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.

THE STATE OF KANSAS

KANSAS DEPARTMENT OF AGRICULTURE
Jackie McClaskey, Secretary of Agriculture

DIVISION OF WATER RESOURCES
David W. Barfield, Chief Engineer

Water Resources
Received
MAR 07 2018
11:02
KS Dept Of Agriculture

File Number 50003
This item to be completed by the Division of Water Resources.

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): Schmidt Family Trust, c/o Milferd Schmidt, Trustee

   Address: 2816 Eisenhower Road

   City: Canton State KS Zip Code 67428

   Telephone Number: (620) 367-6248

2. The source of water is: ☐ surface water in _____ (stream)

   OR ☒ groundwater in Little Arkansas River Basin - Equus Beds Aquifer (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 35.7 acre-feet OR _____ gallons per calendar year, to be diverted at a maximum rate of 320 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. 2 *GMD* 3 *Meets K.A.R. 5-3-1 (YES / NO)* *Use* IRR *Source* G / S *County* MP *By* DW *Date* 3/7/18
Code REG *Fee $* 200 *TR #* _____ *Receipt Date* 3/7/18 *Check #* 701

DWR 1-100 (Revised 06/16/2014)

3/12/2018 CM

File No. _____

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.

(A) One in the NE quarter of the SW quarter of the SW quarter of Section 11, more particularly described as being near a point 704 feet North and 4150 feet West of the Southeast corner of said section, in Township 20 South, Range 1W East/West (circle one), McPherson 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 (¼) 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):
Schmidt Family Trust, c/o Milferd Schmidt, Trustee, 2816 Eisenhower Road, Canton, KS 67428. 620-367-6248
(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 Feb. 16, 2018. Milferd L. Schmidt
> 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 one well
(number of wells, pumps or dams, etc.)
and (was)(will be) completed (by) 7/26/1980 under Water Permit #33164.
(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 6/1/2018.
(Mo/Day/Year)

File No. 50003

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.

10. 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 NA
- If no, explain here why a Water Structures permit is not required NA

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 ½ 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 ½ mile, please advise us.

(c) If the application is for surface water, the names and addresses of the landowner(s) ½ mile downstream and ½ 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.

Water Right No. 33164 - Same point of diversion & place of use. Please note the point of diversion & place of use on this application better describes the point of diversion authorized by Water Right No. 33164 and the place of use authorized by and irrigated by Water Right No. 33164. A correctional order for Water Right No. 33164 should be issued to better describe the point of diversion and place of use.

File No. _____

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	7/26/1980			
Total depth of well	58'			
Depth to water bearing formation	16'			
Depth to static water level	10'			
Depth to bottom of pump intake pipe	55'			

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):
Schmidt Family Trust, c/o Milferd Schmidt, Trustee, 2816 Eisenhower Road, Canton, KS 67428. 620-367-6248
(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 Canton, Kansas, this 16 day of Febroary (month), 2018 (year).

Milferd L. Schmidt
(Applicant Signature)

By _____
(Agent or Officer Signature)

_____
(Agent or Officer - Please Print)

Assisted by T. Boese GMD2/Manager (office/title) Date: February 5, 2018

50003

DOMESTIC WATER WELL OWNER
WATER WELL SPACING CONSENT FORM
K.A.R. 5-22-2(e)(4)

I, Schmidt Family Trust, c/o Miferd Schmidt, own a domestic well at 2816 Eisenhower Road,
Name Domestic Water Well Owner — Address

Canton, KS, 67428, 620-367-6248,
City — State — Postal Code — Telephone

to supply water for domestic needs and use. That said water well was drilled and constructed on 07 / 26 / 1980
MM — DD — YY

I understand and acknowledge that Schmidt Family Trust, c/o Milferd Schmidt has either
Applicant Name
filed a change in point of diversion application on existing water permit #_____ or new application #_____ for a water permit to withdraw or appropriate groundwater for non-domestic beneficial use.

That the application described the location of a proposed non-domestic water well or water well battery in the NE 1/4 SW 1/4 SW 1/4 of Section 11, Township 20 South, Range 1 West, McPherson County, and will allow the withdrawal of 35.7 acre-feet per year at 320 gallons per minute for irrigation use.

The applicant has informed me that the proposed non-domestic water well or water well battery is within the minimum required spacing interval of 660 or 960 feet, respectively, of my domestic well.

Having full knowledge of the above and without waiving any right to file an impairment complaint with the Chief Engineer, Division of Water Resources, I grant my permission to locate said well or well battery less than the minimum required spacing interval from my domestic well.

Dated at Canton, Kansas, this 16 day of February 2018.

Signed by: Milford L Schmidt
Domestic Well Owner

Witnessed by: Loren Schmidt

Address: PO Box 173 2D W Osage
Canton, KS 67428

Telephone: 620-334-0621

Water Resources
Received
MAR 07 2018

KS Dept Of Agriculture

H:\MSOFFICE\LETTERS\Forms\^Domestic_consent_form_2.doc
File: 112.511

50003

FEE SCHEDULE

1. The fee for an application for a permit to appropriate water for beneficial use, except for domestic use, shall be (see paragraph No. 2 below if requesting storage):

ACRE-FEET	FEE
0-100	$200.00
101-320	$300.00
More than 320	$300.00 plus $20.00 for each additional 100 acre-feet or any part thereof.

2. The fee for an application in which storage is requested, except for domestic use, shall be:

ACRE-FEET	FEE
0-250	$200.00
More than 250	$200.00 plus $20.00 for each additional 250 acre-feet of storage or any part thereof.

Note: If an application requests both direct use *and* storage, the fee charged shall be as determined under No. 1 or No. 2 above, whichever is greater, but not both fees.

3. The fee for an application for a permit to appropriate water for water power or dewatering purposes shall be $100.00 plus $200.00 for each 100 cubic feet per second, or part thereof, of the diversion rate requested.

Note: The applicant shall notify the Chief Engineer and pay the statutorily required field inspection fee of $400.00 when construction of the works for diversion has been completed, except that for applications filed on or after July 1, 2009, for works constructed for sediment control use and for evaporation from a groundwater pit for industrial use shall be accompanied by a field inspection fee of $200.00.

MAKE CHECKS PAYABLE TO THE KANSAS DEPARTMENT OF AGRICULTURE

ATTENTION

A Water Conservation Plan may be required per K.S.A. 82a-733. A statement that your application for permit to appropriate water may be subject to the minimum desirable streamflow requirements per K.S.A. 82a-703a, b, and c may also be required from you. After the Division of Water Resources has had the opportunity to review your application, you will be notified whether or not you will need to submit a Water Conservation Plan. You also may be required to install a water flow meter or water stage measuring device on your diversion works prior to diverting water. There may be other special conditions or Groundwater Management District regulations that you will need to comply with if this application is approved.

CONVERSION FACTORS

1 acre-foot equals 325,851 gallons

1 million gallons equal 3.07 acre-feet

IRRIGATION USE
SUPPLEMENTAL SHEET

File No. 50003

Name of Applicant (Please Print): Schmidt Family Trust, c/o Milferd Schmidt, Trustee

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: Schmidt Family Trust, c/o Milferd Schmidt, Trustee

ADDRESS: 2816 Eisenhower Road, Canton, KS 67428

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
11	20S	1W									8	0.5	6.5	34					49

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	

2. Please complete the following information for the description of the operation for the irrigation project. Attach supplemental sheets as needed.

a. Indicate the soils in the field(s) and their intake rates:

Soil Name	Percent of field (%)	Intake Rate (in/hr)	Irrigation Design Group
Farnum Loam	100	0.20- 0.60	5
Total:	100 %		

b. Estimate the average land slope in the field(s): 1 %

Estimate the maximum land slope in the field(s): 2 %

c. Type of irrigation system you propose to use (check one):

X Center pivot ____ Center pivot - LEPA ____ "Big gun" sprinkler

____ Gravity system (furrows) ____ Gravity system (borders) ____ Sideroll sprinkler

Other, please describe: _____

d. System design features:

i. Describe how you will control tailwater: Will schedule and apply irrigation to eliminate run-off

ii. For sprinkler systems:

(1) Estimate the operating pressure at the distribution system: 27 psi

(2) What is the sprinkler package design rate? 320 gpm

(3) What is the wetted diameter (twice the distance the sprinkler throws water) of a sprinkler on the outer 100 feet of the system? ~30 feet

(4) Please include a copy of the sprinkler package design information.

e. Crop(s) you intend to irrigate. Please note any planned crop rotations: Corn, Soybeans, Milo, Wheat

f. Please describe how you will determine when to irrigate and how much water to apply (particularly important if you do not plan a full irrigation). Will contract with crop consultant

You may attach any additional information you believe will assist in informing the Division of the need for your request.

WISH-5414N

50003

****

**** PIVOT PRINTOUT ****

INMAN IRRIGATION INC.

RR 1

INMAN KANSAS 67546

APRIL 20 1992

PREPARED FOR:

MILFORD SCHMIDT

1980 VALLEY 4271 MODIFIED

****

56		473.97							
57	15.68	481.35	7.18	7.27	43.62	45.74	NEL R30 25/128 TB	32	31
58		490.11							
59	16.67	498.02	7.69	7.90	43.60	45.64	NEL R30 13/64 TB	27	32
60		505.49							
61	17.02	515.04	8.16	7.50	43.57	45.58	NEL R30 13/64 TB	30	35
62		523.87							
63	17.61	532.65	8.73	8.42	43.56	45.49	NEL R30 27/128 TB	32	34
64		542.02							
65	18.15	550.80	9.01	9.05	43.54	45.38	NEL R30 7/32 TB	34	
TOWER 3	185.37	557.61							
66		566.35							
67	17.47	560.27	9.69	9.42	43.51	45.42	NEL R30 27/128 TB	31	36
68		575.06							
69	15.59	583.27	9.49	9.49	43.47	45.30	NEL R30 27/128 TB	32	37
70		591.23							
71	16.61	600.59	9.73	9.94	43.48	45.28	NEL R30 7/32 TB	34	38
72		609.18							
72	17.02	617.60	9.59	9.60	43.47	45.22	NEL R30 29/128 TB	31	39
73		626.51							
74	16.67	634.27	9.67	9.67	43.46	45.10	NEL R30 29/128 TB	30	40
75		641.65							
76		643.67							
77	16.70	651.05	10.10	10.30	43.45	44.15	NEL R30 15/64 TB		41
78		658.41							42
79	16.67	665.72	10.09	10.26	43.44	44.27	NEL R30 15/64 TB	30	43
80		673.18							
81	17.30	681.78	10.26	10.37	43.38	46.01	NEL R30 15/64 TB	31	44
82		692.50							
83	16.96	701.13	10.34	10.36	43.35	45.09	NEL R30 15/64 TB	32	45
84		708.19							
85	16.43	715.70	10.44	10.39	43.32	44.04	NEL R30 13/64 TB	35	46
86		723.86							
TOWER 4	169.31	733.25							
87	16.06	742.50	11.32	11.05	43.29	43.04	NEL R30 1/8 TB	34	47
88		751.87							
89	16.00	759.38	8.20	8.42	43.32	45.35	NEL R30 27/128 TB	32	48

[illegible] 1 1 [illegible]

[illegible] 35.72

NEL 30H 125 [illegible]

[illegible] TO HO [illegible] PUMP

TOTAL GPM = 300.56

THIS SYSTEM WILL ALSO DELIVER :

	PSI - 10%	PSI	PSI + 10%
PUMP PRESSURE	30.5	35	39.5
TOTAL GPM	325.16	300.55	313.27
ENGINE GPM	37.02	39.92	41.07
END PRESSURE	39.06	43.83	47.77
PRESSURE LOSS	1.84	1.70	1.73

Water Resources
Received
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KS Dept Of Agriculture

***** HYDRAULICS SUMMARY *****

TOWER NUMBER	ACRES UNDER TOWER	GPM NET	ACTUAL GPM	GPM PER ACRE	AVERAGE IN. PER HR DELIVERED UNDER SPAN	GALLONS IN. DELIVERED FOR REVOLUTION TIME 36 HR	40 HR	44 HR
1	7.92	16.00	16.00	2.00	0.015	0.56	0.74	0.91
2	7.92	47.86	47.50	6.32	0.019	0.50	0.67	0.84
[illegible]	11.44	99.03	98.04	8.58	0.018	0.50	0.67	0.83
4	19.70	100.04	99.36	5.39	0.011	0.50	0.67	0.84
OVERHANG	1.6	12.46	12.58	7.57	0.010	0.50	0.67	0.84
ENGINE	3.13	39.50	37.00	9.86				
TOTAL	49.01	300.09	300.58	6.07				

SUMMARY OF SPRINKLERS

[illegible]	DEL 650 2.0 FCH
1	DEL 630 2.5 FCH
[illegible]	DEL 630 3.0 FCH
3	DEL 630 9/64 IP
[illegible]	DEL 630 19/128 IN
1	DEL 630 5/32 IN
[illegible]	DEL 630 21/128 IN
[illegible]	DEL 630 11/64 IN
[illegible]	DEL 630 23/128 IN
[illegible]	DEL 630 3/16 IN

INMAN IRRIGATION

WISH-5414N - MILFERD SCHMIDT

SPAN #1 66, 72, 2-78, 2-72, 66, 60
SPAN #2 & #3 60, 66, 2-72, 3-78, 2-72, 66, 60
SPAN #4 60, 66, 2-72, 2-78, 2-72, 66, 60
OVERHANG 2-60

PRECIPITATION CHART
****

WEST SALINA
APRIL 20, [illegible]

DEALER - INMAN IRRIGATION INC.
LENGTH UNDER PIPE - [illegible]
30 MPH NOZZLES

IRRIGATOR - MILFORD SCHMIDT
GPM UNDER PIVOT - [illegible]
PECAN TREES

PRECIPITATION - INCHES	TIMER SETTING - %	TIME - HOURS
.1[illegible]	100.00	12.45
.2	84.73	14.2
.25	[illegible]	[illegible]
.3	56.19	21.2
.35	48.42	24.65
.4	42.37	28.37
.45	37.66	31.94
.5	33.89	35.49
.6	28.24	42.50
.7	24.21	49.65
.8	21.18	56.70
.9	18.83	63.88
1	16.94	70.99
1.25	13.56	88.73
1.5	11.3	106.46
1.75	9.68	124.2[illegible]
2	8.47	141.[illegible]
2.25	7.53	159.7[illegible]
2.5	6.78	177.4[illegible]
3	5.65	212.5[illegible]
3.5	4.84	248.4[illegible]
4	4.24	283.9[illegible]

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14		119.37							
15	16.67	127.29	1.96	2.07	44.54	47.16	NEL R30 [illegible] FCH	[illegible]	
16		135.78							
17	17.62	144.30	2.03	2.07	44.44	47.03	NEL R30 [illegible] FCH	[illegible]	
18		153.15							
19	17.61	161.91	2.08	2.12	47.44	46.76	NEL R30 [illegible] FCH	[illegible]	
20		171.28							
21	18.15	180.04	2.03	2.06	44.38	46.80	NEL R30 [illegible] FCH	[illegible]	
TOWER 1	189.97	187.97							
23		189.61							
24	17.49	197.53	2.08	2.06	44.62	46.82	NEL R30 [illegible] FCH	[illegible]	
25		206.32							
26	15.73	213.23	2.19	2.00	44.62	46.76	NEL R30 [illegible] FCH	[illegible]	14
27		220.59							
28	16.61	229.04	2.53	2.09	44.22	46.60	NEL R30 [illegible] TB	10	15
29		238.46							
30	17.62	246.06	2.79	2.80	44.17	46.62	NEL R30 9/64 TB	11	16
31		[illegible]							
32	16.07	263.53	3.02	3.06	44.15	46.55	NEL R30 9/64 TB	12	17
33		270.91							
34	16.[illegible]	280.30	4.18	4.31	44.[illegible]	46.49	NEL R30 15/128 TB	1[illegible]	18
35		288.60							
36	15.68	295.90	4.37	4.51	44.45	46.4[illegible]	NEL R30 15/128 TB	1[illegible]	19
37		304.24							
38	16.67	312.65	4.80	4.94	43.98	46.35	NEL R30 5/32 TB	1[illegible]	20
39		[illegible]							
40	17.02	329.67	5.21	5.15	43.94	46.27	NEL R30 [illegible] TB	1[illegible]	21
41		338.5[illegible]							
42	17.61	347.28	5.47	5.60	43.88	46.18	NEL R30 11/64 TB	1[illegible]	22
43		356.05							
44	18.15	365.42	5.55	5.69	43.85	46.11	NEL R30 11/64 TB	1[illegible]	23
TOWER 2	189.97	373.40							
46		374.95							
47	17.47	382.90	5.79	5.90	43.91	46.08	NEL R30 11/64 TB	17	24
48		389.[illegible]							
49	15.70	398.60	5.89	5.99	43.78	46.04	NEL R30 11/64 TB	20	25
50		406.36							
51	16.61	415.[illegible]	6.39	6.52	43.74	45.98	NEL R30 [illegible] TB	[illegible]	26
52		424.[illegible]							
53	17.02	432.23	6.67	6.75	43.71	45.88	NEL R30 3/16 TB	[illegible]	27
54		440.14							
55	16.67	448.96	6.87	6.94	43.68	45.83	NEL R30 3/16 TB	23	28
56		456.28							
57	16.[illegible]	465.67	6.72	6.74	43.65	45.75	NEL R30 3/16 TB	24	29
								25	30

1960 VALLEY 4271 MODIFIED APRIL 20 1993 MISH 5414

DEALER

INDIAN IRRIGATION INC.
RR 1
INDIAN KANSAS 67545

IRRIGATOR

MILFORD SCHMIDT

TOTAL TARGET GPM	300.00	FRICTION FACTOR USED	140
PIVOT PRESSURE	45.00	TOTAL LENGTH	752.22
ENDGUN TARGET GPM	39.50	NUMBER OF TOWERS	9
NUMBER OF OUTLETS	50	NUMBER OF SPRINKLERS	42
PIPE I.D. OVR LENGTH			
5.790	752.22		

BILLOW R50 REGULATORS - DM PLATES
NO REGULATORS
DROPS AVERAGE 6 FT OF 3/4" PVC PIPE
CAUTION - INADEQUATE DROP CLEARANCE MAY CAUSE DETRIMENTAL WATER PATTERN
ELEVATION IS 0 FT UP AND 0 FT DOWN

OUTLET NO.	LAST OUTLET	DISTANCE TO PIVOT	GPM REQ	GPM DEL.	PIPE PSI	NOZZLE PSI	SPRINKLER LABEL AND NOZZLE SIZE	OPER NO.	RED SIZE	PLUG NO.
1		9.35								
		13.38								1
3		17.40								
4	75.35	35.35	1.08	2.07	44.87	47.45	DEL R50 3.0 FCH	1		3
5		44.47								
6		53.60								4
7	75.84	62.89	1.69	2.07	46.36	47.45	DEL R50 3.0 FCH			5
8		67.40								
9		70.16								6
10	94.05	85.54	1.02	2.07	48.20	47.35	DEL R50 3.0 FCH	2		7
11		94.93								
12		103.32								8
13	85.07	110.61	2.07	2.07	46.61	47.46	DEL R50 3.0 FCH	2		

WARRANTY

WATER APPLICATION UNIFORMITY OBTAINED WITH THIS SYSTEM CAN BE ADVERSELY AFFECTED BY MANY VARIABLES INCLUDING THE IMPROPER MAKEUP OR INSTALLATION OF THE SPRINKLER OR SPRAY NOZZLE PACKAGE, OBSTRUCTED NOZZLES, MAINTAINING INCORRECT PIVOT PRESSURE, UNFAVORABLE CLIMATIC CONDITIONS, LIGHT AND/OR SLOPING SOILS, IMPROPER END GUN ARC SETTINGS, ERRATIC AND IMPROPER OPERATING SPEED OF THE SYSTEM, POOR QUALITY OF WATER WITH ABRASIVES, CORROSIVES, AND/OR SOLIDS WHICH CAN CAUSE PLUGGING AND JAMMING, AS WELL AS INHERENT VARIABLES IN THE MANY COMPONENTS COMPRISING THE SYSTEM. THEREFORE WESTERN IRRIGATION SUPPLY HOUSE, INC., MAKES NO WARRANTY AS TO THE UNIFORMITY OF COVERAGE OBTAINED FROM THIS WATER APPLICATION PRINTOUT OTHER THAN ITS MATHEMATICAL ACCURACY.

IT IS THE RESPONSIBILITY OF THE END USER TO DETERMINE IF ANY INCOMPATIBILITY EXISTS BETWEEN THE WATER DISTRIBUTION DEVICES AND THE CROP, THE SOIL, AND THE PHYSICAL STRUCTURE OF THE MECHANICAL MOVE SYSTEM. WESTERN IRRIGATION SUPPLY HOUSE, INC., THEREFORE, DISCLAIMS ANY LIABILITY FOR DAMAGES DUE TO FAILURE OF THE SYSTEM TO PERFORM AS CONTEMPLATED.

FIGURES PRESENTED ON THIS COMPUTER PRINTOUT ARE BASED ON THE FOLLOWING:

1. DATA FURNISHED TO WESTERN IRRIGATION SUPPLY HOUSE, INC., ON PIPE LENGTH, DIAMETER, SURFACE FINISH, OUTLET SPACINGS, WATER FLOW, PIVOT PRESSURE AND ALL OTHER APPLICABLE INFORMATION.
2. THERE IS 100% WATER APPLICATION EFFICIENCY (ZERO WIND VELOCITY AND NO EVAPORATION).
3. PIVOT PRESSURE IS MEASURED ON THE MAIN HORIZONTAL DISTRIBUTION PIPE JUST AFTER THE LAST ELBOW.
4. MAIN PIPE PRESSUE IS CALCULATED AS IF THE PIPE IS ALWAYS LEVEL.
5. SPRINKLER OR SPRAY NOZZLE BASE PRESSURE MAY BE LESS THAN MAIN LINE PIPE PRESSURE DUE TO THE USE OF PRESSURE REGULATORS. WHERE DROP PIPES ARE USED THE STATIC HEAD IS ADDED TO AND FRICTION LOSS IS SUBTRACTED FROM THE MAIN LINE PIPE PRESSURE TO DETERMINE INLET PSI. REGULATORS ARE CONSIDERED MOUNTED AT THE SAME HEIGHT AS THE SPRINKLING DEVICE.

Feb. 16, 2018
(Date)

Kansas Department of Agriculture
Division of Water Resources
David W. Barfield, Chief Engineer
1320 Research Park Drive
Manhattan, Kansas 66502

Re: Application
File No. _____

Minimum Desirable Streamflow

Dear Sir:

I understand that a Minimum Desirable Streamflow requirement has been established by the legislature for the source of supply to which the above referenced application applies.

I understand that diversion of water pursuant to this application will be subject to regulation any time Minimum Desirable Streamflow requirements are not being met.

I also understand that if this application is approved, there could be times, as determined by the Division of Water Resources, when I would not be allowed to divert water. I realize that this could affect the economics of my decision to appropriate water.

I am aware of the above factors, and with the knowledge thereof, request that the Division of Water Resources proceed with processing and approval, if possible, of the above referenced application.

Milferd L. Schmidt
Signature of Applicant

State of Kansas)
) ss
County of McPherson)

Schmidt Family Trust, c/o Milferd Schmidt, Trustee
(Print Applicant's Name)

I hereby certify that the foregoing instrument was signed in my presence and sworn to before me this 15th day of February, 2018.

RYAN R. CHRISTIANSEN
Notary Public - State of Kansas
My Appt. Expires Sept. 12, 2020

Ryan R. Christiansen
Notary Public

My Commission Expires: Sept. 12, 2020

Water Resources
Received
MAR 07 2018
KS Dept Of Agriculture

DWR 1-100.171 (Revised 03/27/2008)

MINIMUM DESIRABLE STREAMFLOW FORM TO BE USED WHEN APPLICABLE WHEN FILING AN APPLICATION FOR PERMIT TO APPROPRIATE WATER FOR BENEFICIAL USE

The Kansas Legislature has established minimum desirable streamflows for the streams listed below. If your proposed diversion of water is going to be from one of these watercourses or adjacent alluvial aquifers, please complete the back side of this page and submit it along with your application for permit to appropriate water.

Arkansas River
Big Blue River
Chapman Creek
Chikaskia River
Cottonwood River
Delaware River
Little Arkansas River
Little Blue River
Marais des Cygnes River
Medicine Lodge River
Mill Creek (Wabaunsee Co. area)
Neosho River
Ninnescah River
North Fork Ninnescah River
Rattlesnake Creek
Republican River
Saline River
Smoky Hill River
Solomon River
South Fork Ninnescah
Spring River
Walnut River
Whitewater River

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

1 LOCATION OF WATER WELL	Fraction	Section Number	Township Number	Range Number
County: McPherson	NW ¼ SW ¼ SW ¼	11	T 20 S	R 1 W

Distance and direction from nearest town or city? 4mi South & 1mi East of Canton Ks. | Street address of well if located within city?

2 WATER WELL OWNER: Milfred Schmiot
RR#, St. Address, Box # : Rt. 1
City, State, ZIP Code : Canton, Ks.
Board of Agriculture, Division of Water Resources Application Number: 33164

3 DEPTH OF COMPLETED WELL 58 ft. Bore Hole Diameter 30 in. to 58 ft., and ... in. to ... ft.

Well Water to be used as: 1 Domestic 3 Feedlot 5 Public water supply 6 Oil field water supply 7 Lawn and garden only 8 Air conditioning 9 Dewatering 10 Observation well 11 Injection well 12 Other (Specify below) 2 Irrigation 4 Industrial

Well's static water level 10 ft. below land surface measured on 7 month 25 day 80 year

Pump Test Data: Well water was 55 ft. after 2 hours pumping 425 gpm
Est. Yield 400 gpm: Well water was ft. after hours pumping gpm

4 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 ... Clamped X ... Welded ... Threaded ...

Blank casing dia 16 in. to 38 ft., Dia ... in. to ... ft., Dia ... in. to ... ft.

Casing height above land surface 24 in., weight 32 lbs./ft. Wall thickness or gauge No .175 in

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 10 Other (specify) ... 11 None (open hole)

Screen-Perforation Dia 16 in. to 58 ft., Dia ... in. to ... ft., Dia ... in. to ... ft.

Screen-Perforated Intervals: From 38 ft. to 58 ft., From ... ft. to ... ft.
From ... ft. to ... ft., From ... ft. to ... ft.

Gravel Pack Intervals: From 15 ft. to 58 ft., From ... ft. to ... ft.
From ... ft. to ... ft., From ... ft. to ... ft.

5 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other ...

Grouted Intervals: From 3 ft. to 15 ft., From ... ft. to ... ft., From ... ft. to ... ft.

What is the nearest source of possible contamination: 1 Septic tank 2 Sewer lines 3 Lateral lines 4 Cess pool 5 Seepage pit 6 Pit privy 7 Sewage lagoon 8 Feed yard 9 Livestock pens 10 Fuel storage 11 Fertilizer storage 12 Insecticide storage 13 Watertight sewer lines 14 Abandoned water well 15 Oil well/Gas well 16 Other (specify below)

Direction from well South How many feet 500 ? Water Well Disinfected? Yes ... No X

Was a chemical/bacteriological sample submitted to Department? Yes ... No X ... If yes, date sample was submitted ... month ... day ... year: Pump Installed? Yes X ... No ...

If Yes: Pump Manufacturer's name Western Land Roller Model No. 6M HP 40 Volts ...

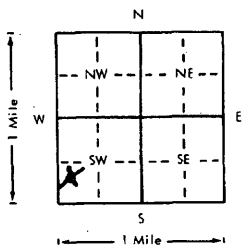
Depth of Pump Intake 55 ft. Pumps Capacity rated at 400 gpm gal./min.

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 7 month 26 day 1980 year and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 138

This Water Well Record was completed on 8 month 26 day 80 year under the business name of Peterson Tr. Inc. by (signature) Mike Peterson

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



ELEVATION:

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
0	4	Top Soil			
4	12	Brown Sandy Clay			
12	16	Gray Sandy Clay			
16	20	Fine Sand			
20	27	Fine Sand with Brown Clay			
27	34	Fine to Medium Sand			
34	36	Brown Sandy Clay			
36	40	Medium Sand & Gravel			
40	41	Brown Clay			
41	57	Medium Sand			
57	58	Green Shale			

Water Resources Received MAR 07 2018 KS Dept Of Agriculture

Depth(s) Groundwater Encountered 1. 16 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.

OFFICE USE ONLY T 20 R 1 W SEC 11 NW ¼ SW ¼ SW ¼

INPUTS		
Target Section Definition		
Section	11	
Township	20	
Range	1	
Range Direction	w	
Target Point Coordinates (*NAD27* or *NAD83*)		
Target Longitude	-97.404280	NAD27
Target Latitude	38.320690	

Load Data and Compute

Instructions
1. Enter values for section, township, range and range direction.
2. Enter ***NAD27*** or ***NAD83*** longitude and latitude of target point.
3. Click "Load Data and Compute" button.
4. Use feet distances corresponding to datum of target point.

Longitude changed
Latitude changed

Water Right No. 33164
well

UTM - NAD27

639495
4242395

1/24/2018

Loaded Section Data
From LEOBASE using *NAD83*

Corner	Corner Latitudes	Corner Longitudes
SW	38.31862808	-97.40837853
NW	38.33307798	-97.40840820
NE	38.33326121	-97.39012761
SE	38.31876521	-97.39012794
Degrees Longitude per Foot		3.48563977E-06
Degrees Latitude per Foot		2.74593753E-06

Target Point Distances from Corners using NAD83

Corner	Feet North(+)/South(-)	Feet East(-)/West(+)
SW	751	-1176
NW	-4511	-1184
NE	-4578	4060
SE	701	4060

Loaded Section Data
From LEOBASE using *NAD27*

Corner	Corner Latitudes	Corner Longitudes
SW	38.31861900	-97.40806600
NW	38.33306900	-97.40809600
NE	38.33325200	-97.38981600
SE	38.31875600	-97.38981600
Degrees Longitude per Foot		3.48563933E-06
Degrees Latitude per Foot		2.74598553E-06

Target Point Distances from Corners using NAD27

Corner	Feet North(+)/South(-)	Feet East(-)/West(+)
SW	754	-1086
NW	-4508	-1095
NE	-4575	4150
SE	704	4150

Difference (NAD83 Minus NAD27)

Corner	Corner Latitudes	Corner Longitudes
SW	0.00000908	-0.00031253
NW	0.00000898	-0.00031220
NE	0.00000921	-0.00031161
SE	0.00000921	-0.00031194

Difference (NAD83 Minus NAD27)

Corner	Feet North(+)/South(-)	Feet East(-)/West(+)
SW	-3.29352126	-89.66202661
NW	-3.34907716	-89.56735138
NE	-3.43400205	-89.39874250
SE	-3.34173592	-89.49341666

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

STATE OF KANSAS

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

March 9, 2018

SCHMIDT FAMILY TRUST

MILFERD SCHMIDT, TRUSTEE
2816 EISENHOWER ROAD
CANTON KS 67428

RE: Application
File No. 50003

Dear Sir or Madam:

Your application for permit to appropriate water in 11-20S-1W in McPherson 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, . . . <u>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</u> 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.

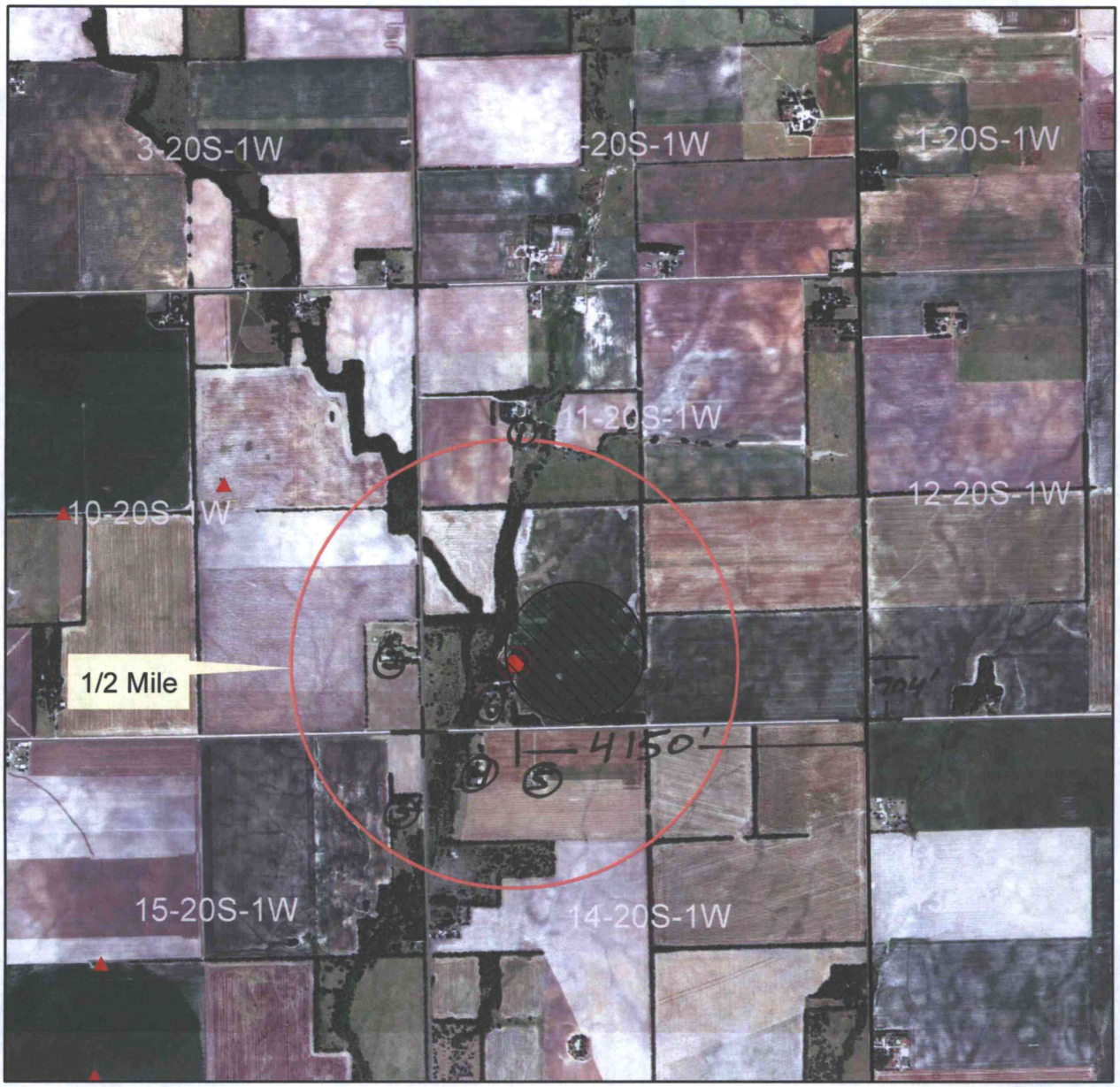
Sincerely,

Kristen A. Baum

Kristen A. Baum
New Applications Unit Supervisor
Water Appropriation Program

BAT: dlw

Application Map - File No. 50003



N

1:24,000

I declare that all water wells or diversion sites using the same source of supply and within 1/2 mile of the proposed point of diversion have been plotted on the application map.

Milford J. Schmidt
Signature

Feb 16, 2018
Date

☒ **New Application**

☐ **Application No. _____ To Change:**

- ☐ Point of Diversion
- ☐ Place of Use
- ☐ Use Made of Water

- ● Proposed Point of Diversion
- ▲ Existing Points of Diversion
- ▨ Proposed Place of Use
- ▨ Authorized Place of Use

Water wells within 1/2 mile of proposed point of diversion include: (type use, owner, address)

1) See Attached list

2)

3)

Water Resources
Received
MAR 07 2018
KS Dept Of Agriculture

Completed By GMD2 Staff
T. Boese - 2/5/2018

50003

Wells Within ½ Mile

1. Domestic Well
   Charles & Teresa Unruh
   1074 28th Avenue
   Canton, KS 67428

2. Domestic Well
   Nelson & Lola Nickel
   1019 28th Avenue
   Canton, KS 67428

3. Domestic Well
   Stacy & Steven Vogts
   1552 27th Avenue
   Canton, KS 67428

4. Domestic Well
   Rodney & Roberta Loucks Rev. Trust
   2811 Eisenhower Road
   Canton, KS 67428

5. Domestic Well
   Dennis & Mary Bitikofer Rev. Trust
   1135 29th Avenue
   Canton, KS 67428

6. Domestic Well
   Applicant