State of Idaho
Department of Water Resources

Water Right License

Water Right No. 65-23579

Priority: June 08, 2014

Maximum Diversion Rate: 0.10 CFS
Maximum Diversion Volume: 12.4 AF

It is hereby certified that:

DAVE NATTRESS 7872 RICHEY RD FRUITLAND ID 83619

has complied with the terms and conditions of the permit, issued pursuant to Application for Permit dated March 06, 2014, and has submitted Proof of Beneficial Use on September 01, 2015. An examination confirms water is diverted from:

Source : GROUND WATER

Beneficial Use	Period of Use	Rate of Diversion	Annual Volume
IRRIGATION	03/01 to 11/15	0.08 CFS	12.2 AF
STOCKWATER	01/01 to 12/31	0.02 CFS	0.2 AF

Location of Point(s) of Diversion
GROUND WATER SW¼ NE¼, Sec. 23, Twp 08N, Rge 05W, B.M. PAYETTE County

Place of Use: IRRIGATION

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
08N	05W	23		0.4	2.3														2.7

Total Acres: 2.7

Place of Use: STOCKWATER

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
08N	05W	23		X	X														

Conditions of Approval

1. This right when combined with all other rights shall provide no more than 0.03 cfs per acre nor more than 4.5 afa per acre at the field headgate for irrigation of the place of use.
2. After specific notification by the Department, the right holder shall install a suitable measuring device or shall enter into an agreement with the Department to use power records to determine the amount of water diverted and shall annually report the information to the Department.

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3. When ordered by the Director, the right holder shall provide mitigation acceptable to the Director to offset depletion of lower Snake River flows needed for migrating anadromous fish. The amount of water required for mitigation, which is to be released into the Snake River or a tributary for this purpose, will be determined by the Director based upon the reduction in flow caused by the use of water pursuant to this right. Any order of the Director issued in accordance with this paragraph shall be in conformance with applicable rules allowing the right holder due process as the need for mitigation and the amount of mitigation are determined.

This license is issued pursuant to the provisions of Idaho Code § 42-219. The water right confirmed by this license is subject to all prior water rights and shall be used in accordance with Idaho law and applicable rules of the Department of Water Resources.

Signed this 28th day of April, 2023.

SCOTT STORMS
Water Rights Supervisor

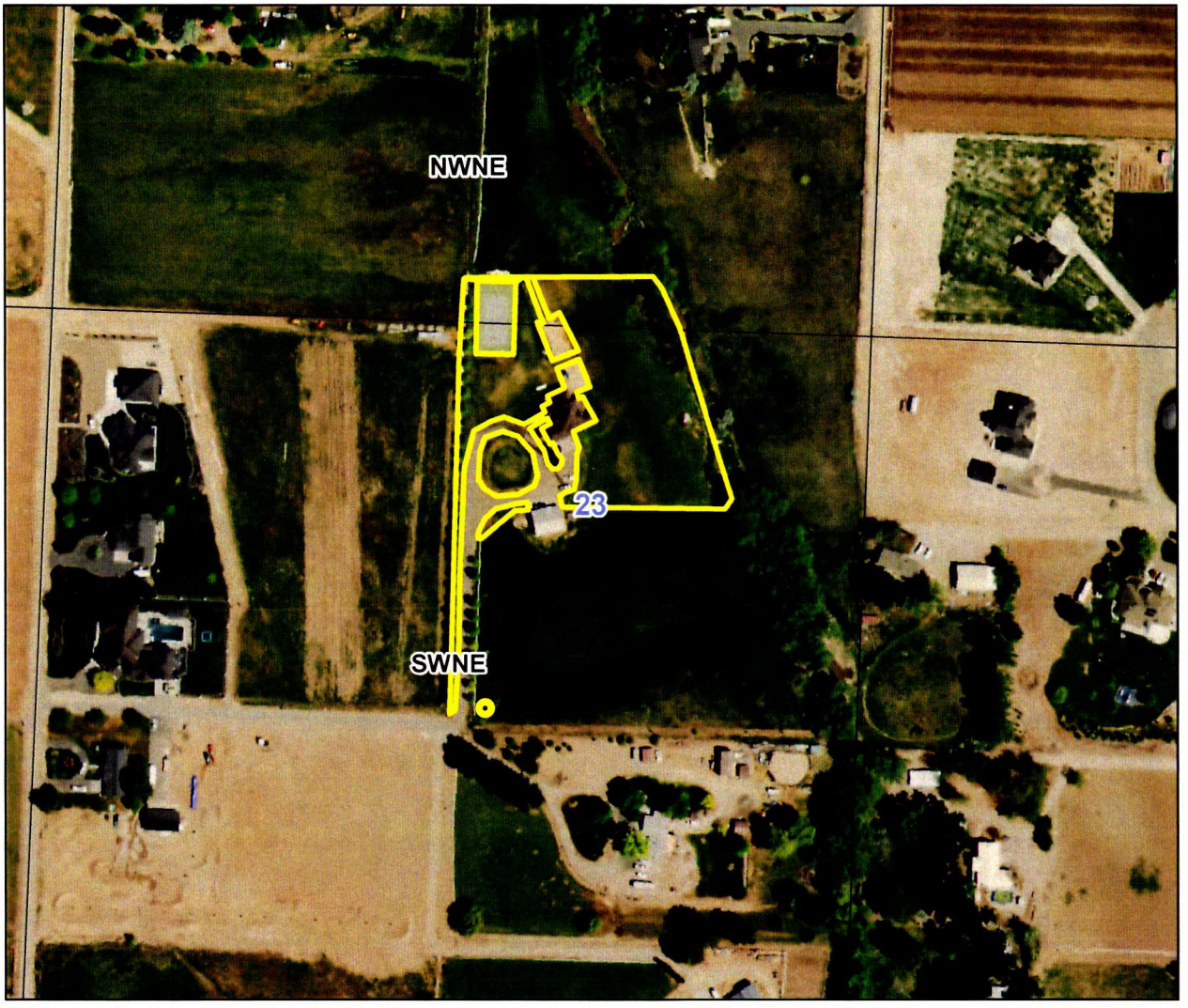
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Attachment to Water Right

65-23579

This map depicts the IRRIGATION place of use boundary for this water right at the time of this approval and is attached to the approval document solely for illustrative purposes.



0 0.035 0.07 0.14 Miles

Place Of Use Boundary
Townships
PLS Sections
Quarter Quarters
Point of Diversion

N

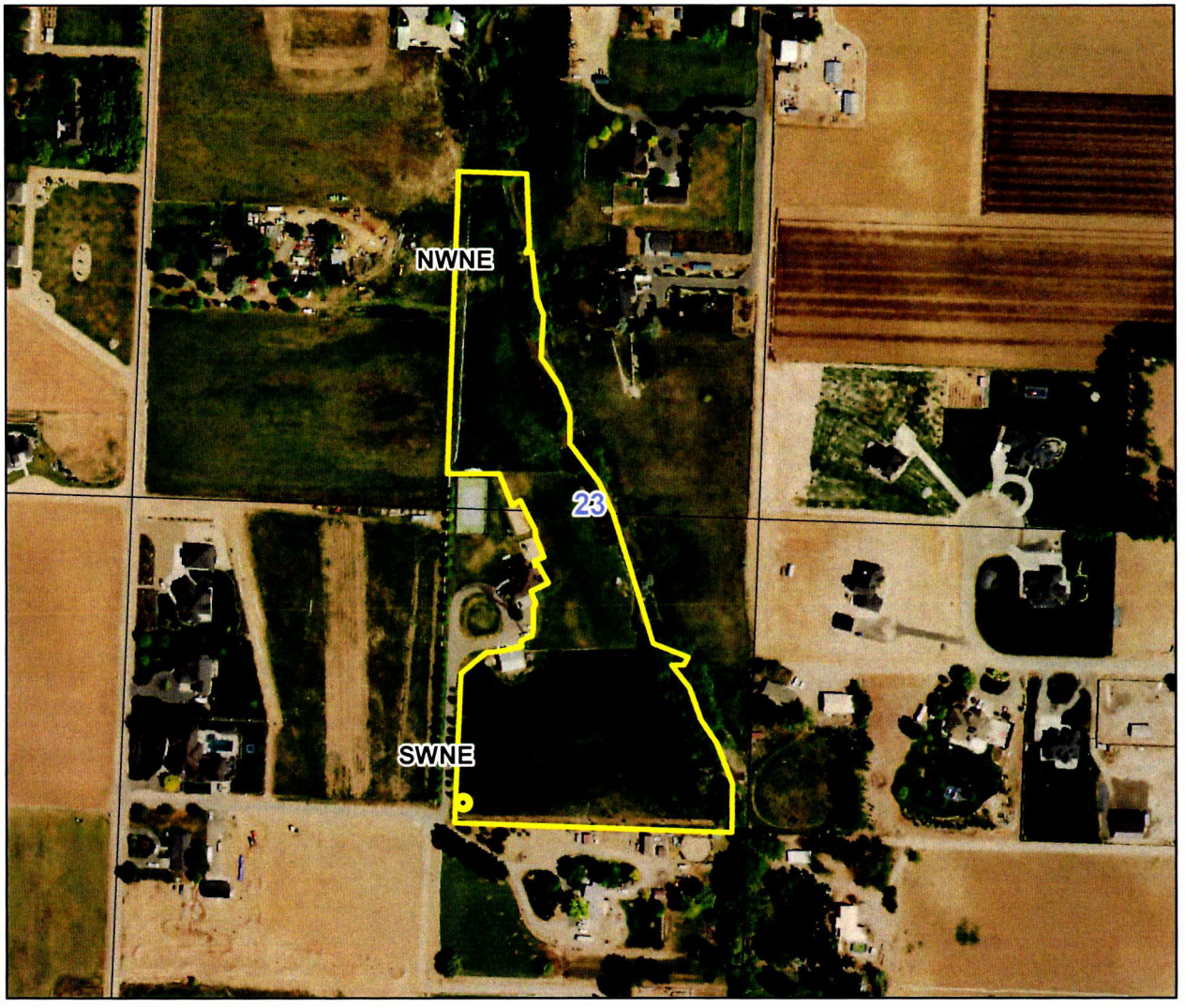
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Attachment to Water Right

65-23579

This map depicts the STOCKWATER place of use boundary for this water right at the time of this approval and is attached to the approval document solely for illustrative purposes.



0 0.0475 0.095 0.19 Miles

Place Of Use Boundary
Townships
PLS Sections
Quarter Quarters
Point of Diversion

N

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STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 65-23579
Exam Date: 08/24/2022

1. Current Owner:
   DAVE NATTRESS 7872 RICHEY RD FRUITLAND ID 83619

2. Accompanied by: Tim Davis
   Phone No: (208) 741-1538
   Address: 7872 Richey Rd, Fruitland, ID 83619
   Relationship to permit Holder: New Property Owner

3. **SOURCE:**
GROUND WATER

Method of Determination: Permit application, IDWR records, and field examination

B. OVERLAP REVIEW

1. Other water rights with the same place of use: YES Overlap

Water Right No.	Source	Purpose of Use	Basis
65-2923C	FALL CREEK	IRRIGATION FROM STORAGE	Decreed
65-2923E	FALL CREEK	IRRIGATION FROM STORAGE	Decreed
65-66	PAYETTE RIVER	IRRIGATION	Decreed
65-67	PAYETTE RIVER	IRRIGATION	Decreed
65-403A	PAYETTE RIVER	IRRIGATION	Decreed
65-403X	PAYETTE RIVER	IRRIGATION	Decreed

Comments: Lake Reservoir Co., Farmers Cooperative Irrigation Co., and Noble Ditch overlap this property according to IDWR GIS layers. The City of Fruitland municipal rights also overlap.

2. Other water rights with the same point-of-diversion: NO Overlap

Water Right No.	Source	Purpose of Use	Basis

Comments: _____

C. DIVERSION AND DELIVERY SYSTEM

1. **LOCATION OF POINT(S) OF DIVERSION:**
GROUND WATER SW¼ NE¼, Sec. 23, Twp 08N, Rge 05W, B.M. PAYETTE County

Method of Determination: Field examination, Garmin Handheld GPS, and ArcMap tools with aerial imagery.

PLACE OF USE: STOCKWATER

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
08N	05W	23		X	X														

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PLACE OF USE: DOMESTIC

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
08N	05W	23			X														

PLACE OF USE: IRRIGATION

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
08N	05W	23		0.5	2.3														2.7

Total Acres: 2.7

Method of Determination: Aerial Imagery, ArcMap Tools, communication with property owner. and observation during field exam.

3.

Delivery System Diagram Attached (required). Indicate all major components and distances between components.
Y Indicate weir size/pipe as applicable.

Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be
____ 1:24,000 or greater.

Y Aerial Photo Attached (required for irrigation of 10+ acres).

Y Photo of Diversion and System Attached

4.

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
D0026934					**Domestic**
D0066237					**Irrigation/Stockwater**

The new property owner was unable to provide pump information.

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

The irrigation system and domestic system were completely underground from the source at the well to the distribution system. The small system did not have any exposed pipe to attach an ultrasonic measurement device. Therefore, information collection consisted of counting sprinkler heads and estimating flows from nozzle rates.

2. Measurements:

E. FLOW CALCULATIONS

X Additional Computation Sheets Attached

Method: Conveyance system data sprinkler nozzle discharge data. Please see additional computation sheet.

There was a total of 194 heads with an average of 12 heads per zone ranging from 6 to 17 heads. Four types of nozzles were employed in the system: Rainbird Maxi-Paw Yellow #10, 4.2 gpm, Rainbird Maxi-Paw Blue #8, 2.8 gpm, Hunter 15 H Fixed 180 Arc, 1.7 gpm, and Hunter 15 H Fixed 360 Arc, 3.4 gpm. Nozzle discharge was determined by the manufacturer's performance data based on a nozzle pressure of 25 psi. The number of nozzles was determined for each zone and multiplied by the nozzle discharge. A spreadsheet table was created to calculate the total nozzle discharge from each

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irrigation zone in gpm and cfs. The average discharge per zone was calculated at 35 gpm or 0.08 cfs ranging from 0.06 cfs (25 gpm) to 0.10 cfs (44 gpm).

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation:

$V_{I.R}$ = (Acres Irrigated) x (Irrigation Requirement) = 2.7 acres x 4.5 ac-ft = 12.2 ac-ft

$V_{D.R}$ = [Diversion Rate (cfs)] x (Days in Irrigation season) x 1.9835 = (0.08 cfs) x (260 days) x 1.9835 = 41.3 ac-ft

V = Smaller of $V_{I.R}$ and $V_{D.R}$ = 12.2 ac-ft

2. Volume Calculations for Other Uses:

As per IDWR Application Processing Memo 3: Annual use of water for stock water purposes, both range cattle and horses are based on 12 gpd/head over a 12-month period of use. The annual volume for 0 to 10 head of Stock is 0.20 ac-ft per year.

Domestic use is 0.6 af per household without irrigation per application processing Memo 22.

G. NARRATIVE/REMARKS/COMMENTS

Dave Nattress is the owner of water permit 65-23579 for irrigation, stock water, and domestic near Fruitland, Idaho in Payette County. Initially, the proof was due on 7/1/2015, however it lapsed. The proof of beneficial use was submitted on 9/1/2015 with an examination fee of $100 and reinstated by the Department. However, the property was sold sometime after the proof of beneficial use was submitted to Tim and Lisa Davis. An exam was conducted on August 24, 2022, by water resource agent Allen Bradbury. Tim Davis, the new owner, accompanied the agent on the field exam. A change of ownership has not been filed; an ownership change should be made with the Department.

A well near the home with metal tag no. D0025934, was identified by the property owner as the point of diversion for the domestic system. According to the well drillers report, this 6-inch well was drilled in 2002 to a depth of 110-feet and sealed to 18 feet. A well located in the southwest corner of the property with metal tag no. D0066237 was identified as the point of diversion for the irrigation system. According to the well drillers report, this 8-inch well was drilled in 2014 to a depth of 50-feet and sealed to 24 feet. The permit application described surface water from the Lewis Lateral as irrigating the pastures and portions of the lawn. It further described the existing well as serving the internal domestic use and some lawn and landscaping. The permit application proposed a new well to serve as supplemental irrigation, stock water, and a "back-up" domestic use. The irrigation component was described as including pasture, lawn, and landscaping. Though the shapefile shows the POD near the driveway island rather than in the southwest corner, an amendment is not necessary since the POD remains in the SWNE quarter-quarter.

Mr. Davis stated that only the lawn and landscape area (2.7 acres) around the house was irrigated with the sprinkler system. The pasture areas on the north end (3.0 acres) and the south end (4.5 acres) were irrigated from a gated pipe with surface water from Noble Ditch Company. Therefore, the original POU size of 10.5 acres for irrigation will be reduced to 2.7 acres as verified by the field exam. An amendment is not necessary for the reduced place of use since it falls within the original permit's boundaries and quarter-quarters. The shapefile has been modified according to the field exam observations for illustrative purposes.

Mr. Davis did not have any information concerning the submersible well pump, motor, or set depth within the well casing. A flow measurement was not taken with the ultrasonic meter since the irrigation system was completely subsurface. Instead, the flow was estimated by running each zone (the new owner did not know which zone had the most heads) and then counting sprinkler heads and noting the nozzle types. A computation table was generated from the results. The Rain Bird ESP-LX Basic controller is capable of programming in 24 zones. Of these 17 zones were programmed, however zone 12

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was not working. There was a total of 194 heads with an average of 12 heads per zone ranging from 6 to 17 heads. There were four types of nozzles employed in the system: Rainbird Maxi-Paw Yellow #10, 4.2 gpm, Rainbird Maxi-Paw Blue #8, 2.8 gpm, Hunter 15 H Fixed 180 Arc, 1.7 gpm, and Hunter 15 H Fixed 360 Arc, 3.4 gpm. Nozzle discharge was determined by the manufacturer's performance data based on an estimated nozzle pressure of 25 psi. The number of nozzles was determined for each zone and multiplied by the nozzle discharge (see attached table). The average discharge per zone was calculated at 35 gpm or 0.08 cfs ranging from a minimum of 0.06 cfs (25 gpm) to a maximum of 0.10 cfs (44 gpm) per zone.

The original appropriation is permitted for 10.5 acres at a rate of 0.21 cfs. Given that the actual acreage developed is significantly less than the permit, Rule 37.03b allows for an application rate of 0.03 cfs per acre. The average discharge rate is the same as the calculated Beneficial Use Standard of (0.03 cfs/acre x 2.7 acres) of 0.08 cfs. The estimated capacity of at least 6 zones exceeded 0.08 cfs. As noted in the table, some zones contained more than one nozzle type. Also, some zones were exceeding the beneficial use rate, indicating that the pumping system could supply the full beneficial use. Given that the system can supply the beneficial use rate and that the average discharge of all the zones averages 0.08 cfs, I am recommending the irrigation rate be licensed for the Beneficial Use Standard of (0.03 cfs/acre x 2.7 acres) of 0.08 cfs.

Stock water use was conditioned with X02 for 3 horses, the original appropriation is permitted for a rate of 0.02 cfs. Three horses were observed on the property. Stock water is provided to a 2 x 2 x 6 (approximately 180 gallon) stock water tank via a hose bib and garden hose (see figures 11 and 12 of photos). As per IDWR Application Processing Memo 3: Annual Use of Water for Stock water Purposes, both range cattle and horses are based on 12 gpd/head over a 12-month period of use. The rate for 0 to 10 head of Stock is 0.02 cfs. I am recommending a stock water rate of 0.02 cfs.

The domestic use on the application was originally proposed as a back-up well for the existing domestic well, however the two well systems are not connected. Therefore, a domestic use for well no. D0066237 was not developed. However, well no. D0025394 is connected to the home for domestic use and in the same quarter-quarter. I am proposing that the license be split into a separate domestic use for well no. D0025394. Therefore, I am recommending the domestic use be licensed at the standard rate of 0.04 cfs for well no. D0025394.

Condition 046A was removed as per department licensing standards. Conditions X02 was deleted as per department licensing standards. Condition WB7 was removed as per Shelley Keen's 9/6/2022 Memo Re: "Surface Water First" Requirement for Water Right Approvals. Conditions 065 and 105 became inactive on 10/6/2017 and were replaced by condition 943, both 065 and105 were removed but not replaced with 943 as per Shelley Keen's 9/6/2022 Memo. Condition 121 was updated to 103 as per department licensing standards.
Domestic Split Right Conditions
A condition was added stating that: The point of diversion is for well with metal tag no. D0025394.
Condition WB5 was added as per department licensing standards. Condition was added 103 as per department licensing standards.

Have conditions of permit approval been met? __X__ Yes ____ No

H. RECOMMENDATIONS

1. Recommended Amounts

Recommended amounts for irrigation and stockwater on 65-23579.

Beneficial Use	Period of Use	Rate of Diversion	Annual Volume
STOCKWATER	01/01 to 12/31	0.02 CFS	0.2 AF

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IRRIGATION	03/01 to 11/15	0.08 CFS	12.2 AF
	Totals:	0.10 CFS	12.4 AF

Recommended amounts for domestic on 65-24227 split from 65-23579.

Beneficial Use	**Period of Use**	**Rate of Diversion**	**Annual Volume**
DOMESTIC	01/01 to 12/31	0.04 CFS	0.6 AF
	Totals:	0.04 CFS	0.6 AF

2. Recommended Amendments

____ Change P.D. as reflected above ____ Add P.D. as reflected above __X__ None

____ Change P.U. as reflected above ____ Add P.U. as reflected above __X__ None

I. AUTHENTICATION Allen Bradbury -

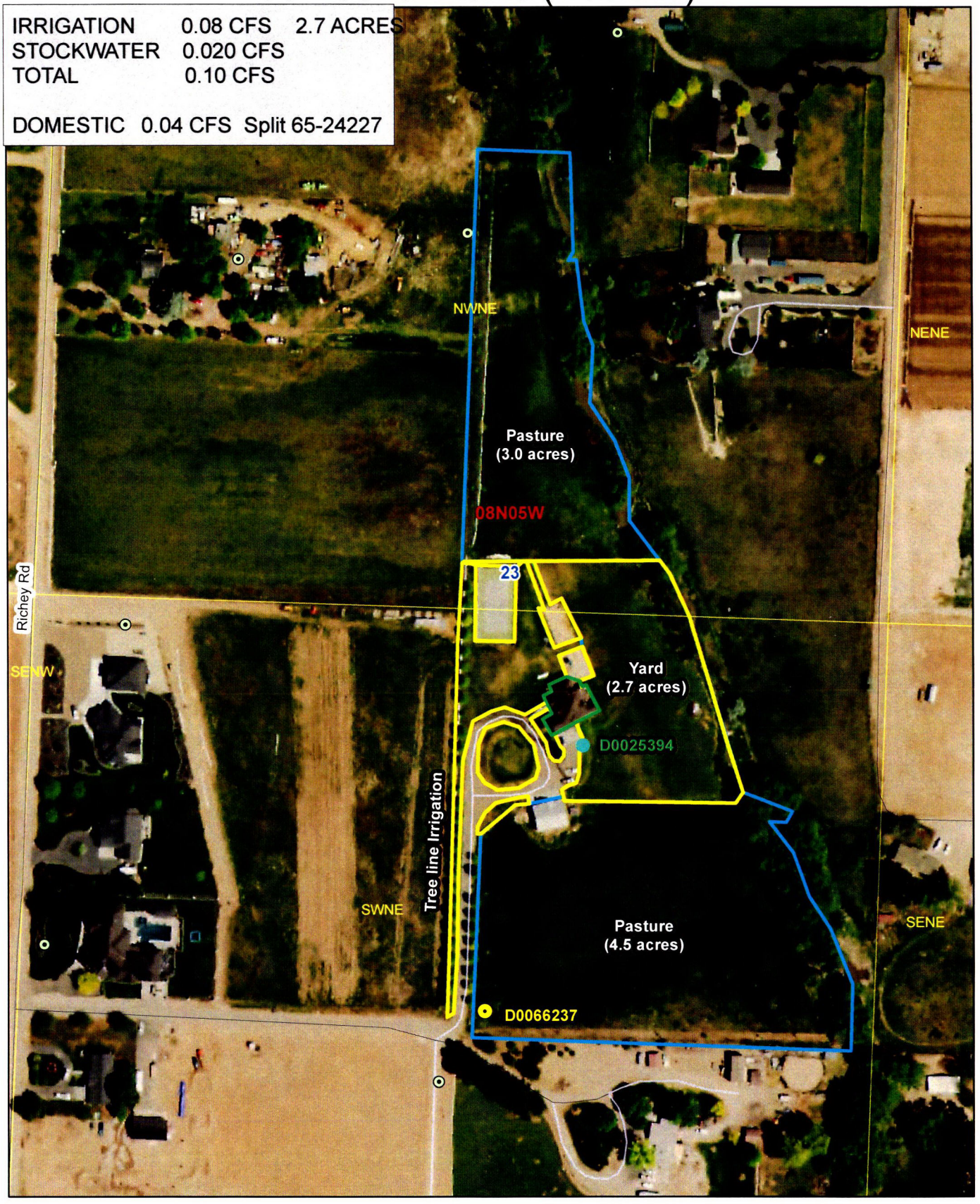
Field Examiner's Name Allen Bradbury Date 4/28/23

Reviewer [signature] Date 4/28/23

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65-23579 Davis (Natress)

IRRIGATION	0.08 CFS	2.7 ACRES
STOCKWATER	0.020 CFS	
TOTAL	0.10 CFS	
DOMESTIC	0.04 CFS	Split 65-24227



Point of Diversion
Domestic Well
Place of Use
Domestic POU
Stock water POU
Taxlot Parcel

0 0.05 0.1 Miles

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BENEFICIAL USE FIELD REPORT **65-23579 Davis (Nattress)**

E. FLOW CALCULATIONS: Additional Computation Sheet.

Nozzle Types:

Rainbird Maxi-Paw Yellow #10	4.2 gpm
Rainbird Maxi-Paw Blue #8	2.8 gpm
Hunter 15 H Fixed 180 Arc	1.7 gpm
Hunter 15 H Fixed 360 Arc	3.4 gpm
Hunter 15 H Combined	2.6 gpm

Nozzle Pressure 25 psi

Zone #	# of Nozzles	Nozzle Discharge (gpm)	Total Discharge (gpm)	Total Discharge (cfs)	Nozzle Type	Zone Location
1	9	3.4	30.6	0.07	popup	left front lawn/flower beds
2	15	1.7	25.4	0.06	popup	right front lawn/flower beds
3						
4						
5	9	3.4	30.6	0.07		inside center island
6	17	2.6	44.2	0.10		shop
7	8	4.2	33.6	0.07		
8	13	2.8	36.4	0.08		West of house
9	15	2.8	42.0	0.09		9 & 10 combined
10						
11	12	2.8	33.6	0.07		
12						*not working*
13	6	4.2	25.2	0.06		
14	8	4.2	33.6	0.07		Corner S & N Ditch, not working
15						*not programmed*
16						*not programmed*
17	7	4.2	29.4	0.07		West of Border
18						*not working*
19	14	2.8	39.2	0.09		South of House
20	16	2.6	41.6	0.09		Outside island
21						*not programmed*
22	12	2.8	33.6	0.07		fruit trees
23	16	2.6	41.6	0.09		
24	17	2.6	44.2	0.10		

Total:	194 Heads	565	1.26	cfs
Average:	12 Heads/Zone	35	0.08	cfs
		25	0.06	minimum
		44	0.10	maximum

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PRO-SPRAY® FIXED ARC NOZZLES PERFORMANCE DATA

15 ● Black

15' radius
Fixed: ¼, ⅓, ½, ⅔, ¾, Full
Trajectory: 28°

Arc	Position	Pressure PSI	Radius ft.	Flow GPM	Precip in/hr ■	Precip in/hr ▲
90°	Q	20	14	0.78	1.53	1.77
		25	15	0.88	1.51	1.74
		30	**15**	**0.97**	**1.67**	**1.92**
		35	16	1.06	1.59	1.84
		40	17	1.14	1.52	1.75
120°	T	20	14	1.04	1.53	1.77
		25	15	1.17	1.51	1.74
		30	**15**	**1.30**	**1.67**	**1.92**
		35	16	1.41	1.59	1.84
		40	17	1.52	1.52	1.75
180°	H	20	14	1.51	1.48	1.71
		25	15	1.69	1.45	1.67
		30	**15**	**1.86**	**1.59**	**1.84**
		35	16	2.02	1.52	1.75
		40	17	2.16	1.44	1.66
240°	TT	20	14	2.01	1.48	1.71
		25	15	2.26	1.45	1.67
		30	**15**	**2.48**	**1.59**	**1.84**
		35	16	2.69	1.52	1.75
		40	17	2.88	1.44	1.66
270°	TQ	20	14	2.34	1.48	1.71
		25	15	2.64	1.45	1.67
		30	**15**	**2.92**	**1.59**	**1.84**
		35	16	3.18	1.52	1.75
		40	17	3.42	1.44	1.66
360°	F	20	14	3.04	1.49	1.72
		25	15	3.41	1.46	1.69
		30	**15**	**3.75**	**1.61**	**1.85**
		35	16	4.07	1.53	1.76
		40	17	4.36	1.45	1.68

Bold = Recommended pressure

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Maxi-Paw and Maxi-Bird Nozzle Performance

Pressure psi	Nozzle	Radius ft.	Flow gpm	Precip In/h	Precip In/h
25	06	-	-	-	-
	07 LA	22	1.5	0.60	0.69
	07	32	2.2	0.41	0.48
	08	35	2.8	0.44	0.51
	10 LA	25	3.4	1.05	1.21
	10	38	4.2	0.56	0.65
	12	39	5.5	0.70	0.80
35	06	37	2.0	0.28	0.32
	07 LA	23	1.9	0.69	0.80
	07	37	2.7	0.38	0.44
	08	38	3.3	0.44	0.51
	10 LA	29	4.0	0.92	1.06
	10	41	4.8	0.55	0.64
	12	42	6.3	0.69	0.79
45	06	38	2.3	0.31	0.35
	07 LA	25	2.1	0.65	0.75
	07	39	3.0	0.38	0.44
	08	40	3.7	0.45	0.51
	10 LA	31	4.5	0.90	1.04
	10	42	5.4	0.59	0.68
	12	44	7.1	0.71	0.82
55	06	38	2.5	0.33	0.39
	07 LA	25	2.3	0.71	0.82
	07	41	3.3	0.38	0.44
	08	41	4.1	0.47	0.54
	10 LA	32	5.0	0.94	1.09
	10	43	6.0	0.62	0.72
	12	45	7.9	0.75	0.87
60	06	38	2.6	0.35	0.40
	07 LA	25	2.4	0.74	0.85
	07	41	3.5	0.40	0.46
	08	42	4.2	0.46	0.53
	10 LA	32	5.4	1.02	1.17
	10	44	6.4	0.64	0.74
	12	45	8.4	0.80	0.92

LA = Low Angle

Precipitation rates based on half-circle operation

■ *Square spacing based on 50% diameter of throw*

▲ *Triangular spacing based on 50% diameter of throw*

Maxi-Paw and Maxi-Bird Nozzle Performance METRIC

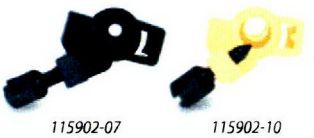
Pressure bar	Nozzle	Radius m	Flow m^3/h	Flow l/m	Precip mm/h	Precip mm/h
2.0	6	-	-	-	-	-
	07 LA	6.8	0.38	6.0	16	19
	7	10.4	0.55	9.0	10	12
	8	11.0	0.68	11.4	11	13
	10 LA	8.1	0.83	13.8	25	29
	10	11.9	1.01	16.8	14	16
	12	12.3	1.32	22.2	18	20
2.5	6	11.3	0.46	7.8	7	8
	07 LA	7.1	0.44	7.2	17	20
	7	11.4	0.62	10.2	10	11
	8	11.7	0.76	12.6	11	13
	10 LA	8.9	0.92	15.6	23	27
	10	12.5	1.11	18.6	14	16
	12	12.9	1.45	24.0	18	20
3.0	6	11.5	0.51	8.4	8	9
	07 LA	7.5	0.47	7.8	17	19
	7	11.8	0.67	11.4	10	11
	8	12.1	0.83	13.8	11	13
	10 LA	9.4	1.01	16.8	23	27
	10	12.8	1.21	20.4	15	17
	12	13.3	1.59	26.4	18	21
3.5	6	11.6	0.55	9.0	8	9
	07 LA	7.6	0.50	8.4	17	20
	7	12.2	0.72	12.0	10	11
	8	12.4	0.89	15.0	12	13
	10 LA	9.6	1.09	18.0	23	27
	10	13.0	1.30	21.6	15	18
	12	13.6	1.72	28.8	19	21
4.0	6	11.6	0.58	9.6	9	10
	07 LA	7.6	0.54	9.0	18	21
	7	12.5	0.78	13.2	10	11
	8	12.7	0.94	15.6	12	14
	10 LA	9.8	1.19	19.8	25	29
	10	13.3	1.42	23.4	16	19
	12	13.7	1.86	31.2	20	23

Performance data collected in zero wind conditions

Performance data derived from tests that conform with ASABE Standards; ASABE S398.1.
See page 198 for complete ASABE Test Certification Statement.



2045A Maxi-Paw and 2045-PJ Standard Angle Nozzles



2045A Maxi-Paw and 2045-PJ Low Angle Nozzles

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MAY 03 2023

RAIN BIRD

Tech Spec

Maxi-Paw™ 2045A Rotor

Closed-Case Impact Sprinkler

The Maxi-Paw's powerful throw permits maximum spacing and offers superior close-in watering and uniform water distribution. Low pressure loss and an efficient, straight-through flow design conserve energy and are ideal for dirty water applications. The optional Seal-A-Matic™ prevents run-off, puddling, and erosion caused by low head drainage. And most important, it's rugged and dependable, popping up on schedule again and again because of the multi-function wiper seal.

The Maxi-Paw™ Rotor–a tradition of excellence.

Features

- Five interchangeable, color-coded MPR nozzles
- Two interchangeable low-angle (LA) nozzles
- No tools required to change nozzles
- Heavy-duty plastic case with sturdy, reinforced ribbed design
- Double-weighted arm for slower rotation and increased distance of throw
- Self-flushing inner trip with improved inner trip lever
- Powerful reverse action
- Adjustable arm spring for low-pressure and low-gallonage operation
- Energy efficient, low-pressure and low-gallonage operation
- Proven impact drive
- Straight-through flow
- Full-circle or adjustable arc 20° to 340°
- Precision Jet Tube (PJ™)
- Hooded bearing
- Distance controller diffuser pin
- Multi-function, pressure-activated wiper seal
- FP trip for full- or part-circle operation
- Inlet filter screen
- Combination 1/2" (15/21) or 3/4" (20/27) bottom inlet
- Serviceable through the top of the case
- Optional internal Seal-A-Matic™ (SAM) prevents puddling and erosion caused by low head drainage and saves water

Operating Range

- Precipitation Rate: 0.18 to 0.79 inches per hour (5 to 20 mm/h)
- Spacing: 22 to 50 feet (6,7 to 12,2 m)
- Flow rate: 1.5 to 8.4 gpm (0,01 to 0,52 l/s; 0,36 to 1,86 m^3/h)
- Radius: 22 to 45 feet (6,7 to 13,7 m)
- Pressure: 25 to 60 psi (2,0 to 4,5 bar)

Specifications

- Combination 1/2" (15/2 1) or 3/4" (20/2 7) female bottom inlet
- 1/2" (15/21) female side inlet
- Nozzles: 06-red; 07-black; 08-blue; 10-yellow;12-beige
- LA nozzles: 07LA-black; 10LA-yellow
- Nozzle outlet trajectory is 23°
- LA nozzle outlet trajectory is 11°
- Side inlet installation is not recommended in freezing climates
- Optional SAM feature holds back up to 10 feet (3,1 m) of elevation change

Dimensions

- Overall height: 9 3/10" (23,6 cm)
- Top diameter: 5" (12,7 cm)

Models

- 2045A Maxi-Paw™
- 2045A Maxi-Paw-SAM

Available Nozzles

- Standard trajectory
  - 06, 07, 08, 10, 12
- Low angle
  - 07LA, 10LA



How To Specify

2045A - SAM - 10 - LA

- **Model** — **2045A:** Maxi-Paw
- **Optional Feature** — **SAM:** Seal-A-Matic™
- **Nozzle Size** — 06 07 08 10 12
- **Optional Feature** — **LA:** Low Angle

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Form 238-7
6/07

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

1. WELL TAG NO. D 0066237
Drilling Permit No. 966304-872363
Water right or injection well # 65-23579

2. OWNER:
Name Dave Nattress
Address 7872 Richey Rd.
City Fruitland State ID Zip 83619

3.WELL LOCATION:
Twp. 8 North ☒ or South ☐ Rge. 5 East ☐ or West ☒
Sec. 23 ____ 1/4 (10 acres) NE 1/4 (40 acres) SW 1/4 (160 acres)
Gov't Lot ____ County Payette
Lat. N 44 ° 06.208 (Deg. and Decimal minutes)
Long. W 116 ° 54.048 (Deg. and Decimal minutes)
Address of Well Site Same
(Give at least name of road + Distance to Road or Landmark) City ____
Lot. ____ Blk. ____ Sub. Name ____

4. USE:
☐ Domestic ☐ Municipal ☐ Monitor ☒ Irrigation ☐ Thermal ☐ Injection
☐ Other ____

5. TYPE OF WORK:
☒ New well ☐ Replacement well ☐ Modify existing well
☐ Abandonment ☐ Other ____

6. DRILL METHOD:
☐ Air Rotary ☐ Mud Rotary ☒ Cable ☐ Other ____

7. SEALING PROCEDURES:

Seal material	From (ft)	To (ft)	Quantity (lbs or ft³)	Placement method/procedure
Bentonite chips	24	16	300	dry pour
#5 crumbles	16	0	500	dry then hydrated

8. CASING/LINER:

Diameter (nominal)	From (ft)	To (ft)	Gauge/ Schedule	Material	Casing	Liner	Threaded	Welded
8	+2	-28.2	.250	steel	☒	☐	☐	☒
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 28.2

9. PERFORATIONS/SCREENS:
Perforations ☐ Y ☒ N Method ____
Manufactured screen ☒ Y ☐ N Type V-wire
Method of installation pull back

From (ft)	To (ft)	Slot size	Number/ft	Diameter (nominal)	Material	Gauge or Schedule
28.5	38.5	.0025	v-wire	6	SS	

Length of Headpipe 5.5 Length of Tailpipe 9.5
Packer ☒ Y ☐ N Type K- packer

10.FILTER PACK:

Filter Material	From (ft)	To (ft)	Quantity (lbs or ft³)	Placement method

11. FLOWING ARTESIAN:
Flowing Artesian? ☐ Y ☒ N Artesian Pressure (PSIG) ____
Describe control device well cap

12. STATIC WATER LEVEL and WELL TESTS:
Depth first water encountered (ft) 22 Static water level (ft) 16
Water temp. (°F) 56 Bottom hole temp. (°F) 56
Describe access port well cap

Well test:

Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)	Test method: Pump	Bailer	Air	Flowing artesian
6	60	240	☒	☐	☐	☐
			☐	☐	☐	☐

Water quality test or comments: clear

13. LITHOLOGIC LOG and/or repairs or abandonment:

Bore Dia. (in)	From (ft)	To (ft)	Remarks, lithology or description of repairs or abandonment, water temp.	Water Y	Water N
12	0	22	silt brown		X
12	22	24	silt brown gravel	X	
8	24	37	sand and gravel brown and white	X	
	37	42	clay brown		X
	42	48	clay blue		X

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WATER RESOURCES
WESTERN REGION

Completed Depth (Measurable): 50
Date Started: 7-8-2014 Date Completed: 7-15-2014

14. DRILLER'S CERTIFICATION:
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Haines Water Well Drilling Co. No. 491
*Principal Driller Marvin D Haines Date 8-8-2014
*Driller Marvin D Haines Date 8-8-2014
*Operator II ____ Date ____
Operator I ____ Date ____

* **Signature of Principal Driller and rig operator are required.**

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Figure 1. The Rainbird ESP-LX Basic irrigation controller operates 24 zones.



Figure 2. Flooded valve box coming from pasture well.

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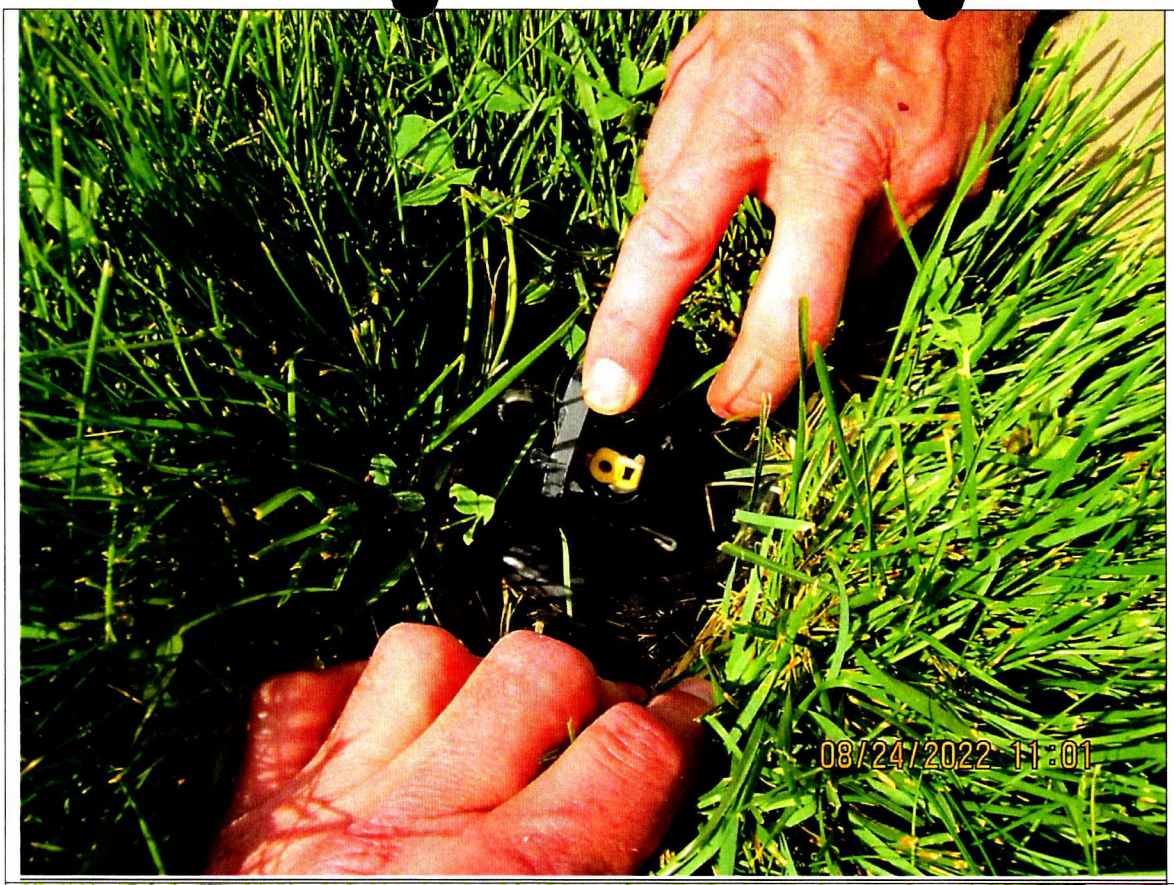


Figure 3. Rainbird Maxi-Paw Model No.2045A Rotor closed -case impact sprinkler with yellow nozzles.



Figure 4. Rainbird Maxi-Paw Model No.2045A Rotor closed -case impact sprinkler with blue nozzles.

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Figure 5.
D0066237 sprinkler irrigation well.



Figure 6.
D0025934 house well.

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Figure 7. Zone 19 south of house along border between pasture and lawn.



Figure 8. Zone along between tennis court and play ground area.

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Figure 9. Driveway island with 15 foot spray pop up sprinklers.



Figure 10. Sprinklers along tree lined driveway were being replaced. 33 sprinklers were planned.

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Figure 11. Stock water is provided to a 2 x 2 x 6 (approximately 180 gallon) stock water tank.



Figure 12. A view of the pasture, three horses can be seen in the background.

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IDAHO DEPARTMENT OF
WATER RESOURCES

Western Region • 2735 W Airport Way • Boise, ID 83705-5082
Phone: 208-334-2190 • Fax: 208-334-2348 • Email: westerninfo@idwr.idaho.gov • Web: idwr.idaho.gov

Governor Brad Little

Director Gary Spackman

May 2, 2023

DAVE NATTRESS
7872 RICHEY RD
FRUITLAND ID 83619

RE: License No. 65-23579

ISSUANCE OF LICENSE

Dear Water Right Holder(s):

The Department of Water Resources ("Department") has issued the enclosed Water Right License confirming that a water right has been established in accordance with your permit. Please be sure to thoroughly review all the conditions of approval listed on your license. The conditions may include ongoing requirements, such as maintenance of a measuring device or implementation of mitigation, as well as information about how your water use may be administered, such as regulation by a watermaster in a water district.

The license is a PRELIMINARY ORDER issued by the Department pursuant to Rule 730 of the Department's Rules of Procedure (IDAPA 37.01.01.730). It can and will become a final order without further action by the Department unless a party petitions for reconsideration, files exceptions, or requests a hearing as described in the enclosed information sheet.

Also, please note that water right owners are required to report any change of water right ownership and/or mailing address to the Department within 120 days of the change. Water right forms are available from any office of the Department or on the Department's website at idwr.idaho.gov

If you have any questions concerning the enclosed information, please contact me at (208) 605-4624.

Sincerely,

Scott Storms
Water Rights Supervisor

Enclosure(s)

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MAY 03 2023

CERTIFICATE OF SERVICE

I hereby certify that on May 2, 2023, I served a true and correct copy of Water Right License No. 65-23579 by U.S. Mail, postage prepaid, to the following:

DAVE NATTRESS (Current Owner)
7872 RICHEY RD
FRUITLAND ID 83619

Scott Storms
Water Rights Supervisor

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MAY 03 2023

EXPLANATORY INFORMATION TO ACCOMPANY A PRELIMINARY ORDER

(To be used in connection with actions when a hearing was **not** held)

(Required by Rule of Procedure 730.02)

The accompanying order or approved document is a "**Preliminary Order**" issued by the department pursuant to section 67-5243, Idaho Code. **It can and will become a final order without further action of the Department of Water Resources ("department") unless a party petitions for reconsideration, files an exception and brief, or requests a hearing as further described below:**

PETITION FOR RECONSIDERATION

Any party may file a petition for reconsideration of a preliminary order with the department within fourteen (14) days of the service date of this order. **Note: the petition must be received by the department within this fourteen (14) day period.** The department will act on a petition for reconsideration within twenty-one (21) days of its receipt, or the petition will be considered denied by operation of law. See Section 67-5243(3) Idaho Code.

EXCEPTIONS AND BRIEFS

Within fourteen (14) days after: (a) the service date of a preliminary order, (b) the service date of a denial of a petition for reconsideration from this preliminary order, or (c) the failure within twenty-one (21) days to grant or deny a petition for reconsideration from this preliminary order, any party may in writing support or take exceptions to any part of a preliminary order and may file briefs in support of the party's position on any issue in the proceeding with the Director. Otherwise, this preliminary order will become a final order of the agency.

REQUEST FOR HEARING

Unless a right to a hearing before the Department or the Water Resource Board is otherwise provided by statute, any person aggrieved by any final decision, determination, order or action of the Director of the Department and who has not previously been afforded an opportunity for a hearing on the matter may request a hearing pursuant to section 42-1701A(3), Idaho Code. A written petition contesting the action of the Director and requesting a hearing shall be filed within fifteen (15) days after receipt of the denial or conditional approval.

ORAL ARGUMENT

If the Director grants a petition to review the preliminary order, the Director shall allow all parties an opportunity to file briefs in support of or taking exceptions to the preliminary order and may schedule oral argument in the matter before issuing a final order. If oral arguments are to be heard, the Director will within a reasonable time period notify each party of the place, date and hour for the argument of the case. Unless the Director orders otherwise, all oral arguments will be heard in Boise, Idaho.

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CERTIFICATE OF SERVICE

All exceptions, briefs, requests for oral argument and any other matters filed with the Director in connection with the preliminary order shall be served on all other parties to the proceedings in accordance with IDAPA Rules 37.01.01302 and 37.01.01303 (Rules of Procedure 302 and 303).

FINAL ORDER

The Director will issue a final order within fifty-six (56) days of receipt of the written briefs, oral argument or response to briefs, whichever is later, unless waived by the parties or for good cause shown. The Director may remand the matter for further evidentiary hearings if further factual development of the record is necessary before issuing a final order. The department will serve a copy of the final order on all parties of record.

Section 67-5246(5), Idaho Code, provides as follows:

> Unless a different date is stated in a final order, the order is effective fourteen (14) days after its service date if a party has not filed a petition for reconsideration. If a party has filed a petition for reconsideration with the agency head, the final order becomes effective when:
>
> (a) The petition for reconsideration is disposed of; or
> (b) The petition is deemed denied because the agency head did not dispose of the petition within twenty-one (21) days.

APPEAL OF FINAL ORDER TO DISTRICT COURT

Pursuant to sections 67-5270 and 67-5272, Idaho Code, if this preliminary order becomes final, any party aggrieved by the final order or orders previously issued in this case may appeal the final order and all previously issued orders in this case to district court by filing a petition in the district court of the county in which:

i. A hearing was held,
ii. The final agency action was taken,
iii. The party seeking review of the order resides, or
iv. The real property or personal property that was the subject of the agency action is located.

The appeal must be filed within twenty-eight (28) days of this preliminary order becoming final. See section 67-5273, Idaho Code. The filing of an appeal to district court does not itself stay the effectiveness or enforcement of the order under appeal.

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IDAHO DEPARTMENT OF
WATER RESOURCES

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Governor Brad Little Director Gary Spackman

July 26, 2022

TIM & LISA, DAVIS
7872 RICHEY RD
FRUITLAND, ID 83619

RE: Scheduling Field Exam for Water Permit No. 65-23579

Dear Permit Holder:

We are planning to conduct water right examinations in the vicinity of the above-referenced permit **during the weeks of 8/1/22 through 9/23/22**. An examination is needed to verify the water use in order to issue a water right license.

The above-referenced permit authorizes **0.27 CFS of GROUNDWATER** for **IRRIGATION, STOCKWATER, and DOMESTIC uses**. I have enclosed a water permit report and map depicting the permit place of use and point of diversion for your reference.

The current water right permit owner of record is DAVID W. NATTRESS. We have been unable to contact the permit holder to schedule a field examination. County tax lot information indicates you may own the place of use property associated with this permit. A water right permit is personal property of the permit owner, but the Department will work with the property owner if the beneficial use was developed. If a beneficial use of water under the permit was not developed a license cannot be issued and the permit will be voided.

Please contact me within the next **thirty (30) days** at (208) 334-2190 to either schedule an examination or notify the department a beneficial use was not developed or was abandoned. If you do not respond to this letter, the department will void the permit. I appreciate your attention in this matter, and I look forward to hearing from you.

Sincerely,

Allen Bradbury
Water Resource Agent, Sr.
IDWR Western Region

Enclosure(s): Water Permit Report and Map

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