

Kansas Department of Agriculture / Division of Water Resources
Stockton Field Office

TO: HEADQUARTERS

RE Vested Right; Water Right; Appropriation of Water; Application

File No(s). 24934 County SH

Enclosed are the following checked items:

A FIR Full Partial Inspection Return to Field Office
 Proposed Certificate to deliver to Certificate Unit

Meter Order: GMD#4
 Lower Smoky
 Other

A Compliance Check Inspection on
 Meter Install New App Chg App Other
 In Compliance Not in Compliance, why
Modify Point of Diversion No Yes, document attached
Indicate all overlapping p/d files

- An application and judgment sheet with recommendation.
- A memorandum dated
- A request for an extension of time to perfect or complete.
- A verified report.
- A closure request.
- A field investigation report.
- Notice of Non-Compliance

Violation Date

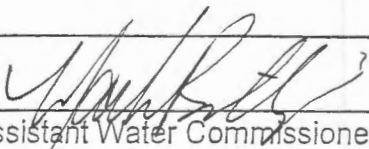
- An ownership change (name(s) and address(es) below).
- A water use report for
- A letter dated

A copy of an Approval to Change the place of use and/or point of diversion,
 Filing Fee attached. #005313
\$100.00

An Advanced copy of a change application and the filing fee, to be processed at the field office.

An original field office change application and the filing fee needing headquarters office review and further processing.

Other: WUS Farmland LTD
2450 Central Ave. Unit #P3
Boulder, CO 80301


Assistant Water Commissioner

5/22/17
Date

CHECK SHEET Short Change

File No. 24,936

Field Office No. 3

GMD No. 4

1. **Plugging agreement obtained for GMD?** Yes No Non Applicable
2. **Is Landowner correct as currently shown in WRIS?** Yes No **Address Change?** YES

If applicable, list Place of Use Overlap File Nos. _____

3. **Is Water Use Correspondent correct as currently shown in WRIS?** Yes No **Address Change?** YES

Name of Former WUC WDMG REAL ESTATE Name of New WUC WUS FARMLAND LTD

2450 CENTRAL AVENUE, UNIT # P3 BOULDER, CO 80301

4. a. **Point of diversion computer ID No(s).** 1 for point(s) being changed.

- b. **Show feet distances from the** SE **corner of the section for the new point(s) of diversion:**

Action	PDIV ID	Geo Ctr?	Sec	Twp	Rng	'N	'W	County	Qualifiers
DEL	22689		04	10S	42W	82	283	SH	SE SE SE
ENT	NEW		04	10S	42W	154	14	SH	SE SE SE

- c. **If multiple points of diversion exist and rates and quantities are individually assigned, show:**

Old PDIV ID	Authorized Rate	Additional Rate	Authorized Quantity	Additional Quantity
_____	_____ gpm/cfs	_____ gpm/cfs	_____ af/mgy	_____ af/mgy
_____	_____ gpm/cfs	_____ gpm/cfs	_____ af/mgy	_____ af/mgy

- d. **Name of Drainage Basin** N F SMOKY HILL RIVER **Is this correctly shown in WRIS?** Yes No

- e. **Formation Name & No.** OGALLALA FORMATION/211 **Special Use Area** _____

5. **Distances from the previous/original p/d:** 72 ' N 269 ' E

6. WATER RIGHT ACTION TRAIL COMMENTS

05/22/2017 Change Application Received (date accepted for priority)

05/22/2017 Change Approved

 / / Notice and Proof by 12/31/2017

 / / Completion Requirement Removed (Change No. C)

7. METER ACTION TRAIL COMMENTS

05/22/2017 DWR Meter Required by 12/31/2017

8. Base Acres _____ Year _____ Minimum Reasonable Quantity _____

Date Created 5/22/17 by **BILLINGER**

Date Entered _____ by _____

CHECK SHEET ATTACHMENT

Changes to the place of use will be:

File Number 24,936

Action	Owner Person ID	Place Use ID #	Sec.	Twp.	Range		NE¼				NW¼				SW¼				SE¼				TOTAL ACRES
							NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
MOD	NEW1	21118	03	10S	42W	Acres Authorized									12	10	37	40					99
						New Acres													12	10	37	40	
MOD	NEW1	6919	04	10S	42W	Acres Authorized													10	5	40	37	92
						New Acres																	10
						Acres Authorized																	
						New Acres																	
						Acres Authorized																	
						New Acres																	

Names and Address:

1. Person ID # <u>NEW1</u> <u>WUS FARMLAND LTD</u> <u>2450 CENTRAL AVENUE, UNIT #P3</u> <u>BOULDER, CO 80301</u>	2. Person ID # _____ _____ _____ _____	3. Person ID # _____ _____ _____ _____
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GENERAL INSTRUCTIONS

- | | | |
|--|--|---|
| 1. Give to Applicant:
a. <u>Original</u> application/approval
b. Original receipt (one for <u>each</u> application)
c. Information packet containing:
<ul style="list-style-type: none"> • Notice and Proof form • Water Meter Specifications • Acceptable Meter list • Water level measurement tube specifications • Check Valve specifications • Pink Sheet - K.S.A. 82a-728 letter • Form stating to record in Register of Deeds Office (OPTIONAL AS NEEDED) | 2. Send to headquarters:
a. Good, <u>microfilmable</u> copy of application and/or approval and this check sheet
b. Original check and copy of receipt
c. Test hole log
d. GMD recommendation, if any
e. Map or aerial photograph, if any
3. Send to KDHE: Letter (KDHE.LT) advising of location of abandoned well. <input checked="" type="checkbox"/> | 4. Date stamp received and approved.
5. Complete ownership and WUC change information.

<p align="center"><u>ADDITIONAL PHOTOCOPIES</u></p> _____

_____ |
|--|--|---|

CONDITIONS

1. Insert notice and proof date.
2. Type or print applicant's/owner's name on line.
3. Complete notary statement.



Stockton Field Office
820 S. Walnut
Stockton, Kansas 67669-0192
Jackie McClaskey, Secretary
David W. Barfield, Chief Engineer
Kelly Stewart, Water Commissioner

Phone: (785) 425-6787
Fax: (785) 425-6842
www.agriculture.ks.gov
Sam Brownback, Governor

May 22, 2017

WUS Farmland LTD
2450 Central Ave. Unit # P3
Boulder, CO 80301

Re: Water Right, File No. 24,936

Dear Sir or Madam:

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

Your attention is directed to the terms, conditions, and limitations specified in this approval for change. Also, the approval of the order requires the installation of a water flow meter(s) on the point(s) of diversion authorized under the above referenced file number by **December 31, 2017**. Please complete and return the enclosed Notice of Completion of Diversion Works when a water flow meter has been installed. A copy of the Chief Engineer's specifications for the water flow meters are found in K.A.R. 5-1-4 through K.A.R. 5-1-12 along with a partial list of those flow meters found to be acceptable for installation in Kansas can be found on our website at the following web address:

<http://agriculture.ks.gov/meters>

Please note that all meters must be installed and maintained in accordance with the specifications for water flow meters referenced above.

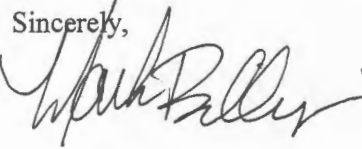
The abandoned water well must be plugged in accordance with the requirements of Article 30 of the Rules and Regulations as adopted by the Kansas Department of Health and Environment (KDHE). If the well is to be retained by the landowner for other purposes, a copy of the legal transfer of responsibility for maintenance of the well must be forwarded to KDHE Geology Section, 1000 SW Jackson, Suite 420, Topeka, Kansas 66612, telephone number (785) 296-5524. More information is available online at: <http://kdheks.gov/waterwell>

Since this order modifies the original certificate, it should be recorded with the Register of Deeds just as other legal documents affecting real estate. Such records are maintained at the Register of Deeds Office in the county wherein the place of use is located.

This document is a summary order by this agency regarding this matter. 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.

(over)

If you have any questions, please feel free to contact this office at (785)425-6787. If you wish to refer to a specific file, please reference it when you contact us.

Sincerely,


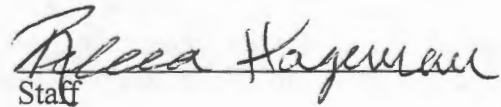
Mark Billinger
Assistant Water Commissioner

MB:rfh
Enclosures
pc: G.M.D.4

CERTIFICATE OF SERVICE

On this 22nd day of May, 2017, I hereby certify that the attached **SUMMARY ORDER APPROVING APPLICATION FOR CHANGE in POINT OF DIVERSION** for water right, File No. 24,936, dated on the 22nd day of May, 2017, was mailed postage prepaid, first class, U.S. mail, to the following:

WUS Farmland LTD
2450 Central Ave. Unit # P3
Boulder, CO 80301


Staff

A copy of the Change Approval was sent to the following:

Groundwater Management District No. 4
P.O. Box 905
Colby, KS 67701

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

WATER METER REQUIRED

APPLICATION COMPLETE

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.

5/22/17
 Reviewer ms

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.

RECEIVED

File No. 24936

MAY 22 2017
 11:27 a.m.
 Stockton Field Office
 Division of Water Resources

1. Application is hereby made for approval of the Chief Engineer to change the (check one or both):

Place of Use Point of Diversion

under the water right which is the subject of this application in accordance with the conditions described below.

The source of supply is: Groundwater Surface water

2. Name and address of Applicant: WUS FARMLAND LTD

2450 CENTRAL AVENUE, UNIT # P3 BOULDER, CO. 80301

Phone Number: (720) 352-3222

Email address: _____

Name and address of Water Use Correspondent: SHOULD BE CHANGED TO ABOVE

Phone Number: () _____

Email address: shermanwu@mig-intl.com

3. The presently authorized place of use is:

Owner of Land --- NAME: NO CHANGE PLUSE

ADDRESS: _____

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

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

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

Owner of Land --- NAME: NO CHANGE PLUSE

ADDRESS: _____

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

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

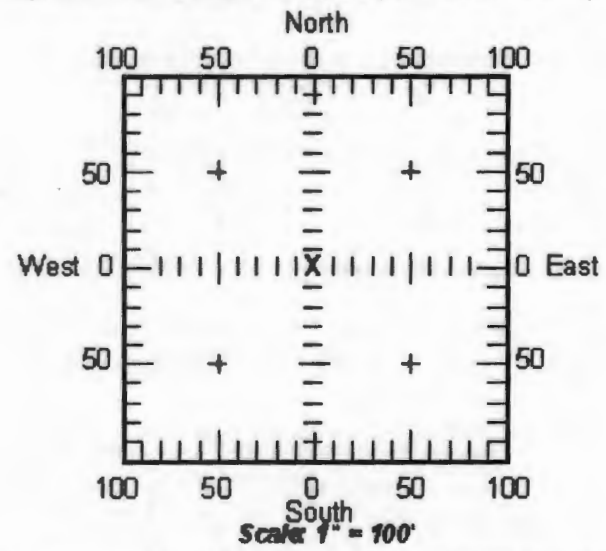
For Office Use Only: Code _____ Fee \$ _____ TR # _____ Receipt Date _____ Check # _____

5. **Presently authorized point of diversion:**
 One in the SE Quarter of the SE Quarter of the SE Quarter of Section 4, Township 10 South, Range 42 W, in SHERMAN County, Kansas, 64 feet North 298 feet West of Southeast corner of section.
 Authorized Rate 515 GPM Authorized Quantity 261 AF Depth of well _____ (feet)
 (DWR use only: Computer ID No. 1 GPS 82 feet North 283 feet West)
 This point will not be changed This point will be changed as follows:
Proposed point of diversion: (Complete only if change is requested)
 One in the SE Quarter of the SE Quarter of the SE Quarter of Section 4, Township 10 South, Range 42 W, in SHERMAN County, Kansas, 154 feet North 14 feet West of Southeast corner of section.
 Proposed Rate 515 GPM Proposed Quantity 261 AF Proposed well depth (feet) 301.
 This point is: Additional Well Geo Center List other water rights that will use this point _____

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

7. Why do you need a new point of diversion? CASING
COLLAPSE

the diagram below in relation to the existing point of diversion.
 (PLEASE NOTE: The "X" in center of diagram below represents presently authorized point of diversion.)



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

9. When do you propose to complete the new point of diversion?
ASAP

10. If the point of diversion is a well:
 (a) What are you going to do with the old well?
PLUG

(b) When will this be done? 2 MONTHS

11. Groundwater Management District recommendation attached?
 Yes No

12. Assisted by RL GMD #4 _____

13b. If the proposed point of diversion will be relocated more than 100 feet but within 1320 feet from the existing point of diversion, attach a topographic map or aerial photograph. For groundwater sources, show all wells (including domestic) within one-half mile of the proposed point of diversion and the names and mailing addresses of the owners. For surface water sources, show the names and addresses of the landowner(s) one-half mile downstream and one-half mile upstream from your property lines.

13a. If the proposed point of diversion will be relocated within 100 feet of the existing point of diversion, indicate its location on

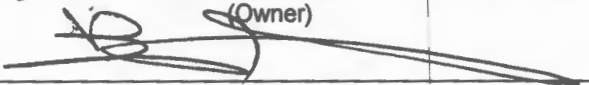
14. If the proposed groundwater point of diversion is 300 or fewer feet from existing point of diversion, complete the following:

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

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

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

Dated at Boulder, Colorado, ~~Kansas~~, this 16th day of May, 2017.

Zhongmin Wu / Wu's farmland Ltd

 (Owner)
 (Please Print)

 (Spouse)
 (Please Print)

 (Owner)
 (Please Print)

 (Spouse)
 (Please Print)

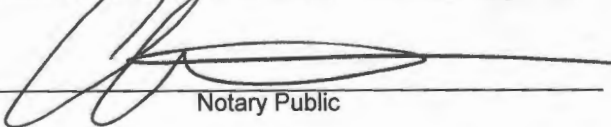
 (Owner)
 (Please Print)

 (Spouse)
 (Please Print)

State of ~~Kansas~~ Colorado }
 County of Boulder } SS

CHRISTOPHER M. FLOWERS
 Notary Public
 State of Colorado
 Notary ID: 20164023624
 My Commission Expires 06/21/2020

I hereby certify that the foregoing application was signed in my presence and sworn to before me this 18th day of May, 2017.


 Notary Public

My Commission Expires 06/21/2020.

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

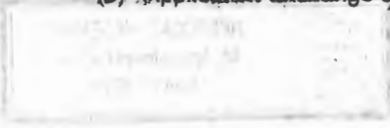
FEE SCHEDULE

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

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

RECEIVED

MAY 22 2017



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. 24936.

1. A change application was received on 5-22-17 requesting that the place of use and / or point of diversion authorized under the above-referenced file number be changed as described in the application.
2. On and after the effective date of this summary order, the authorized place(s) of use shall be located substantially as shown on the topographic map accompanying the application to change the place of use. Applicable Not Applicable
3. The change in point of diversion shall not impair existing rights and shall be limited to the same source or sources of water as previously authorized. The point of diversion authorized by this summary order shall be located within a 50 foot radius of the authorized point(s) of diversion. Applicable Not Applicable
4. The point(s) of diversion authorized herein shall not actually be located more than _____ feet from the previously authorized point(s) of diversion. Applicable Not Applicable
5. As required by K.A.R. 5-3-5d, if the works for diversion is a well with a diversion rate of 100 gallons per minute or more, a tube or other device suitable for making water level measurements shall be installed, operated and maintained in accordance with K.A.R. 5-6-13. Applicable Not Applicable
6. **The owner of the authorized place(s) of use shall properly install an acceptable water flow meter on or before December 31, 2017**, or before the first use of water, whichever occurs first. The water flow meter shall be installed, operated and maintained in accordance with K.A.R. 5-1-4 through 5-1-12. As required by K.S.A. 82a-732, as amended, and K.A.R. 5-3-5e, the owner shall maintain records and report the reading of the water flow meter and the total quantity of water diverted annually to the Chief Engineer by March 1 following the end of each calendar year. Applicable Not Applicable
7. **Installation of the works for diversion of water shall be completed on or before December 31, 2017**, or within any authorized extension of time. By March 1, 2018, the applicant shall notify the Chief Engineer that construction of the works for diversion has been completed, on the form provided by the Chief Engineer, as required by K.A.R. 5-8-4e. Applicable Not Applicable
8. **The completed well log shall be submitted with the required notice.** Applicable Not Applicable
9. 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
10. 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

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.

For Use by Register of Deeds

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

By: Mark Billinger

 Duly Authorized Designee of the Chief Engineer

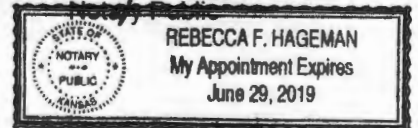
(Print Name): Mark Billinger
 Division of Water Resources - Kansas Department of Agriculture

Date of Issuance: 5-22-17

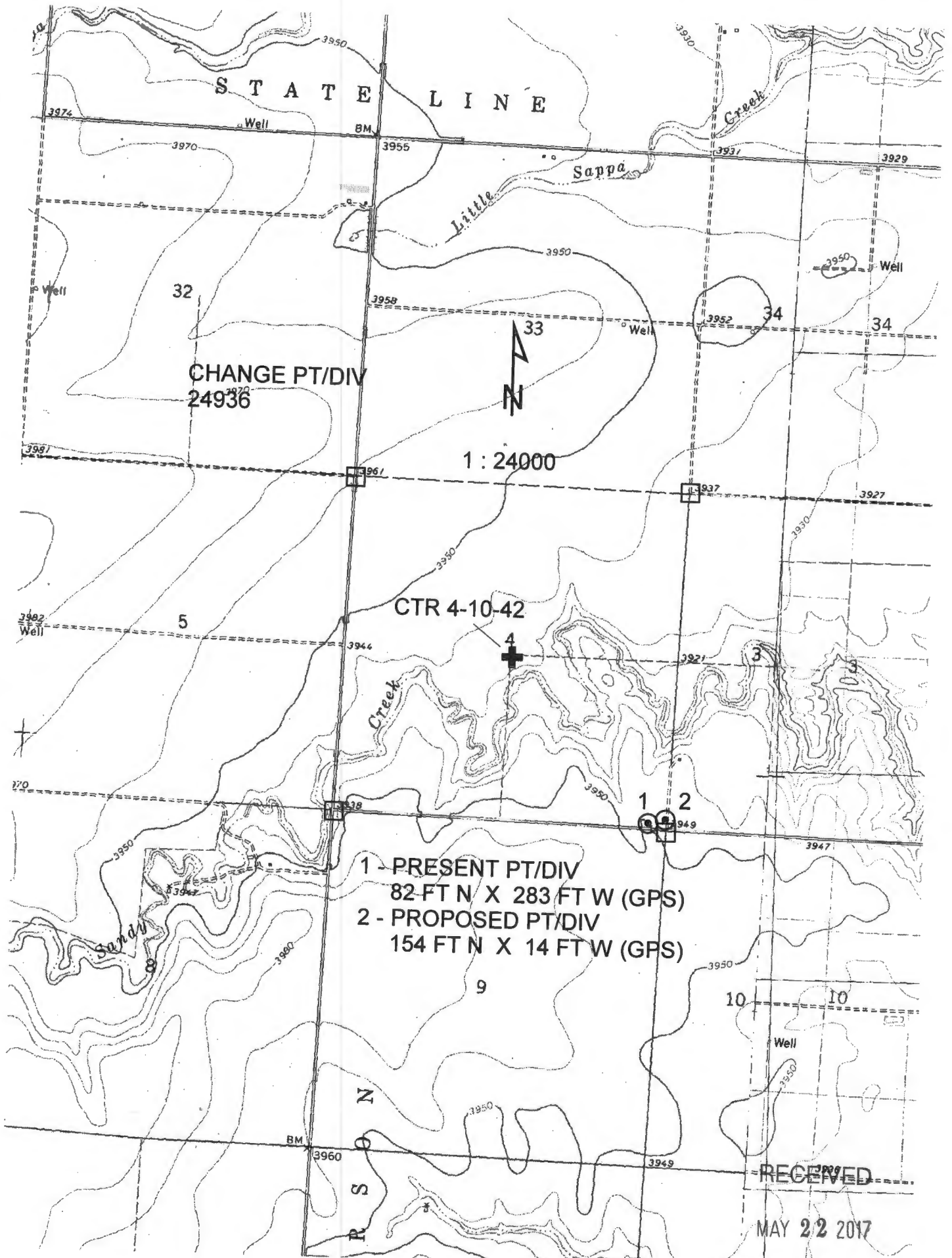
State of Kansas)
) SS
 County of Rooks)

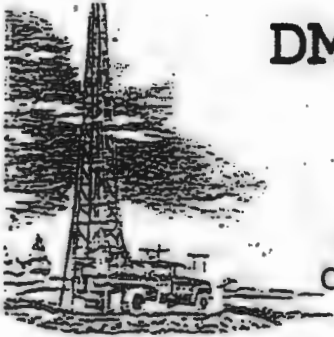
Acknowledged before me on 5-22-17
 by Mark Billinger

Signature: Rebecca Hageman



My commission expires: 6-29-19 (Notary Seal)





DMW WELL & PUMP SERVICE

A DIVISION OF DUERST MACHINE WORKS

PO BOX 99 463-13TH STREET

BURLINGTON CO 80807-0099

PHONE 719-346-5348

FAX 719-346-7029

CO LICENSE #1136 & 1278

KS LICENSE #633

CUSTOMERS NAME: WU
 STREET ADDRESS: _____
 CITY & STATE: _____
 COUNTY Sherman QUARTER 5E1/4 SECTION 4 TOWNSHIP 10S RANGE 42W

DATE: 5-9-17
 TEST# 1 E. LOG yes
 DRILLER GREG

LOCATION: 285' EAST, NORTHEAST OF EXISTING

FOOTAGE		DESCRIPTION OF STRATA	WELL LOCATION	
FROM	TO		STATIC WATER LEVEL	PROPOSED WELL DEPTH
0	2	TOP SOIL	183'	SHALE
2	22	BROWN SILTY CLAY		
22	42	BROWN SILTY CLAY FIRST 12' - SAND, SANDY CLAY WITH SANDSTONE LAYERS REST		
42	62	SAND, SMALL TO MEDIUM GRAVEL, SANDSTONE STREAKS		
62	82	SAND, BROWN SANDY CLAY, SANDSTONE LAYERS FIRST 15' - SAND, SMALL TO MEDIUM GRAVEL REST		
82	102	SAND, SMALL GRAVEL, SANDSTONE STREAKS FIRST 15' BROWN SILTY CLAY, SANDSTONE REST		
102	122	SAND, SMALL GRAVEL FIRST 13' - BROWN SANDY CLAY REST		
122	142	SAND, SMALL GRAVEL, SANDSTONE STREAKS		
142	162	SAND, SMALL GRAVEL, BROWN SANDY CLAY		
162	182	SAND, SANDY CLAY, SANDSTONE LAYERS		
182	192	FINE TO COARSE SAND, BROWN SANDY CLAY, SANDSTONE LAYERS		
192	202	FINE SAND, BROWN SANDY CLAY, SOME SMALL GRAVEL, SANDSTONE LAYERS		
202	212	FINE TO COARSE SAND, SOME BROWN SANDY CLAY, SANDSTONE LAYERS		
212	232	FINE SAND, SANDSTONE STREAKS		
232	237	FINE SAND, LITTLE BROWN SANDY CLAY		
237	247	FINE SAND, BROWN SANDY CLAY, SANDSTONE STREAKS		
247	252	FINE TO COARSE SAND, SMALL TO MEDIUM GRAVEL, LITTLE BROWN SANDY CLAY		
252	262	FINE TO COARSE SAND, SMALL GRAVEL, ROCK STREAKS		
262	272	FINE TO COARSE SAND, GREEN SANDY CLAY		
272	282	GREEN SANDY CLAY		
282	292	FINE TO COARSE SAND, SMALL GRAVEL, GREEN SANDY CLAY		
292	301	COARSE SAND, MEDIUM TO LARGE GRAVEL		
301	302	BLACK SHALE		

RECEIVED

MAY 22 2017

Field Office

DMW WELL & PUMP SERVICE

A DIVISION OF DUERST MACHINE WORKS
PO BOX 99 * BURLINGTON, CO 80807
719-346-5348

ELECTRO LOG

1

LOCATION: 285' E. NE OF EXISTING OWNER: WU

MEASURING POINT: 0 feet above/below ground level DATE: 5-9-17

DRILLER: GREG BOREHOLE DEPTH: 302 feet, DIAMETER 5 1/2 inches

CASING DEPTH: _____ feet, DIAMETER _____ inches OPERATOR GREG

Spontaneous Potential (millivolts)					Depth (ft)	Resistivity (ohm-ft)						
-400	-200	0	200	400		r=10'	r=20'	r=40'	8000	16000	24000	32000
-100	-50	0	50	100	SP	(Circle one) Normal Lateral 0			2000	4000	6000	8000
						(25)	2.5	10	200	400	600	800
						100	200	300	400			
					182	218						
					187	208						
					192	257						
					197	221						
					202	243						
					207	266						
					212	330						
					217	280						
					222	290						
					227	273						
					232	264						
					237	209						
					242	212						
					247	213						
					252	233						
					257	295						
					262	344						
					267	199						
					272	200						
					277	197						
					282	196						
					287	199						
					292	200						
					297	235						
					302	237						
					302	295						

RECEIVED

MAY 22 2017