

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

File Number 50067
This item to be completed by the Division of Water Resources.

Water Resources
Received

**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.)

JUN 22 2010
12:13
KS Dept Of Agriculture

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): Jaris A. Regier
Address: 7802 E. 95th Avenue
City: Buhler State KS Zip Code 67522
Telephone Number: (620) 543-9277

2. The source of water is: surface water in _____ (stream)
OR groundwater in 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. ** Limited to 422.8 AF & 1400 GPM with # 48881 & # 49965*

3. The maximum quantity of water desired is ^{*}422.8 acre-feet OR _____ gallons per calendar year, to be diverted at a maximum rate of ^{*}1400 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>2</u>	GMD <u>2</u>	Meets K.A.R. 5-3-1 (YES/NO) <u>YES</u>	Use <u>IRR</u>	Source <u>GS County RN</u>	By <u>AM</u> Date <u>6-22-10</u>
Code <u>REB</u>	Fee \$ <u>340</u>	TR # _____	Receipt Date <u>6-22-10</u>	Check # <u>3368</u>	

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 SE quarter of the SW quarter of Section 13, more particularly described as being near a point 864 feet North and 3355 feet West of the Southeast corner of said section, in Township 23 South, Range 5W East/West (circle one), Reno 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):

Jaris A. & Sheila L. Regier, 7802 E. 95th Avenue, Buhler, KS 67522 (620) 543-9277

(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 June 20th, 2018.

Jan A Regier
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) 5/1/2015 under #48881

(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 6/1/2019

(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 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.

No. 48881 & 49965 - Same point of diversion & partial place of use overlap. Only the northwest well of the battery of four wells authorized by Water Permit No. 48881 was completed. The other 3 wells will not be completed.

This application overlaps the northwest well of No. 48881 as drilled and constructed and proposed by No. 49965.

The proposed quantity & rate should be limited to 422.8 AF & 1400 GPM when combined with Nos. 48881 & 49965.

Change in place of use applications will be filed on Nos. 48881 & 49965 to create an identical overlap with this application.

**Water Resources
Received**

JUN 22 2018

KS Dept Of Agriculture

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>5/1/2015</u>	_____	_____	_____
Total depth of well	<u>91'</u>	_____	_____	_____
Depth to water bearing formation	<u>7'</u>	_____	_____	_____
Depth to static water level	<u>11'</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 Co-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):
Jaris A. & Sheila L. Regier, 7802 E. 95th Avenue, Buhler, KS 67522 (620) 543-9277
(name, address and telephone number)

Sheila Willms Regier, 7802 E. 95th Avenue, Buhler, KS 67522 (620) 543-9277
(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 Buhler, Kansas, this 20th day of June, 2018
(month) (year)


(Applicant Signature)

By _____
(Agent or Officer Signature)

(Agent or Officer - Please Print)

Assisted by T. Boese GMD2/Manager Date: June 14, 2018
(office/title)

STATE OF KANSAS
DEPARTMENT OF REVENUE
OFFICE OF THE COMPTROLLER
TOPEKA, KANSAS

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:

\$340.00

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

Water Resources
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JUN 22 2018

KS Dept Of Agriculture

IRRIGATION USE SUPPLEMENTAL SHEET

File No. 50067

Name of Applicant (Please Print): Jaris A. Regier

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: Jaris A. & Sheila L. Regier

ADDRESS: 7802 E. 95th Avenue, Buhler, KS 67522

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL				
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE					
13	23S	5W										40	40	35.5	39.5					40			195

Landowner of Record NAME: Sheila Willms Regier

ADDRESS: 7802 E. 95th Avenue, Buhler, KS 67522

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL				
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE					
13	23S	5W					10	17	40	40													107

Landowner of Record NAME: _____ / 302

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					

Water Resources
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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
<u>Carway & Carbika</u>	<u>16.5</u>	<u>0.00-0.06</u>	<u> </u>
<u>Dillhut Fine Sand</u>	<u>14.5</u>	<u>0.60-2.00</u>	<u> </u>
<u>Dillhut-Solvay Complex</u>	<u>24.5</u>	<u>0.60-2.00</u>	<u> </u>
<u>Solvay Loamy Sand</u>	<u>34</u>	<u>0.60-2.00</u>	<u> </u>
<u>Pratt-Turon/Tivin-Dillhut</u>	<u>10.5</u>	<u>6.00-20.00</u>	<u> </u>
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):

- Center pivot Center pivot - LEPA "Big gun" sprinkler
 Gravity system (furrows) Gravity system (borders) Sideroll sprinkler

Other, please describe: Center pivots with possible cornering systems and/or SDI

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: ~40 psi
- (2) What is the sprinkler package design rate? ~800 each 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? ~50 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.

50067

48881

WATER WELL RECORD

Form WWC-5

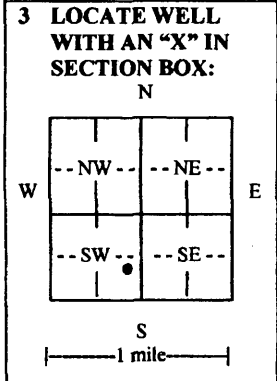
Division of Water Resources App. No.

1 LOCATION OF WATER WELL: County: Reno, Fraction SW 1/4 NE 1/4 SE 1/4 SW 1/4, Section Number 13, Township No. T 23 S, Range Number R 5

Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here [] From Yoder Rd. & 50 HWY 2E 1N 1/4E NSR

2 WATER WELL OWNER: Jaris Requier, RR#, Street Address, Box #: 7802 E. 95th Ave., City, State, ZIP Code: Buhler, Kansas 67522

Global Positioning System (GPS) information: Latitude: .38,04520, Longitude: 097.82305, Elevation: 1507, Datum: [] WGS 84, [] NAD 83, [X] NAD 27



3 LOCATE WELL WITH AN 'X' IN SECTION BOX: N, W, E, S, 1 mile scale. 4 DEPTH OF COMPLETED WELL 91 ft. Depth(s) Groundwater Encountered (1)..... ft. (2)..... ft. (3)..... ft. WELL'S STATIC WATER LEVEL 11 ft. below land surface measured on mo/day/yr. 5/1/2015.

5 TYPE OF CASING USED: [] Steel [X] PVC [] Other. CASING JOINTS: [X] Glued [] Clamped [] Welded [] Threaded. Casing diameter .16 in. to .61 ft., Diameter..... in. to..... ft., Diameter..... in. to..... ft. Casing height above land surface .24 in., Weight SCH. 40 lbs./ft., Wall thickness or gauge No. 500

TYPE OF SCREEN OR PERFORATION MATERIAL: [] Steel [] Stainless Steel [X] PVC [] Other (Specify)..... [] Brass [] Galvanized Steel [] None used (open hole). SCREEN OR PERFORATION OPENINGS ARE: [] Continuous slot [] Mill slot [] Gauze wrapped [] Torch cut [] Drilled holes [] None (open hole) [] Louvered shutter [] Key punched [] Wire wrapped [X] Saw cut [] Other (specify)..... SCREEN-PERFORATED INTERVALS: From .61 ft. to .91 ft., From..... ft. to..... ft., From..... ft. to..... ft. GRAVEL PACK INTERVALS: From .91 ft. to 15 ft., From..... ft. to..... ft., From..... ft. to..... ft.

6 GROUT MATERIAL: [] Neat cement [] Cement grout [X] Bentonite [] Other. Grout Intervals: From 15 ft. to 0 ft., From..... ft. to..... ft., From..... ft. to..... ft. What is the nearest source of possible contamination: [] Septic tank [] Lateral lines [] Pit privy [] Livestock pens [] Insecticide storage [X] Other (specify below) [] Sewer lines [] Cesspool [] Sewage lagoon [] Fuel storage [] Abandoned water well [] Watertight sewer lines [] Seepage pit [] Feedyard [] Fertilizer storage [] Oil well/gas well n/a

Table with columns: FROM, TO, LITHOLOGIC LOG, FROM, TO, LITHO. LOG (cont.) or PLUGGING INTERVALS. Rows include Sandy top soil, Brown clay-silty, Med. sand, Med. sand clean, Med. sand clean /litegray clay 80/20, Med. sand clean, Small-med. sand clean, Red shale.

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was [X] constructed, [] reconstructed, or [] plugged under my jurisdiction and was completed on (mo/day/year) 5/1/2015..... and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 134..... This Water Well Record was completed on (mo/day/year) 5/18/2015..... under the business name of Rosencrantz-Bemis Ent. by (signature) [Signature]

INSTRUCTIONS: Use typewriter or ball point pen. PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks and check the correct answers. Send three copies (white, blue, pink) to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson St., Suite 420, Topeka, Kansas 66612-1367. Telephone 785-296-5524. Send one copy to WATER WELL OWNER and retain one for your records. I include fee of \$5.00 for each constructed well. Visit us at http://www.kdheks.gov/waterwell/index.html.

6-20-2018
(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. 50067

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.

Jarvis A. Regier
Signature of Applicant

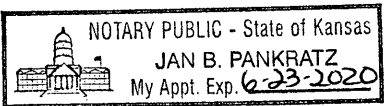
State of Kansas)
County of Reno) ss

Jarvis A. Regier
(Print Applicant's Name)

I hereby certify that the foregoing instrument was signed in my presence and sworn to before me this 20 day of June, 2018.

J. B. Pankratz
Notary Public

My Commission Expires: 6-23-2020



Water Resources
Received

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KS Dept Of Agriculture

**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



Valley Dealer

INMAN IRRIGATION
892 Arapaho Rd
Inman, KS 67546
UNITED STATES

Customer

Jaris Regier
7802 E 95th Ave
BUHLER, KS 67522-9031
USA

Dealer No.

00003440

Field Name

North of Kightlinger

Parent Order No.
Sprinkler Order No. **Regier North of
Kightlinger**
Plant **Valley Systems/Parts**

Dealer PO
Order Date **06/20/2018**
Load Date **06/25/2018**
Method Of Shipment **UPSG**

7 Span Valley Standard Pivot 8000
Machine Flow 1400 (GPM)
Pivot Pressure 45 (PSI)

Water Resources
Received

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KS Dept Of Agriculture

199057

Parent Order No

Dealer **INMAN IRRIGATION**
Customer **Jaris Regier**
Field Name **North of Kightlinger**

Sprinkler Order No **Regier North of Kightlinger**

Valley Standard Pivot 8000 Machine Summary

Span and Overhang							Field Area		Flow	
Model	Qty	Length (ft)	Pipe O.D. (in)	Coupler Spacing (in)	D. U. Qty	Profile	Tire			
8000	1	180.0	6 5/8	30	59	Standard	11R x 22.5 Radial Ret	141.2 (Ac) Total	1400 (GPM)	
8000	6	180.0	6 5/8	30	72	Standard	11R x 22.5 Radial Ret	121.4 (Ac) Pivot 360°	9.92 (GPM per Acre)	
8000	1	36.0	6 5/8	30	16			19.8 (Ac) EG on 100%	0.53 (in per day) App Rate	
								1297.5 (ft) Machine Length	0.403 (in) App Depth @ 100%	
								101.7 (ft) End Gun Radius	118.6 (GPM) End Gun	

Messages

Caution:
 1. Primary Endgun underwatering by 39.51%
 2. I-Wob, Orbitor, Twister and Nutator sprinklers require at least 24 in (61 cm) of drop hose. Do not use slip weights or rigid drop materials. Do not install integrated weights on dr with double I-Wob or Nutator sprinklers.

Dealer:
None





Pressure

45 (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 22.5 Radial Retread Tire
 52:1 Wheel GB Ratio, LRDU Dist 1261.2 (ft)
 18.4 Hrs/360° @ 100% 7.18 (Ft per Min)

Sprinkler -- Available Outlets

Sprinkler Configuration	Range (ft)	
Senninger U-Pipe 6(in) Plastic 3/4 M NPT x 3/4 M Hose	Outlets 3,5	
Black Hose Drop Variable Length 48(in) Ground Clr	8,204,3	
Valley Regulator PSR-2 10(PSI) 3/4 F NPT	206,490,1 493,499,1	
Senninger OneWeight Integrated Weight 0.85	502,506,1 507,507	
Senninger I-Wob - UP3 Std Angle 3/4 M NPT		

2167.91 (ft) Total Drop Hose Length

Water Resources
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JUN 22 2018
 KS Dept Of Agriculture

79065

Parent Order No

Dealer **INMAN IRRIGATION**
 Customer **Jaris Regier**
 Field Name **North of Kightlinger**

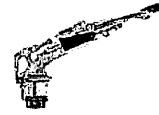
Sprinkler Order No **Regier North of Kightlinger**

Valley Standard Pivot 8000 Machine Summary

Pressure Loss

Pipe Length (ft)	Pipe I.D. (in)	Pipe Finish	C-Factor	Loss (PSI)
1279.4	6.42	Galvanized	150	24.8
18.1	3.79	Galvanized	150	0.4
Total =				25.2

End Gun(s) & Booster Pump Information



Primary End Gun
Nelson SR100 End Gun
0.8 Nozzle
Berkeley 2 HP 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	160.9	2.3	24.2	25.5	10.39	10.94	5.3
2	180.1	7.0	73.1	73.3	10.39	10.41	0.2
3	180.1	11.7	121.7	121.5	10.39	10.37	-0.2
4	180.1	16.4	170.4	170.7	10.39	10.41	0.2
5	180.1	21.1	219.0	218.6	10.39	10.37	-0.2
6	180.1	25.8	267.6	267.8	10.39	10.40	0.1
7	179.8	30.4	315.7	316.0	10.39	10.40	0.1
Q/H	36.2	6.7	71.4	71.1	10.68	10.64	-0.4
EG	101.7	19.8	196.0	118.6	9.92	6.00	-39.5
Totals		141.2		1383.1			
	Drain Sprinkler		17.3	18.3			
	Total Machine Flow			1401.4			

Advanced Options

Drain Sprinkler = Senninger Directional
 Last Sprinkler Coverage = 1 ft
 Sprinkler Coverage Length = 1298.5 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

JUN 22 2018

KS Dept Of Agriculture

50667

Parent Order No

Dealer **INMAN IRRIGATION**

Sprinkler Order No **Regier North of Kightlinger**

Customer **Jaris Regier**

Field Name **North of Kightlinger**

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)
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1	5.4			Gauge						45.0			
2	14.4			Plug									

Sprinkler : Senninger Iwob - Up3



3	23.4	1		6	Gold	I-Wob - UP3	Std Angle Black	119	PSR-2 10A	44.0	11.4	0.3	0.9
4	32.4	2	9.0	6	Gold	I-Wob - UP3	Std Angle Black	124	PSR-2 10A	43.5	11.4	0.4	0.9
5	41.4	3	9.0	6	Gold	I-Wob - UP3	Std Angle Black	128	PSR-2 10A	43.0	11.4	0.6	0.9
6	46.2			Plug									
7	48.6			Plug									
8	51.1	4	9.6	6	Gold	I-Wob - UP3	Std Angle Black	132	PSR-2 10A	42.6	11.4	0.8	0.9
9	53.6			Plug									
10	56.1			Plug									
11	58.6			Plug									
12	61.1	5	10.0	6	Gold	I-Wob - UP3	Std Angle Black	135	PSR-2 10A	42.1	11.4	0.9	0.9
13	63.6			Plug									
14	66.1			Plug									
15	68.6			Plug									
16	71.1	6	10.0	7	Lime	I-Wob - UP3	Std Angle Black	138	PSR-2 10A	41.7	11.4	1.1	1.2
17	73.6			Plug									
18	76.1			Plug									
19	78.6			Plug									
20	81.1	7	10.0	7	Lime	I-Wob - UP3	Std Angle Black	139	PSR-2 10A	41.3	11.4	1.2	1.2
21	83.6			Plug									
22	86.1			Plug									
23	88.6			Plug									
24	91.1	8	10.1	7.5	Lime Notched	I-Wob - UP3	Std Angle Black	140	PSR-2 10A	41.0	11.4	1.4	1.4
25	93.5			Plug									
26	96.0			Plug									
27	98.5			Plug									
28	101.0	9	9.8	8	Lavender	I-Wob - UP3	Std Angle Black	139	PSR-2 10A	40.7	11.4	1.5	1.5
29	103.5			Plug									

Water Resources
Received

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Customer **Jaris Regier**

Field Name **North of Kightlinger**

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)
30	106.0			Plug									
31	108.5			Plug									
32	111.0	10	10.0	8.5	Lavender Notched	I-Wob - UP3	Std Angle Black	138	PSR-2 10A	40.4	11.4	1.7	1.7
33	113.5			Plug									
34	116.0			Plug									
35	118.5			Plug									
36	121.0	11	10.0	8.5	Lavender Notched	I-Wob - UP3	Std Angle Black	136	PSR-2 10A	40.1	11.4	1.8	1.7
37	123.5			Plug									
38	126.0			Plug									
39	128.5			Plug									
40	131.0	12	10.0	9	Grey	I-Wob - UP3	Std Angle Black	133	PSR-2 10A	39.9	11.4	2.0	1.9
41	133.5			Plug									
42	136.1			Plug									
43	138.6			Plug									
44	141.1	13	10.1	9.5	Grey Notched	I-Wob - UP3	Std Angle Black	129	PSR-2 10A	39.7	11.4	2.1	2.2
45	143.6			Plug									
46	146.1			Plug									
47	148.6			Plug									
48	151.1	14	10.0	9.5	Grey Notched	I-Wob - UP3	Std Angle Black	124	PSR-2 10A	39.6	11.4	2.3	2.2
49	153.6			Plug									
50	156.1			Plug									
51	158.6			Plug									
52	161.1	15	10.0	10	Turquoise	I-Wob - UP3	Std Angle Black	118	PSR-2 10A	39.5	11.3	2.4	2.4
53	163.6			Plug									
54	166.1			Plug									
55	168.6			Plug									
56	171.1	16	10.0	10.5	Turq Notched	I-Wob - UP3	Std Angle Black	111	PSR-2 10A	39.4	11.3	2.6	2.6
57	173.6			Plug									
58	176.1			Plug									
59	178.6			Plug									
	180.9												
										Tower Number : 1 Span Length(ft) : 179.9			
60	181.0	17	10.0	10.5	Turq Notched	I-Wob - UP3	Std Angle Black	104	PSR-2 10A	39.3	11.3	2.7	2.6
61	183.8			Plug									

Water Resources

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Parent Order No

Dealer **INMAN IRRIGATION**

Sprinkler Order No **Regier North of Kightlinger**

Customer **Jaris Regier**

Field Name **North of Kightlinger**

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)
62	186.3			Plug									
63	188.8			Plug									
64	191.3	18	10.2	11	Yellow	I-Wob - UP3	Std Angle Black	112	PSR-2 10A	38.7	11.3	2.9	2.9
65	193.8			Plug									
66	196.3			Plug									
67	198.8			Plug									
68	201.3	19	10.0	11.5	Yellow Notched	I-Wob - UP3	Std Angle Black	118	PSR-2 10A	38.2	11.3	3.0	3.2
69	203.8			Plug									
70	206.3			Plug									
71	208.8			Plug									
72	211.3	20	10.0	11.5	Yellow Notched	I-Wob - UP3	Std Angle Black	124	PSR-2 10A	37.6	11.3	3.2	3.2
73	213.8			Plug									
74	216.3			Plug									
75	218.8			Plug									
76	221.3	21	10.0	11.5	Yellow Notched	I-Wob - UP3	Std Angle Black	129	PSR-2 10A	37.2	11.3	3.3	3.2
77	223.8			Plug									
78	226.3			Plug									
79	228.7			Plug									
80	231.2	22	9.9	12	Red	I-Wob - UP3	Std Angle Black	133	PSR-2 10A	36.7	11.3	3.4	3.4
81	233.7			Plug									
82	236.2			Plug									
83	238.7			Plug									
84	241.2	23	10.0	12.5	Red Notched	I-Wob - UP3	Std Angle Black	136	PSR-2 10A	36.3	11.3	3.6	3.7
85	243.7			Plug									
86	246.2			Plug									
87	248.7			Plug									
88	251.2	24	10.0	12.5	Red Notched	I-Wob - UP3	Std Angle Black	138	PSR-2 10A	35.9	11.3	3.8	3.7
89	253.7			Plug									
90	256.2			Plug									
91	258.7			Plug									
92	261.2	25	10.0	13	White	I-Wob - UP3	Std Angle Black	140	PSR-2 10A	35.5	11.3	3.9	4.1
93	263.7			Plug									
94	266.2			Plug									

Water Resources
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Parent Order No

Dealer **INMAN IRRIGATION**

Sprinkler Order No **Regier North of Kightlinger**

Customer **Jaris Regier**

Field Name **North of Kightlinger**

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)
95	268.7			Plug									
96	271.2	26	10.1	13	White	I-Wob - UP3	Std Angle Black	140	PSR-2 10A	35.2	11.3	4.0	4.1
97	273.6			Plug									
98	276.1			Plug									
99	278.6			Plug									
100	281.1	27	9.8	13	White	I-Wob - UP3	Std Angle Black	140	PSR-2 10A	34.9	11.2	4.2	4.1
101	283.6			Plug									
102	286.1			Plug									
103	288.6			Plug									
104	291.1	28	10.0	13.5	White Notched	I-Wob - UP3	Std Angle Black	138	PSR-2 10A	34.7	11.2	4.4	4.4
105	293.6			Plug									
106	296.1			Plug									
107	298.6			Plug									
108	301.1	29	10.0	13.5	White Notched	I-Wob - UP3	Std Angle Black	136	PSR-2 10A	34.4	11.2	4.5	4.4
109	303.6			Plug									
110	306.1			Plug									
111	308.6			Plug									
112	311.1	30	10.0	14	Blue	I-Wob - UP3	Std Angle Black	133	PSR-2 10A	34.3	11.2	4.7	4.7
113	313.6			Plug									
114	316.2			Plug									
115	318.7			Plug									
116	321.2	31	10.1	14.5	Blue Notched	I-Wob - UP3	Std Angle Black	129	PSR-2 10A	34.1	11.2	4.8	5.0
117	323.7			Plug									
118	326.2			Plug									
119	328.7			Plug									
120	331.2	32	10.0	14.5	Blue Notched	I-Wob - UP3	Std Angle Black	124	PSR-2 10A	34.0	11.2	5.0	5.0
121	333.7			Plug									
122	336.2			Plug									
123	338.7			Plug									
124	341.2	33	10.0	14.5	Blue Notched	I-Wob - UP3	Std Angle Black	118	PSR-2 10A	33.9	11.2	5.1	5.0
125	343.7			Plug									
126	346.2			Plug									
127	348.7			Plug									

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Customer **Jaris Regier**

Field Name **North of Kightlinger**

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)
128	351.2	34	10.0	15	Dark Brown	I-Wob - UP3	Std Angle Black	111	PSR-2 10A	33.8	11.1	5.3	5.4
129	353.7		Plug										
130	356.2		Plug										
131	358.7		Plug										
	361.0	Tower Number : 2		Span Length(ft) : 180.1									
132	361.1	35	10.0	15	Dark Brown	I-Wob - UP3	Std Angle Black	104	PSR-2 10A	33.8	11.1	5.5	5.4
133	363.9		Plug										
134	366.4		Plug										
135	368.9		Plug										
136	371.4	36	10.2	15.5	Dark Brn Notched	I-Wob - UP3	Std Angle Black	112	PSR-2 10A	33.2	11.1	5.6	5.7
137	373.9		Plug										
138	376.4		Plug										
139	378.9		Plug										
140	381.4	37	10.0	15.5	Dark Brn Notched	I-Wob - UP3	Std Angle Black	118	PSR-2 10A	32.7	11.1	5.7	5.7
141	383.9		Plug										
142	386.4		Plug										
143	388.9		Plug										
144	391.4	38	10.0	15.5	Dark Brn Notched	I-Wob - UP3	Std Angle Black	124	PSR-2 10A	32.2	11.1	5.9	5.7
145	393.9		Plug										
146	396.4		Plug										
147	398.9		Plug										
148	401.4	39	10.0	16	Orange	I-Wob - UP3	Std Angle Black	129	PSR-2 10A	31.8	11.1	6.0	6.1
149	403.9		Plug										
150	406.5		Plug										
151	408.8		Plug										
152	411.3	40	9.9	16	Orange	I-Wob - UP3	Std Angle Black	133	PSR-2 10A	31.3	11.1	6.1	6.1
153	413.8		Plug										
154	416.3		Plug										
155	418.8		Plug										
156	421.3	41	10.0	16.5	Orange Notched	I-Wob - UP3	Std Angle Black	136	PSR-2 10A	31.0	11.0	6.3	6.5
157	423.8		Plug										
158	426.3		Plug										
159	428.8		Plug										

Water Resources
Received

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Customer **Jaris Regier**

Field Name **North of Kightlinger**

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)
160	431.3	42	10.0	16.5	Orange Notched	I-Wob - UP3	Std Angle Black	138	PSR-2 10A	30.6	11.0	6.5	6.5
161	433.8			Plug									
162	436.3			Plug									
163	438.8			Plug									
164	441.3	43	10.0	16.5	Orange Notched	I-Wob - UP3	Std Angle Black	140	PSR-2 10A	30.3	11.0	6.6	6.5
165	443.8			Plug									
166	446.3			Plug									
167	448.8			Plug									
168	451.3	44	10.1	17	Dark Green	I-Wob - UP3	Std Angle Black	140	PSR-2 10A	30.0	11.0	6.7	6.8
169	453.7			Plug									
170	456.2			Plug									
171	458.7			Plug									
172	461.2	45	9.8	17	Dark Green	I-Wob - UP3	Std Angle Black	140	PSR-2 10A	29.8	11.0	6.9	6.8
173	463.7			Plug									
174	466.2			Plug									
175	468.7			Plug									
176	471.2	46	10.0	17	Dark Green	I-Wob - UP3	Std Angle Black	138	PSR-2 10A	29.5	11.0	7.1	6.8
177	473.7			Plug									
178	476.2			Plug									
179	478.7			Plug									
180	481.2	47	10.0	17.5	Dark Grn Notched	I-Wob - UP3	Std Angle Black	136	PSR-2 10A	29.4	10.9	7.2	7.2
181	483.7			Plug									
182	486.2			Plug									
183	488.7			Plug									
184	491.2	48	10.0	17.5	Dark Grn Notched	I-Wob - UP3	Std Angle Black	133	PSR-2 10A	29.2	10.9	7.4	7.2
185	493.7			Plug									
186	496.3			Plug									
187	498.8			Plug									
188	501.3	49	10.1	18	Purple	I-Wob - UP3	Std Angle Black	129	PSR-2 10A	29.1	10.9	7.5	7.7
189	503.8			Plug									
190	506.3			Plug									
191	508.8			Plug									
192	511.3	50	10.0	18	Purple	I-Wob - UP3	Std Angle Black	124	PSR-2 10A	29.0	10.9	7.7	7.7

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Customer **Jaris Regier**

Field Name **North of Kightlinger**

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)
193	513.8			Plug									
194	516.3			Plug									
195	518.8			Plug									
196	521.3	51	10.0	18	Purple	I-Wob - UP3	Std Angle Black	118	PSR-2 10A	29.0	10.8	7.8	7.6
197	523.8			Plug									
198	526.3			Plug									
199	528.8			Plug									
200	531.3	52	10.0	18.5	Purple Notched	I-Wob - UP3	Std Angle Black	111	PSR-2 10A	29.0	10.8	8.0	8.1
201	533.8			Plug									
202	536.3			Plug									
203	538.8			Plug									
541.1		Tower Number : 3 Span Length(ft) : 180.1											
204	541.3	53	10.0	16	Orange	I-Wob - UP3	Std Angle Black	104	PSR-2 10A	29.0	11.0	6.2	6.1
205	544.0			Plug									
206	546.5	54	5.2	13.5	White Notched	I-Wob - UP3	Std Angle Black	108	PSR-2 10A	28.7	11.2	4.2	4.4
207	549.0			Plug									
208	551.5	55	5.0	13	White	I-Wob - UP3	Std Angle Black	112	PSR-2 10A	28.5	11.2	4.1	4.1
209	554.0			Plug									
210	556.5	56	5.0	13.5	White Notched	I-Wob - UP3	Std Angle Black	115	PSR-2 10A	28.2	11.2	4.2	4.4
211	559.0			Plug									
212	561.5	57	5.0	13	White	I-Wob - UP3	Std Angle Black	118	PSR-2 10A	28.0	11.2	4.2	4.0
213	564.0			Plug									
214	566.5	58	5.0	13.5	White Notched	I-Wob - UP3	Std Angle Black	121	PSR-2 10A	27.8	11.2	4.2	4.4
215	569.0			Plug									
216	571.5	59	5.0	13.5	White Notched	I-Wob - UP3	Std Angle Black	124	PSR-2 10A	27.6	11.2	4.3	4.4
217	574.0			Plug									
218	576.5	60	5.0	13.5	White Notched	I-Wob - UP3	Std Angle Black	127	PSR-2 10A	27.4	11.2	4.3	4.4
219	579.0			Plug									
220	581.5	61	5.0	13.5	White Notched	I-Wob - UP3	Std Angle Black	129	PSR-2 10A	27.2	11.2	4.4	4.4
221	584.0			Plug									
222	586.6	62	5.1	13.5	White Notched	I-Wob - UP3	Std Angle Black	131	PSR-2 10A	27.0	11.2	4.3	4.4
223	588.9			Plug									
224	591.4	63	4.8	13.5	White Notched	I-Wob - UP3	Std Angle Black	133	PSR-2 10A	26.8	11.2	4.4	4.4

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Customer **Jaris Regier**

Field Name **North of Kightlinger**

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)
225	593.9			Plug									
226	596.4	64	5.0	13.5	White Notched	I-Wob - UP3	Std Angle Black	135	PSR-2 10A	26.6	11.2	4.5	4.4
227	598.9			Plug									
228	601.4	65	5.0	13.5	White Notched	I-Wob - UP3	Std Angle Black	136	PSR-2 10A	26.5	11.2	4.5	4.4
229	603.9			Plug									
230	606.4	66	5.0	14	Blue	I-Wob - UP3	Std Angle Black	137	PSR-2 10A	26.3	11.2	4.5	4.7
231	608.9			Plug									
232	611.4	67	5.0	14	Blue	I-Wob - UP3	Std Angle Black	138	PSR-2 10A	26.2	11.2	4.6	4.7
233	613.9			Plug									
234	616.4	68	5.0	13.5	White Notched	I-Wob - UP3	Std Angle Black	139	PSR-2 10A	26.0	11.2	4.6	4.4
235	618.9			Plug									
236	621.4	69	5.0	14	Blue	I-Wob - UP3	Std Angle Black	140	PSR-2 10A	25.9	11.2	4.7	4.7
237	623.9			Plug									
238	626.4	70	5.0	14	Blue	I-Wob - UP3	Std Angle Black	140	PSR-2 10A	25.8	11.2	4.7	4.7
239	628.9			Plug									
240	631.5	71	5.1	14	Blue	I-Wob - UP3	Std Angle Black	140	PSR-2 10A	25.7	11.2	4.7	4.7
241	633.8			Plug									
242	636.3	72	4.8	14	Blue	I-Wob - UP3	Std Angle Black	140	PSR-2 10A	25.6	11.2	4.7	4.7
243	638.8			Plug									
244	641.3	73	5.0	14	Blue	I-Wob - UP3	Std Angle Black	140	PSR-2 10A	25.5	11.2	4.8	4.7
245	643.8			Plug									
246	646.3	74	5.0	14.5	Blue Notched	I-Wob - UP3	Std Angle Black	139	PSR-2 10A	25.4	11.2	4.8	5.0
247	648.8			Plug									
248	651.3	75	5.0	14.5	Blue Notched	I-Wob - UP3	Std Angle Black	138	PSR-2 10A	25.3	11.2	4.9	5.0
249	653.8			Plug									
250	656.3	76	5.0	14	Blue	I-Wob - UP3	Std Angle Black	137	PSR-2 10A	25.2	11.2	4.9	4.7
251	658.8			Plug									
252	661.3	77	5.0	14.5	Blue Notched	I-Wob - UP3	Std Angle Black	136	PSR-2 10A	25.2	11.2	5.0	5.0
253	663.8			Plug									
254	666.3	78	5.0	14.5	Blue Notched	I-Wob - UP3	Std Angle Black	134	PSR-2 10A	25.1	11.2	5.0	5.0
255	668.8			Plug									
256	671.3	79	5.0	14.5	Blue Notched	I-Wob - UP3	Std Angle Black	133	PSR-2 10A	25.1	11.2	5.1	5.0
257	673.8			Plug									

Water Resources

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Customer **Jaris Regier**

Field Name **North of Kightlinger**

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)
258	676.4	80	5.1	14.5	Blue Notched	I-Wob - UP3	Std Angle Black	131	PSR-2 10A	25.1	11.2	5.1	5.0
259	678.9			Plug									
260	681.4	81	5.0	14.5	Blue Notched	I-Wob - UP3	Std Angle Black	129	PSR-2 10A	25.0	11.2	5.1	5.0
261	683.9			Plug									
262	686.4	82	5.0	15	Dark Brown	I-Wob - UP3	Std Angle Black	126	PSR-2 10A	25.0	11.1	5.1	5.4
263	688.9			Plug									
264	691.4	83	5.0	14.5	Blue Notched	I-Wob - UP3	Std Angle Black	124	PSR-2 10A	25.0	11.2	5.2	5.0
265	693.9			Plug									
266	696.4	84	5.0	15	Dark Brown	I-Wob - UP3	Std Angle Black	121	PSR-2 10A	25.0	11.1	5.2	5.4
267	698.9			Plug									
268	701.4	85	5.0	15	Dark Brown	I-Wob - UP3	Std Angle Black	118	PSR-2 10A	25.0	11.1	5.3	5.4
269	703.9			Plug									
270	706.4	86	5.0	15	Dark Brown	I-Wob - UP3	Std Angle Black	115	PSR-2 10A	25.1	11.1	5.3	5.4
271	708.9			Plug									
272	711.4	87	5.0	15	Dark Brown	I-Wob - UP3	Std Angle Black	111	PSR-2 10A	25.1	11.1	5.3	5.4
273	713.9			Plug									
274	716.4	88	5.0	15	Dark Brown	I-Wob - UP3	Std Angle Black	108	PSR-2 10A	25.1	11.1	5.4	5.4
275	718.9			Plug									
	721.2				Tower Number : 4	Span Length(ft) : 180.1							
276	721.4	89	5.0	15	Dark Brown	I-Wob - UP3	Std Angle Black	104	PSR-2 10A	25.2	11.1	5.5	5.4
277	724.1			Plug									
278	726.6	90	5.2	15	Dark Brown	I-Wob - UP3	Std Angle Black	108	PSR-2 10A	24.9	11.1	5.6	5.4
279	729.1			Plug									
280	731.6	91	5.0	15	Dark Brown	I-Wob - UP3	Std Angle Black	112	PSR-2 10A	24.7	11.1	5.5	5.4
281	734.1			Plug									
282	736.6	92	5.0	15.5	Dark Brn Notched	I-Wob - UP3	Std Angle Black	115	PSR-2 10A	24.5	11.1	5.5	5.7
283	739.1			Plug									
284	741.6	93	5.0	15.5	Dark Brn Notched	I-Wob - UP3	Std Angle Black	118	PSR-2 10A	24.3	11.1	5.6	5.7
285	744.1			Plug									
286	746.6	94	5.0	15	Dark Brown	I-Wob - UP3	Std Angle Black	121	PSR-2 10A	24.1	11.1	5.6	5.4
287	749.1			Plug									
288	751.6	95	5.0	15.5	Dark Brn Notched	I-Wob - UP3	Std Angle Black	124	PSR-2 10A	23.9	11.1	5.6	5.7
289	754.1			Plug									

Water Resources
 Received
JUN 22 2018

L9005

Customer **Jaris Regier**

Field Name **North of Kightlinger**

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)
290	756.6	96	5.0	15.5	Dark Brn Notched	I-Wob - UP3	Std Angle Black	127	PSR-2 10A	23.8	11.1	5.7	5.7
291	759.1			Plug									
292	761.6	97	5.0	15.5	Dark Brn Notched	I-Wob - UP3	Std Angle Black	129	PSR-2 10A	23.6	11.1	5.7	5.7
293	764.1			Plug									
294	766.7	98	5.1	15.5	Dark Brn Notched	I-Wob - UP3	Std Angle Black	131	PSR-2 10A	23.4	11.1	5.7	5.7
295	769.0			Plug									
296	771.5	99	4.8	15.5	Dark Brn Notched	I-Wob - UP3	Std Angle Black	133	PSR-2 10A	23.3	11.1	5.7	5.7
297	774.0			Plug									
298	776.5	100	5.0	15.5	Dark Brn Notched	I-Wob - UP3	Std Angle Black	135	PSR-2 10A	23.1	11.1	5.8	5.7
299	779.0			Plug									
300	781.5	101	5.0	15.5	Dark Brn Notched	I-Wob - UP3	Std Angle Black	136	PSR-2 10A	23.0	11.1	5.9	5.7
301	784.0			Plug									
302	786.5	102	5.0	16	Orange	I-Wob - UP3	Std Angle Black	137	PSR-2 10A	22.9	11.1	5.9	6.1
303	789.0			Plug									
304	791.5	103	5.0	15.5	Dark Brn Notched	I-Wob - UP3	Std Angle Black	138	PSR-2 10A	22.8	11.1	5.9	5.7
305	794.0			Plug									
306	796.5	104	5.0	16	Orange	I-Wob - UP3	Std Angle Black	139	PSR-2 10A	22.7	11.1	6.0	6.1
307	799.0			Plug									
308	801.5	105	5.0	16	Orange	I-Wob - UP3	Std Angle Black	140	PSR-2 10A	22.6	11.1	6.0	6.1
309	804.0			Plug									
310	806.5	106	5.0	16	Orange	I-Wob - UP3	Std Angle Black	140	PSR-2 10A	22.5	11.1	6.1	6.1
311	809.0			Plug									
312	811.6	107	5.1	16	Orange	I-Wob - UP3	Std Angle Black	140	PSR-2 10A	22.4	11.1	6.0	6.1
313	813.9			Plug									
314	816.4	108	4.8	16	Orange	I-Wob - UP3	Std Angle Black	140	PSR-2 10A	22.3	11.1	6.0	6.1
315	818.9			Plug									
316	821.4	109	5.0	16	Orange	I-Wob - UP3	Std Angle Black	140	PSR-2 10A	22.3	11.1	6.2	6.1
317	823.9			Plug									
318	826.4	110	5.0	16	Orange	I-Wob - UP3	Std Angle Black	139	PSR-2 10A	22.2	11.1	6.2	6.1
319	828.9			Plug									
320	831.4	111	5.0	16	Orange	I-Wob - UP3	Std Angle Black	138	PSR-2 10A	22.2	11.0	6.2	6.1
321	833.9			Plug									
322	836.4	112	5.0	16.5	Orange Notched	I-Wob - UP3	Std Angle Black	138	PSR-2 10A	22.2	11.0	6.3	6.5

Water Resources
Received

JUN 22 2018

50067

Customer **Jaris Regier**

Field Name **North of Kightlinger**

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)
323	838.9			Plug									
324	841.4	113	5.0	16	Orange	I-Wob - UP3	Std Angle Black	136	PSR-2 10A	22.1	11.0	6.3	6.1
325	843.9			Plug									
326	846.4	114	5.0	16.5	Orange Notched	I-Wob - UP3	Std Angle Black	134	PSR-2 10A	22.1	11.0	6.3	6.5
327	848.9			Plug									
328	851.4	115	5.0	16.5	Orange Notched	I-Wob - UP3	Std Angle Black	133	PSR-2 10A	22.1	11.0	6.4	6.5
329	853.9			Plug									
330	856.5	116	5.1	16.5	Orange Notched	I-Wob - UP3	Std Angle Black	131	PSR-2 10A	22.1	11.0	6.5	6.5
331	859.0			Plug									
332	861.5	117	5.0	16.5	Orange Notched	I-Wob - UP3	Std Angle Black	129	PSR-2 10A	22.1	11.0	6.5	6.5
333	864.0			Plug									
334	866.5	118	5.0	16.5	Orange Notched	I-Wob - UP3	Std Angle Black	126	PSR-2 10A	22.1	11.0	6.5	6.5
335	869.0			Plug									
336	871.5	119	5.0	16.5	Orange Notched	I-Wob - UP3	Std Angle Black	124	PSR-2 10A	22.2	11.0	6.5	6.5
337	874.0			Plug									
338	876.5	120	5.0	16.5	Orange Notched	I-Wob - UP3	Std Angle Black	121	PSR-2 10A	22.2	11.0	6.6	6.5
339	879.0			Plug									
340	881.5	121	5.0	16.5	Orange Notched	I-Wob - UP3	Std Angle Black	118	PSR-2 10A	22.3	11.0	6.6	6.5
341	884.0			Plug									
342	886.5	122	5.0	17	Dark Green	I-Wob - UP3	Std Angle Black	115	PSR-2 10A	22.3	11.0	6.6	6.8
343	889.0			Plug									
344	891.5	123	5.0	17	Dark Green	I-Wob - UP3	Std Angle Black	111	PSR-2 10A	22.4	11.0	6.7	6.8
345	894.0			Plug									
346	896.5	124	5.0	16.5	Orange Notched	I-Wob - UP3	Std Angle Black	108	PSR-2 10A	22.4	11.0	6.7	6.5
347	899.0			Plug									
	901.3												
Tower Number : 5 Span Length(ft) : 180.1													
348	901.5	125	5.0	17	Dark Green	I-Wob - UP3	Std Angle Black	104	PSR-2 10A	22.5	11.0	6.9	6.8
349	904.2			Plug									
350	906.7	126	5.2	17.5	Dark Grn Notched	I-Wob - UP3	Std Angle Black	108	PSR-2 10A	22.3	10.9	7.0	7.3
351	909.2			Plug									
352	911.7	127	5.0	17	Dark Green	I-Wob - UP3	Std Angle Black	112	PSR-2 10A	22.1	11.0	6.8	6.8
353	914.2			Plug									
354	916.7	128	5.0	17	Dark Green	I-Wob - UP3	Std Angle Black	115	PSR-2 10A	21.9	11.0	6.9	6.8

Water Resources
Received
JUN 23 2018

50057

Customer **Jaris Regier**

Field Name **North of Kightlinger**

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)
355	919.2			Plug									
356	921.7	129	5.0	17	Dark Green	I-Wob - UP3	Std Angle Black	118	PSR-2 10A	21.8	11.0	6.9	6.8
357	924.2			Plug									
358	926.7	130	5.0	17	Dark Green	I-Wob - UP3	Std Angle Black	121	PSR-2 10A	21.6	11.0	6.9	6.8
359	929.2			Plug									
360	931.7	131	5.0	17	Dark Green	I-Wob - UP3	Std Angle Black	124	PSR-2 10A	21.5	11.0	7.0	6.8
361	934.2			Plug									
362	936.7	132	5.0	17.5	Dark Grn Notched	I-Wob - UP3	Std Angle Black	127	PSR-2 10A	21.3	10.9	7.0	7.3
363	939.2			Plug									
364	941.7	133	5.0	17.5	Dark Grn Notched	I-Wob - UP3	Std Angle Black	129	PSR-2 10A	21.2	10.9	7.1	7.3
365	944.2			Plug									
366	946.8	134	5.1	17	Dark Green	I-Wob - UP3	Std Angle Black	131	PSR-2 10A	21.1	11.0	7.0	6.8
367	949.1			Plug									
368	951.6	135	4.8	17	Dark Green	I-Wob - UP3	Std Angle Black	133	PSR-2 10A	20.9	11.0	7.0	6.8
369	954.1			Plug									
370	956.6	136	5.0	17.5	Dark Grn Notched	I-Wob - UP3	Std Angle Black	135	PSR-2 10A	20.8	10.9	7.2	7.2
371	959.1			Plug									
372	961.6	137	5.0	17.5	Dark Grn Notched	I-Wob - UP3	Std Angle Black	136	PSR-2 10A	20.7	10.9	7.2	7.2
373	964.1			Plug									
374	966.6	138	5.0	17.5	Dark Grn Notched	I-Wob - UP3	Std Angle Black	137	PSR-2 10A	20.6	10.9	7.2	7.2
375	969.1			Plug									
376	971.6	139	5.0	17.5	Dark Grn Notched	I-Wob - UP3	Std Angle Black	138	PSR-2 10A	20.6	10.9	7.3	7.2
377	974.1			Plug									
378	976.6	140	5.0	17.5	Dark Grn Notched	I-Wob - UP3	Std Angle Black	139	PSR-2 10A	20.5	10.9	7.3	7.2
379	979.1			Plug									
380	981.6	141	5.0	17.5	Dark Grn Notched	I-Wob - UP3	Std Angle Black	140	PSR-2 10A	20.4	10.9	7.4	7.2
381	984.1			Plug									
382	986.6	142	5.0	18	Purple	I-Wob - UP3	Std Angle Black	140	PSR-2 10A	20.4	10.9	7.4	7.7
383	989.1			Plug									
384	991.7	143	5.1	17.5	Dark Grn Notched	I-Wob - UP3	Std Angle Black	140	PSR-2 10A	20.3	10.9	7.4	7.2
385	994.0			Plug									
386	996.5	144	4.8	17.5	Dark Grn Notched	I-Wob - UP3	Std Angle Black	140	PSR-2 10A	20.3	10.9	7.3	7.2
387	999.0			Plug									

Water Resources
Received

JUN 22 2018

19005

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)
388	1001.5	145	5.0	18	Purple	I-Wob - UP3	Std Angle Black	140	PSR-2 10A	20.3	10.9	7.5	7.7
389	1004.0			Plug									
390	1006.5	146	5.0	18	Purple	I-Wob - UP3	Std Angle Black	139	PSR-2 10A	20.2	10.9	7.5	7.7
391	1009.0			Plug									
392	1011.5	147	5.0	18	Purple	I-Wob - UP3	Std Angle Black	138	PSR-2 10A	20.2	10.9	7.6	7.7
393	1014.0			Plug									
394	1016.5	148	5.0	18	Purple	I-Wob - UP3	Std Angle Black	137	PSR-2 10A	20.2	10.9	7.6	7.7
395	1019.0			Plug									
396	1021.5	149	5.0	18	Purple	I-Wob - UP3	Std Angle Black	136	PSR-2 10A	20.2	10.9	7.7	7.7
397	1024.0			Plug									
398	1026.5	150	5.0	18	Purple	I-Wob - UP3	Std Angle Black	134	PSR-2 10A	20.3	10.9	7.7	7.7
399	1029.0			Plug									
400	1031.5	151	5.0	18	Purple	I-Wob - UP3	Std Angle Black	133	PSR-2 10A	20.3	10.9	7.8	7.7
401	1034.0			Plug									
402	1036.6	152	5.1	18	Purple	I-Wob - UP3	Std Angle Black	131	PSR-2 10A	20.3	10.8	7.8	7.6
403	1039.1			Plug									
404	1041.6	153	5.0	18.5	Purple Notched	I-Wob - UP3	Std Angle Black	129	PSR-2 10A	20.4	10.8	7.8	8.1
405	1044.1			Plug									
406	1046.6	154	5.0	18	Purple	I-Wob - UP3	Std Angle Black	126	PSR-2 10A	20.4	10.8	7.8	7.7
407	1049.1			Plug									
408	1051.6	155	5.0	18.5	Purple Notched	I-Wob - UP3	Std Angle Black	124	PSR-2 10A	20.5	10.8	7.9	8.1
409	1054.1			Plug									
410	1056.6	156	5.0	18.5	Purple Notched	I-Wob - UP3	Std Angle Black	121	PSR-2 10A	20.5	10.8	7.9	8.1
411	1059.1			Plug									
412	1061.6	157	5.0	18	Purple	I-Wob - UP3	Std Angle Black	118	PSR-2 10A	20.6	10.8	8.0	7.6
413	1064.1			Plug									
414	1066.6	158	5.0	18.5	Purple Notched	I-Wob - UP3	Std Angle Black	115	PSR-2 10A	20.7	10.8	8.0	8.1
415	1069.1			Plug									
416	1071.6	159	5.0	18.5	Purple Notched	I-Wob - UP3	Std Angle Black	111	PSR-2 10A	20.8	10.8	8.0	8.1
417	1074.1			Plug									
418	1076.6	160	5.0	18.5	Purple Notched	I-Wob - UP3	Std Angle Black	108	PSR-2 10A	20.9	10.8	8.1	8.1
419	1079.1			Plug									
	1081.4												

Water Resources Received

JUN 22 2018

Tower Number : 6 Span Length (ft) : 180.1

50905

Customer **Jaris Regier**

Field Name **North of Kightlinger**

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)
420	1081.6	161	5.0	18.5	Purple Notched	I-Wob - UP3	Std Angle Black	104	PSR-2 10A	21.0	10.8	8.3	8.1
421	1084.3			Plug									
422	1086.8	162	5.2	19	Black	I-Wob - UP3	Std Angle Black	108	PSR-2 10A	20.8	10.8	8.3	8.5
423	1089.3			Plug									
424	1091.8	163	5.0	18.5	Purple Notched	I-Wob - UP3	Std Angle Black	112	PSR-2 10A	20.7	10.8	8.2	8.1
425	1094.3			Plug									
426	1096.8	164	5.0	18.5	Purple Notched	I-Wob - UP3	Std Angle Black	115	PSR-2 10A	20.5	10.8	8.2	8.1
427	1099.3			Plug									
428	1101.8	165	5.0	19	Black	I-Wob - UP3	Std Angle Black	118	PSR-2 10A	20.4	10.8	8.3	8.5
429	1104.3			Plug									
430	1106.8	166	5.0	18.5	Purple Notched	I-Wob - UP3	Std Angle Black	121	PSR-2 10A	20.3	10.8	8.3	8.1
431	1109.3			Plug									
432	1111.8	167	5.0	19	Black	I-Wob - UP3	Std Angle Black	124	PSR-2 10A	20.1	10.8	8.3	8.5
433	1114.3			Plug									
434	1116.8	168	5.0	19	Black	I-Wob - UP3	Std Angle Black	127	PSR-2 10A	20.0	10.8	8.4	8.5
435	1119.3			Plug									
436	1121.8	169	5.0	19	Black	I-Wob - UP3	Std Angle Black	129	PSR-2 10A	19.9	10.8	8.5	8.5
437	1124.3			Plug									
438	1126.9	170	5.1	18.5	Purple Notched	I-Wob - UP3	Std Angle Black	131	PSR-2 10A	19.8	10.8	8.4	8.1
439	1129.2			Plug									
440	1131.7	171	4.8	19	Black	I-Wob - UP3	Std Angle Black	133	PSR-2 10A	19.7	10.8	8.3	8.5
441	1134.2			Plug									
442	1136.7	172	5.0	19	Black	I-Wob - UP3	Std Angle Black	135	PSR-2 10A	19.7	10.8	8.5	8.5
443	1139.2			Plug									
444	1141.7	173	5.0	19	Black	I-Wob - UP3	Std Angle Black	136	PSR-2 10A	19.6	10.8	8.6	8.5
445	1144.2			Plug									
446	1146.7	174	5.0	19	Black	I-Wob - UP3	Std Angle Black	137	PSR-2 10A	19.5	10.7	8.6	8.5
447	1149.2			Plug									
448	1151.7	175	5.0	19	Black	I-Wob - UP3	Std Angle Black	138	PSR-2 10A	19.5	10.7	8.6	8.5
449	1154.2			Plug									
450	1156.7	176	5.0	19.5	Black Notched	I-Wob - UP3	Std Angle Black	139	PSR-2 10A	19.4	10.7	8.7	8.9
451	1159.2			Plug									
452	1161.7	177	5.0	19.5	Black Notched	I-Wob - UP3	Std Angle Black	140	PSR-2 10A	19.4	10.7	8.7	8.9

Water Resources
 Received
 JUN 22 2018

50067

Customer **Jaris Regier**

Field Name **North of Kightlinger**

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)
453	1164.2			Plug									
454	1166.7	178	5.0	19	Black	I-Wob - UP3	Std Angle Black	140	PSR-2 10A	19.4	10.7	8.8	8.5
455	1169.2			Plug									
456	1171.8	179	5.1	19.5	Black Notched	I-Wob - UP3	Std Angle Black	140	PSR-2 10A	19.4	10.7	8.7	8.9
457	1174.1			Plug									
458	1176.6	180	4.8	19	Black	I-Wob - UP3	Std Angle Black	140	PSR-2 10A	19.3	10.7	8.7	8.5
459	1179.1			Plug									
460	1181.6	181	5.0	19.5	Black Notched	I-Wob - UP3	Std Angle Black	139	PSR-2 10A	19.3	10.7	8.9	8.9
461	1184.1			Plug									
462	1186.6	182	5.0	19.5	Black Notched	I-Wob - UP3	Std Angle Black	139	PSR-2 10A	19.4	10.7	8.9	8.9
463	1189.1			Plug									
464	1191.6	183	5.0	19.5	Black Notched	I-Wob - UP3	Std Angle Black	138	PSR-2 10A	19.4	10.7	8.9	8.9
465	1194.1			Plug									
466	1196.6	184	5.0	19.5	Black Notched	I-Wob - UP3	Std Angle Black	137	PSR-2 10A	19.4	10.7	9.0	8.9
467	1199.1			Plug									
468	1201.6	185	5.0	19.5	Black Notched	I-Wob - UP3	Std Angle Black	136	PSR-2 10A	19.4	10.7	9.0	8.9
469	1204.1			Plug									
470	1206.6	186	5.0	19.5	Black Notched	I-Wob - UP3	Std Angle Black	134	PSR-2 10A	19.5	10.7	9.0	8.9
471	1209.1			Plug									
472	1211.6	187	5.0	20	Dark Turquoise	I-Wob - UP3	Std Angle Black	133	PSR-2 10A	19.5	10.6	9.2	9.4
473	1214.1			Plug									
474	1216.7	188	5.1	20	Dark Turquoise	I-Wob - UP3	Std Angle Black	131	PSR-2 10A	19.6	10.7	9.2	9.4
475	1219.2			Plug									
476	1221.7	189	5.0	19.5	Black Notched	I-Wob - UP3	Std Angle Black	129	PSR-2 10A	19.7	10.7	9.2	8.9
477	1224.2			Plug									
478	1226.7	190	5.0	20	Dark Turquoise	I-Wob - UP3	Std Angle Black	126	PSR-2 10A	19.7	10.6	9.2	9.4
479	1229.2			Plug									
480	1231.7	191	5.0	20	Dark Turquoise	I-Wob - UP3	Std Angle Black	124	PSR-2 10A	19.8	10.7	9.2	9.4
481	1234.2			Plug									
482	1236.7	192	5.0	20	Dark Turquoise	I-Wob - UP3	Std Angle Black	121	PSR-2 10A	19.9	10.7	9.3	9.4
483	1239.2			Plug									
484	1241.7	193	5.0	20	Dark Turquoise	I-Wob - UP3	Std Angle Black	118	PSR-2 10A	20.0	10.7	9.3	9.4
485	1244.2			Plug									

Water Resources
Received

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50067

Customer **Jaris Regier**

Field Name **North of Kightlinger**

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)
486	1246.7	194	5.0	20	Dark Turquoise	I-Wob - UP3	Std Angle Black	115	PSR-2 10A	20.1	10.7	9.3	9.4
487	1249.2			Plug									
488	1251.7	195	5.0	20	Dark Turquoise	I-Wob - UP3	Std Angle Black	111	PSR-2 10A	20.2	10.7	9.4	9.4
489	1254.2			Plug									
490	1256.7	196	5.0	20	Dark Turquoise	I-Wob - UP3	Std Angle Black	108	PSR-2 10A	20.4	10.7	9.3	9.4
491	1259.2			Plug									
492	1260.6			B.P.									
1261.2		Tower Number : 7 Span Length(ft) : 179.8											
493	1261.6	197	4.9	19.5	Black Notched	I-Wob - UP3	Std Angle Black	104	PSR-2 10A	20.5	10.7	9.1	8.9
494	1263.8			Plug									
495	1266.3	198	4.7	19.5	Black Notched	I-Wob - UP3	Std Angle Black	106	PSR-2 10A	20.4	10.7	9.2	8.9
496	1268.8			Plug									
497	1271.3	199	5.0	20	Dark Turquoise	I-Wob - UP3	Std Angle Black	109	PSR-2 10A	20.3	10.6	9.5	9.3
498	1273.8			Plug									
499	1276.3	200	5.0	21	Mustard	I-Wob - UP3	Std Angle Black	111	PSR-2 10A	20.2	10.5	10.1	10.2
500	1278.4			Plug									
501	1279.7			Plug									
502	1281.9	201	5.6	21	Mustard	I-Wob - UP3	Std Angle Black	114	PSR-2 10A	20.1	10.5	10.2	10.2
503	1284.4			Plug									
504	1286.9	202	5.0	20.5	Drk Turq Notched	I-Wob - UP3	Std Angle Black	116	PSR-2 10A	20.0	10.6	9.6	9.8
505	1289.4			Plug									
506	1291.9	203	5.0	17.5	Dark Grn Notched	I-Wob - UP3	Std Angle Black	119	PSR-2 10A	19.8	10.9	7.3	7.3
507	1294.4	204	2.5	21	Mustard	I-Wob - UP3	Std Angle Black	120	PSR-2 10A	19.8	10.5	10.4	10.2

Sprinkler : Senninger Spray



508	1296.5	205		24	Dark Blue	Directional				18.4	18.4	17.3	18.3
1297.5		Overhand Span Length(ft) : 36.2											

Sprinkler : Nelson Endgun



509	1297.5	206		0.8		SR100				18.4	43.2	196.0	118.6
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Water Resources
Received

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KS Dept Of Agriculture

50067

Parent Order No

Dealer **INMAN IRRIGATION**

Sprinkler Order No **Regier North of Kightlinger**

Customer **Jaris Regier**

Field Name **North of Kightlinger**

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

1401.4

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50067

Dealer **INMAN IRRIGATION**
 Customer **Jaris Regier**
 Field Name **North of Kightlinger**



Sprinkler Order No **Regier North of Kightlinger**
 Parent Order No

Valley Standard Pivot 8000 Percent Timer Data

Setup Information - Valley Computer Control Panel Water Application Constants: Minimum Application = 0.403 (in) Hours Per Revolution = 18.4

Based on IN

IN Per 360 degrees	Pivot % Timer	Hours Per 360 degrees
0.403	100.0	18.4
0.50	80.6	22.8
0.60	67.2	27.4
0.70	57.6	31.9
0.80	50.4	36.5
0.90	44.8	41.1
1.00	40.3	45.7
1.25	32.3	57.0
1.50	26.9	68.4
1.75	23.0	80.0
2.00	20.2	91.1
2.50	16.1	114.3
3.00	13.4	137.3
3.50	11.5	160.0
4.00	10.1	182.2
5.00	8.1	227.2
6.00	6.7	274.6

Based on % Timer

Pivot % Timer	IN Per 360 degrees	Hours Per 360 degrees
100.0	0.403	18.4
90.0	0.45	20.4
80.0	0.50	23.0
70.0	0.58	26.3
60.0	0.67	30.7
50.0	0.81	36.8
45.0	0.90	40.9
40.0	1.01	46.0
35.0	1.15	52.6
30.0	1.34	61.3
25.0	1.61	73.6
20.0	2.02	92.0
17.5	2.30	105.1
15.0	2.69	122.7
12.5	3.23	147.2
10.0	4.03	184.0
7.5	5.38	245.3
5.0	8.06	368.0

Field Area

141.2 (Ac) Total
121.4 (Ac) Pivot 360°
19.8 (Ac) EG on 100%
1297.5 (ft) Machine Length
101.7 (ft) End Gun Radius

Flow

1400 (GPM)
9.92 (GPM per Acre)
0.53 (in per day) App Rate
0.403 (in) App Depth @ 100%
118.6 (GPM) End Gun

Pressure

45 (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 22.5 Radial Retread Tire
52:1 Wheel GB Ratio, LRDU Dist 1261.2 (ft)
18.4 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 for accurate rotation time.

Water Resources

Received

JUN 22 2018

19005

STATE OF KANSAS

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



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

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

June 25, 2018

JARIS REGIER
7802 E 95TH AVE
BUHLER KS 67522

RE: Application
File No. 50067

Dear Sir or Madam:

Your application for permit to appropriate water in 13-23S-5W in Reno County, was received and has been assigned the file number noted above.

As a matter of record, the Division of Water Resources has on hand a large number of applications awaiting processing. Therefore to be fair to all concerned, and so that we can process those applications on hand in the order they were received, we intend to concentrate on the backlog of applications until the issue is resolved. Once review of your application has begun, we will contact you, if additional information is required.

In accordance with the provisions of the Kansas Water Appropriation Act, a portion of which is included below, the use of water as proposed prior to approval of the application is unlawful. Once approved, compliance with the terms, conditions and limitations of the permit is necessary. Conservation of the water resources of Kansas is required.

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

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

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

If you have any questions, please contact me at (785) 564-6637. If you wish to discuss a specific file, please have the file number ready so that we may help you more efficiently.

Sincerely,

Kristen A. Baum
New Applications Unit Supervisor
Water Appropriation Program

BAT: dlw
pc: STAFFORD Field Office
GMD 2

NEW APPLICATION MAP



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 plotten on the application map.

Jan A. Rej
Signature

6-20-2018
Date

- New Application
- Application No. ____ To Change:
- Point of Diversion
- Place of Use
- Use Made of Water

- Proposed Point of Diversion & Existing PD. 48881 & 49965
- Existing Points of Diversion
- Authorized Place of Use
- Proposed Place of Use

Water Resources Received

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KS Dept Of Agriculture

See attached for well owner information within 1/2 mile



Wells Within ½ Mile

1. Irrigation Wells – Water Permit No. 48505
Harold E. Swanson Trust
5500 E. Avenue G, Hutchinson, KS 67501
2. Domestic Well
Harold E. Swanson Trust ETAL
5500 E. Avenue G, Hutchinson, KS 67501
3. Domestic Well
DeVon L. & Linda S. Dettwiler
718 S. Mayfield Road, Hutchinson, KS 67501
4. Domestic Well
Kenneth Earl Jr. & Susan K. Huff
705 S. Mayfield Road, Hutchinson, KS 67501
5. Groundwater Pit – Recreational – Water Permit No. 46863
William H. Jr. & Zoe Shears Family Trust
c/o Commerce Trust Co.
101 E. 30th Avenue, Hutchinson, KS 67502
&
Girard Property LLC
3319 N. Prairie Hills Drive, Hutchinson, KS 67502
&
Lakeside Acres HOA Inc.
104 S. Obee Road, Hutchinson, KS 67501
6. Groundwater Pit – Recreational – Water Right No. 40964
Progeny Properties LLC
PO Box 96, Sterling, KS 67579
7. Domestic Well
Curtis W. Starks
7147 E. Zolman Road, Hutchinson, KS 67501

Water Resources
Received

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KS Dept Of Agriculture