

MEMORANDUM NO. L2.8
MEMORANDUM

To: File(s) 61-12148 and 61-10841

From: Sandy Hemenway

Date: May 14, 20013

Re: Review/Analysis for Application to Rent Water from the State Water Supply Bank

PURPOSE/NARRATIVE:

The purpose for this rental is to be able to irrigate 263.25 acres at the proposed place of use, where there are currently water rights in the water supply bank (61-12264 and 61-2266), but they have been rented out through 2016, and cannot be released from the bank until 2016. Documents were submitted confirming that each of the 2 pivots can run at 700 gpm each, with the total diversion required being 3.1 cfs to run the system (see attachment). The 2 water rights rented are limited by the following: 61-12148 (0.013 cfs/acre, 4.0 AF/acre) and 61-10841 (0.016 cfs/acre, 4.5 AF/acre). Additional cfs was required to meet the acres proposed for the POU. The fees were charged at the rental total of 1104.6 AF X \$17 per AF, but were limited to 1053.0 AF in accordance with the administrative area for the proposed POU.

AUTHORITY TO FILE:

The renter just purchased the property from M. Peter Nielsen where the POU and POD are located, and will be filing an ownership change for water rights 61-12264 and 61-12266. Tax Lot information that was updated on 12/27/2012 shows Peter Nielsen 4303 SW Easy, Mtn. Home, ID 83647 as the current owner (319.9 acres).

WATER RIGHT VALIDITY:

Both water rights 61-12148 and 61-10841 are active rights that are available for renting from the water supply bank. Both water rights were partial decreed on 10/26/2000.

INJURY TO OTHER WATER RIGHTS:

None.

ENLARGEMENT OF USE:

None.

LOCAL PUBLIC INTEREST:

Review staff has no information to suggest this application is inconsistent with the local public interest.

BENEFICIAL USE/CONSERVATION OF WATER RESOURCES:

The rental appears consistent with conservation of water resources in Idaho.

DEPARTMENT STAFF OR WATERMASTER COMMENTS:

None.

ADDITIONAL INFORMATION:

(1) ABOUT DISTRIBUTION SYSTEM:

Proposed POD was drilled in 1986; is not used for any other POU; 300 Hp Turbine, 10 inch discharge, 400 ft lift, system will run at 45 – 50 psi; 2 pivots.

(2) Background of Original Water Rights:

61-10841	4.6 cfs (0.016 cfs/acre)	1251.0 (4.5 AF/acre)	277.0 acres
61-12148	2.1 cfs (0.013 cfs/acre)	640.0 (4.0 AF/acre)	160.0 acres

To achieve the 3.2 cfs that was required to run 2 pivots, the entire water right 61-12148 was rented (2.1 cfs, 640.0 AF, 160.0 acres). From water right 61-10841, at 0.016 cfs/acre, it required 103.25 acres to be rented to achieve the proposed POU, and to be able to run the 2 pivots ($103.25 \text{ acres} \times 0.016 = 1.65 \text{ cfs}$). Then from the 103.25 acres $\times 4.5 \text{ af}$ from water right 61-10841 = 464.6 AF.

Renting:

61-10841	1.65cfs	103.25 acres	464.6 af* (at 4.5 AF/acre)
61-12148	2.10 cfs	160.00 acres	640.0 af* (at 4.0 AF/acre)
Total Rented	3.75 cfs	263.25 acres	1104.6 af*

*The renter is limited to a combined annual diversion volume of 263.25 acres $\times$ 4.0 AF/acre (for the administrative area of the proposed POU) = 1053.0 AF acre-feet, for the use authorized under the agreement.

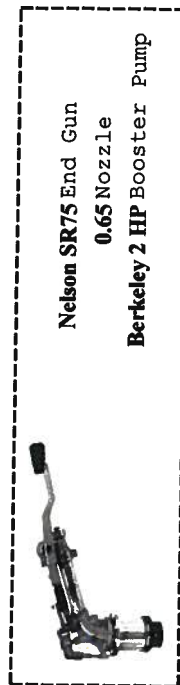
(3) FEES:

Based on 1104.6 AF* rented $\times$ \$17/af = \$18,778.20 annually thru 12/31/2016.

Valley Standard Pivot 7000 Machine Summary

Pressure Loss

Pipe Length Ft	Pipe I.D. In	Pipe Finish	C-Factor	Loss PSI
1280.4	6.42	Galvanized	150	7.3
18.1	3.79	Galvanized	150	0.3
Total =				7.6



Span Flow

Span Number	Irrigated Length	Acres	Rqd GPM	Act GPM	Rqd GPM/Acre	Act GPM/Acre	% Deviation
1	155.3	2.3	11.6	12.9	4.97	5.51	10.9
2	180.1	7.1	35.1	35.2	4.97	4.98	0.2
3	180.1	11.7	58.3	58.3	4.97	4.96	-0.1
4	180.1	16.4	81.6	81.7	4.97	4.98	0.2
5	180.1	21.1	104.8	104.6	4.97	4.96	-0.2
6	180.1	25.8	128.0	128.3	4.97	4.98	0.2
7	179.8	30.4	151.1	151.1	4.97	4.97	0.0
O/H	36.2	6.7	34.1	33.9	5.11	5.07	-0.6
EG	85.4	16.5	83.9	86.1	5.08	5.21	2.6
Totals		138		692.1			
Drain Sprinkler			9	9.2			
Total Machine Flow			701.3				

Advanced Options

Drain Sprinkler = Senninger Directional
Last Sprinkler Coverage = 1.0 ft
Sprinkler Coverage Length = 1299.5 ft
Use Last Coupler= YES
Minimum Mainline Pressure = 6.0 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



V-Chart

Valley Dealer

Sprinkler Shop Valley of Paul

375 W 100 S

PO Box 599

PAUL, ID 83347

UNITED STATES

Customer

RAY MONTIER

825 HEARTLAND DR

NAMPA, ID 83686-8156

UNITED STATES OF AMERICA

Dealer No.

00006494

Field Name

Montier #1

Parent Order No. **10965713**

Sprinkler Order No. **cmcmontierpivot1**

Plant **Idaho DC**

Dealer PO **Montier #1**

Order Date **05/13/2013**

Load Date **05/15/2013**

Method Of Shipment **UPSG**

7 Span Valley Standard Pivot 7000

Machine Flow 700 GPM

Pivot Pressure 25 PSI

Dealer **Sprinkler Shop Valley of Paul**
 Customer **RAY MONTIER**
 Field Name **Montier #1**

Sprinkler Order No **cmcmontierpivot1**

Valley Standard Pivot 7000 Machine Summary

Span and Overhang

Model	Qty	Length Pipe		Coupler	D. U.	
		Ft	O.D. In	Spacing	Qty	Profile Tire
7000	7	180.0	6 5/8	108	20	Standard 14.9 x 24 High Float
7000	1	36.0	6 5/8	110	6	

Messages

Caution:

1. **I-Wob, Nutator and Orbitor sprinklers require at least 24" of drop hose. Do not use slip weights or rigid drop materials. Do not install integrated weights on drop with double I-Wob or Nutator sprinklers.**

Dealer:

None

Sprinkler -- Available Outlets

Sprinkler Configuration

Senninger U-Pipe 6 Plastic 3/4 M NPT x 3/4 M NPT

Blue Premium Hose Drop Variable Length 54" Ground Clr

Nelson Regulator Blue Threaded 15 3/4 F NPT

Senninger OneWeight Integrated Weight 0.85

Senninger I-Wob - UP3 Std Angle 3/4 M NPT

Range (ft)

Outlets

4,40,1
41,140
142,143
145,146



1309.94 Ft Total Drop Hose Length

Field Area

138.1 Acres Total
121.6 Acres: Pivot 360°
16.5 EG on 100%
1298.5 Ft. Machine Length
85.4 Ft. End Gun Radius

Flow

700 Gallons Per Minute
5.07 GPM/Acre
0.27 In/Day App Rate
0.090 In. App Depth @ 100%
86.1 GPM End Gun

Pressure

25 PSI Pivot Pressure
Calculated Pressure
0.0 Ft. Highest Elevation
0.0 Ft. Lowest Elevation

LRDU Drive Train

68 RPM Center Drive @ 60 Hz freq.
14.9 x 24 High Float Tire
52:1 Wheel GB Ratio, LRDU Dist 1262.3 Ft.
8.0 Hrs/360° @ 100% (16.50) Ft/Min

Valley Standard Pivot 7000 Percent Timer Data**Setup Information - Valley Computer Control Panel Water Application Constants: Minimum Application = 0.090 Hours Per Revolution = 8.0****Based on Inches**

Inches Per 360 Degrees	Pivot % Timer	Hours Per 360 Degrees
0.090	100.0	8.0
0.10	89.6	8.9
0.20	44.8	17.9
0.30	29.9	26.8
0.40	22.4	35.7
0.50	17.9	44.7
0.60	14.9	53.7
0.70	12.8	62.5
0.80	11.2	71.4
0.90	10.0	80.0
1.00	9.0	88.9
1.25	7.2	111.1
1.50	6.0	133.3
1.75	5.1	156.9

Based on % Timer

Pivot % Timer	Inches Per 360 Degrees	Hours Per 360 Degrees
100.0	0.090	8.0
90.0	0.10	8.9
80.0	0.11	10.0
70.0	0.13	11.4
60.0	0.15	13.3
50.0	0.18	16.0
45.0	0.20	17.8
40.0	0.22	20.0
35.0	0.26	22.9
30.0	0.30	26.7
25.0	0.36	32.0
20.0	0.45	40.0
17.5	0.51	45.7
15.0	0.60	53.3
12.5	0.72	64.0
10.0	0.90	80.0
7.5	1.19	106.7
5.0	1.79	160.0

Field Area

138.1 Acres Total
121.6 Acres: Pivot 360°
16.5 EG on 100%
1298.5 Ft. Machine Length
85.4 Ft. End Gun Radius

Flow

700 Gallons Per Minute
5.07 GPM/Acre
0.27 In/Day App Rate
0.090 In. App Depth @ 100%
86.1 GPM End Gun

Pressure

25 PSI Pivot Pressure
Calculated Pressure
0.0 Ft. Highest Elevation
0.0 Ft. Lowest Elevation

LRDU Drive Train

68 RPM Center Drive @ 60 Hz freq.
14.9 x 24 High Float Tire
52:1 Wheel GB Ratio, LRDU Dist 1767.3 Ft.
8.0 Hrs/360 @ 100% (16.50) Ft/Min

Disclaimer

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

Valley Standard Pivot 7000 Machine Sprinkler Chart

Cpl No	Dist From Pivot	Spk No	Dist Last Spk	Nozzle Size	Color	Spk Model	Wear Pad	Drop Length	Regulator	Line PSI	Spk PSI	Rqd GPM	Act GPM
1	6.5			Gauge						25.0			
2	15.5			Plug									
3	24.5			Plug									
Sprinkler : Senninger Iwob - Up3													
4	33.5	1		6	Gold	I-Wob - UP3	Std Angle Black	121	Blue Threaded 15L	24.0	16.5	0.4	1.0
5	42.5		9.0	Plug									
6	51.5	2	18.0	6	Gold	I-Wob - UP3	Std Angle Black	131	Blue Threaded 15L	23.5	16.5	0.7	1.0
7	60.5		9.0	Plug									
8	69.5	3	18.0	6	Gold	I-Wob - UP3	Std Angle Black	137	Blue Threaded 15L	23.2	16.4	0.9	1.0
9	78.5		9.0	Plug									
10	87.5	4	18.0	6.5	Gold Notched	I-Wob - UP3	Std Angle Black	139	Blue Threaded 15L	22.9	16.3	1.1	1.2
11	96.4		8.9	Plug									
12	105.4	5	17.9	7	Lime	I-Wob - UP3	Std Angle Black	139	Blue Threaded 15L	22.7	16.3	1.4	1.4
13	114.4		9.0	Plug									
14	123.4	6	18.0	7.5	Lime Notched	I-Wob - UP3	Std Angle Black	136	Blue Threaded 15L	22.7	16.2	1.6	1.6
15	132.4		9.0	Plug									
16	141.3	7	17.9	8	Lavender	I-Wob - UP3	Std Angle Black	129	Blue Threaded 15L	22.8	16.1	1.8	1.8
17	150.3		9.0	Plug									
18	159.3	8	18.0	8.5	Lavender Notched	I-Wob - UP3	Std Angle Black	119	Blue Threaded 15L	23.0	16.1	2.1	2.1
19	168.3		9.0	Plug									
20	177.3	9	18.0	9	Grey	I-Wob - UP3	Std Angle Black	106	Blue Threaded 15L	23.3	16.0	2.3	2.3
	182.0				Span Length : 179.9								
21	186.6		9.3	Plug									
22	195.6	10	18.3	9.5	Grey Notched	I-Wob - UP3	Std Angle Black	113	Blue Threaded 15L	22.9	15.9	2.5	2.6
23	204.6		9.0	Plug									
24	213.6	11	18.0	10	Turquoise	I-Wob - UP3	Std Angle Black	125	Blue Threaded 15L	22.3	15.8	2.8	2.8
25	222.6		9.0	Plug									
26	231.6	12	18.0	10	Turquoise	I-Wob - UP3	Std Angle Black	134	Blue Threaded 15L	21.8	15.8	3.0	2.8
27	240.6		9.0	Plug									
28	249.6	13	18.0	11	Yellow	I-Wob - UP3	Std Angle Black	139	Blue Threaded 15L	21.5	15.7	3.2	3.4
29	258.6		9.0	Plug									

Customer RAY MONTIER

Field Name Montier #1

Valley Standard Pivot 7000 Machine Sprinkler Chart

Cpl No	Dist From Pivot	Spk No	Dist Last Spk	Nozzle Size	Color	Spk Model	Wear Pad	Drop Length	Regulator	Line PSI	Spk PSI	Rqd GPM	Act GPM
30	267.6	14	18.0	11	Yellow	I-Wob - UP3	Std Angle Black	142	Blue Threaded 15L	21.2	15.6	3.4	3.4
31	276.5		8.9	Plug									
32	285.5	15	17.9	11.5	Yellow Notched	I-Wob - UP3	Std Angle Black	141	Blue Threaded 15L	21.1	15.6	3.7	3.7
33	294.5		9.0	Plug									
34	303.5	16	18.0	11.5	Yellow Notched	I-Wob - UP3	Std Angle Black	137	Blue Threaded 15L	21.1	15.5	3.9	3.7
35	312.5		9.0	Plug									
36	321.4	17	17.9	12	Red	I-Wob - UP3	Std Angle Black	130	Blue Threaded 15L	21.2	15.4	4.1	4.0
37	330.4		9.0	Plug									
38	339.4	18	18.0	12.5	Red Notched	I-Wob - UP3	Std Angle Black	119	Blue Threaded 15L	21.4	15.4	4.4	4.4
39	348.4		9.0	Plug									
40	357.4	19	18.0	11.5	Yellow Notched	I-Wob - UP3	Std Angle Black	106	Blue Threaded 15L	21.8	15.6	3.5	3.7
41	366.7	20	9.3	9	Grey	I-Wob - UP3	Std Angle Black	106	Blue Threaded 15L	21.7	15.9	2.4	2.3
42	375.7	21	9.0	9.5	Grey Notched	I-Wob - UP3	Std Angle Black	113	Blue Threaded 15L	21.4	15.9	2.4	2.6
43	384.7	22	9.0	9.5	Grey Notched	I-Wob - UP3	Std Angle Black	119	Blue Threaded 15L	21.1	15.9	2.5	2.6
44	393.7	23	9.0	9.5	Grey Notched	I-Wob - UP3	Std Angle Black	125	Blue Threaded 15L	20.8	15.9	2.5	2.6
45	402.7	24	9.0	9.5	Grey Notched	I-Wob - UP3	Std Angle Black	130	Blue Threaded 15L	20.5	15.9	2.6	2.6
46	411.7	25	9.0	9.5	Grey Notched	I-Wob - UP3	Std Angle Black	134	Blue Threaded 15L	20.3	15.8	2.7	2.6
47	420.7	26	9.0	10	Turquoise	I-Wob - UP3	Std Angle Black	137	Blue Threaded 15L	20.1	15.8	2.7	2.8
48	429.7	27	9.0	10	Turquoise	I-Wob - UP3	Std Angle Black	139	Blue Threaded 15L	20.0	15.8	2.8	2.8
49	438.7	28	9.0	10	Turquoise	I-Wob - UP3	Std Angle Black	141	Blue Threaded 15L	19.9	15.8	2.8	2.8
50	447.7	29	9.0	10	Turquoise	I-Wob - UP3	Std Angle Black	142	Blue Threaded 15L	19.8	15.8	2.9	2.8
51	456.6	30	8.9	10	Turquoise	I-Wob - UP3	Std Angle Black	142	Blue Threaded 15L	19.7	15.8	2.9	2.8
52	465.6	31	9.0	10.5	Turq Notched	I-Wob - UP3	Std Angle Black	141	Blue Threaded 15L	19.7	15.7	3.0	3.1
53	474.6	32	9.0	10.5	Turq Notched	I-Wob - UP3	Std Angle Black	139	Blue Threaded 15L	19.7	15.7	3.1	3.1
54	483.6	33	9.0	10.5	Turq Notched	I-Wob - UP3	Std Angle Black	137	Blue Threaded 15L	19.7	15.7	3.1	3.1
55	492.6	34	9.0	10.5	Turq Notched	I-Wob - UP3	Std Angle Black	134	Blue Threaded 15L	19.7	15.7	3.2	3.1
56	501.5	35	8.9	10.5	Turq Notched	I-Wob - UP3	Std Angle Black	130	Blue Threaded 15L	19.8	15.7	3.2	3.1
57	510.5	36	9.0	11	Yellow	I-Wob - UP3	Std Angle Black	125	Blue Threaded 15L	19.9	15.6	3.3	3.4
58	519.5	37	9.0	11	Yellow	I-Wob - UP3	Std Angle Black	119	Blue Threaded 15L	20.1	15.6	3.3	3.4
59	528.5	38	9.0	11	Yellow	I-Wob - UP3	Std Angle Black	113	Blue Threaded 15L	20.2	15.6	3.4	3.4
60	537.5	39	9.0	11	Yellow	I-Wob - UP3	Std Angle Black	106	Blue Threaded 15L	20.4	15.6	3.5	3.4
61	546.8	40	9.3	11.5	Yellow Notched	I-Wob - UP3	Std Angle Black	106	Blue Threaded 15L	20.4	15.5	3.6	3.7

Span Length : 180.1

Tower Number : 2

Span Length : 180.1

Tower Number : 3

Valley Standard Pivot 7000 Machine Sprinkler Chart

Cpl No	Dist From Pivot	Spk No	Dist Last Spk	Nozzle Size	Color	Spk Model	Wear Pad	Drop Length	Regulator	Line PSI	Spk PSI	Rqd GPM	Act GPM
62	555.8	41	9.0	11	Yellow	I-Wob - UP3	Std Angle Black	113	Blue Threaded 15L	20.0	15.5	3.6	3.4
63	564.8	42	9.0	11.5	Yellow Notched	I-Wob - UP3	Std Angle Black	119	Blue Threaded 15L	19.7	15.5	3.6	3.7
64	573.8	43	9.0	11.5	Yellow Notched	I-Wob - UP3	Std Angle Black	125	Blue Threaded 15L	19.5	15.5	3.7	3.7
65	582.8	44	9.0	11.5	Yellow Notched	I-Wob - UP3	Std Angle Black	130	Blue Threaded 15L	19.3	15.5	3.8	3.7
66	591.8	45	9.0	11.5	Yellow Notched	I-Wob - UP3	Std Angle Black	134	Blue Threaded 15L	19.1	15.4	3.8	3.7
67	600.8	46	9.0	12	Red	I-Wob - UP3	Std Angle Black	137	Blue Threaded 15L	18.9	15.4	3.9	4.0
68	609.8	47	9.0	12	Red	I-Wob - UP3	Std Angle Black	139	Blue Threaded 15L	18.7	15.4	3.9	4.0
69	618.8	48	9.0	12	Red	I-Wob - UP3	Std Angle Black	141	Blue Threaded 15L	18.6	15.4	4.0	4.0
70	627.8	49	9.0	12	Red	I-Wob - UP3	Std Angle Black	142	Blue Threaded 15L	18.5	15.4	4.0	4.0
71	636.7	50	8.9	12	Red	I-Wob - UP3	Std Angle Black	142	Blue Threaded 15L	18.5	15.4	4.1	4.0
72	645.7	51	9.0	12	Red	I-Wob - UP3	Std Angle Black	141	Blue Threaded 15L	18.5	15.4	4.2	4.0
73	654.7	52	9.0	12.5	Red Notched	I-Wob - UP3	Std Angle Black	139	Blue Threaded 15L	18.5	15.4	4.2	4.4
74	663.7	53	9.0	12.5	Red Notched	I-Wob - UP3	Std Angle Black	137	Blue Threaded 15L	18.5	15.4	4.3	4.4
75	672.7	54	9.0	12.5	Red Notched	I-Wob - UP3	Std Angle Black	134	Blue Threaded 15L	18.6	15.4	4.3	4.4
76	681.6	55	8.9	12.5	Red Notched	I-Wob - UP3	Std Angle Black	130	Blue Threaded 15L	18.7	15.4	4.4	4.4
77	690.6	56	9.0	12.5	Red Notched	I-Wob - UP3	Std Angle Black	125	Blue Threaded 15L	18.8	15.4	4.5	4.4
78	699.6	57	9.0	12.5	Red Notched	I-Wob - UP3	Std Angle Black	119	Blue Threaded 15L	18.9	15.3	4.5	4.4
79	708.6	58	9.0	13	White	I-Wob - UP3	Std Angle Black	113	Blue Threaded 15L	19.1	15.3	4.6	4.7
80	717.6	59	9.0	13	White	I-Wob - UP3	Std Angle Black	106	Blue Threaded 15L	19.3	15.3	4.7	4.7
722.3				Tower Number : 4 Soan Length : 180.1									
81	726.9	60	9.3	13	White	I-Wob - UP3	Std Angle Black	106	Blue Threaded 15L	19.3	15.3	4.8	4.7
82	735.9	61	9.0	13	White	I-Wob - UP3	Std Angle Black	113	Blue Threaded 15L	19.0	15.3	4.7	4.7
83	744.9	62	9.0	13	White	I-Wob - UP3	Std Angle Black	119	Blue Threaded 15L	18.7	15.3	4.8	4.7
84	753.9	63	9.0	13	White	I-Wob - UP3	Std Angle Black	125	Blue Threaded 15L	18.5	15.3	4.9	4.7
85	762.9	64	9.0	13.5	White Notched	I-Wob - UP3	Std Angle Black	130	Blue Threaded 15L	18.2	15.3	4.9	5.1
86	771.9	65	9.0	13.5	White Notched	I-Wob - UP3	Std Angle Black	134	Blue Threaded 15L	18.1	15.3	5.0	5.1
87	780.9	66	9.0	13.5	White Notched	I-Wob - UP3	Std Angle Black	137	Blue Threaded 15L	17.9	15.3	5.0	5.1
88	789.9	67	9.0	13.5	White Notched	I-Wob - UP3	Std Angle Black	139	Blue Threaded 15L	17.8	15.3	5.1	5.1
89	798.9	68	9.0	13.5	White Notched	I-Wob - UP3	Std Angle Black	141	Blue Threaded 15L	17.7	15.3	5.2	5.1
90	807.9	69	9.0	13.5	White Notched	I-Wob - UP3	Std Angle Black	142	Blue Threaded 15L	17.6	15.3	5.2	5.1
91	816.8	70	8.9	13.5	White Notched	I-Wob - UP3	Std Angle Black	142	Blue Threaded 15L	17.6	15.3	5.2	5.1
92	825.8	71	9.0	14	Blue	I-Wob - UP3	Std Angle Black	141	Blue Threaded 15L	17.6	15.3	5.3	5.1
93	834.8	72	9.0	14	Blue	I-Wob - UP3	Std Angle Black	139	Blue Threaded 15L	17.6	15.2	5.3	5.5
94	843.8	73	9.0	14	Blue	I-Wob - UP3	Std Angle Black	137	Blue Threaded 15L	17.6	15.2	5.4	5.5

Customer RAY MONTIER

Field Name Montier #1

Valley Standard Pivot 7000 Machine Sprinkler Chart

Cpl No	Dist From Pivot	Spk No	Dist Last Spk	Nozzle Size	Color	Spk Model	Wear Pad	Drop Length	Regulator	Line PSI	Spk PSI	Rqd GPM	Act GPM
95	852.8	74	9.0	14	Blue	I-Wob - UP3	Std Angle Black	134	Blue Threaded 15L	17.7	15.2	5.5	5.5
96	861.7	75	8.9	14	Blue	I-Wob - UP3	Std Angle Black	130	Blue Threaded 15L	17.8	15.2	5.5	5.5
97	870.7	76	9.0	14	Blue	I-Wob - UP3	Std Angle Black	125	Blue Threaded 15L	18.0	15.2	5.6	5.5
98	879.7	77	9.0	14	Blue	I-Wob - UP3	Std Angle Black	119	Blue Threaded 15L	18.1	15.2	5.7	5.5
99	888.7	78	9.0	14.5	Blue Notched	I-Wob - UP3	Std Angle Black	113	Blue Threaded 15L	18.3	15.2	5.7	5.9
100	897.7	79	9.0	14.5	Blue Notched	I-Wob - UP3	Std Angle Black	106	Blue Threaded 15L	18.6	15.2	5.9	5.9
Tower Number : 5 Span Length : 180.1													
101	907.0	80	9.3	14.5	Blue Notched	I-Wob - UP3	Std Angle Black	106	Blue Threaded 15L	18.5	15.2	5.9	5.9
102	916.0	81	9.0	14.5	Blue Notched	I-Wob - UP3	Std Angle Black	113	Blue Threaded 15L	18.2	15.2	5.9	5.9
103	925.0	82	9.0	14.5	Blue Notched	I-Wob - UP3	Std Angle Black	119	Blue Threaded 15L	18.0	15.2	6.0	5.9
104	934.0	83	9.0	15	Dark Brown	I-Wob - UP3	Std Angle Black	125	Blue Threaded 15L	17.8	15.2	6.0	6.3
105	943.0	84	9.0	15	Dark Brown	I-Wob - UP3	Std Angle Black	130	Blue Threaded 15L	17.6	15.2	6.1	6.3
106	952.0	85	9.0	15	Dark Brown	I-Wob - UP3	Std Angle Black	134	Blue Threaded 15L	17.4	15.2	6.1	6.3
107	961.0	86	9.0	14.5	Blue Notched	I-Wob - UP3	Std Angle Black	137	Blue Threaded 15L	17.2	15.2	6.2	5.9
108	970.0	87	9.0	15	Dark Brown	I-Wob - UP3	Std Angle Black	139	Blue Threaded 15L	17.1	15.2	6.3	6.3
109	979.0	88	9.0	15	Dark Brown	I-Wob - UP3	Std Angle Black	141	Blue Threaded 15L	17.0	15.1	6.3	6.3
110	988.0	89	9.0	15	Dark Brown	I-Wob - UP3	Std Angle Black	142	Blue Threaded 15L	17.0	15.1	6.3	6.3
111	996.9	90	8.9	15.5	Dark Brn Notched	I-Wob - UP3	Std Angle Black	142	Blue Threaded 15L	17.0	15.1	6.4	6.7
112	1005.9	91	9.0	15	Dark Brown	I-Wob - UP3	Std Angle Black	141	Blue Threaded 15L	17.0	15.1	6.5	6.3
113	1014.9	92	9.0	15.5	Dark Brn Notched	I-Wob - UP3	Std Angle Black	139	Blue Threaded 15L	17.0	15.1	6.5	6.7
114	1023.9	93	9.0	15.5	Dark Brn Notched	I-Wob - UP3	Std Angle Black	137	Blue Threaded 15L	17.1	15.1	6.6	6.7
115	1032.9	94	9.0	15.5	Dark Brn Notched	I-Wob - UP3	Std Angle Black	134	Blue Threaded 15L	17.2	15.1	6.6	6.7
116	1041.8	95	8.9	15.5	Dark Brn Notched	I-Wob - UP3	Std Angle Black	130	Blue Threaded 15L	17.3	15.1	6.7	6.7
117	1050.8	96	9.0	15.5	Dark Brn Notched	I-Wob - UP3	Std Angle Black	125	Blue Threaded 15L	17.5	15.1	6.8	6.7
118	1059.8	97	9.0	15.5	Dark Brn Notched	I-Wob - UP3	Std Angle Black	119	Blue Threaded 15L	17.6	15.1	6.8	6.7
119	1068.8	98	9.0	16	Orange	I-Wob - UP3	Std Angle Black	113	Blue Threaded 15L	17.9	15.1	6.9	7.1
120	1077.8	99	9.0	16	Orange	I-Wob - UP3	Std Angle Black	106	Blue Threaded 15L	18.1	15.1	7.1	7.1
Tower Number : 6 Span Length : 180.1													
121	1087.1	100	9.3	16	Orange	I-Wob - UP3	Std Angle Black	106	Blue Threaded 15L	18.1	15.1	7.1	7.1
122	1096.1	101	9.0	16	Orange	I-Wob - UP3	Std Angle Black	113	Blue Threaded 15L	17.8	15.1	7.1	7.1
123	1105.1	102	9.0	16	Orange	I-Wob - UP3	Std Angle Black	119	Blue Threaded 15L	17.6	15.1	7.1	7.1
124	1114.1	103	9.0	16	Orange	I-Wob - UP3	Std Angle Black	125	Blue Threaded 15L	17.4	15.1	7.2	7.1
125	1123.1	104	9.0	16	Orange	I-Wob - UP3	Std Angle Black	130	Blue Threaded 15L	17.2	15.1	7.2	7.1
126	1132.1	105	9.0	16	Orange	I-Wob - UP3	Std Angle Black	134	Blue Threaded 15L	17.0	15.1	7.3	7.1

Customer RAY MONTIER

Field Name Montier #1

Valley Standard Pivot 7000 Machine Sprinkler Chart

Cpl No	Dist From Pivot	Spk No	Dist Last Spk	Nozzle Size	Color	Spk Model	Wear Pad	Drop Length	Regulator	Line PSI	Spk PSI	Rqd GPM	Act GPM
127	1141.1	106	9.0	16.5	Orange Notched	I-Wob - UP3	Std Angle Black	137	Blue Threaded 15L	16.9	15.0	7.4	7.6
128	1150.1	107	9.0	16.5	Orange Notched	I-Wob - UP3	Std Angle Black	139	Blue Threaded 15L	16.8	15.0	7.4	7.6
129	1159.1	108	9.0	16.5	Orange Notched	I-Wob - UP3	Std Angle Black	141	Blue Threaded 15L	16.7	15.0	7.5	7.6
130	1168.1	109	9.0	16.5	Orange Notched	I-Wob - UP3	Std Angle Black	142	Blue Threaded 15L	16.7	15.0	7.5	7.6
131	1177.0	110	8.9	16.5	Orange Notched	I-Wob - UP3	Std Angle Black	142	Blue Threaded 15L	16.7	15.0	7.5	7.6
132	1186.0	111	9.0	16.5	Orange Notched	I-Wob - UP3	Std Angle Black	141	Blue Threaded 15L	16.7	15.0	7.6	7.6
133	1195.0	112	9.0	16.5	Orange Notched	I-Wob - UP3	Std Angle Black	139	Blue Threaded 15L	16.7	15.0	7.7	7.6
134	1204.0	113	9.0	16.5	Orange Notched	I-Wob - UP3	Std Angle Black	137	Blue Threaded 15L	16.8	15.0	7.8	7.6
135	1213.0	114	9.0	17	Dark Green	I-Wob - UP3	Std Angle Black	133	Blue Threaded 15L	16.9	15.0	7.8	8.0
136	1221.9	115	8.9	17	Dark Green	I-Wob - UP3	Std Angle Black	129	Blue Threaded 15L	17.1	15.0	7.8	8.0
137	1230.9	116	9.0	17	Dark Green	I-Wob - UP3	Std Angle Black	125	Blue Threaded 15L	17.2	15.0	7.9	8.0
138	1239.9	117	9.0	17	Dark Green	I-Wob - UP3	Std Angle Black	119	Blue Threaded 15L	17.4	15.0	8.0	8.0
139	1248.9	118	9.0	17	Dark Green	I-Wob - UP3	Std Angle Black	113	Blue Threaded 15L	17.7	15.0	8.1	8.0
140	1257.9	119	9.0	17	Dark Green	I-Wob - UP3	Std Angle Black	105	Blue Threaded 15L	17.9	15.0	8.0	8.0
141	1261.7		3.8	B.P.									

Tower Number : 7 Span Length : 179.8

142	1266.7	120	8.8	17	Dark Green	I-Wob - UP3	Std Angle Black	104	Blue Threaded 15L	18.0	15.0	8.2	8.0
143	1275.9	121	9.2	17.5	Dark Grn Notched	I-Wob - UP3	Std Angle Black	108	Blue Threaded 15L	17.8	15.0	8.3	8.5
144	1279.4		3.5	Plug									
145	1284.8	122	8.9	17	Dark Green	I-Wob - UP3	Std Angle Black	112	Blue Threaded 15L	17.6	15.0	8.3	8.0
146	1294.0	123	9.2	18.5	Purple Notched	I-Wob - UP3	Std Angle Black	117	Blue Threaded 15L	17.5	14.8	9.4	9.5

Sprinkler : Senninger Spray



147	1297.5	124	3.5	18	Purple	Directional				17.4	17.4	9.0	9.2
1298.5				Overhang									

Span Length : 36.2

Sprinkler : Nelson Endgun



148	1298.5	125	1.0	0.65		SR75				17.4	48.7	83.9	86.1
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Endgun Arc Settings: Forward Angle: 45 Reverse Angle: 80

701.3



V-Chart

Valley Dealer

Sprinkler Shop Valley of Paul

375 W 100 S

PO Box 599

PAUL, ID 83347

UNITED STATES

Customer

RAY MONTIER

825 HEARTLAND DR

NAMPA, ID 83686

UNITED STATES OF AMERICA

Dealer No.

00006494

Field Name

Montier #2

Parent Order No. **10965714**

Sprinkler Order No. **cmcmontierpivot2**

Plant **Idaho DC**

Dealer PO **Montier #2**

Order Date **05/13/2013**

Load Date **05/15/2013**

Method Of Shipment **UPSG**

7 Span Valley Standard Pivot 7000

Machine Flow 700 GPM

Pivot Pressure 25 PSI

Valley Standard Pivot 7000 Machine Summary

Span and Overhang

Model	Qty	Length Pipe		Coupler	D. U.
		Ft	O.D. In	Spacing	Qty Profile Tire
7000	7	180.0	6 5/8	108	20 Standard
7000	1	36.0	6 5/8	110	6 14.9 x 24 High Float

Messages

Caution:

1. I-Wob, Nutator and Orbitor sprinklers require at least 24" of drop hose. Do not use slip weights or rigid drop materials. Do not install integrated weights on drop with double I-Wob or Nutator sprinklers.

Dealer:

None

Sprinkler -- Available Outlets

Sprinkler Configuration

Senninger U-Pipe 6 Plastic 3/4 M NPT x 3/4 M NPT

Blue Premium Hose Drop Variable Length 54" Ground Clr

Nelson Regulator Blue Threaded 15 3/4 F NPT

Senninger OneWeight Integrated Weight 0.85

Senninger I-Wob - UP3 Std Angle 3/4 M NPT

Range (ft)

Outlets

4,40,1

41,140

142,143

145,146



1309.94 Ft Total Drop Hose Length

Field Area

138.1 Acres Total
121.6 Acres: Pivot 360°
16.5 EG on 100%
1298.5 Ft. Machine Length
85.4 Ft. End Gun Radius

Flow

700 Gallons Per Minute
5.07 GPM/Acre
0.27 In/Day App Rate
0.090 In. App Depth @ 100%
86.1 GPM End Gun

Pressure

25 PSI Pivot Pressure
Calculated Pressure
0.0 Ft. Highest Elevation
0.0 Ft. Lowest Elevation

LRDU Drive Train

68 RPM Center Drive @ 60 Hz freq.
14.9 x 24 **High Float** Tire
52:1 Wheel GB Ratio, LRDU Dist 1262.3 Ft.
8.0 Hrs/360° @ 100% (16.50) Ft/Min

Valley Standard Pivot 7000 Machine Summary

Pressure Loss

Pipe Length Ft	Pipe I.D. In	Pipe Finish	C-Factor	Loss PSI
1280.4	6.42	Galvanized	150	7.3
18.1	3.79	Galvanized	150	0.3
Total =				7.6



Nelson SR75 End Gun
0.65 Nozzle
Berkeley 2 HP Booster Pump

Span Flow

Span Number	Irrigated Length	Acres	Rqd GPM	Act GPM	Rqd GPM/Acre	Act GPM/Acre	% Deviation
1	155.3	2.3	11.6	12.9	4.97	5.51	10.9
2	180.1	7.1	35.1	35.2	4.97	4.98	0.2
3	180.1	11.7	58.3	58.3	4.97	4.96	-0.1
4	180.1	16.4	81.6	81.7	4.97	4.98	0.2
5	180.1	21.1	104.8	104.6	4.97	4.96	-0.2
6	180.1	25.8	128.0	128.3	4.97	4.98	0.2
7	179.8	30.4	151.1	151.1	4.97	4.97	0.0
O/H	36.2	6.7	34.1	33.9	5.11	5.07	-0.6
EG	85.4	16.5	83.9	86.1	5.08	5.21	2.6
Totals		138		692.1			
Drain Sprinkler			9	9.2			
Total Machine Flow				701.3			

Advanced Options

Drain Sprinkler = Senninger Directional
Last Sprinkler Coverage = 1.0 ft
Sprinkler Coverage Length = 1299.5 ft
Use Last Coupler= YES
Minimum Mainline Pressure = 6.0 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

Customer RAY MONTIER

Field Name Montier #2

Valley Standard Pivot 7000 Percent Timer Data**Setup Information - Valley Computer Control Panel Water Application Constants: Minimum Application = 0.090 Hours Per Revolution = 8.0****Based on Inches**

Inches Per 360 Degrees	Pivot % Timer	Hours Per 360 Degrees
0.090	100.0	8.0
0.10	89.6	8.9
0.20	44.8	17.9
0.30	29.9	26.8
0.40	22.4	35.7
0.50	17.9	44.7
0.60	14.9	53.7
0.70	12.8	62.5
0.80	11.2	71.4
0.90	10.0	80.0
1.00	9.0	88.9
1.25	7.2	111.1
1.50	6.0	133.3
1.75	5.1	156.9

Based on % Timer

Pivot % Timer	Inches Per 360 Degrees	Hours Per 360 Degrees
100.0	0.090	8.0
90.0	0.10	8.9
80.0	0.11	10.0
70.0	0.13	11.4
60.0	0.15	13.3
50.0	0.18	16.0
45.0	0.20	17.8
40.0	0.22	20.0
35.0	0.26	22.9
30.0	0.30	26.7
25.0	0.36	32.0
20.0	0.45	40.0
17.5	0.51	45.7
15.0	0.60	53.3
12.5	0.72	64.0
10.0	0.90	80.0
7.5	1.19	106.7
5.0	1.79	160.0

Field Area

138.1 Acres Total
 121.6 Acres: Pivot 360°
 16.5 EG on 100%
 1298.5 Ft. Machine Length
 85.4 Ft. End Gun Radius

Flow

700 Gallons Per Minute
 5.07 GPM/Acre
 0.27 In/Day App Rate
 0.090 In. App Depth @ 100%
 86.1 GPM End Gun

Pressure

25 PSI Pivot Pressure
Calculated Pressure
 0.0 Ft. Highest Elevation
 0.0 Ft. Lowest Elevation

LRDU Drive Train

68 RPM Center Drive @ 60 Hz freq.
 14.9 x 24 High Float Tire
 52:1 Wheel GB Ratio, LRDU Dist 1762 Ft.
 8.0 Hrs/360 @ 100% (16.50) Ft/Min

Disclaimer

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

Valley Standard Pivot 7000 Machine Sprinkler Chart

Cpl No	Dist From Pivot	Spk No	Dist Last Spk	Nozzle Size	Color	Spk Model	Wear Pad	Drop Length	Regulator	Line PSI	Spk PSI	Rqd GPM	Act GPM
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1	6.5									25.0			
2	15.5												
3	24.5												

Gauge
Plug
Plug

**Sprinkler : Senninger Iwob - Up3**

4	33.5	1		6	Gold	I-Wob - UP3	Std Angle Black	121	Blue Threaded 15L	24.0	16.5	0.4	1.0
5	42.5		9.0	Plug									
6	51.5	2	18.0	6	Gold	I-Wob - UP3	Std Angle Black	131	Blue Threaded 15L	23.5	16.5	0.7	1.0
7	60.5		9.0	Plug									
8	69.5	3	18.0	6	Gold	I-Wob - UP3	Std Angle Black	137	Blue Threaded 15L	23.2	16.4	0.9	1.0
9	78.5		9.0	Plug									
10	87.5	4	18.0	6.5	Gold Notched	I-Wob - UP3	Std Angle Black	139	Blue Threaded 15L	22.9	16.3	1.1	1.2
11	96.4		8.9	Plug									
12	105.4	5	17.9	7	Lime	I-Wob - UP3	Std Angle Black	139	Blue Threaded 15L	22.7	16.3	1.4	1.4
13	114.4		9.0	Plug									
14	123.4	6	18.0	7.5	Lime Notched	I-Wob - UP3	Std Angle Black	136	Blue Threaded 15L	22.7	16.2	1.6	1.6
15	132.4		9.0	Plug									
16	141.3	7	17.9	8	Lavender	I-Wob - UP3	Std Angle Black	129	Blue Threaded 15L	22.8	16.1	1.8	1.8
17	150.3		9.0	Plug									
18	159.3	8	18.0	8.5	Lavender Notched	I-Wob - UP3	Std Angle Black	119	Blue Threaded 15L	23.0	16.1	2.1	2.1
19	168.3		9.0	Plug									
20	177.3	9	18.0	9	Grey	I-Wob - UP3	Std Angle Black	106	Blue Threaded 15L	23.3	16.0	2.3	2.3
21	186.6		9.3	Plug									
22	195.6	10	18.3	9.5	Grey Notched	I-Wob - UP3	Std Angle Black	113	Blue Threaded 15L	22.9	15.9	2.5	2.6
23	204.6		9.0	Plug									
24	213.6	11	18.0	10	Turquoise	I-Wob - UP3	Std Angle Black	125	Blue Threaded 15L	22.3	15.8	2.8	2.8
25	222.6		9.0	Plug									
26	231.6	12	18.0	10	Turquoise	I-Wob - UP3	Std Angle Black	134	Blue Threaded 15L	21.8	15.8	3.0	2.8
27	240.6		9.0	Plug									
28	249.6	13	18.0	11	Yellow	I-Wob - UP3	Std Angle Black	139	Blue Threaded 15L	21.5	15.7	3.2	3.4
29	258.6		9.0	Plug									

Tower Number : 1 Span Length : 179.9

Valley Standard Pivot 7000 Machine Sprinkler Chart

Cpl No	Dist From Pivot	Spk No	Dist Last Spk	Nozzle Size	Color	Spk Model	Wear Pad	Drop Length	Regulator	Line PSI	Spk PSI	Rqd GPM	Act GPM
30	267.6	14	18.0	11	Yellow	I-Wob - UP3	Std Angle Black	142	Blue Threaded 15L	21.2	15.6	3.4	3.4
31	276.5		8.9	Plug									
32	285.5	15	17.9	11.5	Yellow Notched	I-Wob - UP3	Std Angle Black	141	Blue Threaded 15L	21.1	15.6	3.7	3.7
33	294.5		9.0	Plug									
34	303.5	16	18.0	11.5	Yellow Notched	I-Wob - UP3	Std Angle Black	137	Blue Threaded 15L	21.1	15.5	3.9	3.7
35	312.5		9.0	Plug									
36	321.4	17	17.9	12	Red	I-Wob - UP3	Std Angle Black	130	Blue Threaded 15L	21.2	15.4	4.1	4.0
37	330.4		9.0	Plug									
38	339.4	18	18.0	12.5	Red Notched	I-Wob - UP3	Std Angle Black	119	Blue Threaded 15L	21.4	15.4	4.4	4.4
39	348.4		9.0	Plug									
40	357.4	19	18.0	11.5	Yellow Notched	I-Wob - UP3	Std Angle Black	106	Blue Threaded 15L	21.8	15.6	3.5	3.7
362.1					Span Length : 180.1								
41	366.7	20	9.3	9	Grey	I-Wob - UP3	Std Angle Black	106	Blue Threaded 15L	21.7	15.9	2.4	2.3
42	375.7	21	9.0	9.5	Grey Notched	I-Wob - UP3	Std Angle Black	113	Blue Threaded 15L	21.4	15.9	2.4	2.6
43	384.7	22	9.0	9.5	Grey Notched	I-Wob - UP3	Std Angle Black	119	Blue Threaded 15L	21.1	15.9	2.5	2.6
44	393.7	23	9.0	9.5	Grey Notched	I-Wob - UP3	Std Angle Black	125	Blue Threaded 15L	20.8	15.9	2.5	2.6
45	402.7	24	9.0	9.5	Grey Notched	I-Wob - UP3	Std Angle Black	130	Blue Threaded 15L	20.5	15.9	2.6	2.6
46	411.7	25	9.0	9.5	Grey Notched	I-Wob - UP3	Std Angle Black	134	Blue Threaded 15L	20.3	15.8	2.7	2.6
47	420.7	26	9.0	10	Turquoise	I-Wob - UP3	Std Angle Black	137	Blue Threaded 15L	20.1	15.8	2.7	2.8
48	429.7	27	9.0	10	Turquoise	I-Wob - UP3	Std Angle Black	139	Blue Threaded 15L	20.0	15.8	2.8	2.8
49	438.7	28	9.0	10	Turquoise	I-Wob - UP3	Std Angle Black	141	Blue Threaded 15L	19.9	15.8	2.8	2.8
50	447.7	29	9.0	10	Turquoise	I-Wob - UP3	Std Angle Black	142	Blue Threaded 15L	19.8	15.8	2.9	2.8
51	456.6	30	8.9	10	Turquoise	I-Wob - UP3	Std Angle Black	142	Blue Threaded 15L	19.7	15.8	2.9	2.8
52	465.6	31	9.0	10.5	Turq Notched	I-Wob - UP3	Std Angle Black	141	Blue Threaded 15L	19.7	15.7	3.0	3.1
53	474.6	32	9.0	10.5	Turq Notched	I-Wob - UP3	Std Angle Black	139	Blue Threaded 15L	19.7	15.7	3.1	3.1
54	483.6	33	9.0	10.5	Turq Notched	I-Wob - UP3	Std Angle Black	137	Blue Threaded 15L	19.7	15.7	3.1	3.1
55	492.6	34	9.0	10.5	Turq Notched	I-Wob - UP3	Std Angle Black	134	Blue Threaded 15L	19.7	15.7	3.2	3.1
56	501.5	35	8.9	10.5	Turq Notched	I-Wob - UP3	Std Angle Black	130	Blue Threaded 15L	19.8	15.7	3.2	3.1
57	510.5	36	9.0	11	Yellow	I-Wob - UP3	Std Angle Black	125	Blue Threaded 15L	19.9	15.6	3.3	3.4
58	519.5	37	9.0	11	Yellow	I-Wob - UP3	Std Angle Black	119	Blue Threaded 15L	20.1	15.6	3.3	3.4
59	528.5	38	9.0	11	Yellow	I-Wob - UP3	Std Angle Black	113	Blue Threaded 15L	20.2	15.6	3.4	3.4
60	537.5	39	9.0	11	Yellow	I-Wob - UP3	Std Angle Black	106	Blue Threaded 15L	20.4	15.6	3.5	3.4
542.2					Span Length : 180.1								
61	546.8	40	9.3	11.5	Yellow Notched	I-Wob - UP3	Std Angle Black	106	Blue Threaded 15L	20.4	15.5	3.6	3.7

Customer RAY MONTIER

Field Name Montier #2

Valley Standard Pivot 7000 Machine Sprinkler Chart

Cpl No	Dist From Pivot	Spk No	Dist Last Spk	Nozzle Size	Color	Spk Model	Wear Pad	Drop Length	Regulator	Line PSI	Spk PSI	Rqd GPM	Act GPM
62	555.8	41	9.0	11	Yellow	I-Wob - UP3	Std Angle Black	113	Blue Threaded 15L	20.0	15.5	3.6	3.4
63	564.8	42	9.0	11.5	Yellow Notched	I-Wob - UP3	Std Angle Black	119	Blue Threaded 15L	19.7	15.5	3.6	3.7
64	573.8	43	9.0	11.5	Yellow Notched	I-Wob - UP3	Std Angle Black	125	Blue Threaded 15L	19.5	15.5	3.7	3.7
65	582.8	44	9.0	11.5	Yellow Notched	I-Wob - UP3	Std Angle Black	130	Blue Threaded 15L	19.3	15.5	3.8	3.7
66	591.8	45	9.0	11.5	Yellow Notched	I-Wob - UP3	Std Angle Black	134	Blue Threaded 15L	19.1	15.4	3.8	3.7
67	600.8	46	9.0	12	Red	I-Wob - UP3	Std Angle Black	137	Blue Threaded 15L	18.9	15.4	3.9	4.0
68	609.8	47	9.0	12	Red	I-Wob - UP3	Std Angle Black	139	Blue Threaded 15L	18.7	15.4	3.9	4.0
69	618.8	48	9.0	12	Red	I-Wob - UP3	Std Angle Black	141	Blue Threaded 15L	18.6	15.4	4.0	4.0
70	627.8	49	9.0	12	Red	I-Wob - UP3	Std Angle Black	142	Blue Threaded 15L	18.5	15.4	4.0	4.0
71	636.7	50	8.9	12	Red	I-Wob - UP3	Std Angle Black	142	Blue Threaded 15L	18.5	15.4	4.1	4.0
72	645.7	51	9.0	12	Red	I-Wob - UP3	Std Angle Black	141	Blue Threaded 15L	18.5	15.4	4.2	4.0
73	654.7	52	9.0	12.5	Red Notched	I-Wob - UP3	Std Angle Black	139	Blue Threaded 15L	18.5	15.4	4.2	4.4
74	663.7	53	9.0	12.5	Red Notched	I-Wob - UP3	Std Angle Black	137	Blue Threaded 15L	18.5	15.4	4.3	4.4
75	672.7	54	9.0	12.5	Red Notched	I-Wob - UP3	Std Angle Black	134	Blue Threaded 15L	18.6	15.4	4.3	4.4
76	681.6	55	8.9	12.5	Red Notched	I-Wob - UP3	Std Angle Black	130	Blue Threaded 15L	18.7	15.4	4.4	4.4
77	690.6	56	9.0	12.5	Red Notched	I-Wob - UP3	Std Angle Black	125	Blue Threaded 15L	18.8	15.4	4.5	4.4
78	699.6	57	9.0	12.5	Red Notched	I-Wob - UP3	Std Angle Black	119	Blue Threaded 15L	18.9	15.3	4.5	4.4
79	708.6	58	9.0	13	White	I-Wob - UP3	Std Angle Black	113	Blue Threaded 15L	19.1	15.3	4.6	4.7
80	717.6	59	9.0	13	White	I-Wob - UP3	Std Angle Black	106	Blue Threaded 15L	19.3	15.3	4.7	4.7
722.3				Tower Number : 4 Span Length : 180.1									
81	726.9	60	9.3	13	White	I-Wob - UP3	Std Angle Black	106	Blue Threaded 15L	19.3	15.3	4.8	4.7
82	735.9	61	9.0	13	White	I-Wob - UP3	Std Angle Black	113	Blue Threaded 15L	19.0	15.3	4.7	4.7
83	744.9	62	9.0	13	White	I-Wob - UP3	Std Angle Black	119	Blue Threaded 15L	18.7	15.3	4.8	4.7
84	753.9	63	9.0	13	White	I-Wob - UP3	Std Angle Black	125	Blue Threaded 15L	18.5	15.3	4.9	4.7
85	762.9	64	9.0	13.5	White Notched	I-Wob - UP3	Std Angle Black	130	Blue Threaded 15L	18.2	15.3	4.9	5.1
86	771.9	65	9.0	13.5	White Notched	I-Wob - UP3	Std Angle Black	134	Blue Threaded 15L	18.1	15.3	5.0	5.1
87	780.9	66	9.0	13.5	White Notched	I-Wob - UP3	Std Angle Black	137	Blue Threaded 15L	17.9	15.3	5.0	5.1
88	789.9	67	9.0	13.5	White Notched	I-Wob - UP3	Std Angle Black	139	Blue Threaded 15L	17.8	15.3	5.1	5.1
89	798.9	68	9.0	13.5	White Notched	I-Wob - UP3	Std Angle Black	141	Blue Threaded 15L	17.7	15.3	5.2	5.1
90	807.9	69	9.0	13.5	White Notched	I-Wob - UP3	Std Angle Black	142	Blue Threaded 15L	17.6	15.3	5.2	5.1
91	816.8	70	8.9	13.5	White Notched	I-Wob - UP3	Std Angle Black	142	Blue Threaded 15L	17.6	15.3	5.2	5.1
92	825.8	71	9.0	14	Blue	I-Wob - UP3	Std Angle Black	141	Blue Threaded 15L	17.6	15.2	5.3	5.5
93	834.8	72	9.0	14	Blue	I-Wob - UP3	Std Angle Black	139	Blue Threaded 15L	17.6	15.2	5.4	5.5
94	843.8	73	9.0	14	Blue	I-Wob - UP3	Std Angle Black	137	Blue Threaded 15L	17.6	15.2	5.4	5.5

Valley Standard Pivot 7000 Machine Sprinkler Chart

Cpl No	Dist From Pivot	Spk No	Dist Last Spk	Nozzle Size	Color	Spk Model	Wear Pad	Drop Length	Regulator	Line PSI	Spk PSI	Rqd GPM	Act GPM
95	852.8	74	9.0	14	Blue	I-Wob - UP3	Std Angle Black	134	Blue Threaded 15L	17.7	15.2	5.5	5.5
96	861.7	75	8.9	14	Blue	I-Wob - UP3	Std Angle Black	130	Blue Threaded 15L	17.8	15.2	5.5	5.5
97	870.7	76	9.0	14	Blue	I-Wob - UP3	Std Angle Black	125	Blue Threaded 15L	18.0	15.2	5.6	5.5
98	879.7	77	9.0	14	Blue	I-Wob - UP3	Std Angle Black	119	Blue Threaded 15L	18.1	15.2	5.7	5.5
99	888.7	78	9.0	14.5	Blue Notched	I-Wob - UP3	Std Angle Black	113	Blue Threaded 15L	18.3	15.2	5.7	5.9
100	897.7	79	9.0	14.5	Blue Notched	I-Wob - UP3	Std Angle Black	106	Blue Threaded 15L	18.6	15.2	5.9	5.9
Tower Number : 5 Span Length : 180.1													
101	907.0	80	9.3	14.5	Blue Notched	I-Wob - UP3	Std Angle Black	106	Blue Threaded 15L	18.5	15.2	5.9	5.9
102	916.0	81	9.0	14.5	Blue Notched	I-Wob - UP3	Std Angle Black	113	Blue Threaded 15L	18.2	15.2	5.9	5.9
103	925.0	82	9.0	14.5	Blue Notched	I-Wob - UP3	Std Angle Black	119	Blue Threaded 15L	18.0	15.2	6.0	5.9
104	934.0	83	9.0	15	Dark Brown	I-Wob - UP3	Std Angle Black	125	Blue Threaded 15L	17.8	15.2	6.0	6.3
105	943.0	84	9.0	15	Dark Brown	I-Wob - UP3	Std Angle Black	130	Blue Threaded 15L	17.6	15.2	6.1	6.3
106	952.0	85	9.0	15	Dark Brown	I-Wob - UP3	Std Angle Black	134	Blue Threaded 15L	17.4	15.2	6.1	6.3
107	961.0	86	9.0	14.5	Blue Notched	I-Wob - UP3	Std Angle Black	137	Blue Threaded 15L	17.2	15.2	6.2	5.9
108	970.0	87	9.0	15	Dark Brown	I-Wob - UP3	Std Angle Black	139	Blue Threaded 15L	17.1	15.2	6.3	6.3
109	979.0	88	9.0	15	Dark Brown	I-Wob - UP3	Std Angle Black	141	Blue Threaded 15L	17.0	15.1	6.3	6.3
110	988.0	89	9.0	15	Dark Brown	I-Wob - UP3	Std Angle Black	142	Blue Threaded 15L	17.0	15.1	6.3	6.3
111	996.9	90	8.9	15.5	Dark Brn Notched	I-Wob - UP3	Std Angle Black	142	Blue Threaded 15L	17.0	15.1	6.4	6.7
112	1005.9	91	9.0	15	Dark Brown	I-Wob - UP3	Std Angle Black	141	Blue Threaded 15L	17.0	15.1	6.5	6.3
113	1014.9	92	9.0	15.5	Dark Brn Notched	I-Wob - UP3	Std Angle Black	139	Blue Threaded 15L	17.0	15.1	6.5	6.7
114	1023.9	93	9.0	15.5	Dark Brn Notched	I-Wob - UP3	Std Angle Black	137	Blue Threaded 15L	17.1	15.1	6.6	6.7
115	1032.9	94	9.0	15.5	Dark Brn Notched	I-Wob - UP3	Std Angle Black	134	Blue Threaded 15L	17.2	15.1	6.6	6.7
116	1041.8	95	8.9	15.5	Dark Brn Notched	I-Wob - UP3	Std Angle Black	130	Blue Threaded 15L	17.3	15.1	6.7	6.7
117	1050.8	96	9.0	15.5	Dark Brn Notched	I-Wob - UP3	Std Angle Black	125	Blue Threaded 15L	17.5	15.1	6.8	6.7
118	1059.8	97	9.0	15.5	Dark Brn Notched	I-Wob - UP3	Std Angle Black	119	Blue Threaded 15L	17.6	15.1	6.8	6.7
119	1068.8	98	9.0	16	Orange	I-Wob - UP3	Std Angle Black	113	Blue Threaded 15L	17.9	15.1	6.9	7.1
120	1077.8	99	9.0	16	Orange	I-Wob - UP3	Std Angle Black	106	Blue Threaded 15L	18.1	15.1	7.1	7.1
Tower Number : 6 Span Length : 180.1													
121	1087.1	100	9.3	16	Orange	I-Wob - UP3	Std Angle Black	106	Blue Threaded 15L	18.1	15.1	7.1	7.1
122	1096.1	101	9.0	16	Orange	I-Wob - UP3	Std Angle Black	113	Blue Threaded 15L	17.8	15.1	7.1	7.1
123	1105.1	102	9.0	16	Orange	I-Wob - UP3	Std Angle Black	119	Blue Threaded 15L	17.6	15.1	7.1	7.1
124	1114.1	103	9.0	16	Orange	I-Wob - UP3	Std Angle Black	125	Blue Threaded 15L	17.4	15.1	7.2	7.1
125	1123.1	104	9.0	16	Orange	I-Wob - UP3	Std Angle Black	130	Blue Threaded 15L	17.2	15.1	7.2	7.1
126	1132.1	105	9.0	16	Orange	I-Wob - UP3	Std Angle Black	134	Blue Threaded 15L	17.0	15.1	7.3	7.1

Customer RAY MONTIER

Field Name Montier #2

Valley Standard Pivot 7000 Machine Sprinkler Chart

Cpl No	Dist From Pivot	Spk No	Dist Last Spk	Nozzle Size	Color	Spk Model	Wear Pad	Drop Length	Regulator	Line PSI	Spk PSI	Rqd GPM	Act GPM
127	1141.1	106	9.0	16.5	Orange Notched	I-Wob - UP3	Std Angle Black	137	Blue Threaded 15L	16.9	15.0	7.4	7.6
128	1150.1	107	9.0	16.5	Orange Notched	I-Wob - UP3	Std Angle Black	139	Blue Threaded 15L	16.8	15.0	7.4	7.6
129	1159.1	108	9.0	16.5	Orange Notched	I-Wob - UP3	Std Angle Black	141	Blue Threaded 15L	16.7	15.0	7.5	7.6
130	1168.1	109	9.0	16.5	Orange Notched	I-Wob - UP3	Std Angle Black	142	Blue Threaded 15L	16.7	15.0	7.5	7.6
131	1177.0	110	8.9	16.5	Orange Notched	I-Wob - UP3	Std Angle Black	142	Blue Threaded 15L	16.7	15.0	7.5	7.6
132	1186.0	111	9.0	16.5	Orange Notched	I-Wob - UP3	Std Angle Black	141	Blue Threaded 15L	16.7	15.0	7.6	7.6
133	1195.0	112	9.0	16.5	Orange Notched	I-Wob - UP3	Std Angle Black	139	Blue Threaded 15L	16.7	15.0	7.7	7.6
134	1204.0	113	9.0	16.5	Orange Notched	I-Wob - UP3	Std Angle Black	137	Blue Threaded 15L	16.8	15.0	7.8	7.6
135	1213.0	114	9.0	17	Dark Green	I-Wob - UP3	Std Angle Black	133	Blue Threaded 15L	16.9	15.0	7.8	8.0
136	1221.9	115	8.9	17	Dark Green	I-Wob - UP3	Std Angle Black	129	Blue Threaded 15L	17.1	15.0	7.8	8.0
137	1230.9	116	9.0	17	Dark Green	I-Wob - UP3	Std Angle Black	125	Blue Threaded 15L	17.2	15.0	7.9	8.0
138	1239.9	117	9.0	17	Dark Green	I-Wob - UP3	Std Angle Black	119	Blue Threaded 15L	17.4	15.0	8.0	8.0
139	1248.9	118	9.0	17	Dark Green	I-Wob - UP3	Std Angle Black	113	Blue Threaded 15L	17.7	15.0	8.1	8.0
140	1257.9	119	9.0	17	Dark Green	I-Wob - UP3	Std Angle Black	105	Blue Threaded 15L	17.9	15.0	8.0	8.0
141	1261.7		3.8	B.P.									

Span Length : 179.8

Tower Number : 7

142	1266.7	120	8.8	17	Dark Green	I-Wob - UP3	Std Angle Black	104	Blue Threaded 15L	18.0	15.0	8.2	8.0
143	1275.9	121	9.2	17.5	Dark Grn Notched	I-Wob - UP3	Std Angle Black	108	Blue Threaded 15L	17.8	15.0	8.3	8.5
144	1279.4		3.5	Plug									
145	1284.8	122	8.9	17	Dark Green	I-Wob - UP3	Std Angle Black	112	Blue Threaded 15L	17.6	15.0	8.3	8.0
146	1294.0	123	9.2	18.5	Purple Notched	I-Wob - UP3	Std Angle Black	117	Blue Threaded 15L	17.5	14.8	9.4	9.5

Sprinkler : Senninger Spray



147	1297.5	124	3.5	18	Purple	Directional				17.4	17.4	9.0	9.2
1298.5				Overhang	Span Length : 36.2								

Sprinkler : Nelson Endgun



148	1298.5	125	1.0	0.65		SR75				17.4	48.7	83.9	86.1
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Endgun Arc Settings: Forward Angle: 45 Reverse Angle: 80

701.3



Proposed POU

with the following water rights

61-12264 +
61-12266
rented out thru 2016

Hemenway, Sandy

From: Westra, John
Sent: Wednesday, April 17, 2013 3:31 PM
To: Hemenway, Sandy
Subject: RE: Water Supply Bank Draft Rental Agreement Montierth using 61-12148 and 61-10841

Sandy:
Steve and I both looked at it, should be good to go
Thanks for checking with us.
John

From: Hemenway, Sandy
Sent: Wednesday, April 17, 2013 9:32 AM
To: Westra, John
Cc: Hemenway, Sandy
Subject: Water Supply Bank Draft Rental Agreement Montierth using 61-12148 and 61-10841
Importance: High

<< File: DOC002.pdf >>

Hi John,

Here is the draft review and rental agreement for Montierth using 61-12148 and 61-10841 from the water supply bank. Please look it over, and let me know if you have any comments or concerns.

Thanks so much,

Sandy Hemenway
Sr. Water Resource Agent
IDWR/State Office
PO Box 83720 or 322 E. Front St.
Boise, ID 83720-0098
OFFICE: (208) 287-4920
CELL: (208) 761-0280
FAX: (208) 287-6700
Email: sandy.hemenway@idwr.idaho.gov

Hemenway, Sandy

From: Hemenway, Sandy
Sent: Thursday, April 04, 2013 6:33 AM
To: foragemaster2@man.com
Cc: Hemenway, Sandy
Subject: Montierth Water Supply Bank Rental Application

Dear Mr. Montierth,

I am in the process of reviewing your Water Supply Bank Rental Application, and should have it completed by the middle of next week. It was brought to my attention that you are interested in paying the entire rental fee upfront. Although we discourage this practice, we realize you have a good reason for doing this. We are aware of your request, and when you receive the agreement it will state the amount owing annually. At that time you can determine your payment mode.

If you have any further questions, please contact me directly.

Thanks,

Sandy Hemenway
Sr. Water Resource Agent
IDWR/State Office
*PO Box 83720 or 322 E. Front St.
Boise, ID 83720-0098*
OFFICE: (208) 287-4920 (Monday thru Thursday 6am – 4pm MST)
CELL: (208) 761-0280
FAX: (208) 287-6700
Email: sandy.hemenway@idwr.idaho.gov

Hemenway, Sandy

From: Skaggs, Pam
Sent: Thursday, March 28, 2013 1:59 PM
To: Hemenway, Sandy
Cc: Van Dyke, Nick; Palmer, Cherie
Subject: FW: Message from 2089898310
Attachments: Voice.WAV

Sandy,

Mr. Montierth wants to pay his entire rental fee upfront. We discourage this practice, but he has a good reason to propose this. Please call him & let him know that we are aware of his request. He can determine payment when he receives the rental agreement.

Pam

-----Original Message-----

From: Van Bussum, Monica
Sent: Thursday, March 28, 2013 1:18 PM
To: Skaggs, Pam
Subject: FW: Message from 2089898310

Hi Pam,

I'm forwarding a voicemail from Ray Montierth about his recent rental application. You'll recall when he was here on Monday with Clint Nielsen that they said they want to pay up front for their rental. As he notes in this voicemail, they forgot to put that on the application.

Monica

-----Original Message-----

From: dwr-NECVoiceMail
Sent: Wednesday, March 27, 2013 2:10 PM
To: Van Bussum, Monica
Subject: Message from 2089898310

Hello Van Bussum, Monica,

You have received a new forwarded Voice message from Unknown sender (2089898310) on March 27, 2013 2:08 PM.

Sent by Unified Messaging System