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:
14354	2/13/18	c1	04	03
6. Status: Approved Deni	ed by DWR/GMD	Dismiss by Reques	t/Failure to Return	7. Filing Date of Change:
				2/1/18
8a. Applicant(s)	Person ID	8c. Landown		Person ID Add Seq#
New to system □	Add Seq#	New to sy	stem []	Add Seq#
8b. Landowner(s)	Person ID	8d. WUC		Person ID
New to system □	Add Seq#	New to sy	rstem □	Add Seq#
0.0	M(D. N. J / .) D / . J. O	 ly: 12/31/18	M N 9 D Data to	Comply: 12/31/18
9. Documents and Enclosure(s): ⊠ D\				
☐ Anti-Reverse Meter ☐ Meter	Seal	□ N & P Form	☐ Water Tube ☐ D	riller Copy
☐ Conservation Plan Date Requir	ed: Da	te Approved:	Date to	Comply:
10. Use Made of Water From:		To: ˌ		
			Date Prepared: 2/12/1	8 ву: ТРМ
			Date Entered:	Ву:

File No. 143	14354	11. County: HA	HA		Basin:	Basin: arkansas	sas				S	Stream:							Form	ation Code	J. 2.11	Formation Code: 211/331Special Use:	Jse:
12. Points of Diversion CHK	Diversion													_ K	ate an	Rate and Quantity	ntiity					1,000	
MOD DEL PDIV ENT	Qualifier	Ø	⊢	α	Ω	_	z	خسي	۶	So	ıment	Comment (AKA Line)	ine)	p	Auth Rate gpm/cfs	<u>ة</u>	ized Quantity af/mgy		Addii Rate gpm/cfs	Additional ate Quantity ı/cfs af/mgy		Overlap PD Files	Ø
ENT	nw ne sw	8	27	31w			2633	36	601						\\ \sigma						-	7857	16308
del 8858)
								:															

13. Storage: Rate	kate		μ	б	Quantity					_ac/ft		Additional Rate	ıl Rate					불	Additior	Additional Quantity			ac/ft.
14. Limitation:	And the state of t	affyr at) mab				cfs) w	hen cor	nbinec	cfs) when combined with file number(s)	le num	ber(s)			2227777				
15. 5YR Allocation:	ation: Allocation Type	();	III	Start Year	e a r		5 \	Am	ount	- 11	Amc	Amount Unit		ı	Base Acres	res _		. Com	Comment			Comment	100000000000000000000000000000000000000
16. Place of Use CHK	lse				NE%			Z	NW7.4			SW%	**			SE1/4	77		Total	Owner C	Chg?	Overlap Files	
MOD DEL ENT PUSE	S T R	<u>D</u>	岁	W %	MS X	S %	B %	WN %	NS.	₩×	₽ ¼	WW %	MS %	SE %	NE NE	WN X	WZ %	as %					
2									<u> </u>														

Base Acres:	Year:	X	inimu	E Se	аѕопа	Minimum Reasonable Quantity.	antity:																



1320 Research Park Drive Manhattan, Kansas 66502 785-564-6700

Secretary Jackie McClaskey

900 SW Jackson, Room 456 Topeka, Kansas 66612 785-296-3556

Governor Jeff Colyer, M.D.

February 13, 2018

RONALD D UNRUH 2032 30TH RD COPELAND KS 67837

RE: Change in Point of Diversion Water Right, File No 14354, 16308

Dear Mr. Unruh:

Enclosed you will find a Summary Order Approving Application for Change in Points of Diversion for the above referenced file. This order modifies the authorized well location under the referenced file. This order modifies the original document; it should be recorded at the County Register of Deeds.

Your attention is directed to the enclosures and to the terms, conditions, and limitations specified in this order. The diversion works should be completed and reported to the Division of Water Resources by December 31, 2018. Enclosed is a form for this purpose, along with other information for reference.

A condition of this order is that an acceptable flow meter must be properly installed on the diversion works authorized under the referenced file number in accordance with the Kansas Administrative Regulations 5-1-4 through 5-1-12. This water flow meter shall be used to provide information required on the annual water use report.

This order shall become final if a request for a hearing is not filed with the Chief Engineer within 15 days of the date of service of this order. The date of service is the date listed on the enclosed *Certificate of Service*.

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

Sincerely,

Thomas P. Makens

Assistant Water Commissioner

TPM:tpm Enclosures GMD#3

CERTIFICATE OF SERVICE

On this day of February 2018, I hereby certify that the attached original Approval of Application to Change the Point of Diversion under Water Right, File No. 14354, 16308 dated February 13, 2018 was mailed postage prepaid, first class, US mail to the following:

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

Copy provided to GMD#3

Division of Water Resources

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

Topeka -- (785) 862-6300 Stafford -- (620) 234-5311 Stockton -- (785) 425-6787 Garden City -- (620) 276-2901 www.ksda.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.

than	agraph N 100 fee t(s) of div	et, or if p	lace o	of use	will be	e chan	ted. C ged, i	Compl nclude	ete all a top	other ograph	applio nic ma	cable p or d	portio etailed	n s. If plat	chang showir	ge in pong ng the	oint of autho	diversi rized a	ion is greater and proposed
pon	i(a) or air	version e	ii luroi	рисс	J1 400.		ile No.	. <u>1435</u>	4								10:	EIVE 39 Av 1 20	M
1.	Applicat					☐ P	ace of	Use		\boxtimes	Point o	of Dive	rsion		1	Gard Divisio	en Cit	y Field	Office esources
	The sou				ilie si		round		ation ii		Surfac			4,000	, 4500	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
2.	Name a 2032 30 Phone N	TH RD C	OPEL	AND, I	<u>(S 678</u>		IRUH												
	Name a 2032 30	nd addre TH RD (ess of \	Water _AND,	Use C KS 67	837		t: <u>RO</u>	N UNR	RUH									
3.	Phone No. The pre-	sently aเ of Land -	ithoriz NA	ed plac \ME: <u>l</u>	ce of u	se is: LD D 8	& CHE	RLY D	UNR	JH									
	(If there i	s more th		-						6783 neces									
Se	c. Twp.	Range	NE¼	NE NW¼		SE1/4	NE1/4	NW¼	V¼ SW¼	SE¼	NE¼		5W1/4	SE1/4	NE1/4		5W1/4	SE1/4	TOTAL ACRES
		31W									40	40	40	40					160
4.	If this a	oplication of Land -								ed that									
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	For Off	ice Use	Only:	Code		Fe	e \$	200	TR	#		Re	ecelpt	Date_	2/1/	18	Chec	:k#_9	285

5.	Presently authorized point of diversi	<u>on:</u>								
	One in the <u>NE</u> Qu	uarter of the	NW		Quar	ter of the		SW		_ Quarter
	of Section8,	Fownship	27		South	n, Range		31		(W),
	in <u>HASKELL</u> County, Ka	nsas, <u>2600</u>	feet No	orth	4300	feet Wes	t of South	neast c	orner of	section.
	Authorized Rate <u>1850GPM</u> Auth	norized Quantity _	200	٩F	_ Depth o	of well			(feet)	
	(DWR use only: Computer ID No. 2	GPS	s		feet N	orth		feet	t West)	
	☐ This point will not be changed ☐	☑ This point will	be char	nged as	follows:		·	·	·	
	Proposed point of diversion: (Comple	ete only if change	is requ	uested)						
	One in the NW Qu	·				er of the		sw		Quarter
	of Section 8 , 7	Township	27	•	South	. Range		31		QQQ,(0,
	in <u>HASKELL</u> County, Ka	nsas. 2633	feet No	orth :	<u> </u>	feet Wes	of South	neast co	orner of	section
	Proposed Rate // Prop	posed Quantity	NC		Proposi	ed well de	enth (feet)	10401 01	511101 01	occiion.
	This point is: Additional Well G	eo Center List of	er wate	er riahts	that will i	ise this n	oint			·
,				71 1131110	111011	100 ti 110 p	<u> </u>			
6.	Presently authorized point of diversion	on:								
٥.	One in theQu				Ouart	er of the				Quarter
	of Section, T	ownshin			Quart	Dango			***	_ Quarter
	in County, Ka	neae	feet No	urth	0000	r, i varige : Foot Wor	of South	oost o	ornor of	ocation
	Authorized Rate Auth	orized Quantity	ICCL INC	441	Denth o	fwall	or South	least Ct	(foot)	Section.
	(DWR use only: Computer ID No.	GPS			_ Depuiro	nwen		foot	(leet)	
	☐ This point will not be changed	Old	na chan	nad as	_ leet ive	<i></i>		1661	. vvest)	
ĺ	Proposed point of diversion: (Comple									İ
										0
	One in theQu of Section, T	ownship			Quan	erorme,				_ Quaner
	in County, Kal	peae	foot No	rth	50001	, range . Soot World	of Court			(VV),
	Proposed Rate Prop	osed Oughtity	IGG! NO		Dranas	eet west	OI SOULII	east co	mer or	section.
	This point is: Additional Well	o Contor List of	er wate	r riahte	_ Fropose	ea well ae	ojot Ojot	•		·
7.	Why do you need a new point of diversion production on old PD		13a.	feet of the dia (PLEA	the existi gram belo	ng point of the second poi	of diversion to the "X" in controlled in the control in the contr	on, indic existinç enter c	cate its g point c of diagr	within 100 location on if diversion. am below ion.)
8.	If a well, is the test hole log attached?	Yes No				50	North 0			
9.	When do you propose to complete diversion?	the new point o	f			1 1 1 1		1 1	L	
					50 F	+		+	二50	
	March 01 2018				E				77	
10.	If the point of diversion is a well:				E		_		\exists	
	(a) What are you going to do with the old			West	0 11	1 1	$[\overline{X}]$		I—0 ∣	East
	(a) What are you going to do with the old	Well?			F				7	•
	to be plugged				E		_		7	
					50	+	_	+	∃50	
	(b) When will this be done? March 01 201	8			E		_		\exists	
	-				Нп	1 1 1 1 1	17111	1111	, 7	
11.	Groundwater Management District	recommendation	ı		100	50	0	50	100	
	attached? ☐ Yes ☒ No		•				South e 1 " = 10	200	,00	
			405	:e					. , ,	
12.	Assisted by <u>cac</u>			100 fediversion for growithin on mames water standown	et but wi on, attach undwater one-half m and mail sources,	thin 1320 a topog sources, ile of the ing addre show the e-half mil	O feet from the feet from the feet from the feet feet feet feet feet feet feet	om the ap or a wells (in point o the owr and	existing aerial p noluding f diversi ners. F address	more than g point of hotograph. domestic) on and the or surface es of the e-half mile

14. If the proposed groundwater point of diversion is 300 or fewer feet fr	om existing point of diversion, complete the following:
 (a) Does the undersigned represent all owners of the currently autr ☐ Yes ☐ No (If no, all owners must sign this appliance) 	cation.)
 (b) Will the ownership interest of any owner of the currently authoraffected if this application is approved as requested? ☐ Yes ☐ No (If yes, all owners must sign this approved as requested?) 	
(c) If this application is not approved expeditiously, will there be sul ☐ Yes ☐ No (If no, all owners must sign this appl	ostantial damage to property, public health or safety? ication.)
If the application proposes a surface water change in point of diversion, or a change in place of use, the application must be signed by all owner agent (attach notarized statement authorizing representation).	a groundwater change in point of diversion greater than 300 feet, s of the currently authorized place of use, or their duly authorized
I hereby verify, being first duly sworn upon my oath or affirn age and the owner, the spouse of the owner, or a duly author their behalf, in regard to the water right(s) to which this ap- contained in this application are true, correct and complete.	rized agent of the owner(s) to make this application on
Dated at, Kansas, this	day of, 20
Ronald Under	Cheryl Unruh (Please Print)
(Owner)	(Spouse)
Rangeld Unrole	Cheryl Unruh
(Please Print)	(Please Print)
(Owner)	(Spouse)
(Please Print)	(Please Print)
(Owner)	(Spouse)
(Please Print)	(Please Print)
MF ON A	SHELLY M. DOWNING
State of Kansas SS	My Appointment Expires February 9, 2018
County of Haskall	
Thereby certify that the foregoing application was signed in n	ny presence and sworn to before the this 131 day of
	1 1 1 1 5
	Notary Public
My Commission Expires <u>Lab. 9, 2018</u>	
ONLY COMPLETE APPLICATIONS WILL BE PROCESSED. To be complete, a accurate information; maps, if necessary, must be included; signatures of all the the appropriate fee must be paid.	Il of the applicable portions of the application form must be completed with appropriate owners' must be affixed to the application and notarized; and
FEE SCHED	ULE
Each application to change the place of use or the point of diversion und forth in the schedule below: Make checks payable to: Kansas Departr (1) Application to change a point of diversion 300 feet or less. (2) Application to change a point of diversion more than 300 fee (3) Application to change the place of use	der this section shall be accompanied by the application fee set nent of Agriculture \$100 et\$200

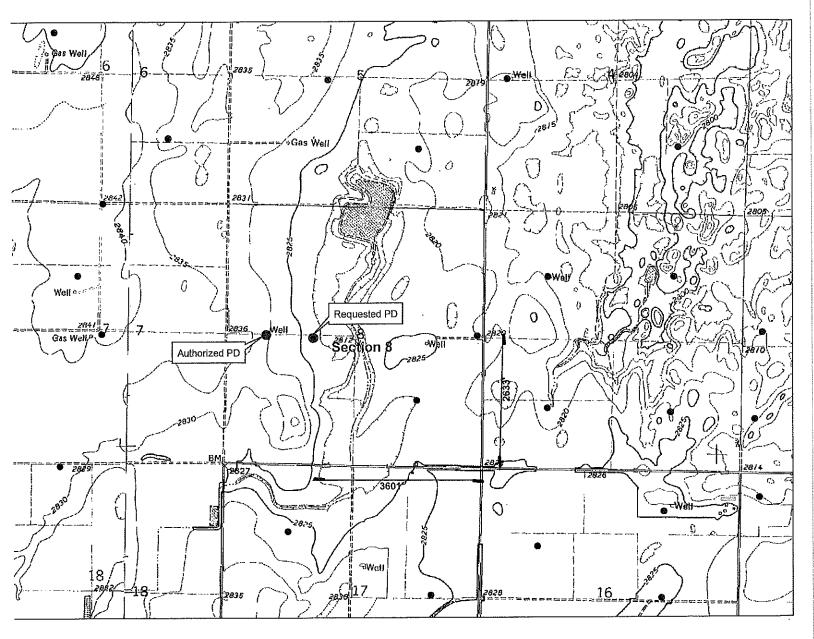
SUMMARY ORDER APPROVING APPLICATION FOR CHANGE AND IMPOSING CONDITIONS

This Summary Order is issued under authority of K.S.A. 82a-708b, as amended, and K.A.R. 5-14-3 and other applicable provisions of the *Kansas Water Appropriation Law, K.S.A. 82a-701 et. seq.*, and rules and regulations promulgated thereunder, K.A.R. 5-1-1 *et.seq.* With the exception of those conditions expressly contained herein, this Summary Order does not change the terms, conditions and limitations of File No. 14354 A change application was received on <u>FirBUARY | 2018</u>, 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. 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 The change in point of diversion shall not impair existing rights and shall be limited to the same source or sources of water as previously authorized. The point of diversion authorized by this summary order shall be located within a 300 foot radius of the authorized point(s) of diversion. Applicable Applicable ☐ Not Applicable The point(s) of diversion authorized herein shall not actually be located more than authorized point(s) of diversion. \square Applicable \square Not Applicable feet from the previously 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. ☐ Not Applicable The owner of the authorized place(s) of use shall properly install an acceptable water flow meter on or before December 31, 20 (8), 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. X Applicable ☐ Not Applicable Installation of the works for diversion of water shall be completed on or before December 31, 20 19, or within any authorized extension of time. By March 1, 20 1 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. X.Applicable Not Applicable The completed well log shall be submitted with the required notice. Applicable ☐ Not Applicable 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 Additional Conditions are attached. ☐ Yes No. 11. 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 FOR OFFICE USE ONLY You have the right to a hearing in accordance with K.A.R. 5-14-3 before this Summary Order becomes final action of the Kansas Department of Agriculture. Any request for a hearing must be filed with the Chief Engineer, Division of Water Resources, Kansas Department of Agriculture, 109 SW 9th Street, Topeka, Kansas 66612, within 15 days after the date shown on the Certificate of Service attached hereto. If a hearing is not requested in accordance with K.A.R. 5-14-3, this Summary Order will become effective on the 15th day after the date shown on the Certificate of Service APPLICATION APPROVED AND SUMMARY ORDER ISSUED By: Duly Authorized Designee of the Chief Engineer THOMAS MAKGUS (Print Name): Division of Water Resources - Kansas Department of Agriculture after the date shown on the Certificate of Service. FEBRUARY Date of Issuance: For Use by Register of Deeds State of Kansas SS County of Junney Acknowledged before me on Makens Signature: _ ONIS totary Public JULIE JONES NOTARY PUBLIC My Appointment Expires December 15, 2018 tausa^b My commission expires:

(Notary Seal)

Point of Diversion Change File No(s).14354 &16308 T27 R31 Haskell Co.



(2006 Scaled air photo)

0 650 1,300 2,600 3,900 5,200 Fee

- Authorized PD
- Requested PD
- Point of Diversion



WELL LOG



CUSTOMER NAME: RON UNRUH

LEGAL: SW 8-275-31W

COUNTY: HASKELL

GPS; 37

52,5" N

#2 EAST

\$17 SWL = 258' (EST.)

-100 44'

42'

14.4" W

DATE: 1/24/2018

	1	r	DRILLER:	RYAN			WO#:	
TW	FROM	то	ТҮРЕ	HARDNESS	COLOR	SPEED	PULL DOWN	OTHER / DRILLING ACTION
	0	4	TOP SOIL	SOFT	BLACK	FAST	NO	SMOOTH
	4	10	SILT	SOFT	BROWN	FAST	NO	SMOOTH
	10	13	FINE-MEDIUM SAND	SOFT	BROWN	FAST	NO	SLIGHT CHATTER
	13	34	SILT, FINE-MEDIUM SAND, AND CLAY	SOFT	BROWN	FAST	NO	SMOOTH
	34	45	FINE-MEDIUM-COARSE SAND AND VERY FINE-FINE GRAVEL	SOFT	RED	FAST	NO	CHATTER
	45	65	FINE-MEDIUM-COARSE SAND AND FINE-MEDIUM-TRACE OF COARSE GRAVEL	SOFT	RED	FAST	NO	CHATTER
	65	81	FINE-MEDIUM-COARSE SAND, FINE-MEDIUM-TRACE OF COARSE GRAVEL, AND CLAY LAYERS	SOFT	RED / BROWN	FAST	NO	IN & OUT CHATTER
	81	96	WHITE / BROWN CLAY WITH A TRACE OF GRAVEL STREAKS	SOFT	WHITE / BROWN	FAST	NO	SLIGHT CHATTER
	96	104	FINE-MEDIUM-COARSE SAND AND FINE-MEDIUM GRAVEL	SOFT	RED	FAST	NO	CHATTER
	104	115	BROWN / WHITE CLAY AND FINE SAND STRINGERS	SOFT	BROWN	FAST	NO	SMOOTH
	115	130	FINE-MEDIUM-COARSE SAND AND FINE GRAVEL	SOFT	RED	FAST	NO	CHATTER
	130	140	CLAY AND FINE SAND	SOFT	BROWN	SLOW	NO	
X	140	190	FINE-MEDIUM-COARSE SAND AND FINE GRAVEL	SOFT	RED	FAST	NO	SMOOTH
	190	215	CLAY	FIRM	BROWN	SLOW	NO	CHATTER
	215	256	BLUE CLAY		BLUE	SLOW		SMOOTH
Κ	256	272	FINE-MEDIUM-TRACE OF COARSE SAND, CEMENTED, AND TR. SILT LENSE	SOFT	BLUE		NO	SMOOTH
x	272	308	FINE-MEDIUM-COARSE SAND AND VERY FINE-FINE GRAVEL	SOFT	BROWN / RED	FAST	NO :	CHATTER
K	308	317	FINE-MEDIUM-COARSE SAND, VERY FINE GRAVEL, AND SANDY CLAY / MAG STRINGERS		TAN /	FAST		CHATTER
eran. Est	and the Co.	362	FINE-MEDIUM-COARSE SAND AND VERY FINE-FINE GRAVEL	SOFT	WHITE	FAST		CHATTER
1000 Apr	Artista en la compara de la co	*********	FINE-MEDIUM SAND, SILTY SANDY CLAY, AND MAG STRINGERS	SOFT	RED TAN /	FAST	VIII.	CHATTER
erai, . , .	375	390	CLAY (STICKY)	SOFT	WHITE	SLOW	NO	SLIGHT CHATTER
	390	396	BLUE SHALE	FIRM	TAN	SLOW	NO	SMOOTH
à de la composition della comp	396	402			BLUE BROWNISH	SLOW	NO	SMOOTH
	PARTA DE DE LA CO		BROWN SANDSTONE AND BROWN ROCK	SOFT	RED WH/LT GY	FAST	NO A	CHATTER /
***	arestat (j. 1931) Proposto (j. 1931)	the second of the second	LIGHT GRAY FINE-MED SAND, AND SOAPSTONE LEDGES	SOFT	YELLOW DARK	FAST	NO	CHATTER
	455	Laurana varia	DARK GRAY SHALE LENSES, LIMESTONE LAYERS, AND FINE SAND	SOFT	GRAY	FAST	NO 🤄	CHÁTTER /
			FINE SAND W/ SHALE LENSES	SOFT	GRAY	FAST	NO	CHATTER
essiver.	Control of 1		NEXT AND THE PROPERTY OF THE P	SOFT	GRAY DARK	FAST	NO i	CHATTER
	555	573	and the state of t	FIRMER	GRAY	SLOWER	NO	IN/OUT CHATTER
S - {	573	591	- 12 - 13 - 14 - 14 - 14 - 14 - 14 - 14 - 14	SOFT	GRAY DARK	FAST	NO	IN/OUT CHATTER
	591	620	SHALE WISOME FINE SAND LENSES	DENSER		SLOWER	NO	IN/OUT CHATTER
_	620	702	SHALE W/FEW FINE SAND LENSES	DENSE	GRAY	slow	NO	SMOOTH/LT CHTTR @ SAND LENSE
\dashv								
_								
_		***************************************						



Well Design & Construction

UP 274354 /14308 2633 N /360 iw From and PD

	er Name: RON L	JNRUH	
Legal:	NE/SW 8-27S-31W		County: HASKELL
G.P.S.:	37 ⁴ 42' 52.5" N 3	7.714 583	Date:
	100°44' 14.4" W	00.737333	WO # : 18-043
): LE DIAMETER: 30" IG DIAMETER: 16"		WATER SUPPLY: IRRIGATION WELL DRILLING RIG: M-100 DRILLING METHOD: REVERSE CIRCULATION QUIKGEL: TBD HOLE PLUG: 20'+
	WELL DEPTH: 565'		GRAVEL: 105 TON OF #1 COARSE & #1 FINE DW
	ILLING FLUID: TBD	GRAVE	EL SUPPLIER: HUBER
ADD GROUT	ITIONAL INFO:	TEST HOLE	E #2 LOCATION
AND GRAVEL			SCREEN AND CASING
0' 1" S	OUNDER TUBE	≥ [4" GRAVEL TUBE 0'
HOLE PLUG /	CHIP GROUT		36" X 20' CMP SURFACE CASING 46" BORE HOLE CONCRETE GROUT
	#1 COARSE GRAVEL PACK		16" .250 WALL PLAIN STEEL CASING 16" JOHNSON .080 SLOT AGRI-SCREEN
			383'
			16" .250 WALL STEEL CASING
			16" JOHNSON .050 SLOT
500'			AGRI-SCREEN 475' 16".250 WALL PLAIN
	#1 FINE GRAVEL PACK		STEEL CASING 16" JOHNSON .050 SLOT AGRI-SCREEN
	SOUNDER TUBE STOPS AT 540'		16" .250 WALL
565'			PLAIN STEEL CASING (SUMP) 565'



RON UNRUH

YANAMO,

; DOWNEY DRILLING INC.

NELL

: RON UNRUH

LOCATION/FIELD

COUNTY

: HASKELL

LOCATION

: SW

SECTION

; 8

TOWNSHIP

: 27S

OTHER SERVICES:

RANGE: 31W

DATE

: 01/24/18

PERMANENT DATUM : GL

KΒ

DEPTH DRILLER

: 702

LOG MEASURED FROM: GL

DF

LOC BOTTOM LOG TOP

: 704.00 : 0.30

DRL MEASURED FROM: GL

GL.

CASING DIAMETER: 10:

CASING TYPE CASING THICKNESS: LOGGING UNIT

: 1319

FIELD OFFICE

: DDI

RECORDED BY

: DAVE

BIT SIZE

: 6.25

BOREHOLE FLUID

: MUD

FILE : ORIGINAL

MAGNETIC DECL. : 0

RM

TYPE : 8144A

MATRIX DENSITY : 2.71

RM TEMPERATURE

LGDATE: 01/24/18

NEUTRON MATRIX : LIMESTONE

MATRIX DELTA T : 49 LGTIME: 20:00:

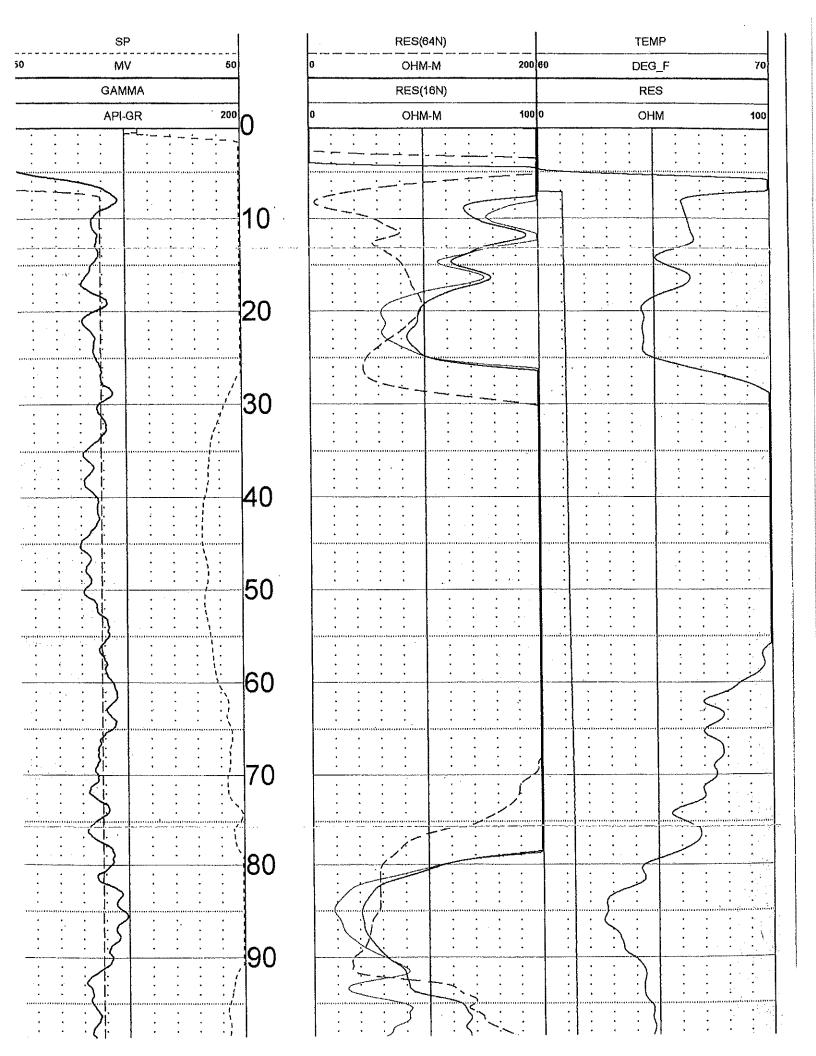
THRESH: 99999

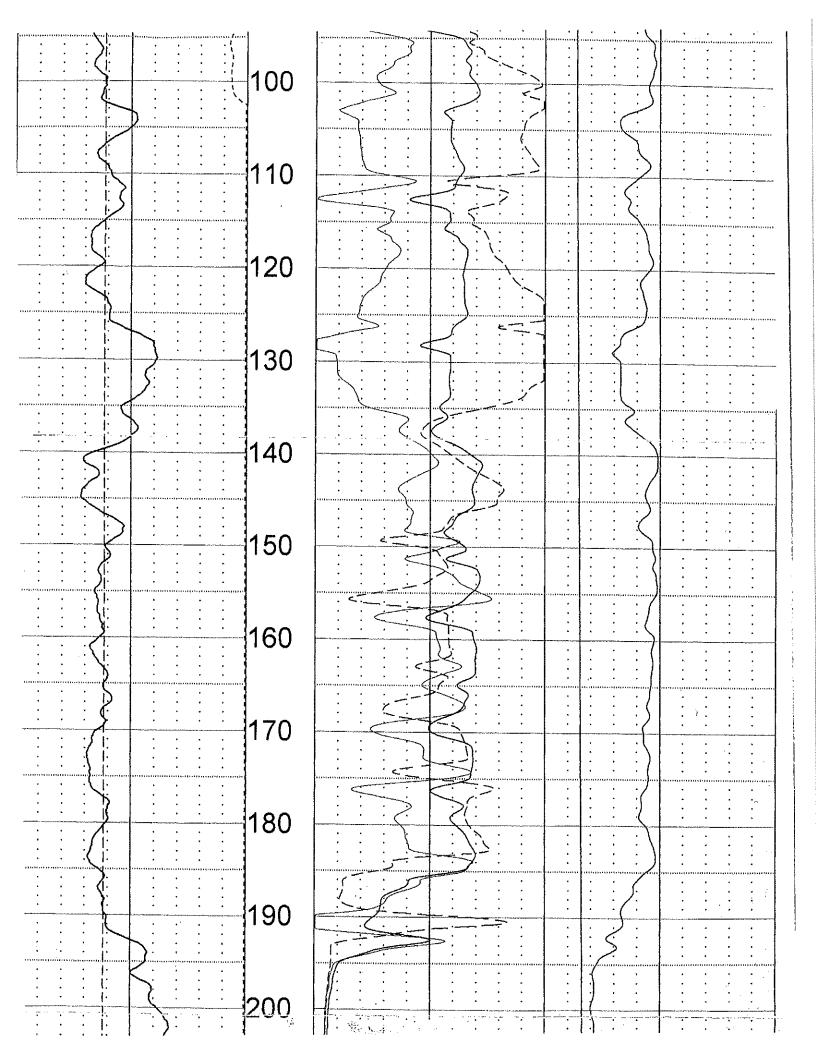
N 37-42=52,5 W-100-44-14.4

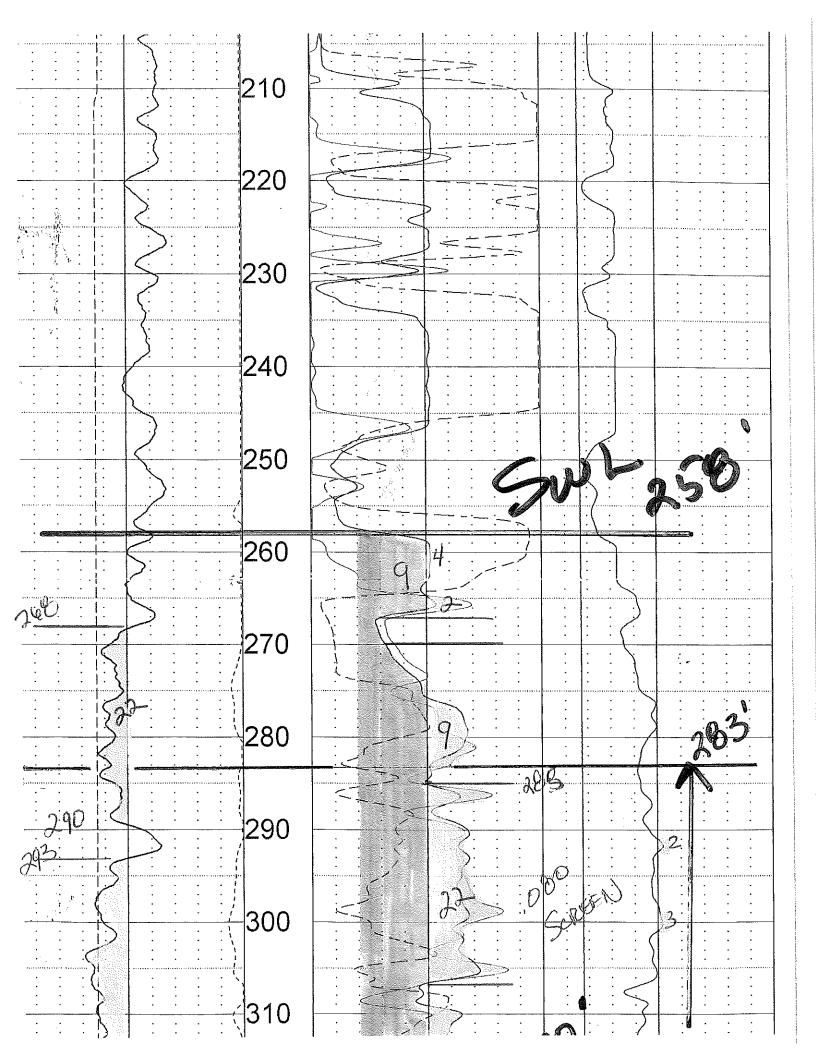
ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

	RES(FL)		FEET		LATE	ERAL									
5	OHM-M	15		0	OHI	M-M		100							
	SP				RES	(64N)						TEN	NP		
-50	MV	50		0	 ОН	M-M		200	60			DEC	}_F		70
W-1	GAMMA ´				RES	(16N)						RE	S		
0	API-GR	200	\cap	0	 ОН	M-M		100	0			OH	M		100
		:-	U		 			_:_		•	•			*	,,,,,,,,,,,,,
ن بسر بسد					 		• •			•	•	•	٠.	 	

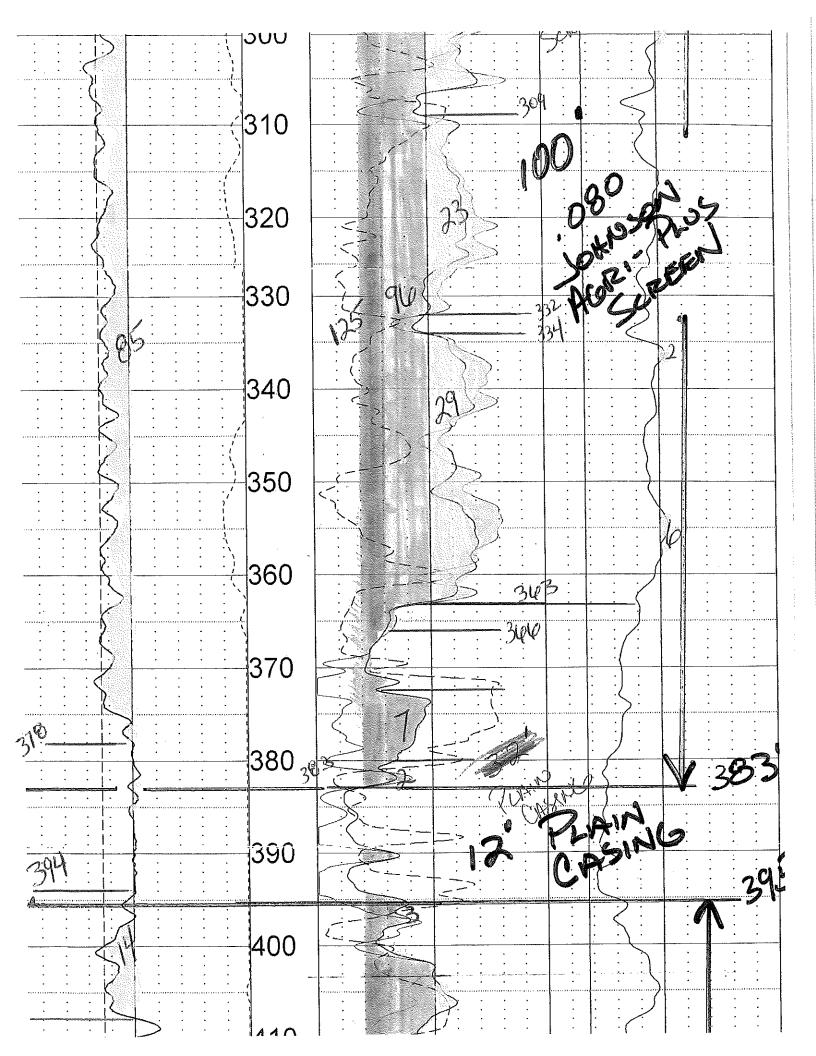
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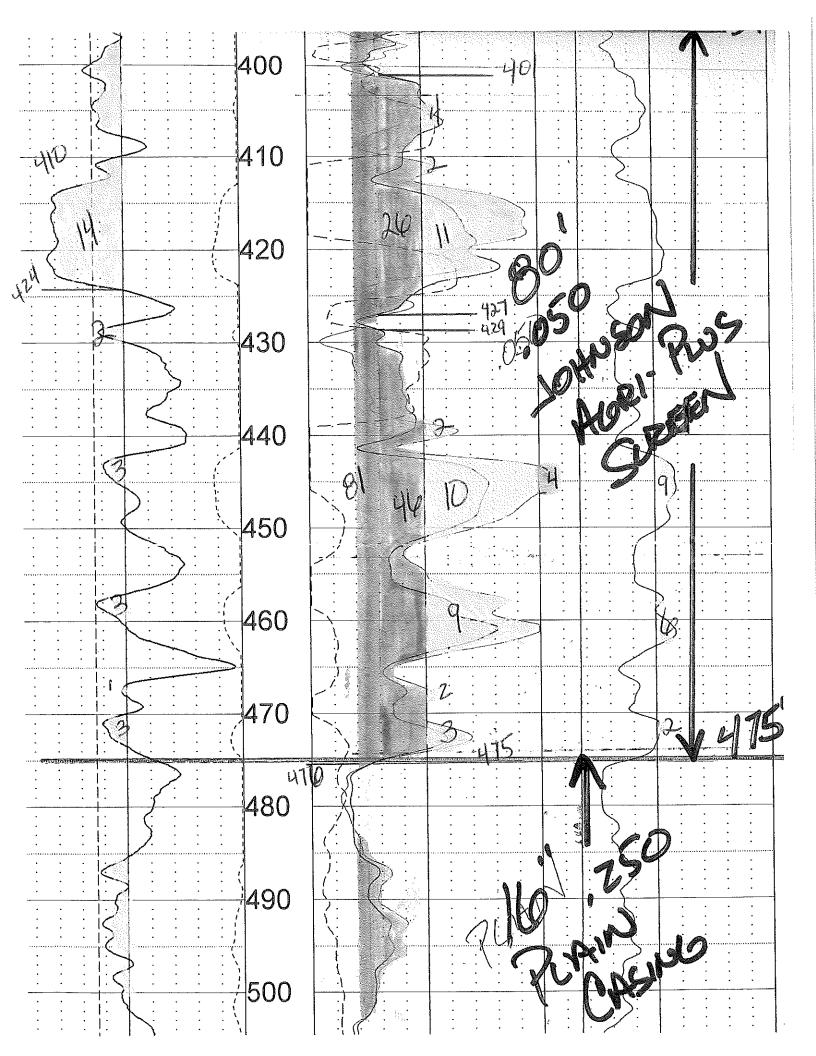
DOWNEY DRILLING, INC. PROPOSAL AND ACCEPTANCE

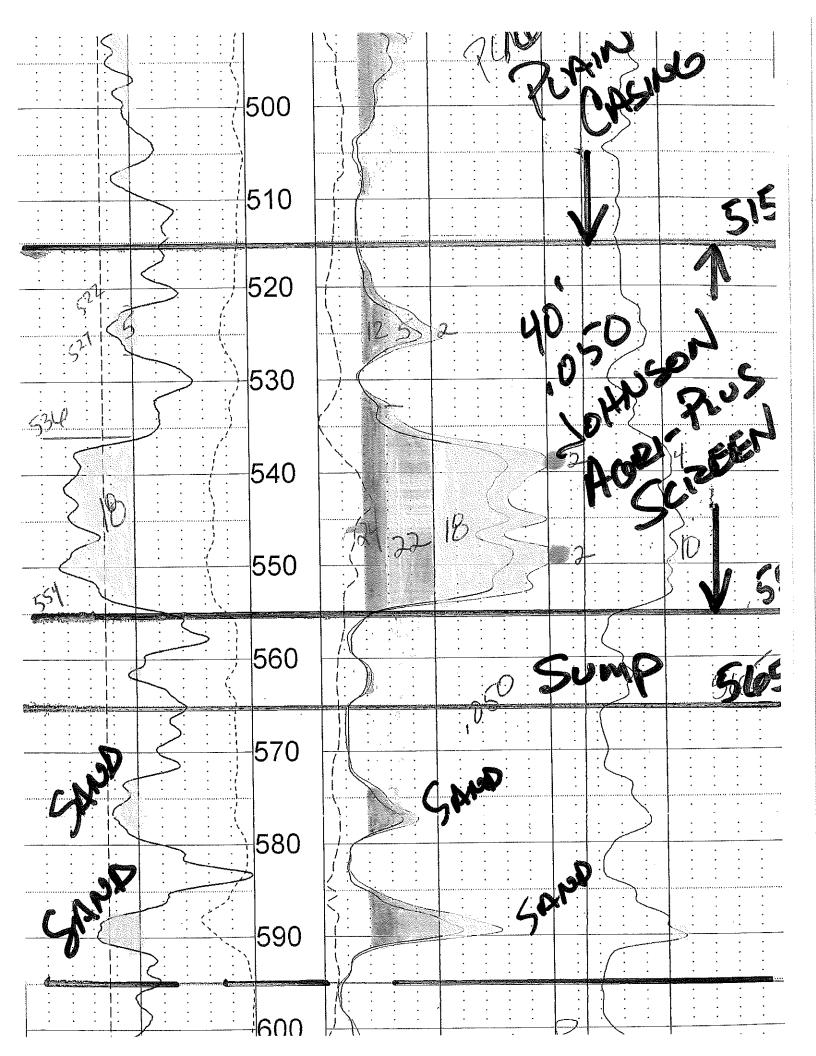
Lexington, NE 68850 1-308-324-2303

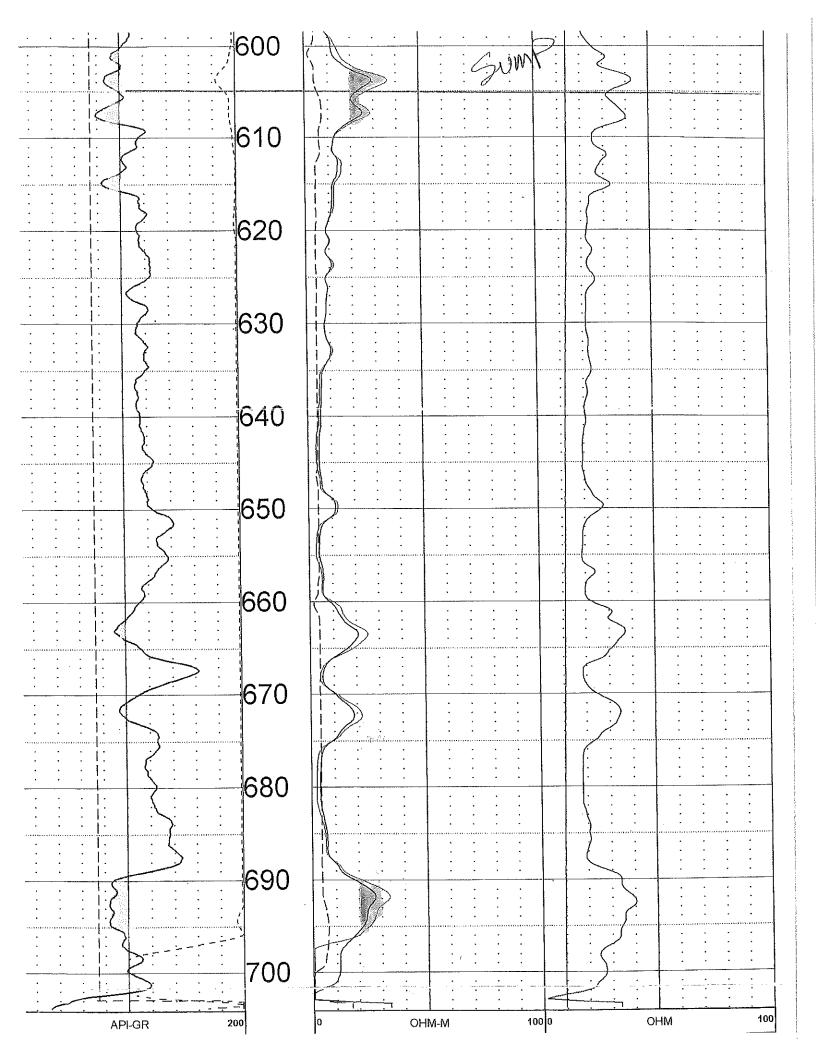
TO: RON UNRUH Address: COPELAND, KS

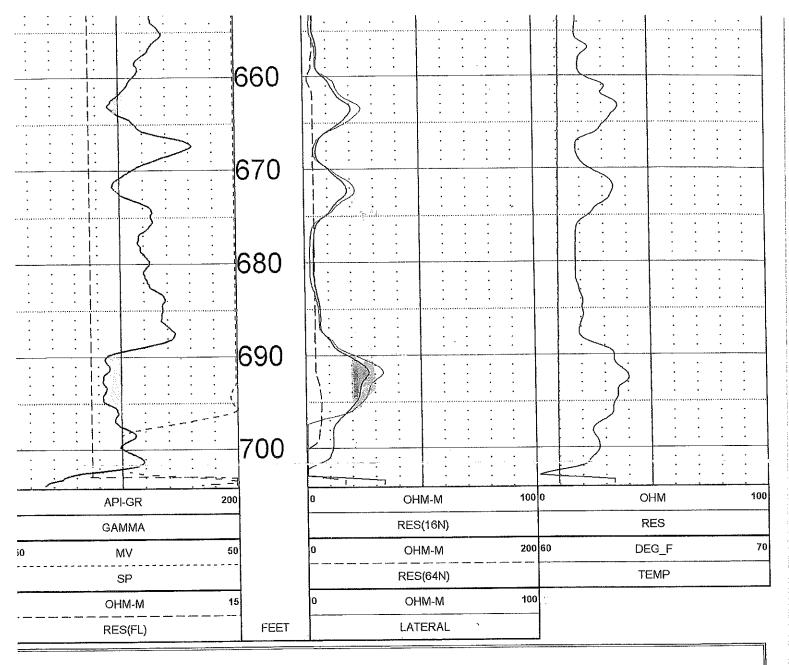
The state of the s	TIGAL MELL ACTION OCCUPT (ADDDOV)		
LEGAL: SW 8-27S-31W HASKELL CO., KS - IRRIGA	TION WELL 16" SWL 260 FT (APPROX)		
700 FT CREDIT FOR E-LOGGING TEST HOLE #	2	(1.50)	(1,050.00)
1 36" X 20 FT CMP SURFACE CASING W/CO	NCRETE GROUT (IF NECESSARY +\$3250.00)	3,250.00	3,250.00
565 FT LABOR TO DRILL IRRIGATION WELL 30		55.00	31,075.00
100 FT 16" JOHNSON AGRI SCREEN PLUS .08	W/WELD COLLAR (1000 FT RATED)	119.00	11,900.00
120 FT 16" JOHNSON AGRI SCREEN PLUS .05		119.00	14,280.00
347 FT 16" .250 STEEL CASING W/WELD COLL	AR INCLUDES 10 FT SUMP	49.50	17,176.50
1 DIG PIT (CUSTOMER TO PUSH)		950.00	950.00
1 WATER SUPPLY W/DDI PIPE F/ CUSTOME	R'S IRR WELL - INCLUDED		-
540 FT 1" PVC WATER LEVEL TUBE W/CAP		2.50	1,350.00
40 FT 4" SCH 40 PVC GRAVEL TUBE		6.50	260.00
105 TONS GRAVEL PACK #1 COARSE / #1 FIN	E (EST. QUANTITY) @ NET DELIVERED	34.00	3,570.00
20 FT SURFACE GROUT SEAL		85.00	1,700.00
1 DRILLING FLUID MATERIALS / ADDITIVES	AS NEEDED (ESTIMATED)	1,250.00	1,250.00
15 GAL PFD DISPERSANT (FOR DEVELOPME		18.00	270.00
565 WELL DEVELOPMENT W/SURGE BLOCK /		3.00	1,695.00
1 PROVIDE, SET , PULL 550 FT TEST PUMP,	RELATED EQUIPMENT INCL. ENGINE	5,500.00	5,500.00
18 HR TEST PUMPING AND DEVELOPMENT		100.00	1,800.00
OTHERS TO PROVIDE THE FOLLOWING:			-
1) CONCRETE WELL / ENGINE PAD			-
2) PUMP INSTALLATION			-
STIPULATIONS:			-
1) CUSTOMER / OWNER WILL BE BILLE			-
2) KANSAS SALES TAX WILL BE ADDED	110 APPLICABLE MATERIALS		-
***KANSAS SALES/USE TAX EXEMPT W/S	IGNED "FOR AG USE" EXEMPT FORM"		-
***PROPOSED WELL DESIGN:			-
+2 - 283 FT = 16" .250 STEEL CASING			
283 - 383 FT = 16" JOHNSON AGRI SCRI	EEN .080		-
383 - 395 FT = 16" .250 STEEL CASING	==N 050		-
395 - 475 FT = 16" JOHNSON AGRI SCRI 475 - 515 FT = 16" .250 STEEL CASING	±€14 .030		_
515 - 555 FT = 16" JOHNSON AGRI SCRI	==N 050		_
555 - 565 FT = 16" JOHNSON AGRI SCRI 555 - 565 FT = 16" ,250 STEEL CASING (-
TOTAL	,		\$ 94,976.50
KS SALES TAX ON NOT INCLUDED TOTAL			\$ 94,976.50
TOTAL		2	+ ,
	Grand Total	X	\$ 94,976.50
Full payment due 30 days after invoice.	Grand rotal	λ	Ψ 04,010.00
Material prices subject to change until contract sig	ined and accepted.	1	
material private analysis to trimings and second		1	
	By: TOM DOWNEY	A	>
	Dated this 29 day of Jan-18)	
	The undersigned, buyer, hereby accepts the	proposal.	÷
	Dated this day of		

			4.6





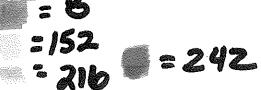




TOOL CALIBRATION RON UNRUH 01/24/18 20:00 TOOL 8144A TM VERSION 1 SERIAL NUMBER 365

	SEMIAL MOINI	DLIN JUJ					
	DATE	TIME	SENSOR	S	TANDARD	R	ESPONSE
1	Oct18,17	20:36:52	GAMMA	1.000	[API-GR]	4.000	[CPS]
	Oct18,17	20:36:52	GAMMA	340.000	[API-GR]	290.000	[CPS]
2	Jul12,17	13:24:17	RES(FL)	1,330	[OHM-M]	7595,000	[CPS]
_	Jul12.17	13:24:17	RES(FL)	42.700	[OHM-M]	64820.000	[CPS]
3	Jul12,17	13:24:23	. SP	0.000	[MV]	327520.000	(CPS)
Ū	Jul12,17	13:24:23	SP	390.000	[MV]	157140.000	[CPS]
4	Jul12.17	12:40:24	RES(16N)	0.000	[OHM-M]	5210.000	[CPS]
•	Jul12.17	12:40:24	RES(16N)) 1955.000	[OHM-M]	426837.000	[CPS]
5	Jul12.17	12:40:14	RES(64N)	0.000	[OHM-M]	5350,000	[CPS]
	Jul12.17	12:40:14	RES(64N) 1989.700	[OHM-M]	414870,000	[CPS]
6	Jul12.17	13:17:49	TEMP	33,400	[DEG_F]	66910.000	[CPS]
•	Jul12.17	13:17:49	TEMP	102.200	(DEG_F]	270930.000	[CPS]
7	Jul12.17	12:40:03	RES	0.000	[OHM]	5320.000	[CPS]
•	Jul12,17	12:40:03	RES	943.000	[OHM]	163939.000	[CPS]
					<i>6</i> 3.		





	4		



1320 Research Park Drive Manhattan, Kansas 66502 785-564-6700

Secretary Jackie McClaskey

900 SW Jackson, Room 456 Topeka, Kansas 66612 785-296-3556

Governor Jeff Colyer, M.D.

February 1, 2018

Southwest Kansas Groundwater Management District No 3 409 Campus Drive, Suite 106 Garden City KS 67846

Re: Water Right file number 14354, 16308

Dear Mr. Norquest;

Ron Unruh has applied to relocate the wells authorized by the above water right number. There is one neighboring well within ½ mile of the requested.

We are delaying action for 15 days on the change application to allow you time to review and provide a recommendation if you feel one is warranted.

Thank you and as always feel free to call or write us at any time.

Sincerely;

Thomas P Makens

TPM:tpm

enc



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

February 9, 2018

RECEIVED

Thomas P. Makens Division of Water Resources 2508 N Johns Street Garden City, Kansas 67846

FEB 0 9 2018

Garden City Field Office Division of Water Resources

RE:

Application for Change in Point of Diversion

Water Right, File No. 14354& 16308

Dear Thomas:

We have completed a review of the applications for the above referenced water rights. The proposal is not in conflict with the Management Program of the Southwest Kansas Groundwater Management District No. 3 (GMD3). The proposed distance moved and well spacing is in accordance with K.A.R. 5-23-3. It is therefore recommended that the applications be approved at this time.

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

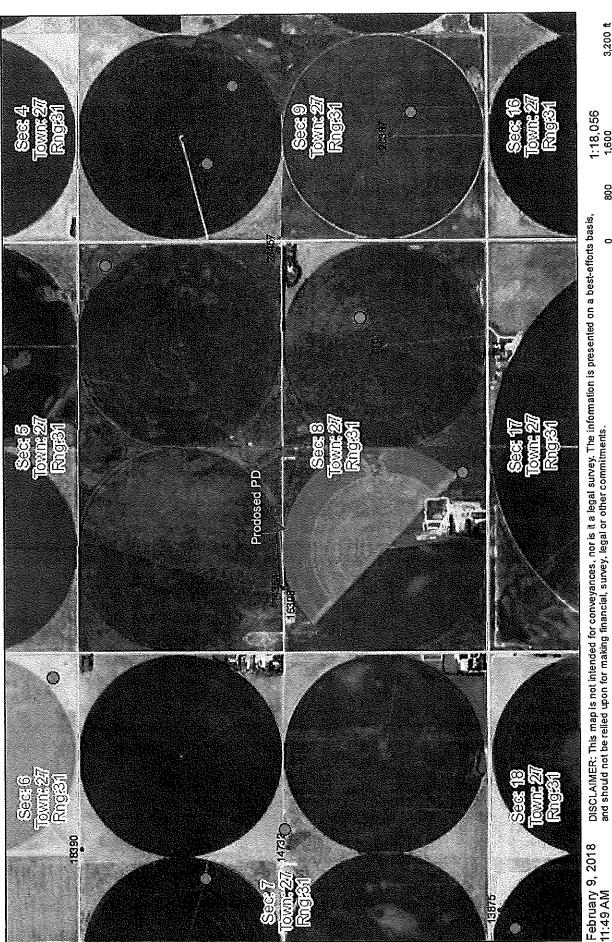
Sincerely

Jason L. Norquest Assistant Manager

GMD3 Change Review

File No(s).: <u>14354 & 16</u>	<u> 308</u> .		DWR office: <u>GC</u> .	
App filed to change: Pl	<u>)</u> .			
Is Landowner(s) correct	in WRIS: _ <u>`</u>	<u>es</u> .		
If NO, is docume	ntation inclu	ded?		
Is Water Use Correspond	lent correct in	n WRIS'	? _Yes.	
If NO, is docume	ntation inclu	ded?		
Regulation(s) Reviewed:				
Point of diversion ID No	(s) <u>2</u> being	g change	ed.	
ft. No	rth ft. W	est		
Authorized PD 2	2600	4300	Sect. 8-27-31	
	2633	3601		
Difference	-33 N	699 E		
		88601	699.7785 foot move NE	ı
GPS for proposed PD: L		-		
			These 2 WRs already stacked.	
s Proposed PU overlapp	ing existing \	WRs? _	*	
Land Owner(s) notified:	Appears so	ļ .		
Name	Name	<u>_·</u>		
Address	Address	<u> </u>		
Zip <u> </u> .	Zip	·		
Neighboring certified we	ll(s) notified:	:		
Name	Name	<u></u> .		
Address	Address			
Zip <u> </u>	Zip			
Domestic well(s) notified	: None wer	<u>re in the</u>	area of concern .	
Name	Name	<u></u> :		
Address	Address	<u></u> .		
Zip <u> </u>	Zip	•		
Base Acres:				
Perfected Acres:				
rr. Return-Flow%				
s a waiver needed: No.				
			available information, it appears	the current
irea rules are met. Staff t	herefore reco	<u>ommend</u>	s approval of the applications.	

12



1:18,056 1,600 20 800 250 Sections RECEIVED FEB 0.9 2018 WWC5 WELLS GMD3 Empty 0 NOM REC STK Ç HYD FPR 00 00 DEW **∑**00 X Other RR Wells

*[

1,000 m

jason GIS Workshop, LL.C.

Division of Water Resources. Garden City Field Office

4

Water Rights and Points of Diversion Within 1.00 miles of point defined as: 2633 ft N and 3601 ft W of the SE Corner of Section 8, T 27S, R 31W Located at: 100.737332 West Longitude and 37.714583 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	7101	00	IRR	NK	G		2753		SW	NΕ	SE	1380	1150	8	27	31W	4	500.00	500.00	AF 2100
A	7600	00	IRR	NK	G	,	4839		NE	SE	NW	3767	3009	7	27	31W	4	320.00	320.00	AF !
A	14354	00	IRR	NK	G*	-	700		NE	NM	SW	2600	4300	8	27	317	2	200.00	200.00	AF
A	14732	00	IRR	NK	G	- [4188		NW	NW	SE	2585	2505	7	27	31W	5	640.00	640.00	AF 275
A	15946	00	IRR	NK	G		5062		NE	SW	NW	3891	3970	9	27	31W	8	252.00	252.00	AF 21"
A	16308	00	IRR	NK	G*	يسك	7700		NE	NW	SW	2600	4300	8	27	31W	2	272.00		AF
A	18390	00	IRR	NK	G		4929		NW	WM	NE	5200	2500	7	27	31W	3	304.00	304.00	AF FIFT
A	19353	00	IRR	NK	G		5261		CN	NE	SW	2610	3280	5	27	31W	1	414.00		AF
A	19979	00	IRR	NK	G		4466		NE	SW	SE	1211	1369	5	27	31W	4	252.00	252.00	AF
A	20387	00	IRR	NK	G		5152		NII	NE	SW	1220	3925	9	27	31W	6	266.00	266.00	AF
A	22082	00	IRR	NK	G		4945			NC	SE	1320	1250	6	27	31W	2	270.00	270.00	AF
A	23457	00	IRR	NK	G		3502		SE	SE	NE	2700	100	8	27	31W	3	280.00	100.00	AF
A	23675	00	IRR	NK	G		4002			NC	NW	3950	3920	17	27	31W	3	/353.00	353.00	AF V
A	44886	00	IRR	NK	G		4002			NC	NW	3950	3920	17	27	31W	3	353.00	.00	AF V

Total Net Quantities Authorized:	Direct	Storage	
Total Requested Amount (AF) =	.00	.00	,
Total Permitted Amount (AF) =	.00	.00	4 Pour & 1
Total Inspected Amount (AF) =	.00	,00	4 (4
Total Pro_Cert Amount (AF) =	.00	.00	' \ 6'
Total Certified Amount (AF) =	4143.00	.00	W C
Total Vested Amount (AF) =	.00	.00	(1)

.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.

4143.00

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:

100.737332 West Longitude and 37.714583 North Latitude

(AF) =

GROUNDWATER ONLY

TOTAL AMOUNT

WATER USE CORRESPONDENTS:

File Number Use ST SR

A__ 7101 00 IRR NK G

> RONALD D & CHERYL D UNRUH

>----

> 2032 30TH RD

2 2032 3016 KD

> COPELAND KS 67837

A__ 7600 00 IRR NK G

- > KU ENDOWMENT ASSN
- > 1ST NATL BANK HUTCHINSON
- > PO BOX 913
- > HUTCHINSON KS 67504