

Kansas Department of Agriculture
Division of Water Resources
PERMIT OF NEW APPLICATION WORKSHEET

1. File Number: <p style="text-align: center;">49,983</p>	2. Status Change Date: <p style="text-align: center;">5/1/2018</p>	3. Field Office: <p style="text-align: center;">01</p>	4. GMD: <p style="text-align: center;">0</p>
5. Status: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied by DWR/GMD <input type="checkbox"/> Dismiss by Request/Failure to Return			
6. Enclosures: <input checked="" type="checkbox"/> Check Valve <input checked="" type="checkbox"/> N of C Form <input checked="" type="checkbox"/> Water Tube <input checked="" type="checkbox"/> Driller Copy <input checked="" type="checkbox"/> Meter			
<p>7a. Applicant(s) New to system <input type="checkbox"/></p> <p style="text-align: right;">Person ID 65938 Add Seq# _____</p> <p>MICHAEL & JODI NOHL 1221 IOWA ST SABETHA KS 66534</p>	<p>7c. Landowner(s) New to system <input type="checkbox"/></p> <p style="text-align: right;">Person ID _____ Add Seq# _____</p>		
<p>7b. Landowner(s) New to system <input type="checkbox"/></p> <p style="text-align: right;">Person ID _____ Add Seq# _____</p> <p>7a.</p>	<p>7d. Misc. New to system <input type="checkbox"/></p> <p style="text-align: right;">Person ID _____ Add Seq# _____</p> <p>MIDWEST IRRIGATION % KEITH GRIMM 2991 GOLDFINCH RD HIAWATHA KS 66434 8371</p>		
<p>8. WUR Correspondent New to system <input type="checkbox"/> Overlap File (s) WUC Agree <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p style="text-align: right;">Person ID _____ Add Seq# _____ Notarized WUC Form <input type="checkbox"/></p> <p>7a.</p>	<p>9. Use of Water: Changing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p style="text-align: center;"><input checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Surface Water</p> <p><input checked="" type="checkbox"/> IRR <input type="checkbox"/> REC <input type="checkbox"/> DEW <input type="checkbox"/> MUN</p> <p><input type="checkbox"/> STK <input type="checkbox"/> SED <input type="checkbox"/> DOM <input type="checkbox"/> CON</p> <p><input type="checkbox"/> HYD DRG <input type="checkbox"/> WTR PWR <input type="checkbox"/> ART RECHRG</p> <p><input type="checkbox"/> IND SIC: _____ <input type="checkbox"/> OTHER: _____</p>		
10. Completion Date: <u>12/31/2019</u>		11. Perfection Date: <u>12/31/2023</u>	
12. Exp Date: _____			
13. Conservation Plan Required? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date Required: _____ Date Approved: _____ Date to Comply: _____			
14. Water Level Measuring Device? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date to Comply: _____ Date WLMD Installed: _____			
<p>Date Prepared: 4/12/2018 By: DWS Date Entered: 5/3/2018 By: UM</p>			

File No. 49,983	15. Formation Code: 550	Drainage Basin: S F BIG NEMAHA RIVER	County: BR	Special Use:	Stream:																																																																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="10" style="text-align:left;">16. Points of Diversion</th> <th colspan="5" style="text-align:left;">17. Rate and Quantity</th> </tr> <tr> <td style="font-size:small;">T MOD DEL ENT</td> <td style="font-size:small;">PDIV</td> <td style="font-size:small;">Qualifier</td> <td style="font-size:small;">S</td> <td style="font-size:small;">T</td> <td style="font-size:small;">R</td> <td style="font-size:small;">ID</td> <td style="font-size:small;">'N</td> <td style="font-size:small;">'W</td> <td style="font-size:small;">Rate gpm</td> <td style="font-size:small;">Quantity af</td> <td style="font-size:small;">Rate gpm</td> <td style="font-size:small;">Quantity af</td> <td style="font-size:small;">Overlap PD Files</td> </tr> <tr> <td>MOD 86574</td> <td></td> <td>SE NE NW</td> <td>15</td> <td>2</td> <td>15E</td> <td>1</td> <td>4234</td> <td>2875 (Geo-Ctr)</td> <td>800</td> <td>78</td> <td>800</td> <td>78</td> <td>None</td> </tr> <tr> <td>ENT 86748</td> <td></td> <td>SE NE NW</td> <td>15</td> <td>2</td> <td>15E</td> <td></td> <td>4359</td> <td>2875 Batt 1 of 4</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>ENT 86749</td> <td></td> <td>SE NE NW</td> <td>15</td> <td>2</td> <td>15E</td> <td></td> <td>4484</td> <td>2875 Batt 1 of 4</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>ENT 86750</td> <td></td> <td>SE NE NW</td> <td>15</td> <td>2</td> <td>15E</td> <td></td> <td>4109</td> <td>2875 Batt 1 of 4</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>ENT 86751</td> <td></td> <td>SE NE NW</td> <td>15</td> <td>2</td> <td>15E</td> <td></td> <td>3984</td> <td>2875 Batt 1 of 4</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="14" style="text-align:center;">Battery ID #2678</td> </tr> </table>						16. Points of Diversion										17. Rate and Quantity					T MOD DEL ENT	PDIV	Qualifier	S	T	R	ID	'N	'W	Rate gpm	Quantity af	Rate gpm	Quantity af	Overlap PD Files	MOD 86574		SE NE NW	15	2	15E	1	4234	2875 (Geo-Ctr)	800	78	800	78	None	ENT 86748		SE NE NW	15	2	15E		4359	2875 Batt 1 of 4						ENT 86749		SE NE NW	15	2	15E		4484	2875 Batt 1 of 4						ENT 86750		SE NE NW	15	2	15E		4109	2875 Batt 1 of 4						ENT 86751		SE NE NW	15	2	15E		3984	2875 Batt 1 of 4						Battery ID #2678													
16. Points of Diversion										17. Rate and Quantity																																																																																																												
T MOD DEL ENT	PDIV	Qualifier	S	T	R	ID	'N	'W	Rate gpm	Quantity af	Rate gpm	Quantity af	Overlap PD Files																																																																																																									
MOD 86574		SE NE NW	15	2	15E	1	4234	2875 (Geo-Ctr)	800	78	800	78	None																																																																																																									
ENT 86748		SE NE NW	15	2	15E		4359	2875 Batt 1 of 4																																																																																																														
ENT 86749		SE NE NW	15	2	15E		4484	2875 Batt 1 of 4																																																																																																														
ENT 86750		SE NE NW	15	2	15E		4109	2875 Batt 1 of 4																																																																																																														
ENT 86751		SE NE NW	15	2	15E		3984	2875 Batt 1 of 4																																																																																																														
Battery ID #2678																																																																																																																						
18. Storage: Rate _____ NF Quantity _____ ac/ft Additional Rate _____ NF Additional Quantity _____ ac/ft																																																																																																																						
19. Limitation: _____ af/yr at _____ gpm (_____ cfs) when combined with file number(s) _____ Limitation: _____ af/yr at _____ gpm (_____ cfs) when combined with file number(s) _____																																																																																																																						
20. Meter Required? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No To be installed by 12/31/2019 Date Acceptable Meter Installed _____																																																																																																																						
21. Place of Use		NE¼				NW¼				SW¼				SE¼				Total	Owner	Chg? NO	Overlap Files																																																																																																	
T MOD DEL ENT	PUSE	S	T	R	ID	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼																																																																																																					
✓	68734	15	2	15E	1					39	39								78	7a.	NO	NONE																																																																																																
Comments																																																																																																																						

KANSAS DEPARTMENT OF AGRICULTURE
Division of Water Resources

M E M O R A N D U M

TO: Files

DATE: April 12, 2018

FROM: Doug Schemm

RE: Application, File No. 49,983

Michael Nohl has filed the referenced application to appropriate 78 acre-feet of groundwater from a proposed battery of four wells at a rate of diversion of 800 gallons per minute to irrigate 78 acres in Brown County, within the S F Big Nemaha River basin. The battery of wells will be located in the Northwest Quarter of Section 15, Township 2 South, Range 15 East. The proposed place of use is solely owned by the applicant. There are no overlapping files in point of diversion or place of use. The requested quantity of 78 acre-feet for the irrigation of 78 acres of land is equivalent to 1.0 acre-feet per acre, which is the maximum allowable quantity for irrigation in Brown County per K.A.R. 5-3-19.

The applicant identified one domestic well within one-half mile, and a nearby notification letter was sent out on March 27, 2018 to Brad Snyder. Mr. Snyder called on April 11, 2018 to express his concerns about how this application would affect his domestic wells. Mr. Snyder has one domestic well supplying his house and a second well (windmill) supplying his livestock located south of the house. He does not know total depth of the wells, or depth to water, but he installed a new submersible pump in the livestock well three years ago. We discussed his senior domestic water rights and required well spacing criteria. He was also concerned about possible impacts to a spring near the applicant's proposed wells that feed stream flow into his pasture. Mr. Snyder wanted to make sure his concerns are documented in the file. In addition, a second domestic well owner (Dennis Kleopfer) called with general questions about the application and how his well might be affected. Mr. Kleopfer has a domestic well near the center of the Southwest Quarter of Section 15, which was drilled approximately 8 years ago to a depth of about 140 feet. He noted that his son has a well in the Southeast Quarter of Section 15. Note that both of these domestic wells are greater than ½ mile from the proposed point of diversion. We discussed his senior water right, and required well spacing. The WRIS database shows there is only one other water right within the two-mile circle. The proposed point of diversion, geographic center of the well battery, meets minimum well spacing criteria to all other wells, being over 2,600 feet from the nearest domestic well, and over 4,600 feet from the nearest non-domestic well.

Test hole logs submitted with the pending application show weathered, interbedded shales to a total depth of 106 feet. One very limited limestone layer was encountered between 35 to 41 feet below ground. Groundwater was encountered in the highly weathered shale layers extending from 51 feet to 70 feet below ground surface and from 84 feet to 100 feet below ground surface. The static water level was reported at 34 feet below ground level. Pumping tests indicated yields of 100 gallons per minute, but the well had a significant drawdown at that rate. The source of water for the proposed wells appear to be the Permian System - Council Grove Group (550), based on a review of the submitted test hole log, geologic maps, and Kansas Geological Survey Bulletin 186 (Geology and Groundwater Resources of Brown County, KS). The primary aquifer for this application is the weathered shale unit (Roca Shale), which the KGS Brown County Bulletin reports is capable of yielding up to 150 gallons per minute.

It would appear this aquifer is confined, with the static water level extending above the top of the primary aquifer at 84 feet to 100 feet below ground. Per K.A.R 5-3-14, safe yield for a confined aquifer is processed on a case by case basis using the best available information. Because no specific criteria have been developed for safe yield evaluation of this particular aquifer, it appears that the pending application can be reviewed using the safe yield criteria outlined in K.A.R. 5-3-11 for unconfined aquifers. This is consistent with other applications with a bedrock source of supply. This safe yield analysis provides a maximum potential annual recharge of 5.1 inches, since a deeper confined aquifer would likely only receive a portion of the recharge that a shallow, unconfined aquifer would receive.

If the procedure outlined by K.A.R. 5-3-11 indicates that a significant quantity of water remains available for appropriation, then there would be sufficient water for this application even with a considerable reduction in the amount of recharge reaching the deeper semi-confined aquifer (in this case about 1.1 inches of recharge would provide sufficient water for both prior and proposed appropriations). Therefore, based on the above discussion, it appears that this application can be approved per K.A.R. 5-3-14, using the best information reasonably available to the chief engineer.

The area of consideration, defined by the extent of the bedrock aquifer within a two mile radius, is 8,042 acres. Based on a potential recharge of 5.1 inches, with 100% available for appropriation, safe yield was determined to be 3,418 acre-feet. There is one existing water right that has appropriated 612 acre-feet, leaving 2,806 acre-feet available, so there is sufficient water available for appropriation, and the application meets safe yield.

In accordance with K.S.A. 82a-706c, the Chief Engineer retains full authority to require any water user to install meters, gages, or other measuring devices, which devices he or she or his or her agents may read at any time. Water flowmeter requirements are further described in K.A.R. 5-1-4 through K.A.R. 5-1-12. If any chemical or foreign substance is injected into the water pumped under this permit, a check valve will also need to be installed.

In an April 12, 2018 discussion, Katie Tietsort, Water Commissioner, Topeka Field Office, recommended approval of the referenced application. Based on the above discussion, well spacing and safe yield criteria are met, and approval of the application will not impair senior water rights nor prejudicially or unreasonably affect the public interest, it is recommended that the referenced application be approved.

Douglas W. Schemm
Environmental Scientist
Topeka Field Office

STATE OF KANSAS

DEPARTMENT OF AGRICULTURE
1320 RESEARCH PARK DRIVE
MANHATTAN, KS 66502
PHONE: (785) 564-6700
FAX: (785) 564-6777



900 SW JACKSON, ROOM 456
TOPEKA, KS 66612
PHONE: (785) 296-3556
www.agriculture.ks.gov

GOVERNOR JEFF COLYER, M.D.
JACKIE McCLASKEY, SECRETARY OF AGRICULTURE

May 4, 2018

MICHAEL NOHL
1221 IOWA ST
SABETHA KS 66534

FILE COPY

Re: Appropriation of Water, File No. 49,983

Dear Mr. Nohl:


There is enclosed a permit to appropriate water authorizing you to proceed with construction of the proposed diversion works (except those dams and stream obstructions regulated by K.S.A. 82a-301 through 305a), to divert such unappropriated water as may be available from the source and at the location specified in the permit, and to use it for the purpose and at the location described in the permit.

Your attention is directed to the enclosures and to the terms, conditions, and limitations specified in these approval documents. A water meter is required on the proposed diversion works and you must install it prior to water being put to beneficial use in order for you to maintain accurate records of water use. The meter should be used to provide the information required on the annual water use report.

Failure to notify the Chief Engineer of the Division of Water Resources of the completion of the diversion works within the time allowed, or within any authorized extension of time thereof, will result in the dismissal of this permit. Enclosed is a form which may be used to notify the Chief Engineer that the proposed diversion works have been completed. All requests for extensions of time to complete diversion works, or to perfect appropriations, must be submitted to the Chief Engineer before the expiration of time originally set forth in the permit to complete diversion works or to perfect an appropriation. If for any reason, you require an extension of time, you must request it before the expiration of time set forth in this permit. Failure to comply with this regulation will result in the dismissal of your permit or your water right. Any request for an extension of time shall be accompanied by the required statutory fee, which is currently \$100.00.

There is also enclosed an information sheet setting forth the procedure to obtain a Certificate of Appropriation which will establish the extent of your water right. If you have any questions, please contact our office. If you wish to discuss this specific file, please have the file number ready so that we may help you more efficiently.

Sincerely,


Kristen A. Baum
New Application Unit Supervisor
Water Appropriation Program

KAB:dws
Enclosures

pc: Topeka Field Office
Midwest Irrigation

KANSAS DEPARTMENT OF AGRICULTURE
 Jackie McClaskey, Secretary of Agriculture

DIVISION OF WATER RESOURCES
 David W. Barfield, Chief Engineer

APPROVAL OF APPLICATION
and
PERMIT TO PROCEED
 (This Is Not a Certificate of Appropriation)

This is to certify that I have examined Application, **File No. 49,983** of the applicant

MICHAEL NOHL
1221 IOWA ST
SABETHA KS 66534

for a permit to appropriate water for beneficial use, together with the maps, plans and other submitted data, and that the application is hereby approved and the applicant is hereby authorized, subject to vested rights and prior appropriations, to proceed with the construction of the proposed diversion works (except those dams and stream obstructions regulated by K.S.A. 82a-301 through 305a, as amended), and to proceed with all steps necessary for the application of the water to the approved and proposed beneficial use and otherwise perfect the proposed appropriation subject to the following terms, conditions and limitations:

1. That the priority date assigned to such application is **January 29, 2018**.
2. That the water sought to be appropriated shall be used for irrigation use on land described in the application, as follows:

Sec.	Twp.	Range	NE ¹ / ₄				NW ¹ / ₄				SW ¹ / ₄				SE ¹ / ₄				TOTAL
			NE ¹ / ₄	NW ¹ / ₄	SW ¹ / ₄	SE ¹ / ₄	NE ¹ / ₄	NW ¹ / ₄	SW ¹ / ₄	SE ¹ / ₄	NE ¹ / ₄	NW ¹ / ₄	SW ¹ / ₄	SE ¹ / ₄	NE ¹ / ₄	NW ¹ / ₄	SW ¹ / ₄	SE ¹ / ₄	
15	2S	15E					39	39										78	

3. That the authorized source from which the appropriation shall be made is groundwater, to be withdrawn by means of a battery of four (4) wells with a geographic center located in the Southeast Quarter of the Northeast Quarter of the Northwest Quarter (SE¹/₄ NE¹/₄ NW¹/₄) of Section 15, more particularly described as being near a point 4,234 feet North and 2,875 feet West of the Southeast corner of said section, in Township 2 South, Range 15 East, Brown County, Kansas, located substantially as shown on the topographic map accompanying the application.

4. That the appropriation sought shall be limited to a maximum diversion rate not in excess of **800 gallons per minute** (1.78 c.f.s.) and to a quantity not to exceed **78 acre-feet** of water for any calendar year.

5. That installation of works for diversion of water shall be completed on or before **December 31, 2019**, or within any authorized extension thereof. The applicant shall notify the Chief Engineer and pay the statutorily required field inspection fee, which is currently \$400.00, when construction of the works has been completed. Failure to timely submit the notice and the fee will result in revocation of the permit. Any request for an extension of time shall be accompanied by the required statutory fee, which is currently \$100.00.

6. That the proposed appropriation shall be perfected by the actual application of water to the proposed beneficial use on or before **December 31, 2023**, or any authorized extension thereof. Any request for an extension of time shall be submitted prior to the expiration of the deadline and shall be accompanied by the required statutory fee, which is currently \$100.00.

7. That the applicant shall not be deemed to have acquired a water appropriation for a quantity in excess of the amount approved herein nor in excess of the amount found by the Chief Engineer to have been actually used for the approved purpose during one calendar year subsequent to approval of the application and within the time specified for perfection or any authorized extension thereof.

8. That the use of water herein authorized shall not be made so as to impair any use under existing water rights nor prejudicially and unreasonably affect the public interest.

9. That the right of the appropriator shall relate to a specific quantity of water and such right must allow for a reasonable raising or lowering of the static water level and for the reasonable increase or decrease of the streamflow at the appropriator's point of diversion.

10. That this permit does not constitute authority under K.S.A. 82a-301 through 305a to construct any dam or other obstruction; nor does it grant any right-of-way, or authorize entry upon or injury to, public or private property.

11. That all diversion works constructed under the authority of this permit into which any type of chemical or other foreign substance will be injected into the water pumped from the diversion works shall be equipped with an in-line, automatic quick-closing, check valve capable of preventing pollution of the source of the water supply. The type of valve installed shall meet specifications adopted by the Chief Engineer and shall be maintained in an operating condition satisfactory to the Chief Engineer.

12. That all wells with a diversion rate of 100 gallons per minute or more drilled under the authority of this permit shall have a tube or other device installed in a manner acceptable to, and in accordance with specifications adopted by, the Chief Engineer. This tube or device shall be suitable for making water level measurements and shall be maintained in a condition satisfactory to the Chief Engineer.

13. That an acceptable water flow meter shall be installed and maintained on the diversion works authorized by this permit in accordance Kansas Administrative Regulations 5-1-4 through 5-1-12 adopted by the Chief Engineer. This water flow meter shall be used to provide an accurate quantity of water diverted as required for the annual water use report (including the meter reading at the beginning and end of the report year).

14. That the applicant shall maintain accurate and complete records from which the quantity of water diverted during each calendar year may be readily determined and the applicant shall file an annual water use report with the Chief Engineer by March 1 following the end of each calendar year. Failure to file the annual water use report by the due date shall cause the applicant to be subject to a civil penalty.

15. That no water user shall engage in nor allow the waste of any water diverted under the authority of this permit.

16. That failure without cause to comply with provisions of the permit and its terms, conditions and limitations will result in the forfeiture of the priority date, revocation of the permit and dismissal of the application.

17. That the right to appropriate water under authority of this permit is subject to any minimum desirable streamflow requirements identified and established pursuant to K.S.A. 82a-703c for the source of supply to which this water right applies.

CERTIFICATE OF SERVICE

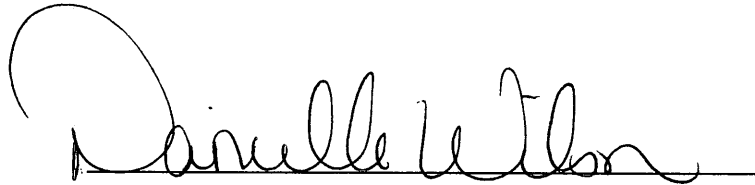
On this ~~4th~~ day of *May*, 2018, I hereby certify that the foregoing Approval of Application, File No. 49,983, dated *May 1st, 2018* was mailed postage prepaid, first class, US mail to the following:

MICHAEL & JODI NOHL
1221 IOWA ST
SABETHA KS 66534

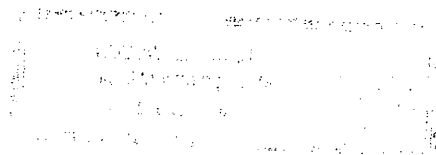
With photocopies to:

MIDWEST IRRIGATION
% KEITH GRIMM
2991 GOLDFINCH RD
HIAWATHA KS 66434 8371

Topeka Field Office



Division of Water Resources



200

THE STATE OF KANSAS



KANSAS DEPARTMENT OF AGRICULTURE
Jackie McClaskey, Secretary of Agriculture

DIVISION OF WATER RESOURCES
David W. Barfield, Chief Engineer

File Number 49983
This item to be completed by the Division of Water Resources.

WATER RESOURCES RECEIVED

JAN 29 2018
11:40
KS DEPT OF AGRICULTURE

APPLICATION FOR PERMIT TO APPROPRIATE WATER FOR BENEFICIAL USE
Filing Fee Must Accompany the Application
(Please refer to Fee Schedule attached to this application form.)

To the Chief Engineer of the Division of Water Resources, Kansas Department of Agriculture,
1320 Research Park Drive, Manhattan, Kansas 66502:

1. Name of Applicant (Please Print): Michael Nohl
Address: 1221 Iowa St.
City: Sabetha State KS Zip Code 66534
Telephone Number: (785) 285-2387

2. The source of water is: surface water in _____ (stream)
OR groundwater in Mulberry Creek to Big Nemaha Basin (drainage basin)

Certain streams in Kansas have minimum target flows established by law or may be subject to administration when water is released from storage for use by water assurance district members. If your application is subject to these regulations on the date we receive your application, you will be sent the appropriate form to complete and return to the Division of Water Resources.

3. The maximum quantity of water desired is 78 acre-feet OR _____ gallons per calendar year, to be diverted at a maximum rate of 800 gallons per minute OR _____ cubic feet per second.

Once your application has been assigned a priority, the requested maximum rate of diversion and maximum requested quantity of water under that priority number can **NOT** be increased. Please be certain your requested maximum rate of diversion and maximum quantity of water are appropriate and reasonable for your proposed project and are in agreement with the Division of Water Resources' requirements.

4. The water is intended to be appropriated for (Check use intended):
(a) Artificial Recharge (b) Irrigation (c) Recreational (d) Water Power
(e) Industrial (f) Municipal (g) Stockwatering (h) Sediment Control
(i) Domestic (j) Dewatering (k) Hydraulic Dredging (l) Fire Protection
(m) Thermal Exchange (n) Contamination Remediation

YOU **MUST** COMPLETE AND ATTACH ADDITIONAL DIVISION OF WATER RESOURCES FORM(S) PROVIDING INFORMATION TO SUBSTANTIATE YOUR REQUEST FOR THE AMOUNT OF WATER FOR THE INTENDED USE REFERENCED ABOVE.

For Office Use Only:
F.O. 1 GMD REG Meets K.A.R. 5-3-1 (YES / NO) Use IRR Source S County BR By AW Date 1/29/18
Code _____ Fee \$ 200 TR # _____ Receipt Date 1/29/18 Check # 1413

SCANNED 2/5/2018 LLM

4200

THE STATE OF KANSAS



KANSAS DEPARTMENT OF AGRICULTURE
Jackie McClaskey, Secretary of Agriculture

DIVISION OF WATER RESOURCES
David W. Barfield, Chief Engineer

File Number 49983
This item to be completed by the Division of Water Resources.

WATER RESOURCES
RECEIVED

JAN 29 2018
11:40

KS DEPT OF AGRICULTURE

APPLICATION FOR PERMIT TO
APPROPRIATE WATER FOR BENEFICIAL USE
Filing Fee Must Accompany the Application
(Please refer to Fee Schedule attached to this application form.)

To the Chief Engineer of the Division of Water Resources, Kansas Department of Agriculture,
1320 Research Park Drive, Manhattan, Kansas 66502:

1. Name of Applicant (Please Print): Michael Nohl
Address: 1221 Iowa St.
City: Sabetha State KS Zip Code 66534
Telephone Number: (785) 285-2387

2. The source of water is: surface water in _____ (stream)
OR groundwater in Mulberry Creek to Big Nemaha Basin (drainage basin)

Certain streams in Kansas have minimum target flows established by law or may be subject to administration when water is released from storage for use by water assurance district members. If your application is subject to these regulations on the date we receive your application, you will be sent the appropriate form to complete and return to the Division of Water Resources.

3. The maximum quantity of water desired is 78 acre-feet OR _____ gallons per calendar year, to be diverted at a maximum rate of 800 gallons per minute OR _____ cubic feet per second.

Once your application has been assigned a priority, the requested maximum rate of diversion and maximum requested quantity of water under that priority number can **NOT** be increased. Please be certain your requested maximum rate of diversion and maximum quantity of water are appropriate and reasonable for your proposed project and are in agreement with the Division of Water Resources' requirements.

4. The water is intended to be appropriated for (Check use intended):
(a) Artificial Recharge (b) Irrigation (c) Recreational (d) Water Power
(e) Industrial (f) Municipal (g) Stockwatering (h) Sediment Control
(i) Domestic (j) Dewatering (k) Hydraulic Dredging (l) Fire Protection
(m) Thermal Exchange (n) Contamination Remediation

YOU **MUST** COMPLETE AND ATTACH ADDITIONAL DIVISION OF WATER RESOURCES FORM(S) PROVIDING INFORMATION TO SUBSTANTIATE YOUR REQUEST FOR THE AMOUNT OF WATER FOR THE INTENDED USE REFERENCED ABOVE.

For Office Use Only:
F.O. 1 GMD 0 Meets K.A.R. 5-3-1 (YES / NO) Use IRR Source S County BR By AW Date 1/29/18
Code REG Fee \$ 200 TR # _____ Receipt Date 1/29/18 Check # 1413

SCANNED 2/5/2018 ULM

Bat 4 of 4 SE NE NW 3984' N & 2875' W 15-2S-15E

File No. 49983

Brown Co.

5. The location of the proposed wells, pump sites or other works for diversion of water is:

Note: For the application to be accepted, the point of diversion location must be described to at least a 10 acre tract, unless you specifically request a 60 day period of time in which to locate the site within a specifically described, minimal legal quarter section of land.

600
feet

(A) One in the SE quarter of the NE quarter of the NW quarter of Section 15, more particularly described as being near a point 4234 feet North and 2875 feet West of the Southeast corner of said section, in Township 02 South, Range 15 East West (circle one), Brown County, Kansas.

Bat 1 of 4 (B) One in the SE quarter of the NE quarter of the NW quarter of Section 15, more particularly described as being near a point 4359 feet North and 2875 feet West of the Southeast corner of said section, in Township 2 South, Range 15 East West (circle one), BR County, Kansas.

2 of 4 (C) One in the SE quarter of the NE quarter of the NW quarter of Section 15, more particularly described as being near a point 4484 feet North and 2875 feet West of the Southeast corner of said section, in Township 2 South, Range 15 East West (circle one), BR County, Kansas.

3 of 4 (D) One in the SE quarter of the NE quarter of the NW quarter of Section 15, more particularly described as being near a point 4109 feet North and 2875 feet West of the Southeast corner of said section, in Township 2 South, Range 15 East West (circle one), BR County, Kansas.

If the source of supply is groundwater, a separate application shall be filed for each proposed well or battery of wells, except that a single application may include up to four wells within a circle with a quarter (1/4) mile radius in the same local source of supply which do not exceed a maximum diversion rate of 20 gallons per minute per well.

A battery of wells is defined as two or more wells connected to a common pump by a manifold; or not more than four wells in the same local source of supply within a 300 foot radius circle which are being operated by pumps not to exceed a total maximum diversion rate of 800 gallons per minute and which supply water to a common distribution system.

6. The owner of the point of diversion, if other than the applicant is (please print):

Same

(name, address and telephone number)

(name, address and telephone number)

You must provide evidence of legal access to, or control of, the point of diversion from the landowner or the landowner's authorized representative. Provide a copy of a recorded deed, lease, easement or other document with this application. In lieu thereof, you may sign the following sworn statement:

I have legal access to, or control of, the point of diversion described in this application from the landowner or the landowner's authorized representative. I declare under penalty of perjury that the foregoing is true and correct.

Executed on January 25, 2018.

Michael Paul

Applicant's Signature

The applicant must provide the required information or signature irrespective of whether they are the landowner. Failure to complete this portion of the application will cause it to be unacceptable for filing and the application will be returned to the applicant.

7. The proposed project for diversion of water will consist of Battery of up to 4 wells (Line up North to South)*

(number of wells, pumps or dams, etc.)

and (was)(will be) completed (by) ASAP

(Month/Day/Year - each was or will be completed)

8. The first actual application of water for the proposed beneficial use was or is estimated to be 7-1-18

(Mo/Day/Year)

WATER RESOURCES RECEIVED

JAN 29 2018

* See 4/12/18 e-mail from Keith Grimm.

KS DEPT OF AGRICULTURE SCANNED

5. The location of the proposed wells, pump sites or other works for diversion of water is:

Note: For the application to be accepted, the point of diversion location must be described to at least a 10 acre tract, unless you specifically request a 60 day period of time in which to locate the site within a specifically described, minimal legal quarter section of land.

*600
feet*

↓ (A) One in the SE quarter of the NE quarter of the NW quarter of Section 15, more particularly described as being near a point 4234 feet North and 2875 feet West of the Southeast corner of said section, in Township 02 South, Range 15 East West (circle one), Brown County, Kansas.

(B) One in the _____ quarter of the _____ quarter of the _____ quarter of Section _____, more particularly described as being near a point _____ feet North and _____ feet West of the Southeast corner of said section, in Township _____ South, Range _____ East/West (circle one), _____ County, Kansas.

(C) One in the _____ quarter of the _____ quarter of the _____ quarter of Section _____, more particularly described as being near a point _____ feet North and _____ feet West of the Southeast corner of said section, in Township _____ South, Range _____ East/West (circle one), _____ County, Kansas.

(D) One in the _____ quarter of the _____ quarter of the _____ quarter of Section _____, more particularly described as being near a point _____ feet North and _____ feet West of the Southeast corner of said section, in Township _____ South, Range _____ East/West (circle one), _____ County, Kansas.

If the source of supply is groundwater, a separate application shall be filed for each proposed well or battery of wells, except that a single application may include up to four wells within a circle with a quarter (1/4) mile radius in the same local source of supply which do not exceed a maximum diversion rate of 20 gallons per minute per well.

A battery of wells is defined as two or more wells connected to a common pump by a manifold; or not more than four wells in the same local source of supply within a 300 foot radius circle which are being operated by pumps not to exceed a total maximum diversion rate of 800 gallons per minute and which supply water to a common distribution system.

6. The owner of the point of diversion, if other than the applicant is (please print):

Same

(name, address and telephone number)

(name, address and telephone number)

You must provide evidence of legal access to, or control of, the point of diversion from the landowner or the landowner's authorized representative. Provide a copy of a recorded deed, lease, easement or other document with this application. In lieu thereof, you may sign the following sworn statement:

I have legal access to, or control of, the point of diversion described in this application from the landowner or the landowner's authorized representative. I declare under penalty of perjury that the foregoing is true and correct.
Executed on January 25, 2018. Michael Paul
Applicant's Signature

The applicant must provide the required information or signature irrespective of whether they are the landowner. Failure to complete this portion of the application will cause it to be unacceptable for filing and the application will be returned to the applicant.

7. The proposed project for diversion of water will consist of Battery of up to 4 wells
(number of wells, pumps or dams, etc.)
and (was)(will be) completed (by) ASAP
(Month/Day/Year - each was or will be completed)

8. The first actual application of water for the proposed beneficial use was or is estimated to be 7-1-18
(Mo/Day/Year)

WATER RESOURCES
RECEIVED

JAN 29 2018

KS DEPT OF AGRICULTURE
SCANNED

9. Will pesticide, fertilizer, or other foreign substance be injected into the water pumped from the diversion works?
 Yes No If "yes", a check valve shall be required.

All chemigation safety requirements must be met including a chemigation permit and reporting requirements.

NA If you are planning to impound water, please contact the Division of Water Resources for assistance, prior to submitting the application. Please attach a reservoir area capacity table and inform us of the total acres of surface drainage area above the reservoir.

Have you also made an application for a permit for construction of this dam and reservoir with the Division of Water Resources? Yes No

- If yes, show the Water Structures permit number here _____
- If no, explain here why a Water Structures permit is not required _____

11. The application must be supplemented by a U.S.G.S. topographic map, aerial photograph or a detailed plat showing the following information. On the topographic map, aerial photograph, or plat, identify the center of the section, the section lines or the section corners and show the appropriate section, township and range numbers. Also, please show the following information:

- (a) The location of the proposed point(s) of diversion (wells, stream-bank installations, dams, or other diversion works) should be plotted as described in Paragraph No. 5 of the application, showing the North-South distance and the East-West distance from a section line or southeast corner of section.
- (b) If the application is for groundwater, please show the location of any existing water wells of any kind within 1/2 mile of the proposed well or wells. Identify each existing well as to its use and furnish the name and mailing address of the property owner or owners. If there are no wells within 1/2 mile, please advise us.
- (c) If the application is for surface water, the names and addresses of the landowner(s) 1/2 mile downstream and 1/2 mile upstream from your property lines must be shown.
- (d) The location of the proposed place of use should be shown by crosshatching on the topographic map, aerial photograph or plat.
- (e) Show the location of the pipelines, canals, reservoirs or other facilities for conveying water from the point of diversion to the place of use.

A 7.5 minute U.S.G.S. topographic map may be obtained by providing the section, township and range numbers to: Kansas Geological Survey, 1930 Constant, Campus West, University of Kansas, Lawrence, Kansas 66047.

12. List any application, appropriation of water, water right, or vested right file number that covers the same diversion points or any of the same place of use described in this application. Also list any other recent modifications made to existing permits or water rights in conjunction with the filing of this application.

None

WATER RESOURCES
RECEIVED

JAN 29 2018

13. Furnish the following well information if the proposed appropriation is for the use of groundwater. If the well has not been completed, give information obtained from test holes, if available.

Information below is from: Test holes Well as completed Drillers log attached

Well location as shown in paragraph No.	(A)	(B)	(C)	(D)
Date Drilled	_____	_____	_____	_____
Total depth of well	_____	_____	_____	_____
Depth to water bearing formation	_____	_____	_____	_____
Depth to static water level	_____	_____	_____	_____
Depth to bottom of pump intake pipe	_____	_____	_____	_____

14. The relationship of the applicant to the proposed place where the water will be used is that of

owner
(owner, tenant, agent or otherwise)

15. The owner(s) of the property where the water is used, if other than the applicant, is (please print):

Same
(name, address and telephone number)

(name, address and telephone number)

16. The undersigned states that the information set forth above is true to the best of his/her knowledge and that this application is submitted in good faith.

Dated at Hiawatha, Kansas, this 25 day of January, 2018.
(month) (year)

Michael M
(Applicant Signature)

By _____
(Agent or Officer Signature)

(Agent or Officer - Please Print)

Assisted by Kerth Grimm MWF Date: 1/25/18
(office/title)

**IRRIGATION USE
SUPPLEMENTAL SHEET**

File No. 49983

Name of Applicant (Please Print): Michael Nohl

1. Please supply the name and address of each landowner, the legal description of the lands to be irrigated, and designate the actual number of acres to be irrigated in each forty acre tract or fractional portion thereof:

Landowner of Record NAME: Michael + Jodi Nohl
 ADDRESS: 1221 Iowa St. Sabetha KS 66534

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
15	02	15E					39	39										78	

Landowner of Record NAME: _____
 ADDRESS: _____

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	

Landowner of Record NAME: _____
 ADDRESS: _____

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	

Schemm, Doug [KDA]

From: Keith Grimm <Keith@mwivalley.com>
Sent: Thursday, April 12, 2018 7:29 AM
To: Schemm, Doug [KDA]
Subject: RE: 49,983 Michael Nohl / Doug Grimm 49974

Yes lets do the overlap. Easier now then changing it later! On michael lets just space the 4 wells out north to south line

Thanks

Keith Grimm, Owner
MWI, LLC
1215 Oregon St
Hiawatha, KS 66434
Cell: 785-547-7556
Office: 785-288-1783

From: Schemm, Doug [KDA] <Doug.Schemm@ks.gov>
Sent: Thursday, April 12, 2018 7:23 AM
To: Keith Grimm <Keith@mwivalley.com>
Subject: FW: 49,983 Michael Nohl / Doug Grimm 49974

Good Morning Keith,
Have you come up with a plan on this one? Also on the Doug Grimm File, the proposed place of use is already authorized under a bunch of senior files like 48,770 and 48,771, do you want me to do a complete overlap with these senior files on this new app?
Thanks, Doug

From: Schemm, Doug [KDA]
Sent: Tuesday, April 10, 2018 2:36 PM
To: Keith Grimm (keith@mwivalley.com) <keith@mwivalley.com>
Subject: 49,983 Michael Nohl

Good Afternoon Keith,
This file is located in the NW qtr of 15, T2S, R15E. The geo-center is 4,234'N and 2,875'W and It looks like you have a "south well" to the southeast of the geocenter. How do you want the 4 Individual wells located?
Thanks, Doug

49,983- meets safe
Yield

Analysis Results

The selected PD is in an area OPEN to new appropriations.

The safe yield based on the variables listed below is 3,418.05 AF.

Total prior appropriations in the circle is ~~38.00 AF~~ **612 AF**

Total quantity of water available for appropriation is ~~3,340.05 AF~~

2,806 AF

Safe Yield Variables

The area used for the analysis is set at 8,042 acres.

The potential annual recharge at the circle center is estimated to be 5.1 inches.

The percent of recharge available for appropriation is 100%.

Authorized Quantity values are as of 10-APR-2018 and are based on Appropriated and Vested ground water right and possible stream nodes for GMD #2. Domestic, Term and Temporary water rights have been excluded.

There are 2 water rights and 6 points of diversion within the circle.

File Number	Use	ST	SR	Q4	Q3	Q2	Q1	FeetN	FeetW	Sec	Twp	Rng	ID	Qind	Auth Quant	Add Quant	Tot Acres	Net Acres
A 49220 00	IRR	LO	G		NE	SE	NW	3594	2939	10	02	15E	4	WR	612.00	0.00 612 AF *	616.50	0.00
Same	IRR	LO	G		SE	SE	NW	3299	2964	10	02	15E	5	WR				
Same	IRR	LO	G		NE	SE	NW	3496	2947	10	02	15E	6	WR				
Same	IRR	LO	G		NE	SE	NW	3693	2930	10	02	15E	7	WR				
Same	IRR	LO	G		NE	SE	NW	3889	2914	10	02	15E	8	WR				
A 49983 00	IRR	AY	G		SE	NE	NW	4234	2875	15	02	15E	1	WR	78.00	78.00	78.00	78.00

Limitations

File Number	Seq Num	Limitations
A 49220 00	1	616.5 AF/YR COM/W #46969, #47141, #47142, #47464 & #48819

*NOTE: 49,220 is limited in quantity to senior files which are all surface water sources. Therefore, file # 49,220 could pump the entire authorized quantity of 612 AF. Dws/BWR 4/10/18

49983 00

AMOUNT STATISTICS REPORT FOR POINTS OF DIVERSION UNDER A

AMOUNT STATISTICS REPORT FOR POINTS OF DIVERSION UNDER A 49983 00 IRR

All > 1/4 mile
meets spacing

Water Right and Points of Diversion Within 2.00 miles of point defined as:

4234 Feet North and 2875 Feet West of the Southeast Corner of Section 15 T 2S R 15E

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__ 49220 00	IRR	LO	G	4646	--	NE	SE	NW	3594	2939	10	2	15E	4	G 4	612.00	.00	AF
Same				4351	--	SE	SE	NW	3299	2964	10	2	15E	5	B 4			
Same				4548	--	NE	SE	NW	3496	2947	10	2	15E	6	B 4			
Same				4745	--	NE	SE	NW	3693	2930	10	2	15E	7	B 4			
Same				4941	--	NE	SE	NW	3889	2914	10	2	15E	8	B 4			
A__ 49983 00	IRR	AY	G	0	--	SE	NE	NW	4234	2875	15	2	15E	1		78.00	78.00	AF

Total Net Quantities Authorized:	Direct	Storage
Total Requested Amount (AF) =	78.00	.00
Total Permitted Amount (AF) =	.00	.00
Total Inspected Amount (AF) =	.00	.00
Total Pro_Cert Amount (AF) =	.00	.00
Total Certified Amount (AF) =	.00	.00
Total Vested Amount (AF) =	.00	.00
TOTAL AMOUNT (AF) =	78.00	.00

An * after the source of supply indicates a pending application for change under the file number.
 An * after the ID indicates a 15 AF exemption was granted under the file number.
 A "G" in the Batt column indicates the GEO CTR of a battery. A "B" indicates a well in the battery.
 The number in the Batt column is the number of wells in the battery.

Water Rights and Points of Diversion Within 2.00 miles of point defined as:

4234 Feet North and 2875 Feet West of the Southeast Corner of Section 15 T 2S R 15E

GROUNDWATER ONLY

WATER USE CORRESPONDENTS:

- File Number Use ST SR
- A__ 49220 00 IRR LO G
- > PINE RIDGE INC
- >
- > 477 K 246
- > MORRILL KS 66515
- >-----
- A__ 49983 00 IRR AY G
- > MICHAEL & JODI NOHL
- >
- > 1221 IOWA ST
- > SABETHA KS 66534
- >-----

#####

STATE OF KANSAS



DEPARTMENT OF AGRICULTURE
DIVISION OF WATER RESOURCES
TOPEKA FIELD OFFICE
6531 SE FORBES AVE., SUITE B
TOPEKA, KS 66619

PHONE: (785) 296-5733
FAX: (785) 296-8298
www.agriculture.ks.gov

GOVERNOR JEFF COLYER, M.D.
JACKIE McCLASKEY, SECRETARY OF AGRICULTURE

March 27, 2018

BRAD & HOLLY SNYDER
2573 COYOTE RD
MORRILL KS 66515

Re: Pending New Application, File No. 49,983

Dear Sir or Madam:

This is to advise you that Michael Nohl has filed the application referred to above for a permit to appropriate 78 acre-feet of groundwater per calendar year for irrigation use to be diverted at a maximum rate of 800 gallons per minute. The proposed point of diversion is the geographic center of the battery of wells, located as follows:

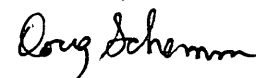
In the Southeast Quarter of the Northeast Quarter of the Northwest Quarter of Section 15, in Township 2 South, Range 15 East, Brown County, Kansas.

Records in this office indicate that you may have a well or wells in this vicinity and you are being notified of receipt of this application in order that you may be fully informed of the proposed location of the applicant's point of diversion and proposed use of water. Consideration will be given to comments or other information which you desire to submit to this office **within 15 days** from the date of this letter.

You can find the application and site map posted by the file number referenced above at:
<http://agriculture.ks.gov/divisions-programs/dwr/water-appropriation/notices>

If you have any questions or comments, you may also contact me at (785) 296-3495. If you call, please reference the file number so I can help you more efficiently.

Sincerely,


Douglas W. Schemm
Environmental Scientist
Topeka Field Office

pc: Michael Nohl

260th St

Michael and Jodi Nohl

Geo Center

South Well

2875 west

Brad Snyder

Snyder & Holly

2573 Coyote Rd
MORRILL KS 66515

1/2 mile circle

4234 North

Dennis Kleopfer
Domestic

Domestic

©2018 Google

KS T2S R15E

Google Earth

1991

Imagery Date: 4/1/2016 39°52'46.62" N 95°43'04.14" W elev. 1126 ft eye alt 11

KS DEPT. OF AGRICULTURE
WATER RESOURCES
RECEIVED
JAN 29 2018

Chickadee Rd

Coyote Rd

49983

1320 Research Park Drive
Manhattan, Kansas 66502

Jackie McClaskey, Secretary



Phone: (785) 564-6700

Fax: (785) 564-6777

Email: ksag@kda.ks.gov

www.agriculture.ks.gov

Sam Brownback, Governor

January 30, 2018

MICHAEL NOHL
1221 IOWA ST
SABETHA KS 66534

RE: Application
File No. 49983

Dear Sir or Madam:

Your application for permit to appropriate water in 15-2S-15E in Brown County, was received and has been assigned the file number noted above.

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. Once review of your application has begun, we will contact you, if additional information is required.

In accordance with the provisions of the Kansas Water Appropriation Act, a portion of which is included below, the use of water as proposed prior to approval of the application is unlawful. 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) 564-6637. If you wish to discuss a specific file, please have the file number ready so that we may help you more efficiently.

Sincerely,

A handwritten signature in black ink that reads "Kristen A. Baum". The signature is written in a cursive, flowing style.

Kristen A. Baum
New Applications Unit Supervisor
Water Appropriation Program

BAT: dlw
pc: TOPEKA Field Office
GMD

1 LOCATION OF WATER WELL
 County: Brown Fraction: SE 1/4 SE 1/4 SE 1/4 Section Number: 1315 Township Number: T 2 Range Number: R 15
 Distance and direction from nearest town or city? 2 N of Fairview 1 E Street address of well if located within city?

2 WATER WELL OWNER: Bob Kleopher
 RR#, St. Address, Box #: RR Board of Agriculture, Division of Water Resources
 City, State, ZIP Code: Morrill, KS. 66515 Application Number:

3 DEPTH OF COMPLETED WELL: 140 ft. Bore Hole Diameter: 8 in. to ... 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 Observation well
 Well's static water level: 93 ft. below land surface measured on May month 14 day 81 year
 Pump Test Data: Well water was ... ft. after ... hours pumping ... gpm
 Est. Yield: 40 gpm: Well water was ... ft. after ... hours pumping ... gpm

4 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 dia: 5 in. to 0-120 ft. Dia ... in. to ... ft. Dia ... in. to ... ft.
 Casing height above land surface: 24 in., weight: 2.86 lbs./ft. Wall thickness or gauge No: 250
 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-Perforation Dia: 5 in. to ... ft. Dia ... in. to ... ft. Dia ... in. to ... ft.
 Screen-Perforated Intervals: From 120 ft. to 140 ft. From ... ft. to ... ft.
 Gravel Pack Intervals: From 10 ft. to 140 ft. From ... ft. to ... ft.

5 GROUT MATERIAL:
 1 Neat cement 2 Cement grout 3 Bentonite 4 Other
 Grouted Intervals: From 0 ft. to 10 ft. From ... ft. to ... ft. From ... ft. to ... ft.
 What is the nearest source of possible contamination:
 1 Septic tank 4 Cess pool 7 Sewage lagoon 10 Fuel storage 14 Abandoned water well
 2 Sewer lines 5 Seepage pit 8 Feed yard 11 Fertilizer storage 15 Oil well/Gas well
 3 Lateral lines 6 Pit privy 9 Livestock pens 12 Insecticide storage 16 Other (specify below)
 13 Watertight sewer lines
 Direction from well: N How many feet: 120 ? Water Well Disinfected? Yes No
 Was a chemical/bacteriological sample submitted to Department? Yes ... No If yes, date sample was submitted ... month ... day ... year Pump Installed? Yes ... No
 If Yes: Pump Manufacturer's name ... Model No. ... HP ... Volts ...
 Depth of Pump Intake ... ft. Pumps Capacity rated at ... gal./min.
 Type of pump: 1 Submersible 2 Turbine 3 Jet 4 Centrifugal 5 Reciprocating 6 Other

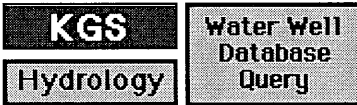
6 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on MAY month 14 day 1981 year
 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 182
 This Water Well Record was completed on MAY month 22 day 1981 year under the business name of Strader Dr 19 Co. Inc. by (signature) Dale Ashren

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

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
0	3	TOP SOIL			
3	18	CLAY BROWN			
18	65	SHALE YELLOW			
65	125	SHALEY LIMESTONE, YELLOW			
125	127	LIMESTONE BROWN			
127	140	SHALEY LIMESTONE GREY			

ELEVATION:
 Depth(s) Groundwater Encountered 1. 125 ft. 2. ... ft. 3. ... ft. 4. ... ft. (Use a second sheet if needed)

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, Division of Environment, Water Well Contractors, Topeka, KS 66620. Send one to WATER WELL OWNER and retain one for your records.



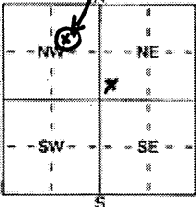
Scan of WWC5 Form

Per Qtr/Qtr/Qtr description +
Lat and Long this is 3,500'W +
4,300'N

WATER WELL RECORD Form WWC-5 KSA 82a-1212 ID No.

1 LOCATION OF WATER WELL: Fraction SW NE NW Section Number 15 Township Number T 2 S Range Number R 15 E/W
 County: Brown
 Distance and direction from nearest town or city, street address of well if located within city?
From Fairview, KS: 2 1/4 mi. north, 1/2 mi. east

2 WATER WELL OWNER: Dennis Kleopfer
 RR#, St. Address, Box #: 410 250a St.
 City, State, ZIP Code: Morrill, KS, 66515
 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: 136 ft. ELEVATION:
 Depth(s) Groundwater Encountered: 1. 96 ft. 2. 107 ft. 3. 120 ft.
 WELL'S STATIC WATER LEVEL: 96 ft. below land surface measured on mo/day/yr: 3-18-04
 Pump test data: Well water was _____ ft. after _____ hours pumping _____ gpm
 Est. Yield: 40 gpm; Well water was _____ ft. after _____ hours pumping _____ gpm
 WELL WATER TO BE USED AS: 5 Public water supply 8 Air conditioning 11 Injection well
 2 Irrigation 3 Feedlot 6 Oil field water supply 9 Dewatering 12 Other (Specify below)
 4 Industrial 7 Domestic (lawn & garden) 10 Monitoring well
 Was a chemical/bacteriological sample submitted to Department? Yes _____ No X; If yes, mo/day/yr sample was submitted
 Water Well Disinfected? Yes _____ No X

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)
 CASING JOINTS: Glued X Clamped _____ Welded _____ Threaded _____
 Blank casing diameter: 5 in. to 1 1/2 ft. Dia. _____ in. to _____ ft. Dia. _____ in. to _____ ft. Dia.
 Casing height above land surface: 18 in. weight _____ lbs./ft. Wall thickness or gauge No. SDR 31
 TYPE OF SCREEN OR PERFORATION MATERIAL: 1 Steel 2 Brass 3 Stainless Steel 4 Galvanized Steel 5 Fiberglass 6 Concrete tile 7 PVC 8 RMP (SR) 9 ABS 10 Asbestos-Cement 11 Other (Specify) 12 None used (open hole)
 SCREEN OR PERFORATION OPENINGS ARE: 1 Continuous slot 2 Louvered shutter 3 Mill slot 4 Key punched 5 Gauzed wrapped 6 Wire wrapped 7 Torch cut 8 Saw cut 9 Drilled holes 11 None (open hole) 10 Other (specify) _____ ft.
 SCREEN-PERFORATED INTERVALS: From 116 ft. to 136 ft. From _____ ft. to _____ ft. From _____ ft. to _____ ft. From _____ ft. to _____ ft.
 GRAVEL PACK INTERVALS: From 25 ft. to 136 ft. From _____ ft. to _____ ft. From _____ ft. to _____ ft. From _____ ft. to _____ ft.

6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other _____
 Grout intervals: From 7 ft. to 25 ft. From _____ ft. to _____ ft. From _____ ft. to _____ ft. From _____ ft. to _____ 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) 15'
 Direction from well? _____ How many feet? _____

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	3	Topsoil - brown	90	98	limestone - gray to tan
3	11	clay - tan	98	100	shale - black, limestone - gray
11	14	clay - lt. tan	100	106	shale - black
14	18	clay & limestone - cream	106	109	limestone - gray to tan, shale - black
18	26	clay, soft limestone - blue-green to lt. gray			
26	35	clay, soft limestone, shale - blue-green to lt. maroon to lt. gray			
35	52	limestone with chert - moderately hard - tan to gray			
52	53	clay with limestone, chert blue-green to tan			
53	57	shale - gray	109	120	limestone - tan to gray
57	64	limestone - hard - gray to tan			
64	66	limestone - gray to olive	120	122	shale - gray, limestone - gray
66	77	limestone - gray, shale - gray to green to red			
77	82	shale - red, limestone - gray			
82	90	shale - red	122	136	limestone tan to gray

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) 3-18-04 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 627 This Water Well Record was completed on (mo/day/yr) 3-30-04 under the business name of Meyer Well Drilling by (signature) Steven E. Meyer

INSTRUCTIONS: Use typewriter or ball point pen. PLEASE PRINT FULLY 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, Geology Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1967. Telephone 785-296-5522. Send one to WATER WELL OWNER and retain one for your records. Fee of \$5.00 for each constructed well.

49983

associated DRILLING, INC.

201 Industrial Rd., PO Box 7, Olsburg, KS 66520
(785) 468-3324, Fax: (785) 468-3363

January 23, 2018

Test hole log for:

Michael Nohl
1221 Iowa St.
Sabetha, KS 66534

The location of the test hole is N 39.881707 W 95.723638

Static water level: 38.2 feet below top of casing

0-10	Clay, red brown
10-62	Shale, dark gray
62-70	Calcareous shale, tan, H2O, ~ 15 GPM
70-96	Shale, gray
96-105	Shale, broken, cobbles, H2O, > 50 gpm
105-106	Shale, gray
106-108	Gypsum

A 24 hour pump test was completed on this well. The well was yielding 100 gallons per minute after pumping for 24 hours. The pumping water level was 100.1 ft below top of casing after 24 hours of pumping.



Darin R. Duncan, PG
Associated Drilling, Inc.

WATER RESOURCES
RECEIVED

JAN 29 2018

KS DEPT OF AGRICULTURE

SCANNED

49983

associated DRILLING, INC.

201 Industrial Rd., PO Box 7, Olsburg, KS 66520
(785) 468-3324, Fax: (785) 468-3363

December 22, 2017

Test hole log for:


Michael Nohl
1221 Iowa St.
Sabetha, KS 66534

The location of the test hole is N 39.881275 W 95.723680

Static water level: 34 feet bgs

0-22	Clay, brown
22-27	Shale, tan
27-31	Limestone
31-35	Shale, gray
35-41	Limestone
41-51	Shale, gray
51-70	Shale, weathered, H2O
70-84	Limy shale, tan
84-100	Shale weathered, H2O
100-103	Gypsum

A 24 hour pump test was completed on this well. The well was yielding 80 gallons per minute after pumping for 24 hours.



Darin R. Duncan, PG
Associated Drilling, Inc.

WATER RESOURCES
RECEIVED

JAN 29 2018

KS DEPT OF AGRICULTURE

SCANNED



1320 Research Park Drive
Manhattan, Kansas 66502

Jackie McClaskey, Secretary

Phone: (785) 564-6700
Fax: (785) 564-6777
Email: ksag@kda.ks.gov
www.agriculture.ks.gov
Sam Brownback, Governor

January 30, 2018

MICHAEL NOHL
1221 IOWA ST
SABETHA KS 66534

RE: Application
File No. 49983

Dear Sir or Madam:

Your application for permit to appropriate water in 15-2S-15E in Brown County, was received and has been assigned the file number noted above.

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. Once review of your application has begun, we will contact you, if additional information is required.

In accordance with the provisions of the Kansas Water Appropriation Act, a portion of which is included below, the use of water as proposed prior to approval of the application is unlawful. 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) 564-6637. If you wish to discuss a specific file, please have the file number ready so that we may help you more efficiently.

Sincerely,

Kristen A. Baum
New Applications Unit Supervisor
Water Appropriation Program

BAT: dlw
pc: TOPEKA Field Office
GMD

SCANNED



260th St

Michael and Jodi Nohl

Geo Center

South Well

2875 west

Brad Synder

1/2 mile circle

4234 North

KS DEPT OF AGRICULTURE
WATER RESOURCES
RECEIVED
JAN 29 2018
Chickadee Rd

KS T2S R15E

©2018 Google

Coyote Rd

Google Earth

1991

Imagery Date: 4/1/2016 39°52'46.62" N 95°43'04.14" W elev 1126 ft eye alt 11

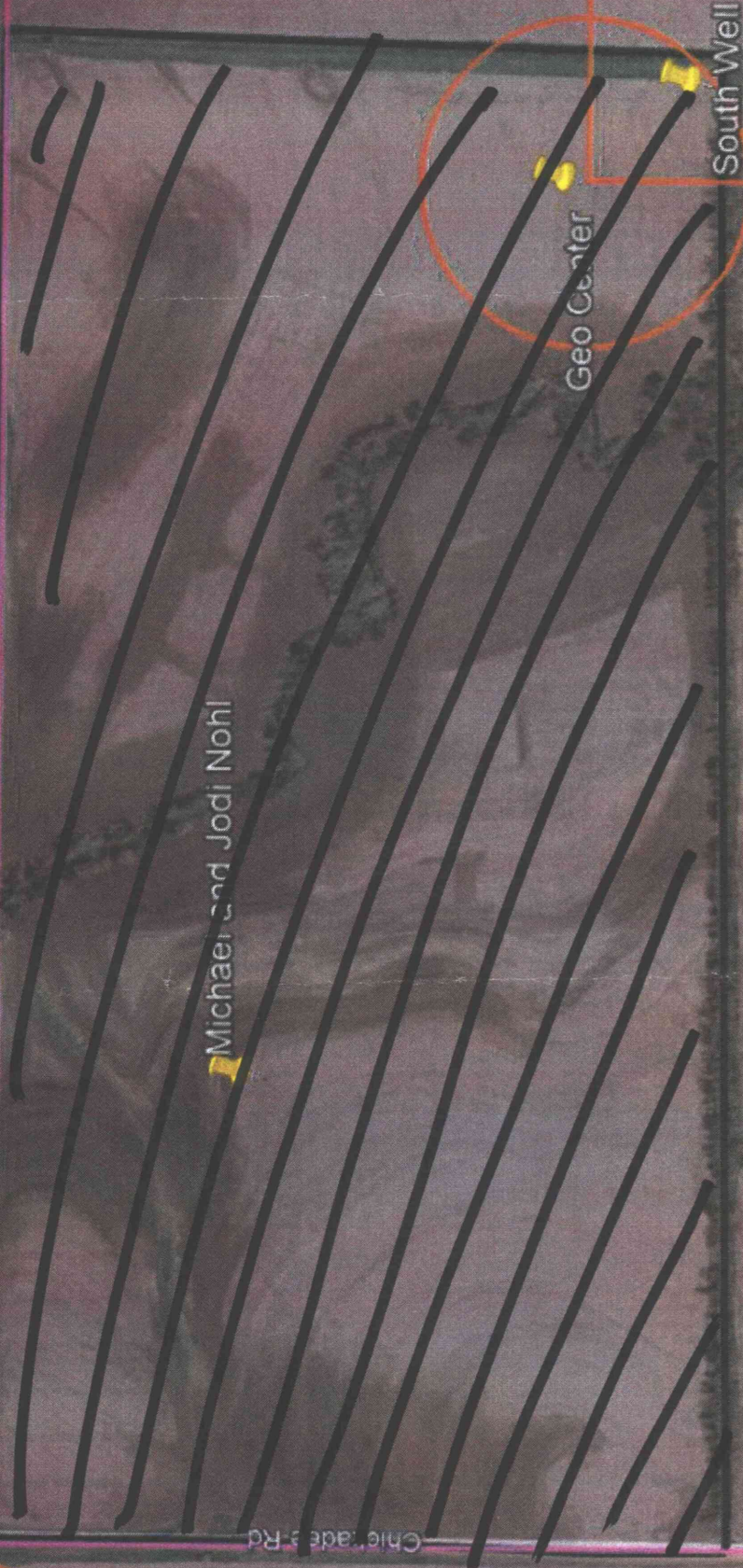
49983

49983

Google Earth

Imagery Date: 4/1/2016 39°52'57.11" N 95°43'37.26" W elev 1166 ft eye alt 4

© 2018 Google



Michael and Jodi Nohl

South Well

Geo Center

WATER RESOURCES RECEIVED

JAN 29 2018

KS DEPT OF AGRICULTURE

SCANNED

1991



26011+5r

Chiladee Rd