

Kansas Department of Agriculture
 Division of Water Resources
CHANGE: PU WORKSHEET

1. File Number: 22854	2. Status Change Date: 1-30-19	3. Change Num: C2	4. Field Office: 04	5. GMD: 03
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6. Status: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied by DWR/GMD <input type="checkbox"/> Dismiss by Request/Failure to Return	7. Filing Date of Change: 12/26/18
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8a. Applicant(s) / Landowner New to system <input type="checkbox"/> DAVID T WALKER PO BOX 724 JOHNSON KS 67855	Person ID 18754 Add Seq# 1	8c. Landowner(s) New to system <input type="checkbox"/>	Person ID _____ Add Seq# 1
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8b. Landowner(s) New to system <input type="checkbox"/>	Person ID _____ Add Seq# _____	8d. WUC New to system <input type="checkbox"/>	Person ID _____ Add Seq# _____
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9. Documents and Enclosure(s): DWR Meter(s) Date to Comply: **12/31/19** N & P Date to Comply: _____

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: **1/29/19** By: **MAM**

Date Entered: _____ By: _____

File No. **22854** 11. County: **ST** Basin: **BEAR CREEK** Stream: _____ Formation Code: **211/330/400** Special Use: _____

12. Points of Diversion										Rate and Quantity				
CHK MOD DEL ENT	PDIV	Qualifier	S	T	R	ID	'N	'W	Comment (AKA Line)	Authorized		Additional		Overlap PD Files
										Rate gpm	Quantity af	Rate gpm	Quantity af	
ENT		SWNESW	4	27	42 W		1550'	3675'		1650	640	1650	640	
DEL	3849	CW	4	27	42W		2600'	5200'		1650	640	1650	640	

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 _____

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

Base Acres: _____ Year: _____ Minimum Reasonable Quantity: _____
 Comments: **additional condition limiting the total depth to 692 feet.**

Garden City Field Office
2508 Johns Street
Garden City, KS 67846-2804



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

Mike Beam, Interim Secretary

Laura Kelly, Governor

January 30, 2019

DAVID T WALKER
PO BOX 724
JOHNSON KS 67855

RE: Water Right, File No. 22854

Dear Sir:

Enclosed is an order executed by the designee of the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, approving the applications 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. Please note the additional condition limiting the depth of the well and grouting requirements below that depth. It is highly recommended as noted in the information provided to you by Southwest Kansas Groundwater Management District No. 3 to consider all recommendations, including grout between the upper formation for water quality issues, and all other well construction requirements in rules and regulations of the Kansas Department of Health and Environment contained in Article 30. Another condition of this approval is that acceptable water flowmeter 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 this order modifies the original document referred to above, it should be recorded with the Register of Deeds as other instruments affecting real estate.

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

Sincerely,

A handwritten signature in blue ink that reads "Michael A. Meyer".

Michael A. Meyer
Water Commissioner

MAM:
enclosures

pc: GROUNDWATER MANAGEMENT DISTRICT NO. 3

CERTIFICATE OF SERVICE

On this 30th day of January, 2019, I hereby certify that the foregoing Approval of Application for Change in Point of Diversion, Water Right, File No. 22,854, dated 30th day of January, 2019 was mailed postage prepaid, first class, US mail to the following:

DAVID T WALKER
PO BOX 724
JOHNSON KS 67855

With photocopies to:

GROUNDWATER MANAGEMENT DISTRICT NO. 3



Division of Water Resources Staff

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

Call for address:

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

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



STATE OF KANSAS

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

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

File No. 22854

RECEIVED
 8:45 AM
DEC 12 2018

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: DAVID WALKER

PO BOX 724 JOHNSON. KS. 67855

Phone Number: () Email address: _____

Name and address of Water Use Correspondent: DAVID T WALKER

PO BOX 724 JOHNSON. KS. 67855

Phone Number: (620)492 2525 Email address: _____

3. The presently authorized place of use is:

Owner of Land ---- NAME: DAVID T WALKER

ADDRESS: PO BOX 724 JOHNSON. KS. 67855

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

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

4. If this application is for a change in place of use, it is proposed that the place of use be changed to:

Owner of Land ---- NAME: NO CHANGE

ADDRESS: _____

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

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

For Office Use Only: Code _____ Fee \$ <u>200.00</u> TR # _____ Receipt Date <u>12-12-18</u> Check # <u>6998</u>

5. **Presently authorized point of diversion:**
 One in the SW Quarter of the NE Quarter of the CW Quarter of Section 4, Township 27 South, Range 42 (W), in STANTON County, Kansas, 2600 feet North 5200 feet West of Southeast corner of section. Authorized Rate 1650 GPM Authorized Quantity 640AF Depth of well _____ (feet)
(DWR use only: Computer ID No. 4 GPS _____ feet North _____ feet West)
 This point will not be changed This point will be changed as follows: No change, point better described with GPS as follows:
Proposed point of diversion: (Complete only if change is requested or if existing point is better described by GPS)
 One in the SW Quarter of the NE Quarter of the SW Quarter of Section 4, Township 27 South, Range 42 (W), in STANTON County, Kansas, 1550 feet North 3675 feet West of Southeast corner of section. Proposed Rate 1650 GPM Proposed Quantity 640 AF x Am Proposed well depth (feet) _____
 This point is: Additional Well Geo Center List other water rights that will use this point _____

6. **Presently authorized point of diversion:**
 One in the _____ Quarter of the _____ Quarter of the _____ Quarter of Section _____, Township _____ South, Range _____ (E/W), in _____ County, Kansas, _____ feet North _____ feet West of Southeast corner of section. Authorized Rate _____ Authorized Quantity _____ Depth of well _____ (feet)
(DWR use only: Computer ID No. _____ GPS _____ feet North _____ feet West)
 This point will not be changed This point will be changed as follows: No change, point better described with GPS as follows:
Proposed point of diversion: (Complete only if change is requested or if existing point is better described by GPS)
 One in the _____ Quarter of the _____ Quarter of the _____ Quarter of Section _____, Township _____ South, Range _____ (E/W), in _____ County, Kansas, _____ feet North _____ feet West of Southeast corner of section. Proposed Rate _____ Proposed Quantity _____ Proposed well depth (feet) _____
 This point is: Additional Well Geo Center List other water rights that will use this point _____

7. The changes herein are desired for the following reasons?
 (please be specific) Lack of production on current location

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

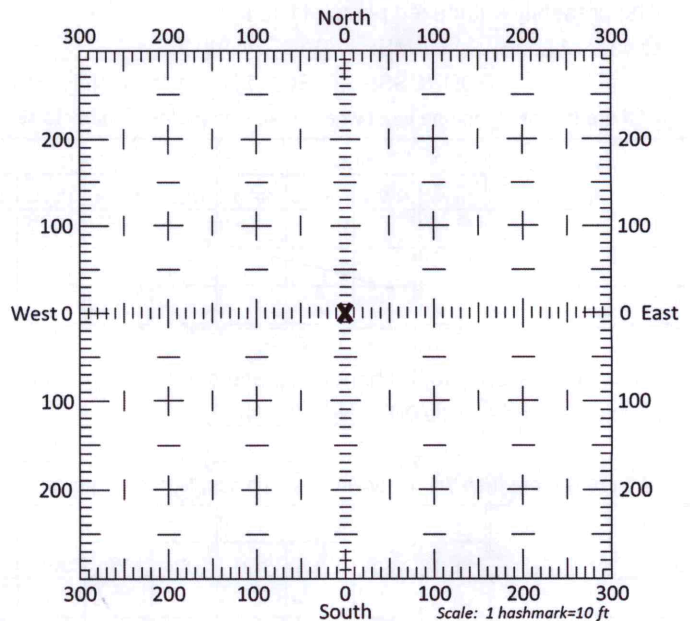
9. The change(s) (was)(will be) completed by?
10/18/2018

10. If the point of diversion is a well:
 (a) What are you going to do with the old well?
to be plugged or used as a domestic well
 (b) When will this be done? 10/18/2018

11. Groundwater Management District recommendation attached?
 Yes No

12. Assisted by cac

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



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

ADDITIONAL CONDITION TO
SUMMARY ORDER APPROVING APPLICATION FOR CHANGE
AND IMPOSING CONDITIONS,
Water Right, File No. 22,854

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.

That the well authorized by the application for change in point of diversion shall be screened no deeper than 692' below land surface. Any casing placed below 692' below land surface shall not be screened and the annular space outside of the casing below 692' below land surface shall be grouted according to rules and regulations promulgated by the Kansas Department of Health and Environment Article 30 so as to not allow production or migration of water from Permian Red Beds.

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: January 30, 2019

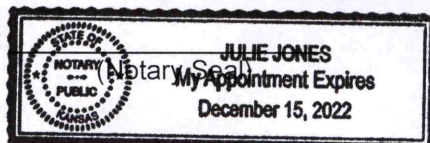
State of Kansas)
) SS
County of Finney)

Acknowledged before me on the 30th day of January 2019

By *Michael A. Meyer*

Signature *Julie Jones*
Notary Public

My Commission expires:



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 Warden City, Kansas, this 12th day of December, 20 18.

X David T. Walker
(Owner)

(Spouse)

David T. Walker
(Please Print)

(Please Print)

(Owner)

(Spouse)

(Please Print)

(Please Print)

(Owner)

(Spouse)

(Please Print)

(Please Print)

State of Kansas }
County of Finney } SS

I hereby certify that the foregoing application was signed in my presence and sworn to before me this 12th day of December, 20 18.



My Commission Expires

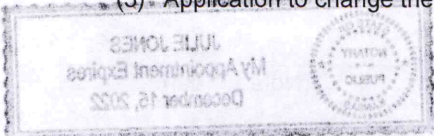
Julie Jones
Notary Public

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

FEE SCHEDULE

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

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



SUMMARY ORDER APPROVING APPLICATION FOR CHANGE AND IMPOSING CONDITIONS

This Summary Order is issued under authority of K.S.A. 82a-708b, as amended, and K.A.R. 5-5-1, *et seq.* and other applicable provisions of the *Kansas Water Appropriation Law, K.S.A. 82a-701 et. seq.*, and rules and regulations promulgated thereunder. With the exception of those conditions expressly contained herein, this Summary Order does not change the terms, conditions and limitations of File No. 22854.

1. A change application was received on December 12, 2018 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, 2019**, 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, 2019**, or within any authorized extension of time. By March 1, 2020 the applicant shall notify the Chief Engineer that construction of the works for diversion has been completed, on the form provided by the Chief Engineer, as required by K.A.R. 5-8-4e. Applicable Not Applicable
9. **The completed well log shall be submitted with the required notice.** Applicable Not Applicable
10. All diversion works into which any type of chemical or other foreign substance will be injected into the water shall be equipped with an in-line, automatic, quick-closing check valve capable of preventing pollution of the source of the water supply. The check valve(s) shall be installed, operated and maintained in accordance with K.A.R. 5-3-5c. Applicable Not Applicable
11. Additional Conditions are attached. Yes No
12. In accordance with K.S.A. 82a-708a, as amended, and K.A.R. 5-5-14, all of the owners of the authorized place(s) of use of water appropriated under the above-referenced file number are responsible for compliance with its terms, conditions and limitations, as amended and/or supplemented by this Summary Order, and with applicable provisions of the *Kansas Water Appropriation Law* and the *Rules and Regulations* promulgated thereunder. Failure to comply with these provisions may result in civil penalties pursuant to K.S.A. 82a-737, as amended, and/or the suspension or revocation and dismissal of the water or appropriation right or any other enforcement actions authorized by law.

Administrative Appeal and Effective Date of Order

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

For Use by Register of Deeds

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

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

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

Date of Issuance: January 30, 2019

State of Kansas)

County of Finney) SS

Acknowledged before me on January 30, 2019
by Michael A. Meyer

Signature: Julie Jones
Notary Public

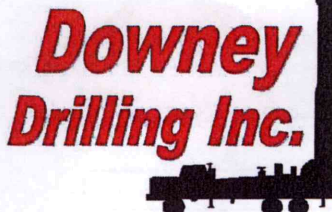
My commission expires: _____
(Notary Seal)



#22854

WELL LOG

DATE: 9/12/2018



RECEIVED

SEP 18 2018

Garden City Field Office
Division of Water Resources

CUSTOMER NAME: DAVID WALKER

LEGAL: NE/SW 4-27S-42W

COUNTY: STANTON

GPS: 37 43' 40.28" N

37.72785

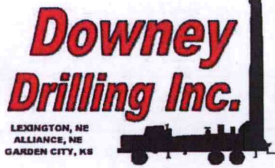
-101 55' 10.65" W

-101.919625

DRILLER: CHRIS P

WO: 18-523

TW	FROM	TO	TYPE	HARDNESS	COLOR	SPEED	PULL DOWN	OTHER / DRILLING ACTION
	0	1	TOP SOIL	SOFT	DARK	FAST		SMOOTH
	1	22	SILTY CLAY AND SOME SILT	SOFT	TAN	FAST		SMOOTH
	22	26	FINE-MEDIUM-COARSE SAND AND FINE GRAVEL	SOFT	RED	FAST		CHOPPY
	26	47	CLAY AND SILTY CLAY	SOFT	BROWN	FAST		SMOOTH
	47	54	FINE-MEDIUM-COARSE SAND AND FINE-TRACE OF MEDIUM GRAVEL	SOFT	RED	FAST		CHOPPY
	54	81	CLAY	SOFT	BROWN	FAST		SMOOTH
	81	102	FINE-MEDIUM-COARSE SAND, FINE GRAVEL, AND BROWN CLAY MIX	SOFT	BROWN	FAST		CHOPPY AT TIMES
	102	115	FINE-MEDIUM-COARSE SAND AND FINE GRAVEL	SOFT	RED	FAST		SLIGHT CHATTER
	115	136	BROWN CLAY	SOFT	BROWN	FAST		SMOOTH
	136	147	FINE-MEDIUM-COARSE SAND AND FINE GRAVEL	SOFT	RED	FAST		SLIGHT CHATTER
	147	154	CLAY	SOFT	BROWN	FAST		SMOOTH
	154	186	FINE-MEDIUM-COARSE SAND AND FINE GRAVEL	SOFT	RED	FAST		SLIGHT CHATTER
	186	202	CLAY	SOFT	BROWN	FAST		SMOOTH
	202	208	FINE-MEDIUM-COARSE SAND AND FINE GRAVEL	SOFT	RED	FAST		SLIGHT CHATTER
	208	250	CLAY	SOFT	BROWN	FAST		SMOOTH
	250	254	FINE-MEDIUM-COARSE SAND	SOFT	RED	FAST		SLIGHT CHATTER
	254	280	CLAY, FINE SAND LAYERS, AND A FEW CEMENTED LAYERS	FIRM	BROWN	SLOW		CHOPPY AT TIMES
	280	308	FINE SAND, SOME CLAY, AND A FEW CEMENTED LAYERS	FIRM	BROWN	SLOW		CHOPPY
	308	320	SHALE AND BROWN CLAY	FIRM	GRAY	SLOW		SMOOTH
	320	404	SHALE	FIRM	GRAY	SLOW		SMOOTH
	404	434	SANDSTONE, TRACE OF FINE SAND, AND A TRACE OF SHALE	FIRM	GRAY	SLOW		SMOOTH
	434	462	FINE SAND (TOOK LOTS OF WATER - 4 GEL AND 1 BRAN)	FIRM	GRAY	SLOW		SMOOTH
	462	494	CLAY, SHALE, AND SOAPSTONE	SOFT	TAN	FAST		SMOOTH
	494	513	FINE SAND	SOFT	TAN	FAST		SMOOTH
	513	522	RED BED (FALSE)	FIRM	RED	SLOW	X	SMOOTH
	522	560	FINE SAND, SOAPSTONE, AND CLAY	SOFT	TAN	FAST		SMOOTH
	560	565	THIN CLAY LAYER	FIRM	TAN	SLOW		SMOOTH
	565	692	FINE SAND AND A TRACE OF CLAY	SOFT	TAN	FAST		SMOOTH
	692	720	RED BED	FIRM	RED	SLOW	X	SMOOTH
			DRAG BIT					
			4 LOADS OF WATER					
			7 SACKS QUIK GEL, 1 SACK SODA ASH, AND 1 SACK OF BRAN					



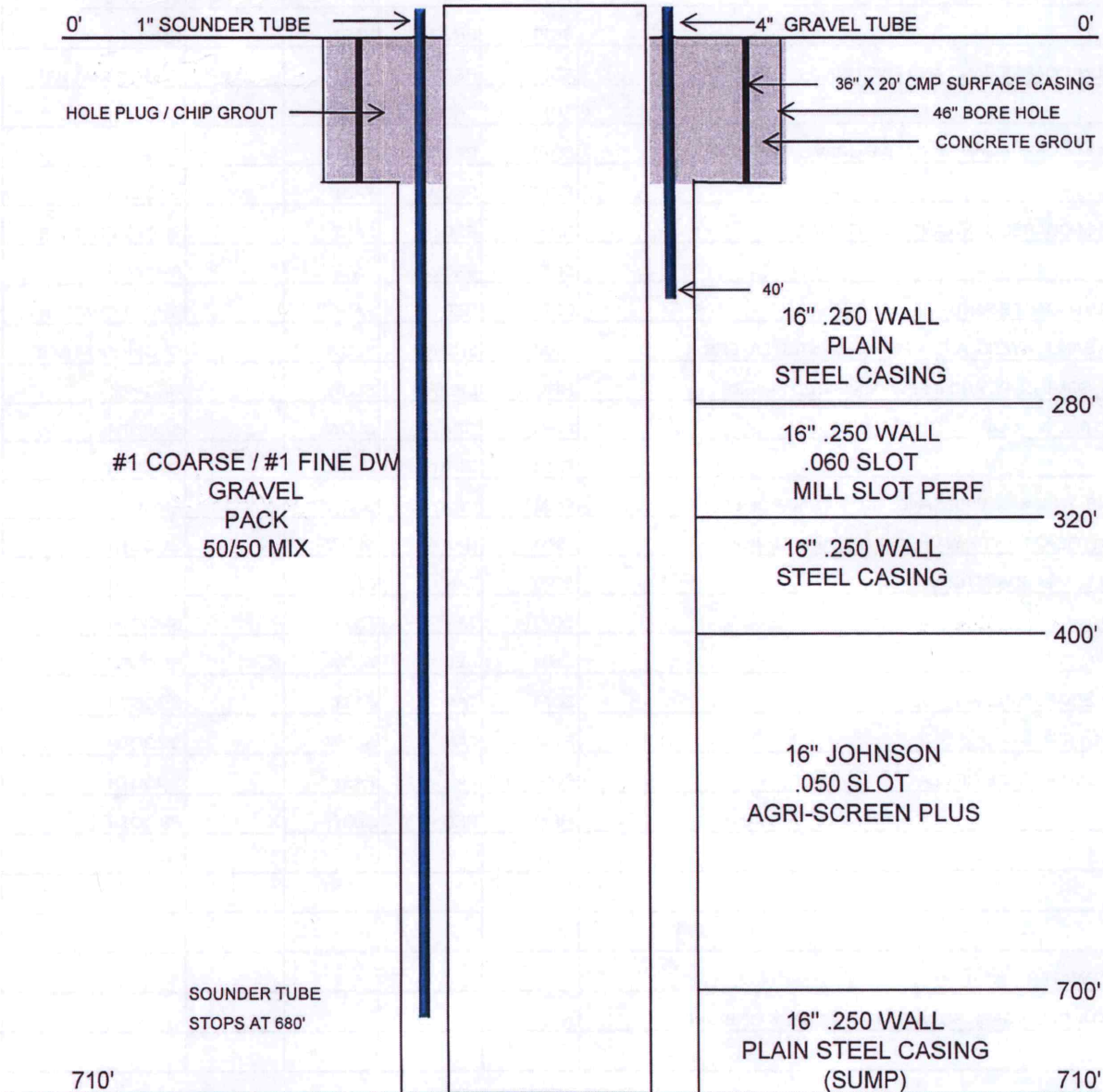
Well Design & Construction

Customer Name: DAVID WALKER
Legal: NE/SW 4-27S-42W **County:** STANTON
G.P.S.: 37 43' 40.28" N **Date:** _____
-101 55' 10.65" W **WO #:** _____

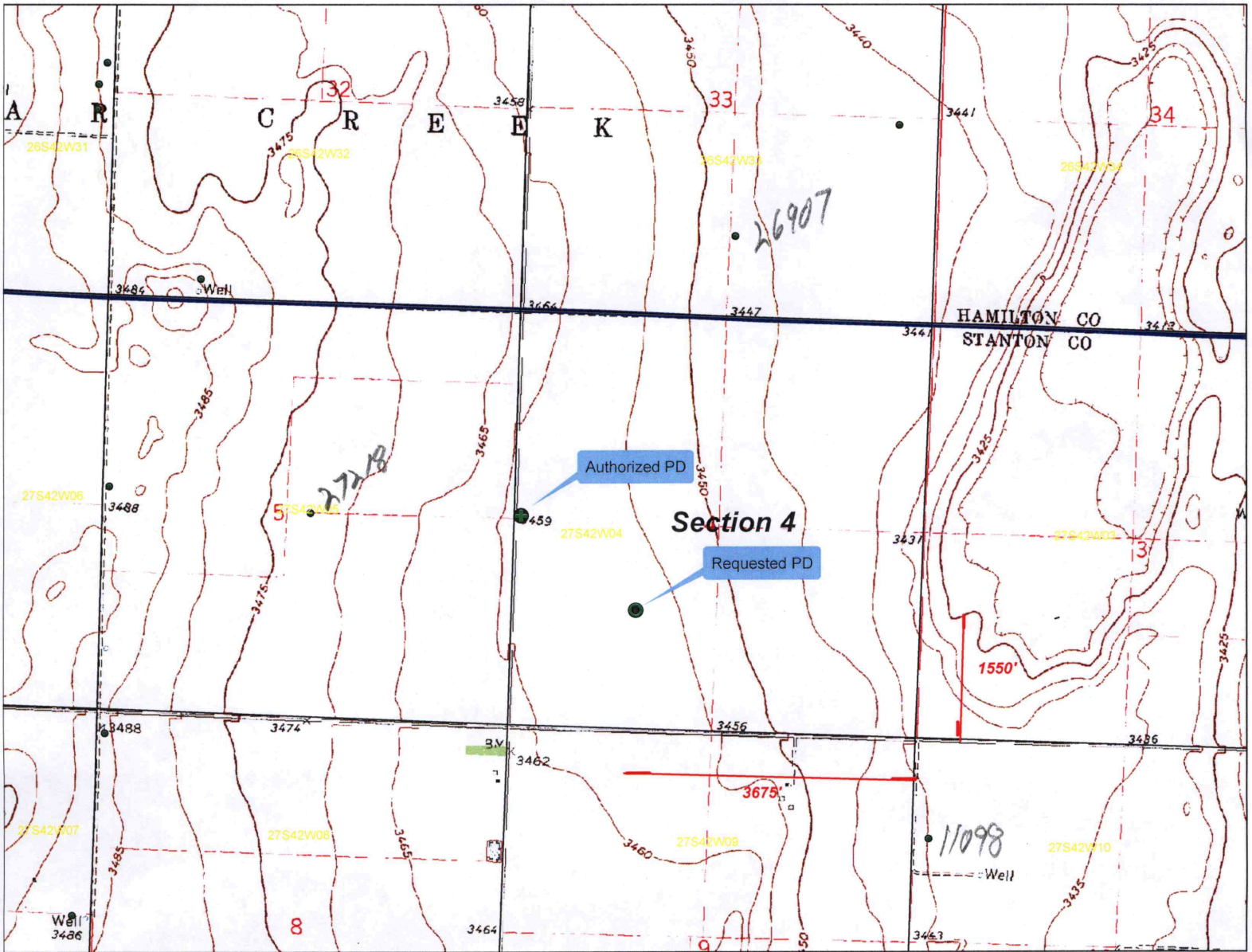
DRILLER: _____ **WATER SUPPLY:** IRRIGATION WELL
HELPER(S): _____ **DRILLING RIG:** M-100
BOREHOLE DIAMETER: 30" **DRILLING METHOD:** REVERSE CIRCULATION
CASING DIAMETER: 16" **QUIKGEL:** _____ **HOLE PLUG:** 20'+
TOTAL WELL DEPTH: 710' **GRAVEL:** 160 TON #1 COARSE / #1 FINE DW 50/50 MIX
DRILLING FLUID: _____ **GRAVEL SUPPLIER:** HUBER
ADDITIONAL INFO: _____

**GROUT
AND
GRAVEL**

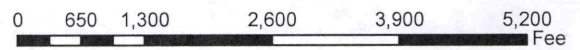
**SCREEN AND
CASING**



Point of Diversion Change
File No(s). 22854
T27 R42 Stanton Co.

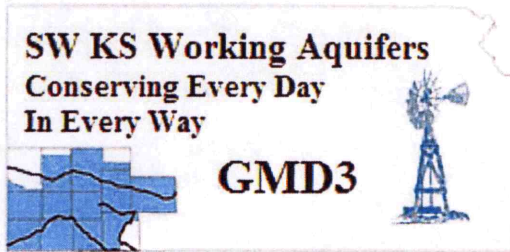


(2006 Scaled air photo)



- Authorized PD
- Requested PD
- Point of Diversion





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

January 29, 2019

David Walker, Applicant, PO Box 724, Johnson, KS 67855
Hazel M. Russell, neighbor well, 401 S Quivira St., Montezuma, KS 67867
Glenn Pauls, neighbor well, PO Box 247, Johnson, KS 67855
Mike Meyer, Water Commissioner, 2508 Johns St., Garden City, KS 67846

RE: GMD3 Change App. Review
Water Right, File No. 22,854

Dear Members and Water Commissioner,

Attached please find the technical memorandum resulting from the GMD3 staff review of the above referenced application to relocate a deep irrigation well near the Stanton and Hamilton County line. In the interest of shortening the review time, we are providing this to each member with a well in the immediate area (within one mile) and to DWR at the same time. The purpose of the memo is to provide information to the application review process to be considered.

You, the Water Commissioner and others are key partners in local groundwater management program activities. You are the water users with private property rights. Lawful review and science-based evaluations of local supply are important to appropriate review of prior right claims and public interest with due consideration of critical wells and declining local sources of supply. For questions of the technical memo, please contact Trevor or me. For information on the latest draft revision of the GMD3 management program, see our website or give us a call. Thank you for your part in wise management and use of groundwater. Please let us know if you have any questions.

Sincerely,

A handwritten signature in black ink that reads "Mark E. Rude".

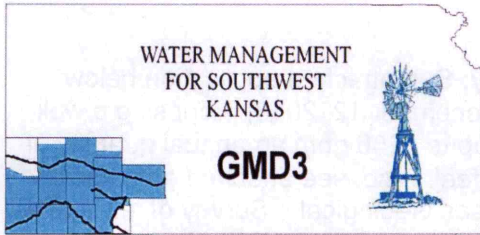
Mark Rude
Executive Director

Attachment: GMD3 22854 technical memorandum

RECEIVED

JAN 29 2019

Garden City Field Office
Division of Water Resources



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

Technical Memo

To: Members and Files
From: Trevor Ahring, PE and Mark Rude, LG
cc: Mike Meyer, Water Commissioner, KDA/DWR
Date: January 26, 2019
Re: Proposed well relocation, Water Right, File No. 22,854

Summary: The attached application proposes a deeper well seeking the same maximum annual quantity of 640 AF at a maximum authorized rate of 1650 GPM, with the present well retained for a domestic water supply. Minimum well spacing standards by rule for wells in the High Plains Aquifer are met. Well spacing will be improved to two of the three wells within a one-mile radius evaluation area.

The owner of the third well to the southeast is expected to experience the greatest additional effect and has water rights 11098 & 13365 and is a critical well. The owner indicated in a phone conversation he had his well in the EQIP program and had no concern with the proposal. The proposed well will be the only well in the evaluation area accessing the deep Morrison-Dockum (DM) formations of unknown (presumed poor) water quality but considered part of the High Plains Aquifer. Evaluation data was limited as the GMD3 model did not include the deeper bedrock formations proposed as supply.

Reasonable aquifer characteristics were estimated based on the drillers logs for analytical purposes and two sets of calculations were made based on the requested rate and quantity and then a more reasonable estimate of an anticipated yield of 300 GPM. Both sets of calculations indicated critical well effects, but a reduction in well operation will reduce well effects. A key question will be the extent the zones are directly hydraulically connected, which may add to well yield of the proposed well and critical well effects on the neighboring wells.

Up-front well construction concerns exist to include staying out of upper Permian formation, water quality differences and well annular space seal between Ogallala and deeper aquifer formations.

GMD3 Review Process: Permanent water right change.

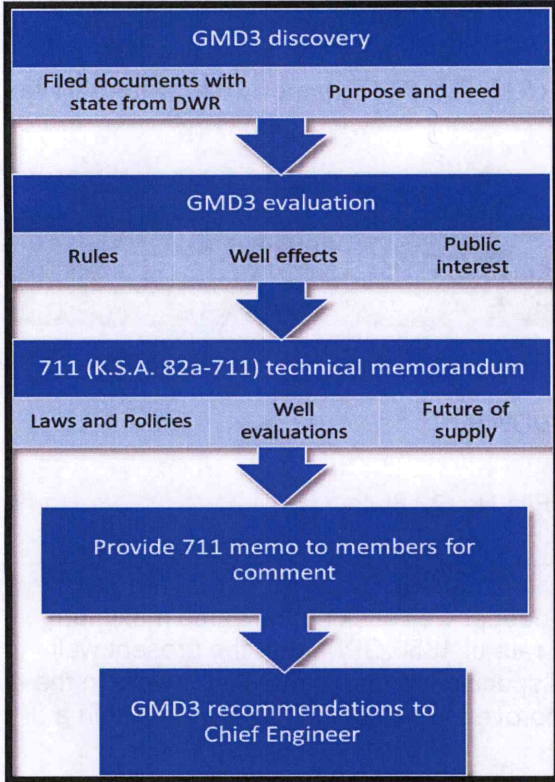
K.S.A. 82a-708b provides that any water right owner may change aspects of a water right without loss of priority if they accomplish all the following:

- a. Submit application on prescribed form with prescribed fee;
- b. demonstrate same local source of supply;
- c. demonstrate will not impair other water rights; and
- d. receive approval from chief engineer. The chief engineer shall do so in accordance with the provisions and procedures for processing original applications, including K.S.A. 82a-711. Most notably, to not prejudicially and unreasonably affect the public interest.

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Division of Water Resources



Discovery: See attached application below filed on December 12, 2018, proposing a well to pump up to 1650 gpm an annual quantity of 640 acre-feet. Also, see attached email below from Kansas Geological Survey of 1/25/2019 (Don Whittemore donwhitt@kgs.ku.edu) providing geological interpretation of strata and water quality (Note Township typo for proposed subject well). Also, see page 35 of draft GMD3 management program at <http://www.gmd3.org/wp-content/uploads/2019/01/GMD3PROPOSED-MP-revised011619.pdf>

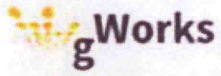
Evaluation. The GMD3 fact finding and well evaluations found critical well status for all three neighboring wells, based on the requested present authorized rate and quantity. Even with a more realistic projected well yield of 300 gpm applied in alternative evaluation calculations, the well effects indicate critical well concerns. The proposed pumping is likely to add negative effects on one or more neighboring wells already experiencing significantly diminishing well yields from nearly

dewatered Ogallala Aquifer (26') and the lower yielding hydraulically connected Dakota Aquifer System supply. The proposed well will add several hundred feet of deeper shale and sandstone formation seeking what is estimated to include Morrison-Dockum Aquifer system supply, for a total depth of more than 700 feet of nearly continuously screened casing below. All three area well yields have declined significantly with the historical dropping water levels. Their future yield and ability to satisfy associated water rights is expected to be further reduced as a result of the proposed well over the evaluation period.

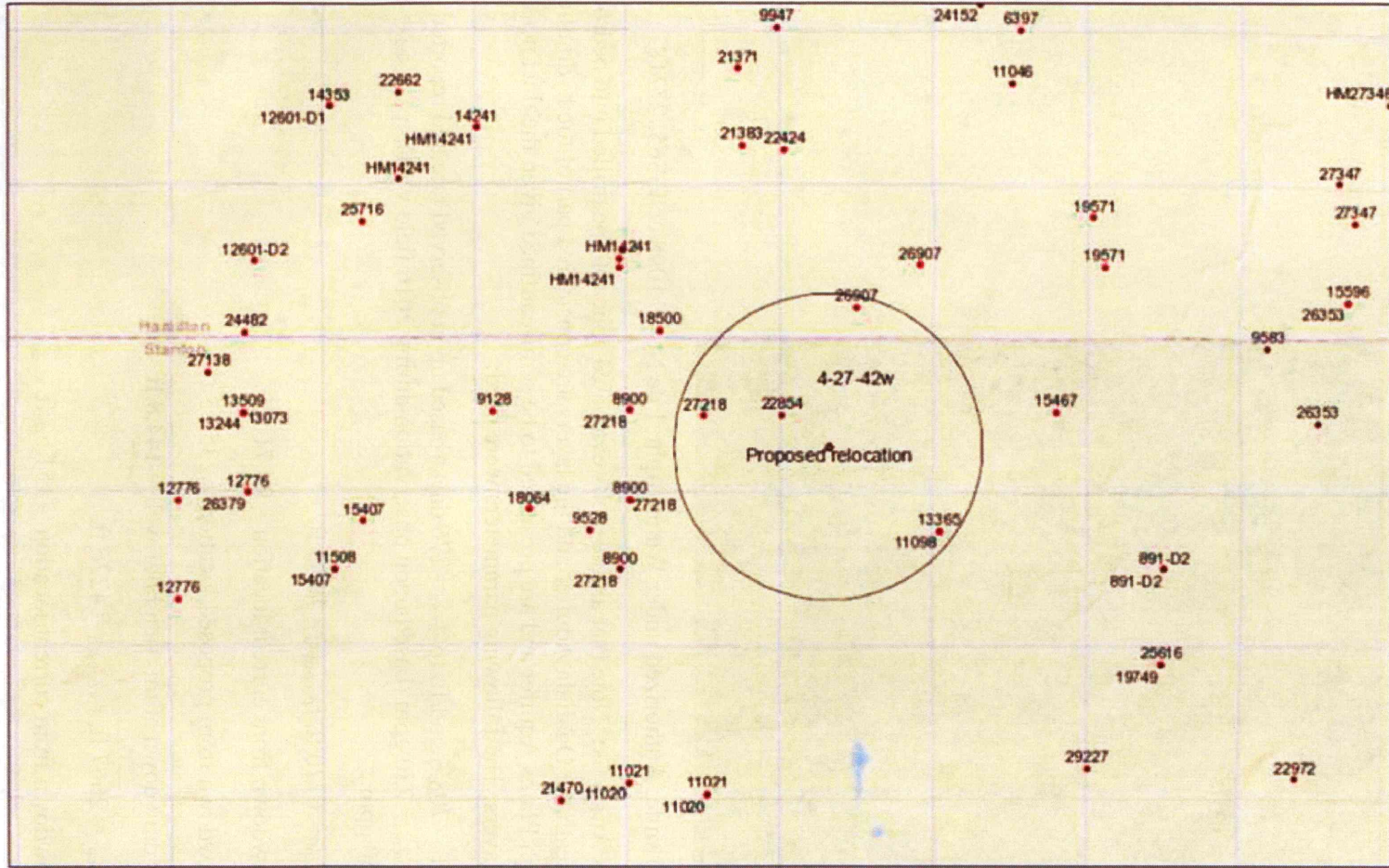
The drillers log indicates a well now tapping the basal Ogallala and the Dakota system formations to be relocated and adding the Morrison-Dockum aquifer formation.

Era	System	Rock Stratigraphic Units	Regional/Local Aquifer
Mesozoic	Cretaceous	Colorado & Montana Groups	Niobrara aquifer
		Niobrara Chalk	
		Dakota Formation	Dakota aquifer system
		Kiowa Formation	
	Cheyenne Sandstone	Upper Dakota aquifer	
	Jurassic	Morrison Formation	Lower Dakota aquifer
Triassic	Dockum Group		
			Morrison-Dockum aquifer

From: http://www.kgs.ku.edu/Publications/Bulletins/260/Bulletin_260_Dakota.pdf



22854 GMD3 wells evaluated



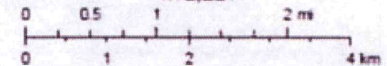
Area well density and one-mile circle of evaluation are mapped here.

January 22, 2019
16:56 PM

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

1:72,224

- | | | | | | | | | | |
|--------------|-------|-----|-----|-----|-----|-----|-----|-----|----------|
| Wells | + | CON | ● | FPR | ▲ | MUN | ■ | THX | |
| ? | Other | ⊗ | DEW | + | HYD | ■ | REC | ? | Empty |
| ● | IRR | ▲ | DOM | ★ | IND | ⊗ | STK | □ | Sections |



Jason
gWorks

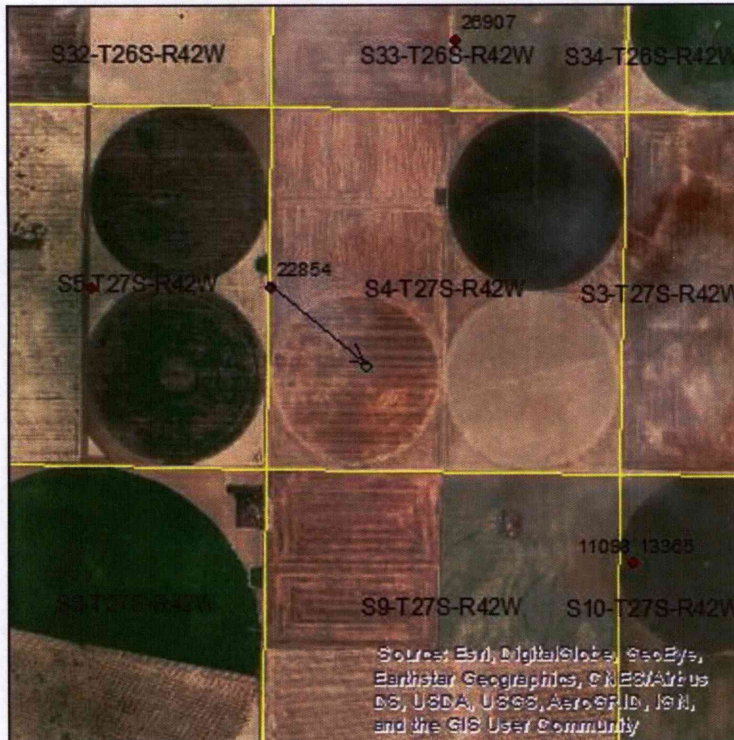
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, © OpenStreetMap contributors, and the GIS User Community

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Well evaluations of proposed well move under Water Right, File No. 22854

Proposed: Move 22854 is 1,823 ft to the southeast.



Wells within 1 mile: Authorized under Water Right, File Nos. 11098 & 13365, 27218.

50-year Theis Analysis: Note that all the wells evaluated appear to be drilled into bedrock formation beneath the Ogallala Aquifer and the layers are considered part of the hydraulically connected High Plains Aquifer and are presumed to be semi-confined given the thickness of notable shall layers. The following parameters were used:

$S = 0.00459$, $T = 708.6$ gpd/ft, $t_{p\text{current}} = 276$ days (based upon observed rate and reported quantity), $Q_{\text{current}} = 250$ gpm (based upon observation during 2016 field visit), $t_{p\text{proposed}} = 88$ days, $Q_{\text{proposed}} = 1650$ gpm.

11098: $r_{\text{current}} = 6720$ ft, $r_{\text{proposed}} = 4899$ ft.

Drawdown from current location = 90.71 ft

Drawdown from proposed location = 235.55 ft

Net drawdown at this neighbor well = **144.8 ft**

27218: $r_{\text{current}} = 2667$ ft, $r_{\text{proposed}} = 4226$ ft.

Drawdown from current location = 151.63 ft

Drawdown from proposed location = 258.00 ft

Net drawdown at this neighbor well = **106.4 ft**

These drawdown effects as calculated are very high and have critical well status because the authorized rate of the well far exceeds what the actual rate from the new well is likely to produce, unless fractures or other unknown transmissive properties are encountered. A more reasonable expected pumping rate for of 300 gpm at 276 days operated for wells in the area produces the following results:

11098: $r_{\text{current}} = 6720 \text{ ft}$, $r_{\text{proposed}} = 4899 \text{ ft}$

Drawdown from current location = 90.71 ft

Drawdown from proposed location = 132.54 ft

Net Drawdown at the neighbor well may = **41.83 ft**

27218: $r_{\text{current}} = 2667 \text{ ft}$, $r_{\text{proposed}} = 4226 \text{ ft}$

Drawdown from current location = 151.63 ft

Drawdown from proposed location = 143.98 ft

Net drawdown at this neighbor well may = **-7.65 ft** (improvement)

Conclusions. The well evaluation information indicates pumping effect should be improved at the reduced rate for two of the three wells evaluated (27218 and 26907).

An evaluation to determine drawdown at 11098 indicated that the well is a critical well under both calculations, meaning a high potential for water right impairment. Trevor Ahring, GMD3 engineer, spoke with the water use correspondent for water right number 11098, Glenn Pauls, on January 15, 2019 to determine how the well is currently operating. He was informed the well is currently enrolled in a conservation program through NRCS and not used. It can resume pumping in 2020. Mr. Pauls indicated that the well operated at about 300 gpm and pumped a lot of air when last used in 2017. The GMD3 field data confirmed at last visit the flow rate was less than 300 gpm. Mr. Pauls said that he is not concerned with the proposed move under Water Right, File Number 22854.

It is ultimately up to the Chief Engineer on what is considered adequate demonstration. In this proposal, where effects on area wells are likely to result and a significant portion of the supply will come from bedrock formations that are separated to some extent from the unconfined Ogallala and with potentially significant differences in water quality, there are risks for the proposed investment relating to future vertical migration of differing water quality up or down between the casing and the formation along the gravel pack, and for critical well interference under the prior appropriation doctrine.

The proposed well is junior to all other rights, and if approved will be junior to 11098. It may be advisable to limit the proposed rate and/or to obtain no-call agreements from the neighboring well owners to protect any investments from calls for administration from prior appropriation rights. In addition, a water quality sample from the lowest producing formations is also advisable. Also, well construction should occur that assures a separation grouting of gravel pack between the deep Morrison-Dockum-Dakota system formations and the shallower Ogallala formations to allow a future proper well plugging safeguarding the quality of future regional aquifer systems.

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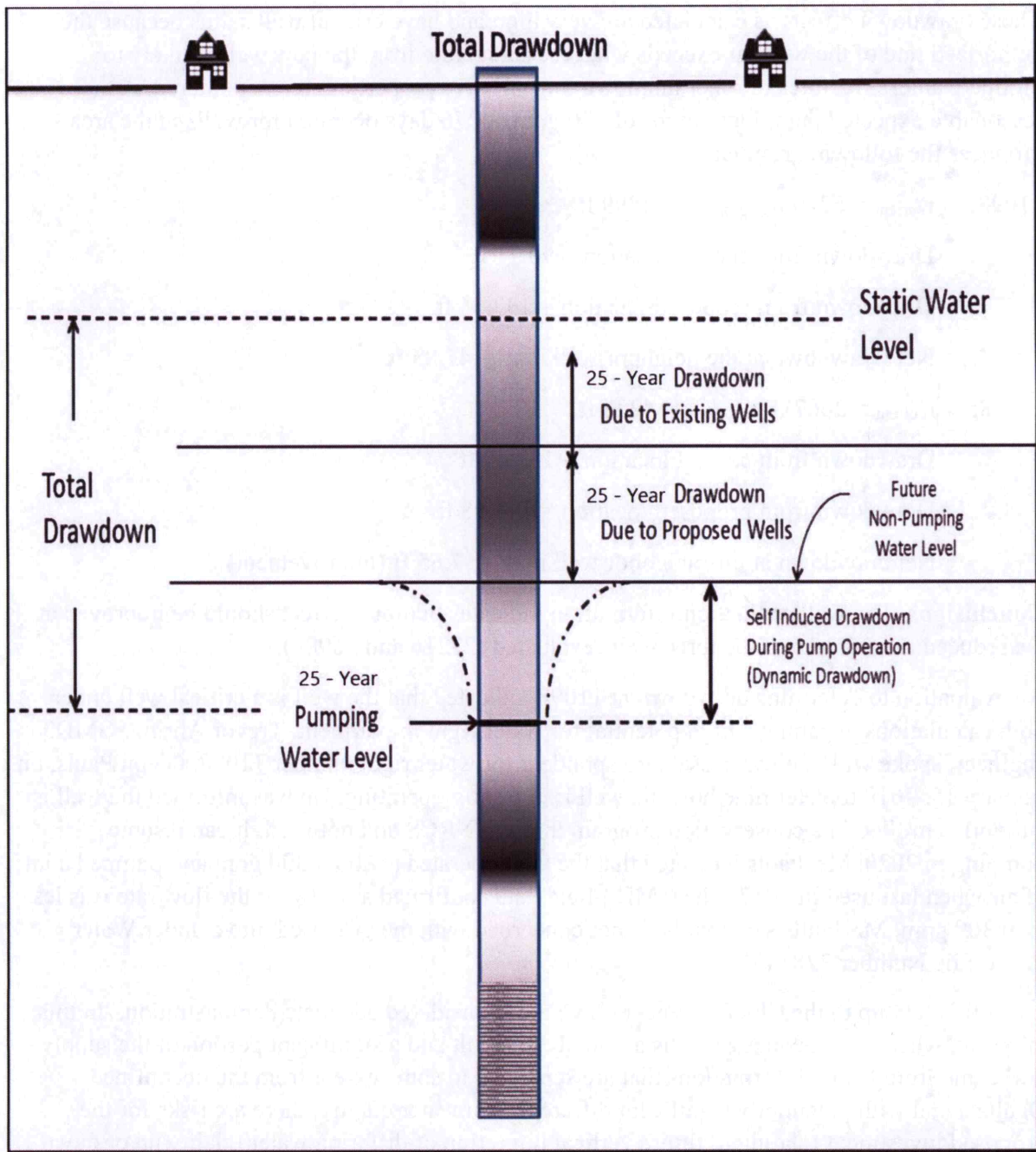


Illustration of calculations applied to each neighboring well within one mile of proposed well.

From: Don Whittemore <donwhitt@kgs.ku.edu>

Sent: Friday, January 25, 2019 4:14 PM

To: Mark Rude <mrude@gmd3.org>

Cc: Jim Butler <jbutler@kgs.ku.edu>

Subject: Interpretation of strata in deep Stanton County well

Mark,

After looking at the Stanton County bulletin, I believe that all except the bottom 28 ft of the deep Stanton County well drilled last September

(26S-42W-04CA) is above the Permian.

After reading through the bulletin, the following is my interpretation based on the bulletin descriptions of the different units and their

thicknesses:

Base of High Plains aquifer: 254 ft. Note transition from soft to firm hardness, fast to slow drilling speed, and change to units that contain cemented layers.

Dakota: 254 to 320 ft, 66 ft thickness

Kiowa: 320 to 462 ft, 142 ft thickness. It is possible that the Dakota-Kiowa transition is within the 320-404 ft shale, which would increase the thickness of the Dakota and decrease the thickness of the Kiowa.

Cheyenne: 462 to 565 ft, 103 ft thickness. Note the transition at 462 ft from firm to soft hardness, gray to tan color, and slow to fast drilling. The false red bed at 513-522 ft probably represents some of the rust colored Cheyenne where pyrite has been oxidized to redish-orange iron oxyhydroxide minerals in the sediment.

Dockum: 565 to 692 ft, 127 ft thickness.

Permian: Top at 692 ft, to bottom of drill hole at 720 ft.

One important issue is whether a water sample was taken for analysis.

Based on analyses in the Stanton Co bulletin, wells that produced water from only the Cretaceous or Cretaceous and Dockum all yielded freshwater. However, the Cretaceous and Dockum water often contained higher sulfate concentrations than in the High Plains aquifer, representing the weathering of pyrite to sulfate and iron oxyhydroxide precipitate. I note that the two wells in T29S-42W that produced from the Dockum as well as Cretaceous strata contained higher TDS and sulfate concentrations than the two wells that produced only from the Dakota.

The underlying Permian can have much higher TDS and sulfate concentrations, resulting from the dissolution of anhydrite or gypsum, where present, than in the Cretaceous and Dockum. If a producing well is completed in the borehole, it would probably be good to cement off the bottom 28 ft of red bed in the well in case the Permian strata contains mineralized water.

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JAN 29 2019

Page 7 of 16

KDHE requirements for well construction include the following:

"Water from two or more separate aquifers shall be separated from each other in the boring by sealing the annulus between the aquifers with grout."

"Each groundwater-producing zone that is known or suspected to contain natural or man-made pollutants shall be cased and grouted in accordance with subsection (b) during construction of any water well to prevent the movement of groundwater to either overlying or underlying fresh groundwater zones."

Do the GMD3 management regulations or guidelines recognize these requirements? In the case of the Stanton well, I would group the Dakota, Kiowa, and Cheyenne (the Dakota aquifer) and the Dockum as one aquifer because of the similarity of the sediments and water quality in that area. The overlying High Plains aquifer and the underlying Permian are definitely different types of formations/aquifers based on character and water quality. Thus, it appears that it would be appropriate to grout annular space in the upper Dakota strata below the HPA and the fill the bottom 28 ft of the borehole with grout in the Permian red beds.

Don

--

Donald Whittemore Phone 785-864-2182
Geohydrology Section Email donwhitt@kgs.ku.edu
Kansas Geological Survey
University of Kansas
1930 Constant Ave.
Lawrence, KS 66047-3726

Vita: <http://www.kgs.ku.edu/General/Personnel/tw/whittemore.html>

Google Scholar: <https://scholar.google.com/citations?hl=en&user=oTTb95UAAAAJ>

ResearcherID: <http://www.researcherid.com/rid/M-8875-2015>

Web sites:

KGS: <http://www.kgs.ku.edu/>

Water Information: <http://www.kgs.ku.edu/Hydro/hydroIndex.html>

Vita: <http://www.kgs.ku.edu/General/Personnel/tw/whittemore.html>

STATE OF KANSAS

DEPARTMENT OF AGRICULTURE
DIVISION OF WATER RESOURCES
GARDEN CITY FIELD OFFICE
2508 JOHNS STREET
GARDEN CITY, KS 67846-2804



PHONE: (620) 276-2901
FAX: (620) 276-9315
www.agriculture.ks.gov

GOVERNOR JEFF COLYER, M.D.
JACKIE McCLASKEY, SECRETARY OF AGRICULTURE

December 13, 2018

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

Change in PD Application,
File No. 22,854

Dear Sir or Madam:

We are enclosing a copy of the referenced application, which was submitted by David Walker 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,

Austin McColloch
Environmental Scientist
Water Appropriation Program

Enclosure
pc:

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JAN 29 2019

Garden City Field Office
Division of Water Resources

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. 22854

RECEIVED
 8:45 AM
 DEC 12 2018

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: DAVID WALKER

PO BOX 724 JOHNSON. KS. 67855

Phone Number: () Email address: _____

Name and address of Water Use Correspondent: DAVID T WALKER

PO BOX 724 JOHNSON. KS. 67855

Phone Number: (620)492 2525 Email address: _____

3. The presently authorized place of use is:

Owner of Land ---- NAME: DAVID T WALKER

ADDRESS: PO BOX 724 JOHNSON. KS. 67855

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

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

4. If this application is for a change in place of use, it is proposed that the place of use be changed to:

Owner of Land ---- NAME: NO CHANGE

ADDRESS: _____

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

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

For Office Use Only: Code _____ Fee \$ <u>200.00</u> TR # _____ Receipt Date <u>12-12-18</u> Check # <u>6998</u>
--

5. **Presently authorized point of diversion:**
 One in the _____ Quarter of the _____ Quarter of the _____ CW _____ Quarter
 of Section _____ 4 _____, Township _____ 27 _____ South, Range _____ 42 _____ (W),
 in STANTON County, Kansas, _____ 2800 _____ feet North _____ 5200 _____ feet West of Southeast corner of section.
 Authorized Rate _____ 1650 GPM _____ Authorized Quantity _____ 640AF _____ Depth of well _____ (feet)
 (DWR use only: Computer ID No. _____ 4 _____ GPS _____ feet North _____ feet West)
 This point will not be changed This point will be changed as follows: No change, point better described with GPS as follows:
Proposed point of diversion: (Complete only if change is requested or if existing point is better described by GPS)
 One in the _____ SW _____ Quarter of the _____ NE _____ Quarter of the _____ SW _____ Quarter
 of Section _____ 4 _____, Township _____ 27 _____ South, Range _____ 42 _____ (W),
 in STANTON County, Kansas, _____ 1550 _____ feet North _____ 3675 _____ feet West of Southeast corner of section.
 Proposed Rate _____ 1650 GPM _____ Proposed Quantity _____ 640 AF _____ Proposed well depth (feet) _____
 This point is: Additional Well Geo Center List other water rights that will use this point _____

6. **Presently authorized point of diversion:**
 One in the _____ Quarter of the _____ Quarter of the _____ Quarter
 of Section _____ Township _____ South, Range _____

7. The changes herein are desired for the following reasons?
 (please be specific) Lack of production on current location

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

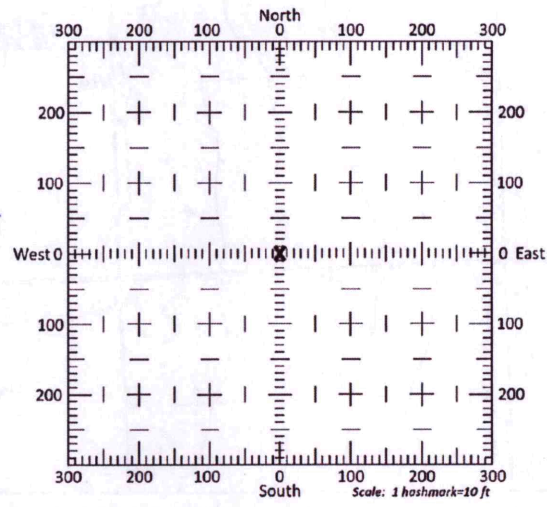
9. The change(s) (was)(will be) completed by?
10/18/2018

10. If the point of diversion is a well:
 (a) What are you going to do with the old well?
to be plugged or used as a charge-stuff well
 (b) When will this be done? 10/18/2018

11. Groundwater Management District recommendation attached?
 Yes No

12. Assisted by cac

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



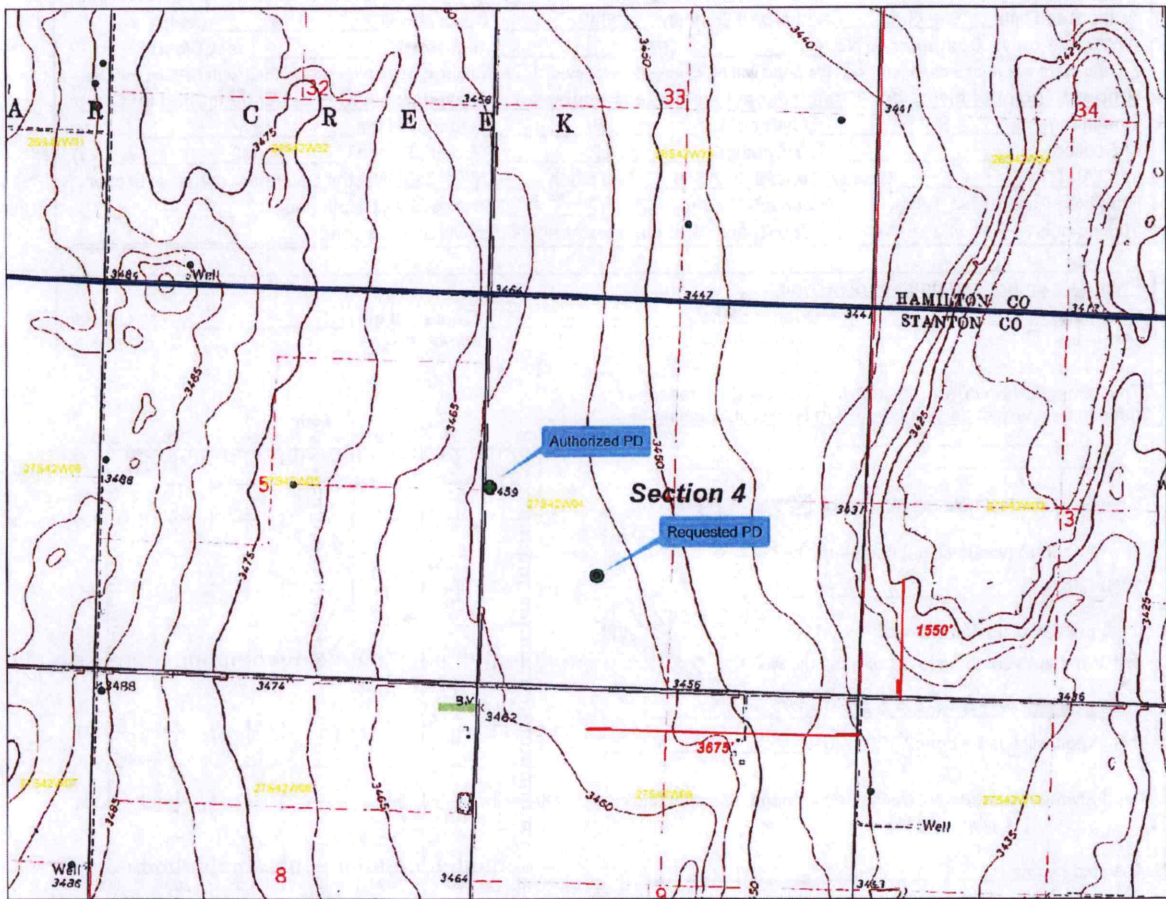
13b. If the proposed point of diversion will be relocated within 300 feet of the existing point of diversion, indicate its location on the diagram shown above in relation to the existing point of diversion. (PLEASE NOTE: The "X" in center of diagram above represents the presently authorized point of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

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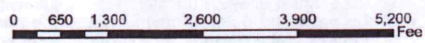
JAN 29 2019

Garden City Field Office
 Division of Water Resources

Point of Diversion Change
 File No(s). 22854
 T27 R42 Stanton Co.



(2006 Scaled air photo)



- Authorized PD
- Requested PD
- Point of Diversion



#22854

WELL LOG

DATE: 9/12/2018

Downey Drilling Inc.



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SEP 18 2018

Garden City Field Office
Division of Water Resources

CUSTOMER NAME: DAVID WALKER

LEGAL: NE/SW 4-27S-42W

COUNTY: STANTON

GPS: 37 43' 40.28" N 37.72785
-101 55' 10.65" W -101.919625

DRILLER: CHRIS P

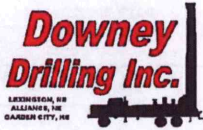
WO: 18-523

TW	FROM	TO	TYPE	HARDNESS	COLOR	SPEED	PULL DOWN	OTHER / DRILLING ACTION
0	1		TOP SOIL	SOFT	DARK	FAST		SMOOTH
1	22		SILTY CLAY AND SOME SILT	SOFT	TAN	FAST		SMOOTH
22	26		FINE-MEDIUM-COARSE SAND AND FINE GRAVEL	SOFT	RED	FAST		CHOPPY
26	47		CLAY AND SILTY CLAY	SOFT	BROWN	FAST		SMOOTH
47	54		FINE-MEDIUM-COARSE SAND AND FINE-TRACE OF MEDIUM GRAVEL	SOFT	RED	FAST		CHOPPY
54	81		CLAY	SOFT	BROWN	FAST		SMOOTH
81	102		FINE-MEDIUM-COARSE SAND, FINE GRAVEL, AND BROWN CLAY MIX	SOFT	BROWN	FAST		CHOPPY AT TIMES
102	115		FINE-MEDIUM-COARSE SAND AND FINE GRAVEL	SOFT	RED	FAST		SLIGHT CHATTER
115	136		BROWN CLAY	SOFT	BROWN	FAST		SMOOTH
136	147		FINE-MEDIUM-COARSE SAND AND FINE GRAVEL	SOFT	RED	FAST		SLIGHT CHATTER
147	154		CLAY	SOFT	BROWN	FAST		SMOOTH
154	186		FINE-MEDIUM-COARSE SAND AND FINE GRAVEL	SOFT	RED	FAST		SLIGHT CHATTER
186	202		CLAY	SOFT	BROWN	FAST		SMOOTH
202	208		FINE-MEDIUM-COARSE SAND AND FINE GRAVEL	SOFT	RED	FAST		SLIGHT CHATTER
208	250		CLAY	SOFT	BROWN	FAST		SMOOTH
250	254		FINE-MEDIUM-COARSE SAND	SOFT	RED	FAST		SLIGHT CHATTER
254	280		CLAY, FINE SAND LAYERS, AND A FEW CEMENTED LAYERS	FIRM	BROWN	SLOW		CHOPPY AT TIMES
280	308		FINE SAND, SOME CLAY, AND A FEW CEMENTED LAYERS	FIRM	BROWN	SLOW		CHOPPY
308	320		SHALE AND BROWN CLAY	FIRM	GRAY	SLOW		SMOOTH
320	404		SHALE	FIRM	GRAY	SLOW		SMOOTH
404	434		SANDSTONE, TRACE OF FINE SAND, AND A TRACE OF SHALE	FIRM	GRAY	SLOW		SMOOTH
434	462		FINE SAND (TOOK LOTS OF WATER - 4 GEL AND 1 BRAN)	FIRM	GRAY	SLOW		SMOOTH
462	494		CLAY, SHALE, AND SOAPSTONE	SOFT	TAN	FAST		SMOOTH
494	513		FINE SAND	SOFT	TAN	FAST		SMOOTH
513	522		RED BED (FALSE)	FIRM	RED	SLOW	X	SMOOTH
522	560		FINE SAND, SOAPSTONE, AND CLAY	SOFT	TAN	FAST		SMOOTH
560	565		THIN CLAY LAYER	FIRM	TAN	SLOW		SMOOTH
565	692		FINE SAND AND A TRACE OF CLAY	SOFT	TAN	FAST		SMOOTH
692	720		RED BED	FIRM	RED	SLOW	X	SMOOTH
			DRAG BIT					
			4 LOADS OF WATER					
			7 SACKS QUIK GEL, 1 SACK SODA ASH, AND 1 SACK OF BRAN					

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JAN 29 2019

Garden City Field Office
Division of Water Resources

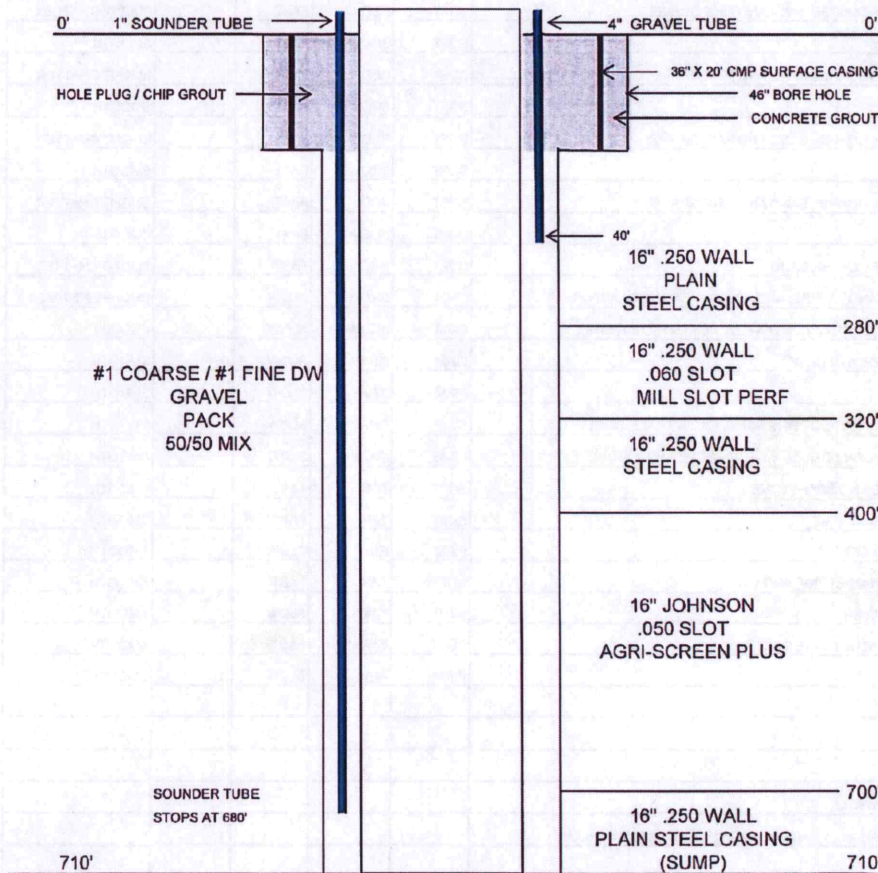


Well Design & Construction

Customer Name: DAVID WALKER
Legal: NE/SW 4-27S-42W **County:** STANTON
G.P.S.: 37 43' 40.28" N **Date:** _____
 -101 55' 10.65" W **WO #:** _____
DRILLER: _____ **WATER SUPPLY:** IRRIGATION WELL
HELPER(S): _____ **DRILLING RIG:** M-100
BOREHOLE DIAMETER: 30" **DRILLING METHOD:** REVERSE CIRCULATION
CASING DIAMETER: 16" **QUICKGEL:** _____ **HOLE PLUG:** 20'+
TOTAL WELL DEPTH: 710' **GRAVEL:** 160 TON #1 COARSE / #1 FINE DW 50/50 MIX
DRILLING FLUID: _____ **GRAVEL SUPPLIER:** HUBER
ADDITIONAL INFO: _____

**GROUT
AND
GRAVEL**

**SCREEN AND
CASING**



14. If the proposed groundwater point of diversion is 300 or fewer feet from the existing point of diversion, complete the following:
- (a) Does the undersigned represent all owners of the currently authorized place(s) of use identified in this application?
 Yes No (If no, all owners must sign this application.)
 - (b) Will the ownership interest of any owner of the currently authorized place(s) of use identified in this application be adversely affected if this application is approved as requested?
 Yes No (If yes, all owners must sign this application.)
 - (c) If this application is not approved expeditiously, will there be substantial damage to property, public health or safety?
 Yes No (If no, all owners must sign this application.)

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

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

Dated at Garden City, Kansas, this 12th day of December, 20 18.

<u>x David Walker</u> (Owner)	 (Spouse)
<u>David T. Walker</u> (Please Print)	 (Please Print)
 (Owner)	 (Spouse)
 (Please Print)	 (Please Print)
 (Owner)	 (Spouse)
 (Please Print)	 (Please Print)

State of Kansas }
 County of Finney } SS

I hereby certify that the foregoing application was signed in my presence and sworn to before me this 12th day of December, 20 18.

My Commission Expires  Julie Jones
 Notary Public

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

FFF 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

RECEIVED
 JAN 29 2019
 Garden City Field Office
 Division of Water Resources

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. _____.

1. A change application was received on _____ 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 _____ 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____, 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____, or within any authorized extension of time. By March 1, 20____ 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): _____
Division of Water Resources - Kansas Department of Agriculture

Date of Issuance: _____

State of Kansas)

) SS

County of _____)

Acknowledged before me on _____

by _____

Signature: _____
Notary Public

My commission expires: _____
(Notary Seal)

McColloch, Austin

From: McColloch, Austin
Sent: Thursday, December 13, 2018 10:47 AM
To: 'Jason Norquest'
Cc: Meyer, Mike [KDA]
Subject: Recommendation Change App File No. 22854
Attachments: 22854 Change PD App.pdf; GMD3 Letter.pdf

Jason,

Attached is a copy of the Change in Point of Diversion for WR File No. 22854 submitted by David Walker. Let me know if you need more information or have any questions.

Thanks,

Austin McColloch
Environmental Scientist
Kansas Department of Agriculture
Garden City Field Office
<http://agriculture.ks.gov/>
Ph: (620) 276-2901

STATE OF KANSAS

DEPARTMENT OF AGRICULTURE
DIVISION OF WATER RESOURCES
GARDEN CITY FIELD OFFICE
2508 JOHNS STREET
GARDEN CITY, KS 67846-2804



PHONE: (620) 276-2901
FAX: (620) 276-9315
www.agriculture.ks.gov

GOVERNOR JEFF COLYER, M.D.
JACKIE MCCLASKEY, SECRETARY OF AGRICULTURE

December 13, 2018

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

Change in PD Application,
File No. 22,854

Dear Sir or Madam:

We are enclosing a copy of the referenced application, which was submitted by David Walker 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,

Austin McColloch
Environmental Scientist
Water Appropriation Program

Enclosure
pc: