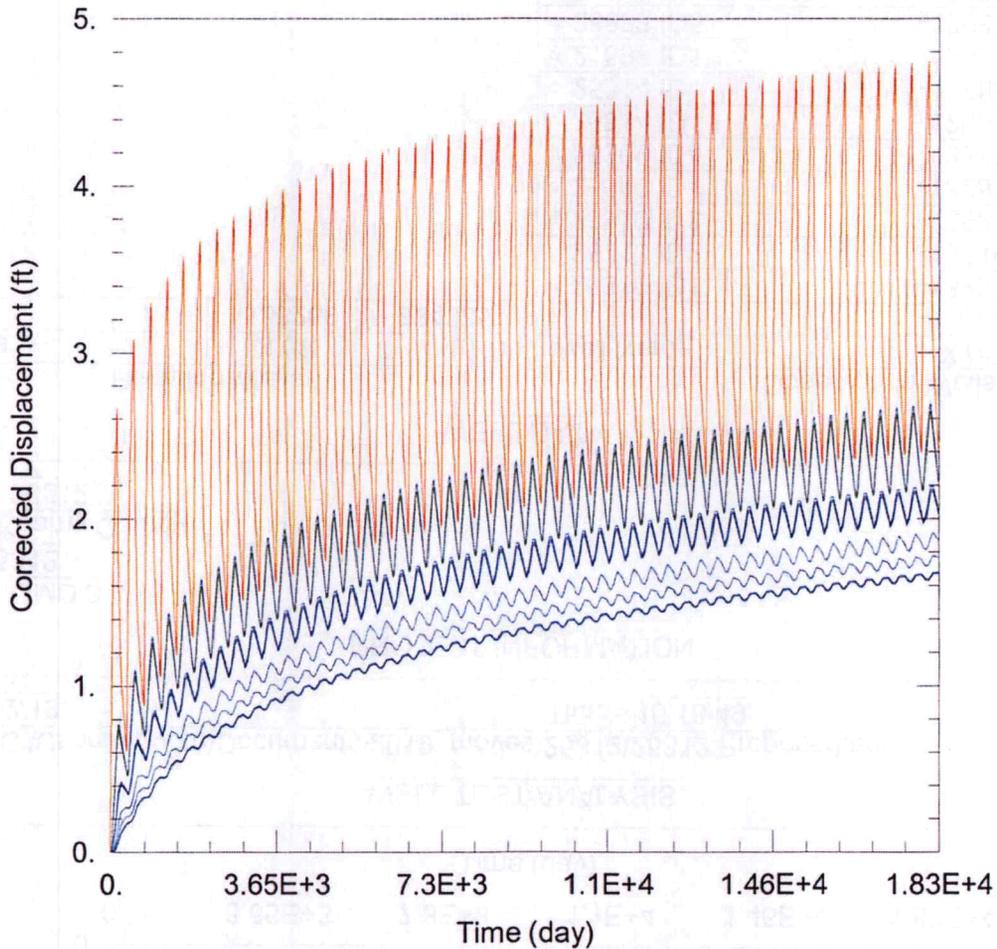
Domestic 28-26-36: Drawdown from current location = 4.75 ft
Drawdown from proposed location = 3.81
Net drawdown = **-0.9 ft**

Domestic 21-26-36: Drawdown from current location = 2.16 ft
Drawdown from proposed location = 3.16 ft
Net drawdown = **1.0 ft**

Net drawdown does not exceed the drawdown allowance on any neighboring wells, so critical well analysis is not necessary.

Conclusion:

This proposal will likely have a negligible effect on neighboring water rights. GMD3 staff recommends approval of the application.



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2019_moves\25312\25312 Current.aqt

Date: 09/12/19

Time: 15:18:39

PROJECT INFORMATION

Company: GMD 3

Project: 25312

Location: Kearny County

Test Well: 25312

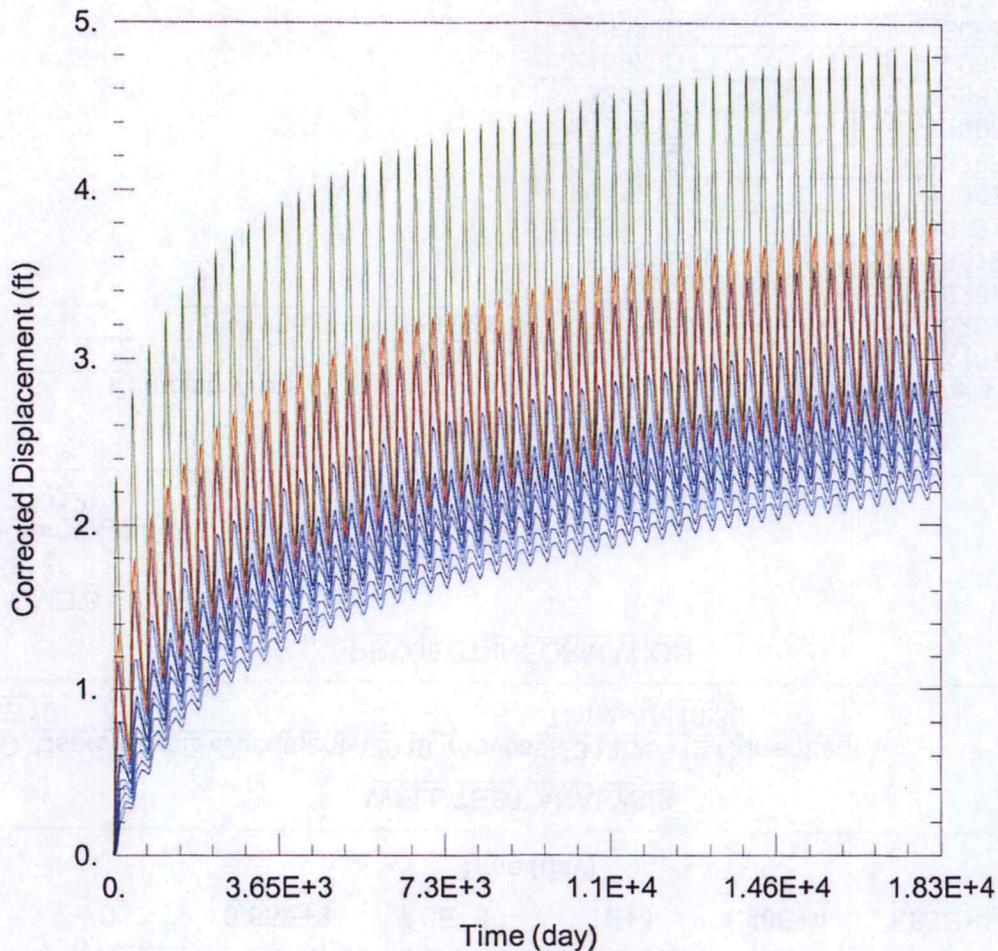
WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
25312	-132627	323152

Observation Wells

Well Name	X (ft)	Y (ft)
□	-132627	323152
□ 25310 ID1	-132578	328457
□ 25310 ID2	-135197	328368
□ 25310 ID3	-135215	325910
□ 25310 ID4	-132570	325894
□ 25309 ID4	-137861	325796
□ 25314 ID4	-129962	323146
□ 25314 ID1	-129870	325657
□ 21597 ID1	-129885	320488
□ 28833 ID5	-130880	327535
□ Domestic 28-26-36	-132274	322235
□ Domestic 21-26-36	-131582	326830



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2019_moves\25312\25312 Proposed.aqt

Date: 09/12/19

Time: 15:18:49

PROJECT INFORMATION

Company: GMD 3

Project: 25312

Location: Kearny County

Test Well: 25312

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
25312	-133269	324335

Observation Wells

Well Name	X (ft)	Y (ft)
□	-133269	324335
□ 25310 ID1	-132578	328457
□ 25310 ID2	-135197	328368
□ 25310 ID3	-135215	325910
□ 25310 ID4	-132570	325894
□ 25309 ID4	-137861	325796
□ 25314 ID4	-129962	323146
□ 25314 ID1	-129870	325657
□ 21597 ID1	-129885	320488
□ 28833 ID5	-130880	327535
□ Domestic 28-26-36	-132274	322235
□ Domestic 21-26-36	-131582	326830

Jason Norquest

From: McColloch, Austin [KDA] <Austin.McColloch@ks.gov>
Sent: Thursday, September 12, 2019 8:20 AM
To: Jason Norquest
Subject: RE: Recommendation Change PD File No. 25312

Jason,

Syracuse never completed the well from the previous change app (C1). Due to various reasons. In talking with Brent and Mike, they were ok with allowing Syracuse to submit this change app (C2) for a new PD on the basis that it is still within 2640' of the old old well (before C1) and still meets spacing to all other wells in the area. Instead of having them file paperwork to move back to the previous PD and then this change app, we decided it would be acceptable to just file this change app. It meets all the rules as if C1 never happened. The completion date will be removed from the C1 change and replaced by this one if approved.

Let me know if this helps or if you need further information.

Thanks,

Austin J. McColloch

Assistant Water Commissioner
Kansas Department of Agriculture- DWR
Garden City Field Office
<http://agriculture.ks.gov/>
Ph: (620) 276-2901

From: Jason Norquest <norquest@gmd3.org>
Sent: Wednesday, September 11, 2019 4:08 PM
To: McColloch, Austin [KDA] <Austin.McColloch@ks.gov>
Subject: RE: Recommendation Change PD File No. 25312

EXTERNAL: This email originated from outside of the organization. Do not click any links or open any attachments unless you trust the sender and know the content is safe.

Austin, I don't have anything in my file showing the previous PD change was ever noticed and proofed. I do see the were given extensions to complete the well from previous app. So I guess, did they complete it and been inspected and so forth?

Jason Norquest

Assistant Manager, GMD3
Cell: 620-271-1289
Office: 620-275-7147
www.gmd3.org

From: McColloch, Austin [KDA] <Austin.McColloch@ks.gov>
Sent: Wednesday, September 11, 2019 3:26 PM
To: Jason Norquest <norquest@gmd3.org>
Subject: Recommendation Change PD File No. 25312

Jason,

Attached is the change application referenced above submitted by Syracuse Dairy. Let me know if you have any questions.

Thanks,

Austin J. McColloch
Assistant Water Commissioner
Kansas Department of Agriculture- DWR
Garden City Field Office
<http://agriculture.ks.gov/>
Ph: (620) 276-2901

Water Rights and Points of Diversion Within 1.00 miles of point defined as:

5078 ft N and 1968 ft W of the SE Corner of Section 28, T 26S, R 36W

Located at: 101.260011 West Longitude and 37.764830 North Latitude

GROUNDWATER ONLY

1600' 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	Unit	
A_ 21597	00	IRR	NK	G	5250	/	--	NC	SW	1320	3690	27	26	36W	1		249.00	249.00	AF
A_ 25309	00	IRR	NK	G	4849	/	--	NC	SE	1320	1320	20	26	36W	4		270.00	270.00	AF
A_ 25310	00	IRR	NK	G	4261	/	--	NC	NE	3960	1320	21	26	36W	1		270.00	270.00	AF
Same					4634	/	--	NC	NW	3960	3960	21	26	36W	2		270.00	270.00	AF
Same					2499	/	--	NC	SW	1320	3960	21	26	36W	3		270.00	270.00	AF
Same					1711	/	--	NC	SE	1320	1320	21	26	36W	4		270.00	270.00	AF
A_ 25312	00	IRR	NK	G	930	/	--	SW	NE	4496	1242	28	26	36W	6		270.00	270.00	AF
A_ 25314	00	IRR	NK	G	3647	/	--	--	--	1320	3960	22	26	36W	1		270.00	270.00	AF
Same					3546	/	--	--	--	3960	3960	27	26	36W	4		270.00	270.00	AF
A_ 28833	00	IRR	NK	G	3980	/	--	SW	SW	3193	5032	22	26	36W	5		264.00	264.00	AF

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) =	2673.00	.00
Total Vested Amount (AF) =	.00	.00
TOTAL AMOUNT (AF) =	2673.00	.00

Minimum spacing is MET! for

An * after the source of supply indicates a pending application for change for the file number.

An * after the ID indicates a 15 AF exemption was granted for 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 1.00 miles of point defined as:

101.260011 West Longitude and 37.764830 North Latitude

GROUNDWATER ONLY

WATER USE CORRESPONDENTS:

File Number	Use	ST	SR
A_ 21597	00	IRR	NK G
>	SYRACUSE DAIRY LLC		
>	JAY HOUTSMA		
>	751 SE CR 36		
>	SYRACUSE KS 67878		

A_ 25309	00	IRR	NK G
>	SYRACUSE DAIRY LLC		
>	JAY HOUTSMA		
>	751 SE CR 36		
>	SYRACUSE KS 67878		

A_ 25310	00	IRR	NK G
>	SYRACUSE DAIRY LLC		
>	JAY HOUTSMA		
>	751 SE CR 36		

> SYRACUSE KS 67878

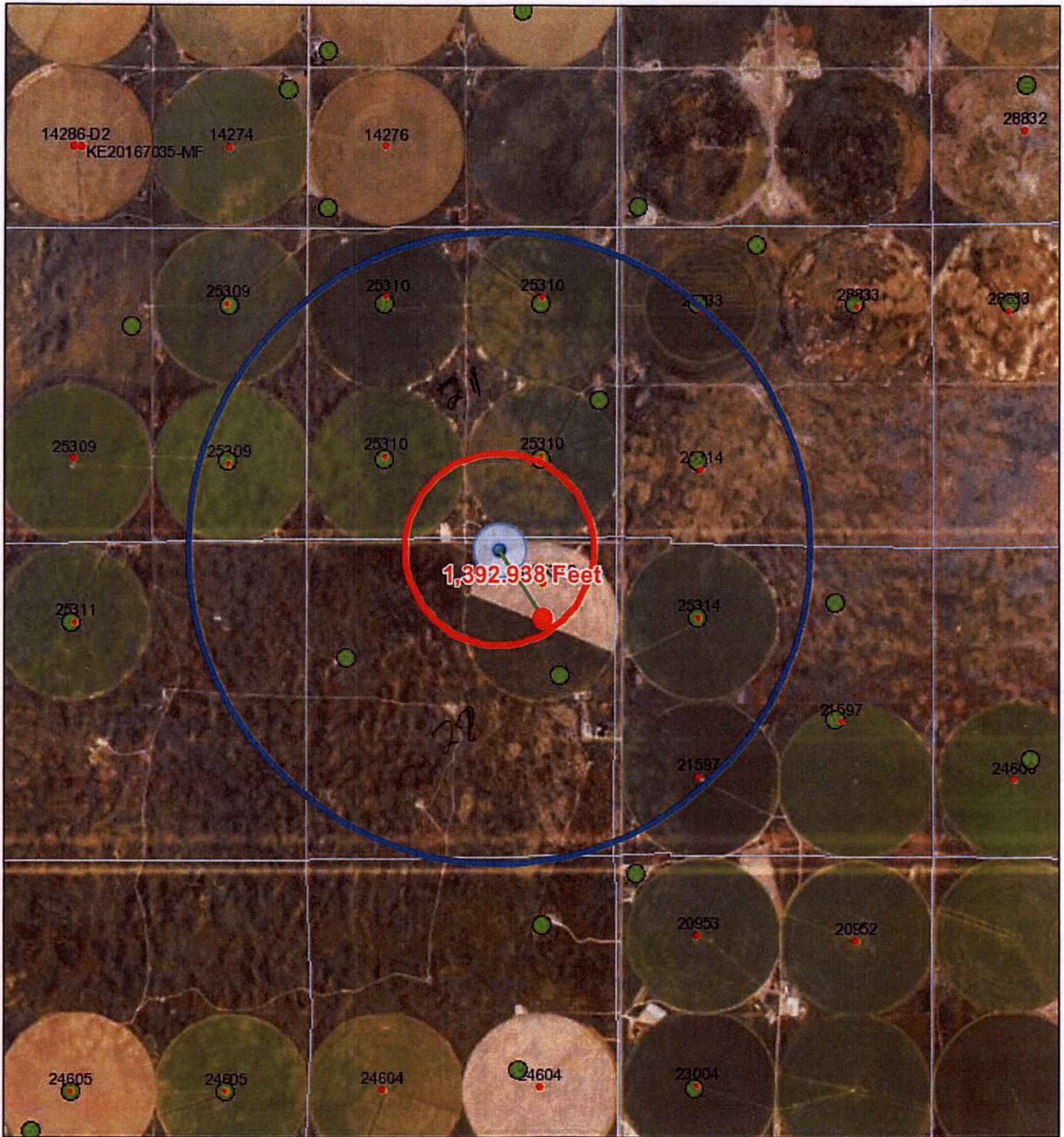
A_ 25312 00 IRR NK G
> SYRACUSE DAIRY LLC
> JAY HOUTSMA
> 751 SE CR 36
> SYRACUSE KS 67878

A_ 25314 00 IRR NK G
> DAVID & CARYN GUGELMEYER
>
> PO BOX 1092
> LAKIN KS 67860

> SYRACUSE DAIRY LLC
> JAY HOUTSMA
> 751 SE CR 36
> SYRACUSE KS 67878

A_ 28833 00 IRR NK G
> LV FARMS
>
> PO BOX C
> LAKIN KS 67860

Earl Berlier
PO Box 32
Lakin, KS
now Gugelmeyer



September 12, 2019

DISCLAIMER: This map is not intended for conveyances, nor is it a legal survey. The information is presented on a best-efforts basis, and should not be relied upon for making financial, survey, legal or other commitments.

Legend

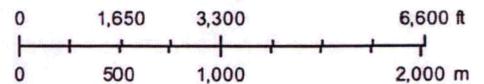
GPS Position

Wells

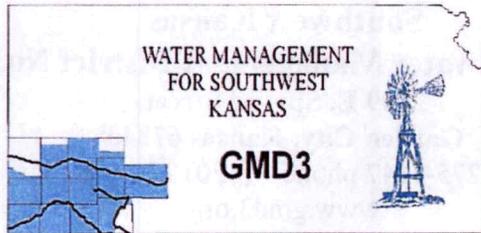
Other
 IRR

CON	IND	Empty
DEW	MUN	WWC5 WELLS GMD3
DOM	REC	Sections
FPR	STK	
HYD	THX	

1:36,112



GMD FSA 2016



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

September 13, 2019

LV Farms
PO Box C
Lakin, Kansas 67860

RE: Application for Change in Point of Diversion
Water Right, File No. 25312

Dear LV Farms:

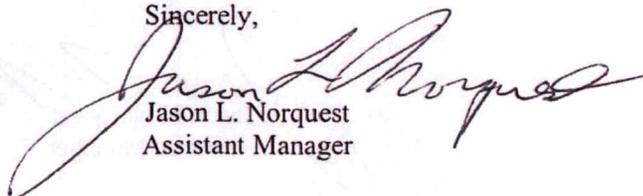
This is to inform you that Syracuse Dairy has applied to relocate their well roughly 1292 feet NW of their current well location in Section 28, Township 26s, Range 36w, in Kearny county. The proposed change in point of diversion is in accordance with current area rules, K.A.R. 5-23-3, as it pertains to distance moved and minimum spacing to neighboring wells.

Well evaluations were conducted to estimate possible effects of the proposal on the supply of other wells with water rights prior to the proposal per K.S.A. 82a-708b, and the draft revised management program. Under K.S.A. 82a-708b, an applicant requesting a change in point of diversion must demonstrate to the chief engineer that any proposed change is reasonable and will not impair. An analysis was performed by the GMD on behalf of our membership. Under this analysis, the proposed change is considered to be reasonable and unlikely to impair if either the net in-season well-to-well effect of the proposed change is less than a strict maximum allowable threshold (4 ft in cases where saturated thickness is greater than 200 ft), or if no well with a net well-to-well effect exceeding the threshold is identified as critical. Critical wells are identified as wells that are expected to either lose or greatly diminish water supply over the next 25 years. Review information is based on a Theis analysis using inputs from the GMD3 aquifer model, which is considered to be the best information on well and aquifer data readily and easily available to the public. If either the applicant or the neighbors believe they have better data that might change the result of the analysis, they should contact GMD3. Conclusions of the well analysis may change if better information on well and aquifer data can be made available.

A copy of the full change application can be found on the Division of Water Resources site, https://sftp.kda.ks.gov:4443/Notices/Garden_City_Field_Office/2019/. The results of the analysis can be found at <http://www.gmd3.org/what-we-do/well-to-well-analysis/>. Please review the analysis for the proposed change to Water Right 25312. If you have any questions or wish to provide better information, please contact our office by September 24, 2019. If no response is provided to our office, we will proceed with our recommendation to the Chief Engineer.

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

Sincerely,



Jason L. Norquest
Assistant Manager



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

September 13, 2019

David & Caryn Gugelmeyer
PO Box 1092
Lakin, Kansas 67860

RE: Application for Change in Point of Diversion
Water Right, File No. 25312

Dear David & Caryn Gugelmeyer:

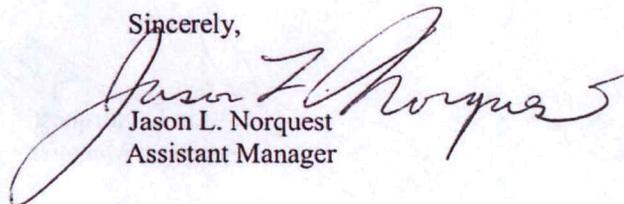
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Thank you for the for your time to review the application and to provide any information. If you have any questions, please don't hesitate to contact us.

Sincerely,

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

Jason L. Norquest
Assistant Manager

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

September 11, 2019

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

Change in Point of Diversion,
File No. 25312

Dear Sir or Madam:

We are enclosing a copy of the referenced application, which was submitted by Syracuse Dairy 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, appearing to read "Austin McColloch".

Austin McColloch
Assistant Water Commissioner

Enclosure
pc:



751 SE CR 36
Syracuse, KS 67878
(620) 492-2525

RECEIVED

SEP 03 2019

Garden City Field Office
Division of Water Resources

August 30, 2019

To: Mike Meyer, Water Commissioner
Kansas Department of Agriculture, Division of Water Resources
Garden City Field Office

From: Frank Mercurio, P.E.

Subject: File No. 25,312, Application for Approval to Change the Point of Diversion

An application to change the point of diversion and supporting documentation pertaining to the subject water right file number are enclosed with this memo. The following information is also provided for your consideration:

1. The subject well and all wells within ½ mile are owned by the applicant, Syracuse Dairy, LLC. We have no concerns about any impacts from the proposed well move.
2. The subject well and neighboring wells all have authorized quantities within the range of 201 to 300 acre-feet. According to the provisions of K.A.R. 5-23-3, the minimum well spacing requirement is 1,600 feet. The spacing to all wells equals or exceeds this requirement.
3. We searched the WWC5 database maintained by the Kansas Geological Survey to identify domestic wells within ½ mile of the subject well. We found records for two domestic wells in Section 21 T26S R36W and one in Section 28 T26S R36W. There are no operational domestic wells in Section 21 to the best of our knowledge. There is one domestic well in Section 28 and it is actually in the SE ¼ of this section. It appears that this well is more than ½ mile from the proposed well. Please note that the proposed move actually increases the spacing from the domestic well.

Please contact me if you have any questions concerning the enclosed application. Thank you for your consideration of this matter.