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

1. File Number:	2. Status Change Date:	3. Change Num:	4. Field Office:	5. GMD:
15465	7-1-2024	**C1**	**4**	**3**

6. Status: ☒ Approved ☐ Denied by DWR/GMD ☐ Dismiss by Request/Failure to Return

7. Filing Date of Change: **02/29/2024**

8a. landowner — Person ID **57020** — New to system ☐ — Add Seq# _____

CLAWSON LAND PARTNERSHIP
PO BOX 279
PLAINS, KS 67869

8d. Landowner(s) — Person ID **35935** — New to system ☐ — Add Seq# _____

STEVEN DAVIS
8149 N GIBRALTAR DR
TUCSON, AZ 85704

8b. Landowner(s), applicant — Person ID **63731** — New to system ☐ — Add Seq# _____

KMC AG LLC
P O BOX 279
PLAINS, KS 67869-02079

8e. Landowner — Person ID **242** — New to system ☐ — Add Seq# _____

E G AMERIN
9041 4 RD
PLAINS, KS 67869

8c. Landowner(s) — Person ID **35935** — New to system ☐ — Add Seq# _____

STEVEN DAVIS
8149 N GIBRALTAR DR
TUCSON, AZ 85704

8c. WUC — Person ID **37462** — New to system ☐ — Add Seq# _____

CLAWSON MEADE-SEWARD #2
PO BOX 279
PLAINS, KS 67869-0279

9. Documents and Enclosure(s): ☒ DWR Meter(s) Date to Comply: **12/31/2024** ☒ N & P Date to Comply: **3/1/2025**

☐ 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: **6/11/2024** By: **MAM**

Date Entered: By:

File No. **15465**	11. County: **ME**	Basin: **ARKANSAS RIVER**	Stream:	Formation Code: **211/331**	Special Use:

12. Points of Diversion

CHK MOD DEL ENT	PDIV	Qualifier	S	T	R	ID	'N	'W	Comment (AKA Line)	Rate and Quantity Authorized Rate gpm	Authorized Quantity af	Additional Rate gpm	Additional Quantity af	Overlap PD Files
DEL	**35011**													
ENT		**LOT 2 (NWNE)**	**5**	**31S**	**30W**		**5240**	**2286**		**700**	**752**	**700**	**752**	**NONE**

13. Storage: Rate _____ NF Quantity _____ ac/ft Additional Rate _____ NF Additional Quantity _____ ac/ft

14. Limitation: _____ af/yr at _____ gpm (_____ cfs) when combined with file number(s) _____

Limitation: _____ af/yr at _____ gpm (_____ cfs) when combined with file number(s) _____

15. 5YR Allocation: Allocation Type _____ Start Year _____ 5 YR Amount _____ Amount Unit ____ Base Acres _____ Comment _____

16. Place of Use

CHK MOD DEL ENT	PUSE	S	T	R	ID	NE¼ NE ¼	NE¼ NW ¼	NE¼ SW ¼	NE¼ SE ¼	NW¼ NE ¼	NW¼ NW ¼	NW¼ SW ¼	NW¼ SE ¼	SW¼ NE ¼	SW¼ NW ¼	SW¼ SW ¼	SW¼ SE ¼	SE¼ NE ¼	SE¼ NW ¼	SE¼ SW ¼	SE¼ SE ¼	Total	Owner Chg?	Overlap Files

Base Acres: **636.06** Year: Minimum Reasonable Quantity:

Comments: **reduced maximum rate of diversion per request of landowner based on theis analysis**

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

Kansas
Department of Agriculture
Division of Water Resources

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

Mike Beam, Secretary

Laura Kelly, Governor

July 1, 2024

CLAWSON MEADE-SEWARD #2
PO BOX 279
PLAINS, KS 67869-0279

RE: Field Office Application for Change
Water Right, File No. 15465

Dear Sir:

Enclosed is an 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 these approvals 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 note the additional condition attached to this order that amends the authorized maximum rate of diversion as requested.

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,

Michael A. Meyer
Water Commissioner

MAM:
Enclosures

pc: GMD3

CERTIFICATE OF SERVICE

On this 1st day of July 2024, I hereby certify that the foregoing Approval of Application for Change in Point of Diversion, Water Right, File No. 15,465 dated 1st day of July 2024 was mailed postage prepaid, first class, US mail to the following:

CLAWSON MEADE-SEWARD #2
PO BOX 279
PLAINS, KS 67869-0279

pc:

GMD3

Aaron Holsted

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. 15465

NES-31-20 MS

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: Clawson Land Partnership
   PO BOX 279, Plains, KS 67869
   Phone Number: ( ) Email address:
   Name and address of Water Use Correspondent: Same As Above
   Same As Above
   Phone Number: ( ) Email address:

RECEIVED
FEB 29 2024
1:00 pm
Garden City Field Office
Divison of Water Resources

3. The presently authorized place of use is:
   Owner of Land ---- NAME:
   ADDRESS:
   (If there is more than one landowner, attach supplemental sheets as necessary.)

Sec. Twp. Range	NE¼				NW¼				SW¼				SE¼				TOTAL ACRES
	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	

4. If this application is for a change in place of use, it is proposed that the place of use be changed to:
   Owner of Land ---- NAME:
   ADDRESS:
   (If there is more than one landowner, attach supplemental sheets as necessary.)

Sec. Twp. Range	NE¼				NW¼				SW¼				SE¼				TOTAL ACRES
	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	

For Office Use Only: *Code* _____ ***Fee $*** 200.00 ***TR #*** _____ ***Receipt Date*** 2-29-24 ***Check #*** 17928

5. **Presently authorized point of diversion:**

One in the _____ Quarter of the _____ Quarter of the _____ Quarter of Section 5, Township 31 South, Range 30 W, in Meade County, Kansas, 4950 feet North 2640 feet West of Southeast corner of section.

Authorized Rate _____ Authorized Quantity _____ Depth of well 510 (feet)

(DWR use only: Computer ID No. 1 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 160 (NW NE) Quarter of Section ~~35~~ 5, Township ~~22~~ 31 South, Range ~~33~~ 30 W, in Meade County, Kansas, 5240 feet North 2286 feet West of Southeast corner of section.

Proposed Rate * 700 GPM Proposed Quantity 752 AF Proposed well depth (feet) 540.

This point is: ☐ Additional Well ☐ Geo Center List other water rights that will use this point _____.

* Reduce to 700 GPM. 7-1-2024. DC

6. **Presently authorized point of diversion:**

One in the _____ Quarter of the _____ Quarter of the _____ Quarter of Section _____, Township _____ South, Range _____ 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 _____ W, in _____ County, Kansas, _____ feet North _____ feet West of Southeast corner of section.

Proposed Rate _____ Proposed Quantity _____ Proposed well depth (feet) _____.

This point is: ☐ Additional Well ☐ Geo Center List other water rights that will use this point _____.

7. The changes herein are desired for the following reasons? (please be specific) _____

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

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

_____

10. If the point of diversion is a well:

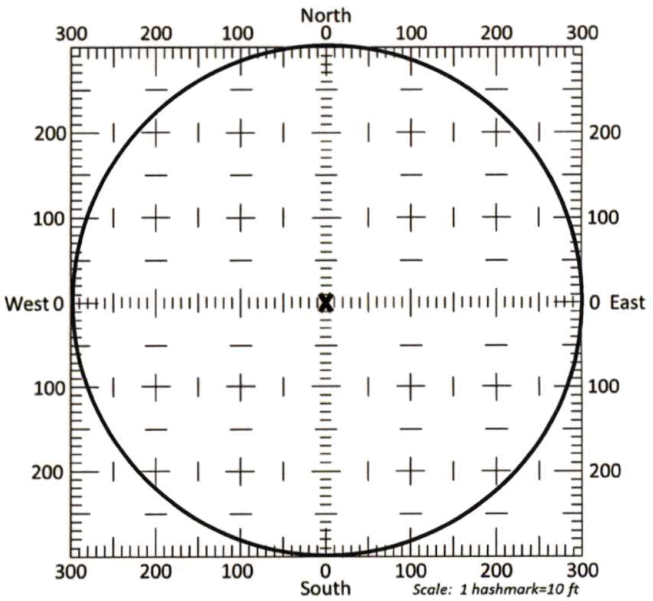
(a) What are you going to do with the old well?

_____

(b) When will this be done? _____

11. Groundwater Management District recommendation attached? ☐ Yes ☐ No

12. Assisted by JG/GCFO



13a. If the proposed point of diversion will be relocated more than 300 feet but within 2,640 feet of the existing point of diversion, attach a topographic map or aerial photograph. For groundwater sources, show all wells (including domestic) within one-half mile of the proposed point of diversion and the names and mailing addresses of the owners. For surface water sources, show the names and addresses of the landowner(s) one-half mile downstream and one-half mile upstream from your property lines

13b. If the proposed point of diversion will be relocated within a 300 foot radius of the existing point of diversion, indicate its location on the diagram shown above in relation to the existing point of diversion. The proposed point of diversion must be located within the circle shown above. **(PLEASE NOTE: The "X" in center of diagram above represents the presently authorized point of diversion.)**

14. If the proposed groundwater point of diversion is 300 or fewer feet from the existing point of diversion, complete the following:

(a) Does the undersigned represent all owners of the currently authorized place(s) of use identified in this application?
☐ Yes ☐ No (If no, all owners must sign this application.)

(b) Will the ownership interest of any owner of the currently authorized place(s) of use identified in this application be adversely affected if this application is approved as requested?
☐ Yes ☐ No (If yes, all owners must sign this application.)

(c) If this application is not approved expeditiously, will there be substantial damage to property, public health or safety?
☐ Yes ☐ No (If no, all owners must sign this application.)

If the application proposes a surface water change in point of diversion, a groundwater change in point of diversion greater than 300 feet, or a change in place of use, the application must be signed by all owners of the currently authorized place of use, or their duly authorized agent (attach notarized statement authorizing representation).

I hereby verify, being first duly sworn upon my oath or affirmation and under penalty of perjury, that I am of lawful age and the owner, the spouse of the owner, or a duly authorized agent of the owner(s) to make this application on their behalf, in regards to the water right(s) to which this application pertains. I further verify that the statements contained in this application are true, correct and complete.

Dated at Plains, Kansas, this 23rd day of February, 20 24.

David Clawson (Owner)	(Spouse)
David Clawson (Please Print)	(Please Print)
(Owner)	(Spouse)
(Please Print)	(Please Print)
(Owner)	(Spouse)
(Please Print)	(Please Print)

State of Kansas)
) SS
County of Meade)

I hereby certify that the foregoing application was signed in my presence and sworn to before me this 23rd day of February, 20 24.

RYAN REIMER
Notary Public - State of Kansas
My Appt. Expires 5-19-2024

Ryan Reimer
Notary Public

My Commission Expires 5-19-2024.

ONLY COMPLETE APPLICATIONS WILL BE PROCESSED. To be complete, all of the applicable portions of the application form must be completed with accurate information; maps, if necessary, must be included; signatures of all the appropriate owners' must be affixed to the application and notarized; and the appropriate fee must be paid.

FEE SCHEDULE

Each application to change the place of use or the point of diversion under this section shall be accompanied by the application fee set forth in the schedule below: Make checks payable to: **Kansas Department of Agriculture**

(1) Application to change a point of diversion 300 feet or less $100
(2) Application to change a point of diversion more than 300 feet $200
(3) Application to change the place of use $200

SUMMARY ORDER APPROVING APPLICATION FOR CHANGE AND IMPOSING CONDITIONS

This Summary Order is issued under authority of K.S.A. 82a-708b, as amended, and K.A.R. 5-5-1, *et seq.* and other applicable provisions of the *Kansas Water Appropriation Law, K.S.A. 82a-701 et. seq.,* and rules and regulations promulgated thereunder, With the exception of those conditions expressly contained herein, this Summary Order does not change the terms, conditions and limitations of File No. 15,465.

1. A change application was received on February 29, 2024 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 300 **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, 20** 24, 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, 20** 24, or within any authorized extension of time. By March 1, 20 25 the applicant shall notify the Chief Engineer that construction of the works for diversion has been completed, on the form provided by the Chief Engineer, as required by K.A.R. 5-8-4e.
   ☒ Applicable ☐ Not Applicable
9. **The completed well log shall be submitted with the required notice.** ☒ Applicable ☐ Not Applicable
10. All diversion works into which any type of chemical or other foreign substance will be injected into the water shall be equipped with an in-line, automatic, quick-closing check valve capable of preventing pollution of the source of the water supply. The check valve(s) shall be installed, operated and maintained in accordance with K.A.R. 5-3-5c. ☒ Applicable ☐ Not Applicable
11. Additional Conditions are attached. ☒ Yes ☐ No
12. In accordance with K.S.A. 82a-708a, as amended, and K.A.R. 5-5-14, all of the owners of the authorized place(s) of use of water appropriated under the above-referenced file number are responsible for compliance with its terms, conditions and limitations, as amended and/or supplemented by this Summary Order, and with applicable provisions of the *Kansas Water Appropriation Law* and the *Rules and Regulations* promulgated thereunder. Failure to comply with these provisions may result in civil penalties pursuant to K.S.A. 82a-737, as amended, and/or the suspension or revocation and dismissal of the water or appropriation right or any other enforcement actions authorized by law.

Administrative Appeal and Effective Date of Order

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

For Use by Register of Deeds

FOR OFFICE USE ONLY

APPLICATION APPROVED AND SUMMARY ORDER ISSUED

By: _____
Duly Authorized Designee of the Chief Engineer

(Print Name): MICHAEL A. MEYER
Division of Water Resources - Kansas Department of Agriculture

Date of Issuance: July 1, 2024

State of Kansas)
) SS
County of Finney)

Acknowledged before me on July 1st, 2024

by Michael A Meyer.

Signature: Aaron Holsted
Notary Public

My commission expires: May 18, 2027 (Notary Seal)

AARON T. HOLSTED
STATE OF KANSAS
NOTARY PUBLIC
My Appointment Expires

ADDITIONAL CONDITIONS TO
SUMMARY ORDER APPROVING APPLICATION FOR CHANGE
AND IMPOSING CONDITIONS,
Water Right, File Nos. 15,465

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 maximum rate of diversion to a rate not to exceed 700 gallons per minute (1.55 c.f.s.) from the authorized point of diversion described herein.

By: Michael A. Meyer
(Duly Authorized Designee of the Chief Engineer)

(Print Name): Michael A. Meyer
Division of Water Resources Kansas Department of Agriculture

Dated of Issuance: July 1, 2024

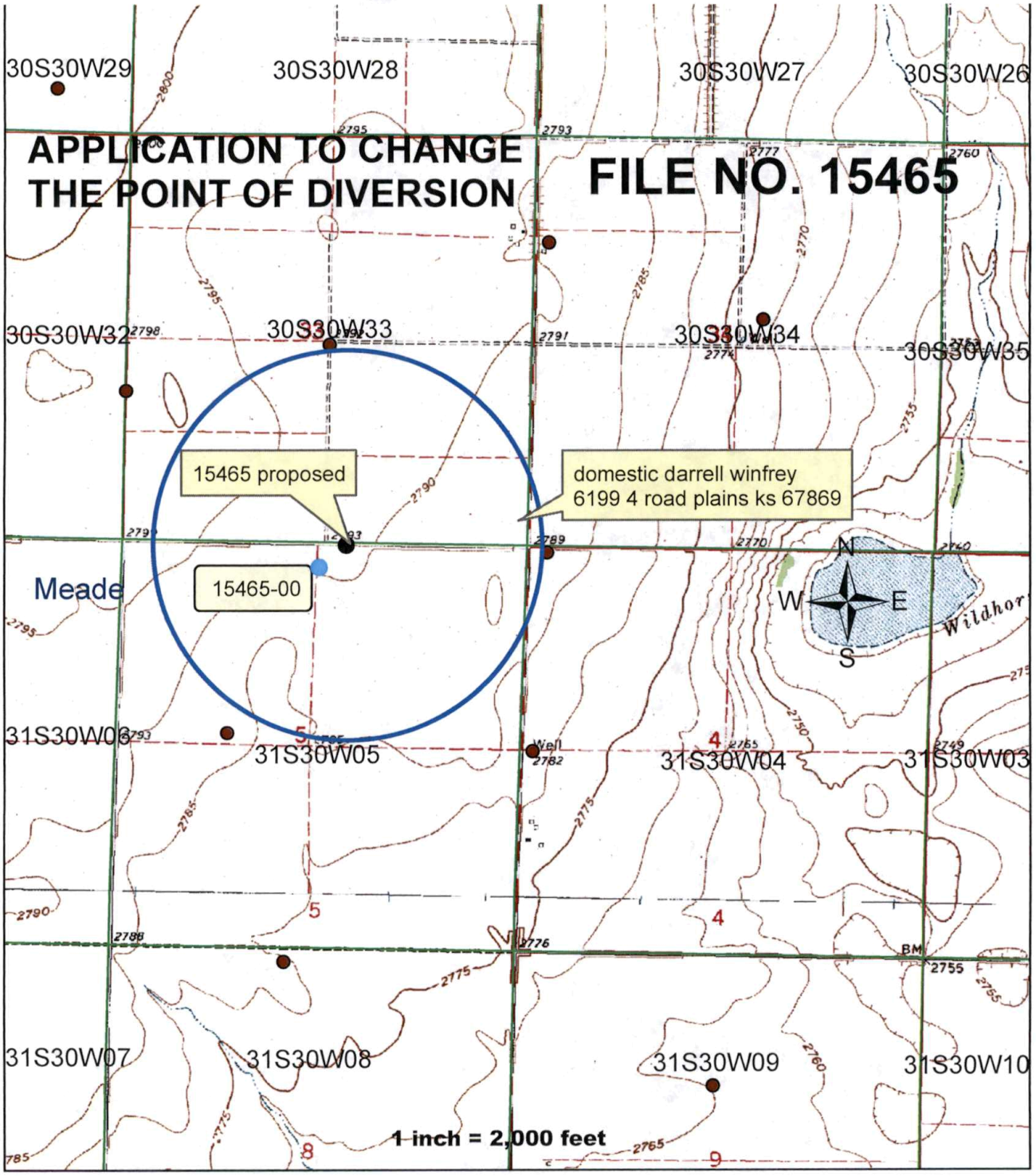
State of Kansas)
) SS
County of Finney)

Acknowledged before me on the 1st day of July 2024
By Michael A Meyer

Signature Aaron Halsted
Notary Public

AARON T. HOLSTED
My Appointment Expires
May 18, 2027

My Commission expires: _____
(Notary Seal)


APPLICATION TO CHANGE THE POINT OF DIVERSION
FILE NO. 15465
30S30W29
30S30W28
30S30W27
30S30W26
30S30W32
30S30W33
30S30W34
30S30W35
15465 proposed
domestic darrell winfrey
6199 4 road plains ks 67869
15465-00
Meade
N
W
E
S
31S30W06
31S30W05
31S30W04
31S30W03
31S30W07
31S30W08
31S30W09
31S30W10
1 inch = 2,000 feet

3795 W. Jones Ave.
Garden City, KS 67846
PH: 620-277-2389

Hydro resources

PO Box 639
Garden City, KS 67846
Fax: 620-277-0224

DAN CLAWSON OFF 620-563-6112
CELL 620-482-3260

Customer Name: Clawson Land Partnership
Street Address: P.O. Box 279
City, State: PLAINS, KS 67869
County: Meade Quarter: NE Section: 5 Township: 31 Range: 30
Location: 390' NE of EXISTING WELL GPS: N37.38743 W100.60620
Rig #: 10002 Elevation: 2792' Static WL: 312 FT Estimated?
WELL LOCATION Proposed Well Depth 523
Underground Water Line Approx. 5FT South of Test Hole Running East & West 20' SUMP

WO#: 26254 Date: 2-6-24
Test #: 1 E LOG: Yes
Driller: Dale Guinn

%	Footage From	Pay	To	Description of Strata
	0		2	Top Soil
	2		40	Brown Sandy Clay
	40		57	Brown Sandy Clay w/Sand Mixed
	57		84	Brown Clay
	84		120	Sand Fine Med Course
	120		223	Sand Fine Med Course Some Small Gravel
	223		234	Sand Fine Med Course w/Few Clay Layers
	234		258	Sand Fine Med Course Small Gravel
	258		292	Sand Fine Med Course Some Small Gravel
25	292	20	332	Sand Fine Med Course
	332		341	Gray Clay
25	341	39	380	Sand Fine Med Course
20	380	16	396	Sand Fine Med Course w/Few clay Layers
5	396	43	439	Sand Fine & Brown Sandy Clay w/Few Calich Strips
15	439	30	469	Sand Fine
10	469	24	493	Sand Fine w/Few clay Stringers
15	493	10	503	Sand Fine w/Brown Rock
	503		521	Soapstone w/Few Red Bed Strips
	521		540	Red Bed

/5465

Super Gel X -2
Grout -5
Hole Plug -6
Perma Plug -1

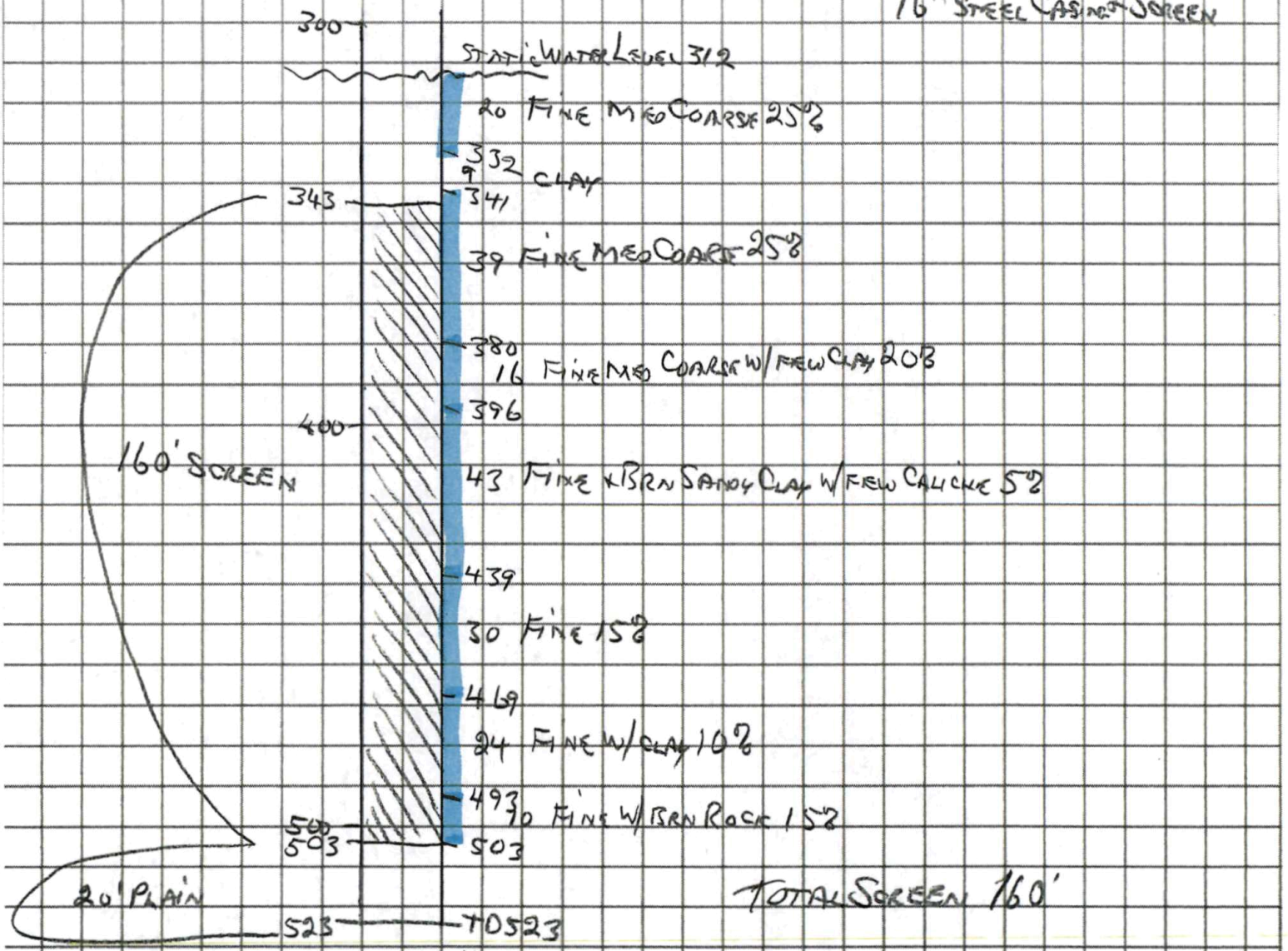
Hydro resources

620-277-2389
1-800-742-5889
620-277-0224 Fax

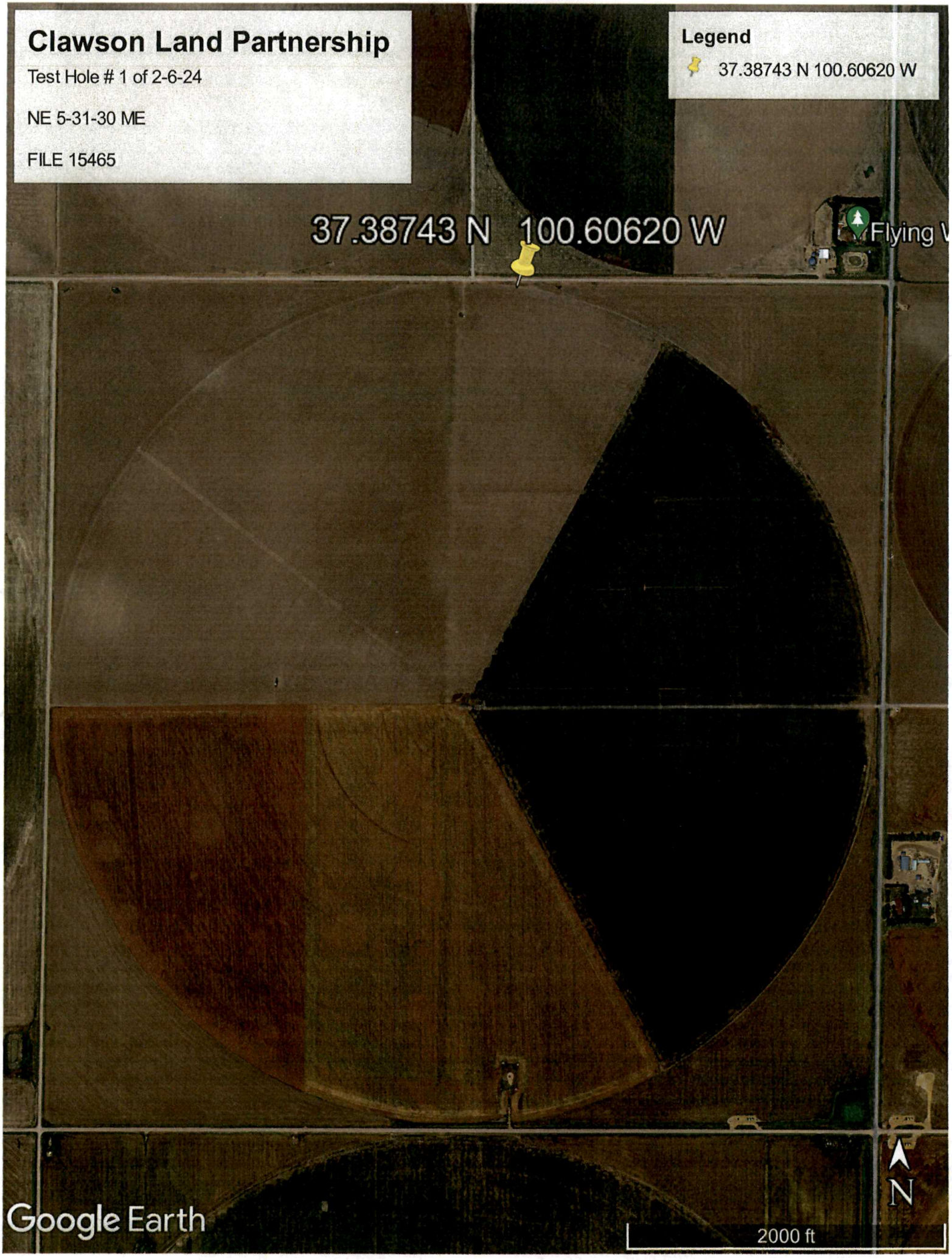
P.O. Box 639 • 3795 W. Jones Ave.
Garden City, KS 67846

www.hydroresources.com

CLAWSON LAND PARTNERSHIP
NE 5-31-30 ME
TEST HOLE #1 of 2-6-24
PROPOSED WELL DESIGN
TOTAL DEPTH 523
INCLUDING 20' SUMP
24" BORE HOLE
16" STEEL CASING & SCREEN



TOTAL SCREEN 160'


Clawson Land Partnership
Test Hole # 1 of 2-6-24
NE 5-31-30 ME
FILE 15465
Legend
37.38743 N 100.60620 W
37.38743 N 100.60620 W
Flying V
N
Google Earth
2000 ft

S. Thurlow
5/8/2024

Theis evaluation of proposed change in point of diversion, File No. 15,465

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. 15,465. The change proposes reallocating the West well approximately 290 feet South and 354 feet East of the currently authorized location (Figure 1).

The GMD No. 3 groundwater model was used with an adjustment factor for a projected future (2068) saturated thickness (119 ft) and a resulting water level elevation (2,417 ft). The average of model cells located within Township 30 South, Range 30 West, Sections 32-34, and Township 31 South, Range 30 West, Sections 4-6 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 mile 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, eight lithological logs were evaluated (Figure 4-5, Tables 1-8), with an average transmissivity of 2,468 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 0.00112. The average Practical saturated thickness (61.1 ft) was used when calculating the net drawdown as a percentage of saturated thickness (Tables 9-13).

Drawdown was evaluated at two nearby existing wells authorized by File Nos. 33,246 and 30,169, one domestic well in the SW1/4 of the NW1/4 of Section 30S30W34, and one domestic well in the SE1/4 of the SE1/4 of the Section 30S30W33 (Tables 9-13). The authorized quantity of 752 acre-feet (AF) at a rate of 2,150 gallons per minute (gpm) was compared to the average historic use (253.0 AF, 2014-2023) at the most recent recorded pumping rate (765 GPM). The maximum net drawdown occurred at the point of diversion authorized by the domestic well in the SE1/4 of the SE1/4 of the Section 30S30W33. The net drawdown at that distance was 49.6 ft, or 81.2% of the projected future Practical Saturated Thickness (Table 12). If the pumping rate is limited to 689 GPM, the resulting net drawdown will be 12.2 ft or 20.0% of the projected future Practical Saturated Thickness (Table 13).

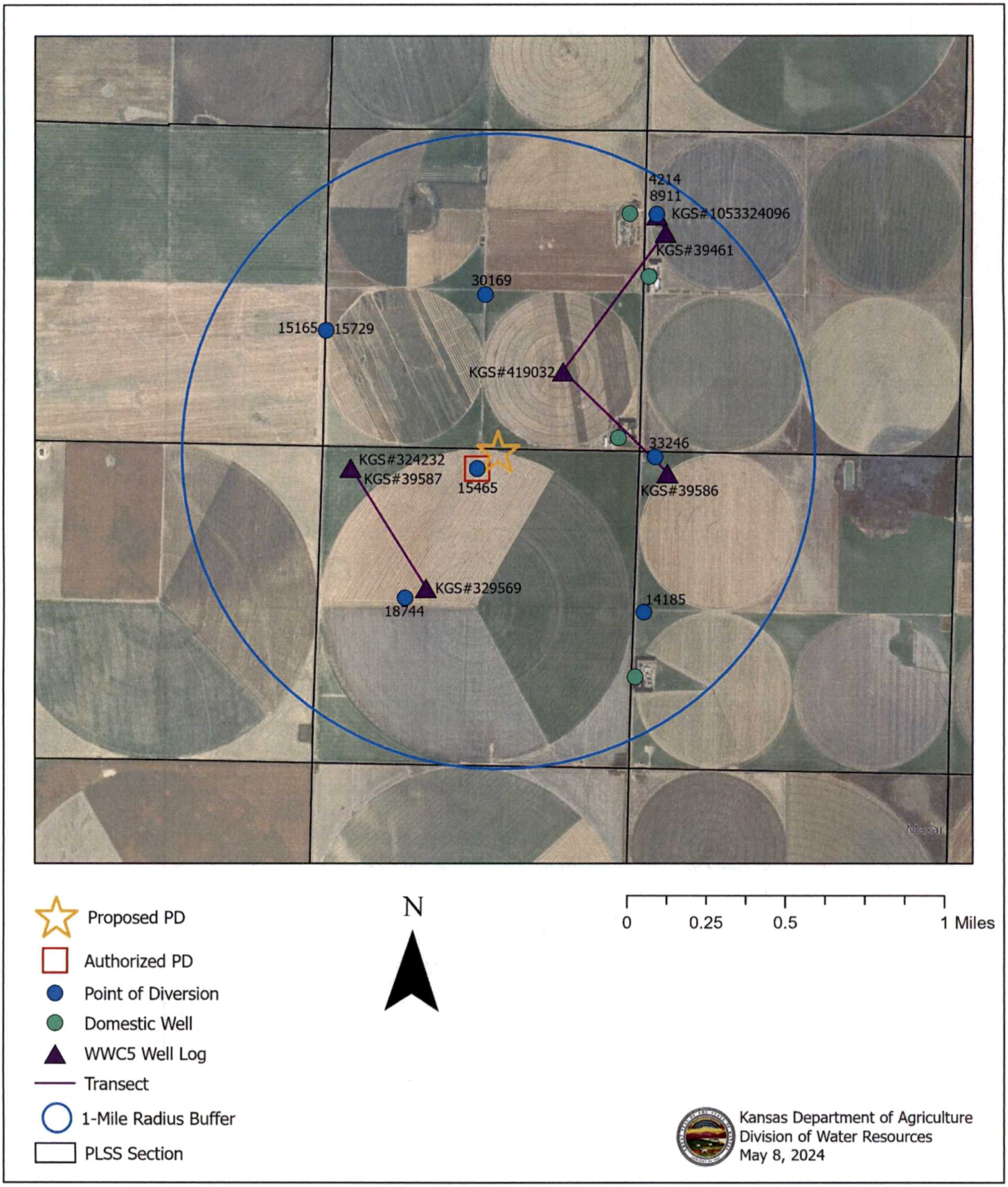


Figure 1: Location of current and proposed points of diversion, surrounding points of diversion, and WWC5 records

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	fmgsnd	Fine to Medium Sand
coal	Coal	fmds	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	fcrssnd	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	fcrsss	Fine to Coarse Silty Sand	fcrssdg	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
fcrssc	Fine to Coarse Sandy Clay	u	Unknown (most likely unintelligible)	fg	Fine Gravel
mcrssc	Medium to Coarse Sandy Clay			fmg	Fine to Medium Gravel
				fcrsg	Fine to Coarse Gravel
				fcrssg	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	fmgsnd	15	0.24
coal	0.00004	0.05	fmds	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	fcrssnd	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	fcrsss	14.5	0.16	fcrssdg	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
fcrssc	0.0001	0.08	u	14.5	0.16	fg	299	0.29
mcrssc	0.0001	0.08				fmg	299	0.29
						fcrsg	299	0.29
						fcrssg	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

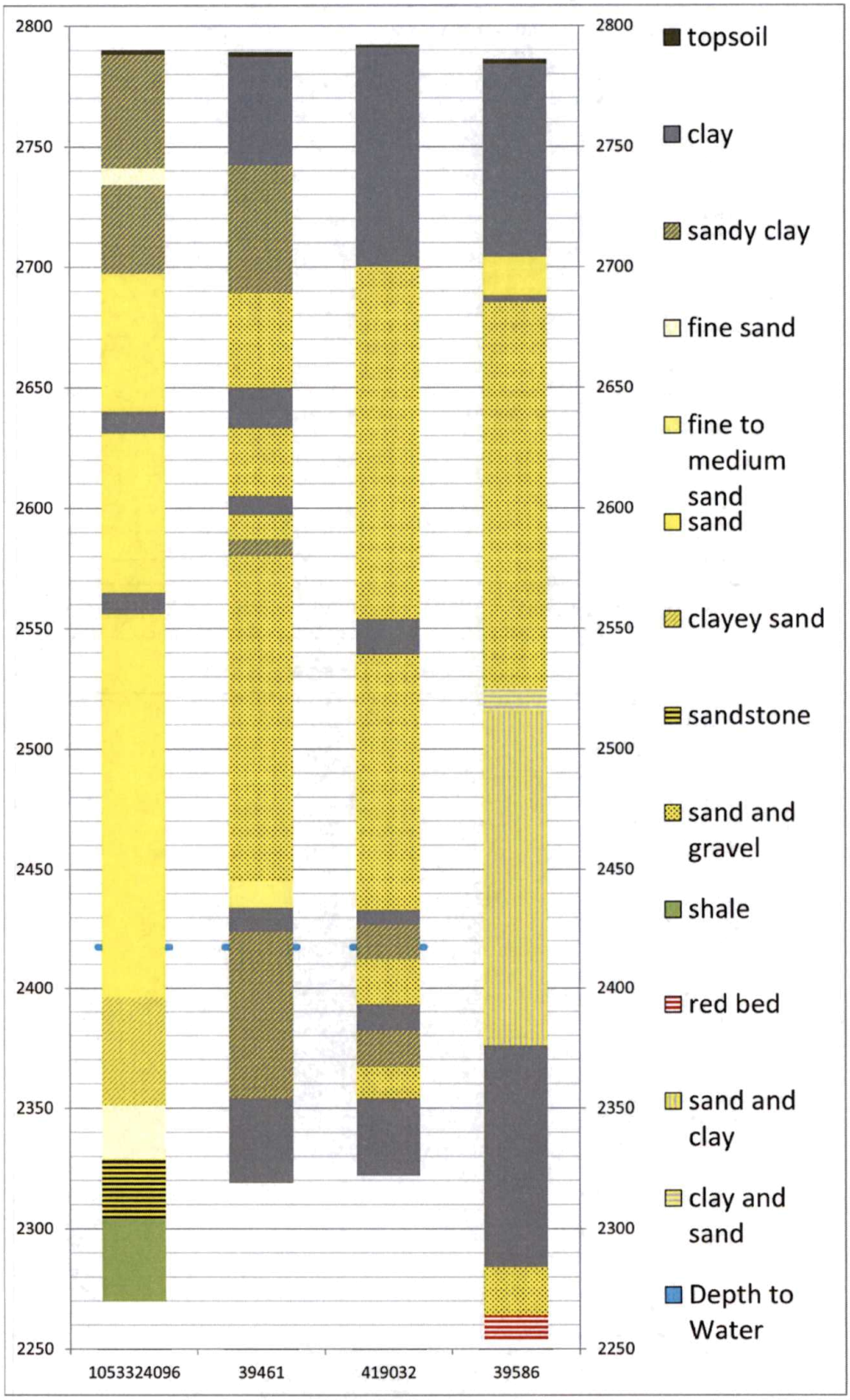


Figure 4: lithology log of KGS Wells on East transect

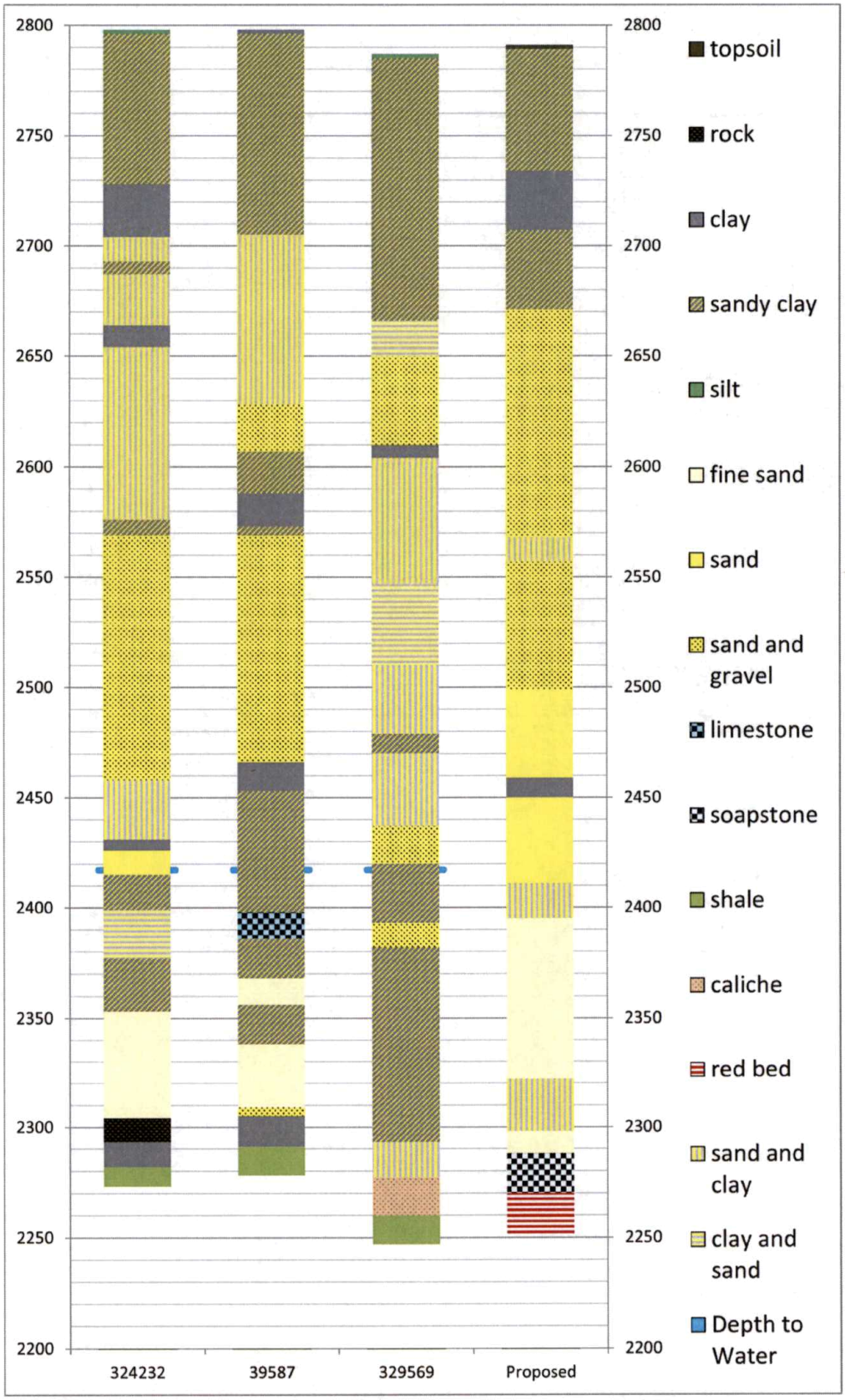


Figure 5: lithology log of Proposed location and KGS Wells on the West transect

Table 1: Lithology of the Proposed Well location

Driller's Description	Synonymy Codes	Percentages	Saturated Thickness (Feet)	Transmissivity (feet²/day)
Top soil	Above water surface			
Brown sandy clay				
Brown sandy clay w/ sand mixed				
Brown clay				
Sand fine med course				
Sand fine med coarse some small gravel				
Sand fine med coarse w/ few clay layers				
Sand fine med coarse small gravel				
Sand fine med coarse some small gravel				
Sand fine med coarse				
Gray clay				
Sand fine med coarse	Snd	100	6	378.0
Sand fine med coarse w/ few clay layers	Snd, c	80, 20	16	806.4
Sand fine + brown sandy clay w/ few caliche strips	Fsnd, sc, ca	60, 30, 10	43	443.8
Sand fine	Fsnd	100	30	450.0
Sand fine w/ few clay stringers	Fsnd, c	80, 20	24	288.0
Sand fine w/ brown rock	Fsnd, r	70, 30	10	105.0
Soapstone w/ few red bed strips	Ca, rb	70, 30	18	0.0
Red bed	rb	100	19	0.0
			Total Transmissivity:	2471.2

Table 2: Lithology, KGS Well ID 1053324096

Driller's Description	Synonymy Codes	Percentages	Saturated Thickness (Feet)	Transmissivity (feet^2/day)
Top soil	Above water surface			
Sandy clay, brown				
Fine sand				
Sandy clay, brown				
Fine to coarse sand				
Clay, brownish blue				
Fine to coarse sand				
Clay, brownish blue				
Fine to coarse sand, loose				
Fine to coarse sand, loose	Snd	100	21	1323.0
Clayey fine sand	Fsnd, c	90, 10	45	607.5
Fine sand with caliche stringers	Fsnd, ca	80, 20	22	264.0
Clayey sandstone, moderately weathered	Ds, c	90, 10	25	99.0
Shale, slightly weathered	Sh	100	16	0.0
Shale, unweathered, red	sh	100	18	0.0
			Total Transmissivity:	2293.5

Table 3: Lithology, KGS Well ID 39461

Driller's Description	Synonymy Codes	Percentages	Saturated Thickness (Feet)	Transmissivity (feet^2/day)
Top soil	Above water surface			
Brown clay				
Brown sandy clay				
Fine to medium sand and gravel				
Blue clay				
Fine to medium sand and gravel				
Brown clay				
Fine to medium sand and gravel				
Brown sandy clay				
Fine to medium sand and gravel				
Fine to medium sand and gravel, loose				
Fine to medium sand and fine gravel, loose				
Fine to medium sand and gravel, loose				
Fine to medium sand and fine gravel, loose				
Fine to medium sand and gravel, tight				
Fine to medium sand				
Fine to medium sand				
Brown, blue, and yellow clay				
Brown sandy clay, small streak of gravel, tight	Sc, g	80, 20	4	253.3
Brown sandy clay and white rock, hard	Sc, r	60, 40	59	155.8
Brown clay, hard	C	100	5	0.0
Brown clay and white rock, hard	C	100	20	0.0
Yellow clay and shale, hard	C	100	10	0.0
			Total Transmissivity:	409.0

Table 4: Lithology, KGS Well ID 419032

Driller's Description	Synonymy Codes	Percentages	Saturated Thickness (Feet)	Transmissivity (feet²/day)
Top soil	Above water surface			
Brown clay				
Brown clay and white rock, tight				
Fine to medium sand and gravel, loose				
Brown clay				
Fine to medium sand and gravel, loose				
Brown clay				
Brown sandy clay with 35% gravel, loose	Sc, g	65, 35	5	537.6
Fine to medium sand and gravel with 20% clay, loose	Fmsnd, g, c	50, 30, 20	19	1846.8
Brown and gray clay with small streaks of white rock, tight	C	100	11	0.0
Brown sandy clay with 30% gravel, fairly loose	Sc, g	70, 30	15	1391.7
Fine to medium sand and gravel, loose	Fmsnd, g	60, 40	13	1671.8
Brown and gray clay, tight, with white rock	C	100	20	0.0
Brown gray and yellow clay, hard	c	100	12	0.0
			Total Transmissivity:	5447.9

Table 5: Lithology, KGS Well ID 324232

Driller's Description	Synonymy Codes	Percentages	Saturated Thickness (Feet)	Transmissivity (feet²/day)
Silt	Above water surface			
Sandy clay, caliche, and sand				
Clay and limestone				
Sand and clay				
Sandy clay				
Sand and clay				
Clay				
Sand, clay, and gravel				
Sand and clay				
Sandy clay				
Sand, fine gravel, and clay				
Sand and clay				
Clay				
Sand	Snd	100	2	126.0
Sandy clay, limestone, and sand	Sc, ca, snd	50, 30, 20	16	236.8
Clay, fine sand, and limestone	C, fsnd, ca	50, 30, 20	22	99.0
Sandy clay and limestone	Sc, ca	60, 40	11	29.0
Sandy clay, fine sand, and limestone	Sc, fsnd, ca	50, 30, 20	13	87.1
Fine sand	Fsnd	100	8	120.0
Fine sand and sandy clay	Fsnd, sc	60, 40	41	441.2
Rock and sand	R, snd	60, 40	11	277.2
Clay and caliche	C, ca	60, 40	11	0.0
shale	sh	100	9	0.0
			Total Transmissivity:	1416.3

Table 6: Lithology, KGS Well ID 39587

Driller's Description	Synonymy Codes	Percentages	Saturated Thickness (Feet)	Transmissivity (feet²/day)
Clay	Above water surface			
Sandy clay, caliche, and limestone				
Fine sand, medium sand, and clay				
Medium sand, fine gravel, and medium gravel				
Sandy clay, clay, and limestone				
Clay				
Sandy clay and sand				
Medium sand, fine gravel, and clay				
Clay				
Sandy clay	Sc	100	5	22.0
Sandy clay, sand, and limestone	Sc, snd, ca	50, 30, 20	14	295.4
Limestone, sandy clay, and fine sand	Ca, sc, fsnd	50, 30, 20	12	51.8
Sandy clay and limestone	Sc, ca	60, 40	18	47.5
Fine sand, sandy clay, and limestone	Fsnd, sc, ca	50, 30, 20	12	105.8
Sandy clay, limestone, and fine sand	Sc, ca, fsnd	50, 30, 20	18	93.6
Fine sand and sandy clay	Fsnd, sc	60, 40	29	312.0
Fine sand, medium sand, and gravel	Fsnd, snd, g	50, 30, 20	4	344.8
Clay and shale	C	100	14	0.0
shale	sh	100	13	0.0
			Total Transmissivity:	1273.0

Table 7: Lithology, KGS Well ID 39586

Driller's Description	Synonymy Codes	Percentages	Saturated Thickness (Feet)	Transmissivity (feet²/day)
Top soil	Above water surface			
Brown clay, caliche, and fine sand streaks				
Small, coarse sand and cemented stringers				
Brown clay				
Small, coarse sand with small gravel and cemented stringers				
Clay and small sand streaks				
Fine to medium sand with few clay streaks and cemented stringers	Fmsnd, c, cesd-cg	60, 20, 20	41	487.9
Clay, lime rock, and few fine sand streaks	C, ca, fsnd	60, 30, 10	60	90.0
Clay, lime rock, and few fine sand streaks	C, ca, fsnd	50, 30, 20	32	96.0
Small, coarse sand, with brown gravel and clay	Snd, g, c	60, 20, 20	20	1952.0
Red bed	rb	100	10	0.0
			Total Transmissivity:	2625.9

Table 8: Lithology, KGS Well ID 329569

Driller's Description	Synonymy Codes	Percentages	Saturated Thickness (Feet)	Transmissivity (feet²/day)
Silt	Above water surface			
Sandy clay, caliche, and sand				
Sand				
Sandy clay				
Sand				
Clay, sand, and limestone				
Sand, fine gravel, and medium gravel				
Clay and limestone				
Sand and clay				
Clay and sand				
Sand and clay				
Sandy clay, limestone, and sand				
Sand and clay				
Sand, fine gravel, and clay				
Sandy clay and clay	Sc, c	60, 40	15	39.6
sandy clay, limestone, and clay	Sc, ca, c	50, 30, 20	9	19.8
Sand, fine gravel, and medium gravel	Snd, g	50, 50	11	1991.0
Sandy clay, limestone, and sand	Sc, ca, snd	50, 30, 20	89	1317.2
Fine sand, medium sand, and clay	Fsnd, snd, c	50, 30, 20	16	422.4
Caliche, sandstone, and limestone	Ca, ds	70, 30	10	13.2
Caliche and limestone	Ca	100	7	0.0
shale	sh	100	13	0.0
			Total Transmissivity:	38.302

Table 9: Theis drawdown evaluated at Domestic Well in 30S30W34NWSW; T = 2468 ft²/day, S = 0.0011

Scenario	Distance (FT)	Pump Rate (GPM)	Volume (AF)	Drawdown (FT)	Drawdown (%ST)
Proposed	3837.5	2150.0	752.0	56.5	92.5%
Baseline	4284.9	765.0	253.0	18.6	30.4%
			Net:	38.0	62.1%

Table 10: Theis drawdown evaluated at File No. 30,169; T = 2468 ft²/day, S = 0.0011

Scenario	Distance (FT)	Pump Rate (GPM)	Volume (AF)	Drawdown (FT)	Drawdown (%ST)
Proposed	2620.7	2150.0	752.0	66.6	108.9%
Baseline	2899.7	765.0	253.0	22.2	36.3%
			Net:	44.4	72.6%

Table 11: Theis drawdown evaluated at File No. 33,246; T = 2468 ft²/day, S = 0.0011

Scenario	Distance (FT)	Pump Rate (GPM)	Volume (AF)	Drawdown (FT)	Drawdown (%ST)
Proposed	2615.3	2150.0	752.0	66.6	109.0%
Baseline	2973.3	765.0	253.0	22.0	35.9%
			Net:	44.7	73.1%

Table 12: Theis drawdown evaluated at Domestic Well in 30S30W33SESE; T = 2468 ft²/day, S = 0.0011

Scenario	Distance (FT)	Pump Rate (GPM)	Volume (AF)	Drawdown (FT)	Drawdown (%ST)
Proposed	2015.4	2150.0	752.0	73.5	120.3%
Baseline	2411.1	765.0	253.0	23.9	39.2%
			Net:	49.6	81.2%

Table 13: Theis drawdown evaluated at Domestic Well in 30S30W33SESE; T=2468 ft²/day, S=0.0011; Rate=689 GPM

Scenario	Distance (FT)	Pump Rate (GPM)	Volume (AF)	Drawdown (FT)	Drawdown (%ST)
Proposed	2015.4	2150.0	752.0	36.2	59.1%
Baseline	2411.1	765.0	253.0	23.9	39.2%
			Net:	12.2	20.0%

Table 9: Theis drawdown evaluated at Domestic Well in 30S30W34NWSW; T = 2468 ft^2/day, S = 0.0011

Scenario	Distance (FT)	Pump Rate (GPM)	Volume (AF)	Drawdown (FT)	Drawdown (%ST)
Proposed	3837.5	2150.0	752.0	56.5	92.5%
Baseline	4284.9	765.0	253.0	18.6	30.4%
			Net:	38.0	62.1%

Table 10: Theis drawdown evaluated at File No. 30,169; T = 2468 ft^2/day, S = 0.0011

Scenario	Distance (FT)	Pump Rate (GPM)	Volume (AF)	Drawdown (FT)	Drawdown (%ST)
Proposed	2620.7	2150.0	752.0	66.6	108.9%
Baseline	2899.7	765.0	253.0	22.2	36.3%
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Baseline	2973.3	765.0	253.0	22.0	35.9%
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Baseline	2411.1	765.0	253.0	23.9	39.2%
			Net:	12.2	20.0%

WATER MANAGEMENT
FOR SOUTHWEST
KANSAS

GMD3

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

March 18, 2024

Michael A. Meyer
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 Nos. 15465

Dear Mike:

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 (3.5 ft with saturated thickness is between 150-200ft), or if no well with a net well-to-well effect exceeding the threshold is identified as critical. Critical wells are identified as wells that are expected to either lose or greatly diminish water supply over the next 25 years. The attached review information is based on a Theis analysis using inputs from the GMD3 aquifer model, which is considered to be the best information on well and aquifer data readily and easily available to the public. If either the applicant or the neighbors believe they have better data that might change the result of the analysis, they should contact GMD3. Conclusions of the well analysis may change if better information on well and aquifer data can be made available.

Every neighboring well within 1 mile of the proposed move was evaluated. Evaluations showed that some of the neighboring wells exceeded the net effect above the maximum allowable threshold and needed further evaluation. Critical wells were determined possible in the area if the proposed well pumped at full authority. Part of the effects can also be attributed to the fact that the water right being moved has reported minimal pumping the last several years in a low saturated thickness area. We did not receive any comments from neighboring well owners. Therefore, GMD3 sees these moves as meeting current rules and would recommend approval with better information given to ensure that neighboring wells are not adversely affected. 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).: 15465. DWR office: GC.
App filed to change: PD.
Is Landowner(s) correct in WRIS: Clawson Land Partnership.
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) 01 being changed.

	ft. North	ft. West	
Authorized PD	4950	2640	Sect 5-31-30
Proposed PD	5240	2286	
Difference	-290 n	354 e	
a2 + b2 = c2	84100	125316	457.6199 foot move NE

GPS for proposed PD: Lat: 37.38743 Long: -100.60620.
Is proposed PD stacking on existing WRs? No.
Is Proposed PU overlapping existing WRs? No Change.
Neighboring certified well(s) notified: __.
Name Gordon & Eldeana Winfrey (4214, 8911, domestic NE of 33).
Address 6090 4 RD.
Zip Plains, KS 67869.
Email: gwew14@outlook.com Phone: ___.

Name Troy Winfrey (14185, domestic SW of 4).
Address PO Box 307.
Zip Plains, KS 67869.
Email: troy@tntstitch.com Phone: .

Name D Leon Winfrey (15165, 15729, 30169, domesticSE of 33).
Address 6199 4 RD.
Zip Plains, KS 67869.
Email: leonandflyingw@hotmail.com Phone: .

Name Farmers National Company TR Real Estate (33246).
Address PO Box 38.
Zip Cimarron, KS 67835.
Email: cowens@farmersnational.com Phone: .

Domestic well(s) notified: __.
Name __.
Address __.

GMD3 Change Review

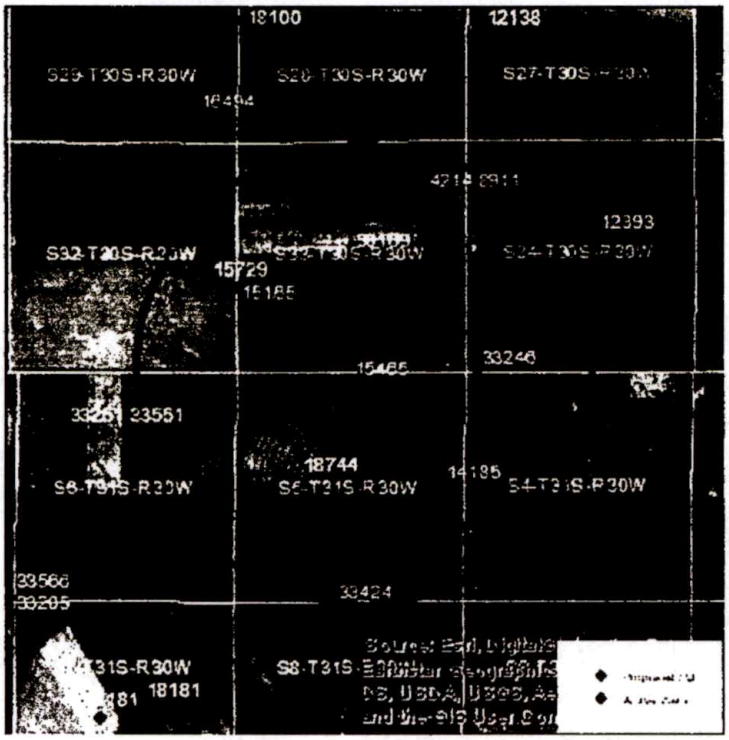
Zip __.

Base Acres: __.
Perfected Acres: __.
Irr. Return-Flow ___%
Meade County
Authorized 752AF @ 2150gpm
2020 GMD3 inspection showed calculated flow of 531gpm
Recent Avg reported water use (2013-2022): 299.8AF/year
600gpm reported on 2017 WUR

Is a waiver needed: Move is less than half mile and minimum spacing to neighboring wells appears met. Critical wells possible in area due to the already slightly higher declines seen in the area.
Recommendation: After review of all available information, it appears current area rules are met. Drawdown has seen declines. Staff would recommend approval with DWR results showing neighboring wells will not be adversely effected.

Evaluation of proposed move for Water Right No. 15465

Proposed: Move water right no. 15465 to a new well location, 454 ft to the northeast.



Wells within 1 mile: 15165 & 15729, 30169, 4214 & 8911, 18744, 14185, and 33246.

The saturated thickness at the proposed well location is estimated to be 172 ft, based upon the GMD3 model. For saturated thickness between than 150 ft and 200 ft, the drawdown allowance is 3.5 ft.

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

S = 0.1798, T = 6291 ft^2/day, $tp_{current}$ = 128 days, $Q_{current}$ = 531 gpm, $tp_{proposed}$ = 79 days, $Q_{proposed}$ = 2150 gpm

Theis drawdowns were calculated as follows:

15165 & 15729: Drawdown from current location = 2.42 ft

Drawdown from proposed location = 6.02 ft

Net drawdown = **3.6 ft**

30169: Drawdown from current location = 2.68 ft

Drawdown from proposed location = 7.44 ft

Net drawdown = **4.8 ft**

4214 & 8911:	Drawdown from current location = 1.87 ft
	Drawdown from proposed location = 4.95 ft
	Net drawdown = **3.1 ft**
18744:	Drawdown from current location = 2.96 ft
	Drawdown from proposed location = 6.94 ft
	Net drawdown = **4.0 ft**
14185:	Drawdown from current location = 2.30 ft
	Drawdown from proposed location = 5.92 ft
	Net drawdown = **3.6 ft**
33246:	Drawdown from current location = 2.64 ft
	Drawdown from proposed location = 7.45 ft
	Net drawdown = **4.8 ft**

Net drawdown exceeds the drawdown allowance for the wells authorized under water right nos. 15165 & 15729, 30169, 18744, 14185, and 33246. Critical well analysis was performed for those wells.

Critical Well Evaluation:

15165 & 15729:

Water Column = 178 ft

DP = 3.6 ft (Net drawdown from the proposal indicated above)

DE = 55.4 ft (Water level decline from 2024 through 2049 based upon GMD3 model)

DD = 14.8 ft (S = 0.2807, T = 14,398 ft^2/day, Q = 607 gpm, tp = 85 days, efficiency = 70%)

DT = 73.8 ft

Economic Drawdown Constraint (EDC) = 0.4 * 178 ft = 71.2 ft

Physical Drawdown Constraint (PDC) = 178 ft – 60 ft = 118.0 ft

Total drawdown of 73.8 ft is greater than the EDC, so this well is critical.

30169:

Water Column = 178 ft

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

DE = 55.4 ft (Water level decline from 2024 through 2049 based upon GMD3 model)

DD = 14.5 ft (S = 0.2807, T = 14,398 ft^2/day, Q = 600 gpm, tp = 71 days, efficiency = 70%)

DT = 74.7 ft

Economic Drawdown Constraint (EDC) = 0.4 * 178 ft = 71.2 ft

Physical Drawdown Constraint (PDC) = 178 ft – 60 ft = 118.0 ft

Total drawdown of 74.7 ft exceeds the EDC, so this well is critical.

18744:

Water Column = 172 ft

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

DE = 54.6 ft (Water level decline from 2024 through 2049 based upon GMD3 model)

DD = 35.9 ft (S = 0.1798, T = 6291 ft^2/day, Q = 372 gpm, tp = 125 days, efficiency = 70%)

DT = 79.4 ft

Economic Drawdown Constraint (EDC) = 0.4 * 172 ft = 68.8 ft

Physical Drawdown Constraint (PDC) = 172 ft – 60 ft = 112.0 ft

Total drawdown of 79.4 ft exceeds the EDC, so this well is critical.

14185:

Water Column = 176 ft

DP = 3.6 ft (Net drawdown from the proposal indicated above)

DE = 49.8 ft (Water level decline from 2024 through 2049 based upon GMD3 model)

DD = 35.9 ft (S = 0.177, T = 4292 ft^2/day, Q = 452 gpm, tp = 106 days, efficiency = 70%)

DT = 89.3 ft

Economic Drawdown Constraint (EDC) = 0.4 * 176 ft = 70.4 ft

Physical Drawdown Constraint (PDC) = 176 ft – 60 ft = 116.0 ft

Total drawdown of 89.3 ft is greater than the EDC, so this well is critical.

33246:

Water Column = 176 ft

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

DE = 49.8 ft (Water level decline from 2024 through 2049 based upon GMD3 model)

DD = 33.7 ft (S = 0.177, T = 4292 ft^2/day, Q = 421 gpm, tp = 120 days, efficiency = 70%)

DT = 88.3 ft

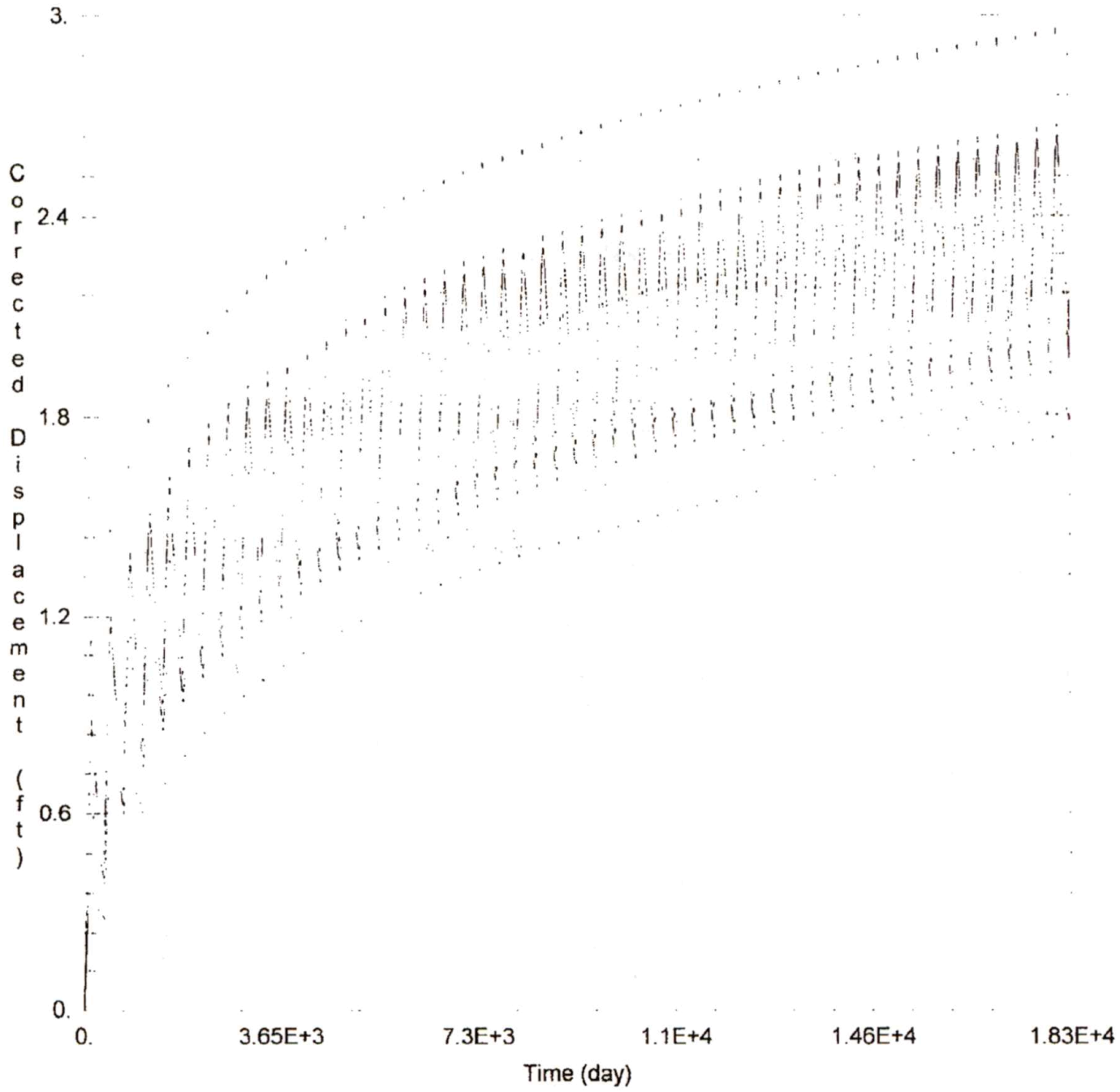
Economic Drawdown Constraint (EDC) = 0.4 * 176 ft = 70.4 ft

Physical Drawdown Constraint (PDC) = 176 ft – 60 ft = 116.0 ft

Total drawdown of 88.3 ft is greater than the EDC, so this well is critical.

Conclusion:

The proposed move is in an area with more than 170 ft of remaining saturated thickness, but projected aquifer declines exceed 2 ft/year. The analysis shows that net well-to-well effects created by this proposal are likely to be small but noticeable. Nearby wells were flagged as critical because projected aquifer declines over the next 25 years amount to more than 40% of the remaining saturated thickness after accounting for the well drawdown necessary to provide for current water use. Concerned neighbors should contact GMD3 at (620) 275-7147 or the Division of Water Resources at (620) 276-2901.



WELL TEST ANALYSIS

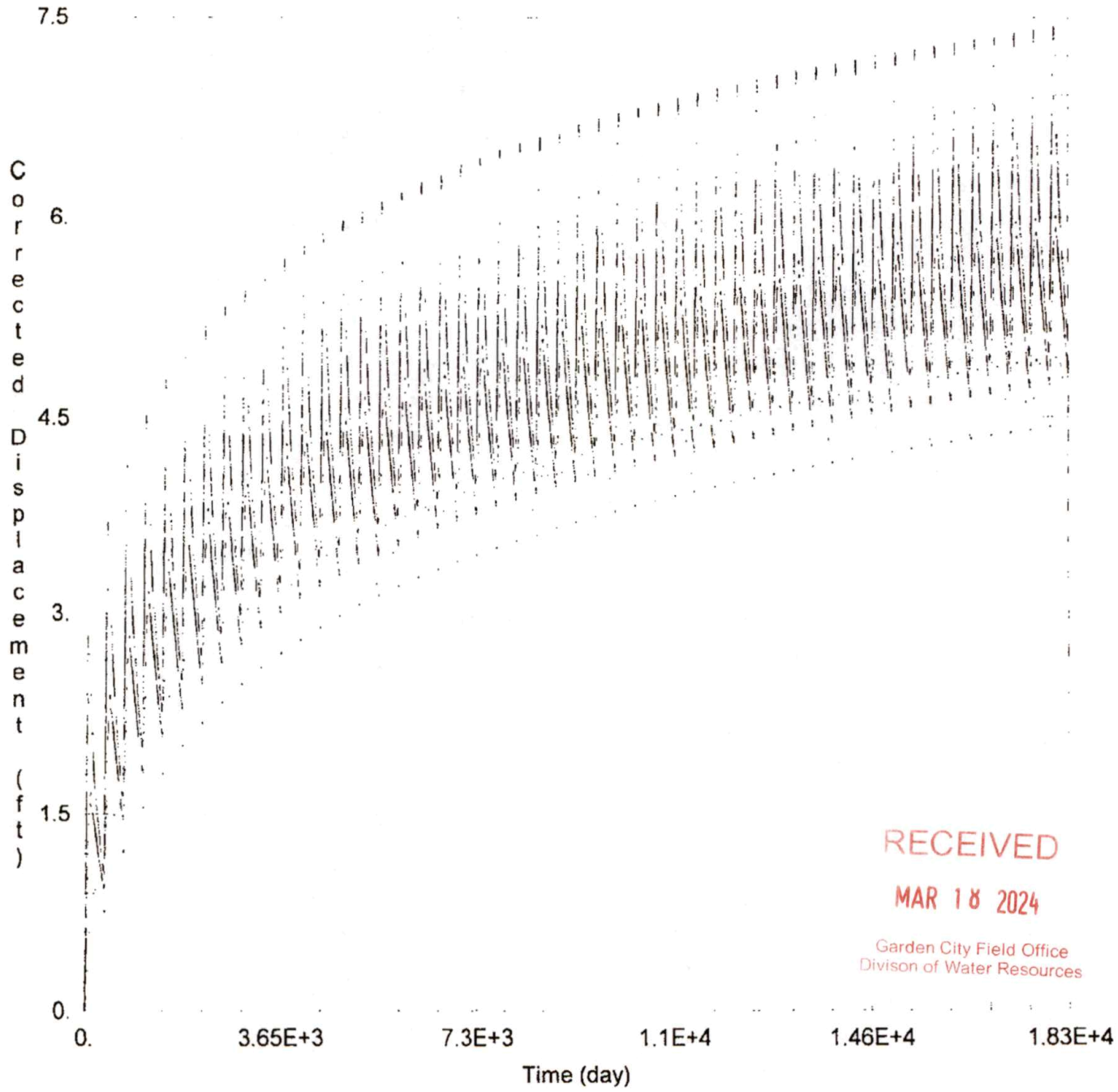
Data Set: C:\Users\trevora\Documents\2024_moves\15465\15465 Current.aqt
Date: 03/07/24 Time: 11:44:01

PROJECT INFORMATION

Company: GMD 3
Project: 15465
Location: Meade County

WELL DATA

Pumping Wells			Observation Wells		
Well Name	X (ft)	Y (ft)	Well Name	X (ft)	Y (ft)
15465	55798	186341		55798	186341
			15165 & 15729	53236	188593



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2024_moves\15465\15465 Proposed.aqt
Date: 03/07/24 Time: 11:43:56

PROJECT INFORMATION

Company: GMD 3
Project: 15465
Location: Meade County

WELL DATA

Pumping Wells			Observation Wells		
Well Name	X (ft)	Y (ft)	Well Name	X (ft)	Y (ft)
15465	56146	186633		56146	186633
			15165 & 15729	53236	188593

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

Kansas
Department of Agriculture
Division of Water Resources

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

Mike Beam, Secretary

Laura Kelly, Governor

March 4, 2024

DARRELL WINFREY
6199 4 ROAD
PLAINS KS 67869

Re: Application for Change, Water Right, File No. 15465

Dear Sir and Madam:

This is to advise you that Clawson Land Partnership has filed an application for approval of the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, for change in point of diversion under the above referenced application.

You can find the complete application posted by water right file number as referenced above at www.agriculture.ks.gov/divisions-programs/dwr/water-appropriation/notices

You are notified of this proposal so that you may furnish this office with any comments or other information you may 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 to call this office. If you would prefer, an appointment could be arranged for additional assistance. Please refer to the file number when you contact us if you wish to discuss a specific file.
Sincerely,

Sincerely,

Michael A. Meyer
Water Commissioner

MAM

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

Kansas
Department of Agriculture
Division of Water Resources

Phone: 620-276-2901
Fax: 620-276-9315
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Mike Beam, Secretary

Laura Kelly, Governor

March 4, 2024

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

Re: Request for Recommendation
Water Right, File No. 15465

Dear Mr. Norquest:

This is to advise you that Clawson Land Partnership has filed an application for approval of the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, to change the point of diversion.

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

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

Sincerely,

Michael A. Meyer
Water Commissioner

MAM
Enclosures