

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.



Water Resources Received
SEP 14 2020 12:44
KS Dept Of Agriculture

KANSAS DEPARTMENT OF AGRICULTURE
Mike Beam, Secretary of Agriculture

DIVISION OF WATER RESOURCES
David W. Barfield, Chief Engineer

File Number **50445**
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): Brian E & Rachel Priest
Address: 7497 192nd Rd
City: Winfield State KS Zip Code 67156
Telephone Number: (620) 222-1928

2. The source of water is: surface water in _____ (stream)
OR groundwater in Arkansas 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 90 acre-feet OR --- gallons per calendar year, to be diverted at a maximum rate of 200 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 - Meets K.A.R. 5-3-1 (YES/NO) Use IRR Source G / S County CL By KJN Date 9/14/2020
Code REA Fee \$ 200.00 TR # _____ Receipt Date 9/14/2020 Check # 3784

9/16/2020
LMoody

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 SE quarter of the NE quarter of Section 22, more particularly described as being near a point 3,750 feet North and 120 feet West of the Southeast corner of said section, in Township 33 South, Range 3 EAST, COWLEY 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):

BARBARA J PRIEST, 22337 41ST RD, WINFIELD KS 67156
(name, address and telephone number)

(name, address and telephone number)

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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 Sept. 11, 2020. Brian E. Priest
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 and diversion works
(number of wells, pumps or dams, etc.)

and was completed (by) 1/31/1980
(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 1980
(Mo/Day/Year)

- 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 No. 33193 currently authorizes this well. If this application for a permit to proceed is approved, a change in point of diversion applied for under File No. 33193 will move all of the rate and quantity to the two northern wells. This southernmost point of diversion would then only be authorized by the new application. It is understood that there will be a place of use limitation of 90 AF when combined with File No. 33193 on the authorized place of use.

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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	<u>5/5/1967</u>	_____	_____	_____
Total depth of well	<u>33'</u>	_____	_____	_____
Depth to water bearing formation	<u>21'</u>	_____	_____	_____
Depth to static water level	<u>21'</u>	_____	_____	_____
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

Tenant
(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):

BARBARA J PRIEST, 22337 41ST RD, WINFIELD KS 67156
(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 Winfield, Kansas, this 11 day of September, 2020.
(month) (year)

Brian E. Priest
(Applicant Signature)

By _____
(Agent or Officer Signature)

(Agent or Officer - Please Print)

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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

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IRRIGATION USE SUPPLEMENTAL SHEET

File No. _____

Name of Applicant (Please Print): Brian & Rachel Priest

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: BARBARA J PRIEST

ADDRESS: 22337 41ST RD, WINFIELD KS 67156

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
22	33	3E	38			37													75

It should be noted that this place of use is proposed to be a complete overlap with File No. 33193. However, a review of the authorized place of use determined that the original application map for File No. 33193 covers the above described 75 acres. File No. 33193 describes 71 acres. If this modified acreage is confirmed, a correctional order should be issued under Water Right, File No. 33193 to adjust the described acres.

Landowner of Record NAME: _____

ADDRESS: _____

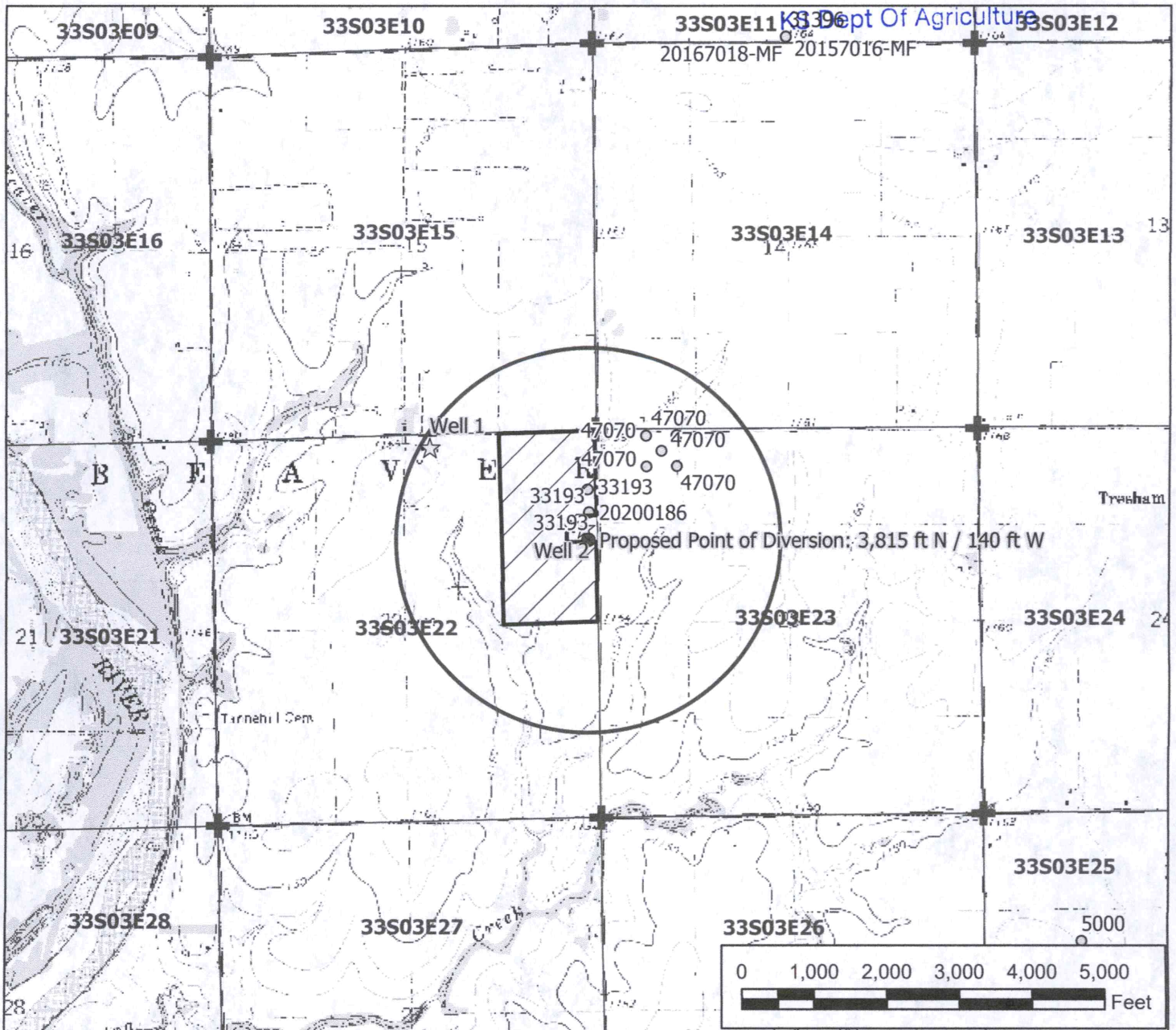
S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	

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Legend

- Water Appropriation
- Proposed Point of Diversion
- ☆ Domestic Well
- ⊕ Section Corner
- Section Line
- Half Mile Circle
- ▨ Propose Place of Use

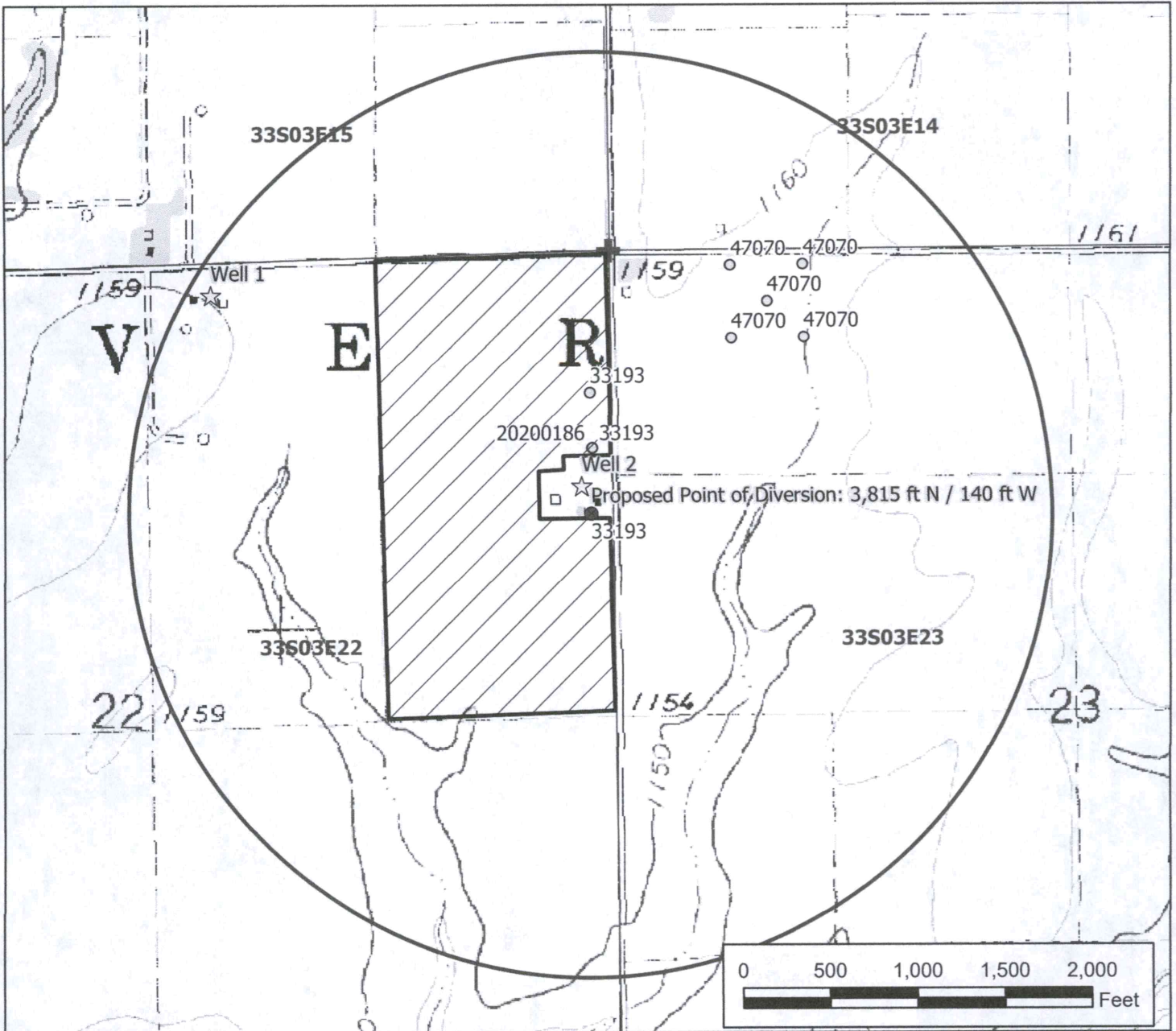
File No. _____

**Permit to Proceed Application Map
22-33-3E // Cowley County**



To the best of my knowledge, all wells within one-half mile of the proposed points of diversion have been shown.

Barbara J. West 9-11-2020
Signature / Date 7/28/2020 EKF/SFFO 1:24,000 scale



Legend

- Water Appropriation
- Proposed Point of Diversion
- ☆ Domestic Well
- ⊕ Section Corner
- Section Line
- Half Mile Circle
- ▨ Propose Place of Use

File No. _____

**Permit to Proceed Application Map 2
22-33-3E // Cowley County**



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7/28/2020 EKF/SFFO 1:24,000 scale

Permit to Proceed, File No. _____ Application Nearby Well Owners

Domestic Well 1

Barbara J Priest, 22337 41st Rd, Winfield KS 67156

Domestic Well 2

Barbara J Priest, 22337 41st Rd, Winfield KS 67156

Water Right, File No. 33193

Barbara J Priest, 22337 41st Rd, Winfield KS 67156

Water Right, File No. 47070

Barbara J Priest, 22337 41st Rd, Winfield KS 67156

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September 11, 2020
(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.

Brian E. Priest
Signature of Applicant

Brian E. Priest
(Print Applicant's Name)

State of Kansas)
County of Crowley) ss
)

I hereby certify that the foregoing instrument was signed in my presence and sworn to before me this 11th day of September, 2020.


LACEY L. WARE
Notary Public - State of Kansas
My Appt. Expires 3-25-22

Lacey L. Ware
Notary Public

My Commission Expires:
3-25-22

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**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

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VALLEY | V-CHART

Valley Dealer

INMAN IRRIGATION
892 Arapaho Rd
Inman, KS 67546
UNITED STATES

Customer

LESTER PRIEST
22337 41ST RD
WINFIELD, KS 67156-7347
USA

Dealer No.

00003440

Field Name

PRIEST #2

Parent Order No.
Sprinkler Order No. **PRIEST, LESTER #2**

Plant **Valley Systems/Parts**

Dealer PO
Order Date **09/11/2020**
Load Date **09/16/2020**
Method Of Shipment **UPSG**

4 Span Valley Standard Pivot 7000
Machine Flow 175 (GPM)
Pivot Pressure 40 (PSI)

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Parent Order No

Dealer **INMAN IRRIGATION**
 Customer **LESTER PRIEST**
 Field Name **PRIEST #2**

Sprinkler Order No **PRIEST, LESTER #2**

Valley Standard Pivot 7000 Machine Summary

Span and Overhang

Model	Qty	Length (ft)	Pipe O.D. (in)	Coupler Spacing (in)	D. U. Qty	Profile	Tire
7000	3	160.0	6 5/8	108	18	Standard	11R x 24.5 Radial Ret
7000	1	140.0	6 5/8	108	16	Standard	11R x 24.5 Radial Ret
7000	1	27.0	6 5/8	110	4		

Field Area

35.0 (Ac) Total
30.3 (Ac) Pivot 360°
4.7 (Ac) EG on 100%
648.0 (ft) Machine Length
48.5 (ft) End Gun Radius

Flow

175 (GPM)
5.00 (GPM per Acre)
0.27 (in per day) App Rate
0.101 (in) App Depth @ 100%
25.5 (GPM) End Gun

Messages

Caution: None
Dealer: None


Pressure

40 (PSI) Pivot Pressure
Inlet Pressure
0.0 (ft) Highest Elevation
0.0 (ft) Lowest Elevation


LRDU Drive Train

34 RPM Center Drive @ 60 Hz freq.
11R x 24.5 Radial Retread Tire
52:1 Wheel GB Ratio, LRDU Dist 620.6 (ft)
9.1 Hrs/360° @ 100% 7.18 (Ft per Min)
9.1 Hrs/360° @ 100%

Sprinkler -- Available Outlets

Sprinkler Configuration	Range (ft)	Outlets	
Geist U-Pipe 6(in) PVC 3/4 M NPT x 3/4 F NPT	20,70,1		
Geist PVC Drop Variable Length 84(in) Ground Clr	73,74		
Nelson R3000 D4 - Green 3/4 M NPT ASSY			

Sprinkler -- Available Outlets

Sprinkler Configuration	Range (ft)	Outlets	
Geist U-Pipe 6(in) PVC 3/4 M NPT x 3/4 F NPT	4,18,1		
Geist PVC Drop Variable Length 84(in) Ground Clr			
Nelson Regulator Blue Acme 15(PSI) 3/4 F NPT			
Nelson A3000 D4 - Maroon 3/4 F Acme ASSY			

Parent Order No

Dealer **INMAN IRRIGATION**

Sprinkler Order No **PRIEST, LESTER #2**

Customer **LESTER PRIEST**

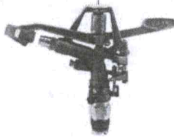
Field Name **PRIEST #2**

Valley Standard Pivot 7000 Machine Summary

Pressure Loss

Pipe Length (ft)	Pipe I.D. (in)	Pipe Finish	C-Factor	Loss (PSI)
648.0	6.42	Galvanized	150	0.6
Total =				0.6

End Gun(s) & Booster Pump Information



Primary End Gun
Nelson P85 End Gun
 3/8 Nozzle
 Booster Pump

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Span Flow

Span Number	Irrigated Length (ft)	Area (Ac)	Rqd (GPM)	Act (GPM)	Rqd (GPM per Acre)	Act (GPM per Acre)	% Deviation
1	136.1	1.8	8.7	9.2	4.78	5.06	5.8
2	160.0	5.6	26.6	26.7	4.78	4.80	0.3
3	160.0	9.3	44.3	44.0	4.78	4.76	-0.5
4	139.7	11.1	53.1	53.4	4.78	4.81	0.6
O/H	27.4	2.5	12.4	12.4	4.96	4.93	-0.7
EG	48.5	4.7	23.5	25.5	5.00	5.43	8.6
Totals		35		171.2			
	Drain Sprinkler		4.1	4.4			
	Total Machine Flow			175.6			

Advanced Options

Drain Sprinkler = Senninger Directional
 Last Sprinkler Coverage = 1 ft
 Sprinkler Coverage Length = 649 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 **INMAN IRRIGATION**

Sprinkler Order No **PRIEST, LESTER #2**

Customer **LESTER PRIEST**

Field Name **PRIEST #2**

Valley Standard Pivot 7000 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)
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1	5.4			Gauge						40.0			
2	14.4			Plug									
3	23.4			Plug									

Sprinkler : Nelson Accelerator Assembly



4	32.4	1		10	Beige	A3000	D4 - Maroon	84	Blue Acme 15L	39.4	16.8	0.4	0.7
5	41.4			Plug									
6	49.9	2	17.5	10	Beige	A3000	D4 - Maroon	96	Blue Acme 15L	39.2	16.7	0.6	0.7
7	58.3			Plug									
8	66.8	3	16.8	11	Beige/Gold	A3000	D4 - Maroon	96	Blue Acme 15L	39.0	16.7	0.8	0.8
9	75.3			Plug									
10	84.3	4	17.5	12	Gold	A3000	D4 - Maroon	96	Blue Acme 15L	39.0	16.6	1.0	1.0
11	93.3			Plug									
12	102.3	5	18.0	14	Lime	A3000	D4 - Maroon	96	Blue Acme 15L	39.1	16.5	1.3	1.4
13	111.3			Plug									
14	120.2	6	17.9	14	Lime	A3000	D4 - Maroon	90	Blue Acme 15L	39.2	16.5	1.5	1.4
15	129.2			Plug									
16	138.2	7	18.0	16	Lavender	A3000	D4 - Maroon	84	Blue Acme 15L	39.5	16.4	1.7	1.8
17	147.2			Plug									
18	156.2	8	18.0	17	Lavender/Gray	A3000	D4 - Maroon	72	Blue Acme 15L	39.9	16.3	2.0	2.0
	160.8												

Tower Number : 1 Span Length(ft) : 159.8

19	165.5			Plug									
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Sprinkler : Nelson Rotator Assembly



20	174.5	9	18.3	16	Lavender	R3000	D4 - Green	84		39.6	42.7	2.2	2.9
21	183.5			Plug									
22	192.5	10	18.0	16	Lavender	R3000	D4 - Green	90		39.3	42.6	2.4	2.9
23	201.5			Plug									
24	210.0	11	17.5	16	Lavender	R3000	D4 - Green	96		39.1	42.6	2.5	2.9
25	218.4			Plug									

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Valley Standard Pivot 7000 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)	
26	226.8	12	16.8	16	Lavender	R3000	D4 - Green	102	Water Resources Received SEP 14 2020 KS Dept Of Agriculture	38.9	42.6	2.7	2.9	
27	235.3			Plug										
28	244.3	13	17.5	16	Lavender	R3000	D4 - Green	102			38.9	42.6	3.0	2.9
29	253.3			Plug										
30	262.3	14	18.0	16	Lavender	R3000	D4 - Green	102			38.9	42.6	3.2	2.9
31	271.3			Plug										
32	280.2	15	17.9	16	Lavender	R3000	D4 - Green	96			39.1	42.6	3.5	2.9
33	289.2			Plug										
34	298.2	16	18.0	17	Lavender/Gray	R3000	D4 - Green	84			39.4	42.4	3.7	3.2
35	307.2			Plug										
36	316.2	17	18.0	18	Gray	R3000	D4 - Green	78		39.8	42.5	4.0	3.6	
	320.9				Tower Number : 2 Span Length(ft) : 160.0									
37	325.5			Plug										
38	334.5	18	18.3	19	Gray/Turquoise	R3000	D4 - Green	84		39.6	42.5	4.2	4.1	
39	343.5			Plug										
40	352.5	19	18.0	20	Turquoise	R3000	D4 - Green	90		39.2	42.3	4.3	4.5	
41	361.5			Plug										
42	370.0	20	17.5	20	Turquoise	R3000	D4 - Green	96		39.0	42.3	4.4	4.5	
43	378.4			Plug										
44	386.8	21	16.8	20	Turquoise	R3000	D4 - Green	102		38.9	42.4	4.6	4.5	
45	395.3			Plug										
46	404.3	22	17.5	21	Turq/Yellow	R3000	D4 - Green	102		38.8	42.3	5.0	4.9	
47	413.3			Plug										
48	422.3	23	18.0	22	Yellow	R3000	D4 - Green	102		38.9	42.3	5.2	5.4	
49	431.3			Plug										
50	440.2	24	17.9	22	Yellow	R3000	D4 - Green	96		39.1	42.3	5.5	5.4	
51	449.2			Plug										
52	458.2	25	18.0	22	Yellow	R3000	D4 - Green	84		39.3	42.1	5.7	5.4	
53	467.2			Plug										
54	476.2	26	18.0	23	Yellow/Red	R3000	D4 - Green	78		39.7	42.3	6.0	5.9	
	480.9				Tower Number : 3 Span Length(ft) : 160.0									
55	485.6			Plug										
56	494.6	27	18.3	24	Red	R3000	D4 - Green	84		39.5	42.2	6.2	6.5	

Valley Standard Pivot 7000 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)
57	503.6			Plug									
58	512.6	28	18.0	24	Red	R3000	D4 - Green	90		39.2	42.1	6.3	6.5
59	521.6			Plug									
60	530.1	29	17.5	23	Yellow/Red	R3000	D4 - Green	96		39.0	42.1	6.3	5.9
61	538.5			Plug									
62	546.9	30	16.8	24	Red	R3000	D4 - Green	96		38.9	42.0	6.3	6.5
63	554.9			Plug									
64	563.3	31	16.4	24	Red	R3000	D4 - Green	96		38.9	42.0	6.5	6.5
65	571.7			Plug									
66	580.2	32	16.9	25	Red/White	R3000	D4 - Green	96		39.0	42.1	7.0	7.0
67	589.2			Plug									
68	598.2	33	18.0	26	White	R3000	D4 - Green	84		39.3	41.9	7.4	7.6
69	607.2			Plug									
70	616.2	34	18.0	26	White	R3000	D4 - Green	78		39.7	42.0	7.7	7.6
71	620.0			B.P.									
	620.6			Tower Number : 4		Span Length(ft) : 139.7							
72	625.2			Plug									
73	634.3	35	18.1	23	Yellow/Red	R3000	D4 - Green	78		39.6	42.2	5.9	5.9
74	643.5	36	9.2	20	Turquoise	R3000	D4 - Green	84		39.4	42.3	4.5	4.5
				Sprinkler : Senninger Spray									
75	647.0	37		10	Turquoise	Directional				39.4	39.4	4.1	4.4
	648.0			Overhang	Span Length(ft) : 27.4								
				Sprinkler : Nelson Endgun									
76	648.0	38		3/8		P85				39.4	39.3	23.5	25.5

Water Resources Received
SEP 14 2020
 KS Dept Of Agriculture

Primary Endgun Arc Settings: Forward Angle: **45** Reverse Angle: **80**

175.6

Dealer **INMAN IRRIGATION**
 Customer **LESTER PRIEST**
 Field Name **PRIEST #2**



Sprinkler Order No **PRIEST, LESTER #2**

Parent Order No

Valley Standard Pivot 7000 Percent Timer Data

Setup Information - Valley Computer Control Panel Water Application Constants: Minimum Application = 0.101 (in) Hours/360° = 9.1

Based on IN		
IN Per 360 degrees	Pivot % Timer	Hours Per 360 degrees
0.101	100.0	9.1
0.20	50.3	18.1
0.30	33.5	27.2
0.40	25.1	36.3
0.50	20.1	45.3
0.60	16.8	54.2
0.70	14.4	63.2
0.80	12.6	72.2
0.90	11.2	81.3
1.00	10.1	90.1
1.25	8.0	113.8
1.50	6.7	135.8
1.75	5.7	159.6
2.00	5.0	182.0

Based on % Timer		
Pivot % Timer	IN Per 360 degrees	Hours Per 360 degrees
100.0	0.101	9.1
90.0	0.11	10.1
80.0	0.13	11.4
70.0	0.14	13.0
60.0	0.17	15.2
50.0	0.20	18.2
45.0	0.22	20.2
40.0	0.25	22.8
35.0	0.29	26.0
30.0	0.34	30.3
25.0	0.40	36.4
20.0	0.50	45.5
17.5	0.57	52.0
15.0	0.67	60.7
12.5	0.80	72.8
10.0	1.01	91.0
7.5	1.34	121.3
5.0	2.01	182.0

Water Resources
Received

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Field Area	Flow	Pressure	LRDU Drive Train
35.0 (Ac) Total	175 (GPM)	40 (PSI) Pivot Pressure	34 RPM Center Drive @ 60 Hz freq.
30.3 (Ac) Pivot 360°	5.00 (GPM per Acre)	Inlet Pressure	11R x 24.5 Radial Retread Tire
4.7 (Ac) EG on 100%	0.27 (in per day) App Rate	0.0(ft) Highest Elevation	52:1 Wheel GB Ratio, LRDU Dist 620.6(ft)
648.0 (ft) Machine Length	0.101 (in) App Depth @ 100%	0.0(ft) Lowest Elevation	9.1 Hrs/360° @ 100% (7.18) (Ft per Min)
48.5 (ft) End Gun Radius	25.5 (GPM) End Gun		9.1 Hrs/360° @ 100%

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.

VALLEY | V-CHART

Valley Dealer

INMAN IRRIGATION
892 Arapaho Rd
Inman, KS 67546
UNITED STATES

Customer

LESTER PRIEST
22337 41ST RD
WINFIELD, KS 67156-7347
USA

Dealer No.

00003440

Field Name

PRIEST #3

Parent Order No.
Sprinkler Order No. **PRIEST, LESTER #3**

Plant **Valley Systems/Parts**

Dealer PO
Order Date **09/11/2020**
Load Date **09/16/2020**
Method Of Shipment **UPSG**

4 Span Valley Standard Pivot 7000
Machine Flow 175 (GPM)
Pivot Pressure 40 (PSI)

Water Resources
Received
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KS Dept Of Agriculture

Parent Order No

Dealer **INMAN IRRIGATION**
Customer **LESTER PRIEST**
Field Name **PRIEST #3**

Sprinkler Order No **PRIEST, LESTER #3**

Valley Standard Pivot 7000 Machine Summary

Water Resources
Received
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Span and Overhang

Model	Qty	Length (ft)	Pipe	Coupler	D. U.	
			O.D. (in)	Spacing (in)	Qty	Profile Tire
7000	2	160.0	6 5/8	108	18	Standard 11.2 x 38
7000	2	140.0	6 5/8	108	16	Standard 11.2 x 38
7000	1	36.0	6 5/8	110	6	

Field Area

33.9 (Ac) Total
29.2 (Ac) Pivot 360°
4.6 (Ac) EG on 100%
636.8 (ft) Machine Length
48.4 (ft) End Gun Radius

Flow

175 (GPM)
5.17 (GPM per Acre)
0.27 (in per day) App Rate
0.077 (in) App Depth @ 100%
25.4 (GPM) End Gun

Messages

Caution: None
Dealer: None


Pressure

40 (PSI) Pivot Pressure
Inlet Pressure
0.0 (ft) Highest Elevation
0.0 (ft) Lowest Elevation




LRDU Drive Train

34 RPM Center Drive @ 60 Hz freq.
11.2 x 38 Tire
52:1 Wheel GB Ratio, LRDU Dist 600.6 (ft)
6.7 Hrs/360° @ 100% 9.45 (Ft per Min)
6.7 Hrs/360° @ 100%

Sprinkler -- Available Outlets

Sprinkler Configuration	Range (ft)
Geist U-Pipe 6(in) PVC 3/4 M NPT x 3/4 F NPT	Outlets 20,68,1
Geist PVC Drop Variable Length 84(in) Ground Clr	71,74,2
Nelson R3000 D4 - Green 3/4 M NPT ASSY	

Sprinkler -- Available Outlets

Sprinkler Configuration	Range (ft)
Geist U-Pipe 6(in) PVC 3/4 M NPT x 3/4 F NPT	Outlets 4,18,1
Geist PVC Drop Variable Length 84(in) Ground Clr	
Nelson Regulator Blue Acme 15(PSI) 3/4 F NPT	
Nelson A3000 D4 - Maroon 3/4 F Acme ASSY	

Parent Order No

Dealer **INMAN IRRIGATION**
 Customer **LESTER PRIEST**
 Field Name **PRIEST #3**


Sprinkler Order No **PRIEST, LESTER #3**

Valley Standard Pivot 7000 Machine Summary

Pressure Loss

Pipe Length (ft)	Pipe I.D. (in)	Pipe Finish	C-Factor	Loss (PSI)
618.7	6.42	Galvanized	150	0.7
18.1	3.79	Galvanized	150	0.2
Total =				0.9

End Gun(s) & Booster Pump Information



Primary End Gun
Nelson P85 End Gun
 3/8 Nozzle
 Booster Pump

Span Flow

Span Number	Irrigated Length (ft)	Area (Ac)	Rqd (GPM)	Act (GPM)	Rqd (GPM per Acre)	Act (GPM per Acre)	% Deviation
1	136.1	1.8	9.0	9.5	4.96	5.18	4.5
2	160.0	5.6	27.6	27.7	4.96	4.99	0.6
3	140.0	7.9	39.1	38.7	4.96	4.91	-1.0
4	139.7	10.7	53.0	53.4	4.96	5.00	0.8
O/H	36.2	3.2	16.5	16.0	5.10	4.95	-2.9
EG	48.4	4.6	23.8	25.4	5.17	5.51	6.6
Totals		33.8		170.7			
	Drain Sprinkler		4.2	4.3			
	Total Machine Flow			175			

Advanced Options

Drain Sprinkler = Senninger Directional
 Last Sprinkler Coverage = 1 ft
 Sprinkler Coverage Length = 637.8 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

Water Resources Received

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Parent Order No

Dealer **INMAN IRRIGATION**

Sprinkler Order No **PRIEST, LESTER #3**

Customer **LESTER PRIEST**

Field Name **PRIEST #3**

Valley Standard Pivot 7000 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)
1	5.4			Gauge						40.0			
2	14.4			Plug									
3	23.4			Plug									
Sprinkler : Nelson Accelerator Assembly													
4	32.4	1		10	Beige	A3000	D4 - Maroon	90	Blue Acme 15L	39.4	16.8	0.4	0.7
5	41.4			Plug									
6	49.9	2	17.5	10	Beige	A3000	D4 - Maroon	96	Blue Acme 15L	39.1	16.7	0.6	0.7
7	58.3			Plug									
8	66.8	3	16.8	11	Beige/Gold	A3000	D4 - Maroon	102	Blue Acme 15L	39.0	16.7	0.8	0.8
9	75.3			Plug									
10	84.3	4	17.5	12	Gold	A3000	D4 - Maroon	102	Blue Acme 15L	38.9	16.6	1.1	1.0
11	93.3			Plug									
12	102.3	5	18.0	14	Lime	A3000	D4 - Maroon	102	Blue Acme 15L	38.9	16.5	1.3	1.4
13	111.3			Plug									
14	120.2	6	17.9	15	Lime/Lavender	A3000	D4 - Maroon	96	Blue Acme 15L	39.0	16.4	1.5	1.6
15	129.2			Plug									
16	138.2	7	18.0	16	Lavender	A3000	D4 - Maroon	90	Blue Acme 15L	39.3	16.3	1.8	1.8
17	147.2			Plug									
18	156.2	8	18.0	17	Lavender/Gray	A3000	D4 - Maroon	78	Blue Acme 15L	39.6	16.3	2.0	2.0
	160.8												
Tower Number : 1 Span Length(ft) : 159.8													
19	165.5			Plug									
Sprinkler : Nelson Rotator Assembly													
20	174.5	9	18.3	16	Lavender	R3000	D4 - Green	90		39.4	42.7	2.3	2.9
21	183.5			Plug									
22	192.5	10	18.0	16	Lavender	R3000	D4 - Green	96		39.1	42.5	2.4	2.9
23	201.5			Plug									
24	210.0	11	17.5	16	Lavender	R3000	D4 - Green	102		38.8	42.5	2.6	2.9
25	218.4			Plug									

Water Resources Received
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Parent Order No

Dealer **INMAN IRRIGATION**

Sprinkler Order No **PRIEST, LESTER #3**

Customer **LESTER PRIEST**

Field Name **PRIEST #3**

Valley Standard Pivot 7000 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)	
26	226.8	12	16.8	16	Lavender	R3000	D4 - Green	108	Water Resources Received SEP 14 2020 KS Dept Of Agriculture	38.7	42.6	2.8	2.9	
27	235.3			Plug										
28	244.3	13	17.5	16	Lavender	R3000	D4 - Green	108			38.7	42.5	3.1	2.9
29	253.3			Plug										
30	262.3	14	18.0	16	Lavender	R3000	D4 - Green	108			38.7	42.6	3.4	2.9
31	271.3			Plug										
32	280.2	15	17.9	17	Lavender/Gray	R3000	D4 - Green	102			38.9	42.5	3.6	3.3
33	289.2			Plug										
34	298.2	16	18.0	18	Gray	R3000	D4 - Green	96			39.2	42.5	3.8	3.6
35	307.2			Plug										
36	316.2	17	18.0	19	Gray/Turquoise	R3000	D4 - Green	84		39.5	42.5	4.1	4.1	
	320.9				Tower Number : 2	Span Length(ft) : 160.0								
37	325.5			Plug										
38	334.5	18	18.3	19	Gray/Turquoise	R3000	D4 - Green	90		39.3	42.5	4.3	4.1	
39	343.5			Plug										
40	352.5	19	18.0	20	Turquoise	R3000	D4 - Green	96		39.0	42.3	4.5	4.5	
41	361.5			Plug										
42	370.0	20	17.5	20	Turquoise	R3000	D4 - Green	102		38.8	42.3	4.5	4.5	
43	378.4			Plug										
44	386.8	21	16.8	20	Turquoise	R3000	D4 - Green	108		38.7	42.4	4.6	4.5	
45	394.8			Plug										
46	403.3	22	16.4	21	Turq/Yellow	R3000	D4 - Green	102		38.7	42.2	4.8	4.9	
47	411.7			Plug										
48	420.2	23	16.9	22	Yellow	R3000	D4 - Green	102		38.8	42.3	5.2	5.4	
49	429.2			Plug										
50	438.2	24	18.0	22	Yellow	R3000	D4 - Green	96		39.1	42.3	5.6	5.4	
51	447.2			Plug										
52	456.2	25	18.0	23	Yellow/Red	R3000	D4 - Green	84		39.5	42.3	5.9	5.9	
	460.8				Tower Number : 3	Span Length(ft) : 140.0								
53	465.5			Plug										
54	474.5	26	18.3	24	Red	R3000	D4 - Green	90		39.3	42.2	6.2	6.5	
55	483.5			Plug										
56	492.5	27	18.0	24	Red	R3000	D4 - Green	96		38.9	42.1	6.3	6.5	

Parent Order No

Dealer **INMAN IRRIGATION**

Sprinkler Order No **PRIEST, LESTER #3**

Customer **LESTER PRIEST**

Field Name **PRIEST #3**

Valley Standard Pivot 7000 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)
57	501.5			Plug									
58	510.0	28	17.5	23	Yellow/Red	R3000	D4 - Green	102		38.7	42.1	6.3	5.9
59	518.4			Plug									
60	526.8	29	16.8	24	Red	R3000	D4 - Green	108		38.7	42.2	6.3	6.5
61	534.8			Plug									
62	543.2	30	16.4	24	Red	R3000	D4 - Green	102		38.7	42.0	6.5	6.5
63	551.7			Plug									
64	560.2	31	16.9	25	Red/White	R3000	D4 - Green	102		38.8	42.0	7.0	7.0
65	569.2			Plug									
66	578.2	32	18.0	26	White	R3000	D4 - Green	96		39.1	42.0	7.4	7.6
67	587.2			Plug									
68	596.2	33	18.0	26	White	R3000	D4 - Green	84		39.5	42.0	7.7	7.6
69	599.9			B.P.									
	600.6												
Tower Number : 4 Span Length(ft) : 139.7													
70	605.0			Plug									
71	614.1	34	18.0	26	White	R3000	D4 - Green	84		39.4	41.8	7.9	7.6
72	617.7			Plug									
73	623.1			Plug									
74	632.2	35	18.1	24	Red	R3000	D4 - Green	96		39.0	42.1	6.6	6.5
Sprinkler : Senninger Spray													
75	635.8	36		10	Turquoise	Directional				39.0	39.0	4.2	4.3
	636.8												
Overhand Span Length(ft) : 36.2													
Sprinkler : Nelson Endgun													
76	636.8	37		3/8		P85				39.0	38.9	23.8	25.4

Water Resources
 Received
SEP 14 2007
 KS Dept Of Agriculture



Primary Endgun Arc Settings: Forward Angle: **45** Reverse Angle: **80**

175.1

Dealer **INMAN IRRIGATION**
 Customer **LESTER PRIEST**
 Field Name **PRIEST #3**



Sprinkler Order No **PRIEST, LESTER #3**

Parent Order No

Valley Standard Pivot 7000 Percent Timer Data

Setup Information - Valley Computer Control Panel Water Application Constants: Minimum Application = 0.077 (in) Hours/360° = 6.7

Based on IN

IN Per 360 degrees	Pivot % Timer	Hours Per 360 degrees
0.077	100.0	6.7
0.10	76.5	8.8
0.20	38.3	17.5
0.30	25.5	26.3
0.40	19.1	35.1
0.50	15.3	43.8
0.60	12.8	52.3
0.70	10.9	61.5
0.80	9.6	69.8
0.90	8.5	78.8
1.00	7.7	87.0
1.25	6.1	109.8
1.50	5.1	131.4

Based on % Timer

Pivot % Timer	IN Per 360 degrees	Hours Per 360 degrees
100.0	0.077	6.7
90.0	0.09	7.4
80.0	0.10	8.4
70.0	0.11	9.6
60.0	0.13	11.2
50.0	0.15	13.4
45.0	0.17	14.9
40.0	0.19	16.8
35.0	0.22	19.1
30.0	0.26	22.3
25.0	0.31	26.8
20.0	0.38	33.5
17.5	0.44	38.3
15.0	0.51	44.7
12.5	0.61	53.6
10.0	0.77	67.0
7.5	1.02	89.3
5.0	1.53	134.0

Water Resources
Received

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Field Area

33.9 (Ac) Total
29.2 (Ac) Pivot 360°
4.6 (Ac) EG on 100%
636.8 (ft) Machine Length
48.4 (ft) End Gun Radius

Flow

175 (GPM)
5.17 (GPM per Acre)
0.27 (in per day) App Rate
0.077 (in) App Depth @ 100%
25.4 (GPM) End Gun

Pressure

40 (PSI) Pivot Pressure
Inlet Pressure
0.0 (ft) Highest Elevation
0.0 (ft) Lowest Elevation

LRDU Drive Train

34 RPM Center Drive @ 60 Hz freq.
11.2 x 38 Tire
52:1 Wheel GB Ratio, LRDU Dist 600.6 (ft)
6.7 Hrs/360° @ 100% (9.45) (Ft per Min)
6.7 Hrs/360° @ 100%

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.

DATA ENTRY SYSTEM ID NUMBER SHEET

FILE NUMBER 50445

APPLICANT PERSON ID & SEQ #	9102	PDIV ID	BATTERY ID
<u>62468</u>			

LANDOWNER PERSON ID & SEQ #	3443	PUSE ID
<u>14118</u>		

WATER USE CORRESPONDENT PERSON ID & SEQ #
<u>62468</u>