

NOTICE

This scan only represents the application as filed. The information contained herein meets the requirements of K.A.R. 5-3-1 or K.A.R. 5-5-1, and has been found acceptable for filing in the office of the Chief Engineer. The application should not be considered to be a complete application as per K.A.R. 5-3-1b or K.A.R. 5-5-2a.

Submit To: CHIEF ENGINEER
Division of Water Resources
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, KS 66502
www.ksda.gov/dwr

**APPLICATION FOR APPROVAL TO
CHANGE THE PLACE OF USE, THE
POINT OF DIVERSION OR THE USE
MADE OF THE WATER UNDER AN
EXISTING WATER RIGHT**



State of Kansas

Filing Fee Must Accompany the Application
(Please refer to Fee Schedule on signature page of application form.)

Paragraph Nos. 1, 2, 3, 4 & 8 must be completed. Complete all other applicable portions. A topographic map or detailed plat showing the authorized and proposed points(s) of diversion and /or place of use must accompany this application.

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1. Application is hereby made for approval of the Chief Engineer to change the

Place of Use

(Check one or more)

Point of Diversion

Use Made of Water

File No. 10,493

2. Name of applicant: Jerome Goetz

Address: c/o Don Goetz PO Box 24, Park, KS. 67751

City, State and Zip: Park, KS. 67751

Phone Number: (785) 673-9092 E-mail address: _____

What is your relationship to the water right; owner tenant agent other? If other, please explain. _____

Name of water use correspondent: Don Goetz

Address: PO Box 24

City, State and Zip: Park, KS. 67751

Phone Number: (785)673-9092 E-mail address: _____

3. The change(s) proposed herein are desired for the following reasons (please be specific): change is needed to recover the rate of diversion lost with the degradation of the previous point of diversion

The change(s) was completed by August of 2016 (Date)

For Office Use Only:	
F.O. <u>3</u> GMD <u>0</u> Meets K.A.R. 5-5-1 (YES/NO) Use <u>IRR</u> Source <u>G/S</u> County <u>SD</u> By <u>ASW</u> Date <u>12/9/16</u>	Code <u>CLT</u> Fee \$ <u>100</u> TR # _____ Receipt Date <u>12/9/16</u> Check # <u>70946</u>

4. The presently authorized place of use is:

Owner of Land — NAME: No Change in Place of Use is proposed

ADDRESS: _____

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			

List any other water rights that cover this place of use. _____

Owner of Land — NAME: _____

ADDRESS: _____

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				

List any other water rights that cover this place of use. _____

(If there are more than two landowners, attach additional sheets as necessary.)

5. It is proposed that the place of use be changed to:

Owner of Land — NAME: _____

ADDRESS: _____

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					

List any other water rights that cover this place of use. _____

Owner of Land — NAME: _____

ADDRESS: _____

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						

List any other water rights that cover this place of use. _____

IF MORE SPACE IS NEEDED, ATTACH ADDITIONAL SHEETS AS NECESSARY

6. The presently authorized point(s) of diversion are two wells (Provide description and number of points)

7. The proposed point(s) of diversion are one well and a battery of two wells (Provide description and number of points)

List all presently authorized point(s) of diversion:

8. **Presently authorized point of diversion:**
 One in the NE Quarter of the NW Quarter of the SW Quarter of Section 20, Township 10 South, Range 27W W, in Sheridan County, Kansas, 2431 feet North 4381 feet West of Southeast corner of section.
 Authorized Rate 220 GPM Authorized Quantity 78 AF
 (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 _____ W, in _____ County, Kansas, _____ feet North _____ feet West of Southeast corner of section.
 Proposed Rate _____ Proposed Quantity _____
 This point is: Additional Well Geo Center List other water rights that will use this point _____

9. **Presently authorized point of diversion:**
 One in the SW Quarter of the NW Quarter of the SW Quarter of Section 20, Township 10 South, Range 27W W, in Sheridan County, Kansas, 1369 feet North 4665 feet West of Southeast corner of section.
 Authorized Rate 330 GPM Authorized Quantity 119 AF
 (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) A battery with a Geo Center at this location
 One in the SW Quarter of the NW Quarter of the SW Quarter of Section 20, Township 10 South, Range 27W W, in Sheridan County, Kansas, 1515 feet North 4661 feet West of Southeast corner of section.
 Proposed Rate 330 GPM Proposed Quantity 119 AF
 This point is: Additional Well Geo Center List other water rights that will use this point _____

10. **Presently authorized point of diversion:**
 One in the _____ Quarter of the _____ Quarter of the _____ Quarter of Section _____, Township _____ South, Range _____, in _____ County, Kansas, _____ feet North _____ feet West of Southeast corner of section.
 Authorized Rate _____ Authorized Quantity _____
 (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 _____ W, in _____ County, Kansas, _____ feet North _____ feet West of Southeast corner of section.
 Proposed Rate _____ Proposed Quantity _____
 This point is: Additional Well Geo Center List other water rights that will use this point _____

11. Describe the current condition of and future plans for any point(s) of diversion which will no longer be used. Both wells will be used

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12. The presently authorized use of water is for irrigation purposes.
It is proposed that the use be changed to no change purposes.

13. If changing the place of use and/or use made of water, describe how the consumptive use will not be increased.
NA

(Please show any calculations here.)

14. It is requested that the maximum annual quantity of water be reduced to NA (acre-feet or million gallons).

15. It is requested that the maximum rate of diversion of water be reduced to NA gallons per minute (NA c.f.s.).

16. The application must include either a topographic map or detailed plat. A U.S. Geological Survey Topographic Map, scale 1:24,000, is available through the Kansas Geological Survey, 1930 Constant Avenue, University of Kansas, Lawrence, Kansas 66047-3726 (www.usgs.gov). The map should show the location of the presently authorized point(s) of diversion. Distances North and West of the Southeast corner of the section must be shown. The presently authorized place of use should also be shown. Identify the center of the section, the section lines and the section corners and show the appropriate section, township, and range numbers on the map. In addition the following information must also be shown on the map.

- a. If a change in the location of the point(s) of diversion is proposed, show:
 - 1) The location of the proposed point(s) of diversion. Distances North and West of the Southeast corner of the section must be shown. Please be certain that the information shown on the map agrees with the information shown in Paragraph Nos. 9, 10 and 11 of the application.
 - 2) If the source of supply is groundwater, please show the location of existing water wells of any kind, including domestic wells, within 1/2 mile of the proposed well or wells. Identify each well as to its use and furnish name and mailing address of the property owner or owners. If there are no wells within 1/2 mile, please indicate so on the map.
 - 3) If the source of supply is surface water, the names and mailing addresses of all landowner(s) 1/2 mile downstream and 1/2 mile upstream from your property lines must be shown.
- b. If a change in the place of use is desired, show the proposed place of use by crosshatching on the map. Please be certain that the information shown on the map agrees with the information shown in Paragraph No. 5 of the application.

17. Attach documentation to show the change(s) proposed herein will not impair existing water rights and relates to the same local source of supply as to which the water right relates. This information may include statements, plats, geology reports, well logs, test hole logs, and other information as necessary information to show the above. Additional comments may be made below.

See attached report

18. If the proposed change(s) does not meet all applicable rules and regulations of the Kansas Water Appropriation Act, please identify the rules and regulations for which you request a waiver. State the reason why a waiver is needed and why the request should be granted. Attach documentation showing that granting the request will not impair existing water rights and will not prejudicially and unreasonably affect the public interest.

No waiver is requested

IF MORE SPACE IS NEEDED, ATTACH ADDITIONAL SHEETS AS NECESSARY
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Any use of water that is not as authorized by the water right or permit to authorize water **before** the chief engineer approves this application is a violation of the Kansas Water Appropriation Act for which criminal or civil penalties may be assessed. Such violation is a class C misdemeanor, punishable by a fine not to exceed \$500 and/or a term of confinement not to exceed one month in the county jail. K.S.A. 82a-728(b). Civil penalties shall be not less than \$100 nor more than \$1,000 per violation. In the case of a continuing violation, each day such violation continues may be deemed a separate violation. In addition to these penalties the water right may be modified or suspended. K.S.A. 82a-737, as amended.

The application must be signed by all owners of the place of use authorized under the water right and his or her spouse, if married. Please indicate if there is no spouse. If land is being purchased under contract, the seller must sign as landowner until such time as the contract is completed.

In the event that all applicants cannot appear before one notary public, they may as necessary sign separate copies of the application before any notary public conveniently available to them. All copies signed in this manner shall be considered to be valid parts of the application.

If the request is signed on behalf of any Owner by someone with legal authority to do so (for example, an agent, one who has power of attorney, or an executor, executrix, conservator), it will be necessary to attach proper documents showing such authority.

I declare that I am an owner of the currently authorized place of use as identified herein, or that I represent all such owners and am authorized to make this application on their behalf, and declare further that the statements contained herein are true, correct, and complete. By filing this application, I authorize the chief engineer to permanently reduce the quantity of water and/or rate of diversion as specified in sections 14 and 15 of this application.

Dated at Topeka, KS, Kansas, this 6th day of December, 2016.

Jerome Goetz
(Owner)
Jerome Goetz
(Please Print)

Alvin Goetz
(Spouse)
Alice Goetz
(Please Print)

(Owner)
(Please Print)
(Owner)
(Please Print)

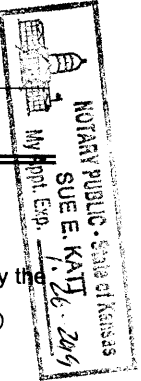
(Spouse)
(Please Print)
(Spouse)
(Please Print)

State of Kansas }
County of Sheridan } SS

I hereby certify that the foregoing application was signed in my presence and sworn to before me this 6th day of December, 2016.

SUE KATZ
Notary Public

My Commission Expires 1-26-2019



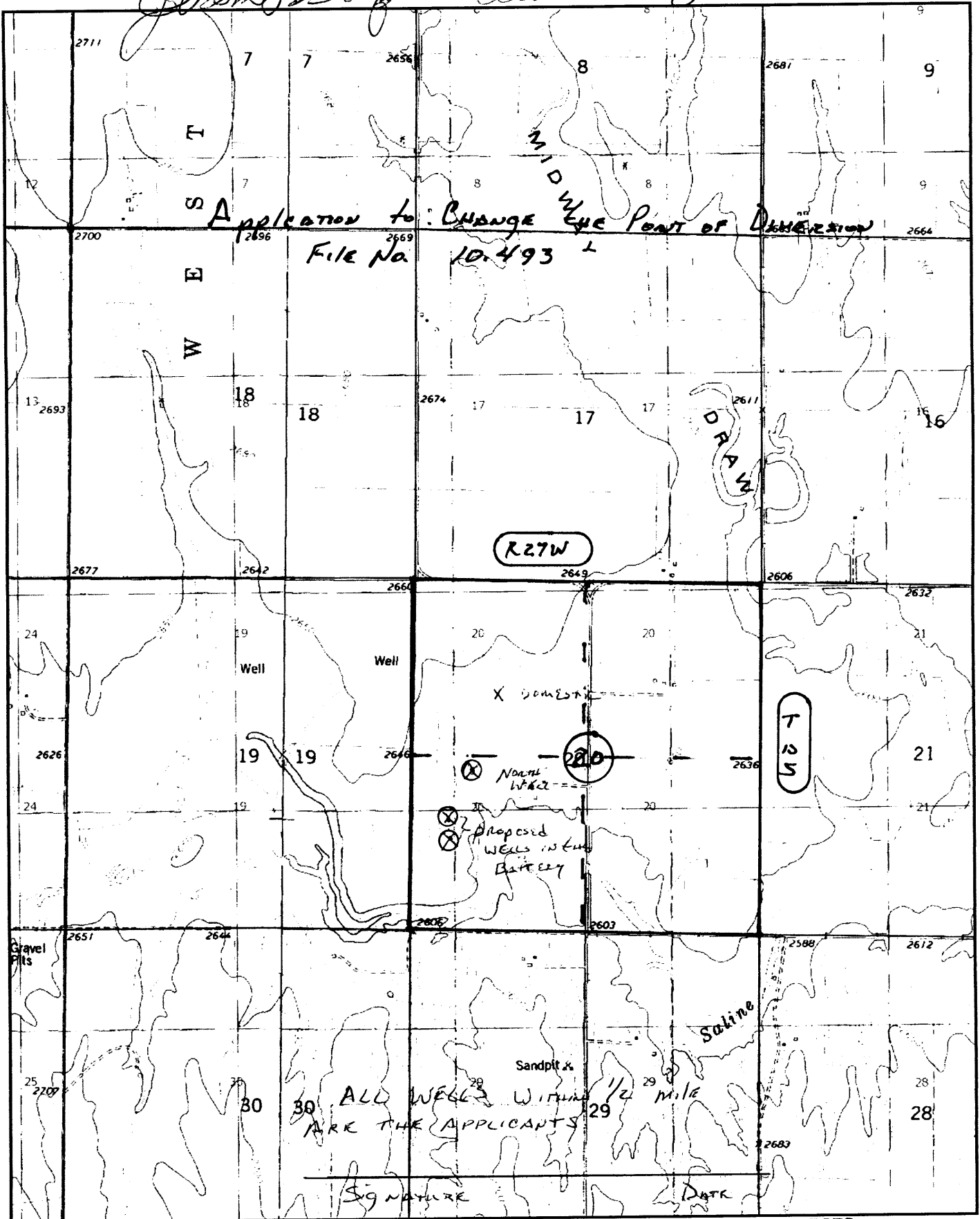
FEE SCHEDULE

Each application to change the place of use, the point of diversion or the use made of the water under this section shall be accompanied by the application fee set forth in the schedule below:

- (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
- (4) Application to change the use made of the water \$300

Make check payable to **Kansas Department of Agriculture.**

Jerome Galt *Allen Galt*



Application to: Change the Point of Discharge
File No. 10493

R27W

T15S

ALL WELLS WITHIN 1/2 MILE
ARE THE APPLICANTS

SIGNATURE

DATE

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WATER RIGHTS INVESTIGATIVE SERVICE
209 SOUTH ASH ST. STOCKTON, KANSAS 67669-1921 (785) 543-8254

REPORT FOR WATER RIGHT FILE NO. 10,493

By

Scott E. Ross L.G.

On November 16, 2016, I spoke to Don Goetz, operator of this right, regarding his desire to gain approval from the Division of Water Resources to change one point of diversion currently authorized under this right to a battery of two wells and a single well. He advised that he had been in contact with the Stockton Field Office and been directed to hire someone qualified to examine the geology of the area and determine the source of supply for these wells. He was further advised that if the source was determined to be Saline River Alluvium, the area was open and conversion to a battery of wells was possible. Don Goetz and I agreed to investigate the area and determine the source of supply and its relationship to adjacent Ogallala Aquifer.

On November 21, 2016, I met Don Goetz at his office near the location of the well in question. At this time, we studied the well locations, obtaining the GPS coordinates of the wells under File No. 10,493 as well as the domestic well used by his father and the owner of File No. 10,493, Jerome Goetz. Don Goetz also reviewed the history of this file from his perspective, giving me the dates and locations of several re-drills and the results of that drilling. He further explained that with this latest re-drill, the replacement well simply did not produce enough water to produce the authorized rate of diversion. The goal of this project is to recover the rate of diversion.

The well locations are all within Section 20, Township 10 South, Range 27 W using datum NAD 83. There locations are as follows:

Water Right File No. 10,493 (**North Well**) Approximate elevation 2645 feet above msl.

39.16869 N X -100.365533 W or 2408 feet North X 4424 feet West of the Southeast Corner of said section;

Water Right File No. 10,493 (**North Well of the proposed battery**) Approximate elevation 2625 above msl.

39.16661 N X -100.36641W or 1650 feet North X 4665 feet West of the Southeast Corner of said section;

Water Right File No. 10,493 (**South well of the proposed battery**) Approximate elevation 2623 feet above msl.

39,16587 N X -100.36638 or 1380 feet North X 4657 feet West of the Southeast Corner of said section;

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Jerome Goetz domestic well

39.16946 N X -100.36571 W or 2868 feet North X 4465 feet West.

After our field review of this file, I located well logs posted on the Kansas Geological Survey website for wells in the area adjacent to those wells under File No. 10,493. I then plotted the locations of these well and their relative static water levels (SWL), the total depth of the well and the location of various geologic markers. I have included with this report a segment of the geologic plate attached to the Kansas Geological Survey Bulletin No. 116, The Geology and Groundwater Resources of Sheridan County, Kansas along with the pertinent portion of the legend from that plate. However, this technical data does not completely explain the jargon used by most local well drillers when completing these well logs. Based on a number of years and a general familiarity with these drillers and their work, I offer my interpretation of their use of these terms. Further, their use of these terms can more easily illustrate the changing sources as the attached cross section moves from the northern most well in Section 17, to the south well located in Section 30, again all wells are in Township 10 South, Range 27 West, Sheridan County, KS.

Well A from the cross-section lists "Ochre" as its base material. Ochre is a term used to describe the yellow limestone found in the upper most portion of the Smoky Hill Chalk Member of the Niobrara Formation. This soft limestone serves as the base under the High Plains Ogallala Aquifer as well as most of the Alluvial Aquifers in this area. While the log itself does not give any significant detail as to the aquifer and does not include any mention of any units distinctly Ogallala Aquifer, it does provide a relative location of the base.

Well B from the cross-section lists "Caliche" as the unit immediately above the base "ochre" in this well. Caliche is a term used locally and especially by Woofter Drilling to describe those portions of the Ogallala Aquifer which are most heavily cemented with a dense calcite cement. This term is locally unique in its description of those beds of the Ogallala Aquifer which form a semi-confining unit. In this location, just above the base of this well, it indicates the material above it is Ogallala Aquifer. The base of this well is again described as "ochre". It is also useful to note when comparing its relative location and elevation to other wells, the caliche of this well is above the base of the wells further south in the cross-section.

Well C lists as its base, "shale and oker". Again, we find the use of this term "oker" to describe the base of the well as the Smoky Hill Chalk Member of the Niobrara Formation. It is important to consider the unit descriptions used by the driller, absent are terms that might indicate Ogallala Aquifer such as, caliche, sandstone, and cemented sandstone. The Ogallala Aquifer typically has units of relatively higher calcite cement and are frequently described as using these terms. The base "oker" in this well is also well below the base of the wells to the north and the static water level is only slightly above the base of Well B which may relate to the time it was taken.

Well D is the northern well currently authorized under File No. 10,493. This well location and its elevation are important to establish is horizontal and vertical location relative to both the wells to the north and those to the south. This well log makes no mention of the Ogallala Aquifer terms such as caliche or sandstone and it uses the terms black shale and ochre to describe the base. This mixing of the base material is frequently used to describe the base of alluvial wells where the contact of the erosional surfaces of the Niobrara Formation and the

deposition of the alluvial material interface. This is the point where local drillers find that the formation below this interface represents a mixing of the alluvial clay and the Niobrara limestone, units below this interface will not produce any water.

Well E represents the most recent log from the drilling to replace the southern most well under File No. 10,493 This log has a surface elevation of approximately 22 feet below the northern well under this right. However, the static water levels indicate they are both producing water from a source with very similar static water levels. Again and variability in the static water levels may reflect more about the time of the measurement. Further, this well log also fails to describe any characteristics normally used to describe Ogallala Aquifer units. Finally, it is useful to note that Well E when compared to the stream bed elevation of the nearby Saline River (Location F) clearly indicates a surface connection.

Well G, the farthest south well in the cross-section in Section 30, Township 10 South, Range 27 West in Sheridan County, KS. This well log was chosen to illustrate the changes in geology and source of supply that occur when moving from the Saline River Alluvium to the adjacent Ogallala Aquifer. While this log did not list a static water level, it does provide some insight into the use of the terms utilized above to describe the Ogallala Aquifer. This well log records the units of the Ogallala Aquifer in much more detail than we find in the other logs. This is a record of the units encountered in drilling and serve to illustrate what can be expected to be seen in a normal drilling into the High Plains Ogallala Aquifer. Complete with the use of the terms caliche, sandstone, cemented sand, and again the "yellow ochre" base of the aquifer. It is not clear from the log of this hole whether it was able to produce any water. The log indicates that it was only completed to 70 feet which typically means only units above 70 feet produced any water if it was used. It is important to note that the base of this well is at or near the elevation of the stream bed of the Saline River near the wells in this report.

Conclusions

The drilling samples from drilling any of these wells have long been incorporated in the adjacent soil profile or discarded, so an actual comparison is not possible. However, the elevations and unit descriptions from the well logs of these various wells illustrates the fact that the wells currently authorized under Water Right File No. 10,493 have as their source of supply the Quaternary Alluvium and/or a small portion of the connected Quaternary Terrace. The basal material found on both the north and south sides of the Saline River valley walls confirm that these Quaternary sources have little if any connection to the adjacent and higher Ogallala Aquifer. As wells diverting water from the Saline River Alluvium, they are not subject to the restrictions of a closed area. Thus, the proposed change in point of diversion is an option available to the applicants.

Attachments:

Portion KGS Geology Plate

Associated Legend

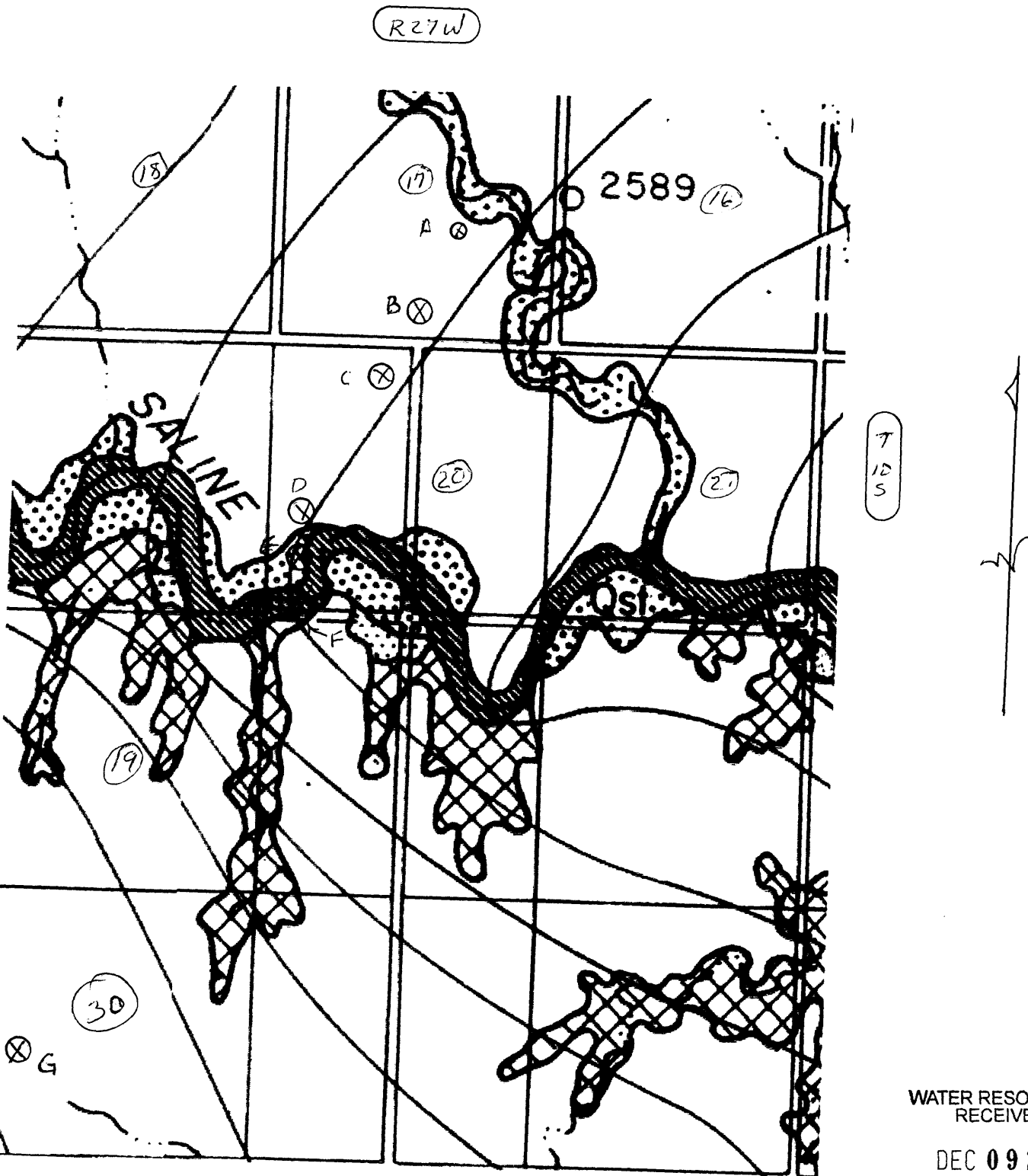
Area Cross- Section

Map of Cross-Section

Log of wells in the Cross-Section


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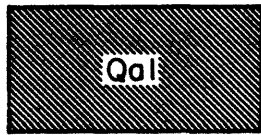
FROM KGS BULLETIN No. 116
GEOLOGY AND GROUND WATER RESOURCES
OF
SHERIDAN COUNTY, KS.



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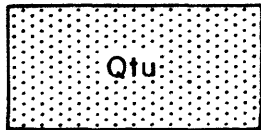
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Alluvium

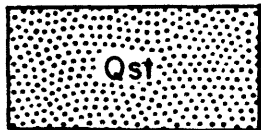
Unconsolidated sand, gravel, and silt along the major stream valleys. Yields moderate supplies of water to wells.



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Undifferentiated valley deposits

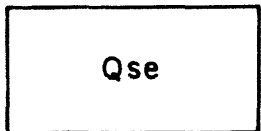
Silt, clay, sand, and gravel. Includes alluvium, terrace and slope wash materials along the major streams and tributaries where the deposits are not mappable as separate units. Yields moderate to small amounts of water to wells.



Sanborn formation

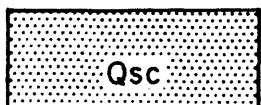
Wisconsinan terrace deposits

Sand, gravel, silt, and clay. Forms low terrace along major stream valleys. Yields moderate to large supplies of water to wells.



**Sanborn formation
Eolian deposits**

Tan to reddish-brown silt. Lies above water table and yields no water to wells. Includes Bignall, Peorian and Loveland members.



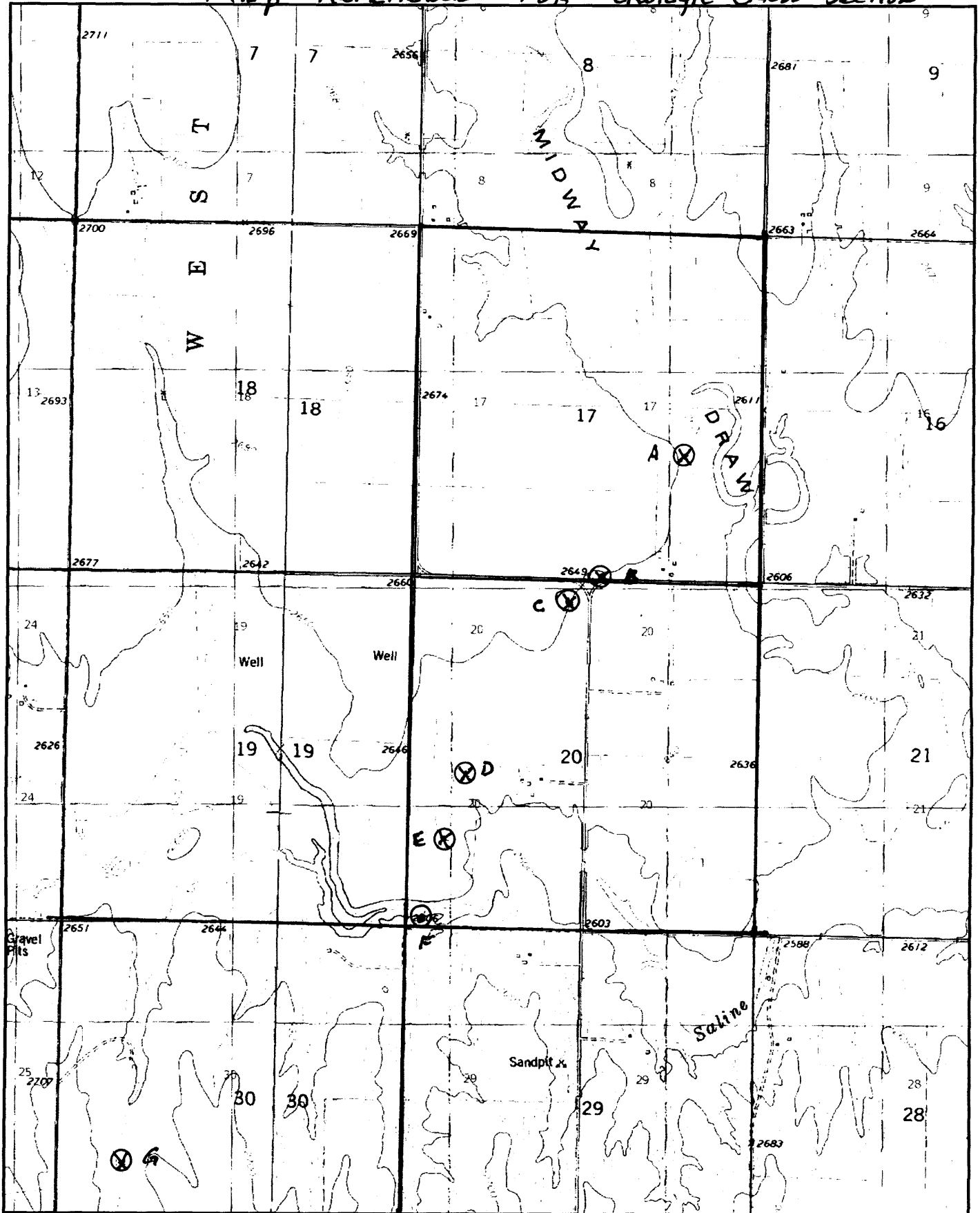
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MAP REFERENCE FOR Geologic Cross-Section



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1:24000 scale

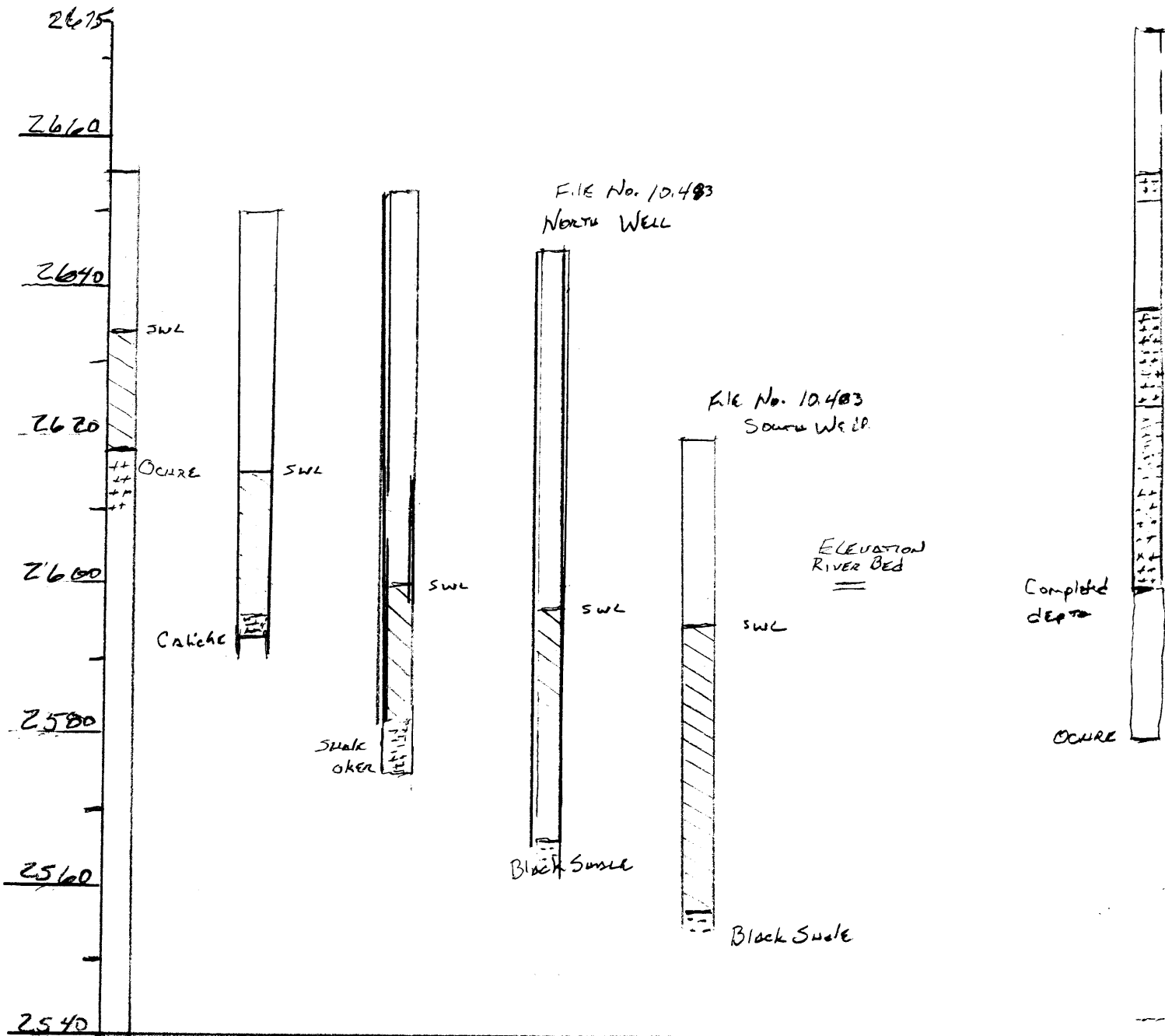
Universal Transverse Mercator (UTM) Projection Zone 14 North American Datum of 1983

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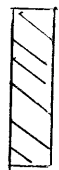
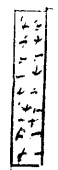




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DOUG GORTZ CROSS SECTION SECTIONS 11, 20, 30 T10S, R21W



A B C D E F G

 AQUIFER MATERIAL
 CALICHE
 BLACK SHALE
 OCURE

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Well B

WATER WELL RECORD Form WWC-5 KSA 82a-1212

1 LOCATION OF WATER WELL: County: <u>Sheridan</u>	Fraction <u>SE 1/4 SE 1/4 SE 1/4</u>	Section Number <u>17</u>	Township Number <u>T 10 S</u>	Range Number <u>R 27 E/W</u>
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Distance and direction from nearest town or city street address of well if located within city?

5 Miles North of Park, Kansas

2 WATER WELL OWNER: Albert Goetz
 RR#, St. Address, Box #: Park, Kansas 67751
 City, State, ZIP Code: _____
 Board of Agriculture, Division of Water Resources
 Application Number: _____

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:

4 DEPTH OF COMPLETED WELL: 47 ft. ELEVATION: _____
 Depth(s) Groundwater Encountered 1. _____ ft. 2. _____ ft. 3. _____ ft.
 WELL'S STATIC WATER LEVEL: 33.5 ft. below land surface measured on mo/day/yr
 Pump test data: Well water was _____ ft. after _____ hours pumping _____ gpm
 Est. Yield _____ gpm: Well water was _____ ft. after _____ hours pumping _____ gpm
 Bore Hole Diameter: 8 in. to 47 ft., and _____ in. to _____ ft.
 WELL WATER TO BE USED AS:
 1 Domestic _____ 3 Feedlot _____ 5 Public water supply _____ 8 Air conditioning _____ 11 Injection well _____
 2 Irrigation _____ 4 Industrial _____ 6 Oil field water supply _____ 9 Dewatering _____ 12 Other (Specify below) _____
 7 Lawn and garden only _____ 10 Monitoring well _____
 Was a chemical/bacteriological sample submitted to Department? Yes _____ No _____; If yes, mo/day/yr sample was submitted _____
 Water Well Disinfected? Yes _____ No _____

5 TYPE OF BLANK CASING USED:
 1 Steel _____ 3 RMP (SR) _____ 5 Wrought iron _____ 8 Concrete tile _____ CASING JOINTS: Glued Clamped _____
 2 PVC _____ 4 ABS _____ 6 Asbestos-Cement _____ 9 Other (specify below) _____ Welded _____
 7 Fiberglass _____ Threaded _____
 Blank casing diameter: 4.5 in. to 27 ft., Dia _____ in. to _____ ft., Dia _____ in. to _____ ft.
 Casing height above land surface: 18 in., weight 2.38 lbs./ft. Wall thickness or gauge No. 248
 TYPE OF SCREEN OR PERFORATION MATERIAL:
 1 Steel _____ 3 Stainless steel _____ 5 Fiberglass _____ 7 PVC _____ 10 Asbestos-cement _____
 2 Brass _____ 4 Galvanized steel _____ 6 Concrete tile _____ 8 RMP (SR) _____ 11 Other (specify) _____
 9 ABS _____ 12 None used (open hole) _____
 SCREEN OR PERFORATION OPENINGS ARE:
 1 Continuous slot _____ 3 Mill slot _____ 5 Gauzed wrapped _____ 8 Saw cut _____ 11 None (open hole) _____
 2 Louvered shutter _____ 4 Key punched _____ 6 Wire wrapped _____ 9 Drilled holes _____
 7 Torch cut _____ 10 Other (specify) _____
 SCREEN-PERFORATED INTERVALS: From 27 ft. to 47 ft., From _____ ft. to _____ ft.
 From _____ ft. to _____ ft., From _____ ft. to _____ ft.
 GRAVEL PACK INTERVALS: From 20 ft. to 47 ft., From _____ ft. to _____ ft.
 From _____ ft. to _____ ft., From _____ ft. to _____ ft.

6 GROUT MATERIAL: 0 Neat cement _____ 20 Cement grout _____ 3 Bentonite _____ 4 Other _____
 Grout Intervals: From _____ ft. to _____ ft., From _____ ft. to _____ ft.
 What is the nearest source of possible contamination:
 1 Septic tank _____ 4 Lateral lines _____ 7 Pit privy _____ 10 Livestock pens _____ 14 Abandoned water well _____
 2 Sewer lines _____ 5 Cess pool _____ 8 Sewage lagoon _____ 11 Fuel storage _____ 15 Oil well/Gas well _____
 3 Watertight sewer lines _____ 6 Seepage pit _____ 9 Feedyard _____ 12 Fertilizer storage _____ 16 Other (specify below) _____
 13 Insecticide storage _____
 Direction from well? East How many feet? 100'

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	3	Surface			
3	7	Silty Clay			
7	14	Clay			
14	17	Med. Sand			
17	40	Med. Sand & Clay Strks.			
40	41	Hard Caliche Strks.			
41	47	Ochre			

WATER RESOURCES RECEIVED
 DEC 09 2016
 KS DEPT OF AGRICULTURE

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) 7-30-92 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 554. This Water Well Record was completed on (mo/day/yr) 8-7-92 under the business name of WOOFER PUMP & WELL, INC. by (signature) [Signature]

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

OFFICE USE ONLY
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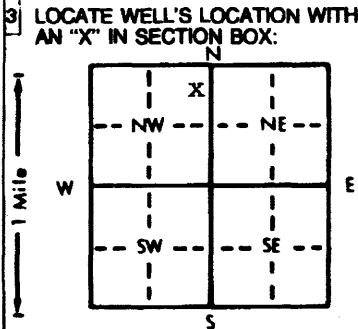
Well C

WATER WELL RECORD Form WWC-5 KSA 82a-1212

1 LOCATION OF WATER WELL: Fraction NE Section Number 20 Township Number T 10 S Range Number R 27 EW

Distance and direction from nearest town or city street address of well if located within city? 3 north of Park

2 WATER WELL OWNER: Dale Geotz RR#, St. Address, Box #: Grainfield, Ks 67737 Board of Agriculture, Division of Water Resources Application Number:



3 LOCATE WELL'S LOCATION WITH AN 'X' IN SECTION BOX: 4 DEPTH OF COMPLETED WELL 65 ft. ELEVATION: WELL'S STATIC WATER LEVEL 43 ft. below land surface measured on mo/day/yr 9-1-88

5 TYPE OF BLANK CASING USED: 1 Steel, 2 PVC, 3 RMP (SR), 4 ABS, 5 Wrought iron, 6 Asbestos-Cement, 7 Fiberglass, 8 Concrete tile, 9 Other (specify below), 10 Asbestos-cement, 11 Other (specify), 12 None used (open hole)

6 GROUT MATERIAL: 1 Neat cement, 2 Cement grout, 3 Bentonite, 4 Other. Grout intervals: From 4 ft. to 18 ft. What is the nearest source of possible contamination: 1 Septic tank, 2 Sewer lines, 3 Watertight sewer lines, 4 Lateral lines, 5 Cess pool, 6 Seepage pit, 7 Pit privy, 8 Sewage lagoon, 9 Feedyard, 10 Livestock pens, 11 Fuel storage, 12 Fertilizer storage, 13 Insecticide storage, 14 Abandoned water well, 15 Oil well/Gas well, 16 Other (specify below) pasture.

Table with columns: FROM, TO, LITHOLOGIC LOG. Rows: 0-31 top soil, 31-44 sand and clay strips, 44-52 sand, 52-54 sand, 54-63 sand good, 63-65 oker and shale.

WATER RESOURCES RECEIVED DEC 09 2016 KS DEPT OF AGRICULTURE

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) 9-1-89, 88 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 39 This Water Well Record was completed on (mo/day/yr) 7-7-89 by (signature) Jaye Bartell

INSTRUCTIONS: Use typewriter or ball point pen. PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment Bureau of Water Protection Topeka, Kansas 66620-7320. Telephone: 913-862-9360. Send one to WATER WELL OWNER and retain one for your

OFFICE USE ONLY T R EW SEC

Well D



WATER WELL RECORD Form WWC-5 1306132

Division of Water Resources App. No.

10493

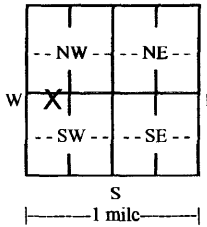
Well ID

Original Record Correction Change in Well Use

1 LOCATION OF WATER WELL: County: Sheridan Fraction NW 1/4 NE 1/4 NW 1/4 SW 1/4 Section Number 20 Township Number T 10 S Range Number R 27 E W

2 WELL OWNER: Last Name: Goetz First: Jerome Street or Rural Address where well is located (if unknown, distance and direction from nearest town or intersection): If at owner's address, check here: intersection of 130 S & 40 E

3 LOCATE WELL WITH "X" IN SECTION BOX: N



4 DEPTH OF COMPLETED WELL: 73 ft. Depth(s) Groundwater Encountered: 1) 48 ft. 2) 48 ft. 3) 48 ft. 4) Dry Well WELL'S STATIC WATER LEVEL: 48 ft. below land surface, measured on (mo-day-yr) 05/07/2016

5 Latitude: 39.1687 (decimal degrees) Longitude: 100.3654 (decimal degrees) Datum: WGS 84 NAD 83 NAD 27 Source for Latitude/Longitude: GPS (unit make/model): (WAAS enabled? Yes No) Land Survey Topographic Map Online Mapper:

6 Elevation: 2631 ft. Ground Level TOC Source: Land Survey GPS Topographic Map Other KOLAR

7 WELL WATER TO BE USED AS: 1. Domestic: Household Lawn & Garden Livestock Irrigation Feedlot Industrial 2. Public Water Supply: well ID Dewatering: how many wells? Aquifer Recharge: well ID Monitoring: well ID Environmental Remediation: well ID Air Sparge Soil Vapor Extraction Recovery Injection Oil Field Water Supply: lease Test Hole: well ID Cased Uncased Geotechnical Geothermal: how many bores? Closed Loop Horizontal Vertical Open Loop Surface Discharge Inj. of Water Other (specify):

Was a chemical/bacteriological sample submitted to KDHE? Yes No If yes, date sample was submitted: Water well disinfected? Yes No

8 TYPE OF CASING USED: Steel PVC Other CASING JOINTS: Glued Clamped Welded Threaded Casing diameter 16 in. to 33 ft., Diameter in. to ft., Diameter in. to ft. Casing height above land surface 18 in. Weight 16.150 lbs./ft. Wall thickness or gauge No. 500

TYPE OF SCREEN OR PERFORATION MATERIAL: Steel Stainless Steel Fiberglass PVC Other (Specify) Brass Galvanized Steel Concrete tile Nonc used (open hole)

SCREEN OR PERFORATION OPENINGS ARE: Continuous Slot Mill Slot Gauze Wrapped Torch Cut Drilled Holes Other (Specify) Louvered Shutter Key Punched Wire Wrapped Saw Cut None (Open Hole)

SCREEN-PERFORATED INTERVALS: From 33 ft. to 73 ft., From ft. to ft., From ft. to ft. GRAVEL PACK INTERVALS: From 20 ft. to 73 ft., From ft. to ft., From ft. to ft.

9 GROUT MATERIAL: Neat cement Cement grout Bentonite Other Grout Intervals: From 0 ft. to 20 ft., From ft. to ft., From ft. to ft.

Nearest source of possible contamination: Septic Tank Lateral Lines Pit Privy Livestock Pens Insecticide Storage Sewer Lines Cess Pool Sewage Lagoon Fuel Storage Abandoned Water Well Watertight Sewer Lines Seepage Pit Feedyard Fertilizer Storage Oil Well/Gas Well Other (Specify) Direction from well? Distance from well? ft.

Table with columns: FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Rows: 0-2 surface, 2-23 loess, 23-66 fine & med sand & gravel, 66-80 ellow ochre/black shale. Includes 'Notes:' and 'KS DEPT OF AGRICULTURE' stamp.

11 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was constructed, reconstructed, or plugged under my jurisdiction and was completed on (mo-day-year) 05/05/2016 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 881. This Water Well Record was completed on (mo-day-year) 05/09/2016 under the business name of Woofler Pump and Well, Inc.

WELL E



WATER WELL RECORD Form WWC-5 1305733

Division of Water Resources App. No.

10493

Well ID

Original Record Correction Change in Well Use

1 LOCATION OF WATER WELL: County: Sheridan Fraction SE 1/4 SW 1/4 NW 1/4 SW 1/4 Section Number 20 Township Number T 10 S Range Number R 27 E W

2 WELL OWNER: Last Name: Goetz First: Jerome Street or Rural Address where well is located (if unknown, distance and direction from nearest town or intersection): If at owner's address, check here: intersection of 130 S & 40 E-1/2 south

3 LOCATE WELL WITH 'X' IN SECTION BOX: N W E S 1 mil

4 DEPTH OF COMPLETED WELL: 63 ft. Depth(s) Groundwater Encountered: 1) 25 ft. 2) 25 ft. 3) 25 ft. or 4) Dry Well WELL'S STATIC WATER LEVEL: 25 ft. below land surface, measured on (mo-day-yr) 05/02/2016

5 Latitude: 39.1658 (decimal degrees) Longitude: 100.3664 (decimal degrees) Datum: WGS 84 NAD 83 NAD 27 Source for Latitude/Longitude: GPS (unit make/model): (WAAS enabled? Yes No) Land Survey Topographic Map Online Mapper: Elevation: 2607 ft. Ground Level TOC Source: Land Survey GPS Topographic Map Other KOLAR

7 WELL WATER TO BE USED AS: 1. Domestic: Household Lawn & Garden Livestock 2. Irrigation 3. Feedlot 4. Industrial 5. Public Water Supply: well ID 6. Dewatering: how many wells? 7. Aquifer Recharge: well ID 8. Monitoring: well ID 9. Environmental Remediation: well ID Air Sparge Soil Vapor Extraction Recovery Injection 10. Oil Field Water Supply: lease 11. Test Hole: well ID Cased Uncased Geotechnical 12. Geothermal: how many bores? a) Closed Loop Horizontal Vertical b) Open Loop Surface Discharge Inj. of Water 13. Other (specify):

Was a chemical/bacteriological sample submitted to KDHE? Yes No If yes, date sample was submitted: Water well disinfected? Yes No

8 TYPE OF CASING USED: Steel PVC Other CASING JOINTS: Glued Clamped Welded Threaded Casing diameter 16 in. to 23 ft., Diameter in. to ft., Diameter in. to ft. Casing height above land surface 18 in. Weight 16.150 lbs./ft. Wall thickness or gauge No. 500 TYPE OF SCREEN OR PERFORATION MATERIAL: Steel Stainless Steel Fiberglass PVC Other (Specify) Brass Galvanized Steel Concrete tile None used (open hole) SCREEN OR PERFORATION OPENINGS ARE: Continuous Slot Mill Slot Gauze Wrapped Torch Cut Drilled Holes Other (Specify) Louvered Shutter Key Punched Wire Wrapped Saw Cut None (Open Hole) SCREEN-PERFORATED INTERVALS: From 23 ft. to 63 ft., From ft. to ft., From ft. to ft. GRAVEL PACK INTERVALS: From 20 ft. to 63 ft., From ft. to ft., From ft. to ft.

9 GROUT MATERIAL: Neat cement Cement grout Bentonite Other Grout Intervals: From 0 ft. to 20 ft., From ft. to ft., From ft. to ft. Nearest source of possible contamination: Septic Tank Lateral Lines Pit Privy Livestock Pens Insecticide Storage Sewer Lines Cess Pool Sewage Lagoon Fuel Storage Abandoned Water Well Watertight Sewer Lines Seepage Pit Feedyard Fertilizer Storage Oil Well/Gas Well Other (Specify) Direction from well? Distance from well? ft.

Table with columns: FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Rows: 0-2 surface, 2-18 loess, 18-45 fine & med sand & gravel, 45-63 black shale. Includes 'Notes' section and date 'DEC 09 2016'.

11 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was constructed, reconstructed, or plugged under my jurisdiction and was completed on (mo-day-year) 04/21/2016 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 881 This Water Well Record was completed on (mo-day-year) 05/04/2016 under the business name of Woofter Pump and Well, Inc.



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

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

Jackie McClaskey, Secretary

Governor Sam Brownback

December 12, 2016

JEROME GOETZ
PO BOX 24
PARK, KS

RE: File No. 10493

FILE COPY

Dear Sir or Madam:

An application for approval of the Chief Engineer to change the following condition or conditions of the file number referred to above has been received:

- place of use PD
- point of diversion
- use made of water

As a matter of record, the Division of Water Resources has on hand a large number of applications awaiting processing. Therefore to be fair to all concerned, and so that we can process those applications on hand in the order they were received, we intend to concentrate on the backlog of applications until the issue is resolved. You will be contacted regarding this application as soon as it has been examined.

In accordance with the provisions of the Kansas Water Appropriation Act, a portion of which is included below, the use of water prior to approval of the application is unlawful. You should not proceed and divert water as indicated by your plans in your application for a change for this file until you receive approval for this change from the Chief Engineer. Once approved, compliance with the terms, conditions and limitations of the permit is necessary. Conservation of the water resources of Kansas is required.

Section 82a-728 of the Kansas Water Appropriation Act, provides (a) except for the appropriation of water for the purpose of domestic use, . . . it shall be unlawful for any person to appropriate or threaten to appropriate water from any source without first applying for and obtaining a permit to appropriate water in accordance with the provisions of the Water Appropriation Act or for any person to violate any condition of a vested right, appropriation right or an approved application for a permit to appropriate water for beneficial use.

(b) (1) The violation of any provision of this section by any person is a class C misdemeanor...

A class C misdemeanor is punishable by a fine not to exceed \$500 and/or a term of confinement not to exceed one month in the county jail. Each day that the violation occurs constitutes a separate offense.

If you have any questions, please contact me at (785) 564-6645. If you wish to discuss a specific file, please have the file number ready so that we may help you more efficiently.

Sincerely,

Brent A Turney, L.G.
Change Applications Unit Supervisor
Water Appropriation Program

BAT: dlw

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



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

Jackie McClaskey, Secretary

Governor Sam Brownback

pc: STOCKTON Field Office GMD 4