MANAGEMENT PLAN- Amended

For the Designation of a Water Conservation Area (WCA) Townsend WCA; Sherman County, KS January 2018 through December 2022

In order to conserve and extend the productive life of the aquifer in our region and increase the value and viability of our water rights and water resources for future generations we, the undersigned water right owners propose the following management plan, pursuant to K.S.A. 82a-745 (WCA Law), to form the basis of a Consent Agreement and Order Designating a Water Conservation Area (WCA).

Expression of Conservation Goals

We, the water right owners desire to conserve and extend the productive life of the Ogallala Aquifer within Sherman County. The purpose of the Townsend WCA is to continue to manage and rotate crops types and varieties to maximize/maintain profitability while continuing to reduce water use over long term averages. We have been committed to these farm practices for an extensive time period and plan on continuing these practices while finding additional methods to reduce water use from long term averages.

We recognize the need to conserve the Ogallala Aquifer within Sherman County as water table declines continue at an unsustainable rate. We are committed to a reduction in water use from a long term average of 12.10 inches per acre to 11.80 inches per acre on our average irrigated acres of 3565. Our long-term average water use equals 3594 acre-feet per year and we are committed to reducing this to 3510 acre-feet per year on average over the period of this WCA. We propose a WCA term of 5-years commencing on January 1st, 2018 and ending on December 31st. 2022. The proposed reduction in water use equates to maximum 17550 acre-feet over the term of the WCA.

Based on the currently authorized Local Enhanced Management Area (LEMA) Plan all of the irrigation water rights are located in townships with 1-2% or greater decline and would receive 14.5 to 16.38 inches per irrigated acre. The LEMA plan would allocate a total of 25708 acre-feet over the 5-year plan. We recognize that this quantity is not sustainable long term and desire to reduce water below long term averages and below the current LEMA allocation. We also recognize the proposed WCA plan is the first step in reducing water usage and additional reductions may be necessary in future WCA plans to extend the productive life on the Ogallala Aquifer within Sherman County.

Water Rights Enrolled and Geographic Boundaries

This WCA shall include the water rights listed in the attached document. This list includes details of all points of diversion associated with those water rights; as well as legal descriptions of the locations of the points of diversion and/or identification numbers.

The current total appropriations authorized for all water rights included in this WCA are 8406 acre-feet (AF) per year, with an average annual irrigation use during the period 2003-2016 of 3594AF. With an approximate 4% reduction from the historical annual average use, the 5-year WCA allocation is 17550 AF.

The geographic boundary for this WCA is shown on the attached map(s) and attached table defined by legal locations. This table includes total acres and legal definitions by section, township, and range of the WCA boundary.

Findings Regarding Groundwater Conditions

We understand that the WCA Law requires a finding that one of the following circumstances be present within the area geographic boundaries of this WCA; specified in K.S.A. 82a-1036 (a) through (d):

- a) Groundwater levels in the area in question are declining or have declined excessively;
- b) The rate of withdrawal of groundwater in the area equals or exceeds the rate of recharge within such area;
- c) Preventable waste of water is occurring or may occur within the area in questions; or
- d) Unreasonable deterioration of the quality of water is occurring or may occur within the area in question

and amendments thereto, exist, or include a finding or findings that the area within the geographic boundaries described in paragraph (1) has been closed to new appropriations by rule, regulation or order of the Chief Engineer.

We have been informed that the following conditions exist:

- a) Groundwater levels in the area in question are declining or have declined excessively;
- b) The rate of withdrawal of groundwater in the area equals or exceeds the rate of recharge within such area; and
- c) The area has been closed to new appropriations by rule, regulation or order of the Chief Engineer.

These conditions suggest the advisability of implementing this WCA.

See the attached maps and figures supporting these findings and observations. Such attached documents may include:

- Detailed table with description of WCA geographic boundaries and legal descriptions of water rights - Attachment A
- Maps with WCA geographic boundaries defined- Attachment B
- Estimated useable life maps (if available) Attachment C
- Changes in water levels (if available) Attachment D & E
- Summary of water use history Attachment F
- KGS Observation well(s) data (if applicable) Attachment G
- KDA-DWR Theis analysis report(s) (if applicable) Attachment H

Per the Corrective Controls Provisions and Plan for Conservation Section under this WCA management plan it has been determined that the proposed provisions listed will not significantly affect nearby points of diversion. This has been determined by a Theis analysis conducted by the Kansas Department of Agriculture. The Theis report(s) for the water rights in question are included in the attached documents.

Due Consideration for Past Conservation

We acknowledge that as described in the law, a water conservation area (WCA) management plan shall give due consideration to water users who have previously implemented reductions in water use resulting from voluntary conservation measures. We, the water right owners, we request the Chief Engineers consideration of the following conservation measures be considered and enumerated under this plan.

For three generations, starting with the onset of irrigation in Sherman county in the early 1950's our family has planted and produced a variety of crops focusing on the production of dry edible beans. The current rotation of corn, dry beans, and wheat has been judiciously mastered since the 1974 to increase production and enhance or maintain financial stability of our operation. The rotation is a significant reduction in water usage over time, and continues to be a viable alternative to standard corn production practice.

In addition to our crop production strategies, the operation was an early adopter to LEPA irrigation on all pivots to reduce evaporation and increase crop water use efficiency. We worked closely with the developers of this system and also participated in gypsum block research technology to monitor soil moisture levels. We continue to seek ways to conserve water through the use of technology with the installation and use of soil moisture probes, and Ag Sense system monitors and controls on the majority of our irrigated acres.

Recently, in addition to our past practices we have introduced spring yellow peas to the rotation as a limited irrigation alternative. After harvest the yellow peas are followed with a forage crop of turnips and radish for fall livestock grazing. This addition allows us to reduce water use, diversify and maintain the economics of our operation.

We are and will always continue to look for measures that conserve water, diversify our operation, and maintain a positive cash flow in the ever changing agricultural environment.

Corrective Control Provisions and Plan for Conservation

We acknowledge that the following corrective controls will be in effect within this WCA during the term of the WCA period listed:

- 1. Water rights, at the discretion of the owners, may be pumped as directed by the owner, provided that:
 - a. All points of diversion are limited to their annual authorized quantity unless explicitly authorized under this plan.
 - b. All points of diversions are limited to their current authorized pumping rates.
 - c. The combined of water use under all water rights combined shall be limited to no more than 17550 acre-feet for the 5-year duration of this plan.
- 2. The corrective control provisions of this WCA cannot conflict with the rules and regulations of the local GMD that result in greater overall conservation of water resources. If a Local Enhanced Management Area (LEMA) plan or an Intensive Groundwater Use Control Area (IGUCA) is formed after the initiation of this WCA, and the WCA is partially or wholly within the LEMA or IGUCA, the

corrective control provisions that result in the greater overall conservation of water resources based on inches per acre and not based on percent reduction of average historical use shall prevail. However, any LEMA or IGUCA must give due consideration to the conservation achieved by WCA participants pursuant to 82a-745(a)(6). The Chief Engineer is authorized to amend the provision of the WCA to conform to any rules, regulations, or requirements that result in greater conservation of the water resource subject to the foregoing due consideration for past and current conservation.

We, the water right owners enrolling in this WCA understand we may gain the following additional incentive(s) in consideration for our WCA participation.

- 3. Water Right # 11944 (PDIV# 43988) maybe over-pumped by up to an additional 20 AF/YR for a total of 193 AF/YR.
- 4. Water Right #11944 (PDIV# 44559) may be over-pumped by up to an additional 20 AF/YR for a total of 297 AF/YR
- 5. Water Right #25799 (PDIV# 45933, 10686, & 35290) may be over-pumped by up to an additional 20 AF/YR for a total of 739 AF/YR.
- 6. Up to the annual WCA allocation (3565 AF) may be carried over if unused during the duration of this WCA period. In order to for the carryover quantity to be included, all owners must enter into agreement to participate into a subsequent WCA by December 31st of the last year of this WCA period.
- 7. The addition of dry acres not currently authorized by any of the water rights maybe added through the issuance of a term permit(s). Term permits will take under consideration potential impairment to neighboring water rights.
- 8. Term Permit No. 20219001 authorizes a one time, additional 151 AF for the calendar year of 2020 to be diverted by and within the current place of use authorized by water right file no. 11,944. This amount is not to exceed the total 5- year allocation of 25,708 AF currently established by this WCA.
- 9. Term Permit No. 20219047 authorizes the use of the well authorized by water right no. 12,936 within its currently authorized place of use, provided that the quantity diverted does not exceed the currently authorized rate of 920 gallons per minute and quantity of 310 acre feet per calendar year and also does not exceed the total WCA allocation total of 25,708 during the 2018-2022 term.

Compliance Monitoring and Enforcement

We, the owners, understand that the following compliance monitoring and enforcement provisions are proposed. This section also includes any specific provisions regarding measuring or reporting water usage.

There are two (2) recognized observation well(s) within the WCA boundary that has for many years been measured annually by the Kansas Geological Survey (KGS). See attached maps for locations. The well(s) will continue to be measured annually and the data collected will help in evaluating the effectiveness of the WCA. An onsite observation well may be necessary to monitor the local water level more accurately.

We will submit an annual report no later than March 1st and maintain a spreadsheet detailing the following information for each well and all wells combined: beginning and ending meter readings,

quantity of water diverted, acres irrigated, the inches per acre, and the quantity of water remaining for the WCA period listed. These records will be available to KDA-DWR upon request.

We will ensure backup measurements will be supported or an alternate measurement device will be available to be put into service in case the water flowmeter record for any given well is questionable or not reliable.

We acknowledge that water flowmeters within the WCA may be sealed to the measurement chamber by KDA-DWR during the duration of this management plan to ensure an accurate water use record.

We, water right owners within this WCA shall be responsible for ensuring the water flowmeters comply with state and local law(s). Any water right owner or authorized designee who finds a flow meter that is inoperable or inaccurate shall within 48 hours contact the KDA-DWR concerning the matter. Whenever an inoperable or inaccurate meter is repaired or replaced, the owner or authorized designee shall notify the KDA-DWR within seven (7) days on a form prescribed by the Chief Engineer of the water flowmeter installation and any water flowmeter repair or replacement event.

We acknowledge that failure to abide by the terms of this agreement may result in the termination of the WCA. Failure to abide by the terms, conditions, and limitations of the individual water rights will be subject to the civil penalties outlined in K.A.R. 5-14-10 and K.A.R. 5-14-12.

Review of Effectiveness

We acknowledge that a review of this WCA shall be completed prior to November 1st of the final year of the WCA period listed to ensure the above terms remain appropriate and are achieving the stated goals of this WCA. Should the Chief Engineer find that the terms are no longer appropriate or that no progress has been made towards the stated goal, the Chief Engineer may refuse to renew a WCA and may suggest new terms and goals. We understand that upon review, and a finding by the Chief Engineer that the WCA has achieved or made progress towards its goals and that the same terms me be included in a subsequent WCA for another designated period. The terms of the WCA may be continued as long as this WCA is in good standing with its most recent WCA period and upon formal approval by the Chief Engineer. The Chief Engineer shall issue findings addressing the terms and goals of the existing management plan prior to any renewal of a subsequent WCA.

We acknowledge that unless terminated under the provisions below (e.g. due to the development of a LEMA), the WCA will be in effect for the listed period with an evaluation at the end of every WCA period. We understand that KDA-DWR will conduct this evaluation to ensure compliance and conservation. The evaluation will determine total water use during the WCA period.

We acknowledge that should an order of designation for a LEMA be implemented prior to end of this WCA period, an evaluation of this WCA will be conducted the year prior to the start of a LEMA. This evaluation may be used to determine an additional allocation amount of water to be carried over into a LEMA; should this be the case.

Member addition, withdrawal, and removal

We acknowledge that the water right owners and their associated water right(s) and geographic boundaries may be added to the WCA upon written notification to the Chief Engineer by the owners of each enrolling water right with legal descriptions of the areas to be added. A member may withdrawal from the WCA through written notification to the Chief Engineer signed by the owners of the participating water right or rights to be withdrawn from the WCA.

If the addition or withdrawal of water rights requires modification to the water allocation quantities, geographic boundaries, places of use, terms, or conditions of the original WCA, the management plan shall be revised to incorporate such changes and the associated consent agreement shall be reaffirmed by all parties, after opportunity for comment on the proposed revisions by the applicable GMD.

Termination

We acknowledge this WCA agreement may be terminated by written notification, signed by all thenexisting members of the WCA, to the Chief Engineer of the intent to terminate.

We also acknowledge that the Chief Engineer may terminate this WCA upon findings that it is not being upheld to its terms. Such termination shall give notice and require a full evaluation of the WCA and water rights associated to ensure follow up actions.

State Law

We acknowledge that this WCA is subject to compliance with all other applicable state laws.

Notification to Nearby Owners

We acknowledge that, by statue, the Chief Engineer is required to provide written notification to all water right owners with a point of diversion within ½ of a mile, or farther if deemed necessary, by a rule and regulation of the Chief Engineer, of the geographic boundaries of this WCA.

Assurances

We acknowledge this WCA will not alter the terms, conditions, and limitations of the base water rights.

Review of Other Applicable Requirements

We acknowledge that upon review, this WCA management plan was found to effect equal or greater overall conservation than applicable GMD regulations, LEMA, and IGUCA requirements.

Participant's Agreement

By signing below, we, the water right owners, agree that this management plan is fair and equitable. This management plan, provided to the Chief Engineer and water right owners, is the expressed written intent of the parties and the whole agreement between the parties. We, the water right owners agree to be bound by all the terms contained in this management plan and understand that the provisions of this agreement shall be construed to give effect to the provisions listed. We, the water right owners also agree that this management plan is the basis for a consent agreement among the Chief Engineer and the undersigned water right owners, and therefore any order and consent agreement issued by the Chief Engineer,

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designating this WCA, shall be binding upon all parties as the necessary formal implementation of this management plan.

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FOR THE PARTICIPANTS: All participating water right owner(s) signing below, affirm their approval of this WCA management plan and if approved by the Chief Engineer allow consent to the Chief

Engineer to formally approve the designation of this Water Conservation Area, described herein, by means of a Consent Agreement and Order.

Date: 1/24/21

John H Golden Trust Owner 14193, 16400, 11944; 20219001

Water Right No(s). 14193

PO Box 330, Goodland, KS 67735-0330

Full Mailing Address

JS house & St -tol. mt

785 821 2443

Email Address

Phone Number

ACKNOWLEDGMENT OF NOTARY

State of Kansas)
) SS
County of Sherman)
Acknowledged before m	e on 7.76.21
by Gennifer G. H	raise
Signature Secur	Dud
	Notary Public
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My commission expires	s: <u>5-8-27</u>
	(Notary Seal)

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Stockton Field Office Division of Water Resources FOR THE PARTICIPANTS: All participating water right owner(s) signing below, affirm their approval of this WCA management plan and if approved by the Chief Engineer allow consent to the Chief

Engineer to formally approve the designation of this	Water Conservation Area, described herein, by
means of a Consent Agreement and Order.	
Ad Astra Per Aspera Owner (Signature)	Date:
, , ,	201
Water Right No(s). 14193, 16400, 11944, 202190	001
PO Box 913, Goodland, KS 67735-0913 Full Mailing Address	
aghouse e statel net	785 821 2443
Email Address	Phone Number
<u>ACKNOWLEDGMEN</u>	T OF NOTARY

County of Sherman

Acknowledged before me on 7.26.21

by Gennifer Co. House

Signature: Sery Student Public

NOTARY PUBLIC - State of Kansas

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My Appt. Prology Sold

State of Kansas

My commission expires: <u>8-8-27</u> (Notary Seal)

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FOR THE PARTICIPANTS: All participating water right owner(s) signing below afterwater resources approval of this WCA management plan and if approved by the Chief Engineer allow consent to the Chief Engineer to formally approve the designation of this Water Conservation Area, described herein, by means of a Consent Agreement and Order.

Leo R Townsend Trust Owner (Signature)
Water Right No(s). 3900, 26905, 8637, 10299, 24534, 18126, 23916, 29206

105 E 14th Street, Goodland, KS 67735-0913
Full Mailing Address

Townsend State Lines 785 821 2997

Alown senda of tel, wet

787 2 77

Email Address

Phone Number

ACKNOWLEDGMENT OF NOTARY

State of Kansas

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County of Sharman

Acknowledged before me on 9-3-202

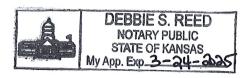
by Nobbus.

Signature: Jobbon S. Hood

Notary Public

My commission expires: 3-24-2025

(Notary Seal)



FOR THE PARTICIPANTS: All participating water right owner(s) signing below, affirm their approval of this WCA management plan and if approved by the Chief Engineer allow consent to the Chief Engineer to formally approve the designation of this Water Conservation Area, described herein, by means of a Consent Agreement and Order. Date: Mathematicipating water right owner(s) signing below, affirm their approval of this WCA management to the Chief Engineer allow consent to the Chief Engineer to formally approve the designation of this Water Conservation Area, described herein, by means of a Consent Agreement and Order. Date:
7373E 29 th St., N Apt W226, Wichita, KS 67226-3459
Full Mailing Address
KeVIN/63CCox.net 316-644-1847
Email Address Phone Number
ACKNOWLEDGMENT OF NOTARY
State of Kansas)
County of Sedquick)
Acknowledged before me on 06 29 2021
Lange Ciller
Signature: Kobert & Wys
Notary Public ROBERT L. WILSON Notary Public - State of Kansas My Appt. Expires
My commission expires: 11.14.2024 (Notary Seal)

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Stockton Field Office
Division of Water Resources
Division of Water Resources

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FOR THE PARTICIPANTS: All participating approval of this WCA management plan and if approved Engineer to formally approve the designation of this means of a Consent Agreement and Order. Ray and Ellen Townsend, Owner (Signature)	by the Chief Engineer allow consent to the Chief
Water Right No(s). 15634, 6140, 7775, 10573	
707 Wheatridge CIR APT# 111, Goodland, KS 6 Full Mailing Address	7735-8718
about ks & me, com	785-821-2626
Email Address	Phone Number
ACKNOWLEDGMEN	TT OF NOTARY
State of Kansas) SS County of Sherman Acknowledged before me on 3/25/21 by Nicole Roeder Signature: Notary Public	NOTARY PUBLIC - State of Kansas NICOLE ROEDER My Appt Expires 4425
My commission expires:(Notary Seal)	

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Stockton Field Office Division of Water Resources

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JAN 05 2022

FOR THE PARTICIPANTS: All participating water approval of this WCA management plan and if approved by the Engineer to formally approve the designation of this Water means of a Consent Agreement and Order.	ne Chief Engineer allow consent to the Chief
Hornbrook Trust-Dianne D Hornbrook Trustee, Owner (Water Right No(s). 11057, 26742	Signature)
8101 E Mississsippi Ave Apt. # 356 Denver, CO 8024	47-1158
Full Mailing Address	
Email Address Pho	one Number
ACKNOWLEDGMENT O	OF NOTARY
State of Kansas Colorado)) SS	
County of <u>Denver</u> Acknowledged before me on <u>10 Dec 2021</u> by <u>Dianne</u> Elizabeth Hornbrook	
Signature: More Notary Public	
My commission expires: 11 05 2025 (Notary Seal)	MELISSA MORENOGONZALEZ NOTARY PUBLIC STATE OF COLORADO NOTARY ID 20214043800 MY COMMISSION EXPIRES 11/05/2025

plan and if approved by the Chief Engineer allow consent to the Chief Engineer to formally approve the designation of this Water Conservation Area, described herein, by means of a Consent Agreement and Order.

Ross & Ashley Townsend

Water Right No(s). 9163; 17499; 27734

Date: 1-26-22

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FEB 0 4 2022

KS DEPT OF AGRICULTURE

5475 Road 14, Goodland, KS 67735

Full Mailing Address

Email Address

Phone Number

ACKNOWLEDGMENT OF NOTARY

State of Kansas

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County of Sherwan

Acknowledged before me on

by

Signature:

Notary Public

State to Kansas - KN7/1/2 . exp. Exp. &//7/2-3-

My commission expires:

(Notary Seal) 8 17 3 ->-

FOR THE PARTICIPANTS: All participating water right owner(s) signing below, affirm their approval of this WCA management plan and if approved by the Chief Engineer allow consent to the Chief Engineer to formally approve the designation of this Water Conservation Area, described herein, by means of a Consent Agreement and Order

FOR THE PARTICIPANTS: All participating water right owner(s) signing below, affirm their approval of this WCA management plan and if approved by the Chief Engineer allow consent to the Chief Engineer to formally approve the designation of this Water Conservation Area, described herein, by means of a Consent Agreement and Order.

JAN 1 2 2022

Stockton Field Office
Division of Water Resources

Date:

Alan Townsend Water Right No(s). 27734

POB 508, Goodland, KS 67735 Full Mailing Address

Email Address

Phone Number

ACKNOWLEDGMENT OF NOTARY

State of Kansas

) SS

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County of Sherman)

Acknowledged before me on

by

Signature:

Notary Public

My commission expires:

(Notary Seal)

NOTARY PUBLIC - State of Kansas
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My Appt Expires

Townsend WCA Management Plan

FOR THE PARTICIPANTS: All participating	
approval of this WCA management plan and if approved	
Engineer to formally approve the designation of this Wat of a Consent Agreement and Order.	Journal Trust
of a conscient and order.	
Defund 1/2	Date: 10 - 14- Z1
Richard W Townsend Revocable Trust	
Water Right No(s). 27734	
1340 Road 3, Weskan, Ks 67762-4040	_
Full Mailing Address	
Email Address	DI N
Email Address	Phone Number
ACKNOWLEDGMEN	T OF NOTARY
State of Kansas)	
) SS	
County of Wallace)	
Acknowledged before me on	<u>/</u>
by Stan Townsend trustee	<u>.</u>
Signature: Sulfay L Brost	
Notary Public	
and the state of t	A NOTARY PUBLIC - State of Kansas
	JEFFRY L. BRASE
	try Acat Expires 5-7-2024
My commission expires: $5-7-202$	<u>/</u>
(Notary Seal)	3

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Stockton Field Office Division of Water Resources FOR THE PARTICIPANTS: All participating water right owner(s) signing below, affirm their

approval of this WCA management plan and if approved by the Chie	f Engineer allow consent to the Chief
Engineer to formally approve the designation of this Water Cons	ervation Area, described herein, by
means of a Consent Agreement and Order.	
	te: 7/12/202/
Winifred James Trust Et al Owner (Signature)	
Water Right No(s). 25799	
23807 RD 55, Burlington, CO 80807	
Full Mailing Address	
	-342-1575
Email Address Phone Nu	mber
ACKNOWLEDGMENT OF NO	ΓΑΝΥ
State of Kansas Colorado) SS	
County of Kit Corson)	
Acknowledged before me on Challet 2 303/	
by Carlyle Games .	
Signature: Ban B. Dorman	
Notary Public	BARI R DORMAN
	NOTARY PUBLIC STATE OF COLORADO
	NOTARY ID 20154016343
_	MY COMMISSION EXPIRES JUNE 12, 2023
My commission expires: June 12. 2023	
(Notary Seal)	

FOR THE PARTICIPANTS: All participating water right owner(s) signing below, affirm their

approval of this WCA management plan and if approved	l by the Chief Engineer allow consent to the Chief
Engineer to formally approve the designation of this	Water Conservation Area, described herein, by
means of a Consent Agreement and Order.	Date: 8-30-21
Alan Townsend, Owner (Signature)	
Water Right No(s). 29206, 27734, 20219047	
PO Box 508, Goodland, KS 67735	
Full Mailing Address	
alantkse mo.com	785-821.2626
Email Address	Phone Number
ACKNOWLEDGMEN	NT OF NOTARY
State of Kansas)	
County of Sherman Acknowledged before me on 8/25/21	A NOTABLY DUBLIC CO
by Nicole Roeder	NOTARY PUBLIC - State of Kansas NICOLE ROEDER
. 1	My Appt Expires 6/4/25
Signature: Notary Public	
My commission expires:(\(\int_{4}/25\) (Notary Seal)	

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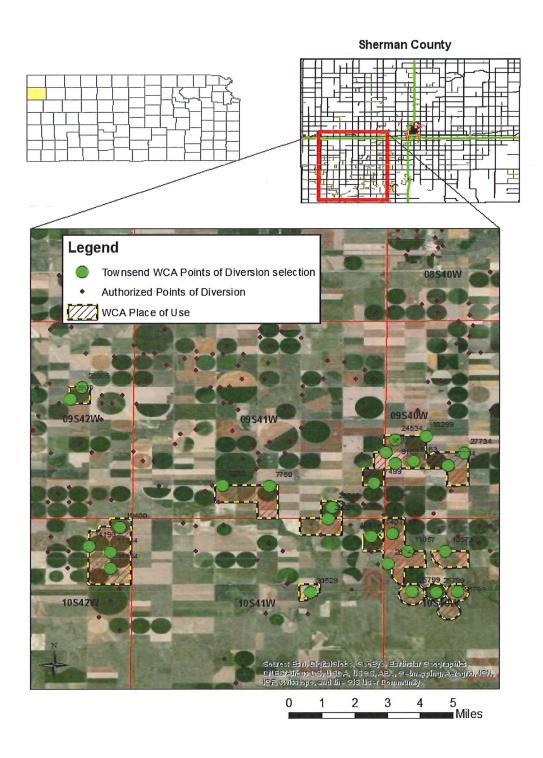
CERTIFICATE OF SERVICE	
I hereby certify that on this day of,	copies of the foregoing were sent via
first class, U.S. mail, to the following:	
	Kansas Department of Agriculture
	Staff Person

Attachment A Water Right #'s and Points of Diversion WCA Place of Use

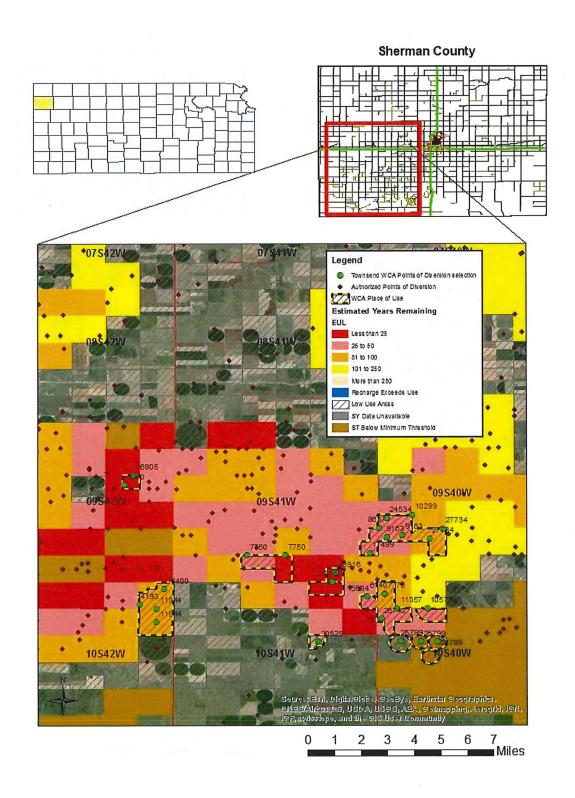
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6	108	40W					40	40	40	40	40	40	40	40					320
7	10S	40W	40	40	40	40	40	38.67	33	40	40	9	2	33					395.67
29	09S	40W	40	40	40	40	40	30	40	40					40	40	40	40	470
8	10S	40W	16	40	40	36	40	40	12	34									258
17	108	40W	30	30	30	30	30	30	30	30	12			24	2	24	40	8	350
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14193	1	42962	01-10S-42W
16400	2	30922	01-10S-42W
11944	1	44559	12-10S-42W
11944	2	43988	12-10S-42W
3900	1	26584	14-09S-42W
26905	4	31585	14-09S-42W
7750	1	26947	34-09S-41W
7750	1	46539	33-09S-41W
7750	4	86270	33-09S-41W
8637	1	33486	19-09S-40W
10299	2	4849	19-09S-40W
24534	3	23106	19-09S-40W
9163	1	27380	30-09S-40W
9163	2	48121	30-09S-40W
15634	3	41428	01-10S-41W
6140	3	67211	06-10S-40W
7775	3	67211	06-10S-40W
11057	1	17737	07-10S-40W
26742	4	46474	07-10S-40W
27734	2	3452	29-09S-40W
27734	3	37082	29-09S-40W
10573	1	11888	08-10S-40W
25799	2	10686	17-10S-40W
25799	1	35290	17-10S-40W
25799	1	45933	18-10S-40W
17499	2	37240	25-09S-41W
23916	2	17731	35-09S-41W
29206	2	9302	02-10S-41W

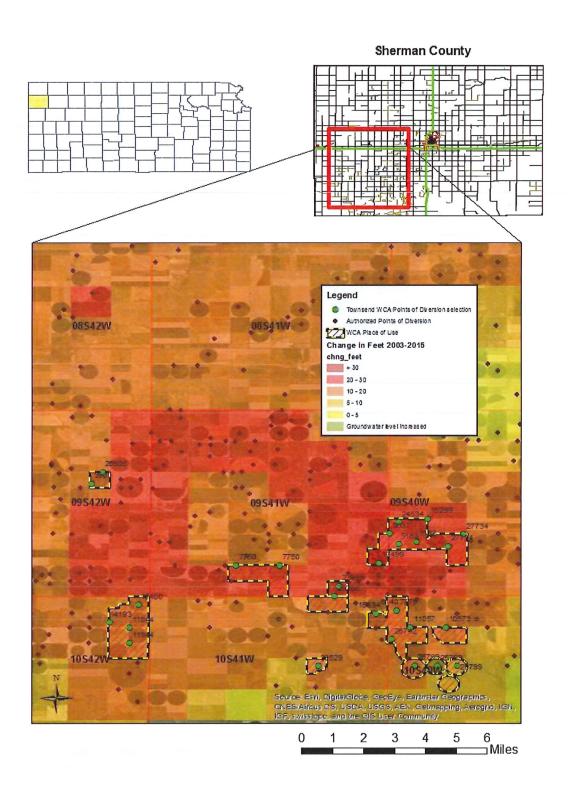
Attachment B Water Right Area Location Map Water Rights & Authorized Place of Use



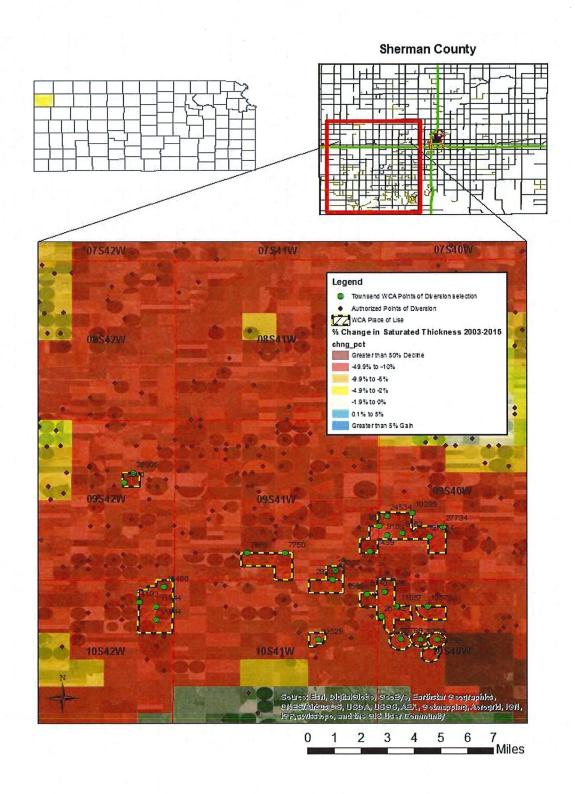
Attachment C Estimated Usable Life to Support 400 GPM



Attachment D Changes in Water Level (ft) from 2003 to 2015



Attachment E
Percent Change in Saturated Thickness from 2003 to 2015

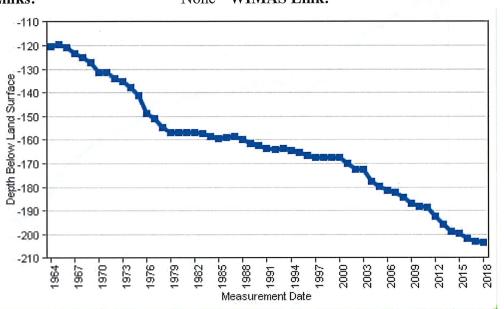


Attachment F Summary of Water Use History

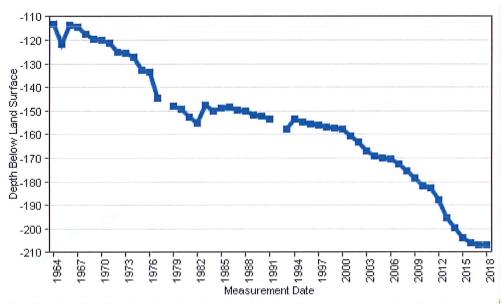
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YEAR	AF	Acres	AF	Acres	AF	Acres	AF	Acres	AF	Acres	AF	Acres	AF	Acre	AF	Acres	AF	Acres	AF	Acres	AF	Acres	AF	Acres	AF	Acres	AF	Acres	AF	Acres
2016	255	360	24	120	205	240	136	240	14	120	11		21	7 21	5 21	1	149	9 120	26	360	131		100		70	120	92		194	120
2015	346	200	130	98	142	240	47	240	51	120	39		38	2 23	1		30	0 120	6	360	23	Marte.	261		102	120	9		25	120
2014	237	240	41	120	202	240	109	240	86	120	39		35	2 23	1		139	9 120	12	360	108		172		48	120	6		126	120
2013	283	240	61	120	269	240	171	240	171	120	71		49	5 23	1		193	3 120	20	360	136		233		128	120	9		230	120
2012	324	240	191	120	199	240	169	240	150	120	80		52	4 23	1		258	8 120	50	360	228		236		192	120	25		239	120
2011	285	240	149	120	221	240	136	240	47	120	29		40	5 23	1		189	9 120	26	360	106		102		186	120	0		81	120
2010	64	240	124	120	154	240	159	240	72	120	31		32	9 23	1		170	0 120	24	360	70		80		13	120	0		76	120
2009	173	240	90	120	156	240	14	240	100	120	59		45	7 23	1		204	4 120	36	360	149		143		60	120	0		138	120
2008	223	240	138	120	248	240	141	240	125	120	59		39	4 23	1	1 1 3 3	17:	1 120	55	360	134	Mari	147.3		132	120	0		139	120
2007	221	240	148	120	295	240	211.8	240	12	120	11		41	4 21	5		206	6 120	39	360	96.67		101.3		0	120	0		110.5	120
2006	108	240	45.57	120	0	0	0	0	98	120	63		38	0 21	5	1,51	186	6 120	58	360	110.5		92.99		92.07	160	0	61	111.4	120
2005	119	240	77.34	120	66.29	120	88.38	120	103.1	120	2.946	5	26	3 21	5		146.2	2 120	66	360	109.6		112.3		26.01	160	115.1	79	111	120
2004	199	240	85.07	120	127.3	120	106.1	120	121.5	120	2.578	3	31	2 21	5		241.8	8 120	80	360	106.8		119.7		59.61	160	136.3		101.3	120
2003	199	240	92.8	120	26.52	120	110.5	120	110.5	120	2.762		125.	1 21	5 118.	4	226.9	9 120	79	360	115.1		133.5		32.22	160	105.9		110.5	120
AVERAGE:	216.85	245.71	99.77	118	177.77	212.31	122.97	212.31	90.08	129.23	35.73	3	0 360.6	5 22	4 23.5	3 (179.2	8 120.00	41.23	360.00	115.97	(145.29	0	87.76	141.54	35.59	0.00	128.05	120
FIL	E#	6140		7775		11057		26742	2	7734 - 1	D 2	27734 -	ID3	105	73	25799 -		25799 -		25799 -		174		239		292	06	С	ombine	d
FIL YEAR			res A		111		res A	26742 AF Ac					ID 3 Acres		73 Acres	25799 -		25799 -		25799 -		174		239		292	06 Acres	AF C	ombine Acres	DAY OF THE PERSON NAMED IN
YEAR	Al	F Acr	res A		es A	F Ac								105		25799 -	ID1	25799 -	ID 2	25799 -	ID1	174	199	239	16	292			Acres	IN/AC
YEAR	Al	F Acr			es A	F Ac	240	AF Ac		AF A	cres	AF A	Acres	105 AF	Acres	25799 - AF	ID 1 Acres	25799 - AF	ID 2 Acres	25799 - AF	ID 1 Acres	174 AF	199 Acres	239 AF	16 Acres	292 AF	Acres	AF	Acres	IN/AC
YEAR 20 20	Al 016 2 015 2	F Acr 284 2 208 2	240		es A	F Ac	240	167	0 0	286	acres 360	AF /	Acres	105 AF 121	Acres 120	25799 - AF 166	ID 1 Acres	25799 - AF 101	Acres	25799 - AF 209	ID 1 Acres	174 AF 112	199 Acres 120	239 AF 48	Acres	292 AF 200	Acres 240	AF 3625 2953	Acres 3841	IN/AC 11.33
YEAR 20 20 20	Al 016 2 015 2 014 2	F Acr 284 2 208 2 206 2	240	F Acr	es A	F Acc 41 37 9	240 240 240	167 124	0 0 0	286 203	360 240	AF A 55 49	Acres 0 0	105 AF 121 20	120 120	25799 - AF 166 130	ID 1 Acres 116 116	25799 - AF 101 116	Acres 125 125	25799 - AF 209 216	ID 1 Acres 145 145	174 AF 112 68	120 120	239 AF 48 45	16 Acres 120 120	292 AF 200 144	240 240	AF 3625 2953 2919	Acres 3841 3555 3617	11.33 9.97 9.68
YEAR 20 20 20 20	Al 2016 2 2015 2 2014 2 2013 3	F Acr 284 2 208 2 206 2 328 2	240 240 240	F Acr 0 0	es A	F Acr 41 37 9 61	240 240 240	167 124 137	0 0 0	286 203 148	360 240 240	AF	0 0 0	105 AF 121 20 12	120 120 120	25799 - AF 166 130 117	ID 1 Acres 116 116 116	25799 - AF 101 116 130	Acres 125 125 125	25799 - AF 209 216 181	ID 1 Acres 145 145 145	174 AF 112 68 19	199 Acres 120 120 120	239 AF 48 45 68	16 Acres 120 120 120	292 AF 200 144 169	240 240 240 240	AF 3625 2953 2919 4272	Acres 3841 3555 3617 3530	11.33 9.97 9.68 14.52
YEAR 20 20 20 20 20 20	Al 2016 2 2015 2 2014 2 2013 3 3 2012 3	F Acr 284 : 208 : 206 : 328 : 314 :	240 240 240 240	F Acr 0 0	es A	F Acr 41 37 9 61 60	240 240 240 240 240	167 124 137	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	286 203 148 234	360 240 240 120	AF	0 0 0	105 AF 121 20 12 88	120 120 120 120	25799 - AF	ID 1 Acres 116 116 116 116	25799 - AF 101 116 130 78	125 125 125 125 125	25799 - AF 209 216 181 211	ID 1 Acres 145 145 145 178	174 AF 112 68 19	199 Acres 120 120 120	239 AF 48 45 68 26	16 Acres 120 120 120 120 120	292 AF 200 144 169 225	240 240 240 240 240	AF 3625 2953 2919 4272	Acres 3841 3555 3617 3530 3530	11.33 9.97 9.68 14.52 18.17
YEAR 20 20 20 20 20 20 20	All 2 2 3 3 11 2 3 3 11 2 3 3 11 2 3 3 11 2 3 3 11 2 3 3 11 2 3 3 11 2 3 3 11 2 3 3 11 2 3 3 11 2 3 3 11 2 3 3 11 2 3 3 3 11 2 3 3 11 2 3 3 3 11 2 3 3 3 3	F Acr 284 2 208 2 206 2 328 3 314 2	240 240 240 240 240	F Acr 0 0	es A	F Aci 41 37 9 61 60 0	240 240 240 240 240 240 240	167 124 137 177 230	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	286 203 148 234 287	360 240 240 120 120	AF	0 0 0	105 AF 121 20 12 88 149	120 120 120 120 120 120	25799 - AF 166 130 117 151 179	ID 1 Acres 116 116 116 116 116	25799 - AF 101 116 130 78 132	125 125 125 125 125 125	25799 - AF 209 216 181 211 357	ID 1 Acres 145 145 145 178	174 AF 112 68 19 109 204	120 120 120 120 120 120	239 AF 48 45 68 26 121	16 Acres 120 120 120 120 120 120	292 AF 200 144 169 225 312	240 240 240 240 240 240	AF 3625 2953 2919 4272 5346 3765	Acres 3841 3555 3617 3530 3530 3530	11.33 9.97 9.68 14.52 18.17
YEAR 20 20 20 20 20 20 20 20 20 20 20 20	All 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	F Acr 284 2 208 2 206 2 328 2 314 2 285 2	240 240 240 240 240 240 240	F Acr 0 0	es A	F Act 41 37 9 61 60 0 1	240 240 240 240 240 240 240	167 124 137 177 230 144	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	286 203 148 234 287 191	360 240 240 120 120	AF	0 0 0	105 AF 121 20 12 88 149 126	120 120 120 120 120 120 120	25799 - AF	ID1 Acres 116 116 116 116 116 116	25799 - AF 101 116 130 78 132 103	125 125 125 125 125 125 125	25799 - AF 209 216 181 211 357 280	1D1 Acres 145 145 178 178	174 AF 112 68 19 109 204 156	120 120 120 120 120 120 120	239 AF 48 45 68 26 121 106	16 Acres 120 120 120 120 120 120 120 120	292 AF 200 144 169 225 312 251	240 240 240 240 240 240 240	AF 3625 2953 2919 4272 5346 3765 2716	Acres 3841 3555 3617 3530 3530 3530 3530	11.33 9.97 9.68 14.52 18.17 12.80 9.23
YEAR 20 20 20 20 20 20 20 20 20 20 20 20	All 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	F Acr 284 : 208 : 206 : 328 : 314 : 285 : 183 :	240 240 240 240 240 240 240 240	F Acr 0 0 0 0 0 0 0 0 0 0	es A	F Act 41 37 9 61 60 0 1 0 0	240 240 240 240 240 240 240 240	167 124 137 177 230 144 113	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	286 203 148 234 287 191 187	360 240 240 120 120 120	AF	Acres 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	105 AF 121 20 12 88 149 126	120 120 120 120 120 120 120 120	25799 - AF	ID1 Acres 116 116 116 116 116 116 116 116	25799 - AF 101 116 130 78 132 103 82	1D 2 Acres 125 125 125 125 125 125 125	25799 - AF 209 216 181 211 357 280 287	ID 1 Acres 145 145 178 178 178 178	174 AF 112 68 19 109 204 156 115	120 120 120 120 120 120 120 120	239 AF 48 45 68 26 121 106 93	16 Acres 120 120 120 120 120 120 120 120 120 120	292 AF 200 144 169 225 312 251 101	240 240 240 240 240 240 240 240	AF 3625 2953 2919 4272 5346 3765 2716 3219	Acres 3841 3555 3617 3530 3530 3530 3530	11.33 9.97 9.68 14.52 18.17 12.80 9.23 10.94
YEAR 20 20 20 20 20 20 20 20 20 20 20 20 20	All 2016 2015 2014 2013 3012 3011 2010 11 10 10 10 10 10 10 10 10 10 10 10	E Acre 284 2 208 2 206 2 328 314 2 285 2 183 2 266 2 266 2 2	240 240 240 240 240 240 240 240 240	Acr 0 0 0 0 0 0 0 0 0 0 0 0	es A	F Acid 41 37 9 61 60 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	240 240 240 240 240 240 240 240	AF Aci 167 124 137 177 230 144 113	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	286 203 148 234 287 191 187 211	360 240 240 120 120 120 120	AF	Acres 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	105 AF 121 20 12 88 149 126 77 55	120 120 120 120 120 120 120 120 120	25799 - AF	ID 1 Acres 116 116 116 116 116 116 116 116 116	25799 - AF 101 116 130 78 132 103 82 91	1D 2 Acres 125 125 125 125 125 125 125 125 125 125	25799 - AF	ID 1 Acres 145 145 145 178 178 178 178 178	174 AF 112 68 19 109 204 156 115	120 120 120 120 120 120 120 120 120	239 AF 48 45 68 26 121 106 93 34	16 Acres 120 120 120 120 120 120 120 120 120 120	292 AF 200 144 169 225 312 251 101 236	240 240 240 240 240 240 240 240 240	AF 3625 2953 2919 4272 5346 3765 2716 3219 3994	Acres 3841 3555 3617 3530 3530 3530 3530	11.33 9.97 9.68 14.52 18.17 12.80 9.23 10.94 13.58
YEAR 20 20 20 20 20 20 20 20 20 20 20 20 20	All 116 2 115 2 115 2 114 2 113 3 112 3 111 2 110 11 1 1009 2 108 2 1007 2 1007	E Acr 284 2 208 2 206 3 328 3 314 2 285 2 183 2 266 2 238 2	240 240 240 240 240 240 240 240 240	Acr 0 0 0 0 0 0 0 0 0 0 0 0	es A	F Acl 41 37 9 61 60 0 1 0 0	240 240 240 240 240 240 240 240 240 240	AF Acides	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	286 203 148 234 287 191 187 211 180	360 240 240 120 120 120 120 120 120	AF	Acres 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	105 AF 121 20 12 88 149 126 77 55 107	Acres 120 120 120 120 120 120 120 120 120 120	25799 - AF	ID 1 Acres 116 116 116 116 116 116 116 116 116 11	25799 - AF 101 116 130 78 132 103 82 91 101	1D 2 Acres 125 125 125 125 125 125 125 125 125 125	25799 - AF	ID 1 Acres 145 145 145 178 178 178 178 178 178	174 AF 112 68 19 109 204 156 115 127 112	120 120 120 120 120 120 120 120 120 120	239 AF 48 45 68 26 121 106 93 34 92	16 Acres 120 120 120 120 120 120 120 120 120 120	292 AF 200 144 169 225 312 251 101 236 253	240 240 240 240 240 240 240 240 240 240	AF 3625 2953 2919 4272 5346 3765 2716 3219 3994 3511	Acres 3841 3555 3617 3530 3530 3530 3530 3530 3530	11.33 9.97 9.68 14.52 18.17 12.80 9.23 10.94 13.58 11.99
YEAR 200 200 200 200 200 200 200 200 200 20	All 2 3 112 3 112 3 111 2 110 11 1 1009 2 2 1007 2 1006 2 2 1006 2 1007	E Acr 284 : 208 : 206 : 206 : 238 : 236 : 2251 : 2	240 240 240 240 240 240 240 240 240 240	Acr 0 0 0 0 0 0 0 0 0 0 0 0	es A	F Acid Acid Acid Acid Acid Acid Acid Acid	240 240 240 240 240 240 240 240 240 240	AF Acides 167	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	286 203 148 234 287 191 187 211 180 182	120 120 120 120 120 120 120 120	AF	Acres 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	105 AF 121 20 12 88 149 126 77 55 107 101	120 120 120 120 120 120 120 120 120 120	25799 - AF	ID 1 Acres 116 116 116 116 116 116 116 116 116 11	25799 - AF 101 116 130 78 132 103 82 91 101 89	1D 2 Acres 125 125 125 125 125 125 125 125 125 125	25799 - AF	ID 1 Acres 145 145 148 178 178 178 178 178 178 178 178	174 AF 112 68 19 109 204 156 115 127 112	120 120 120 120 120 120 120 120 120 120	239 AF 48 45 68 26 121 106 93 34 92 60.76	16 Acres 120 120 120 120 120 120 120 120 120 120	292 AF 200 144 169 225 312 251 101 236 253 255	240 240 240 240 240 240 240 240 240 240	AF 3625 2953 2919 4272 5346 3765 2716 3219 3994 3511 3155	Acres 3841 3555 3617 3530 3530 3530 3530 3530 3530 3530 353	11.33 9.97 9.68 14.52 18.17 12.80 9.23 10.94 13.58 11.99
YEAR 20 20 20 20 20 20 20 20 20 20 20 20 20	All 2 114 2 113 3 112 3 111 2 110 11 110 110 110 110 110 110 11	F Acr 284 : 208 : 206 : 328 : 314 : 2285 : 236 : 2266 : 238 : 251 : 306 :	240 240 240 240 240 240 240 240 240 240	Acr 0 0 0 0 0 0 0 0 0 0 0 0	es Al	F Acid Acid Acid Acid Acid Acid Acid Acid	240 240 240 240 240 240 240 240 240 240	AF Act 1124 1137 1177 1131 1178 1178 1179 1233 1258	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	286 203 148 234 237 191 187 211 180 182 167	120 120 120 120 120 120 120 120 120 120	AF	Acres	105 AF 121 20 12 88 149 126 77 55 107 101 175	120 120 120 120 120 120 120 120 120 120	25799 - AF	ID 1 Acres 116 116 116 116 116 116 116 116 116 11	25799 - AF 101 116 130 78 132 103 82 91 101 89 118.3	1D 2 Acres 125 125 125 125 125 125 125 125 125 125	25799 - AF	ID 1 Acres 145 145 148 178 178 178 178 178 178 178 178 178	174 AF 112 68 19 109 204 156 115 127 112 129	120 120 120 120 120 120 120 120 120 120	239 AF 48 45 68 26 121 106 93 34 92 60.76 72.18	16 Acres 120 120 120 120 120 120 120 120 120 120	292 AF 200 144 169 225 312 251 101 236 253 255 211	240 240 240 240 240 240 240 240 240 240	AF 3625 2953 2919 4272 5346 3765 2716 3219 3994 3511 3155 3191	Acres 3841 3555 3617 3530 3530 3530 3530 3530 3530 3530 353	11.33 9.97 9.68 14.52 18.17 12.80 9.23 10.94 13.58 11.99 12.32 10.79
YEAR 20 20 20 20 20 20 20 20 20 20 20 20 20	All 2 3 111 2 3 111 2 3 111 2 3 111 2 3 111 2 3 111 2 3 111 3 11 3 1	F Acr 284 : 208 : 206 : 328 : 314 : 285 : 183 : 236 : 2266 : 238 : 311 : 306 : 311 :	240 240 240 240 240 240 240 240 240 240	Acr 0 0 0 0 0 0 0 0 0 0 0 0	es Al	F Acid Acid Acid Acid Acid Acid Acid Acid	240 240 240 240 240 240 240 240 240 240	AF Accident	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	AF A A 286 203 148 234 287 191 187 211 180 182 167 130	120 120 120 120 120 120 120 120 120 120	AF	Acres	105 AF 121 20 12 88 149 126 77 55 107 101 175 101.1	Acres 120	25799 - AF	110 1 116 116 116 116 116 116 116 116 11	25799 - AF 101 116 130 78 132 103 82 91 101 89 118.3 122	1D 2 Acres 125 125 125 125 125 125 125 125 125 125	25799 - AF	ID 1 Acres 145 145 178 178 178 178 178 178 178 237	174 AF 112 68 19 109 204 156 115 127 112 129 136 123	120 120 120 120 120 120 120 120 120 120	239 AF 48 45 68 26 121 106 93 34 92 60.76 72.18 72.92	16 Acres 120 120 120 120 120 120 120 120 120 120	292 AF 200 144 169 225 312 251 101 236 253 255 211 167.9	240 240 240 240 240 240 240 240 240 240	AF 3625 2953 2919 4272 5346 3765 2716 3219 3994 3511 3155 3191 3633	Acres 3841 3555 3617 3530 3530 3530 3530 3530 3531 3530 354 3074	11.33 9.97 9.68 14.52 18.17 12.80 9.23 10.94 13.58 11.99 12.32 10.79

Attachment G KGS Observation Well Data

USGS ID: 391454101490901 KGS Local Well ID: 09S 40W 29BBB 01 Sherman PLSS Description: 9S 40W 29 NWNWNW County: **HUC 8 Code:** 10250010 **GMD**: Northwest Kansas GMD #4 GPS (within 50 feet) Longitude: -101.819553 Lat/Long Source: Latitude: 39.249071 Lat/Long Accuracy: 5 seconds 242 **Surface Elevation (ft):** 3782 **Depth of Well (ft):** Horsethief Draw NE **Geological Unit Codes:** TO USGS Map Name: Use of Site: Test Use of Water: Unused None **WWC5 Links:** None WIMAS Link:



KGS Local Well USGS ID: 391401101531801 09S 41W 34BAB 01 ID: Sherman PLSS Description: County: 9S 41W 34 NWNENW **HUC 8 Code:** 10260002 **GMD**: Northwest Kansas GMD #4 -101.889155 **Lat/Long Source:** GPS (within 50 feet) Longitude: Latitude: 5 seconds 39.234631 Lat/Long Accuracy: **Surface Elevation (ft):** 3841 Depth of Well (ft): 292 Horsethief Draw NW **Geological Unit Codes:** TO USGS Map Name: Use of Site: Withdrawal of Water Use of Water: Irrigation None WIMAS Link: **WWC5 Links:** 26947



Attachment H Theis Analysis

Theis analysis of File 25,799

A Theis analysis was performed to evaluate the impact of authorizing File 25,799 to divert an additional 20 acre-feet per year at the nearby well authorized by File 15,704. The proposed authorized quantity was compared against the average legal water use from 2007-2016 (Table 1) and to the authorized quantity (Table 2). The saturated thickness and transmissivity are from the Northwest Kansas Model projected for year 2068. The storage coefficient was assumed to be the projected saturated thickness multiplied by 10⁻⁵.

Table 1: Theis analysis of drawdown at File 15,704 compared to historic use. $T = 1,227 \text{ ft}^2/\text{d}$; S = 0.0006

	Rate	Volume Pumped (AF)		Distance	Drawdown (ft)		Change in Drawdown	
Pumping Well	(gpm)	Baseline	Proposed	(ft)	Baseline	Proposed	Feet	% of ST
18-10S-40W 1	850	241.2	334.0	1,568	58.93	65.36	6.43	10.59
17-10S-40W 1	600	138.0	208.0	4,175	24.57	29.85	5.28	8.69
17-10S-40W 2	575	102.3	217.0	6,731	14.70	23.22	8.52	14.03
		**************************************					20.23	33.31

Table 2: Theis analysis of drawdown at File 15,704 compared to authorized. $T = 1,227 \text{ ft}^2/\text{d}$; S = 0.0006

	Rate	Volume Pumped (AF)		Distance	Drawdown (ft)		Change in Drawdown	
Pumping Well	(gpm)	Baseline	Proposed	(ft)	Baseline	Proposed	Feet	% of ST
18-10S-40W 1	850	314.0	334.0	1,568	64.05	65.36	1.31	2.16
17-10S-40W 1	600	208.0	208.0	4,175	29.85	29.85	0.00	0.00
17-10S-40W 2	575	217.0	217.0	6,731	23.22	23.22	0.00	0.00
							1.31	2.16

Townsend WCA- Amendment Term Permit 20219947



