

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

1. File Number: 11923	2. Status Change Date:	3. Change Num: C2	4. Field Office: 4	5. GMD: 3
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6. Status: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied by DWR/GMD <input type="checkbox"/> Dismiss by Request/Failure to Return	7. Filing Date of Change: 6/24/2019
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8a. Applicant(s) New to system <input type="checkbox"/> LAYNE ANGELL P O BOX 249 PLAINS KS 67869	Person ID 25811 Add Seq# _____	8c. Landowner(s) New to system <input type="checkbox"/> PARITY INVESTMENTS INC 303 MAIN KISMET KS 67859-9612	Person ID 63023 Add Seq# _____
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8b. Landowner(s) New to system <input type="checkbox"/> 8a	Person ID _____ Add Seq# _____	8d. WUC New to system <input type="checkbox"/> 8a	Person ID _____ Add Seq# _____
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9. Documents and Enclosure(s): <input checked="" type="checkbox"/> DWR Meter(s) Date to Comply: 12/31/2019 <input checked="" type="checkbox"/> N & P Date to Comply: 12/31/2020
<input type="checkbox"/> Anti-Reverse Meter <input type="checkbox"/> Meter Seal <input checked="" type="checkbox"/> Check Valve <input checked="" type="checkbox"/> N & P Form <input checked="" type="checkbox"/> Water Tube <input checked="" type="checkbox"/> Driller Copy <input type="checkbox"/> H & E Letter
<input type="checkbox"/> Conservation Plan Date Required: _____ Date Approved: _____ Date to Comply: _____

10. Use Made of Water From: _____ To: _____

Date Prepared: 7/11/2019 By: AM
Date Entered: _____ By: _____

SCANNED

File No. **11923** 11. County: **ME** Basin: **CROOKED CREEK** Stream: Formation Code: Special Use:

12. Points of Diversion										Rate and Quantity						
CHK	MOD	DEL	PDIV	Qualifier	S	T	R	ID	'N	'W	Comment (AKA Line)	Authorized		Additional		
ENT												Rate gpm/cfs	Quantity af/mgy	Rate gpm/cfs	Quantity af/mgy	Overlap PD Files

DEL 49515

ENT NE NW NE 31 32S 29W 5231 1812 1670 540 1670 540 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				NW¼				SW¼				SE¼				Total	Owner	Chg?	Overlap Files
						NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼				
CHK 68649																									
CHK 20349																									
CHK 68055																									

Base Acres: Year: Minimum Reasonable Quantity:

Comments:

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



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

Mike Beam, Secretary

Laura Kelly, Governor

July 11, 2019

LAYNE ANGELL
P O BOX 249
PLAINS KS 67869

RE: Water Right, File No. 11923

Dear Sir or Madam:

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

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

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

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

Sincerely,

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

Austin J. McColloch
Assistant Water Commissioner

AM:
enclosures

pc: Parity Investments INC
GROUNDWATER MANAGEMENT DISTRICT NO. 3

SCANNED

CERTIFICATE OF SERVICE

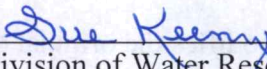
On this 11th day of July, 2019, I hereby certify that the foregoing Approval of Application for Change in Point of Diversion, Water Right, File No. 11,923 dated 11th day of July, 2019 was mailed postage prepaid, first class, US mail to the following:

LAYNE ANGELL
P O BOX 249
PLAINS KS 67869

Pc:

PARITY INVESTMENTS INC
303 MAIN
KISMET KS 67859-9612

GROUNDWATER MANAGEMENT DISTRICT NO. 3



Division of Water Resources Staff

SCANNED

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. 11923

RECEIVED
9:30 Am
JUN 24 2019

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: LAYNE ANGELL

P O BOX 249 PLAINS KS 67869

Phone Number: () Email address: _____

Name and address of Water Use Correspondent: SAME AS ABOVE

Phone Number: () Email address: _____

3. The presently authorized place of use is:

Owner of Land ---- NAME: LAYNE ANGELL // PARITY INVESTMENTS INC

ADDRESS: P O BOX 249 PLAINS KS 67869 // 303 MAIN KISMET KS 67859-9612

(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 \$ 300.00 TR # _____ Receipt Date 6-24-19 Check # 7020

5. **Presently authorized point of diversion:**
 One in the SW Quarter of the SW Quarter of the NE Quarter of Section 31, Township 32 South, Range 29 (W), in MEADE County, Kansas, 3042 feet North 2636 feet West of Southeast corner of section. Authorized Rate _____ Authorized Quantity _____ Depth of well _____ (feet)
(DWR use only: Computer ID No. 1 GPS 37.22155 feet North -100.51598 feet West)
 This point will not be changed This point will be changed as follows: No change, point better described with GPS as follows:
Proposed point of diversion: (Complete only if change is requested or if existing point is better described by GPS)
 One in the NE Quarter of the NW Quarter of the NE Quarter of Section 31, Township 32 South, Range 29 (W), in MEADE County, Kansas, 5231 feet North 1812 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 _____

* GMD3 GPS 9-15-17 field

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) LOSS OF PRODUCTION

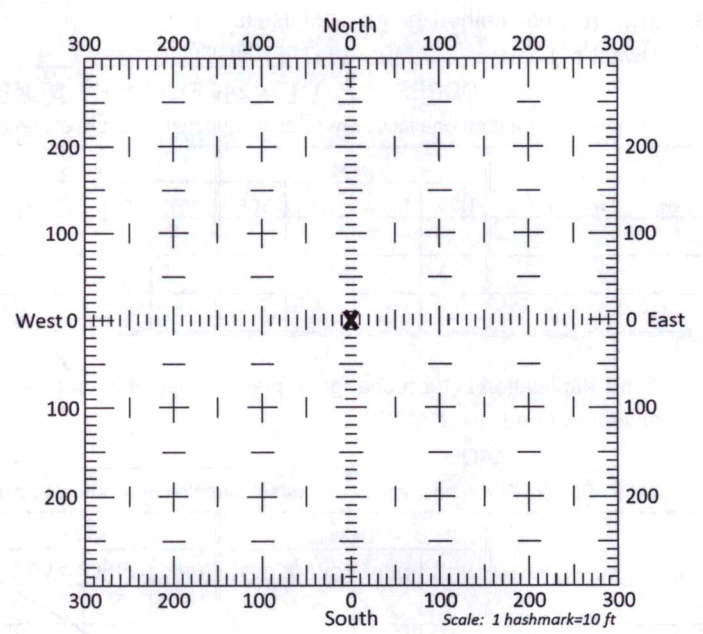
8. If a well, is the test hole log attached? Yes No

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

10. If the point of diversion is a well:
 (a) What are you going to do with the old well?
PLUG/CAP
 (b) When will this be done? UPON APPROVAL

11. Groundwater Management District recommendation attached?
 Yes No

12. Assisted by AM/GCFO



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

13b. If the proposed point of diversion will be relocated within 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.)

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.)

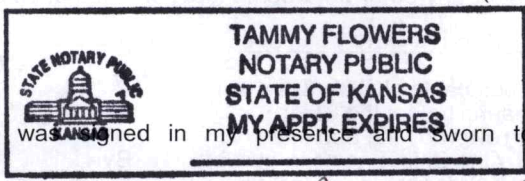
If the application proposes a surface water change in point of diversion, a groundwater change in point of diversion greater than 300 feet, or a change in place of use, the application must be signed by all owners of the currently authorized place of use, or their duly authorized agent (attach notarized 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 21st day of JUNE, 20 19.

<u>+ Jay Osle</u>	
(Owner)	(Spouse)
<u>Layne Angus II</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 21 day of June, 20 19.

Tammy Flowers
 Notary Public

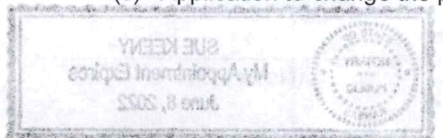
My Commission Expires 5-28-2021.

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



SCANNED

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. 11923.

1. A change application was received on June 24, 2019 requesting that the place of use and / or point of diversion authorized under the above-referenced file number be changed as described in the application.
2. On and after the effective date of this summary order, the authorized place(s) of use shall be located substantially as shown on the topographic map accompanying the application to change the place of use. Applicable Not Applicable
3. The change in point of diversion shall not impair existing rights and shall be limited to the same source or sources of water as previously authorized. The point of diversion authorized by this summary order shall be located within a 50 foot radius of the authorized point(s) of diversion. Applicable Not Applicable
4. The point(s) of diversion described herein is administratively corrected to be more accurately described using the Global Positioning System (GPS), as described in the application. Applicable Not Applicable
5. The point(s) of diversion authorized herein shall not actually be located more than 2640 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: Austin McColloch
Duly Authorized Designee of the Chief Engineer

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

Date of Issuance: July 11, 2019

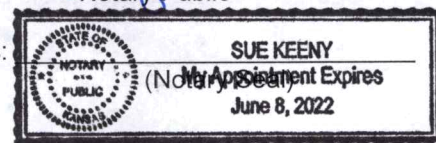
State of Kansas _____)

County of Finney _____) SS

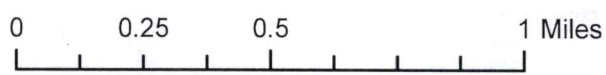
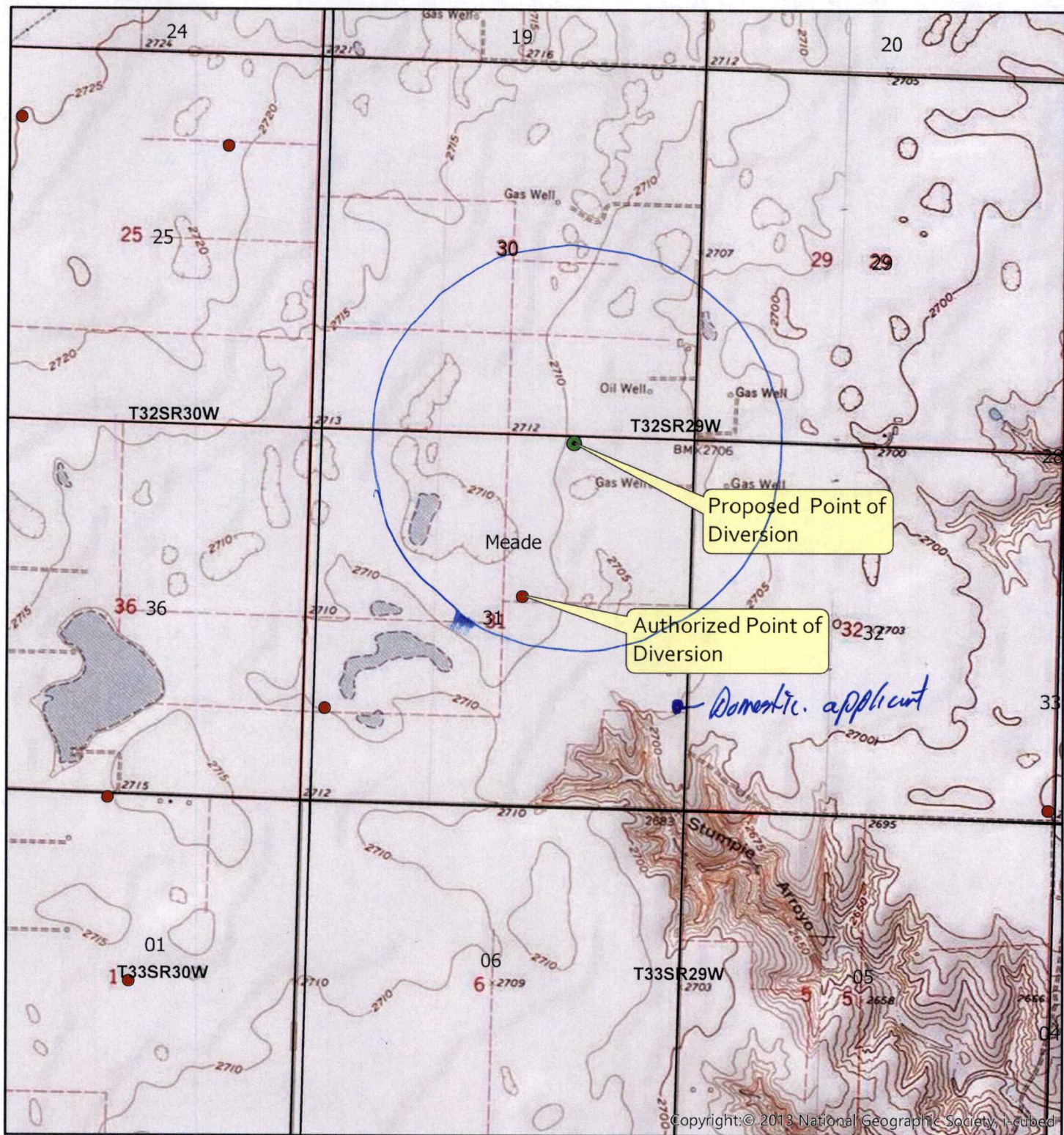
Acknowledged before me on July 11, 2019
by Austin McColloch

Signature: Sue Keeny
Notary Public

My commission expires:



Change in Point of Diversion Water Right, File No. 11923



SCANNED



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



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

LAYNE ANGELL 620-629-0124

Customer Name: Layne Angell WO#: 12024 Date: 11-13-17
 Street Address: P.O. Box 249 Test #: 1 E LOG: _____
 City, State: PLAINS, KS 67869 Driller: Dale Guinn
 County: Meadow Quarter: NE Section: 31 Township: 32 Range: 29
 Location: _____ GPS: N37.22756 W100.51315
 Rig #: 10002 Elevation: 2701' Static WL: 240' Estimated? _____
 Proposed Well Depth 521

WELL LOCATION 20' Sump

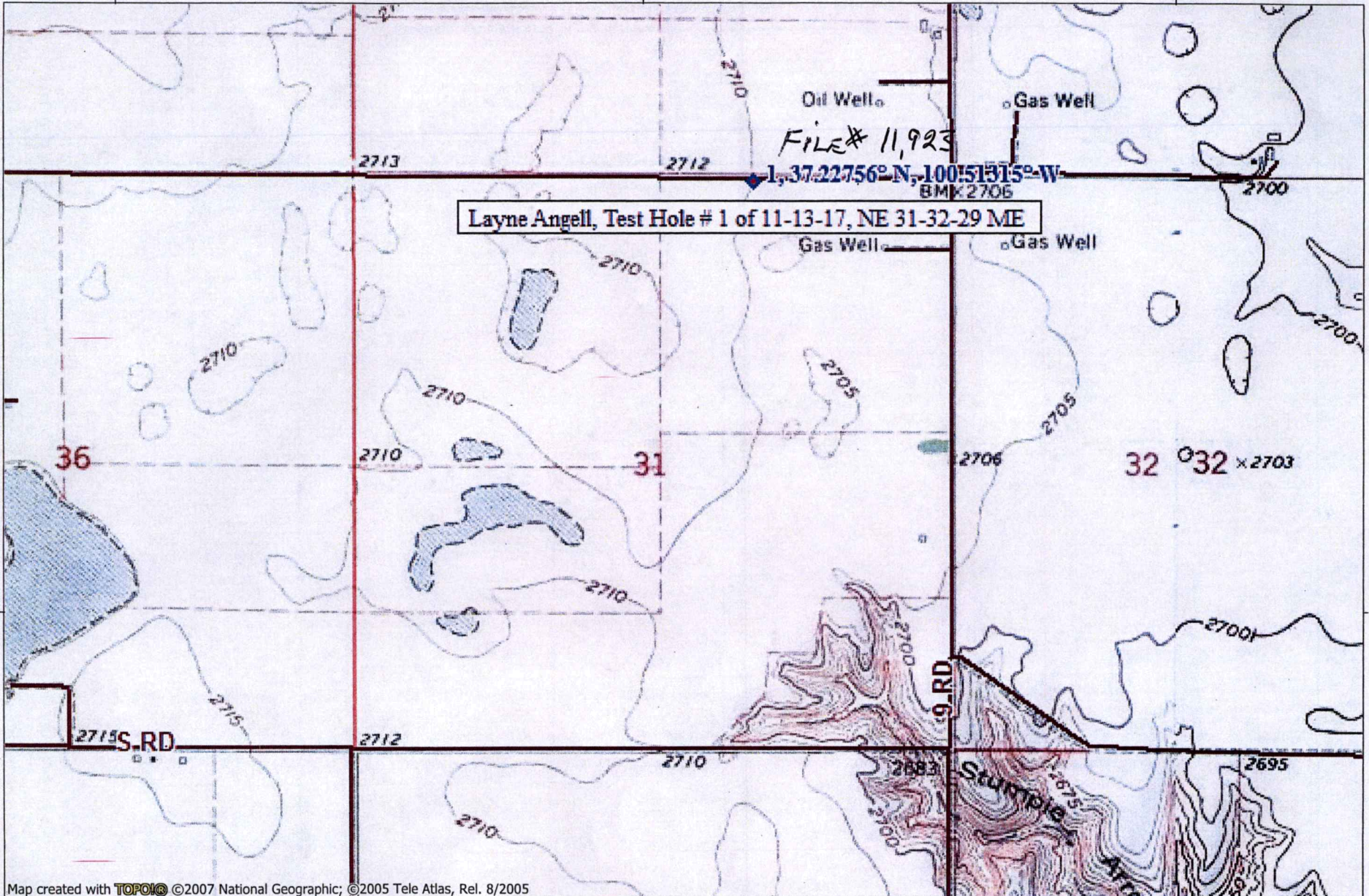
%	Footage			Description of Strata
	From	Pay	To	
	0		2	Top Soil
	2		40	Brown Sandy Clay w/ some caliche mixed
	40		47	Sand fine to med course w/ couple small gravel
	47		70	Brown Clay
	70		89	Sand fine to med course
	89		98	Brown sandy clay w/ couple sand ledges
	98		130	Sand fine to med course
	130		133	Brown Clay
	133		213	Sand fine to med some course
	213		226	Brown sandy clay w/ couple sand ledges
30	226	40	280	Sand fine to med course - used some water - Drilled loose
25	280	80	360	Sand fine to med fine course - used some water - Drilled loose
15	360	29	389	Sand fine to med fine course w/ some clay ledges
25	389	64	453	Sand fine to med - Drilled loose - used water
30	453	8	461	Sand fine to med course - used water -
5	461	17	478	Brown sandy clay w/ few lime rock + some fine sand strips
15	478	23	501	Fine sand w/ few lime rock strips + couple clay stringers - Drilled loose in places -
	501		520	Red Bed
		261		
				Super Gel X - 1
				Grout - 5
				Bent. Plug 3/4 - 6
				Perma Plug - 1
				1 3/4 Drag 13/16 - 1

SCANNED

100.53333° W

100.51667° W

NAD27 100.50000° W



37.21667° N

37.21667° N

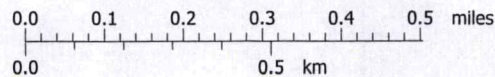
SCANNED

Map created with TOPO! © 2007 National Geographic; © 2005 Tele Atlas, Rel. 8/2005

100.53333° W

100.51667° W

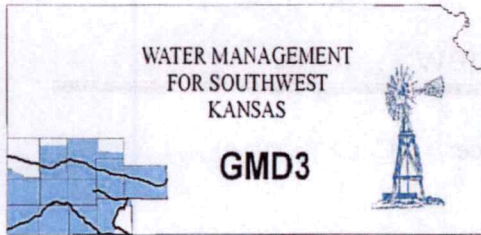
NAD27 100.50000° W



TN MN

5 1/2°

11/14/17



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

July 9, 2019

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 No. 11923

Dear Mike:

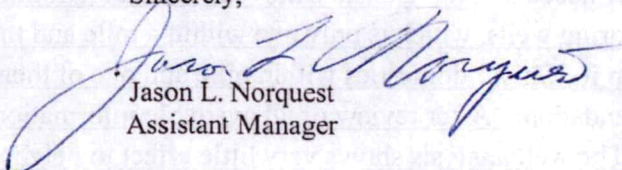
We have completed a review of the application for the above referenced water right. The proposed change in point of diversion is in accordance with current area rules, K.A.R. 5-23-3, as it pertains to distance moved and minimum spacing to neighboring wells.

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

Every neighboring well within 1 mile of the proposed move was evaluated. Evaluations showed that none of the wells exceeded the 4.0 ft maximum allowable threshold. The results were based on the proposed well pumping at full authority. There were no responses from the neighbors. Therefore, GMD3 sees this move as reasonable and unlikely to impair neighboring wells. It is therefore recommended that the application be approved.

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

Sincerely,


Jason L. Norquest
Assistant Manager

GMD3 Change Review

File No(s): 11923.

DWR office: GC.

App filed to change: PD.

Is Landowner(s) correct in WRIS: Layne Angell.

If NO, is documentation included?

Is Water Use Correspondent correct in WRIS? Yes.

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	3042	2636	Sect31-32-29
Proposed PD	5231	1812	
Difference	-2189 n	824 e	
$a^2 + b^2 = c^2$	4791721	678976	2338.952 foot move NE

GPS for proposed PD: Lat: 37.22756 Long: -100.51315.

Is proposed PD stacking on existing WRs? No.

Is Proposed PU overlapping existing WRs? No change.

Land Owner(s) notified: .

Name . Name .

Address . Address .

Zip . Zip .

Neighboring certified well(s) notified: .

Name . Name .

Address . Address .

Zip . Zip .

Domestic well(s) notified: .

Name . Name .

Address . Address .

Zip . Zip .

Base Acres: .

Perfected Acres: .

Irr. Return-Flow %

Loss of production in current well.

Running the analysis on the proposed.

Is a waiver needed: No. Distance moved less than half mile. Spacing is more than met to neighboring wells, which is only one within a mile and the proposed well is moving away from it. Only 2 domestics within mile and one of them is owned by applicant.

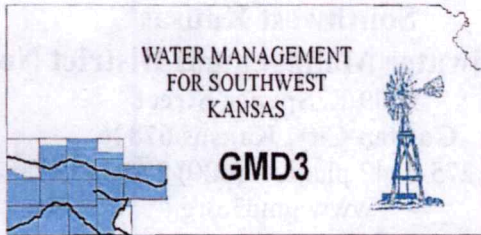
Recommendation: After review of all available information, it appears current area rules are met. The well analysis shows very little effect to neighboring wells. Notices were sent and we received no response. Staff therefore recommends approval of the application.

RECEIVED

JUL 09 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

June 26, 2019

Dan Pace
22002 S Partridge RD
Pretty Prairie, Kansas 67570

RE: Application for Change in Point of Diversion
Water Right, File No. 11923

Dear Dan Pace:

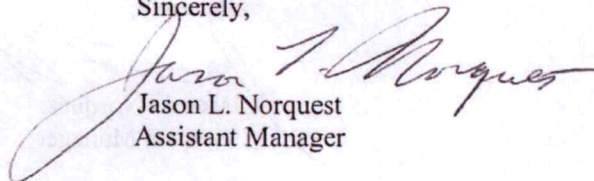
This is to inform you that Layne Angell has applied to relocate their well 2338 feet NE of their current well location in Section 31, Township 32s, Range 29w, in Meade county. The proposed change in point of diversion is in accordance with current area rules, K.A.R. 5-23-3, as it pertains to distance moved and minimum spacing to neighboring wells.

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

A copy of the full change application can be found on the Division of Water Resources site, https://sftp.kda.ks.gov:4443/Notices/Garden_City_Field_Office/2019/. The results of the analysis can be found at <http://www.gmd3.org/what-we-do/well-to-well-analysis/>. Please review the analysis for the proposed change to Water Right 11923. If you have any questions or wish to provide better information, please contact our office by July 5, 2019. If no response is provided to our office, we will proceed with our recommendation to the Chief Engineer.

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

Sincerely,


Jason L. Norquest
Assistant Manager



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

June 26, 2019

Richard Roberts
9109 R Road
Plains, Kansas 67869

RE: Application for Change in Point of Diversion
Water Right, File No. 11923

Dear Richard Roberts:

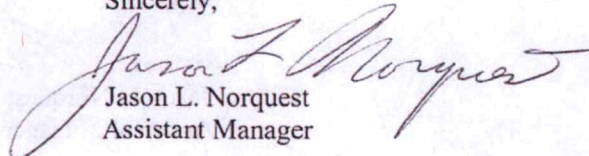
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Sincerely,

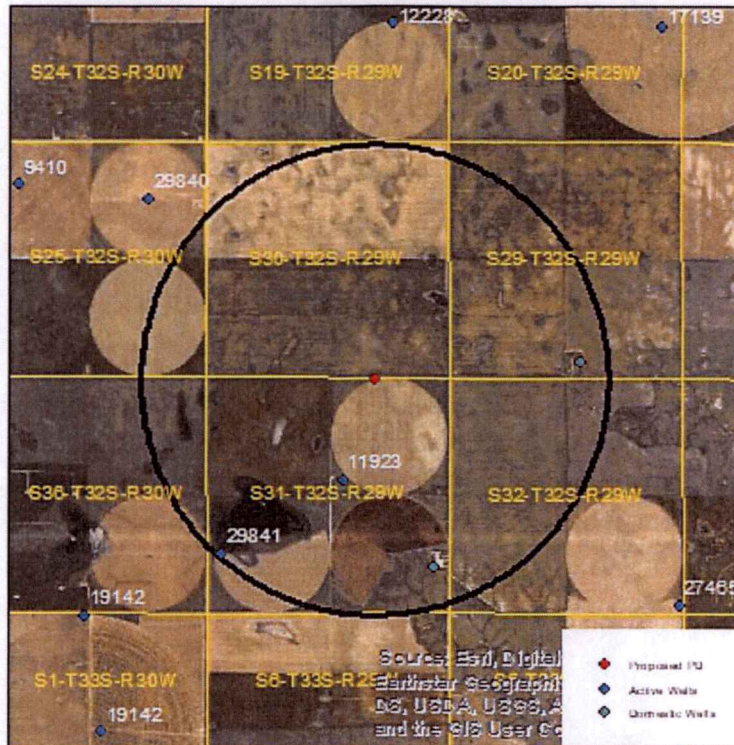

Jason L. Norquest
Assistant Manager

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JUL 09 2019

Evaluation of proposed move for Water Right No 11923

Proposed: Move water right no. 11923 to a new location 2344 ft to the northeast.



Wells within 1 mile: 29841, a domestic well located in section 31-32-29, and a domestic well located in section 29-32-29.

The saturated thickness at the proposed well location is estimated to be 259 ft, based upon the driller's log and an observation well located in section 35-32-30. For saturated thicknesses greater than 200 ft, the maximum allowable Theis drawdown to neighboring critical wells is 4.0 ft.

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

$S = 0.1764$, $T = 17,756 \text{ ft}^2/\text{day}$, $tp_{\text{current}} = 250$ days (based upon observed rate and average reported quantity), $Q_{\text{current}} = 471.5 \text{ gpm}$ (observed during 2017 field inspection), $tp_{\text{proposed}} = 73$ days, $Q_{\text{proposed}} = 1670 \text{ gpm}$

Theis drawdowns were calculated as follows:

29841: Drawdown from current location = 1.83 ft
Drawdown from proposed location = 1.69 ft
Net drawdown = -0.1 ft

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Garden City Field Office
Division of Water Resources

Domestic 31-32-29: Drawdown from current location = 1.93 ft
Drawdown from proposed location = 1.88 ft
Net drawdown = **-0.1 ft**

Domestic 29-32-29: Drawdown from current location = 1.39 ft
Drawdown from proposed location = 1.81 ft
Net drawdown = **0.4 ft**

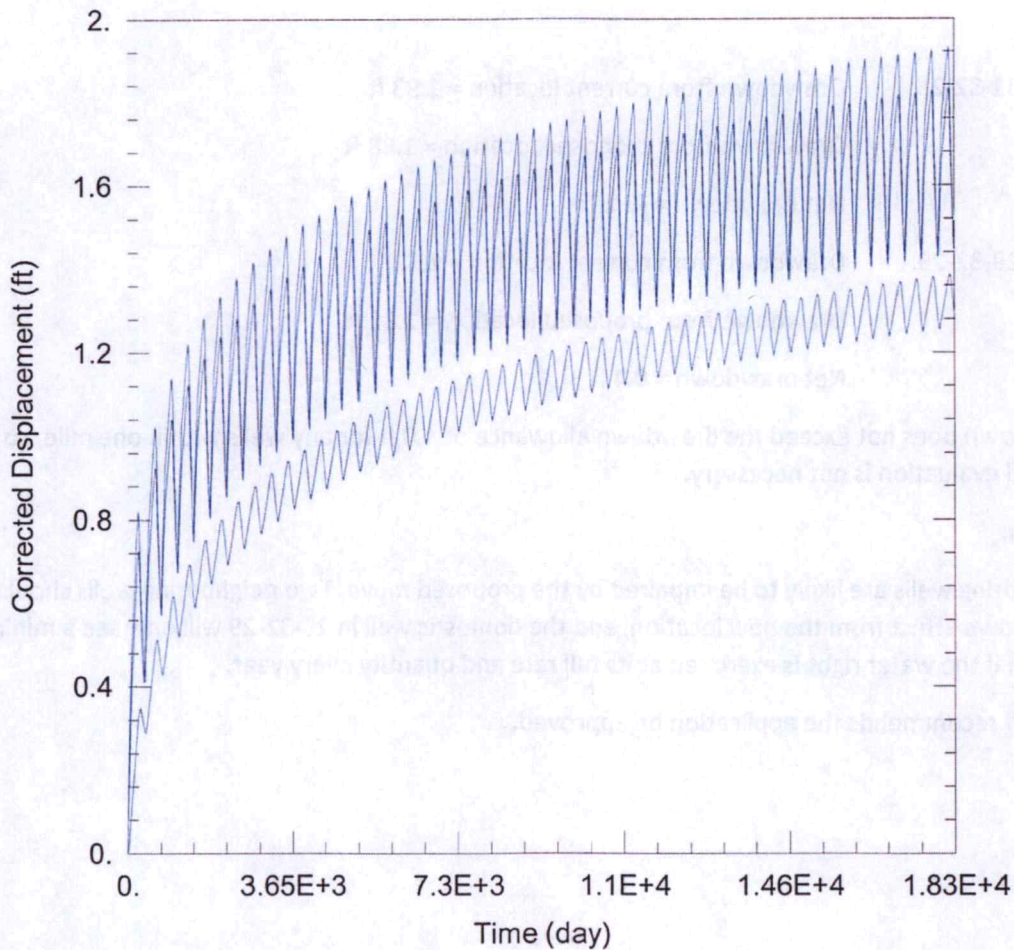
Net drawdown does not exceed the drawdown allowance of 4.0 ft for any wells within one mile, so critical well evaluation is not necessary.

Conclusion:

No neighboring wells are likely to be impaired by the proposed move. Two neighboring wells should see less drawdown effect from the new location, and the domestic well in 29-32-29 will only see a minimal effect even if the water right is exercised at its full rate and quantity every year.

GMD3 staff recommends the application be approved.

RECEIVED
JUL 9 2018
Green City Field Office
District of Central Region



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2019_moves\11923\11923 Current.aqt
 Date: 06/25/19 Time: 13:54:56

PROJECT INFORMATION

Company: GMD 3
 Project: 11923
 Location: Meade County
 Test Well: 11923

WELL DATA

Pumping Wells			Observation Wells		
Well Name	X (ft)	Y (ft)	Well Name	X (ft)	Y (ft)
11923	82662	126253	□	82662	126253
			□ 29841	79878	124581
			□ Domestic 31-32-29	84718	124267
			□ Domestic 29-32-29	88010	128883

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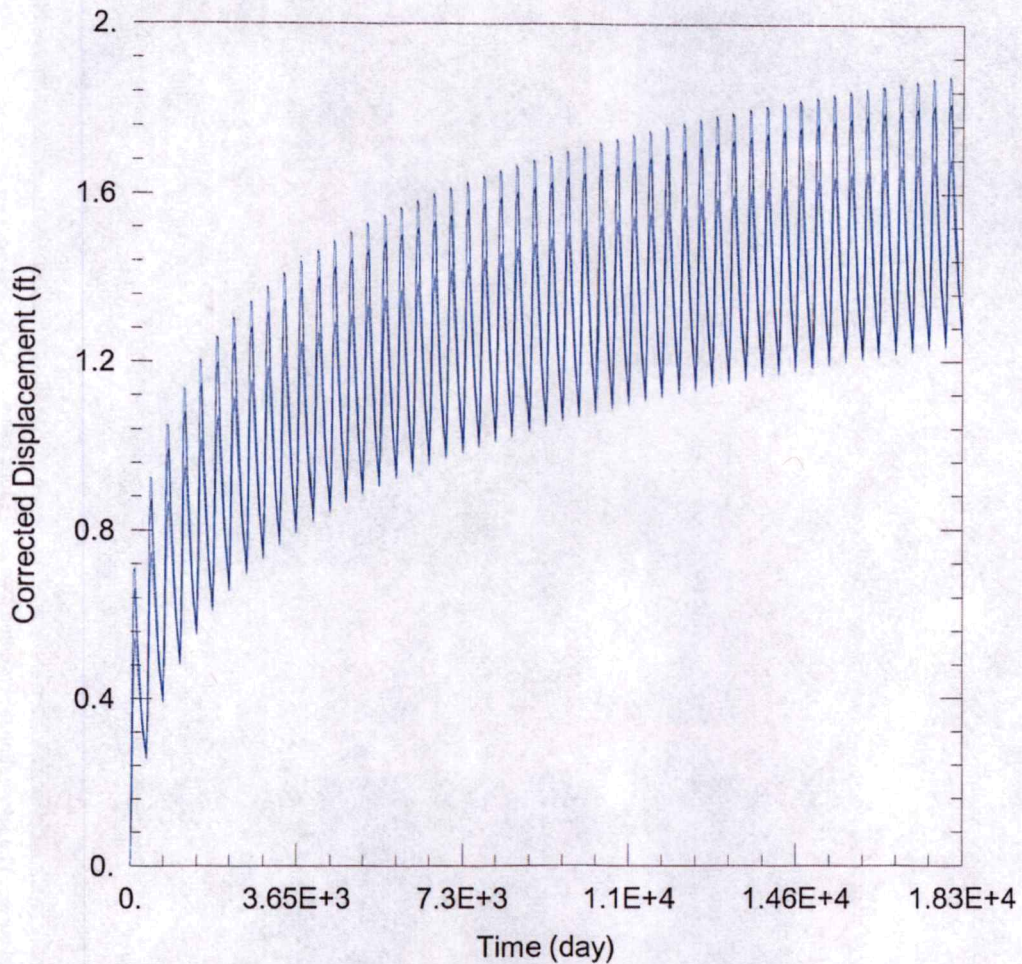
SOLUTION

Aquifer Model: Unconfined
 $T = 1.776E+4 \text{ ft}^2/\text{day}$
 $Kz/Kr = 1.$

Solution Method: Theis
 $S = 0.1764$
 $b = 259. \text{ ft}$

JUL 09 2019

Garden City Field Office
 Division of Water Resources



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2019_moves\11923\11923 Proposed.aqt

Date: 06/25/19

Time: 13:55:02

PROJECT INFORMATION

Company: GMD 3

Project: 11923

Location: Meade County

Test Well: 11923

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
11923	83358	128490

Observation Wells

Well Name	X (ft)	Y (ft)
□	83358	128490
□ 29841	79878	124581
□ Domestic 31-32-29	84718	124267
□ Domestic 29-32-29	88010	128883

SOLUTION

Aquifer Model: Unconfined

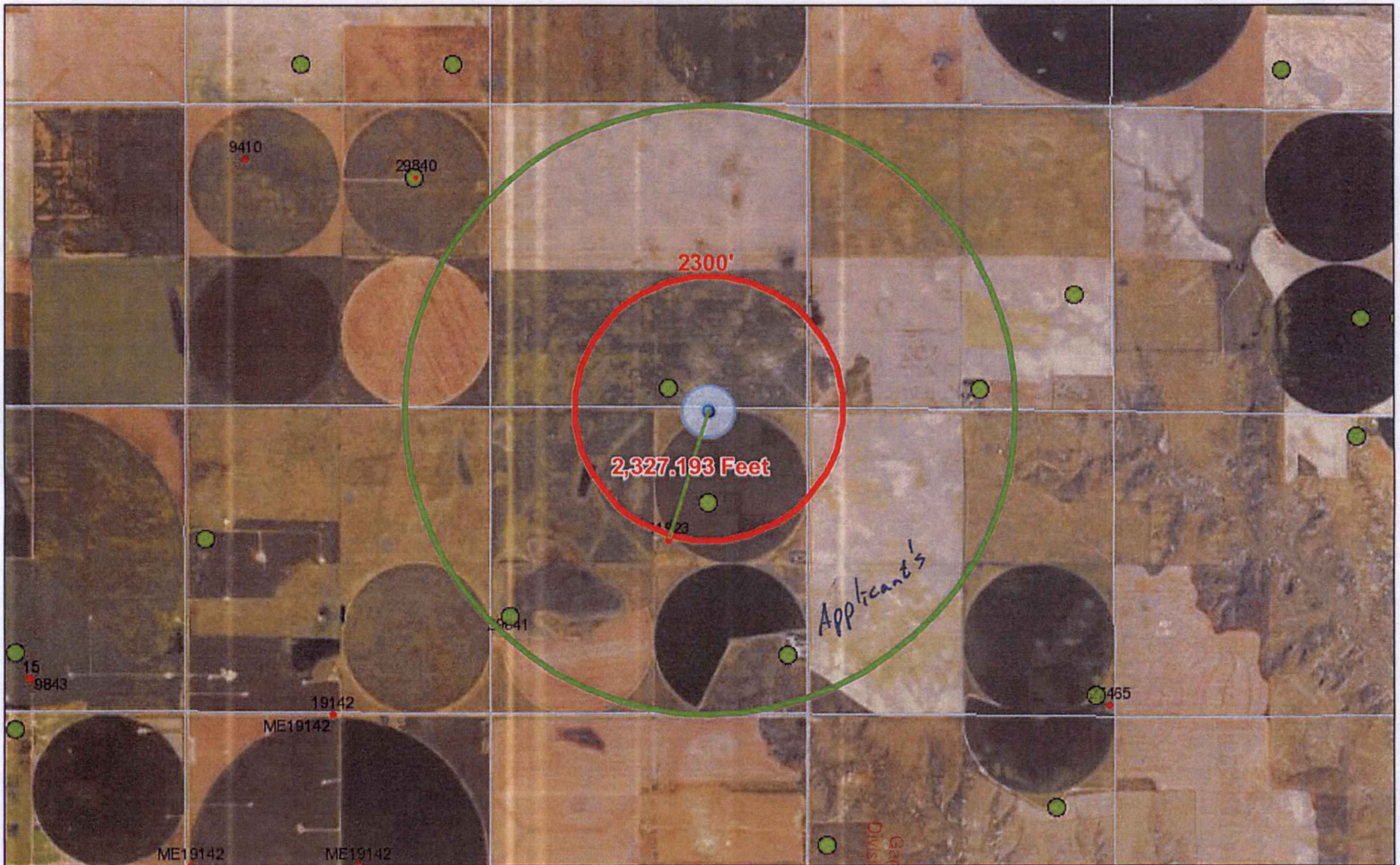
Solution Method: Theis

T = 1.776E+4 ft²/day

S = 0.1764

Kz/Kr = 1.

b = 259. ft



June 25, 2019
08:45 AM

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.

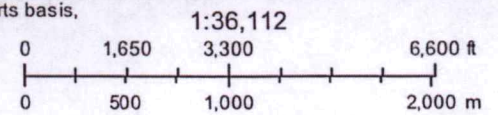
GPS Position

Wells
 ? Other
 • IRR

+	CON	•	FPR	▲	MUN	⚡	THX
⊗	DEW	+	HYD	▬	REC	?	Empty
•	DOM	★	IND	⊙	STK	●	WWC5 WELLS

Grand City Field Office
 Division of Water Resources
 JUL 09 2019

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INPUTS	
Target Section Definition	
Section	31
Township	32
Range	29
Range Direction	w
Target Point Coordinates (<i>NAD27</i> or <i>NAD83</i>)	
Target Longitude	-100.513150
Target Latitude	37.227560

Load Data and Compute

Instructions

1. Enter values for section, township, range and range direction.
2. Enter *NAD27* or *NAD83* longitude and latitude of target point.
3. Click "Load Data and Compute" button.
4. Use feet distances corresponding to datum of target point.

Loaded Section Data From LEOBASE using <i>NAD83</i>		
Corner	Corner Latitudes	Corner Longitudes
SW	37.21321884	-100.52617075
NW	37.22783671	-100.52613957
NE	37.22777586	-100.50731013
SE	37.21321917	-100.50735522
Degrees Longitude per Foot		3.43412898E-06
Degrees Latitude per Foot		2.74645984E-06
Target Point Distances from Corners using <i>NAD83</i>		
Corner	Feet North(+)/South(-)	Feet East(-)/West(+)
SW	5222	-3792
NW	-101	-3782
NE	-79	1701
SE	5222	1687

Target point is In Section

Loaded Section Data From LEOBASE using <i>NAD27</i>		
Corner	Corner Latitudes	Corner Longitudes
SW	37.21319600	-100.52574200
NW	37.22781400	-100.52571100
NE	37.22775300	-100.50688200
SE	37.21319600	-100.50692700
Degrees Longitude per Foot		3.43412794E-06
Degrees Latitude per Foot		2.74598553E-06
Target Point Distances from Corners using <i>NAD27</i>		
Corner	Feet North(+)/South(-)	Feet East(-)/West(+)
SW	5231	-3667
NW	-92	-3658
NE	-70	1825
SE	5231	1812

Target point is In Section

Difference (<i>NAD83</i> Minus <i>NAD27</i>)		
Corner	Corner Latitudes	Corner Longitudes
SW	0.00002284	-0.00042875
NW	0.00002271	-0.00042857
NE	0.00002286	-0.00042813
SE	0.00002317	-0.00042822

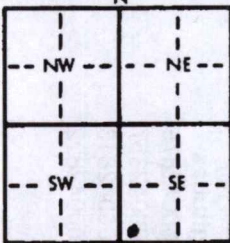
Difference (<i>NAD83</i> Minus <i>NAD27</i>)		
Corner	Feet North(+)/South(-)	Feet East(-)/West(+)
SW	-9.21953379	-124.84859986
NW	-8.25285209	-124.79618755

SW SW SE (dr)
 WATER WELL RECORD Form WWO-100 KSA 82a-1212

1 LOCATION OF WATER WELL: Fraction SE 1/4 SW 1/4 SW 1/4 Section Number 29 Township Number T 32 S Range Number R 29 E 10
 County: Meade

Distance and direction from nearest town or city street address of well if located within city?
5 S + 1/2 E from Collins

2 WATER WELL OWNER: Richard Roberts
 RR#, St. Address, Box # : _____ Board of Agriculture, Division of Water Resources
 City, State, ZIP Code : Plains, KS 67864 Application Number: _____

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:  4 DEPTH OF COMPLETED WELL: 360 ft. ELEVATION: _____
 Depth(s) Groundwater Encountered 1. _____ ft. 2. _____ ft. 3. _____ ft.
 WELL'S STATIC WATER LEVEL: 175 ft. below land surface measured on mo/day/yr P-25-97
 Pump test data: Well water was 175 ft. after 1 hours pumping 50 gpm
 Est. Yield 50 gpm; Well water was _____ ft. after _____ hours pumping _____ gpm
 Bore Hole Diameter: 9 3/4 in. to 360 ft., and _____ in. to _____ ft.
 WELL WATER TO BE USED AS: 5 Public water supply 8 Air conditioning 11 Injection well
 Domestic 3 Feedlot 6 Oil field water supply 9 Dewatering 12 Other (Specify below)
 2 Irrigation 4 Industrial 7 Lawn and garden only 10 Monitoring well _____
 Was a chemical/bacteriological sample submitted to Department? Yes _____ No If yes, mo/day/yr sample was submitted _____
 Water Well Disinfected? Yes No _____

5 TYPE OF BLANK CASING USED: 5 Wrought iron 8 Concrete tile CASING JOINTS: Glued Clamped _____
 1 Steel 3 RMP (SR) 6 Asbestos-Cement 9 Other (specify below) Welded _____
 PVC 4 ABS 7 Fiberglass Threaded _____
 Blank casing diameter: 5 in. to 300 ft., Dia. _____ in. to _____ ft., Dia. _____ in. to _____ ft.
 Casing height above land surface: 18 in., weight _____ lbs./ft. Wall thickness or gauge No. 200 lb.
 TYPE OF SCREEN OR PERFORATION MATERIAL: PVC 10 Asbestos-cement
 1 Steel 3 Stainless steel 5 Fiberglass 8 RMP (SR) 11 Other (specify) _____
 2 Brass 4 Galvanized steel 6 Concrete tile 9 ABS 12 None used (open hole)
 SCREEN OR PERFORATION OPENINGS ARE: 5 Gauzed wrapped Saw cut 11 None (open hole)
 1 Continuous slot 3 Mill slot 6 Wire wrapped 9 Drilled holes
 2 Louvered shutter 4 Key punched 7 Torch cut 10 Other (specify) _____
 SCREEN-PERFORATED INTERVALS: From 300 ft. to 360 ft., From _____ ft. to _____ ft.
 From _____ ft. to _____ ft., From _____ ft. to _____ ft.
 GRAVEL PACK INTERVALS: From 20 ft. to 360 ft., From _____ ft. to _____ ft.
 From _____ ft. to _____ ft., From _____ ft. to _____ ft.

6 GROUT MATERIAL: 1 Neat cement 2 Cement grout Bentonite 4 Other _____
 Grout intervals: From 4 ft. to 20 ft., From _____ ft. to _____ ft., From _____ ft. to _____ ft.
 What is the nearest source of possible contamination:
 1 Septic tank 4 Lateral lines 7 Pit privy 10 Livestock pens Abandoned water well
 2 Sewer lines 5 Cess pool 8 Sewage lagoon 11 Fuel storage 15 Oil well/Gas well
 3 Watertight sewer lines 6 Seepage pit 9 Feedyard 12 Fertilizer storage 16 Other (specify below)
 13 Insecticide storage _____
 Direction from well? N How many feet? 30

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	5	Topsoil			
5	15	brown clay			
15	25	white clay			
25	55	brown clay			
55	60	sand			
60	100	brown clay			
100	260	sand + gravel			
260	300	blue clay + sand			
300	360	sand + gravel			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) 8-29-97 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 101 This Water Well Record was completed on (mo/day/yr) 9-22-97 under the business name of Bartel Well Drilling, Inc. by (signature) Richard J. Bartel

INSTRUCTIONS: Use typewriter or ball point pen. PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Topeka, Kansas 66620-0001. Telephone: 913-296-5545. Send one to WATER WELL OWNER and retain one for your records.

RECEIVED
 JUL 09 2019
 Garden City Field Office
 Division of Water Resources

OFFICE USE ONLY

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



P.O. Box 639
 Garden City, KS 67846
 Fax: 620-277-0224

LAYNE ANGELL 620-629-0124

Customer Name: Layne Angell WO#: 12024 Date: 11-13-17
 Street Address: P.O. Box 249 Test #: 1 E LOG:
 City, State: PLAINS, KS 67869 Driller: Dale Guinn
 County: Meade Quarter: NE Section: 31 Township: 32 Range: 29
 Location: GPS: N37.22756 W100.51315
 Rig #: 10002 Elevation: 2701' Static WL: 240' Estimated?
 Proposed Well Depth 521'

WELL LOCATION 20' SURF

%	Footage			Description of Strata
	From	Pay	To	
	0		2	Top Soil
	2		40	Brown Sandy Clay w/some caliche mixed
	40		47	Sand fine to med course w/couple small gravel
	47		70	Brown Clay
	70		89	Sand fine to med course
	89		98	Brown sandy clay w/couple sand ledges
	98		130	Sand fine to med course
	130		133	Brown Clay
	133		213	Sand fine to med some course
	213		226	Brown sandy clay w/couple sand ledges
30	226	40	280	Sand fine to med course - used some water - Drilled loose
25	280	80	360	Sand fine to med fine course - used some water - Drilled loose
15	360	29	389	Sand fine to med fine course w/some clay ledges
25	389	64	453	Sand fine to med - Drilled loose - used water
30	453	8	461	Sand fine to med course - used water -
5	461	17	478	Brown sandy clay w/few blue rock + some fine sand strips
15	478	23	501	Fine sand w/few fine rock strips + couple clay stringers - Drilled loose in places -
	501		520	Red Bed
		261		
				Super Gel X -1
				Grout -5
				Bent. Plug 3/4 -6
				Perms Plug -1
				4 3/4 Drag 13/16 -1

Garden City Field Office
 (Phone) (Water Resources)

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

5231 ft N and 1812 ft W of the SE Corner of Section 31, T 32S, R 29W

Located at: 100.513150 West Longitude and 37.227563 North Latitude

GROUNDWATER ONLY

File Number	Use	ST	SR	Dist (ft)	Q4	Q3	Q2	Q1	FeetN	FeetW	Sec	Twp	Rng	ID	Batt	Auth_Quan	Add_Quan	Unit	
A__ 11923	00	IRR	NK	G*	2318	--	SW	SW	NE	-----	-----	31	32	29W	1		540.00	540.00	AF
A__ 29841	00	IRR	NK	G	5159	--	--	CW	SW	1320	5180	31	32	29W	2		492.00	492.00	AF

Total Net Quantities Authorized:	Direct	Storage
Total Requested Amount (AF) =	.00	.00
Total Permitted Amount (AF) =	.00	.00
Total Inspected Amount (AF) =	.00	.00
Total Pro_Cert Amount (AF) =	.00	.00
Total Certified Amount (AF) =	1032.00	.00
Total Vested Amount (AF) =	.00	.00
TOTAL AMOUNT (AF) =	1032.00	.00

An * after the source of supply indicates a pending application for change for the file number.
 An * after the ID indicates a 15 AF exemption was granted for the file number.
 A "G" in the Batt column indicates the GEO CTR of a battery. A "B" indicates a well in the battery.
 The number in the Batt column is the number of wells in the battery.

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

100.513150 West Longitude and 37.227563 North Latitude

GROUNDWATER ONLY

WATER USE CORRESPONDENTS:

File Number	Use	ST	SR
A__ 11923	00	IRR	NK G
> LAYNE ANGELL			
>			
> P O BOX 249			
> PLAINS KS 67869			

A__ 29841	00	IRR	NK G
> DAN PACE			
>			
> 22002 S PARTRIDGE RD			
> PRETTY PRAIRIE KS 67570			

Increased Spacing.

*Domestic in Sect. 31 is Applicant's
 Domestic in Sect. 29 Listed as Richard Roberts
 9109 R Road
 Plains, KS 67869*

RECEIVED
 JUL 09 2019
 Garden City Field Office
 Division of Water Resources

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



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

Mike Beam, Secretary

Laura Kelly, Governor

June 25, 2019

SOUTHWEST KANSAS GROUNDWATER
MANAGEMENT DISTRICT NO. 3
409 CAMPUS DRIVE, SUITE 106
GARDEN CITY KS 67846

Re: Water Right File No. 11923

Dear Mr. Norquest:

This is to advise you that ^{Layne Angell}~~Donnie Young~~ has filed an application for approval of the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, to change the point of diversion for the above referenced file.

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,

A handwritten signature in blue ink, appearing to read "Michael A. Meyer".

Michael A. Meyer
Water Commissioner

MAM
Enclosures

Meyer, Mike [KDA]

From: Meyer, Mike [KDA]
Sent: Tuesday, June 25, 2019 7:02 AM
To: 'Norquest, Jason (Norquest@gmd3.org)'
Subject: request for recommendation, File No. 11923
Attachments: 20190625065218723.pdf

Good morning

Attached is a request for a recommendation after review of the the application to change the point of diversion by Layne Angel. There are no known wells within one half mile of the proposed location. Please provide comments and your review within 15 days.

thanks

Mike