

Kansas Department of Agriculture
Division of Water Resources
 APPROVAL OF CHANGE APPLICATION WORKSHEET

1. File No.: 2309	2. Status Change Date:	4. Field Office: 04 - Garden City GMD: 03 - Southwest Structures File No.: Filing/Priority Date: 2/7/2024 Application Complete Date:
3. Package File No(s):		
5a. <input checked="" type="checkbox"/> Applicant <input checked="" type="checkbox"/> Owner <input checked="" type="checkbox"/> WUC <input type="checkbox"/> Address Change Person ID 67520 Add Seq#	5b. <input type="checkbox"/> Owner <input type="checkbox"/> WUC <input type="checkbox"/> Address Change Person ID Add Seq#	
SEASIDE TRUST ATTN: BRADLEY SCHREPEL TRUSTEE PO BOX 9082 KETCHIKAN, AK 99901		
5c. <input type="checkbox"/> Owner <input type="checkbox"/> WUC <input type="checkbox"/> Address Change Person ID Add Seq#	5d. <input type="checkbox"/> Owner <input type="checkbox"/> WUC <input type="checkbox"/> Address Change Person ID Add Seq#	
6. Change No.: C1 <input checked="" type="checkbox"/> PD <input type="checkbox"/> PU <input type="checkbox"/> UMW Base Acres: Year: Min Reasonable Q: Previous UMW: Not changing MDS Gauge: Active Admin? <input type="checkbox"/> Completion/Start Date: 12/31/2025 Perfection/Expiration Date:		7. Use of Water <input checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Surface Water UMW: IRR-Irrigation UMW: UMW:
8. Action Trail		
9. Special Conditions		
10. 5YR Allocation Type: Start Year: 5YR Quantity: Base Acres: Comment:		
11. Sand & Gravel Proj ID: <input type="checkbox"/> Active <input type="checkbox"/> Dredge <input type="checkbox"/> IND Evap <input type="checkbox"/> Jr Evap <input type="checkbox"/> Other Diversion <input type="checkbox"/> Rpt on Sr		
12. Waiver Rule ID: <input type="checkbox"/> New Date Requested: Applies: Rule No.: Justification: Rule Type: Rule SubType:		
Comments REMOVING BLANKET R & Q - SET INDIVIDUAL R & Q PER WELL		Processed 11/20/2024 AM Reviewed
		Entered

File No. 2309	13. County: GT Basin: BEAR CREEK Stream:		
Structures File No:	Aquifer Code: 211 / 331	Special Use Area:	

14. Points of Diversion, Rates & Quantities

PDIV	Qualifier	S	T	R	ID	'N	'W	Comment (AKA Line)	Qty		Rate		Storage Qty		Storage Rate		Overlaps
									Auth	Add	Auth	Add	Auth	Add	Auth/Add		
DEL	13147																
ENT	NW SE SW	22	27S	38W		737	3604		280	0	360	360					
MOD	39591 NC SE	22	27S	38W	4	1320	1320		1040	0	2040	2040					

15. Limitations Type: Quantity: Rate: combined with file no(s): **1920 AF/YR ON 960 ACRES (NO CHANGE)**
 Type: Quantity: Rate: combined with file no(s):

16. Metering Metering Required Anti-Reverse Required Seal Required Compliance Date: 12/31/2025

17. Place of Use	PUSE	S	T	R	ID	NE¼				NW¼				SW¼				SE¼				Total	Owner(s)	Chg?	Overlaps
						NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE				
CHK	30212																								<input type="checkbox"/>
CHK	36636																								<input type="checkbox"/>
																									<input type="checkbox"/>
																									<input type="checkbox"/>
																									<input type="checkbox"/>

18. Point of Diversion and Place of Use Overlaps

* + # ^	** ++ ## ^^
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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

November 20, 2024

SEASIDE TRUST
Attn: BRADLEY SCHREPEL TRUSTEE
PO BOX 9082
KETCHIKAN, AK 99901

RE: Filed Office Application for Change
Water Right, File No. 2309

Dear Sir or Madam:

Enclosed is the order executed by the designee of the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, approving the application for change under the above referenced file number.

Your attention is directed to the enclosures and to the terms, conditions, and limitations specified in this approval for change. A condition of this approval is that an acceptable water flow meter must be installed on the diversion works authorized under the referenced file number and meet current specifications. Please return the required notification of completion of the diversion works and installation of the required meter as soon as these actions are completed.

Since the order modifies the original document referred to above, it should be recorded with the Register of Deeds as other instruments affecting real estate.

The abandoned well must be plugged in accordance with the requirements of Article 30 of the Rules and Regulations as adopted by the Kansas Department of Health and Environment.

Should you have any questions, please feel free contact this office. If you would prefer, you could arrange an appointment for additional assistance.

Sincerely,

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

Austin J. McColloch
Assistant Water Commissioner

AM:
enclosures

pc: GMD 3


CERTIFICATE OF SERVICE

On this 20th day of November, 2024, I hereby certify that the foregoing Approval of Application for Change in Point of Diversion, Water Right, File No. 2,309 dated 20th day of November, 2024 was mailed postage prepaid, first class, US mail to the following:

SEASIDE TRUST
Attn: BRADLEY SCHREPEL TRUSTEE
PO BOX 9082
KETCHIKAN, AK 99901

Pc:

GMD 3


Division of Water Resources Staff

Submit completed application to:
 Kansas Department of Agriculture
 Division of Water Resources
 Field Office for your area.

Call for address:

Topeka -- (785) 296-5733
 Stafford -- (620) 234-5311
 Stockton -- (785) 425-6787
 Garden City -- (620) 276-2901
<http://agriculture.ks.gov/dwr>

DWR FIELD OFFICE APPLICATION FOR APPROVAL TO CHANGE THE PLACE OF USE AND/OR THE POINT OF DIVERSION



STATE OF KANSAS

Filing Fee Must Accompany the Application, K.S.A. 82a-708b(b), as amended.
 Fee Schedule is on the third page of this application form.

Paragraph Nos. 1, 2, 3 & 5 must be completed. Complete all other applicable portions. If change in point of diversion is greater than 100 feet, or if place of use will be changed, include a topographic map or detailed plat showing the authorized and proposed point(s) of diversion and/or place of use.

 File No. 2309

RECEIVED
1:00 pm
FEB 07 2024

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: SEASIDE TRUST BRADLEY SCHREPEL TRUSTEE

PO BOX 9082 KETCHIKAN AK 99901

Phone Number: (907) 617-0191 Email address: brad.schrepe@gmail.com

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: SAME AS ABOVE - 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: _____

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 2-7-24 Check # 1237

5. **Presently authorized point of diversion:**
 One in the NE Quarter of the SW Quarter of the SW Quarter of Section 22, Township 27 South, Range 38 (W), in GRANT County, Kansas, 1036 feet North 4088 feet West of Southeast corner of section.
 Authorized Rate 2400 GPM Authorized Quantity 1320 AF 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 NW Quarter of the SE Quarter of the SW Quarter of Section 22, Township 27 South, Range 38 (W), in GRANT County, Kansas, 737 feet North 3604 feet West of Southeast corner of section.
 Proposed Rate 360 GPM Proposed Quantity 280 AF Proposed well depth (feet) 620'
 This point is: Additional Well Geo Center List other water rights that will use this point NONE

6. **Presently authorized point of diversion:**
 One in the _____ Quarter of the NC Quarter of the SE Quarter of Section 22, Township 27 South, Range 38 (W), in GRANT County, Kansas, 1320 feet North 1320 feet West of Southeast corner of section.
 Authorized Rate 2400 GPM Authorized Quantity 1320 AF Depth of well _____ (feet)
 (DWR use only: Computer ID No. 04 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 NC Quarter of the SE Quarter of Section 22, Township 27 South, Range 38 (W), in Grant County, Kansas, 1320 feet North 1320 feet West of Southeast corner of section.
 Proposed Rate 2040 GPM Proposed Quantity 1040 AF 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) LOSS OF PRODUCTION

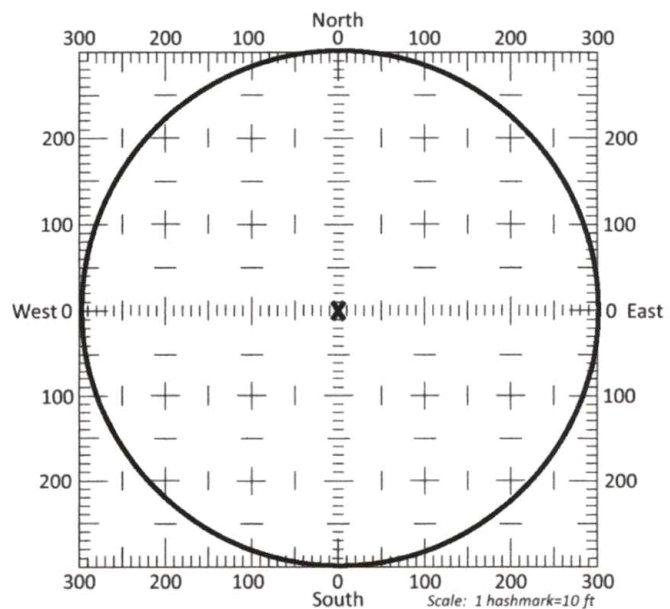
8. If a well, is the test hole log attached? Yes No

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?
PLUG / CAP
 (b) When will this be done? UPON COMPLETION

11. Groundwater Management District recommendation attached?
 Yes No

12. Assisted by AM / 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 Ketchikan, ~~Kansas~~ ^{Alaska}, this 25 day of January, 2024.

[Signature]
(Owner)

(Spouse)

Bradley D Schrepel
(Please Print) Trustee

(Please Print)

Jara D. Schrepel trustee
(Owner)

(Spouse)

Tara G Schrepel
(Please Print) Trustee

(Please Print)

(Owner)

(Spouse)

(Please Print)

(Please Print)

RECEIVED

FEB 28 2024

Garden City Field Office
Division of Water Resources

State of ~~Kansas~~ ^{Alaska} }
County of Ketchikan } SS

I hereby certify that the foregoing application was signed in my presence and sworn to before me this 25th day of January, 2024.

[Signature]
Notary Public

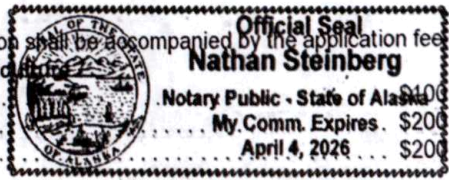
My Commission Expires April 04, 2026

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
- (2) Application to change a point of diversion more than 300 feet
- (3) Application to change the place of use



ADDITIONAL CONDITIONS TO
SUMMARY ORDER APPROVING APPLICATION FOR CHANGE
AND IMPOSING CONDITIONS,
Water Right, File No. 2,309

The effective date of the change shall be the date this order is executed by the Chief Engineer, after which the following condition is included as a condition of the approval of this application for change in point of diversion.

This order effectively reduces the authorized quantity not to exceed 280 acre-feet per calendar year and a maximum rate of diversion to a rate not to exceed 360 gallons per minute (0.08 c.f.s.) from the authorized point of diversion located in the Northwest Quarter of the Southeast Quarter of the Southwest Quarter (NW¹/₄ SE¹/₄ SW¹/₄) of Section 22, more particularly described as being near a point 737 feet North and 3,604 feet West of the Southeast corner of said section, in Township 27 South, Range 38 West, Grant County, and

This order effectively reduces the authorized quantity not to exceed 1,040 acre-feet per calendar year and a maximum rate of diversion to a rate not to exceed 2,040 gallons per minute (4.54 c.f.s.) from the authorized point of diversion located near the center of the Southeast Quarter (SE¹/₄) of Section 22, more particularly described as being near a point 1,320 feet North and 1,320 feet West of the Southeast corner of said section, in Township 27 South, Range 38 West, Grant County.

By: *Austin McColloch*
(Duly Authorized Designee of the Chief Engineer)

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

Dated of Issuance: November 20, 2024

State of Kansas)
) SS
County of Finney)

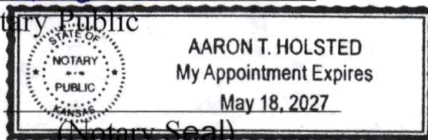
Acknowledged before me on the 20th day of November, 2024

By *Austin McColloch*

Signature *Aaron Holsted*

Notary Public

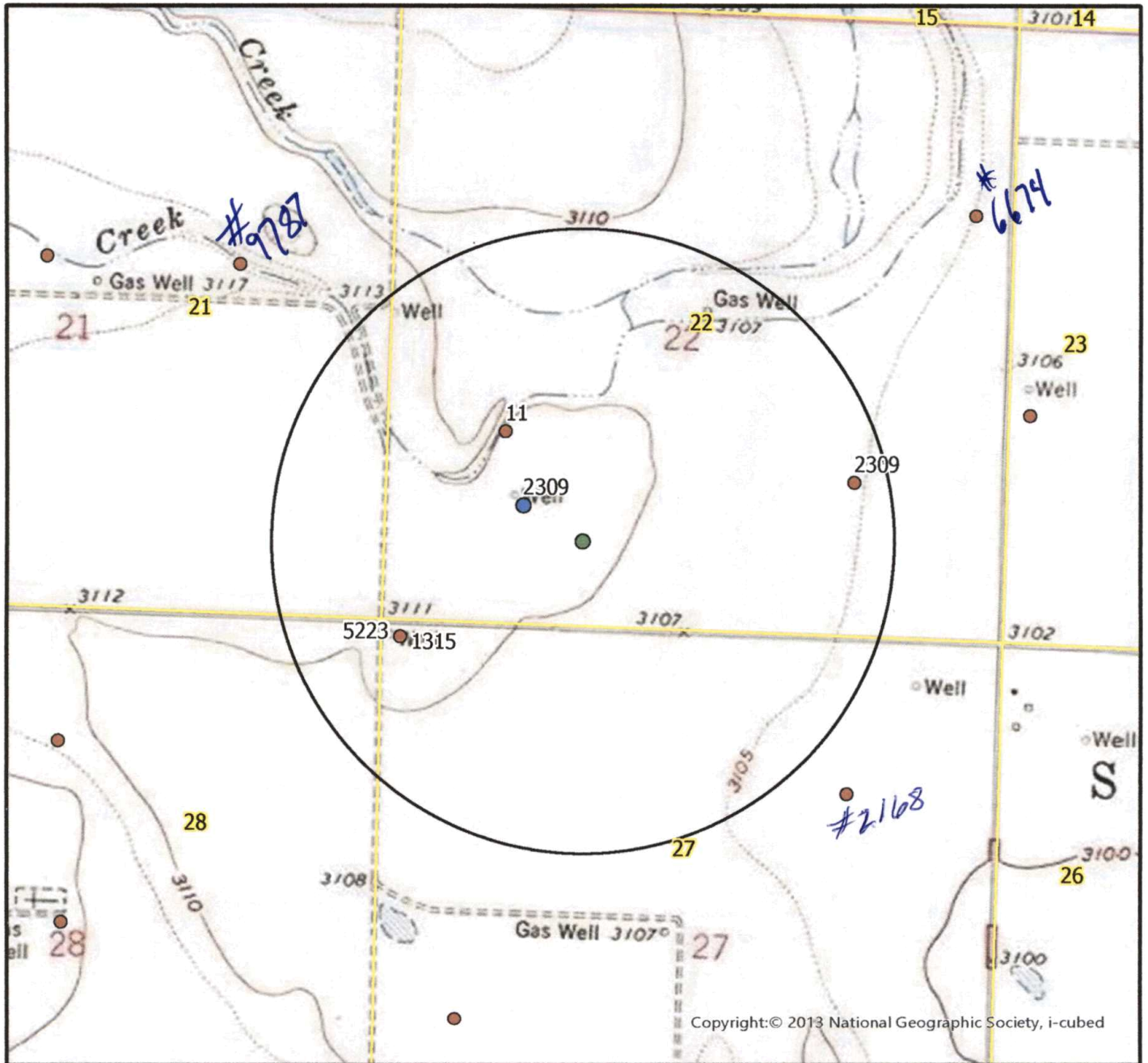
My Commission expires:



(Notary Seal)

CHANGE IN POINT OF DIVERSION WATER RIGHT, FILE NO. 2309

SW1/4 of Section 22 Township 27 South Range 38 West Grant County



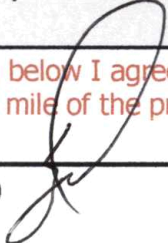
	Authorized Point of Diversion
	Proposed Point of Diversion
	Permitted Water Right
	Domestic Well within 1/2 mile
	1/2 mile buffer

List of owner name and addresses within 1/2 mile:

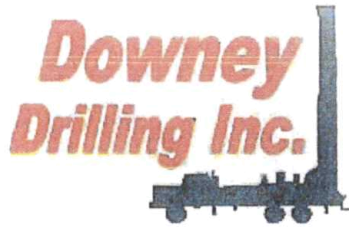
- GT-11 & 2309 - SAME AS APPLICANT
- 1315 & 5223 - DAVID WALKER
PO BOX 724 JOHNSON KS 67855



By signing below I agree that all wells, including domestic, and owners names and addresses within 1/2 mile of the proposed point of diversion have been shown on the map

(Signature)  Date 01/21/2024

AM/GCFO
1:24,000 Scale



CUSTOMER NAME: STEVE HIGGS

TH#1

LEGAL: S 1/2 22-27S-38W

COUNTY: GRANT CO, KS

GPS: 37.68034

-101.466514

DRILLER: DIEGO

WO: 21-891

V	FROM	TO	TYPE	HARDNESS	COLOR	SPEED	PULL DOWN	OTHER / DRILLING ACTION
0	4		TOP SOIL	SOFT	DARK BROWN	SLOW		SMOOTH
4	14		BROWN SILTY CLAY	SOFT	BROWN	SLOW		SMOOTH
14	30		FINE SAND W/ BROWN SILTY CLAY	SOFT	BROWN	FASTER		VIBRATION
30	46		FINE-MED-COARSE SAND	SOFT	YELLOW LIGHT BROWN	FAST		CHOPPY
46	57		LIGHT BROWN SILTY CLAY	SOFT		FAST		SMOOTH
57	68		FINE-MED SAND	SOFT		FAST		CHOPPY
68	135		BROWN STICKY CLAY	STICKY	BROWN	FAST		SMOOTH
135	170		BLUE CLAY W/ FINE SAND LAYERS	SOFT	BLUE	FAST		SMOOTH & VIBRATION
170	205		FINE-MED-COARSE SAND	FIRM		FAST		CHOPPY
205	220		FINE-MED-COARSE SAND W/ FINE GRAVEL	STIFF		FAST		FAST CHATTER
220	233		FINE-MED-COARSE SAND	FIRM		FAST		FAST CHATTER
233	236		SANDY CLAY	SOFT	BROWN	FAST		SMOOTH
236	248		FINE-MED-COARSE SAND	FIRM		FAST		FAST CHATTER
248	255		SANDY CLAY	SOFT	TAN	FAST		SMOOTH
255	285		FINE SAND W/ SANDY CLAY	SOFT		FAST		VIBRATION
285	290		WHITE CLAY	SOFT	WHITE	SLOW		SMOOTH
290	315		YELLOW SOAPSTONE W/ BROWN ROCK LEDGES	SOFT	YELLOW & BROWN	FASTER		VIBRATION & CHOPPY
315	347		FINE SAND W/ YELLOW SANDSTONE	FIRM	YELLOW	FAST		FAST CHATTER
347	377		BROWN ROCK W/ SANDSTONE & FINE SAND	STIFF	BROWN & YELLOW	FAST		FAST CHATTER
377	390		WHITE SANDSTONE W/ WHITE SOAPSTONE	STIFF	WHITE	FAST		CHATTER & VIBRATION
390	396		GRAY & GREENISH BROWN SOAPSTONE	SOFT	GRAY & BROWN	SEMI SLOW		VIBRATION
396	416		SHALE W/ BROKEN ROCK LEDGES	FIRM	BLUE	SLOW		SMOOTH & CHOPPY
416	447		SHALE	STICKY	BLUE	SLOW		SMOOTH
447	448		HARD SPOT (LIME ROCK?)	HARD	WHITE	SLOW		CHATTER
448	470		SHALE	SOFT	BLUE	SLOW		SMOOTH
470	478		SANDSTONE W/ FINE SAND	FIRM	GRAY	FAST		FAST CHATTER
478	495		SHALE	SOFT	BLUE	SLOW		SMOOTH
495	515		SANDSTONE W/ FINE SAND	STIFF	GRAY	FAST		FAST CHATTER
515	525		SOAPSTONE	SOFT	GRAY	FAST		VIBRATION
525	579		SANDSTONE W/ FINE SAND	STIFF	GRAY	FAST		FAST CHATTER
579	590		WHITE SANDSTONE	STIFF	WHITE	FAST		CHATTER
590	594		GREEN CLAY	FIRM	GREEN	SLOW		CHOPPY
594	603		RED CLAY	FIRM	RED	SLOW		CHOPPY
603	623		SANDSTONE W/ IRON PYRITE & FINE SAND	STIFF	TAN	FAST		FAST CHATTER
623	642		RED BED	HARD	RED	SLOW		CHATTER



Century GEOPHYSICAL CORP.

STEVE HIGGS

COMPANY : DOWNEY DRILLING INC
WELL : STEVE HIGG
LOCATION/FIELD : TH#1
COUNTY : GRANT
LOCATION : S 1/2
SECTION : 22

OTHER SERVICES:



TOWNSHIP : 27S RANGE : 38W

DATE : 10/25/23
DEPTH DRILLER : 642
LOG BOTTOM : 635.20
LOG TOP : 0.90

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

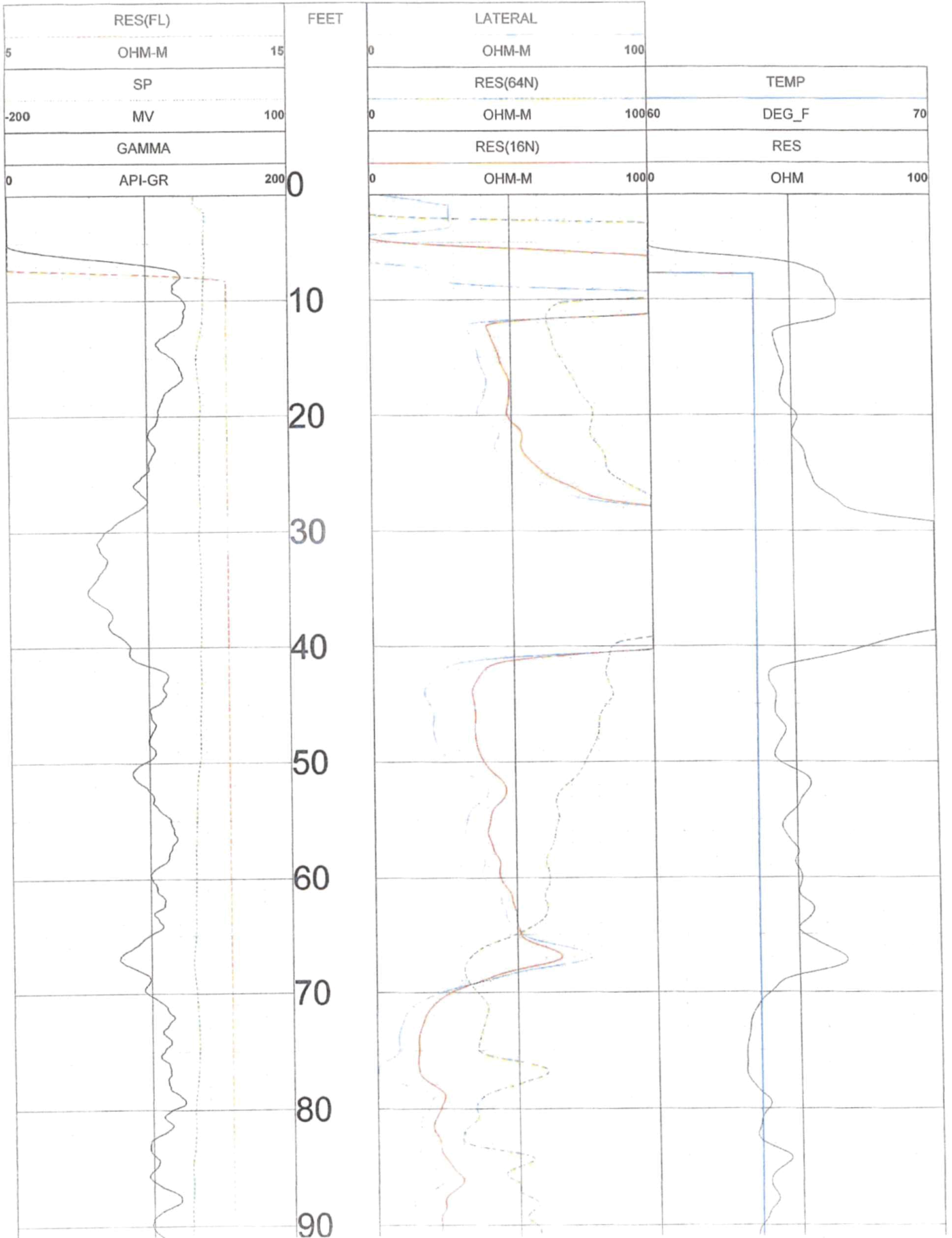
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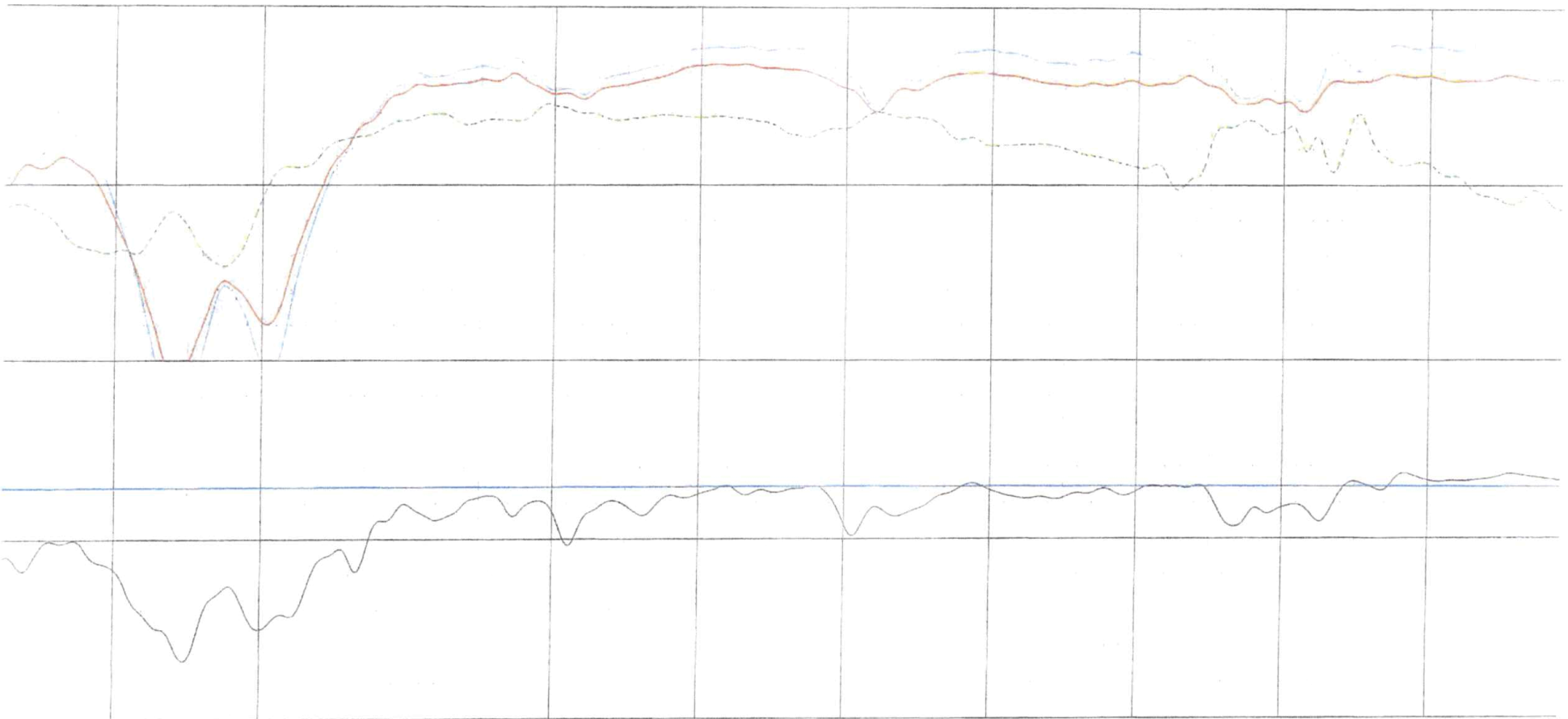
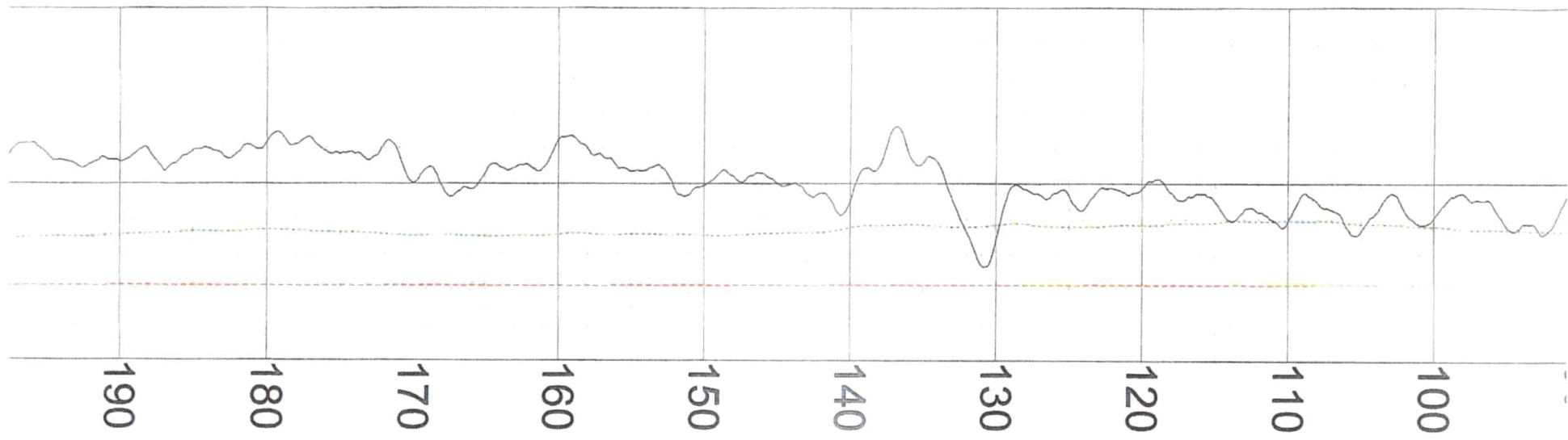
LGTIME : 15:41:

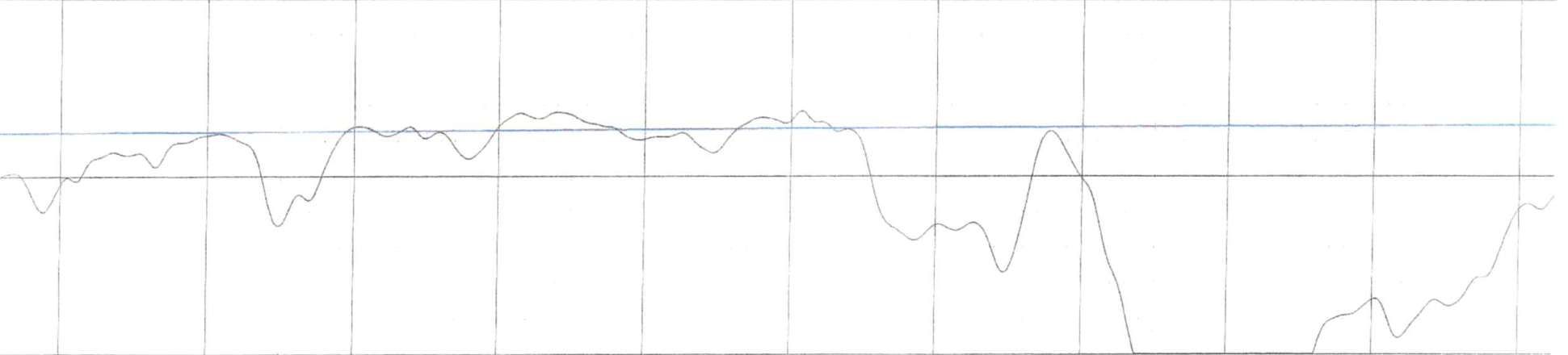
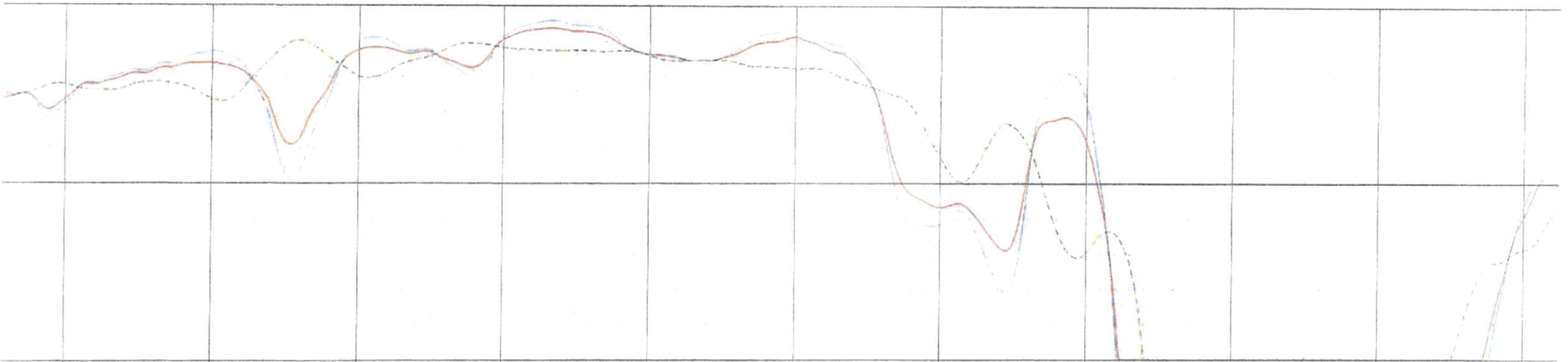
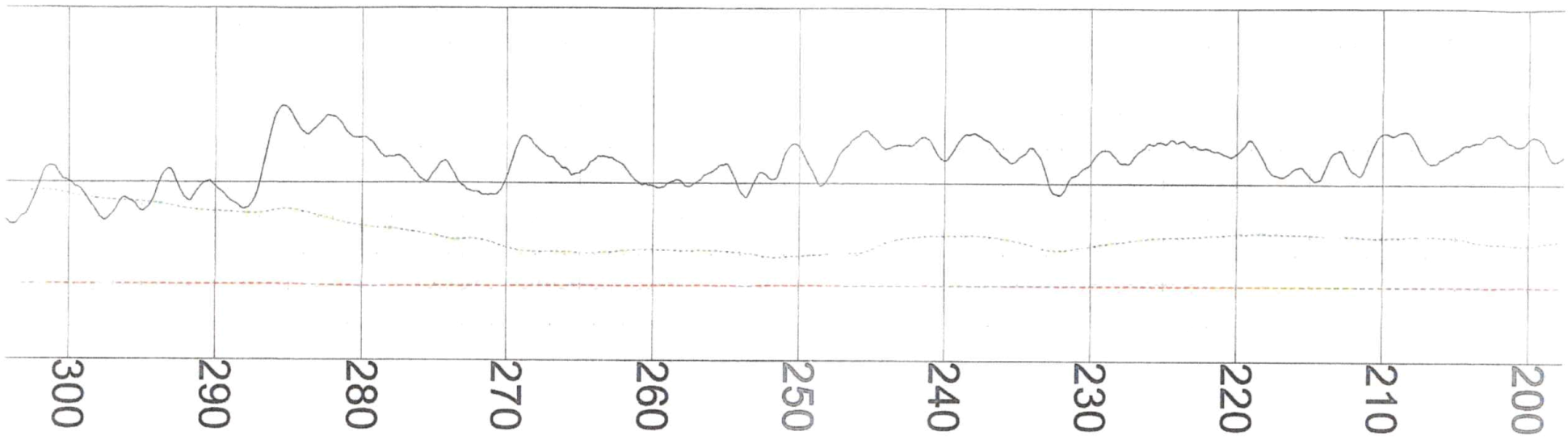
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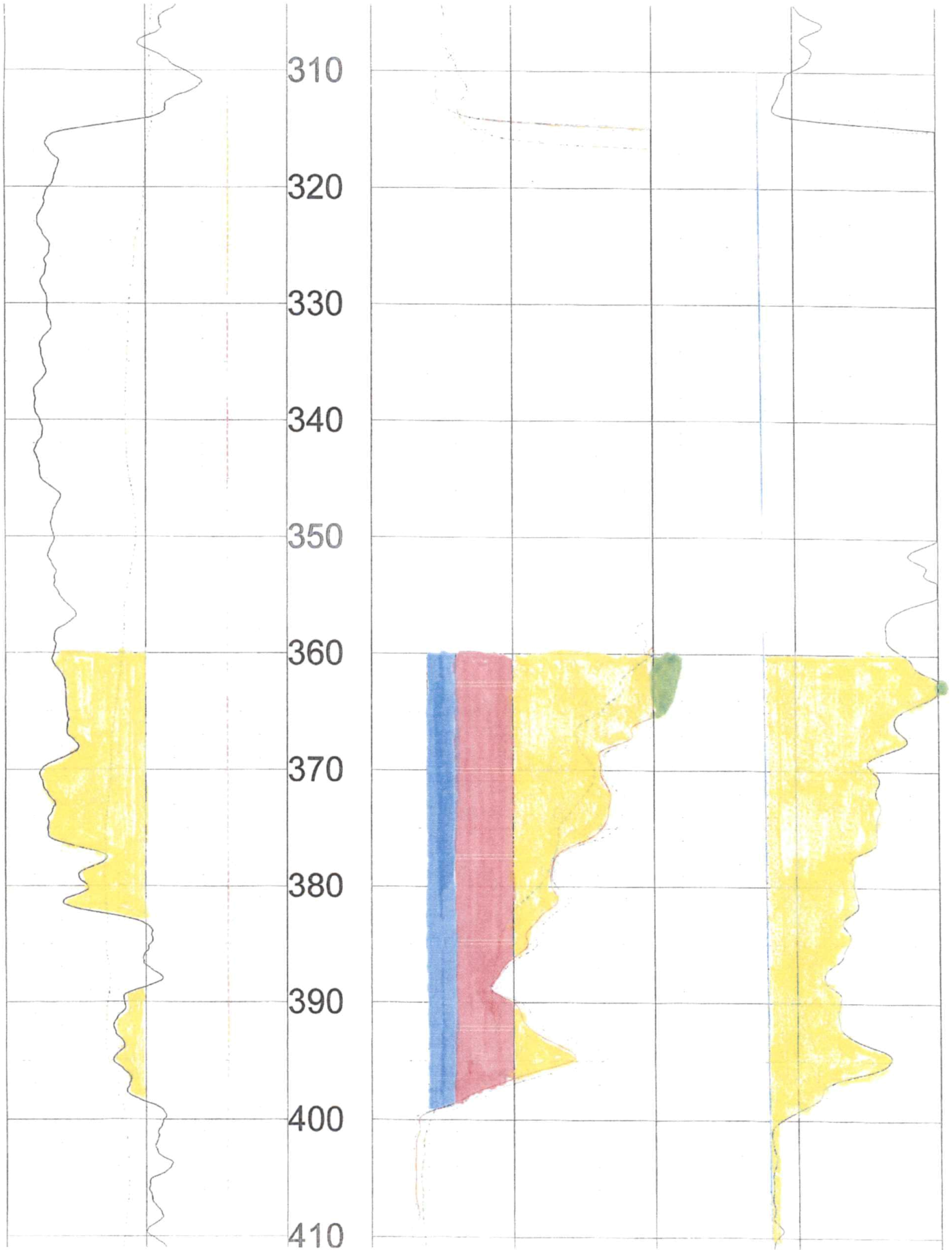
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W -101.46651

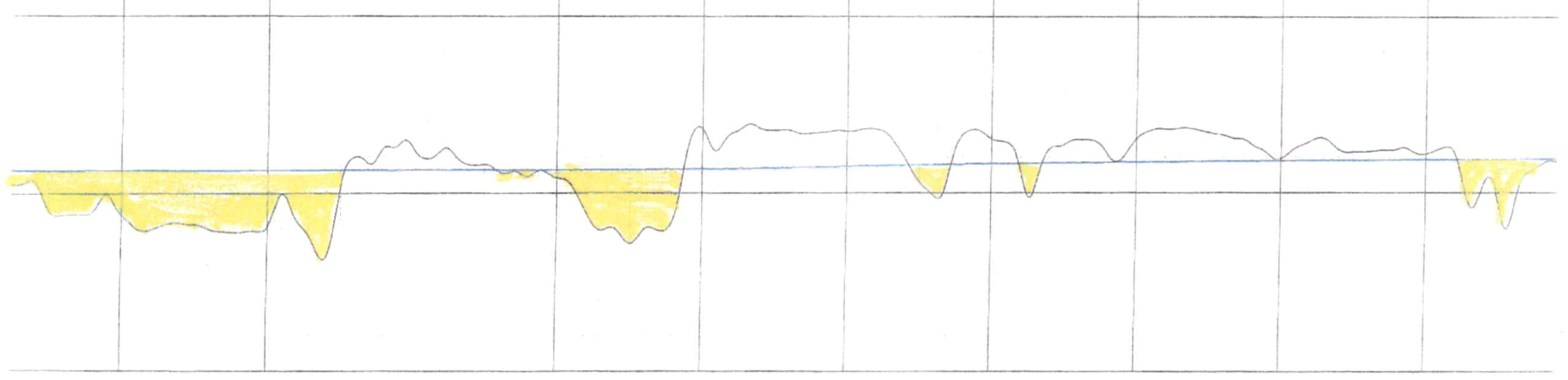
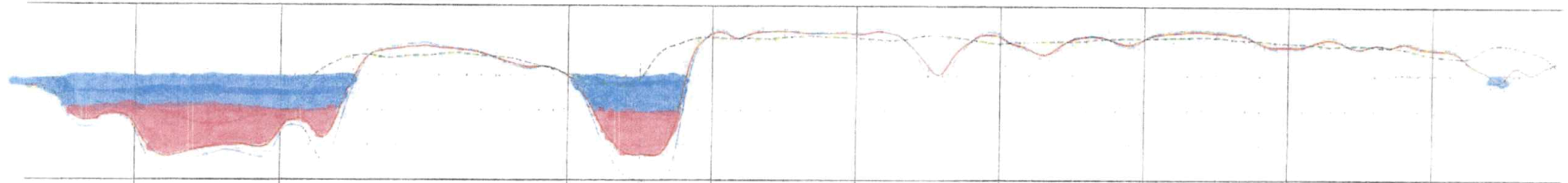
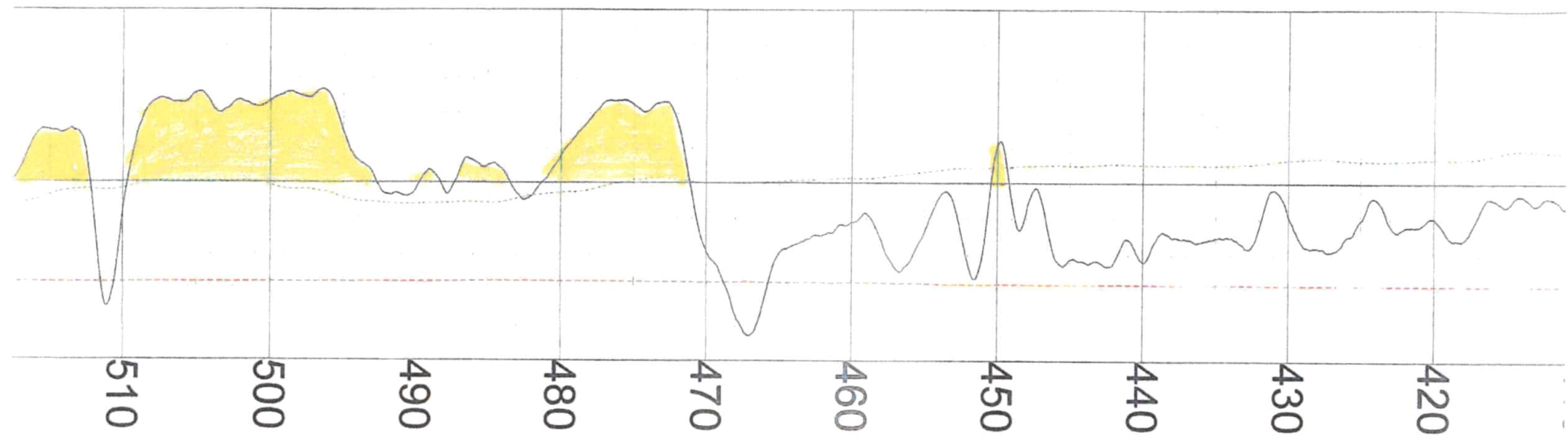
ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

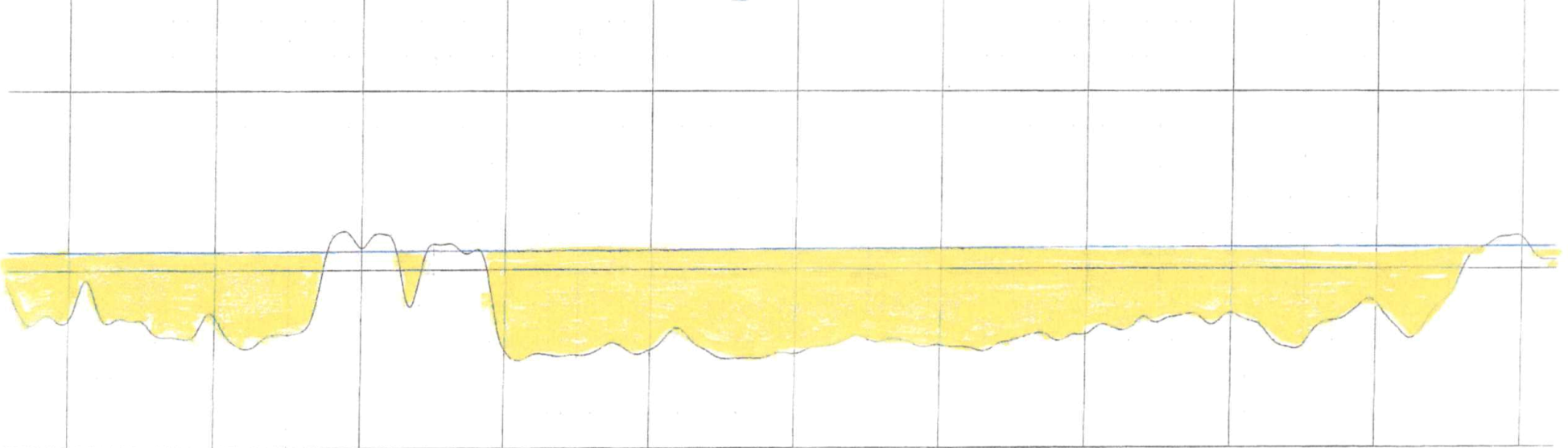
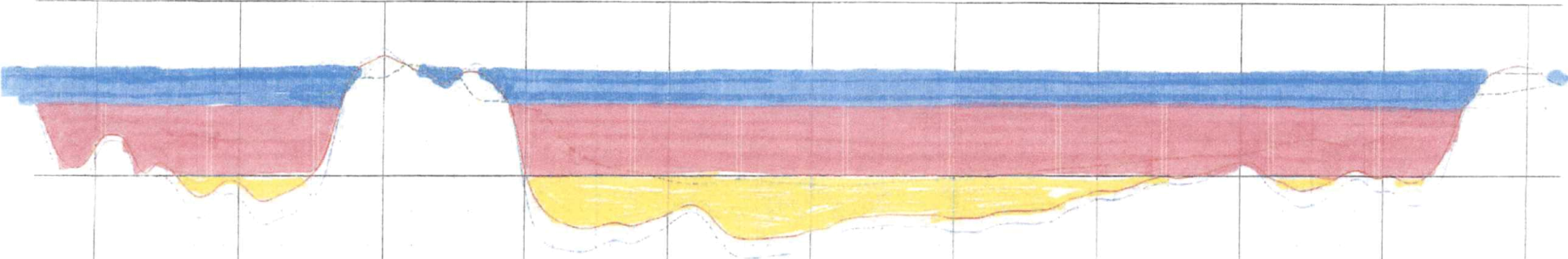
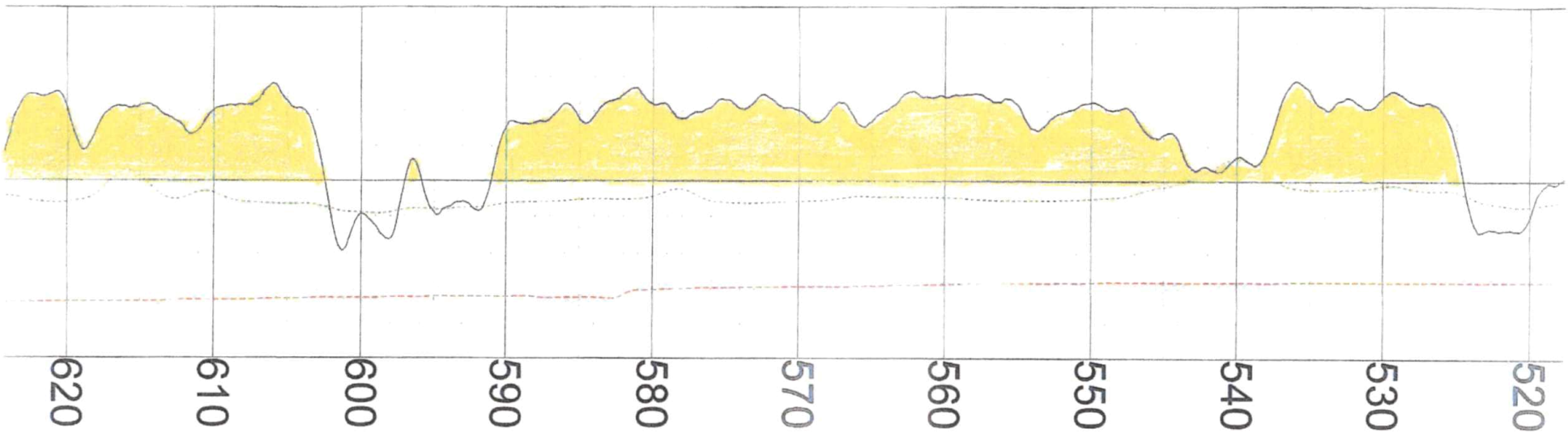


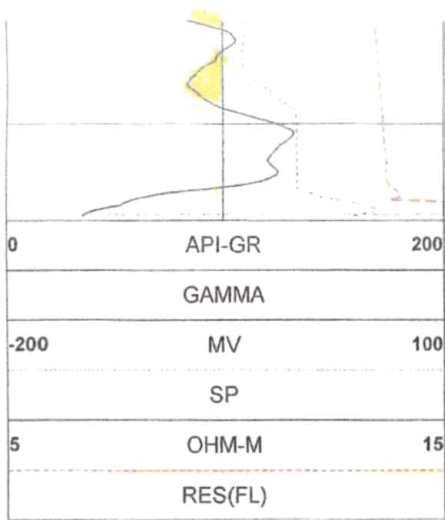






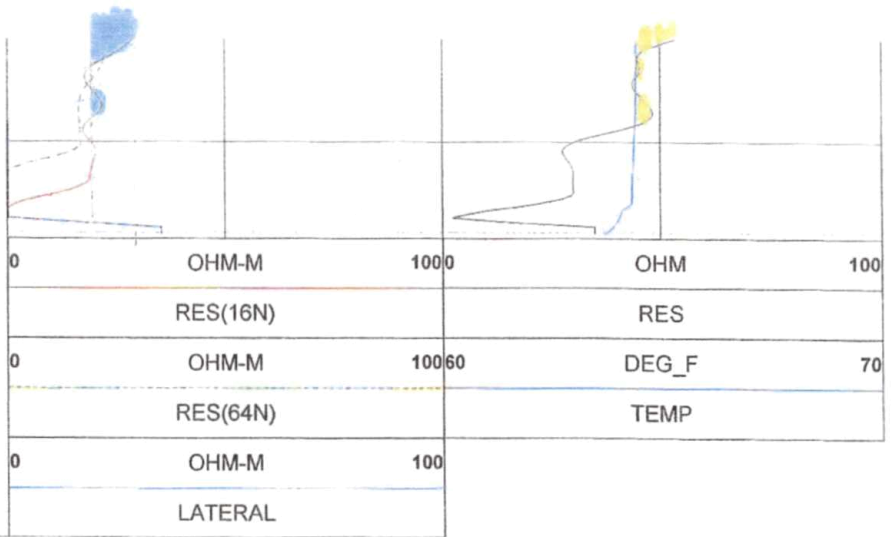






630

FEET



TOOL CALIBRATION STEVE HIGGS 10/25/23 15:41
TOOL 8144A TM VERSION 1
SERIAL NUMBER 365

	DATE	TIME	SENSOR	STANDARD		RESPONSE	
1	Feb08,18	07:51:35	GAMMA	1.000	[API-GR]	4.000	[CPS]
	Feb08,18	07:51:35	GAMMA	340.000	[API-GR]	290.000	[CPS]
2	Jul12,17	13:24:17	RES(FL)	1.330	[OHM-M]	7595.000	[CPS]
	Jul12,17	13:24:17	RES(FL)	42.700	[OHM-M]	64820.000	[CPS]
3	May18,23	15:57:16	SP	0.000	[MV]	327729.000	[CPS]
	May18,23	15:57:16	SP	350.000	[MV]	155368.000	[CPS]
4	May18,23	15:54:50	RES(16N)	0.000	[OHM-M]	3400.000	[CPS]
	May18,23	15:54:50	RES(16N)	1956.000	[OHM-M]	448017.000	[CPS]
5	May18,23	15:56:27	RES(64N)	0.000	[OHM-M]	3000.000	[CPS]
	May18,23	15:56:27	RES(64N)	1991.800	[OHM-M]	446675.000	[CPS]
6	Jul12,17	13:17:49	TEMP	33.400	[DEG_F]	66910.000	[CPS]
	Jul12,17	13:17:49	TEMP	102.200	[DEG_F]	270930.000	[CPS]
7	May18,23	15:55:41	RES	0.000	[OHM]	21264.000	[CPS]
	May18,23	15:55:41	RES	945.000	[OHM]	190131.000	[CPS]



DD

STATE OF KANSAS, GRANT COUNTY

This instrument was filed for record on February 7, 2024 12:00 PM
and duly recorded in DD Book 93, Page 579-579

Fees: \$21.00 Instrument# 202400101

Dana Y. McDaniel
Dana Y. McDaniel Register of Deeds



Reception BC
Numerical BC
Direct BC
Indirect BC
Stamped BC
Computer BC
Orig. Comp. BC

RECEIVED

FEB 28 2024

Garden City Field Office
Division of Water Resources

GENERAL WARRANTY DEED

William J. Dahle and Colleen M. Dahle, a married couple (collectively, "Grantor"), convey and warrant to Douglas G. Schrepel, a married individual, and Bradley D. Schrepel and Tara G. Schrepel, Co-Trustees of the Seaside Trust, dated November 9, 2006 (collectively, "Grantee"), all water rights appurtenant to the following-described real estate located in Grant County, Kansas

A portion of the Southeast Quarter (SE/4) of Section Twenty-three (23), Township Twenty-seven (27) South, Range Thirty-eight (38) West of the 6th P.M., described as follows:

BEGINNING at the southeast corner of said SE/4, thence West along the southern boundary line a distance of 1,150'; thence North along a line parallel to the eastern boundary line a distance of 40' for a point of beginning; thence West along a line parallel to the southern boundary line a distance of 565'; thence North along a line parallel to the eastern boundary line a distance of 731', thence East along a line parallel to the southern boundary line a distance of 565'; thence South along a line parallel to the eastern boundary line a distance of 731' to the point of beginning, said tract containing 10 acres, more or less.

for the sum of ten dollars (\$10.00) and other good and valuable consideration.

William J. Dahle
William J. Dahle

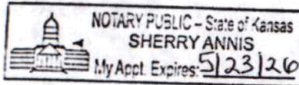
Colleen M. Dahle
Colleen M. Dahle

STATE OF KANSAS)
COUNTY OF Grant) ss:

This instrument was acknowledged before me on Feb 6, 2024, by William J. Dahle and Colleen M. Dahle, a married couple.

My appointment expires:

Sherry Annis
Notary Public Sherry Annis



Entered in transfer record in my office on
February 7, 2024

Sheila Brown
Sheila Brown Grant County Clerk

McColloch, Austin [KDA]

From: Meyer, Mike [KDA]
Sent: Wednesday, November 20, 2024 6:27 AM
To: McColloch, Austin [KDA]
Subject: Fw: Seaside/Schrepel WR 2309

Please take a look at this if you have time and process.

Mike

Sent from my Verizon, Samsung Galaxy smartphone
Get [Outlook for Android](#)

From: Brad Schrepel <brad.schrepel@gmail.com>
Sent: Tuesday, November 19, 2024 2:19:39 PM
To: Meyer, Mike [KDA] <Mike.Meyer@ks.gov>
Subject: Fwd: Seaside/Schrepel WR 2309

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.

Subject: Re: Seaside/Schrepel WR 2309



Hi Mike

Yes we would like to proceed with the terms you lined out (280 ac/ft - 359 GPM) for the replacement well and the remainder of the water right (1040 ac/ft 2041 GPM - certainly only a dream at this point) on the southeast well.

Let me know if I can provide any information.

Thank you

Brad Schrepel

Trustee

On Nov 15, 2024, at 12:03 PM, Brad Schrepel <brad.schrepel@gmail.com> wrote:

Thank you Mike

We'll talk it over and get back early next week.

Have a good weekend.

On Nov 15, 2024, at 5:57 AM, Meyer, Mike [KDA]
<Mike.Meyer@ks.gov> wrote:

Good morning

Glad to hear that you reached a decision even though it is not the best outcome for a potential new well and water rights. Recall attached is options of quantity (Q) and diversion rate R that is allowable based on drawdown allowance to other nearby wells. Let me know what would best work for you for this proposed well. I think we discussed then, that recall the current water right is authorized for a blanket rate and quantity for the authorized two existing wells of 1320 AF and 2400 GPM.

Recall our analysis was to allow only 660 AF and 1200 GPM potential for the new well, and then restrict the other well to the east at 660 AF and 1200 GPM

If you agree to an allowed rate and quantity noted above, what I would do is have the remaining authority stay with southeast well

So for example if you agree to have 280 AF and 359 GPM for the new well, we would authorize the southeast well at 1040 AF and 2041 GPM

That way we protect the overall water right, but protect any potential new well effects to protect your investment.

Let me know and then I can provide a form you document your request

Sincerely

Mike

From: Brad Schrepel <brad.schrepel@gmail.com>
Sent: Sunday, November 10, 2024 9:55 PM
To: Meyer, Mike [KDA] <Mike.Meyer@ks.gov>; Doug Schrepel <dschrepel@hotmail.com>; Steve Higgs <higgsauction@gmail.com>
Subject: Re: Seaside/Schrepel WR 2309

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Mike

After discussing our options and considering the findings you presented, we would like to proceed with the current application using TH #1 as is with no changes. We felt it was important we look at all our options concerning the two test holes and appreciate your help getting the data. We understand the pump rates and quantities at this location will need to be adjusted going forward.

Thanks for your help.

Brad Schrepel

Trustee

On Oct 21, 2024, at 3:54 PM, Meyer, Mike [KDA]
<Mike.Meyer@ks.gov> wrote:

So the current proposal would be to dismiss the application as proposed. Maintain current well and water right. Or look at the test hole within 300 feet of current well or adjust rate and quantity to minimal effects

Mike

Sent from my Verizon, Samsung Galaxy smartphone
Get [Outlook for Android](#)

From: Brad Schrepel <brad.schrepel@gmail.com>
Sent: Monday, October 21, 2024 5:15:44 PM
To: Meyer, Mike [KDA] <Mike.Meyer@ks.gov>; Doug Schrepel <dschrepel@hotmail.com>; Steve Higgs <higgsauction@gmail.com>
Subject: Re: Seaside/Schrepel WR 2309 TH #3

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Hi Mike

Thanks for your work on this. I understand the new report on test hole #3 as proposed at 660 AF and 1200 GPM as on test hole #1 failed final analysis. I don't know if there is any reason to go any further on that. If there is no change to the current application will it stand?

Thanks for your input and I'll talk it over with everyone.

Brad Schrepel
Trustee

On Oct 21, 2024, at 8:02 AM,
Meyer, Mike [KDA]
<Mike.Meyer@ks.gov> wrote:

Good morning all
After another reminder last week, I finally received a report. the calculation and effects improved slightly, but still exceeds our threshold of concerning unreasonable lowering of water levels to the nearby wells, which the law prohibits. recall we are proposing the split of using only 660 AF and 1200 GPM for the new well move. Just like last calculation. The calculation shows a 87 feet increase of pumping level decline and a long term reduction in practical saturated thickness by 96% into the future. Last calculation previously was 106 feet decline and 141% loss into the future...

If you want to discuss again on a conference zoom call etc. let me know.

It appears the application will need to be amended or dismissed. Based on your request or other additional information to consider

Regards,
Mike

From: Brad Schrepel
<brad.schrepel@gmail.com>
Sent: Wednesday, September 25, 2024
4:09 PM
To: Meyer, Mike [KDA]
<Mike.Meyer@ks.gov>; Douglas
Schrepel <dschrepel@hotmail.com>;
Steve Higgs <higgsauction@gmail.com>
Subject: Re: Seaside/Schrepel WR 2309
TH #3

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.

Hi Mike
Hope your fall is off to a good start.
I just wanted to check in with you
to see if you may have an update
on the well analysis.
Thanks for your help on this.
Brad Schrepel
Trustee

On Tue, Aug 6, 2024 at 1:22 PM
Meyer, Mike [KDA]
<Mike.Meyer@ks.gov> wrote:

Received. Thank you. We will try our
best to prompt our staff to provide a
report as soon as they can with the
new location

mike

From: Brad Schrepel
<brad.schrepel@gmail.com>
Sent: Tuesday, August 6, 2024 3:40 PM
To: Meyer, Mike [KDA]
<Mike.Meyer@ks.gov>; Douglas
Schrepel <dschrepel@hotmail.com>;
Steve Higgs
<higgsauction@gmail.com>
Subject: Seaside/Schrepel WR 2309 TH
#3

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.

Mike, good talking with you
earlier. Attached is the #3 Test
Hole drilling log located near the
northern border of SW22 in Grant
Co for your analysis.
Thanks for your help on all this.
Brad Schrepel
Trustee

<20241115084950113.pdf>

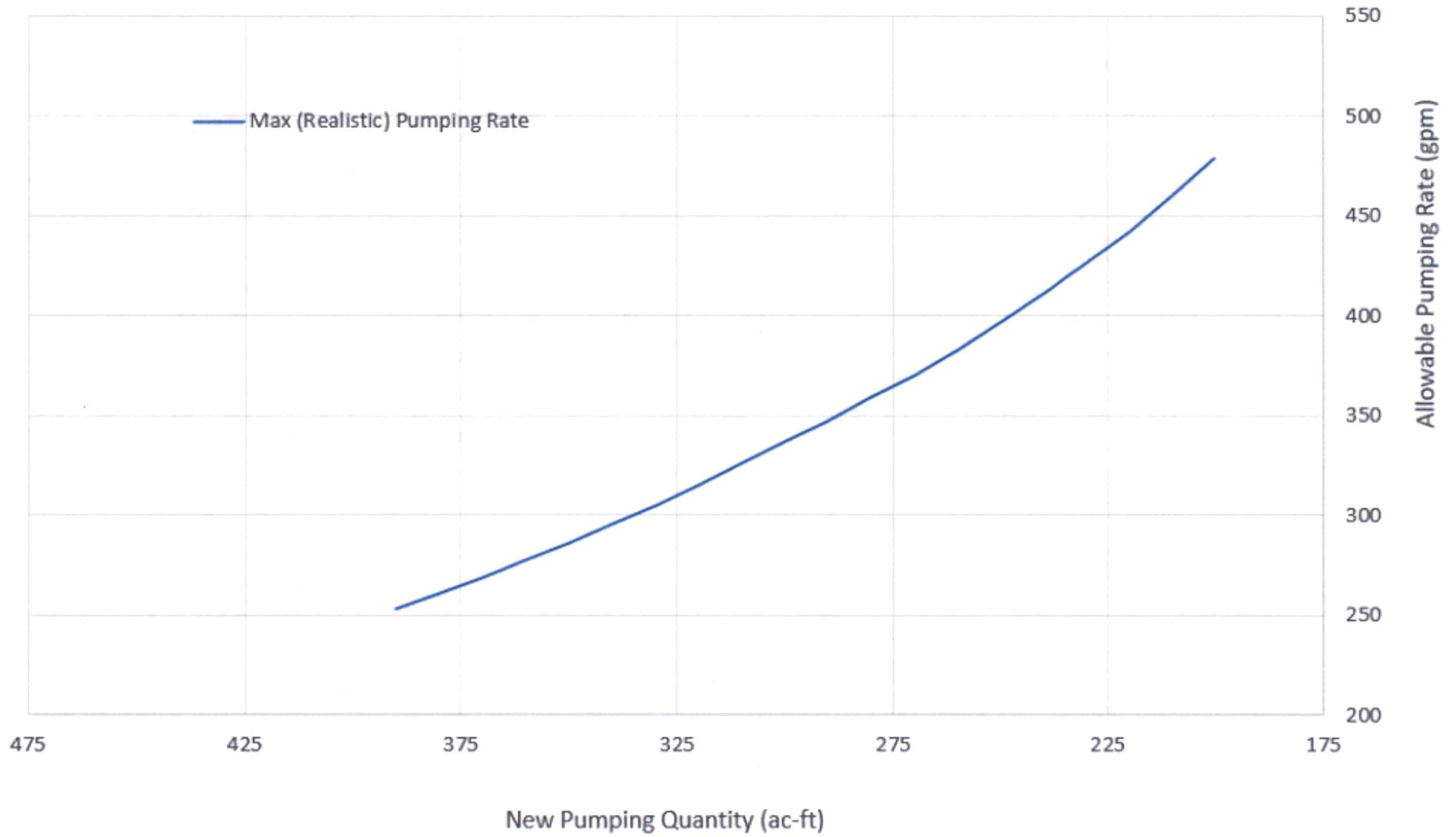
Q

R

390	356	260	253	253
380	363	267	261	261
370	370	274	269	269
360	377	282	277	277
350	385	290	286	286
340	393	299	295	295
330	401	307	305	305
320	409	317	315	315
310	418	327	326	326
300	427	337	337	337
290	436	347	349	347
* 280	447	359	361	359
270	457	370	374	370
260	468	383	389	383
250	478	397	403	397
240	491	411	420	411
230	503	426	437	426
220	516	442	456	442
210	530	460	476	460
200	544	479	498	479

@ 66 OAF 1200 AM

File No. 2309 - New Quantity VS. Allowable Rates



S. Thurlow
4/23/2024

This evaluation of proposed change in point of diversion, File No. 2309

A 50-year Theis analysis was used to evaluate the potential increase in dynamic drawdown as a result of the proposed change in point of diversion for one well authorized by File No. 2309 ID6. The change proposes reallocating the West well approximately 299 feet South and 484 feet East of the currently authorized location (Figure 1).

The GMD No. 3 groundwater model was used for a projected future (2068) saturated thickness (46.6 ft) and a resulting water level elevation (2836.1 ft). The average of model cells located within Township 27 South, Range 38 West, Sections 15, 16, 21-23, 26-28 was used.

The transmissivity was estimated based on lithological logs from the Kansas Geological Survey's Water Well Completion Records Database (WWC5). WWC5 records within 1.5 miles of the proposed point of diversion were used. Records that were within that area, but did not include lithological data, were not drilled to bed rock, or had poor lithological descriptions were excluded. The lithological log supplied with the change application was also considered. Hydraulic conductivity assumptions were based on the calibrated values used for the GMD No. 3 groundwater model (Figures 2 and 3). In all, six lithological logs were evaluated (Figure 4-5, Tables 1-6), with an average transmissivity of 774 square feet per day. An assumed specific storage (1×10^{-5} for the Ogallala Aquifer and 1×10^{-6} for the Dakota Aquifer) and the projected saturated thickness was used to determine the assumed storativity of 0.00057. The average Practical saturated thickness (75.0 ft) was used when calculating the net drawdown as a percentage of saturated thickness (Tables 7-9).

Drawdown was evaluated at two nearby existing wells authorized by File Nos. 1315 and 2168, and one domestic well in section 27S-38W-27 of KGS#430973 (Tables 7-9). The full authorized quantity of 1,320 acre-feet (AF) at a rate of 2,400 gallons per minute (gpm) was compared to the average historic use (104.8 AF, 2013-2023) at the most recent recorded pumping rate (450 GPM). The maximum net drawdown occurred at the point of diversion authorized by File No. 1315. The net drawdown at that distance was 254.7 feet, or 339.6% of the projected future Practical Saturated Thickness (Table 9).

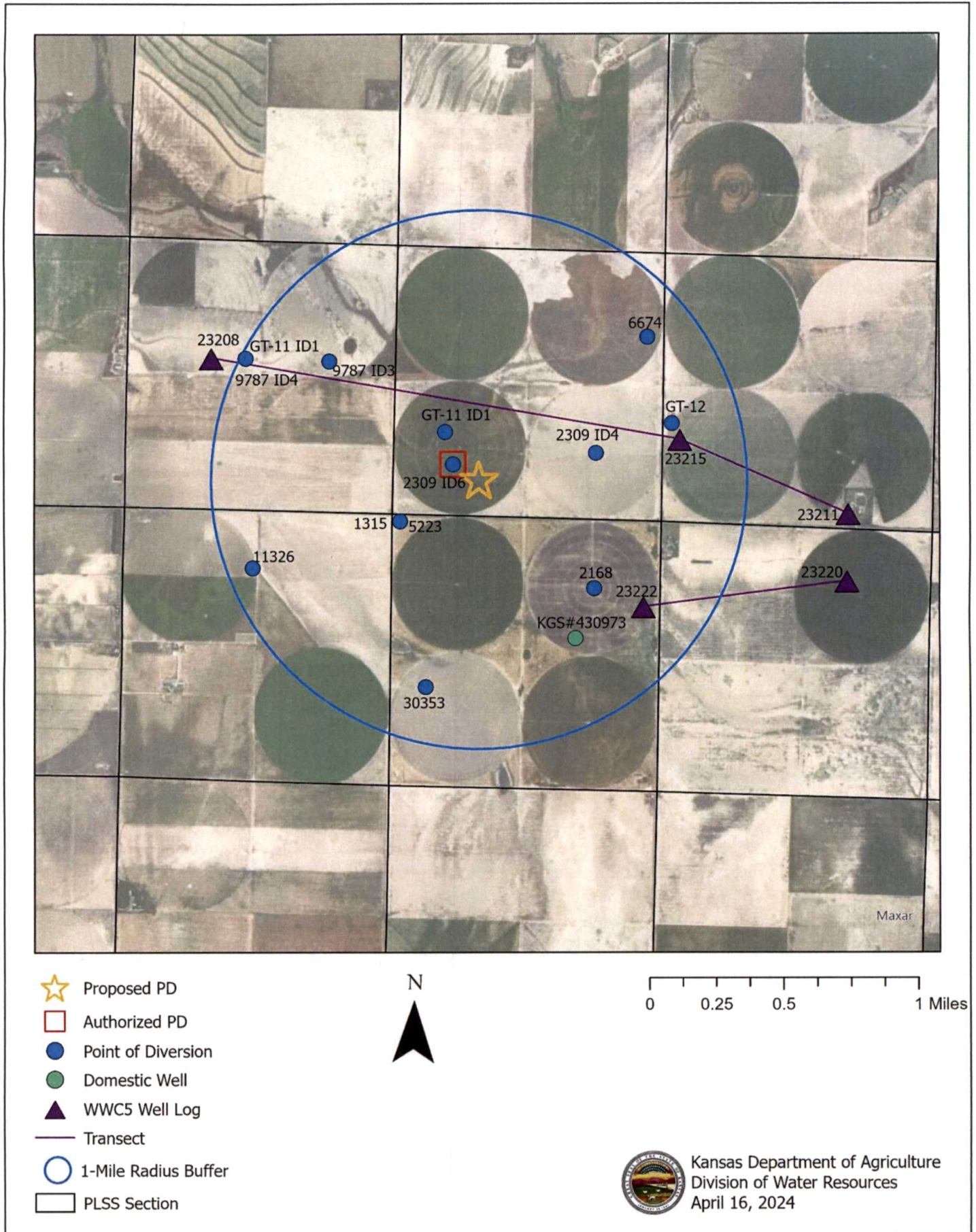


Figure 1: Location of current and proposed points of diversion, surrounding points of diversion, and WWC5 records

Table 1. PST+ synonymy codes and lithology descriptions.

Synonymy	Lithology	Synonymy	Lithology	Synonymy	Lithology
sh	Shale	sc	Sandy Clay or Silty Sand	fsnd	Fine Sand
c	Clay	fds	Fine Sandy Silt	fmgnd	Fine to Medium Sand
coal	Coal	fnds	Fine to Medium Sandy Silt	fmsnd	Fine to Medium Sand
br	Bedrock	fcrsds	Fine to Coarse Sandy Silt	snd	Sand
rb	Red Bed	ds	Sandy Silt	fcrrsnd	Fine to Coarse Sand
r	Rock	mds	Medium Sandy Silt	msnd	Medium Sand
sst	Siltstone	gc	Gravelly Clay	mcrssnd	Medium to Coarse Sand
ca	Limestone/caliche	mcrsds	Medium to Coarse Sandy Silt	cg	Clayey Gravel
o	Overburden	crsds	Coarse Sandy Silt	crssnd	Coarse Sand
ts	Topsoil	cesd-cg	Cemented Sand and/or Gravel	sg	Silty Gravel
fs	Fine Silt	fss	Fine Silty Sand	fsdg	Fine Sand and Gravel
fsc	Fine Sandy Clay	fmss	Fine to Medium Silty Sand	fmsdg	Fine to Medium Sand and Gravel
fmsc	Fine to Medium Sandy Clay	ss	Silty Sand	msdg	Medium Sand and Gravel
m	Marl or Ochre	mss	Medium Silty Sand	sdg	Sand and Gravel
msc	Medium Sandy Clay	fcrrss	Fine to Coarse Silty Sand	fcrrsdg	Fine to Coarse Sand and Gravel
s	Silt	mcrsss	Medium to Coarse Silty Sand	mcrssdg	Medium to Coarse Sand and Gravel
crssc	Coarse Sandy Clay	crsss	Coarse Silty Sand	crssdg	Coarse Sand and Gravel
fcrrsc	Fine to Coarse Sandy Clay	u	Unknown (most likely unintelligible)	fg	Fine Gravel
mcrssc	Medium to Coarse Sandy Clay			fmg	Fine to Medium Gravel
				fcrrsg	Fine to Coarse Gravel
				fcrrsg	Fine to Coarse Gravel
				g	Gravel
				mg	Medium Gravel
				mcrsg	Medium to Coarse Gravel
				crsg	Coarse Gravel

Figure 2: Synonymy codes and lithology descriptions. Source: KGS OFR 2010-18

Table 6. The calibrated values for PST+ synonymy lithologies.

Synonymy	K	Sy	Synonymy	K (ft/d)	Sy	Synonymy	K (ft/d)	Sy
sh	0.00004	0.05	sc	4.4	0.08	fsnd	15	0.24
c	0.00004	0.05	fds	4.4	0.08	fmgnd	15	0.24
coal	0.00004	0.05	fnds	4.4	0.08	fmsnd	15	0.24
br	0.00004	0.05	fcrsds	4.4	0.08	snd	63	0.24
rb	0.00004	0.05	ds	4.4	0.08	fcrrsnd	63	0.24
r	0.00004	0.05	mds	4.4	0.08	msnd	63	0.24
sst	0.00004	0.05	gc	4.4	0.08	mcrssnd	63	0.24
ca	0.0001	0.08	mcrsds	4.4	0.08	cg	63	0.24
o	0.0001	0.08	crsds	4.4	0.08	crssnd	63	0.29
ts	0.0001	0.08	cesd-cg	14.5	0.16	sg	63	0.29
fs	0.0001	0.08	fss	14.5	0.16	fsdg	299	0.29
fsc	0.0001	0.08	fmss	14.5	0.16	fmsdg	299	0.29
fmsc	0.0001	0.08	ss	14.5	0.16	msdg	299	0.29
m	0.0001	0.08	mss	14.5	0.16	sdg	299	0.29
msc	0.0001	0.08	fcrrss	14.5	0.16	fcrrsdg	299	0.29
s	0.0001	0.08	mcrsss	14.5	0.16	mcrssdg	299	0.29
crssc	0.0001	0.08	crsss	14.5	0.16	crssdg	299	0.29
fcrrsc	0.0001	0.08	u	14.5	0.16	fg	299	0.29
mcrssc	0.0001	0.08				fmg	299	0.29
						fcrrsg	299	0.29
						fcrrsg	299	0.29
						g	299	0.29
						mg	299	0.29
						mcrsg	299	0.29
						crsg	299	0.29

Figure 3: Calibrated hydraulic conductivity values. Source: KGS OFR 2010-18

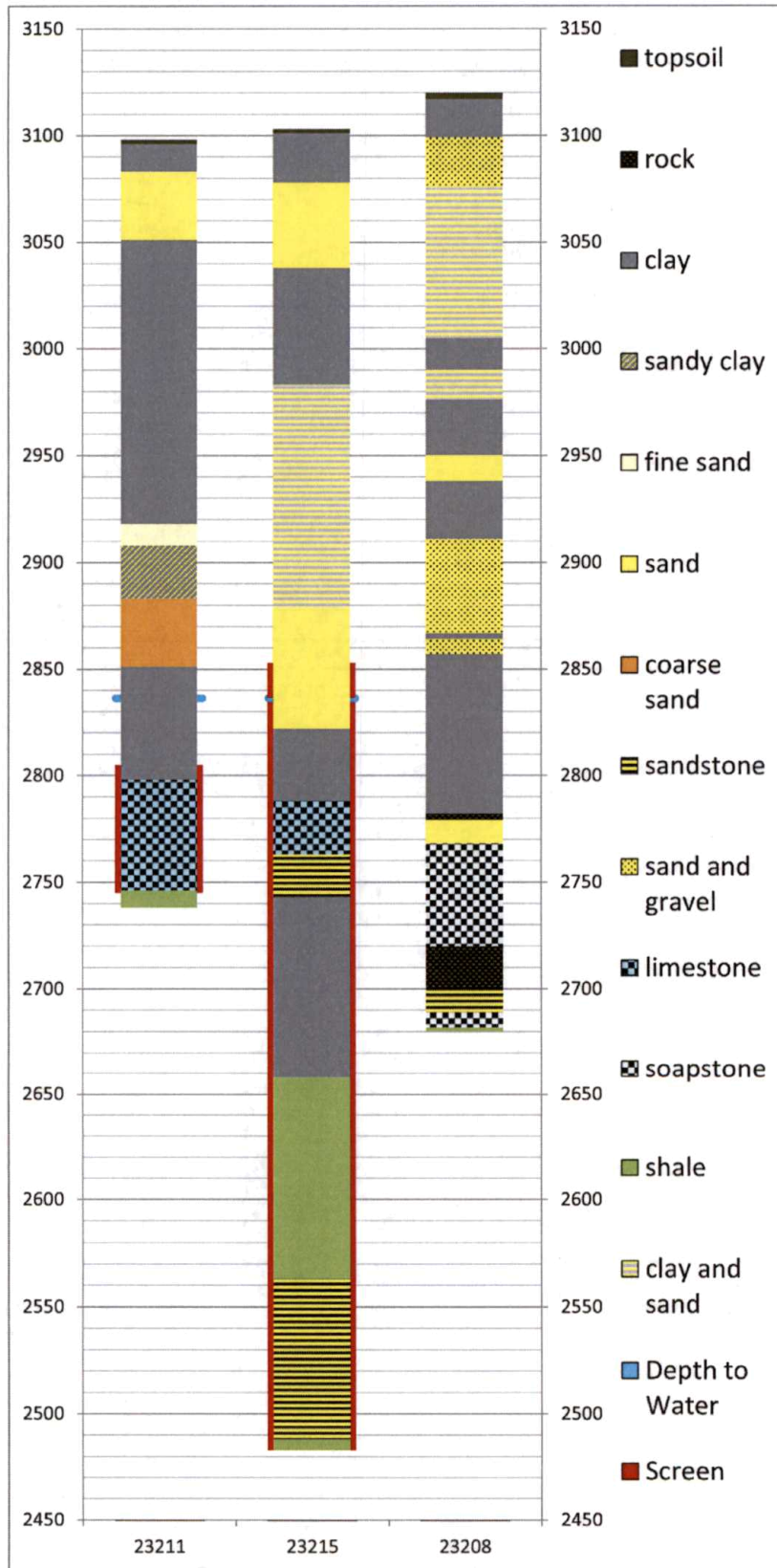


Figure 4: lithology log of KGS Wells on North transect

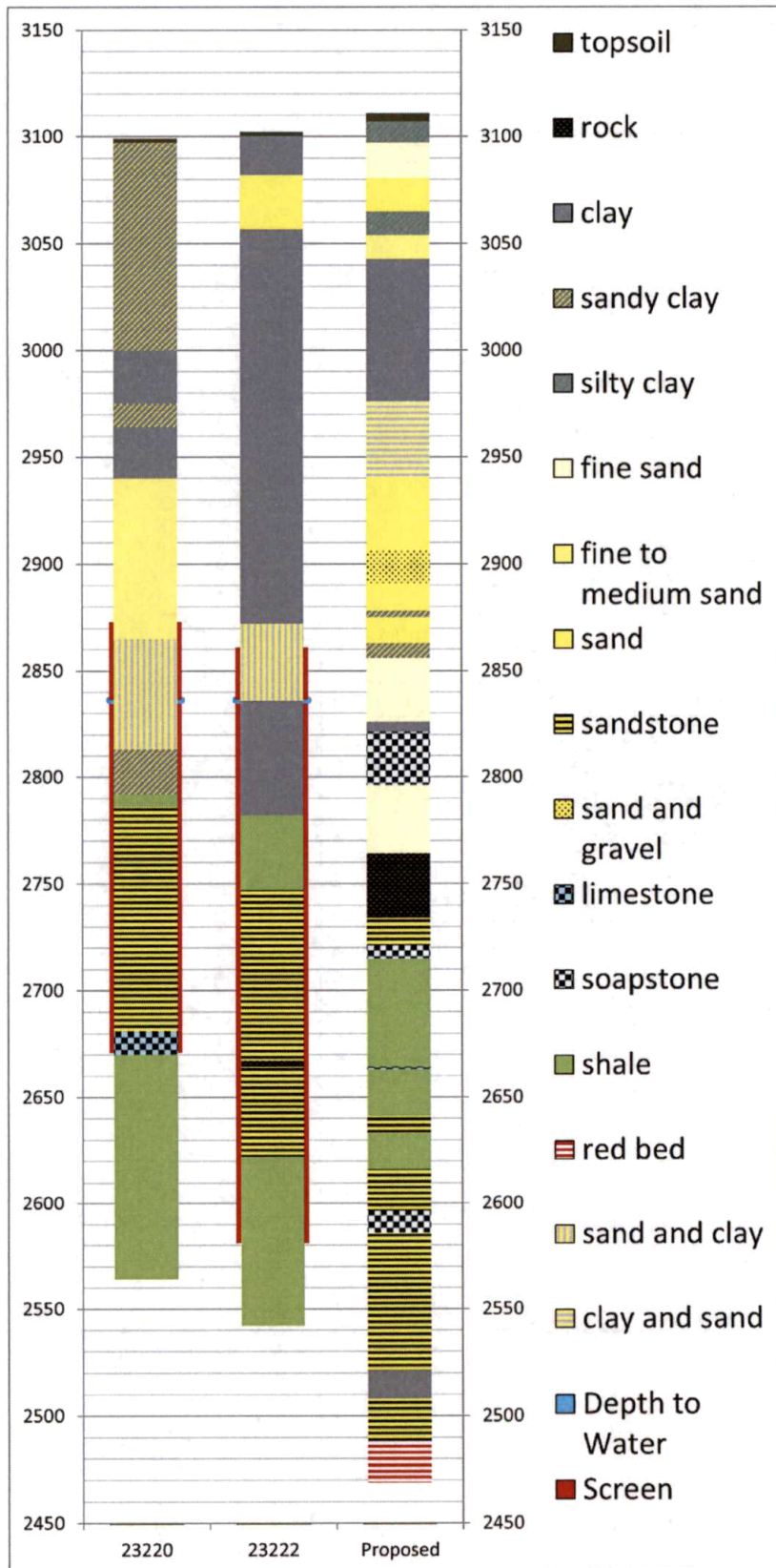


Figure 5: lithology log of Proposed location and KGS Wells on the South transect

Table 1: Lithology of the Proposed Well location

Driller's Description	Synonymy Codes	Percentages	Saturated Thickness (Feet)	Transmissivity (feet ² /day)
Top soil				
Brown silty clay				
Fine sand w/ brown silty clay				
Fine-med-coarse sand				
Light brown silty clay				
Fine-med sand				
Brown sticky clay				
Blue clay w/ fine sand layers				
Fine-med-coarse sand				
Fine-med-coarse sand w/ fine gravel				
Fine-med-coarse sand				
Sandy clay				
Fine-med-coarse sand				
Sandy clay				
Fine sand w/ sandy clay	Fsnd, sc	70, 30	10	118.2
White clay	C	100	5	0.0
Yellow soapstone w/ brown rock ledges	Ca, r	70, 30	25	0.0
Fine sand w/ yellow sandstone	Fsnd, ds	70, 30	32	378.2
Brown rock w/ sandstone & fine sand	R, ds, fsnd	60, 20, 20	30	116.4
White sandstone w/ white soapstone	Ds, ca	70, 30	13	40.0
Gray & greenish brown soapstone	Ca	100	6	0.0
Shale w/ broken rock ledges	Sh	100	20	0.0
Shale	Sh	100	31	0.0
Hard spot (lime rock?)	Ca	100	1	0.0
Shale	Sh	100	22	0.0
Sandstone w/ fine sand	Ds, fsnd	70, 30	8	60.6
Shale	Sh	100	17	0.0
Sandstone w/ fine sand	Ds, fsnd	70, 30	20	151.6
Soapstone	Ca	100	10	0.0
Sandstone w/ fine sand	Ds, fsnd	70, 30	54	409.3
White sandstone	Ds	100	11	48.4
Green clay	C	100	4	0.0
Red clay	C	100	9	0.0
Sandstone w/ iron pyrite & fine sand	Ds, r, fsnd	60, 20, 20	20	112.8
Red bed	Rb	100	19	0.0
Total Transmissivity:				1435.7

Table 2: Lithology, KGS Well ID 23222

Driller's Description	Synonymy Codes	Percentages	Saturated Thickness (Feet)	Transmissivity (feet ² /day)
Surface	Above water surface			
Clay				
River sand				
Clay				
Blue clay				
Medium sand with clay strips				
Clay with brown shale	C	100	54	0.0
Shale and sandstone and clay	Sh, ds	70, 30	35	46.2
Shale and sandstone	Sh, ds	60, 40	60	105.6
Shale and sandstone	Sh, ds	60, 40	20	35.2
Rock	R	100	3	0.0
Blue shale and sandstone	Sh, ds	60, 40	42	73.9
Blue shale	sh	100	80	0.0
Total Transmissivity:				260.9

Table 3: Lithology, KGS Well ID 23220

Driller's Description	Synonymy Codes	Percentages	Saturated Thickness (Feet)	Transmissivity (feet ² /day)
Surface	Above water surface			
Sandy clay				
Fine to coarse sand, hitting sand, loose				
Brown sandy clay with embedded sand strips				
Brown and gray clay				
Gray sandy clay				
Brown and gray clay, sand strips (took water) lime shells				
Fine to medium sand embedded, with brown sandy clay				
Fine to coarse sand, brown clay, lime shells, and sandy clay	Snd, c, ca, sc	40, 25, 20, 15	23	594.8
Brown sandy clay, with embedded sand strips	Sc, ds	80, 20	21	338.5
Brown broken shale, Dakota sandstone (lost circulation)	Sh, ds	60, 40	6	10.6
Brown broken shale, Dakota sandstone medium to tight	Sh, ds	60, 40	37	65.1
Brown sandstone (lost circulation) 80%	Ds	100	11	48.4
Brown sandstone and shale 30%	Ds, sh	60, 40	19	50.2
Red and brown sandstone 70%	Ds	100	10	44.0
Brown sandstone, brown broken shale, lime shells	Ds, sh, ca	50, 30, 20	28	61.6
Yellow chalk, brown broken shale, white clay and lime shells	Ca, sh	55, 45	11	0.0
Blue shale, yellow chalk, lime shells tight and hard	Sh, ca	50, 50	106	0.0
Total Transmissivity:				1213.2

Table 4: Lithology, KGS Well ID 23211

Driller's Description	Synonymy Codes	Percentages	Saturated Thickness (Feet)	Transmissivity (feet ² /day)
Surface	Above water surface			
Clay				
River sand				
Brown clay				
Fine sand				
Sandy clay				
Coarse sand with cemented and loose strips				
Clay with fine sand strips	C, fsnd	80, 20	38	114.0
Yellow chalk with sandstone	Ca, ds	70, 30	52	68.6
Brown tight shale	sh	100	8	0.0
Total Transmissivity:				182.6

Table 5: Lithology, KGS Well ID 23215

Driller's Description	Synonymy Codes	Percentages	Saturated Thickness (Feet)	Transmissivity (feet ² /day)
Surface	Above water surface			
Clay				
Medium sand				
Clay				
Clay with sand strips				
Fine to coarse sand	Snd	100	14	882.0
Clay and sandy clay	C, sc	60, 40	34	59.8
Yellow chalk and sandrock	Ca	60, 40	25	44.0
Clay and sandstone	C, ds	60, 40	20	35.2
Clay with sandstone strips	C, ds	80, 20	85	74.8
Shale and rock	Sh	100	95	0.0
Blue shale and sandstone	Sh, ds	60, 40	75	132.0
Shale and rock	sh	100	5	0.0
Total Transmissivity:				1227.9

Table 6: Lithology, KGS Well ID 23208

Driller's Description	Synonymy Codes	Percentages	Saturated Thickness (Feet)	Transmissivity (feet ² /day)
topsoil				
Brown clay				
Sand fine med., few coarse, very few, small gravel. Very few clay st. Loose. Use water				
Brown clay, very few sand st., a little sticky in places				
Gray clay, brown clay st.				
Brown clay				
Brown clay, fine to medium sand mixed. More clay than sand				
Gray clay				
Dark gray or light color blue				
Light color gray and sand st. fine to med.				
Brown clay, few gray st.				
Brown clay ledges, few broken rock				
Tan and white clay, limerock ledges				
Sand fine med. Coarse, small gravel, very few med. Used water., few hard ledges				
Sand fine med. Coarse, small to medium grave, few clay st. Ledges				
Brown and yellow clay				
Sand fine med. Coarse, small gravel. Few, med., very few clay st				
Brown clay, sticky, very few sand st.	C, snd	80, 20	21	63.0
Brown and tan clay and broken rock. Limerock ledges, few sand st.	C, ca, snd	50, 40, 10	23	34.5
Brown clay and limerock, very hard	C, ca	60, 40	10	0.0
Yellow, red, brown rock st.	R	100	3	0.0
Yellow, drilled like sand st.	Snd	100	11	165.0
Soapstone and sandstone st. Used lots of water. Some yellow st.	Ca, ds	60, 40	18	31.7
Yellow, gray, soapstone and brown rock	Ca, r	60, 40	30	0.0
Brown rock, yellow st. Drilled a little tight. Used a lot of water. Mud heavy	R	100	20	0.0
White sandstone, soapstone st.	Ds, ca	60, 40	11	29.0
Yellow and gray soapstone	Ca	100	7	0.0
Shale	sh	100	2	0.0
Total Transmissivity:				323.2

Table 7: This drawdown evaluated at KGS#430973; T = 774 ft²/day, S = 0.00057

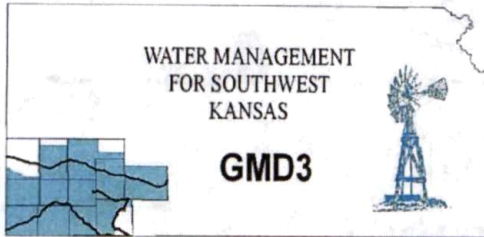
Scenario	Distance (FT)	Pump Rate (GPM)	Volume (AF)	Drawdown (FT)	Drawdown (%ST)
Proposed	3637.1	2400.0	1320.0	229.2	305.6%
Baseline	4172.1	450.0	104.8	25.9	34.5%
			Net:	203.3	271.1%

Table 8: This drawdown evaluated at File No. 2168; T = 774 ft²/day, S = 0.00057

Scenario	Distance (FT)	Pump Rate (GPM)	Volume (AF)	Drawdown (FT)	Drawdown (%ST)
Proposed	3104.8	2400.0	1320.0	244.0	325.4%
Baseline	3687.2	450.0	104.8	28.0	37.3%
			Net:	216.0	288.1%

Table 9: This drawdown evaluated at File No. 1315; T = 774 ft²/day, S = 0.00057

Scenario	Distance (FT)	Pump Rate (GPM)	Volume (AF)	Drawdown (FT)	Drawdown (%ST)
Proposed	1752.3	2400.0	1320.0	298.0	397.3%
Baseline	1530.3	450.0	104.8	43.3	57.8%
			Net:	254.7	339.6%



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

March 11, 2024

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

RECEIVED

MAR 11 2024

**Garden City Field Office
Division of Water Resources**

RE: Application for Change in Point of Diversion
Water Right, File No. 2309

Dear Austin:

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

Well evaluations were conducted to estimate possible effects of the proposal on the supply of other wells with water rights prior to the proposal per K.S.A. 82a-708b, and the 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 (1.5 ft with saturated thickness is between 50-75ft), 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 further evaluations were needed. Critical wells were determined in the area. This could be due to the analysis being performed at full authority. Preview of logs does not support ability for full pumping authority. We did not receive any comments from neighboring well owners. Therefore, GMD3 sees this move as meeting current area rules and would recommend approval if State agrees with our reasoning. If aquifer conditions change or there is a change to the water right in the future, we would be happy to evaluate the effects at that time.

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

Sincerely,


Jason L. Norquest
Assistant Manager

GMD3 Change Review

File No(s): 2309.

DWR office: GC.

App filed to change: PD.

Is Landowner(s) correct in WRIS: Seaside Trust Bradley Schrepel Trustee.

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	1036	4088	Sect 22-27-38
Proposed PD	737	3604	
Difference	299 s	484 e	
$a^2 + b^2 = c^2$	89401	234256	568.9086 foot move SE

GPS for proposed PD: Lat: 37.68034 Long: -101.466514 .

Is proposed PD stacking on existing WRs? No .

Is Proposed PU overlapping existing WRs? No Change .

Neighboring certified well(s) notified: ___.

Name David T Walker (1315, 2168, 5223, 30353).

Address PO Box 724.

Zip Johnson, KS 67855.

Email: dtwalker@pld.com Phone: ___.

Name Charles Levi Spencer (6674).

Address 5918 W Road 11.

Zip Ulysses, KS 67880.

Email: levi-spencer@hotmail.com Phone: ___.

Name Garry Spencer (9787, GT11).

Address 9290 W Road 8.

Zip Ulysses, KS 67880.

Email: g-m-spencer@hotmail.com Phone: ___.

Name Waldie Farms Inc %First National Bank (11326).

Address PO Box 913.

Zip Hutchinson, KS 67504.

Email: donelle.conner@fnbhutch.bank Phone: ___.

Domestic well(s) notified: ___.

Name Erik Russett (NW of 26).

Address 6932 N Road E.

GMD3 Change Review

Zip Ulysses, KS 67880.

Base Acres: __.

Perfected Acres: __.

Irr. Return-Flow __%

Grant County

2 PDs but share the authority 1320AF @ 2400gpm, LIMITED to 1920AF/year on 960acres

Reported recent use (2013-2022): 108.59AF/year with one of those years reporting zero.

Is a waiver needed: Move is less than half mile. Minimum spacing is not met on 3 WRs (1315, 5223, GT11), however current spacing is improved. Highly likely to see effects in the area if proposed well is pumped at full proposed authority. It is unlikely that the well could pump that, as seen with other wells in the area.

Recommendation: After review of available information, it appears current area rules are met. If pumped at full proposed authority, could be effects for the area. That seems unlikely based on the area pumping reported. Staff would recommend approval if State agrees with proposal and likely hood of effects.

Proposed

Report Date: Tuesday, February 27 2024

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

737 Feet N and 3604 Feet W of the Southeast Corner of Section 22 Twp 27S Rng 38W

Located at: 101.466515 West Longitude and 37.680340 North Latitude

Both SURFACE WATER and GROUNDWATER

File Number	Use	ST	SR	Dist (ft)	Q4	Q3	Q2	Q1	FeetN	FeetW	Sec	Twp	Rng	ID	Batt	Auth_Quan	Add_Quan
A__ AF	1315 00	IRR	NK	G	1714	--	NW	NW	NW	5100	5100	27	27	38W	1	400.00	400.00
A__ AF	2168 00	IRR	NK	G	3173	--	NC	NE	3905	1315	27	27	38W	2	640.00	640.00	
A__ AF	2309 00	IRR	NK	G*	572	--	NE	SW	SW	1036	4088	22	27	38W	6	1320.00	.00
Same					2364	--	NC	SE	1320	1320	22	27	38W	4			
A__ AF	5223 00	IRR	NK	G	1714	--	NW	NW	NW	5100	5100	27	27	38W	1	190.00	190.00
A__ AF	6674 00	IRR	NK	G	4339	--	NE	SE	NE	-----	-----	22	27	38W	5	1220.00	1220.00
A__ AF	9787 00	IRR	NK	G	3755	--	S2	S2	NE	-----	-----	21	27	38W	3	458.00	89.12
Same					5175	--	SE	SE	NW	-----	-----	21	27	38W	4	302.00	58.77
A__ AF	11326 00	IRR	NK	G	4644	--	SE	NE	NW	4390	2705	28	27	38W	2	397.00	397.00
A__ AF	30353 00	IRR	NK	G	4257	--	SE	NW	SW	1870	4550	27	27	38W	4	272.00	50.00
VGT AF	11 00	IRR	AA	S	1148	--	SE	NW	SW	-----	-----	22	27	38W	1	2860.00	2860.00
Same					5175	--	SE	SE	NW	-----	-----	21	27	38W	1		
VGT AF	12 00	IRR	AA	G	3959	--	SW	NW	SW	1950	5150	23	27	38W	2	600.00	600.00

Total Net Quantities Authorized:	Direct	Storage
Total Requested Amount (AF) =	.00	.00
Total Permitted Amount (AF) =	.00	.00
Total Inspected Amount (AF) =	.00	.00
Total Pro_Cert Amount (AF) =	.00	.00
Total Certified Amount (AF) =	3044.89	.00
Total Vested Amount (AF) =	3460.00	.00
TOTAL AMOUNT (AF) =	6504.89	.00

Possible spacing not met, BUT improved current spacing

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:

737 Feet North and 3604 Feet West of the Southeast Corner of Section 22 Twp 27S Rng 38W

Located at: 101.466515 West Longitude and 37.680340 North Latitude

Both SURFACE WATER and GROUNDWATER

WATER USE CORRESPONDENTS:

File Number Use ST SR

> DAVID T WALKER

> PO BOX 724

> JOHNSON KS 67855

1315

> DAVID T WALKER

> PO BOX 724

> JOHNSON KS 67855

2168

>-----

> SEASIDE TRUST
> BRADLEY SCHREPEL TRUSTEE
> PO BOX 9082
> KETCHIKAN AK 99901

2309 Application

>-----

> DAVID T WALKER

>

> PO BOX 724
> JOHNSON KS 67855

5223

>-----

> CHARLES LEVI SPENCER

>

> 5918 W ROAD 11
> ULYSSES KS 67880

6674

>-----

> GARRY SPENCER

>

> 9290 W ROAD 8
> ULYSSES KS 67880

9787

>-----

> WALDIE FARMS INC
> FIRST NATIONAL BANK
> PO BOX 913
> HUTCHINSON KS 67504

11326

>-----

> DAVID T WALKER

>

> PO BOX 724
> JOHNSON KS 67855

30353

>-----

> GARRY SPENCER

>

> 9290 W ROAD 8
> ULYSSES KS 67880

GT11

>-----

> SEASIDE TRUST
> BRADLEY SCHREPEL TRUSTEE
> PO BOX 9082
> KETCHIKAN AK 99901

GT12

Applicant

>-----

Water Rights and Points of Diversion Within 1 mile of point defined as:
 1036 Feet N and 4088 Feet W of the Southeast Corner of Section 22 Twp 27S Rng 38W
 Located at: 101.468187 West Longitude and 37.681161 North Latitude
 Both SURFACE WATER and GROUNDWATER

File Number	Use	ST	SR	Dist (ft)	Q4	Q3	Q2	Q1	FeetN	FeetW	Sec	Twp	Rng	ID	Batt	Auth_Quan	Add_Quan
A__ AF	1315 00	IRR	NK	G	1555	--	NW	NW	NW	5100	5100	27	27	38W	1	400.00	400.00
A__ AF	2168 00	IRR	NK	G	3734	--	--	NC	NE	3905	1315	27	27	38W	2	640.00	640.00
A__ AF	2309 00	IRR	NK	G*	4	--	NE	SW	SW	1036	4088	22	27	38W	6	1320.00	.00
Same					2789	--	--	NC	SE	1320	1320	22	27	38W	4		
A__ AF	5223 00	IRR	NK	G	1555	--	NW	NW	NW	5100	5100	27	27	38W	1	190.00	190.00
A__ AF	6674 00	IRR	NK	G	4536	--	NE	SE	NE	-----	-----	22	27	38W	5	1220.00	1220.00
A__ AF	9787 00	IRR	NK	G	3188	--	S2	S2	NE	-----	-----	21	27	38W	3	458.00	89.12
Same					4610	--	SE	SE	NW	-----	-----	21	27	38W	4	302.00	58.77
A__ AF	11326 00	IRR	NK	G	4323	--	SE	NE	NW	4390	2705	28	27	38W	2	397.00	397.00
A__ AF	30353 00	IRR	NK	G	4480	--	SE	NW	SW	1870	4550	27	27	38W	4	272.00	50.00
VGT AF	11 00	IRR	AA	S	652	--	SE	NW	SW	-----	-----	22	27	38W	1	2860.00	2860.00
Same					4610	--	SE	SE	NW	-----	-----	21	27	38W	1		
VGT AF	12 00	IRR	AA	G	4359	--	SW	NW	SW	1950	5150	23	27	38W	2	600.00	600.00

Total Net Quantities Authorized:	Direct	Storage
Total Requested Amount (AF) =	.00	.00
Total Permitted Amount (AF) =	.00	.00
Total Inspected Amount (AF) =	.00	.00
Total Pro_Cert Amount (AF) =	.00	.00
Total Certified Amount (AF) =	3044.89	.00
Total Vested Amount (AF) =	3460.00	.00
TOTAL AMOUNT (AF) =	6504.89	.00

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 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:
 1036 Feet North and 4088 Feet West of the Southeast Corner of Section 22 Twp 27S Rng 38W
 Located at: 101.468187 West Longitude and 37.681161 North Latitude
 Both SURFACE WATER and GROUNDWATER
 WATER USE CORRESPONDENTS:

- File Number Use ST SR
- > DAVID T WALKER
 - >
 - > PO BOX 724 1315
 - > JOHNSON KS 67855
 -
 - > DAVID T WALKER
 - >
 - > PO BOX 724 2168
 - > JOHNSON KS 67855

9787: Drawdown from current location = 1.85 ft
Drawdown from proposed location = 16.03 ft
Net drawdown = **14.2 ft**

GT 11: Drawdown from current location = 4.78 ft
Drawdown from proposed location = 29.74 ft
Net drawdown = **25.0 ft**

6674: Drawdown from current location = 1.48 ft
Drawdown from proposed location = 14.69 ft
Net drawdown = **13.2 ft**

GT 12: Drawdown from current location = 1.52 ft
Drawdown from proposed location = 15.54 ft
Net drawdown = **14.0 ft**

11326: Drawdown from current location = 1.50 ft
Drawdown from proposed location = 13.89 ft
Net drawdown = **12.4 ft**

1315 & 5223: Drawdown from current location = 2.93 ft
Drawdown from proposed location = 24.27 ft
Net drawdown = **21.3 ft**

30353: Drawdown from current location = 1.51 ft
Drawdown from proposed location = 15.00 ft
Net drawdown = **13.5 ft**

2168: Drawdown from current location = 1.68 ft
Drawdown from proposed location = 17.83 ft
Net drawdown = **16.2 ft**

Domestic 27-27-38: Drawdown from current location = 1.56 ft
Drawdown from proposed location = 16.33 ft
Net drawdown = **14.8 ft**

Net drawdown exceeds the drawdown allowance for all wells within a mile of the proposed move. Critical well analysis was performed for those wells.

Critical Well Evaluation:

2309 ID4:

Water Column = 66 ft

DP = 18.8 ft (Net drawdown from the proposal indicated above)

DE = 10.3 ft (Water level decline from 2024 through 2049 based upon GMD3 model)

DD = 66.1 ft ($S = 0.1468$, $T = 2514 \text{ ft}^2/\text{day}$, $Q = 495 \text{ gpm}$, $t_p = 120 \text{ days}$, efficiency = 70%)

DT = 95.2 ft

Total drawdown exceeds the remaining water column, so this well **is critical**.

GT 11 & 9787:

Water Column = 61 ft

DP = 11.8 ft (Net drawdown from the proposal indicated above)

DE = 13.2 ft (Water level decline from 2024 through 2049 based upon GMD3 model)

DD = 0 ft (No water use in last 10 years)

DT = 25.0 ft

Economic Drawdown Constraint (EDC) = $0.4 * 61 \text{ ft} = 24.4 \text{ ft}$

Physical Drawdown Constraint (PDC) = $61 \text{ ft} - 60 \text{ ft} = 1.0 \text{ ft}$

Total drawdown of 25.0 ft exceeds the EDC and the PDC, so this well **is critical**.

9787:

Water Column = 61 ft

DP = 14.2 ft (Net drawdown from the proposal indicated above)

DE = 13.2 ft (Water level decline from 2024 through 2049 based upon GMD3 model)

DD = 0 ft (No water use in last 10 years)

DT = 27.4 ft

Economic Drawdown Constraint (EDC) = $0.4 * 61 \text{ ft} = 24.4 \text{ ft}$

Physical Drawdown Constraint (PDC) = $61 \text{ ft} - 60 \text{ ft} = 1.0 \text{ ft}$

Total drawdown of 27.4 ft exceeds the EDC and the PDC, so this well **is critical**.

GT 11:

Water Column = 66 ft

DP = 14.0 ft (Net drawdown from the proposal indicated above)

DE = 10.3 ft (Water level decline from 2024 through 2049 based upon GMD3 model)

DD = 0 ft (No water use in the last 10 years)

DT = 24.3 ft

Economic Drawdown Constraint (EDC) = $0.4 * 66 \text{ ft} = 24.4 \text{ ft}$

Physical Drawdown Constraint (PDC) = $66 \text{ ft} - 60 \text{ ft} = 6.0 \text{ ft}$

Total drawdown of 24.3 ft is greater than the PDC, so this well is **critical**.

6674:

Water Column = 66 ft

DP = 13.2 ft (Net drawdown from the proposal indicated above)

DE = 10.3 ft (Water level decline from 2024 through 2049 based upon GMD3 model)

DD = 0 ft (No water use in the last 10 years)

DT = 23.5 ft

Economic Drawdown Constraint (EDC) = $0.4 * 66 \text{ ft} = 26.4 \text{ ft}$

Physical Drawdown Constraint (PDC) = $66 \text{ ft} - 60 \text{ ft} = 6.0 \text{ ft}$

Total drawdown of 23.5 ft is greater than the PDC, so this well is **critical**.

GT 12:

Water Column = 69 ft

DP = 14.0 ft (Net drawdown from the proposal indicated above)

DE = 7.8 ft (Water level decline from 2024 through 2049 based upon GMD3 model)

DD = 56.6 ft ($S = 0.1468$, $T = 2514 \text{ ft}^2/\text{day}$, $Q = 407 \text{ gpm}$, $t_p = 226 \text{ days}$, efficiency = 70%)

DT = 78.4 ft

Total drawdown exceeds the water column, so this well is **critical**.

11326:

Water Column = 77 ft

DP = 12.4 ft (Net drawdown from the proposal indicated above)

DE = 13.4 ft (Water level decline from 2024 through 2049 based upon GMD3 model)

DD = 60.6 ft ($S = 0.1468$, $T = 2514 \text{ ft}^2/\text{day}$, $Q = 450 \text{ gpm}$, $tp = 136 \text{ days}$, efficiency = 70%)

DT = 86.4 ft

Total drawdown exceeds the water column, so this well is **critical**.

1315 & 5223:

Water Column = 77 ft

DP = 21.3 ft (Net drawdown from the proposal indicated above)

DE = 13.4 ft (Water level decline from 2024 through 2049 based upon GMD3 model)

DD = 19.0 ft ($S = 0.1468$, $T = 2514 \text{ ft}^2/\text{day}$, $Q = 140 \text{ gpm}$, $tp = 156 \text{ days}$, efficiency = 70%)

DT = 53.7 ft

Economic Drawdown Constraint (EDC) = $0.4 * 77 \text{ ft} = 30.8 \text{ ft}$

Physical Drawdown Constraint (PDC) = $77 \text{ ft} - 60 \text{ ft} = 17.0 \text{ ft}$

Total drawdown of 53.7 ft is greater than the EDC and the PDC, so this well is **critical**.

30353:

Water Column = 76 ft

DP = 13.5 ft (Net drawdown from the proposal indicated above)

DE = 11.3 ft (Water level decline from 2024 through 2049 based upon GMD3 model)

DD = 38.2 ft ($S = 0.1468$, $T = 2514 \text{ ft}^2/\text{day}$, $Q = 280 \text{ gpm}$, $tp = 164 \text{ days}$, efficiency = 70%)

DT = 63.0 ft

Economic Drawdown Constraint (EDC) = $0.4 * 76 \text{ ft} = 30.4 \text{ ft}$

Physical Drawdown Constraint (PDC) = $76 \text{ ft} - 60 \text{ ft} = 16.0 \text{ ft}$

Total drawdown of 63.0 ft is greater than the EDC and the PDC, so this well is **critical**.

2168:

Water Column = 76.0 ft

DP = 16.2 ft (Net drawdown from the proposal indicated above)

DE = 11.3 ft (Water level decline from 2024 through 2049 based upon GMD3 model)

DD = 66.1 ft (S = 0.1468, T = 2514 ft²/day, Q = 474 gpm, tp = 238 days, efficiency = 70%)

DT = 93.6 ft

Economic Drawdown Constraint (EDC) = 0.4 * 76 ft = 30.4 ft

Physical Drawdown Constraint (PDC) = 76 ft – 60 ft = 16.0 ft

Total drawdown of 93.6 ft exceeds the water column, so this well is **critical**.

Domestic 27-27-38:

Water Column = 76.0 ft

DP = 14.8 ft (Net drawdown from the proposal indicated above)

DE = 11.3 ft (Water level decline from 2024 through 2049 based upon GMD3 model)

DT = 26.1 ft

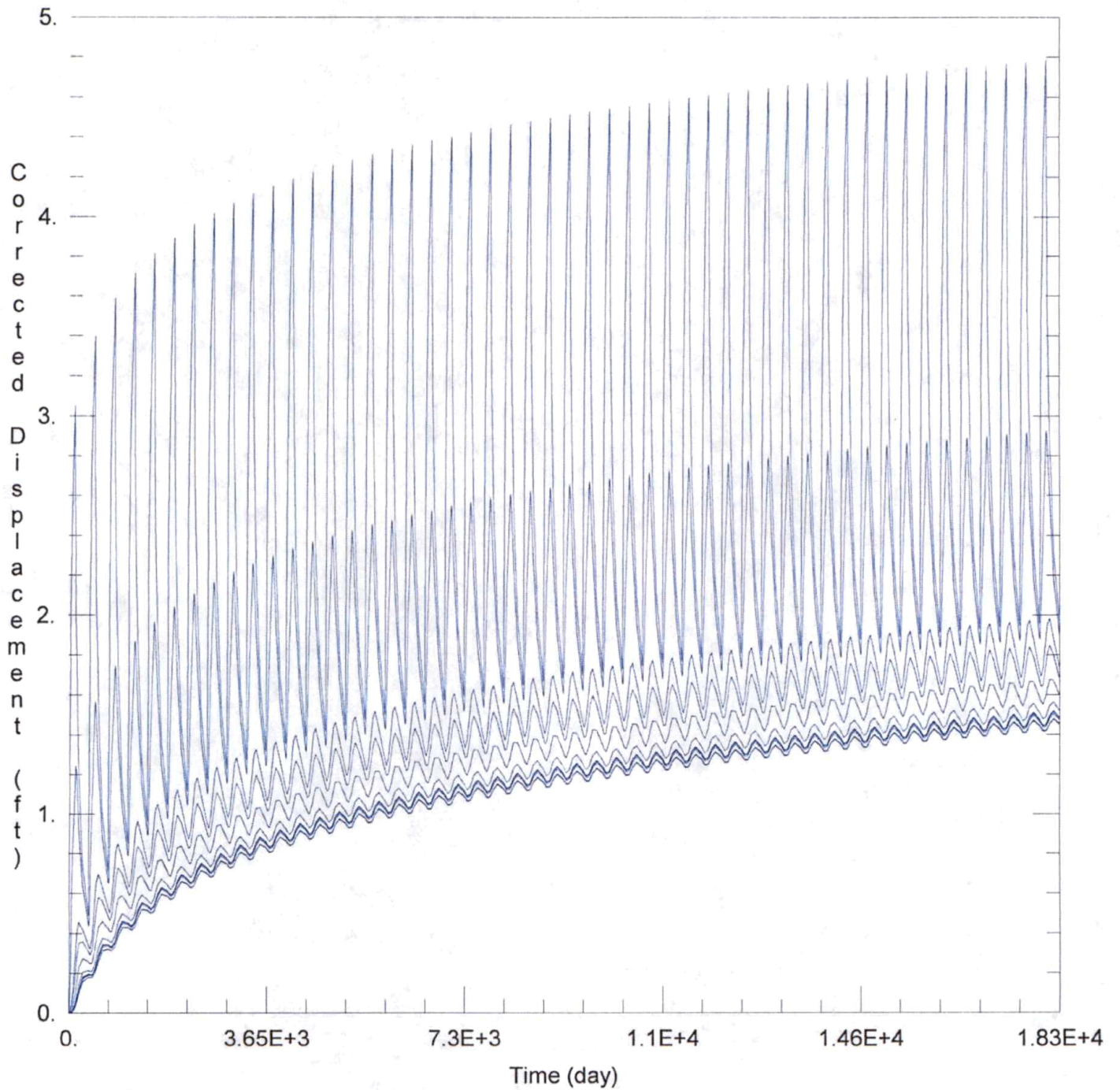
Economic Drawdown Constraint (EDC) = 0.4 * 72 ft = 28.3 ft

Physical Drawdown Constraint (PDC) = 72 ft – 20 ft = 52.0 ft

Total drawdown of 43.0 ft is greater than the EDC, so this well is **critical**.

Conclusion:

The proposed move is in a depleted aquifer area with about 60-80 ft of remaining saturated thickness. The proposed well will be drilled well below this depth, but the driller's log does not show much good aquifer material. The analysis shows that net well-to-well effects created by this proposal are likely to be large, but it should be noted that the actual rate and quantity pumped from the well location will likely be far less than the proposed rate of 1200 gpm and quantity of 1057.6 AF. No well within a mile of the proposed well site has been observed pumping more than 500 gpm in recent years, and several neighboring wells are no longer operating due to insufficient water. Concerned neighbors should contact GMD3 at (620) 275-7147 or the Division of Water Resources at (620) 276-2901.



WELL TEST ANALYSIS

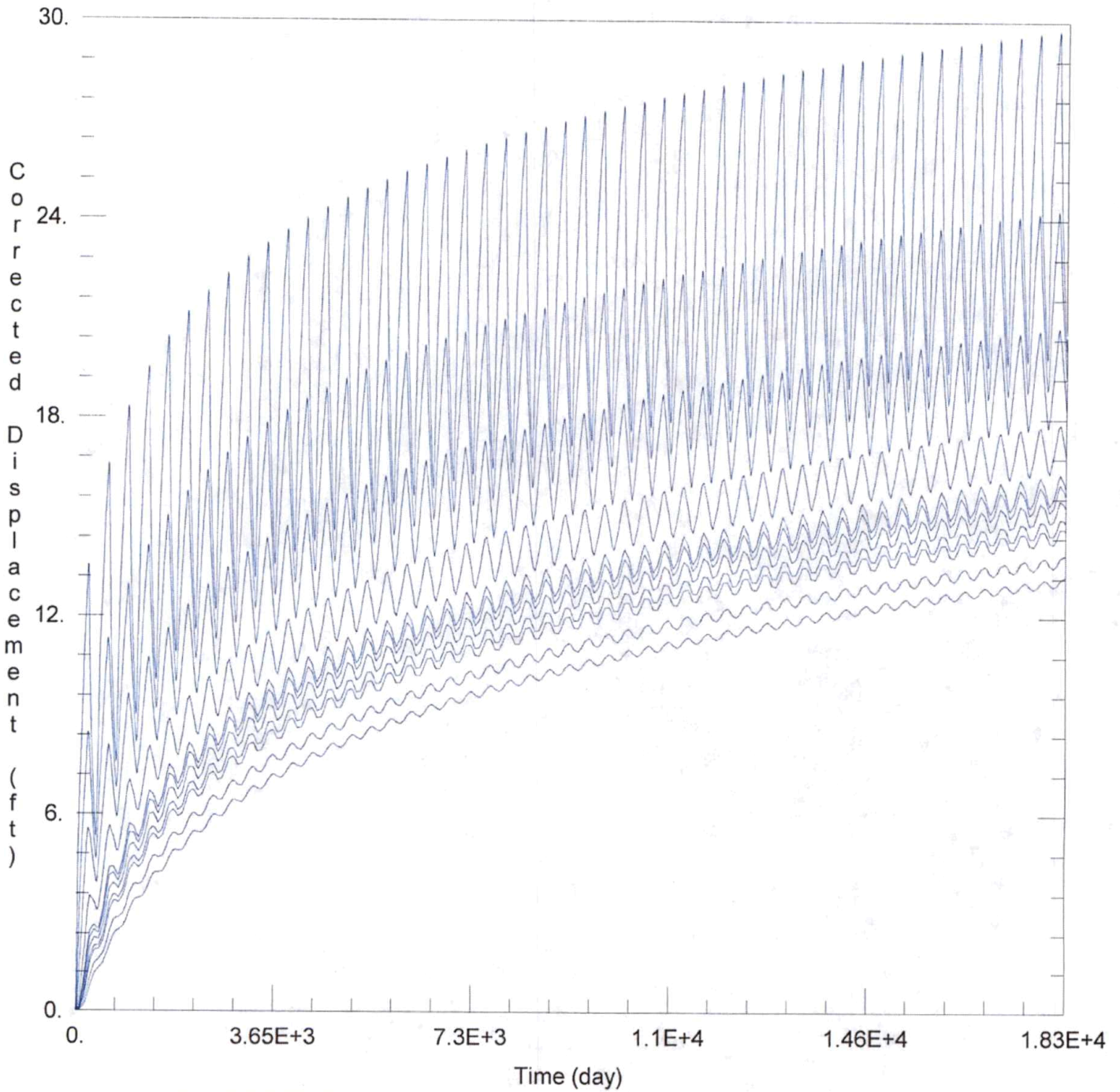
Data Set: C:\Users\trevora\Documents\2024_moves\2309\2309 Current.aqt
 Date: 03/05/24 Time: 16:06:34

PROJECT INFORMATION

Company: GMD 3
 Project: 2309
 Location: Grant County

WELL DATA

Pumping Wells			Observation Wells		
Well Name	X (ft)	Y (ft)	Well Name	X (ft)	Y (ft)
2309 ID6	-193567	294215	□	-193567	294215
			□ 2309 ID7	-190758	294187



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2024_moves\2309\2309 Proposed.aqt
 Date: 03/05/24 Time: 16:06:43

PROJECT INFORMATION

Company: GMD 3
 Project: 2309
 Location: Grant County

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
2309 ID6	-193052	293920

Observation Wells

Well Name	X (ft)	Y (ft)
□ 2309 ID6	-193052	293920
□ 2309 ID7	-190758	291187

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

Mike Beam, Secretary



Phone: 620-276-2901
Fax: 620-276-9315
www.agriculture.ks.gov

Laura Kelly, Governor

February 26, 2024

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

Re: Request for Recommendation,
File No. 2309

Dear Sir or Madam:

We are enclosing a copy of the referenced application, which was submitted by Seaside Trust and appears to be in proper form, for your review.

We are delaying any further action for a period of 15 days from the date of this letter to allow you time to submit your recommendation concerning this application. Please submit your recommendation within the allotted time, or any authorized extension of time thereof.

If you have any questions, please contact me at (620) 276-2901. If you wish to discuss a specific file, please have the file number ready to that I may help you more efficiently.

Sincerely,

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

Austin McColloch
Assistant Water Commissioner

Enclosure
pc:

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



Phone: 620-276-2901
Fax: 620-276-9315
www.agriculture.ks.gov

Mike Beam, Secretary

Laura Kelly, Governor

February 8, 2024

SHANE BROWNING
1418 E MICHIGAN AVE
ULYSSES, KS 67880

RE: Application for Change
Water Right, File Nos. 2309

Dear Sir or Madam:

This is to advise you that Seaside Trust has filed an application for approval of the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, to change the point of diversion under the above referenced applications. An irrigation well is proposed to be relocated to the NW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 22, Township 27 South, Range 38 West, Grant County.

You can find the complete applications posted by water right file number as referenced above at: www.Agriculture.ks.gov/DWRNotices

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

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

Sincerely,

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

Austin J. McColloch
Assistant Water Commissioner

AM:

pc:

SCANNED

STEVE HIGGS

SW 22-27S-38W GRANT CO.

Legend

Wolf Creek

HIGGS TH #3 ELEV=3112'

HIGGS WR #GT 12-00 ELEV=3103'

WR #2309 ELEV=3114'

HIGGS TH #1 ELEV=3114'

WR #5223 ELEV=3114'

County Rd 5 W

Google Earth

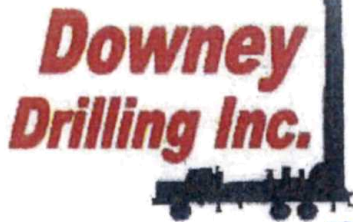
TH #1

2000 ft

N 1/2 E

N 1/2 E





#2309
Additional Information
Move is for TH #1

CUSTOMER NAME: STEVE HIGGS

TH#3

LEGAL: S 1/2 22-27S-38W

COUNTY: GRANT CO, KS

GPS: 37.684877

-101.467928

DRILLER: DIEGO

WO: 21-891

V	FROM	TO	TYPE	HARDNESS	COLOR	SPEED	PULL DOWN	OTHER / DRILLING ACTION
	0	3	TOP SOIL	SOFT	DARK BROWN	FAST		SMOOTH
	3	14	BROWN SILTY CLAY	SOFT	BROWN	FAST		SMOOTH
	14	21	FINE SAND	SOFT		FAST		VIBRATION
	21	29	BROWN SILTY CLAY	SOFT	BROWN	FAST		SMOOTH
	29	51	FINE-MED-COARSE SAND	SOFT		FAST		CHOPPY
	51	60	SANDY CLAY	SOFT	BROWN	FAST		SMOOTH
	60	97	FINE SAND W/ SANDY CLAY	SOFT	BROWN	FAST		VIBRATION
	97	119	BROWN CLAY	STICKY	BROWN	FAST		SMOOTH
	119	138	SANDY CLAY	SOFT	BROWN	FAST		SMOOTH
	138	166	BROWN CLAY	STICKY	BROWN	FAST		SMOOTH
	166	171	FINE SAND	SOFT		FAST		VIBRATION
	171	182	BROWN CLAY W/ CEMENTED SAND	FIRM	BROWN	SEMI SLOW		CHOPPY
	182	204	FINE-MED-COARSE SAND W/ LIME ROCK & CEMENTED SAND	STIFF	WHITE			
	204	211	TAN SANDY CLAY	SOFT	TAN	FAST		SMOOTH
	211	220	BROWN CLAY	SOFT	BROWN	FAST		SMOOTH
	220	231	FINE-MED-COARSE SAND	FIRM		FAST		FAST CHATTER
	231	244	FINE SAND W/ SANDY CLAY	SOFT	TAN	FAST		VIBRATION & SMOOTH
	244	255	LIME ROCK W/ CEMENTED SAND & FINE SAND	STIFF	WHITE & TAN	SLOW		CHATTER
	255	261	SOAPSTONE W/ BROWN ROCK & SANDSTONE	SOFT	WHITE & BROWN	FASTER		VIBRATION & CHOPPY
	261	279	WHITE SOAPSTONE W/ BROWN ROCK & SANDSTONE TRACE	FIRM	WHITE & BROWN	FAST		VIBRATION
	279	320	FINE SAND W/ WHITE SANDSTONE	STIFF	WHITE	FAST		FAST CHATTER
	320	328	FINE SAND W/ SANDSTONE	STIFF	YELLOW	FAST		FAST CHATTER
	328	363	BROWN ROCK W/ FINE SAND	STIFF	BROWN	FAST		FAST CHATTER
	363	378	BIG DRINK, WEAK CIRCULATION, MIXED 3 BRAN & 2 QG, GAINED CIRCULATION BACK @ 369					
	378	379	HARD SPOT	HARD		SLOW	X	CHATTER
	379	393	GREENISH BROWN SOAPSTONE W/ SANDSTONE	FIRM	GREENISH, BROWN	FASTER		VIBRATION
	396	406	SHALE	SOFT	BLUE	SLOW		SMOOTH
	406	408	(HARD SPOT SWITCHED TO PDC)	HARD		SLOW		CHATTER
	408	465	SHALE	SOFT	BLUE	SLOW		SMOOTH
	465	474	SANDSTONE W/ SOAPSTONE & FINE SAND	FIRM	GRAY	FAST		SLIGHT CHATTER
	474	489	SHALE	SOFT	BLUE	SLOW		SMOOTH
	489	508	SANDSTONE W/ FINE SAND	STIFF	WHITE	FAST		FAST CHATTER
	508	518	SOAPSTONE	SOFT	GRAY	FAST		VIBRATION
	518	585	SANDSTONE W/ FINE SAND	STIFF	WHITE	FAST		FAST CHATTER
	585	590	BLUE CLAY LAYER	SOFT	BLUE	SLOW		SMOOTH

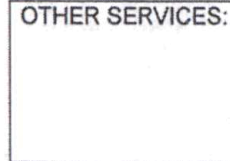


Century GEOPHYSICAL CORP.

STEVE HIGGS

COMPANY : DOWNEY DRILLING INC
WELL : STEVE HIGG
LOCATION/FIELD : TH#3
COUNTY : GRANT
LOCATION : S 1/2
SECTION : 22

OTHER SERVICES:



TOWNSHIP : 27S RANGE : 38W

DATE : 10/30/23
DEPTH DRILLER : 642
LOG BOTTOM : 638.50
LOG TOP : 1.00

PERMANENT DATUM : GL

KB :
DF :
GL :

LOG MEASURED FROM: GL

DRL MEASURED FROM: 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: 10/30/23
LGTIME : 20:59:
THRESH: 99999

N 36.68487
W -101.46792

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

STEVE HIGGS

SW 22-27S-38W GRANT CO.

Legend

Wolf Creek

HIGGS TH #3 ELEV=3112'

HIGGS WR #GT 12-00 ELEV=3103'

WR #2309 ELEV=3114'

HIGGS TH #1 ELEV=3114'

WR #5223 ELEV=3114'

County Rd 5 W

Google Earth

TH #1

2000 ft

