

# 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

File Number 50198  
This item to be completed by the Division of Water Resources.

JAN 16 2019

11:13

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, KS 66502:

1. Name of Applicant (Please Print): PAT PFIZENMAIER

Address: 933 18<sup>TH</sup> RD

City: CLAY CENTER State: KS Zip Code 67432

Telephone Number: (785) 632-0124

2. The source of water is:  surface water in REPUBLICAN RIVER (stream)

OR  groundwater in REPUBLICAN RIVER 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 192 acre-feet OR \_\_\_\_\_ gallons per calendar year, to be diverted at a maximum rate of 2,000 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. <u>1</u>	GMD <u>D</u>	Meets K.A.R. 5-3-1 (YES/NO)	Use <u>RR</u>	Source <u>G/S</u>	County <u>CY</u>	By <u>DAW</u>	Date <u>1/16/19</u>
Code _____	REG <u>REF</u>	Fee \$ <u>300</u>	TR # _____	Receipt Date <u>1/16/19</u>	Check # <u>11283</u>		

1/22/2019 um

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 NW quarter of the NW quarter of the SE quarter of Section 11, more particularly described as being near a point 2,080 feet North and 2,570 feet West of the Southeast corner of said section, in Township 8 South, Range 2 EAST, CLAY 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):

\_\_\_\_\_  
(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 Jan 14, 2019.

Pat Pfizenmaier  
Applicant's Signature

7. The proposed project for diversion of water will consist of ONE PUMP SITE  
(number of wells, pumps or dams, etc.)

and (was)(will be) completed (by) EXISTING  
(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 SPRING 2019  
(Mo/Day/Year)

**IRRIGATION USE  
SUPPLEMENTAL SHEET**

File No. 50198

Name of Applicant (Please Print): PAT PFIZENMAIER

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: PAT PFIZENMAIER

ADDRESS: 933 18<sup>TH</sup> RD, CLAY CENTER, KS 67432

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	8S	2E					40	40	40	40									160

**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	

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Received

**JAN 16 2019**

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
Hobbs	5.4		0.6 to 2 in/hr
Crete	2.2		0.6 to 2 in/hr
Crete	114.8		0.6 to 2 in/hr
Holder	15.8		0.6 to 2 in/hr
Total:		100 %	

0 to 1% slope  
1 to 3% slope

b. Estimate the average land slope in the field(s): 1 %  
 Estimate the maximum land slope in the field(s): 7 %

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

- 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: \_\_\_\_\_
- ii. For sprinkler systems:
- Estimate the operating pressure at the distribution system: 25 psi
  - What is the sprinkler package design rate? 700 gpm
  - What is the wetted diameter (twice the distance the sprinkler throws water) of a sprinkler on the outer 100 feet of the system? 38 feet
  - Please include a copy of the sprinkler package design information.

e. Crop(s) you intend to irrigate. Please note any planned crop rotations:

usually  $\left\langle \begin{array}{l} \text{corn} \\ \text{soybeans} \end{array} \right\rangle$        $\left\langle \begin{array}{l} \text{milo} \\ \text{wheat} \end{array} \right\rangle$  infrequently

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).

water when crop needs supplemented, will water so as not to have much runoff to the best of my ability,

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

Parent

# VALLEY | V-CHART

50198

86198

Valley Dealer

**Republican Valley Irrigation**  
1803 Limestone Rd  
Clay Center, KS 67432  
UNITED STATES

Customer

**MR Pat Pfizenmaier**  
933 18th RD  
Clay Center, KS 67432-7835  
USA

Dealer No.

00000217

Field Name

Chestnut field part circle

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JAN 16 2019  
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Parent Order No.  
Sprinkler Order No. **Pat Pfizenmaier**  
**chestnut part circle**  
Plant **Valley Systems/Parts**

Dealer PO **Chestnut part circle**  
Order Date **01/14/2019**  
Load Date **01/17/2019**  
Method Of Shipment **UPSG**

7 Span Valley Standard Pivot 8000  
Machine Flow 700 (GPM)  
Pivot Pressure 38 (PSI)

50198  
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Parent Order No

Dealer **Republican Valley Irrigation**  
 Customer **MR Pat Pfizenmaier**  
 Field Name **Chestnut field part circle**

Sprinkler Order No


**Pat Pfizenmaier chestnut part circle**

**Valley Standard Pivot 8000 Machine Summary**

Pressure Loss

Pipe Length (ft)	Pipe I.D. (in)	Pipe Finish	C-Factor	Loss (PSI)
1189.4	6.42	Galvanized	150	6.7
Total =				6.7

End Gun(s) & Booster Pump Information



**Primary End Gun**  
**Komet Twin Max End Gun**  
 0.71 Nozzle  
**Berkeley 2 HP Booster Pump**

Water Resources  
Received

JAN 16 2019

KS Dept Of Agriculture

Span Flow

Span Number	Irrigated Length (ft)	Area (Ac)	Rqd (GPM)	Act (GPM)	Rqd (GPM per Acre)	Act (GPM per Acre)	% Deviation
1	179.9	2.4	13.6	18.6	5.71	7.77	36.1
2	180.1	7.1	40.4	40.2	5.71	5.69	-0.4
3	160.0	10.2	58.3	58.5	5.71	5.74	0.4
4	160.0	13.9	79.4	79.4	5.71	5.71	0.1
5	160.0	17.6	100.5	100.6	5.71	5.72	0.1
6	160.0	21.3	121.6	121.6	5.71	5.71	0.0
7	159.8	24.9	142.4	142.1	5.71	5.70	-0.2
O/H	27.4	4.7	27.5	27.8	5.92	5.98	1.0
EG	103.5	18.5	107.6	107.1	5.81	5.78	-0.4
<b>Totals</b>		<b>120.6</b>		<b>695.9</b>			
	<b>Drain Sprinkler</b>		<b>9.3</b>	<b>9.2</b>			
	<b>Total Machine Flow</b>			<b>705.1</b>			

Advanced Options

Drain Sprinkler = Nelson PC - R3000  
 Last Sprinkler Coverage = 1 ft  
 Sprinkler Coverage Length = 1190.4 ft  
 Use Last Coupler= YES  
 Minimum Mainline Pressure = 6 PSI

Shipping Options

Ship Drop Hardware  
 Ship Endgun Nozzle  
 Ship Endgun & Hardware  
 Do not ship Endgun Valve / Nozzle Valve Hardware  
 Do not ship Boosterpump Hardware

Parent Order No

Dealer **Republican Valley Irrigation**

Sprinkler Order No **Pat Pfizenmaier chestnut part**

Customer **MR Pat Pfizenmaier**

**circle**

Field Name **Chestnut field part circle**

**Valley Standard Pivot 8000 Machine Sprinkler Chart**

Cpl No	Dist From Pivot (ft)	Spk No	Dist Last Spk (ft)	Nozzle Size	Color	Spk Model	Wear Pad	Drop Length (in)	Regulator	Line (PSI)	Spk (PSI)	Rqd (GPM)	Act (GPM)
29	258.6			Plug									
30	267.6	14	18.0	4.3	White	TR3000	U6 - White			31.4	31.4	4.4	4.4
31	276.5			Plug									
32	285.5	15	17.9	4.3	White	TR3000	U6 - White			31.0	31.0	4.4	4.4
33	294.5			Plug									
34	303.5	16	18.0	5.0	White	TR3000	U6 - White			30.8	30.8	4.5	4.7
35	312.5			Plug									
36	321.4	17	17.9	5.0	White	TR3000	U6 - White			30.7	30.7	4.8	4.7
37	330.4			Plug									
38	339.4	18	18.0	5.0	White	TR3000	U6 - White			30.6	30.6	5.0	4.7
39	348.4			Plug									
40	357.4	19	18.0	5.5	White	TR3000	U6 - White	12		30.7	30.3	5.3	5.3
	362.1		Tower Number : 2		Span Length(ft) : 180.1								
41	366.7			Plug									
42	375.7	20	18.3	6.0	White	TR3000	U6 - White			30.4	30.4	5.6	5.8
43	384.7			Plug									
44	393.7	21	18.0	6.0	White	TR3000	U6 - White			30.0	30.0	5.8	5.8
45	402.7			Plug									
46	411.2	22	17.5	6.0	White	TR3000	U6 - White			29.6	29.6	5.8	5.8
47	419.6			Plug									
48	428.1	23	16.8	6.0	White	TR3000	U6 - White			29.4	29.4	6.1	5.8
49	436.6			Plug									
50	445.6	24	17.5	7.0	White	TR3000	U6 - White			29.2	29.2	6.5	6.6
51	454.6			Plug									
52	463.6	25	18.0	7.0	White	TR3000	U6 - White			29.2	29.2	6.9	6.6
53	472.6			Plug									
54	481.5	26	17.9	6.0	White	TR3000	U6 - White			29.2	29.2	5.3	5.7
55	490.5	27	9.0	4.0	White	TR3000	U6 - White			29.3	29.3	3.6	3.7
56	499.5	28	9.0	4.0	White	TR3000	U6 - White			29.3	29.3	3.7	3.7
57	508.5	29	9.0	4.0	White	TR3000	U6 - White			29.4	29.4	3.8	3.7
58	517.5	30	9.0	4.3	White	TR3000	U6 - White	12		29.5	29.1	3.9	4.0
	522.1		Tower Number : 3		Span Length(ft) : 160.0								
59	526.8	31	9.3	4.3	White	TR3000	U6 - White	12		29.5	29.0	4.0	4.0

Water Resources Received  
JAN 16 2019

KS Dept Of Agriculture

50198



Parent Order No

Dealer **Republican Valley Irrigation**

Sprinkler Order No **Pat Pfizenmaier chestnut part**

Customer **MR Pat Pfizenmaier**

**circle**

Field Name **Chestnut field part circle**

**Valley Standard Pivot 8000 Machine Sprinkler Chart**

Cpl No	Dist From Pivot (ft)	Spk No	Dist Last Spk (ft)	Nozzle Size	Color	Spk Model	Wear Pad	Drop Length (in)	Regulator	Line (PSI)	Spk (PSI)	Rqd (GPM)	Act (GPM)
60	535.8	32	9.0	4.3	White	TR3000	U6 - White			29.2	29.2	4.0	4.0
61	544.8	33	9.0	4.3	White	TR3000	U6 - White			29.0	29.0	4.0	4.0
62	553.8	34	9.0	4.3	White	TR3000	U6 - White			28.8	28.8	4.0	4.0
63	562.8	35	9.0	4.3	White	TR3000	U6 - White			28.7	28.7	4.0	4.0
64	571.3	36	8.5	4.3	White	TR3000	U6 - White			28.5	28.5	4.0	4.0
65	579.7	37	8.4	4.3	White	TR3000	U6 - White			28.4	28.4	4.0	4.0
66	588.1	38	8.4	4.3	White	TR3000	U6 - White			28.3	28.3	4.1	4.0
67	596.6	39	8.5	5.0	White	TR3000	U6 - White			28.3	28.3	4.3	4.6
68	605.6	40	9.0	5.0	White	TR3000	U6 - White			28.2	28.2	4.5	4.6
69	614.6	41	9.0	5.0	White	TR3000	U6 - White			28.2	28.2	4.6	4.6
70	623.6	42	9.0	5.0	White	TR3000	U6 - White			28.2	28.2	4.6	4.6
71	632.6	43	9.0	5.0	White	TR3000	U6 - White			28.2	28.2	4.7	4.6
72	641.5	44	8.9	5.0	White	TR3000	U6 - White			28.2	28.2	4.7	4.6
73	650.5	45	9.0	5.0	White	TR3000	U6 - White			28.3	28.3	4.8	4.6
74	659.5	46	9.0	5.5	White	TR3000	U6 - White			28.4	28.4	4.9	5.2
75	668.5	47	9.0	5.0	White	TR3000	U6 - White			28.5	28.5	5.0	4.6
76	677.5	48	9.0	5.5	White	TR3000	U6 - White	12		28.6	28.2	5.1	5.2
682.1 Tower Number : 4 Span Length(ft) : 160.0													
77	686.8	49	9.3	5.5	White	TR3000	U6 - White	12		28.6	28.1	5.2	5.2
78	695.8	50	9.0	5.5	White	TR3000	U6 - White			28.3	28.3	5.2	5.2
79	704.8	51	9.0	5.5	White	TR3000	U6 - White			28.1	28.1	5.2	5.2
80	713.8	52	9.0	5.5	White	TR3000	U6 - White			28.0	28.0	5.3	5.2
81	722.8	53	9.0	5.5	White	TR3000	U6 - White			27.8	27.8	5.2	5.2
82	731.3	54	8.5	5.5	White	TR3000	U6 - White			27.7	27.7	5.1	5.2
83	739.7	55	8.4	5.5	White	TR3000	U6 - White			27.6	27.6	5.1	5.2
84	748.1	56	8.4	5.5	White	TR3000	U6 - White			27.5	27.5	5.2	5.2
85	756.6	57	8.5	5.5	White	TR3000	U6 - White			27.4	27.4	5.5	5.2
86	765.6	58	9.0	6.0	White	TR3000	U6 - White			27.4	27.4	5.7	5.7
87	774.6	59	9.0	6.0	White	TR3000	U6 - White			27.4	27.4	5.7	5.7
88	783.6	60	9.0	6.0	White	TR3000	U6 - White			27.4	27.4	5.8	5.7
89	792.6	61	9.0	6.0	White	TR3000	U6 - White			27.4	27.4	5.8	5.7
90	801.5	62	8.9	6.0	White	TR3000	U6 - White			27.5	27.5	5.9	5.7
91	810.5	63	9.0	7.0	White	TR3000	U6 - White			27.6	27.6	6.0	6.6

Water Resources Received  
JAN 16 2019  
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50198

Parent Order No

Dealer **Republican Valley Irrigation**

Sprinkler Order No **Pat Pfizenmaier chestnut part**

Customer **MR Pat Pfizenmaier**

**circle**

Field Name **Chestnut field part circle**

**Valley Standard Pivot 8000 Machine Sprinkler Chart**

50198

Cpl No	Dist From Pivot (ft)	Spk No	Dist Last Spk (ft)	Nozzle Size	Color	Spk Model	Wear Pad	Drop Length (in)	Regulator	Line (PSI)	Spk (PSI)	Rqd (GPM)	Act (GPM)
92	819.5	<b>64</b>	9.0	7.0	White	TR3000	U6 - White			27.7	27.7	6.1	6.6
93	828.5	<b>65</b>	9.0	6.0	White	TR3000	U6 - White			27.8	27.8	6.1	5.7
94	837.5	<b>66</b>	9.0	7.0	White	TR3000	U6 - White	12		27.9	27.5	6.3	6.5
842.2		Tower Number : 5		Span Length(ft) : 160.0									
95	846.8	<b>67</b>	9.3	7.0	White	TR3000	U6 - White	12		27.9	27.4	6.4	5.5
96	855.8	<b>68</b>	9.0	7.0	White	TR3000	U6 - White			27.7	27.7	6.3	6.6
97	864.8	<b>69</b>	9.0	7.0	White	TR3000	U6 - White			27.5	27.5	6.4	6.6
98	873.8	<b>70</b>	9.0	7.0	White	TR3000	U6 - White			27.4	27.4	6.5	6.5
99	882.8	<b>71</b>	9.0	6.0	White	TR3000	U6 - White			27.2	27.2	6.4	6.6
100	891.3	<b>72</b>	8.5	7.0	White	TR3000	U6 - White			27.1	27.1	6.2	6.5
101	899.8	<b>73</b>	8.4	6.0	White	TR3000	U6 - White			27.0	27.0	6.2	5.6
102	908.2	<b>74</b>	8.4	7.0	White	TR3000	U6 - White			27.0	27.0	6.3	6.5
103	916.7	<b>75</b>	8.5	7.0	White	TR3000	U6 - White			26.9	26.9	6.6	6.5
104	925.7	<b>76</b>	9.0	7.0	White	TR3000	U6 - White			26.9	26.9	6.9	6.5
105	934.7	<b>77</b>	9.0	8.0	White	TR3000	U6 - White			26.9	26.9	6.9	7.5
106	943.7	<b>78</b>	9.0	7.0	White	TR3000	U6 - White			26.9	26.9	7.0	6.5
107	952.7	<b>79</b>	9.0	8.0	White	TR3000	U6 - White			27.0	27.0	7.0	7.5
108	961.6	<b>80</b>	8.9	8.0	White	TR3000	U6 - White			27.0	27.0	7.1	7.5
109	970.6	<b>81</b>	9.0	7.0	White	TR3000	U6 - White			27.1	27.1	7.2	6.5
110	979.6	<b>82</b>	9.0	8.0	White	TR3000	U6 - White			27.2	27.2	7.3	7.5
111	988.6	<b>83</b>	9.0	8.0	White	TR3000	U6 - White			27.4	27.4	7.3	7.5
112	997.6	<b>84</b>	9.0	8.0	White	TR3000	U6 - White	12		27.5	27.1	7.5	7.5
1002.2		Tower Number : 6		Span Length(ft) : 160.0									
113	1006.9	<b>85</b>	9.3	8.0	White	TR3000	U6 - White	12		27.5	27.0	7.6	7.5
114	1015.9	<b>86</b>	9.0	8.0	White	TR3000	U6 - White			27.3	27.3	7.5	7.5
115	1024.9	<b>87</b>	9.0	8.0	White	TR3000	U6 - White			27.2	27.2	7.6	7.5
116	1033.9	<b>88</b>	9.0	8.0	White	TR3000	U6 - White			27.0	27.0	7.7	7.5
117	1042.9	<b>89</b>	9.0	8.0	White	TR3000	U6 - White			26.9	26.9	7.5	7.5
118	1051.4	<b>90</b>	8.5	8.0	White	TR3000	U6 - White			26.8	26.8	7.3	7.5
119	1059.8	<b>91</b>	8.4	8.0	White	TR3000	U6 - White			26.7	26.7	7.3	7.5
120	1068.2	<b>92</b>	8.4	8.0	White	TR3000	U6 - White			26.7	26.7	7.4	7.5
121	1076.7	<b>93</b>	8.5	9.0	White	TR3000	U6 - White			26.6	26.6	7.8	8.0
122	1085.7	<b>94</b>	9.0	9.0	White	TR3000	U6 - White			26.6	26.6	8.0	8.0

Water Resources

REC'D JAN 16 2019

KS Dept Of Agriculture

Parent Order No

Dealer **Republican Valley Irrigation**

Sprinkler Order No **Pat Pfizenmaier chestnut part**

Customer **MR Pat Pfizenmaier**

**circle**

Field Name **Chestnut field part circle**

**Valley Standard Pivot 8000 Machine Sprinkler Chart**

50198

Cpl No	Dist From Pivot (ft)	Spk No	Dist Last Spk (ft)	Nozzle Size	Color	Spk Model	Wear Pad	Drop Length (in)	Regulator	Line (PSI)	Spk (PSI)	Rqd (GPM)	Act (GPM)
123	1094.7	95	9.0	9.0	White	TR3000	U6 - White			26.6	26.6	8.1	8.0
124	1103.7	96	9.0	9.0	White	TR3000	U6 - White			26.7	26.7	8.2	8.0
125	1112.7	97	9.0	10.0	White	TR3000	U6 - White			26.7	26.7	8.2	8.6
126	1121.6	98	8.9	9.0	White	TR3000	U6 - White			26.8	26.8	8.3	8.0
127	1130.6	99	9.0	10.0	White	TR3000	U6 - White			26.9	26.9	8.4	8.6
128	1139.6	100	9.0	10.0	White	TR3000	U6 - White			27.0	27.0	8.4	8.6
129	1148.6	101	9.0	10.0	White	TR3000	U6 - White	48		27.2	25.2	8.5	8.3
130	1157.6	102	9.0	4.3	White	TR3000	U6 - White	48		27.4	25.4	8.6	8.4
		102		5.0	White	TR3000	U6 - White						
131	1161.4			B.P.									
	1162.0			Tower Number : 7		Span Length(ft) : 159.8							
132	1166.6	103	9.0	5.0	White	TR3000	U6 - White	48		27.4	25.4	9.9	9.9
		103		5.0	White	TR3000	U6 - White						
133	1175.7	104	9.1	5.0	White	TR3000	U6 - White	48		27.2	25.2	9.9	9.9
		104		5.0	White	TR3000	U6 - White						
134	1184.9	105	9.2	5.0	White	TR3000	U6 - White			27.1	27.1	9.9	9.7
		105		5.5	White	TR3000	U6 - White						

**Sprinkler : Nelson Rotator**

135	1188.4	106		32	Orange	PC - R3000	MidFlo - Tan			26.8	26.8	9.3	9.2
	1189.4			Overhang		Span Length(ft) : 27.4							

**Sprinkler : Komet Endgun**



136	1189.4	107		0.71		Twin Max				26.8	55.5	107.6	107.1
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Primary Endgun Arc Settings: Forward Angle: **45** Reverse Angle: **80**

705.2

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JAN 16 2019

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Dealer **Republican Valley Irrigation**  
 Customer **MR Pat Pfizenmaier**  
 Field Name **Chestnut field part circle**



Sprinkler Order No **Pat Pfizenmaier chestnut part circle**  
 Parent Order No

**Valley Standard Pivot 8000 Percent Timer Data**

**Setup Information - Valley Computer Control Panel Water Application Constants: Minimum Application = 0.218 (in) Hours Per Revolution = 17.0**

50198

**Based on IN**

IN Per 360 degrees	Pivot % Timer	Hours Per 360 degrees
0.218	100.0	17.0
0.30	72.7	23.4
0.40	54.5	31.2
0.50	43.6	39.0
0.60	36.3	46.8
0.70	31.2	54.5
0.80	27.3	62.3
0.90	24.2	70.2
1.00	21.8	78.0
1.25	17.4	97.7
1.50	14.5	117.2
1.75	12.5	136.0
2.00	10.9	156.0
2.50	8.7	195.4
3.00	7.3	232.9
3.50	6.2	274.2
4.00	5.5	309.1

**Based on % Timer**

Pivot % Timer	IN Per 360 degrees	Hours Per 360 degrees
100.0	0.218	17.0
90.0	0.24	18.9
80.0	0.27	21.3
70.0	0.31	24.3
60.0	0.36	28.3
50.0	0.44	34.0
45.0	0.48	37.8
40.0	0.55	42.5
35.0	0.62	48.6
30.0	0.73	56.7
25.0	0.87	68.0
20.0	1.09	85.0
17.5	1.25	97.1
15.0	1.45	113.3
12.5	1.74	136.0
10.0	2.18	170.0
7.5	2.91	226.7
5.0	4.36	340.0

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JAN 16 2019

KS Dept Of Agriculture

**Field Area**

**120.6** (Ac) Total  
**102.0** (Ac) Pivot 360°  
**18.5** (Ac) EG on 100%  
**1189.4** (ft) Machine Length  
**103.5** (ft) End Gun Radius

**Flow**

**700** (GPM)  
**5.81** (GPM per Acre)  
**0.31** (in per day) App Rate  
**0.218** (in) App Depth @ 100%  
**107.1** (GPM) End Gun

**Pressure**

**38** (PSI) Pivot Pressure  
**Calculated** Pressure  
**10** (ft) Highest Elevation  
**20** (ft) Lowest Elevation

**LRDU Drive Train**

**34** RPM Center Drive @ **60** Hz freq.  
**11R x 22.5 Radial Retread** Tire  
**52:1** Wheel GB Ratio, LRDU Dist **1162.0** (ft)  
**17.0** Hrs/360 @ 100% (**7.18**) (Ft per Min)

**Disclaimer**

The information presented in the attached Percent Timer Report is based on variables which cannot be totally controlled by Valmont (including, but not limited to; pivot pressure, inside pipeline surface, end gun throw, end gun arc setting, tire slippage, tire pressure, field slopes, soil variations, sprinkler package installation, well capacity, center drive motor voltage, center drive motor frequency, climatic conditions and other elements and circumstances beyond Valmont's reasonable control). Valmont recommends monitoring the machine for at least one pass through field to obtain an accurate rotation time.

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

STATE OF KANSAS



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

50198  
PHONE: (785) 296-5733  
FAX: (785) 296-8298  
www.agriculture.ks.gov

January 7, 2019

PAT PFIZENMAIER  
933 18TH RD  
CLAY CENTER KS 67432

RE: New Application

Dear Mr. Pfizenmaier:

Water Resources  
Received

JAN 16 2019

KS Dept Of Agriculture

Enclosed is a new application for irrigation of the Northwest Quarter of Section 15, Township 8 South, Range 2 East, Clay County. The point of diversion is an existing pump site currently authorized under File Nos. 46,836; 47,823; and 49,154. Please review the "Application For Permit To Appropriate Water For Beneficial Use" form, and make any modifications you wish. The new application must be **signed at both Paragraph Nos. 6 and 16**. For the requested quantity of 192 acre-feet the filing fee would be **\$300**. In addition, please review the attached landowner listing and sign the site map where indicated. Finally please sign and notarize the attached Minimum Desirable Streamflow form.

Please submit the application and filing fee to the **Kansas Department of Agriculture, Division of Water Resources, 1320 Research Park Drive, Manhattan, KS 66502**.

You may contact the Topeka Field Office at (785) 296-5733, or myself at (785) 296-3495, for any additional assistance in completing this application form.

Sincerely,

Douglas Schemm  
Environmental Scientist  
Topeka Field Office

Enclosures

50198

Nearby Landowners

New Application - Pfizenmaier

**Upstream**

- 1. RANDY J & ZITA M MILLIGAN  
1369 14TH RD  
CLAY CENTER KS 67432 7877
- 2. LORENZE KARMANN TRUST  
1821 5TH ST  
CLAY CENTER KS 67432 1718
- 3. EARL J & KATHY L JOHNSON  
1158 18TH RD  
CLAY CENTER KS 67432 8103

**Downstream**

- 2. LORENZE KARMANN TRUST  
1821 5TH ST  
CLAY CENTER KS 67432 1718
- 4. ELSIE D MUGLER  
PO BOX 154  
703 ARTHUR ST  
CLAY CENTER KS 67432 1820

deceased Connie Paronto

All landowners 1/2 mile upstream and downstream of the applicant's property line are listed above.

Pat Pfizenmaier  
Signature

Jan 14, 2019  
Date

Water Resources  
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JAN 16 2019  
KS Dept Of Agriculture

WATER RESOURCES  
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SEP 02 2014  
KS DEPT OF AGRICULTURE

(Date)

Kansas Department of Agriculture  
Division of Water Resources  
David W. Barfield, Chief Engineer  
1320 Research Park Drive  
Manhattan, Kansas 66619

Re: Application File No. 50198

**Minimum Desirable Streamflow**  
**Republican River**

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.

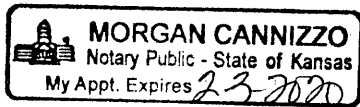
I am aware of the above factors, and with the knowledge thereof, request that the Division of Water Resources proceed with processing and approval, if possible, of the above referenced application.

Pat Pfliegermaier  
Signature of Applicant

Pat Pfliegermaier  
(Print Applicant's Name)

State of Kansas )  
County of Clay ) ss

I hereby certify that the foregoing instrument was signed in my presence and sworn to before me this 14 day of January, 2019.



Morgan Cannizzo  
Notary Public

My Commission Expires: 2-3-2020

Water Resources  
Received

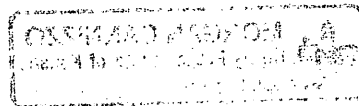
JAN 16 2019

**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





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 \_\_\_\_\_

• 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.

FILE NOS. 46,836; 47,823; AND 49,154 OVERLAP IN POINT OF DIVERSION.

NO OVERLAP IN PLACE OF USE.

Water Resources  
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JAN 16 2019

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 (Contract Purchaser).  
(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):

APPLICANT is Contract Purchaser of the place of use.  
(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 Clay Center, Kansas, this 14 day of January, 2019.  
(month) (year)

Pat Pfeiffermaier  
(Applicant Signature)

509-549286  
APPLICANT(S) SOCIAL SECURITY IDENTIFICATION NUMBER(S)

By \_\_\_\_\_  
(Agent or Officer Signature)

and/or  
APPLICANT(S) TAXPAYER I.D. NO.(S)

\_\_\_\_\_  
(Agent or Officer - Please Print)

1320 Research Park Drive  
Manhattan, KS 66502  
785-564-6700  
www. agriculture.ks.gov



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

Mike Beam, Interim Secretary

Laura Kelly, Governor

January 18, 2019

PAT PFIZENMAIER  
933 18TH RD  
CLAY CENTER, KS 67432

RE: Application, File No. **50198**

Dear Sir or Madam:

The Division of Water Resources (Division) has received your application for a permit to appropriate water for beneficial use. Your application has been assigned the file number referenced above. Please be aware that the Division may have a large number of pending applications on hand at times and makes every attempt to process them in the order in which they are received. You will be contacted if additional information is required.

Please note, this letter only acknowledges receipt of your application and does not guarantee approval. In accordance with the provisions of the Kansas Water Appropriation Act, the use of water as proposed prior to approval of the application is unlawful.

Additional information about the process may be found on our website at [agriculture.ks.gov/divisions-programs/dwr](http://agriculture.ks.gov/divisions-programs/dwr). If you have any other questions, please contact our office at 785-564-6640 or your local Topeka Field Office at 785-296-5733. If you call, please reference the file number so we can help you more efficiently.

Sincerely,

A handwritten signature in cursive script that reads "Kristen A. Baum".

Kristen A. Baum  
New Applications Unit Supervisor  
Water Appropriation Program

50198

# 1:24,000 PAT PFIZENMAIER - NEW APPLICATION



Proposed Point of Diversion  
 Pump Site - 2,080' N & 2,570' W  
 (Authorized under File Nos. 46,836; 47,823; & 49,154)

Southeast Corner of Section 15  
 Township 8 South  
 Range 2 East

Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community, Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



Proposed Place of Use



Proposed Point of Diversion

**Water Resources Received**

**JAN 16 2019**

All upstream and downstream landowners adjacent to the stream within 1/2 mile of the property lines have been identified.

*Pat Pfizenmaier*