Kansas Department of Agriculture Division of Water Resources

CHANGE: P/D WORKSHEET

1. File Number:	2. Status Change Date:	3. Change Num:	4. Field Office:	5. GMD:
23675	3 29-2022	C1	4	3
6. Status: ☐ Approved ☐ Den	ied by DWR/GMD	Dismiss by Reques	t/Failure to Return	7. Filing Date of Change:
				2/23/2022
8a. Applicant(s), Landowners, WUC New to system □	Person ID 41103 Add Seq#	8c. Landown		Person Add Seq#
STEVE & KAREN UNRUM 650 WW RD COPELAND KS 67837	1			
8b. Landowner(s), New to system PRAIRIE AG LAND PAR 650 WW RD COPLENAD KS 67837	Person ID Add Seq# 「NERSHIP	8d. WUC New to sy	stem □	Person IDAdd Seq#
9. Documents and Enclosure(s): ☑ DV ☐ Anti-Reverse Meter ☐ Meter ☐ Conservation Plan Date Require	Seal	⊠ N & P Form	── ☑ Water Tube ☐ Di	Comply: 3/1/2023 riller Copy H & E Letter Comply:
10. Use Made of Water From:		To: _		
			Date Prepared: 3/29/2 Date Entered:	2022 ву: МАМ Ву:

File No. 2367	5	11. County:	: HS	Ва	sin: AF	RKANS	SAS RI	IVER			St	ream:								rmation Co	ode:	Special Use:	
12. Points of Div	ersion														Rate a	and Qu	antity						
MOD															А	uthoriz	zed		Ad	dditional			
DEL PDIV ENT	Qualifier	S	Т	R	ID	ı	N	'W		Com	ment ((AKA L	ine)		Rate gpm		Quantit af	у	Rate gpm			Overlap PD Files	
DEL 39130																							
ENT	NENWNW	17	27S	31W		43	389	464	9						720		353		720	35	3	44886	
13. Storage: Rate	e		NF	Qua	ntity					ac/ft	Ad	ddition	al Rat	e				NF	Addi	tional Quar	ntity		_ ac/ft
14. Limitation:		af/yr	at			(gpm (_			(cfs) wh	nen co	mbine	d with	file nu	umber(s)	No.					
Limitation:		af/yr	at				gpm (_				cfs) wh	nen co	mbine	d with	file nu	umber(s)						
15. 5YR Allocatio																							
16. Place of Use CHK				N	E1/4			NV	V ¹ / ₄			sv	V¹/4			S	E1⁄4		Total	Owner	Chg?	Overlap Files	
MOD DEL ENT PUSE	S T P	ID	NE		SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1⁄4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4					
CHK 570	3 1 K	10																		8a	Υ	44886	
CHK 32633	}																			8b	Υ	44886	
Base Acres:	Year:	N	Minimu	m Reas	sonable	e Quar	ntity:																
Comments:																							



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

Mike Beam, Secretary

Laura Kelly, Governor

March 29, 2022

STEVE & KAREN UNRUH 650 WW RD COPELAND, KS 67837

RE:

Field Office Application for Change Water Right, File Nos. 23675 & 44886

Dear Sir and Madam:

Enclosed are orders executed by the designee of the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, approving the applications for change under the above referenced file numbers.

Your attention is directed to the enclosures and to the terms, conditions, and limitations specified in this approval for change. Conditions of these approvals are 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. Also please note the additional condition attached to the approval.

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

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

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

Sincerely,

Michael A. Meyer Water Commissioner

MAM enclosures

pc:

Prairie Ag Land Partnership

Groundwater Management District No. 3

CERTIFICATE OF SERVICE

On this 29th day of March 2022, I hereby certify that the foregoing Approval of Application for Change in Point of Diversion, Water Right, File Nos. 23,675 & 44,886 dated 29rd day of March 2022 was mailed postage prepaid, first class, US mail to the following:

STEVE & KAREN UNRUH 650 WW RD COPELAND, KS 67837

Pc:

PRAIRIE AG LAND PARTNERSHIP 650 WW RD COPLENAD KS 67837

GROUNDWATER MANAGEMENT DISTRICT NO. 3

Division of Water Resources Staff

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

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

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



STATE OF KANSAS

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

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

of di	iversion and/or pl	lace of	use.												RI	ECE	EIVE	ED
					F	ile No	. 2367	5							F		3 20	
1.	Application is he	ereby n	nade fo	or appr		f the C		nginee		ange t			ne or b	oth): Di	Garde vision	en City	y Field ater Re	Office esources
	under the water	right w	vhich is	s the su	ubject	of this	applic	ation i	n acco	rdance	with t	he cor	dition	s desc	ribed b	elow.		
	The source of su	upply is	s:		⊠G	round	water			Surfac	ce wate	er						
2.	Name and addre	ess of	Applica	ant: S1	ΓEVE	UNRU	Н											
	650 WW RD CC																	
	Phone Number:	(620)	757-04	104				Email	addres	ss: su	nruh26	658@g	mail.c	om				
	Name and addre	ess of	Water	Use Co	orresp	onden	t:											
	Phone Number:	()					Fmail	addres	ss:								
3.	The presently as																	
0.	Owner of Land -		1.5															
	(If there is more th																	
			NE	Ξ1/4			NV	V1/4			SV	V1/4			SE	1/4		TOTAL
Se	c. Twp. Range	NE1/4	NW1/4	SW1/4	SE¼	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	ACRES
4.	If this application Owner of Land	NA ADDRI	AME: ESS:				/			P	Ball	use be	49			Par	Jack B	shy) 5 67837
	(If there is more tr	lan one		$\overline{}$	ach su	ppieme			neces	Sary.)						-4/	T	T0741
	T	NE4/		21/4 CIAM/	051/	NE1/		V1/4	SE1/4	NE1/4		N/4 SW/4	SE1/4	NE1/4		5W1/4	SE1/4	TOTAL ACRES
Se	c. Twp. Range	NE'A	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE/4	NE%	NVV/4	SVV/4	SE 74	NE74	INVV/4	3VV/4	SE/4	
		-						7.0									\vdash	
		-															\vdash	
_		1								JL			L	R	ECF	EIV	ED	
	For Office Use	Only:	Code		Fe	e \$_2	.00	_ TR	#		Re	eceipt	Date 2	レーンジ	202	Chec	k#	

5.	Presently authori	zed point o	diversion:				
	One in the		Quarter of the	NC	Quarter of the	NW	Quarter
			, Township				
	in HASKELL	Co	ounty, Kansas, <u>3950</u>	feet North _	3920 feet West	of Southeast corne	r of section.
	Authorized Rate	-5-	Authorized Quantity		Depth of well	34//(fee	et)
			No. <u>Ø3</u> G				
			☐This point will be chang				
	Proposed point o	f diversion:	(Complete only if char	ige is requeste	ed or if existing point	is better describe	ed by GPS)
			Quarter of the				
			, Township				
	in HASKELL	Co	ounty, Kansas, 4389	feet North	4649 feet West	of Southeast corne	er of section.
	Proposed Rate		Proposed Quantity		Proposed well der	oth (feet) 620	
	This point is:	dditional We	II ☐ Geo Center List	other water righ	nts that will use this po	int 44 886	
L					,		
6. F	Presently authori	zed point o	f diversion:				
	One in the		Quarter of the		Quarter of the		Quarter
	of Section		, Township		South, Range _		W,
	in	C	ounty, Kansas,	feet North	feet West	of Southeast corne	r of section.
			Authorized Quantity				
	(DWR use only:	Computer II	No G	PS/	feet North	feet We	est)
			This point will be change				
		_	(Complete only if char				
			Quarter of the				
	of Section		, Township		South Range		(F/W)
			ounty, Kansas,				
			Proposed Quantity				
			II ☐ Geo Center List				
-	······································						
7.			d for the following reaso				
	(please be specific)				0 200 100 No	orth 0 100 200	300
				-		= -	=
8.	If a well, is the test	hole log attac	hed? Xes No	300	- 1 + 1 -	<u> </u>	1 = 300
				200		= ' + ' +,	7 7 200
9.	The change(s) (was	s)(will be) cor	npleted by?	E			
				_ 100	<i>{</i> + + -	= 1 + 1 +	100
10	If the point of divers	sian ia a wall		7		<u> </u>	4
10.	If the point of divers			West	: #4 1111 111 111 111 111 111	= •••••••••••••••••••••••••	O Fact
	(a) What are you	going to do w	th the old well?	westo	n ifondini fandantini	= •	and East
				Ŧ.			7
	(h) \\/\ban \\\\\\	ha dana?		100	 	= + + + +	100
	(b) when will this	be done?		-	_\]
				.a ====			/ =
11.			ct recommendation attach	ed? 200	-141-	= + +/	200
	☐ Ye	es 📙 No		E	\ -	-/-	=
12	Assisted by AT/GC	FO					- - فيسلس
	•			300		0 100 200 uth Scale: 1 hashma	300 ark=10 ft
13a			will be relocated more tha				
	a topographic mai	<u>o ieet</u> of the e	xisting point of diversion, a photograph. For ground	ittach 13b.lf the	e proposed point of diver radius of the existing po	rsion will be relocat	ed within a 30 cate its location
	sources, show all w	ells (includin	g domestic) within one-hal	f mile on th	ne diagram shown abov	e in relation to the	existing point

3b.If the proposed point of diversion will be relocated within a 300 foot radius of the existing point of diversion, indicate its location on the diagram shown above in relation to the existing point of diversion. The proposed point of diversion must be located within the circle shown above. (PLEASE NOTE: The "X" in center of diagram above represents the presently authorized point of diversion.)

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

14. If the proposed groundwater point of diversion is 300 c	or fewer feet from the existing point of diversion, comp	lete the following:
(a) Does the undersigned represent all owners of the ☐ Yes ☐ No (If no, all owners must		pplication?
(b) Will the ownership interest of any owner of the caffected if this application is approved as requested Yes ☐ No (If yes, all owners must	ed?	pplication be adversely
(c) If this application is not approved expeditiously, w ☐ Yes ☐ No (If no, all owners must		Ith or safety?
If the application proposes a surface water change in point or a change in place of use, the application must be signed agent (attach notarized statement authorizing representation)	d by all owners of the currently authorized place of use	on greater than 300 feet, e, or their duly authorized
I hereby verify, being first duly sworn upon my or age and the owner, the spouse of the owner, or a their behalf, in regards to the water right(s) to we contained in this application are true, correct and	duly authorized agent of the owner(s) to make hich this application pertains. I further verify I complete.	e this application on
Dated at Garden City	, Kansas, this 23rd day of February	, 20_22
Ste MI	Laver Unkul	
(Owner)	(Spouse)	
STEVE Unruh	Sarin Unruh	
(Please Print)	(Please Print)	
(Owner)	(Spouse)	uh
Time	1	
(Please Print)	(Please Print)	
(Owner)	(Spouse)	
(Please Print)	(Please Print)	
State of Kansas	BOBIE DAVIS NOTARY PUBLIC – State of Kansas My Appt. Expires: 4- 29-24	
I hereby certify that the foregoing application was of February , 20 22.	s signed in my presence and sworn to before	me this 23^{rd} day
,	Bohi Dani	1
My Commission Expires 4-29-2024.	Notary Public	
ONLY COMPLETE APPLICATIONS WILL BE PROCESSED. To accurate information; maps, if necessary, must be included; signate the appropriate fee must be paid.		
	FEE SCHEDULE	
Each application to change the place of use or the point of forth in the schedule below: Make checks payable to: Kar	nsas Department of Agriculture	
(2) Application to change a point of diversion more	feet or less	\$200
(3) Application to change the place of use		\$200
	RECEIVED	
	FEB 2 3 2022	
DWR 1-121 (Revised 09/11/2019)	Page 3	File No

 $i_j \rightarrow 1$

SUMMARY ORDER APPROVING APPLICATION FOR CHANGE AND IMPOSING CONDITIONS

prov Witl	visions of the Kansas Water Appropriation Law, K.S.A. 82a-	8b, as amended, and K.A.R. 5-5-1, et seq. and other applicable 701 et. seq., and rules and regulations promulgated thereunder, n, this Summary Order does not change the terms, conditions and
1.	A change application was received on diversion authorized under the above-referenced file number	requesting that the place of use and / or point of ber be changed as described in the application.
2.	On and after the effective date of this summary order, the aut the topographic map accompanying the application to cha	horized place(s) of use shall be located substantially as shown on nge the place of use. Applicable Not Applicable
3.	The change in point of diversion shall not impair existing right previously authorized. The point of diversion authorized be radius of the authorized point(s) of diversion.	ats and shall be limited to the same source or sources of water as y this summary order shall be located within a
4.	The point(s) of diversion described herein is administrative Positioning System (GPS), as described in the application	ely corrected to be more accurately described using the Global . Applicable Not Applicable
5.	The point(s) of diversion authorized herein shall not actually authorized point(s) of diversion.	be located more than feet from the previously ot Applicable
6.	As required by K.A.R. 5-3-5d, if the works for diversion is a wor other device suitable for making water level measureme K.A.R. 5-6-13. Applicable Not Applicable	vell with a diversion rate of 100 gallons per minute or more, a tube nts shall be installed, operated and maintained in accordance with
7.	December 31, 20, or before the first use of water, operated and maintained in accordance with K.A.R. 5-1-4	operly install an acceptable water flow meter on or before whichever occurs first. The water flow meter shall be installed, through 5-1-12. As required by K.S.A. 82a-732, as amended, and the reading of the water flow meter and the total quantity of water ng the end of each calendar year.
8.	Installation of the works for diversion of water shall be authorized extension of time. By March 1, 20 the works for diversion has been completed, on the form provi	completed on or before December 31, 20, or within any applicant shall notify the Chief Engineer that construction of the ded by the Chief Engineer, as required by K.A.R. 5-8-4e.
9.	The completed well log shall be submitted with the requi	red notice.
10.	with an in-line, automatic, quick-closing check valve capal	oreign substance will be injected into the water shall be equipped ble of preventing pollution of the source of the water supply. The in accordance with K.A.R. 5-3-5c. Applicable \(\square\) Not Applicable
11.	Additional Conditions are attached. Yes	
12.	water appropriated under the above-referenced file numb limitations, as amended and/or supplemented by this Sum Appropriation Law and the Rules and Regulations promu	.R. 5-5-14, all of the owners of the authorized place(s) of use of per are responsible for compliance with its terms, conditions and analy Order, and with applicable provisions of the <i>Kansas Water</i> algated thereunder. Failure to comply with these provisions may ended, and/or the suspension or revocation and dismissal of the ons authorized by law.
<u>/</u>	Administrative Appeal and Effective Date of Order	FOR OFFICE USE ONLY
lf vc	ou are aggrieved by this order, pursuant to K.S.A. 82a-1901,	APPLICATION APPROVED AND
you	may request an evidentiary hearing before the Chief	SUMMARY ORDER ISSUED
Agri	ineer or request administrative review by the Secretary of iculture. A request for hearing by the Chief Engineer must be	By: Mulas A-Mar
filed	I within 15 days of service of this Order and a request for ninistrative review by the Secretary must be filed within 30	Duly Authorized Designee of the Chief Engineer
day	s pursuant to K.S.A. 77-531. Any request for administrative	(Print Name): MICHAEL A-MEYER
revi File	ew must state a basis for review pursuant to K.S.A. 77-527. any request with Kansas Department of Agriculture ,	Division of Water Resources - Kansas Department of Agriculture
Leg	al Division, 1320 Research Park Drive, Manhattan, KS 02. Failure to timely request a hearing or review may	Date of Issuance: MARCH 29, 2022
pred	clude review under the Kansas Judicial Review Act.	State of Kansas)
	For Use by Register of Deeds	County of Jinney)
		Acknowledged before me on arch 29, 2022
		by Michael A. Meyer.
		Signature: Albiery Public
		NATE ON A
		My commission expires: My Appointment Expires My Appointment Expires Notary Seal 15, 2022



CUSTOMER NAME: STEVE UNRUH

LEGAL: NW 17-27S-31W

COUNTY: HASKELL CO, KS

GPS: 37 42' 17"N N37. 704857

100 44' 29" W W W . 741373

			LOGGER: DRILLER:			00 1 1	WO:	21-213
TW	FROM	то	ТҮРЕ	HARDNESS	COLOR	SPEED	PULL DOWN	OTHER / DRILLING ACTION
	0	35	TOP SOIL, FINE SAND, SANDY CLAY	SOFT	TAN	FAST		SMOOTH
	35	70	MED/COARSE SAND, GRAVEL, FINE, MED, COARSE SAND	FIRM	RED	FAST		CHATTER
	70	130	SANDY CLAY, BROWN CLAY LAYERS, MED, COARSE SAND	SOFT	TAN	FAST		SMOOTH
	130	203	BLUE CLAY	STICKY	BLUE	BIT SLOW		SMOOTH
	203	217	MED, COARSE SAND, GRAVEL	FIRM	RED	FAST		CHATTER
	217	258	BROWN CLAY SATURALLY	SOFT	BROWN	FAST		SMOTH
	258	305	MED, COARSE SAND, GRAVEL	FIRM	RED	FAST		CHATTER
	305	310	SANDY CLAY, BROWN CLAY LAYERS, MED, COARSE SAND	SOFT	TAN	FAST		SMOOTH
	310	316	MED, COARSE SAND, GRAVEL	FIRM	RED	FAST		CHATTER
	316	322	SANDY CLAY	SOFT	TAN	FAST		SMOOTH
1	322	336	MED, COARSE SAND, GRAVEL	FIRM	RED	FAST	4	CHATTER
	336	445	SANDY CLAY W/ MED, COARSE GRAVEL	SOFT	TAN/RED	FAST		SMOOTH/CHATTER
Х	445	490	BROKEN BROWN ROCK, SANDSTONE, FINE SAND	TIGHT	MIX			CHATTER
Х	490	596	FINE SAND, TR SANDSTONE	TIGHT	GRAY		-	SMOOTH
	596	620	SHALE	TIGHT	BLACK			SMOOTH
			QUIKGEL - 3/4 PALLET					
			EZ MUD - 1 GAL					
			WATER - 4 LOADS					
			HOLEPLUG - 2 BAGS					
			CASING SEAL - 1 BAG					





OTHER SERVICES:

STEVE UNRUTH

COMPANY

: DOWNEY DRILLING INC

WELL

: STEVE UNRUT

LOCATION/FIELD

COUNTY

LOCATION

: HASKELL

SECTION

LOG BOTTOM

CASING TYPE

LOG TOP

DATE

: NW 27S/31

: 17

TOWNSHIP

DEPTH DRILLER : 620

: 622.20

: 12/21/21

: 1.00

FIELD OFFICE

RECORDED BY

BIT SIZE : 6.25

MAGNETIC DECL. : 0

CASING DIAMETER: 10.

CASING THICKNESS:

MATRIX DENSITY : 2.71

NEUTRON MATRIX : LIMESTON

PERMANENT DATUM : GL

LOG MEASURED FROM: GL

DRL MEASURED FROM: GL

LOGGING UNIT : 1903

: DDI

: BENI

BOREHOLE FLUID

RM

RM TEMPERATURE MATRIX DELTA T

: 49

: MUD

FILE : ORIGINAL

RANGE:

KB

DF

GL

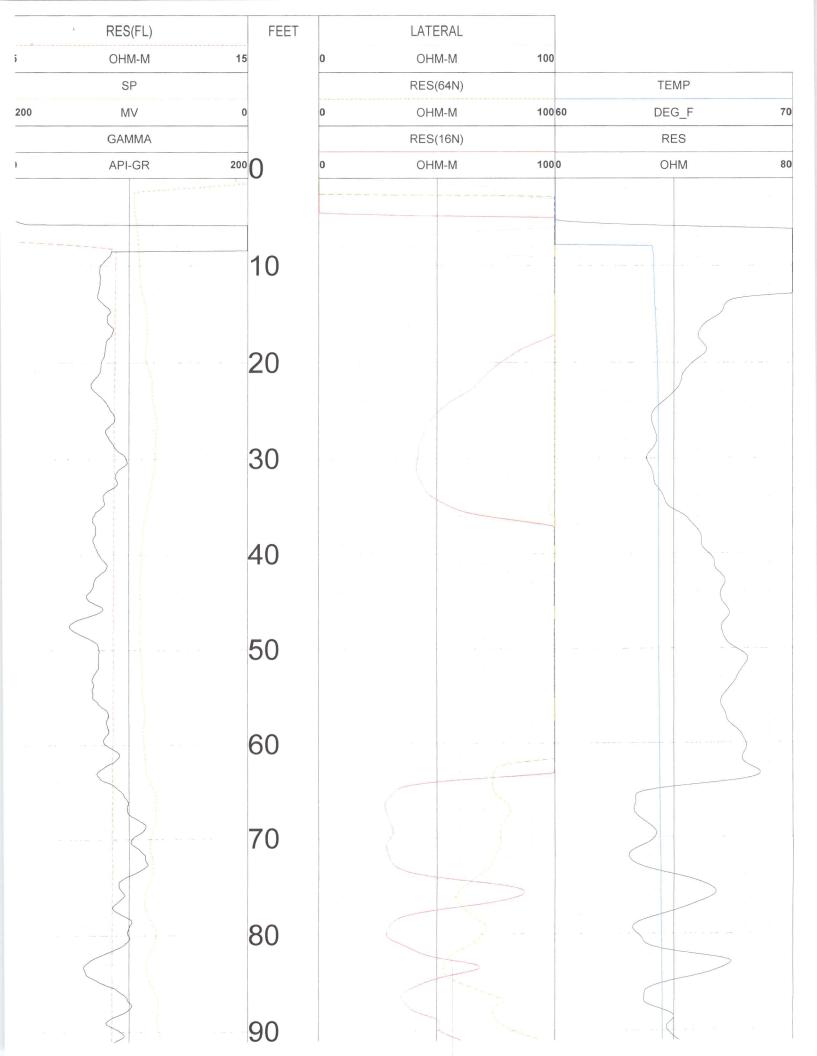
TYPE : 8144A LGDATE: 12/21/21

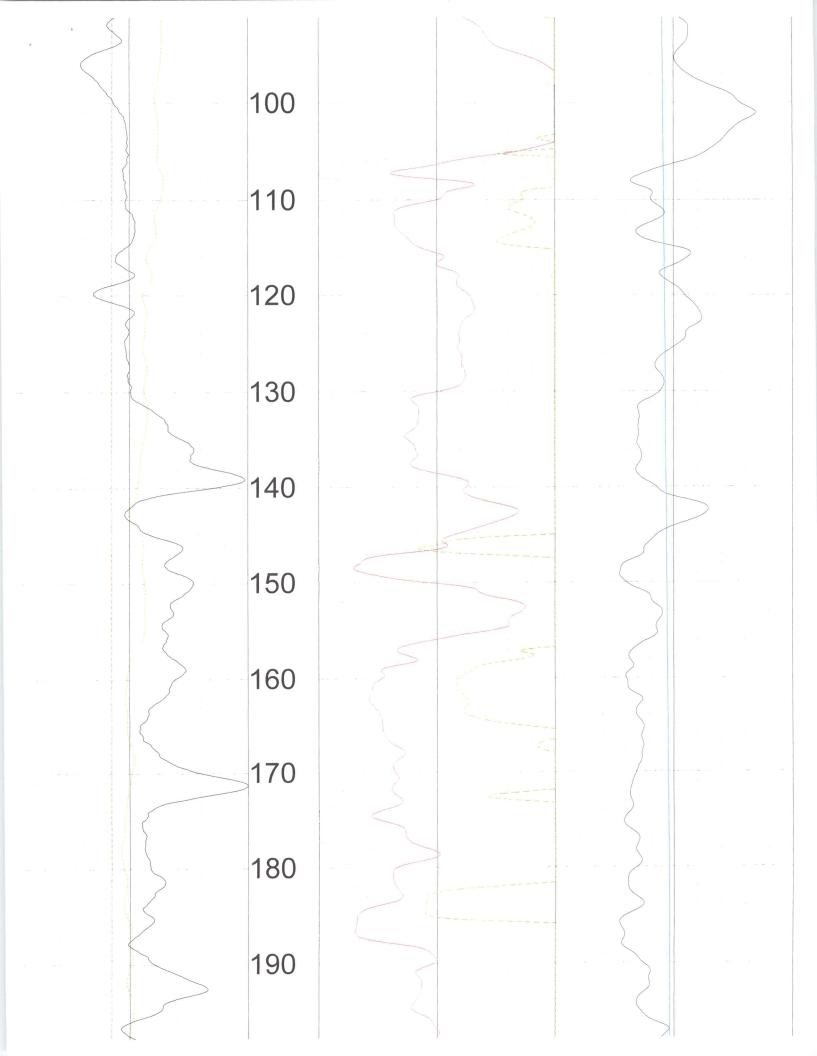
LGTIME: 18:46:

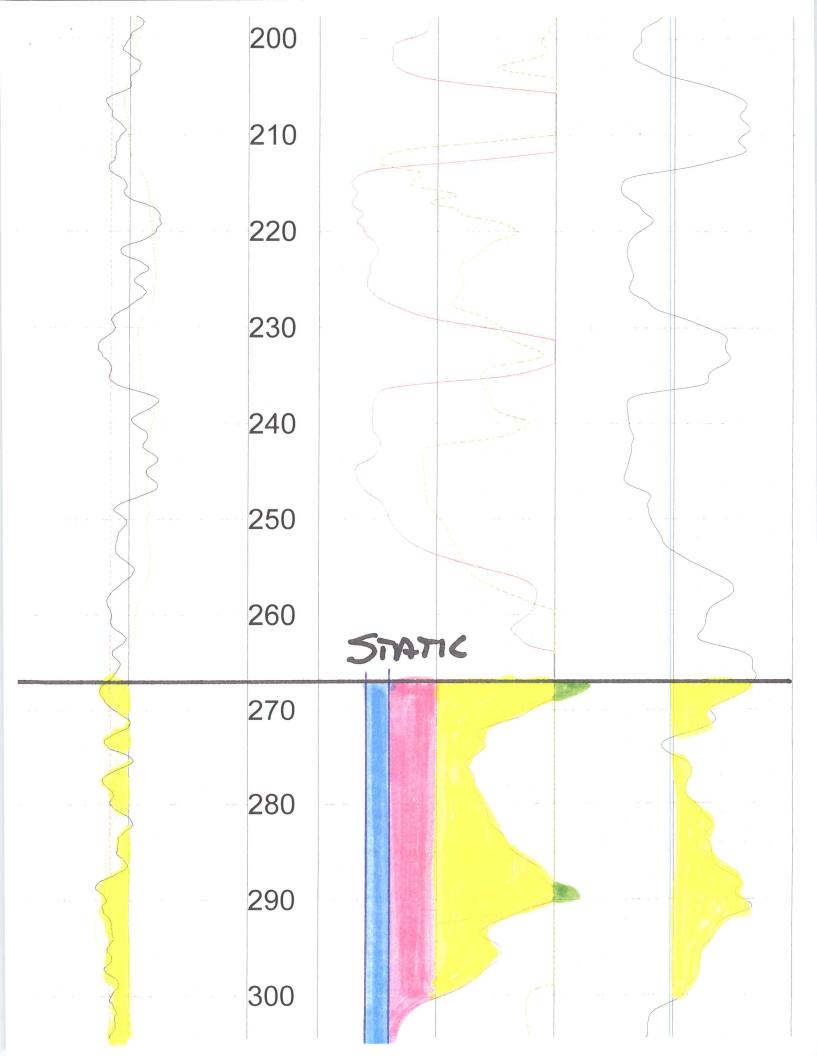
THRESH: 99999

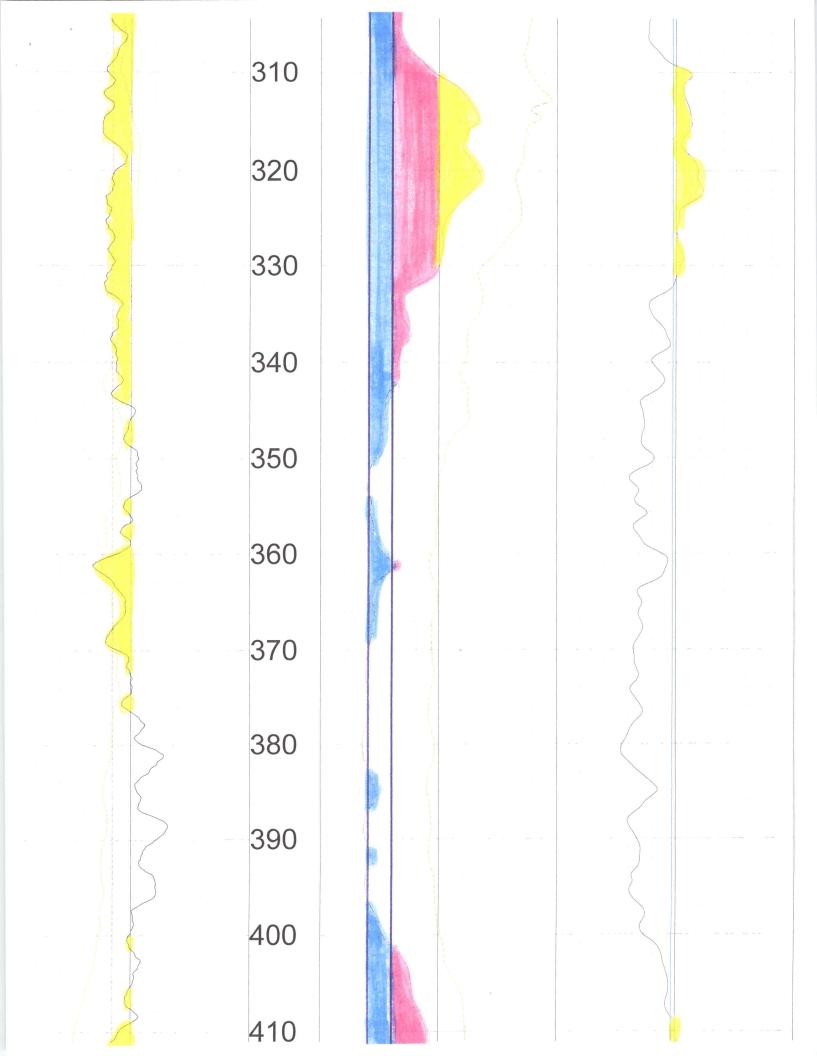
N 37"42"1 W 100"44"2

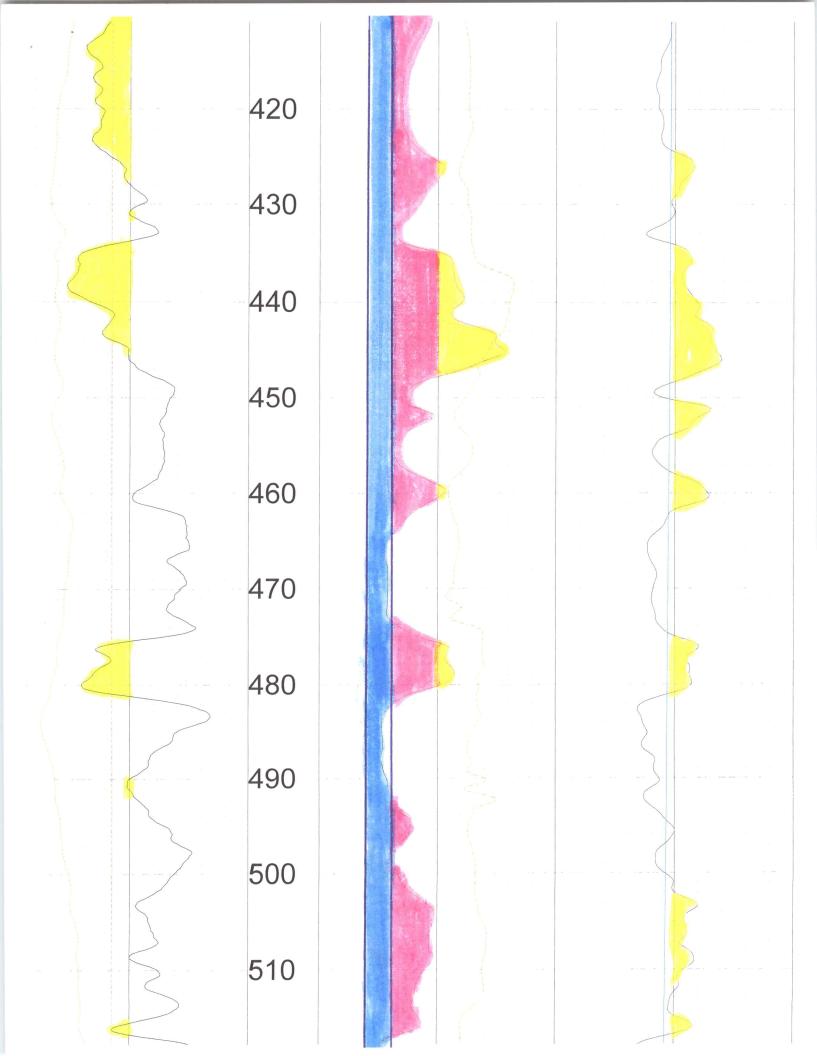
ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

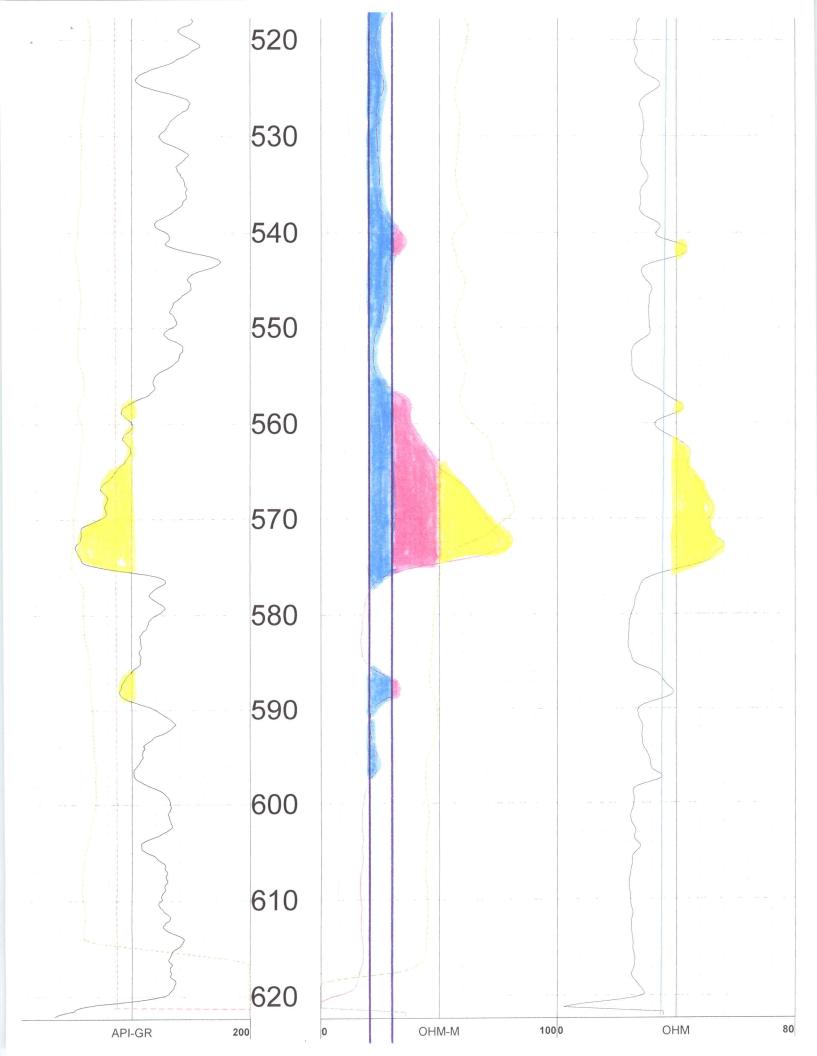












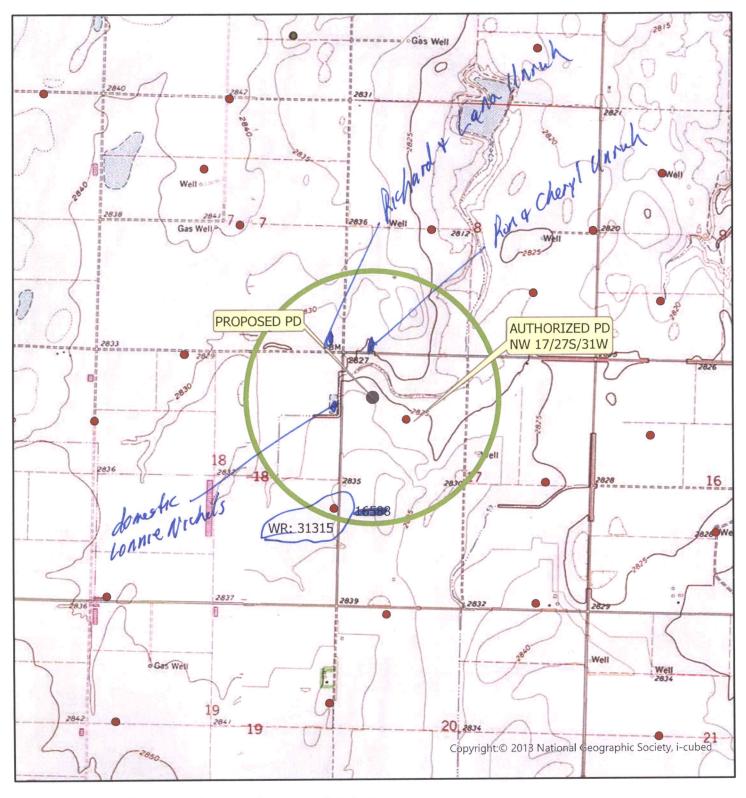
à.	GAMMA		
-200	MV	0	
	SP		
5	OHM-M	15	
	RES(FL)		FEET

	RES(16N)		RES	
0	OHM-M	10060	DEG_F	70
	RES(64N)		TEMP	
0	OHM-M	100		
	LATERAL			

TOOL CALIBRATION STEVE UNRUTH 12/21/21 18:46 TOOL 8144A TM VERSION 1 SERIAL NUMBER 365

	DATE	TIME	SENSOR	STAN	DARD	RES	PONSE
1	Sep09,20	09:08:33	GAMMA	1.000	[API-GR]	0.000	[CPS]
2	Sep09,20 Sep09,20	09:08:33 09:32:04	GAMMA RES(FL)	340.000 1.331	[API-GR] [OHM-M]	292.000 7595.000	[CPS] [CPS]
_	Sep09,20	09:32:04	RES(FL)	42.720	[OHM-M]	64820.000	[CPS]
3	Sep10,20	08:27:30	SP	0.000	[MV]	327793.313	[CPS]
	Sep10,20	08:27:30	SP	390.000	[MV]	155565.500	[CPS]
4	Sep10,20	08:28:21	RES(16N)	0.000	[OHM-M]	3456.300	[CPS]
	Sep10,20	08:28:21	RES(16N)	1956.000	[OHM-M]	448149.094	[CPS]
5	Sep10,20	08:29:13	RES(64N)	0.000	[OHM-M]	3150.900	[CPS]
	Sep10,20	08:29:13	RES(64N)	1991.800	[OHM-M]	447597.813	[CPS]
6	Sep09,20	09:30:45	TEMP	33.400	[DEG_F]	66910.000	[CPS]
	Sep09,20	09:30:45	TEMP	105.800	[DEG_F]	269401.000	[CPS]
7	Sep10,20	08:29:42	RES	0.000	[OHM]	21274.301	[CPS]
	Sep10,20	08:29:42	RES	945.000	[OHM]	190164.500	[CPS]

CHANGE IN POINT OF DIVERSION 23675



Township 27 South Range 31 West HS County

All wells of any kind within a half mile of the proposed point of diversion are shown: 0 0.13 0.25 0.5 Miles

POINT OF DIVERSION



Name and Address of Title Insurance Company: First American Title Insurance Company 1 First American Way, Santa Ana, California 92707

FIRST AMERICAN TITLE INSURANCE COMPANY

COLUMN E A

Amount of ansurance.

Date of Policy:

September 25, 2020 at 2:58PM

Address Reference:

W/2 Sec 17-T27S-R31, Haskell County, Kansas 67837

Simultaneous Policy:

5011300-3521427e

1. Name of Insured:

Prairie Ag Land Partnership

2. The estate or interest in the Land that is insured by this policy is:

Fee Simple

3. Title is vested in:

Prairie Ag Land Partnership, a Kansas general partnership

The Land referred to in this policy is described as follows:

The West Half (W/2) of Section Seventeen (17), Township Twenty-seven (27) South, Range Thirty-one (31) West of the 6th P.M., Haskell County, Kansas.

FIRST AMERICAN TITLE INSURANCE COMPANY Countersigned by Haskell County Abstract & Title Company

By Suzan Kimball, License #KS 6113534

Authorized Signatory



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

March 28, 2022

Mike 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 Rights, File Nos. 23675 & 44886

Dear Mike:

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

Well evaluations were conducted to estimate possible effects of the proposal on the supply of other wells with water rights prior to the proposal per K.S.A. 82a-708b, and the 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 (4.0 ft on the sections saturated thickness 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 neighboring wells exceeded the net effect above the maximum allowable threshold and no critical wells determined. We did not receive any comments from neighbor notices. Therefore, GMD3 sees this move as meeting current rules and would recommend approval of the applications. If aquifer conditions change or there is a change to the water right in the future, we would be happy to evaluate the effects at that time.

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

Sincerely,

Jason L. Norquest

Assistant Manager

RECEIVED

MAR 28 2022

Garden City Field Office
Division of Water Resources

GMD3 Change Review

File No(s).: 23675 & 44886. DWR office: <u>GC</u>.

App filed to change: PD.

Is Landowner(s) correct in WRIS: Steve Unruh.

If NO, is documentation included?

Is Water Use Correspondent correct in WRIS? ___.

If NO, is documentation included?

Regulation(s) Reviewed: KAR 5-23-3

Point of diversion ID No(s) 03 being changed.

	ft. North	ft. West	
Authorized PD	3950	3920	Sect 17-27-31 HS
Proposed PD	4389	4649	
Difference	-439 n	-729 w	
a2 + b2 = c2	192721	531441	850.9771 foot move NW

GPS for proposed PD: Lat: <u>37.704857</u> Long: <u>-100.741373</u>.

Is proposed PD stacking on existing WRs? <u>Same overlap, both WRs moving.</u>

Is Proposed PU overlapping existing WRs? No Change.

Neighboring certified well(s) notified: __.

Name Ronald & Cheryl Unruh (7101, domestic).

Address 2032 30th Rd.

Zip Copeland, KS 67837.

Email: sherwynunruh@gmail.com Phone: 620-668-5055.

Name Lonnie & Janell Nichols (13875, domestic)

Address 2189 40th Rd.

Zip Copeland, KS 67837.

Email: lonnienic@gmail.com Phone: 620-272-4915.

Name Sherwyn & Kari Ann Unruh (14354, 16308, domestic).

Address 2036 30th Rd.

Zip Copeland, KS 67837

Email: <u>sherwynunruh@gmail.com</u> Phone: <u>620-668-5055</u>.

Name Richard & Lana Unruh (14732, domestic).

Address 295 TT Rd.

Zip Copeland, KS 67837.

Email: runruh62@gmail.com Phone: 620-271-2458.

Name Kelly & Danesa Nightengale JT (27780).

Address 642 Road SS.

Zip Sublette, KS 67877.

GMD3 Change Review

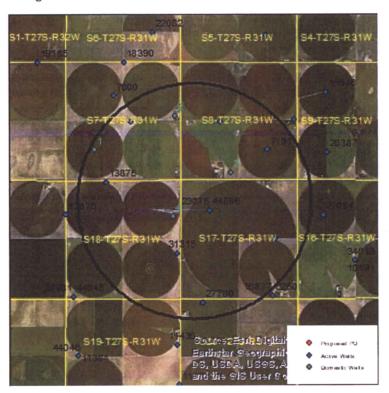
Email:	hercules knight@hotmail.com Phone: 620-668-5848.
Name	Eugene & Cheryl Davis (31315)
Address	<u>121 Road LL</u> .
Zip	Sublette, KS 67877.
Email:	<u>dirtrider76@me.com</u> Phone: <u>620-272-1497</u> .
Name	Steve & Karen Unruh (42078).
Address	650 WW Rd.
Zip	<u>Copeland, KS 67837</u> .
Email:	sunruh2658@gmail.com Phone: 620-757-404 .
Domestic	e well(s) notified:
	Weston & Sandy Unruh (N@ NE sect 17-27-31).
	2075 30 th Road.
Zip	Copeland, KS 67837.
Base Acr	es:
	Acres:
Irr. Retur	n-Flow%
	thorized: 353AF @ 720gpm
44886 au	thorized: 353AF @ 1200gpm
LIMITE	D TO 353AF/year @ 1200gpm, 1900' minimum spacing
_	n current well.
Proposed	d well around 620'
	ID3 inspection showed 529gpm.
	vater use (2012-2021): 258.4AF/year avg., no recent gpm on WURs
	er needed: Move less than half mile and minimum spacing to neighboring
	ears met. Analysis showed no critical wells and met guideline criteria.
	endation: After review of all available information, it appears current area rules
are met.	Staff therefore recommends approval of the applications.
	1 1

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MAR 2 8 2022

Evaluation of proposed move for Water Right Nos. 23675 & 44886

Proposed: Move water right nos. 23675 & 44886 a distance of 840 ft to the northwest.



Wells within 1 mile14354 & 16308, 7101, 13875, 31315, 1901 & 42078, 27780, and four domestic wells, numbered on the above map.

The saturated thickness at the proposed well location is estimated to be 319 ft, based upon the driller's log and an observation well in section 9-27-31. For saturated thickness greater than 200 ft, the drawdown allowance is 4.0 ft.

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

S = 0.1175, T = 18,063 ft²/day, $tp_{current} = 111$ days (based on observed rate and reported quantity), $Q_{current} = 529$ gpm (based on 2020 field inspection), $tp_{proposed} = 67$ days, $Q_{proposed} = 1200$ gpm

Theis drawdowns were calculated as follows:

14354 & 16308: Drawdown from current location = 1.07 ft

Drawdown from proposed location = 1.67 ft

Net drawdown = 0.6 ft

7101: Drawdown from current location = 1.11 ft

Drawdown from proposed location = 1.59 ft

Net drawdown = 0.5 ft

13875:

Drawdown from current location = 0.95 ft

Drawdown from proposed location = 1.58 ft

Net drawdown = 0.6 ft

31315:

Drawdown from current location = 1.46 ft

Drawdown from proposed location = 2.31 ft

Net drawdown = 0.8 ft

1901 & 42078:

Drawdown from current location = 1.23 ft

Drawdown from proposed location = 1.58 ft

Net drawdown = 0.4 ft

27780:

Drawdown from current location = 1.05 ft

Drawdown from proposed location = 1.44 ft

Net drawdown = 0.4 ft

Domestic 1:

Drawdown from current location = 0.83 ft

Drawdown from proposed location = 1.31 ft

Net drawdown = 0.5 ft

Domestic 2:

Drawdown from current location = 0.99 ft

Drawdown from proposed location = 1.62 ft

Net drawdown = 0.6 ft

Domestic 3:

Drawdown from current location = 0.64 ft

Drawdown from proposed location = 2.60 ft

Net drawdown = 1.0 ft

Domestic 4:

Drawdown from current location = 1.75 ft

Drawdown from proposed location = 3.66 ft

Net drawdown = 1.9 ft

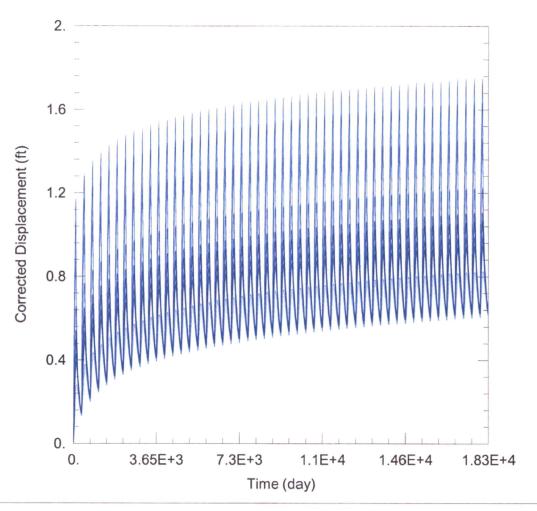
Net drawdown does not exceed the drawdown allowance of 4.0 ft for any well within 1 mile of the proposed location. Therefore, critical well analysis is not necessary.

Conclusion:

The proposed move is likely to create minimal effects on neighboring wells and is unlikely to cause impairment. GMD3 staff recommends approval of this proposal.

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MAR 28 2022



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2022_moves\23675_44886\23675 & 44886 Current.aqt

Date: 03/16/22 Time: 15:14:15

PROJECT INFORMATION

Company: GMD 3
Project: 23675 & 44886
Location: Haskell County

WELL DATA

Pumping Wells									
Well Name	X (ft)	Y (ft)							
23675 & 44886	17516	301728							

Well Name	X (ft)	Y (ft)
	17516	301728
 14354 & 16308 	17959	305727
7101	20118	304446
13875	12829	302982
o 31315	16042	299823
1901 & 42078	20468	300474
27780	17201	297624
Domestic 1	12289	304453
Domestic 2	15941	305977
Domestic 3	18473	303431

15833

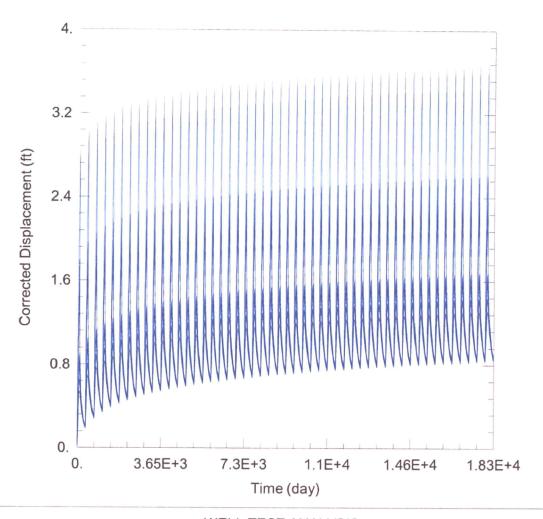
301449

Observation Wells

SOLUTION

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Domestic 4



WELL TEST ANALYSIS

Data Set: C:\Users\trevora\Documents\2022_moves\23675_44886\23675 & 44886 Proposed.aqt

Date: 03/16/22 Time: 15:14:06

PROJECT INFORMATION

Company: GMD 3
Project: 23675 & 44886
Location: Haskell County

WELL DATA

Pumping Wells									
Well Name	X (ft)	Y (ft)							
23675 & 44886	16801	302167							

RECEIVED

MAR 28 2022

Garden City Field Office Division of Water Resources

Observation Wells								
Well Name	X (ft)	Y (ft)						
	16801	302167						
14354 & 16308	17959	305727						
7101	20118	304446						
13875	12829	302982 299823						
o 31315	16042							
1901 & 42078	20468	300474						
27780	17201	297624						
 Domestic 1 	12289	304453						
Domestic 2	15941	305977						
 Domestic 3 	18473	303431						
Domestic 4	15833	301449						

SOLUTION

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Water Rights and Points of Diversion Within 1 mile of point defined as:
4389 Feet N and 4649 Feet W of the Southeast Corner of Section 17 Twp 27S Rng 31W
Located at: 100.741373 West Longitude and 37.704857 North Latitude
Both SURFACE WATER and GROUNDWATER

=====		===:		===	====			===:	===	_===						====	====	
File Unit	Number		Use	ST	SR	Dist	(ft)	Q4	Q3	Q2	Q1	FeetN	FeetW	Sec	Twp	Rng	ID	Batt Auth_Quan Add_Quan
A	1901	00	IRR	NK	G		3992		SW	SE	NE	2684	1027	17	27	31W	4	190 320.00 320.00
AF A	7101	00	IRR	NK	G		4181		SW	NE	SE	1380	1150	8	27	31W	4	7100.00 500.00
AF A	13875	00	IRR	NK	G		4047	<u> </u>	NW	NE	NW	5155	3300	18	27	31W	5	140 257.90 257.90
AF A	14354	00	IRR	NK	G		3699	1	NW	NE	SW	2633	3601	8	27	31W	乜	200.00 200.00
AF A	14732	00	IRR	NK	G		4719	<u>_</u>	NW	NW	SE	2585	2505	7	27	31W	5	7300640.00 640.00
AF A	16308	00	IRR	NK	G		3699	<u> </u>	NW	NE	SW	2633	3601	8	27	31W	13	272.00 272.00
AF A_	23675	00	IRR	NK	G*	-	840			NC	NW	3950	3920	17	27	31W	3	353.00 353.00
AF A	27780	00	IRR	NK	G		4561	<u> </u>	ΝĒ	NW	NW	5115	4125	20	27	31W	3	300.00 300.00
AF A	31315	00	IRR	NK	G		2480	<u>_</u>	NE	NE	SE	2005	75	18	27	31W	2	306.00 306.00
AF A	42078	00	IRR	NK	G		3992	/	SW	SE	NE	2684	1027	17	27	31W	4	
AF A	44886	00	IRR	NK	G*	+	840			NC	NW	3950	3920	17	27	31W	3	353.00 .00
AF																		
Total	Net Qu	ian:	====: titi:		==== Antl	oriz	-d :	Di	rec	+		Sto	orage					
	Reques						Ju.	-	.0			500	.00					/
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	Insped								.0	0			.00					/ //
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and the same of th					-			9 1	0.000	The reserve	600000000000000000000000000000000000000		2 1		-	- 1-		

An * after the source of supply indicates a pending application for change under the file number.

An \star after the ID indicates a 15 AF exemption was granted under the file number.

A "G" in the Batt column indicates the GEO CTR of a battery. A "B" indicates a well in the battery.

The number in the Batt column is the number of wells in the battery.

Water Rights and Points of Diversion Within 1 mile of point defined as:
4389 Feet North and 4649 Feet West of the Southeast Corner of Section 17 Twp 27S Rng 31W
Located at: 100.741373 West Longitude and 37.704857 North Latitude
Both SURFACE WATER and GROUNDWATER

WATER USE CORRESPONDENTS:

File Number Use ST SR

> STEVE & KAREN UNRUH

> 650 WW RD

> COPELAND KS 67837

> RONALD D & CHERYL D UNRUH

> 2032 30TH RD

> COPELAND KS 67837

> LONNIE & JANELL NICHOLS

> 2189 40TH RD > COPELAND KS 67837 >-----> SHERWYN & KARI ANN UNRUH > COPELAND KS 67837 /4354 > 2036 30TH RD > RICHARD D & LANA K UNRUH 295 TT RD > COPELAND KS 67837 /4732 >_____ > SHERWYN & KARI ANN UNRUH > COPELAND KS 67837 > 2036 30TH RD , STEVE & KAREN UNRUH 23675 - 498 > 650 WW RD > COPELAND KS 67837 > KELLY R & DANESSA L NIGHTENGALE JT SUBLETTE KS 67877 27780 > 642 ROAD SS > EUGENE R & CHERYL F DAVIS 313/5 > 121 ROAD LL > SUBLETTE KS 67877 > STEVE & KAREN UNRUH 42078 - Applicant > 650 WW RD > COPELAND KS 67837 >-----> STEVE & KAREN UNRUH 44886 - 199 > COPELAND KS 67837

RECEIVED

MAR 28 2022



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

Mike Beam, Secretary

Laura Kelly, Governor

March 14, 2022

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

Re:

Request for Recommendation

Water Right, File Nos. 23675 & 44886

Dear Mr. Norquest:

This is to advise you that Steve Unruh, has filed an application for approval of the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, to change the point of diversion. The application meets all rules and regulations.

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

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

Sincerely,

Michael A. Meyer

Water Commissioner

MAM Enclosures



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

Mike Beam, Secretary

Laura Kelly, Governor

February 28, 2022

EUGENE R & CHERYL F DAVIS 121 ROAD LL SUBLETTE, KS 67877-8087

Re:

Water Right, File No. 23675 & 44886

Dear Sir:

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

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

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

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

Sincerely,

Michael A. Meyer

Water Commissioner

MAM

Pc:



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

Mike Beam, Secretary

Laura Kelly, Governor

February 28, 2022

LONNIE NICHOLS 2189 40TH ROAD COPLENAD KS 67837

Re:

Water Right, File No. 23675 & 44886

Dear Sir:

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Sincerely,

Michael A. Meyer

Water Commissioner

MAM

Pc:



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

Mike Beam, Secretary

Laura Kelly, Governor

February 28, 2022

RONALD D & CHERYL D UNRUH 2032 30TH RD COPELAND, KS 67837

Re:

Water Right, File No. 23675 & 44886

Dear Sir and Madam:

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Sincerely,

Michael A. Meyer

Water Commissioner

MAM

Pc:



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

Mike Beam, Secretary

Laura Kelly, Governor

February 28, 2022

RICHARD D & LANA K UNRUH 295 TT RD COPELAND, KS 67837

Re:

Water Right, File No. 23675 & 44886

Dear Sir and Madam:

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Sincerely,

Michael A. Meyer

Water Commissioner

MAM

Pc: