

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
IN-OFFICE REVIEW/BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATIONPermit No: 94-9358

Exam Date: 02-12-15

1. Does this qualify for an in-office field exam (IDAPA 035.02.r)? X Y N
- Irrigation of 5 acres or less
 - Storage of up to 14.6 AF for stockwater purposes only
 - Any use other than irrigation or storage, if the combined diversion rate is 0.24 cfs or less
 - Other < >

2. Current Owner: Name: Hasz
- Owner of Record Correct? X Y N
- Address of Record Correct? X Y N
- If No: Address

3. Beneficial Use Fees have been paid: X Y N Receipt No: C099737

4. SOURCE**TRIBUTARY**

North Fork Coeur D'Alene River

Coeur D'Alene River

Method of Determination: Per GIS data, NF CDA River adjacent to property of permit holder.

Change in Source: Y X N **B. OVERLAP REVIEW**

1. Other water rights with the same place of use: X NO Overlap

Water Right No.	Source	Purpose of Use	Basis

Comments: POU PIN: RP49N02E306700 – Tract 4. 94-7441 – South of POU, Tract 2. 94-7408, 94-2213, 94-2213, 94-2166 & 94-2094 – Central Shoshone Co. Water District, South portion of QQ, South of POU.

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

Water Right No.	Source	Purpose of Use	Basis

Comments: POD PIN: RP49N02E306700 94-2213 & 94-7408 - groundwater 94-7441 – south of POD.

C. DIVERSION AND DELIVERY SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

Source	Govt. Lot	¼	¼	¼	Sec.	Twp.	Rge.		County
NF CDA River			SE	SW	30	49N	02E	B.M.	Shoshone
								B.M.	

Method of Determination: Application information. POD seems reasonable give taxlot location in QQ.

Change in POD? Y X N Amendment Required? Y X N

2. **PLACE OF USE:** Use: Domestic

TW P	RGE	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
49N	02E	30												X					
		Lot #																	
Total Acres =																			

Method of Determination: On ESRI Imagery queried 02/12/15, There appears to be an area where RVs could park next to the River on the west side of the property. Area is plowed and scraped. PIN RP49N02E306700. Probably irrigating around RVs when in the area. Because not a permanent domestic, shape will be taxlot within QQ.

Change in POU? ____Y __X__N Amendment Required? ____Y __X__N

__ Delivery System Diagram Attached (required). Indicate all major components and distances between components.

Indicate weir size/pipe as applicable.

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

__ Photo of Diversion and System Attached

4. Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

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

2. Measurements: < _____ >

E. FLOW CALCULATIONS

____Additional Computation Sheets Attached

Measured Method:

Per Application Processing Memo #22, 0.04 cfs for domestic use, with yard. 0.02 cfs for domestic, no yard.

Permit allowed = 0.04 cfs

License recommend for 0.04 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \underline{\hspace{2cm}}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = \underline{\hspace{2cm}}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = \underline{\hspace{2cm}}$$

2. Volume Calculations for Other Uses:

Per Application Processing Memo #22, 1.2 afa for domestic use, with yard. 0.6 afa for domestic, no yard.

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03/15 to 10/31 season of use. 231 days. Irrigation limited to 0.5 acres.
2 RVs = 2 households = 1.2 afa max. 0.5 acres irrigation = 0.6 afa max.

231 days/365 days = .63 (63%) 1.2 afa * .63 = 0.8 afa for in trailer use.

0.8 afa for in trailer use plus 0.6 afa for 0.5 acres of irrigation = 1.4 afa

License recommend for 1.4 afa.

G. PURPOSE OF USE

Irrigation _____N # Stock _____ Domestic # of Homes _____2 – RV areas _____

Other:

Change in Purpose of Use? _____Y _____X _____N

Method of Determination:

If Yes: From Use _____ To Use _____ Amount _____ CFS _____ AFA _____

H. NARRATIVE/REMARKS/COMMENTS

Water District: None
Wild and Scenic Watersheds: None

Conditions:

NO gal per day limit

Limited to 0.5 AC irrigation

This right does not grant any right-of-way or easement across the land of another

A fish screen of 0.25 inch or smaller mesh shall be installed and maintained at the point of diversion.

- Per email from D. Nelson dated 12/10/2014 – Not contacting owner regarding fish screen. Will carry condition onto license.

CDA River Min. Stream Flow condition.

Have conditions of permit approval been met? _____X_____Yes _____No

I. RECOMMENDATIONS

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
Domestic	03/15 to 10/31	0.04 CFS	1.4 AF
	<u>Totals:</u>	0.04 CFS	1.4 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

Other:

J. AUTHENTICATION

Field Examiner's Name Dorell Turner Date 02-17-15

Reviewer Daniel A. Nelson Date 2-20-15

THEORETICAL HORSEPOWER EQUATION WORKSHEET (cjh 1/92)

Water Right No.: 94-9358
 Reviewer: D. Favreau
 Date of Review: 2/12/2015

P/D No.:	Senerio 1	Senerio 2	Senerio 3
PUMP HORSEPOWER	0.75	0.75	0.75
BOOSTER HORSEPOWER	0	0	0
PUMPING LEVEL	15	15	15
DISCHARGE PRESSURE	40	50	60
RATE OF FLOW (cfs)	0.04 19	0.04 16	0.03 13
			0.04 16.23

The above calculates the formula =
$$Q = \frac{8.8 * (\text{Efficiency}) * \text{hp}}{\text{depth to water} + 2.31 * (\text{psi}) + \text{friction}}$$

Assumptions: %70 efficiency.
 No Friction

Examiners Notes:

The horsepower as indicated on application. The pressure was estimated by using the standard for pressure tank turn on and shut off of 40 to 60 psi. The lift was estimated using the maximum delineation between the topo map's elevation lines. Area very flat.

[illegible]

Adjudication Recommendation	94-8313		TIMKEN, MARY S; TIMKEN, RICHARD G	GROUND WATER	POU	X		X				0
Adjudication Recommendation	94-8381		STURMAN, SHIRLEY J	GROUND WATER	POD						X	0
Adjudication Recommendation	94-8381		STURMAN, SHIRLEY J	GROUND WATER	POU						X	0
Adjudication Recommendation	94-8465		JENKINS, FRANKLIN	GROUND WATER	POD	X						0
Adjudication Recommendation	94-8465		JENKINS, FRANKLIN	GROUND WATER	POU	X						0
Adjudication Recommendation	94-8478		O NEILL, THOMAS D	GROUND WATER	POD					X		0
Adjudication Recommendation	94-8478		O NEILL, THOMAS D	GROUND WATER	POU					X		0
Adjudication Recommendation	94-8478		O NEILL, THOMAS D	GROUND WATER	POU	X				X		0
Adjudication Recommendation	94-8519		LANCOUR, KEVIN	GROUND WATER	POD						X	0
Adjudication Recommendation	94-8519		LANCOUR, KEVIN	GROUND WATER	POU						X	0
Adjudication Recommendation	94-8847		ROBERTS, COLLEEN	GROUND WATER	POD	X						0
Adjudication Recommendation	94-8847		ROBERTS, COLLEEN	GROUND WATER	POU	X						0
Adjudication Recommendation	94-8864		MEYERS, BARBI; MEYERS, DONALD	GROUND WATER	POD					X		0
Adjudication Recommendation	94-8864		MEYERS, BARBI; MEYERS, DONALD	GROUND WATER	POU					X		0
Water Permit	94-8886	N	GHIGLERI, DAVID V; GHIGLERI, GIAN S	SPRING	POD	X						0
Water Permit	94-8886	N	GHIGLERI, DAVID V; GHIGLERI, GIAN S	SPRING	POU	3.0						3
Water Permit	94-8886	N	GHIGLERI, DAVID V; GHIGLERI, GIAN S	SPRING	POU	X						0
Water Permit	94-8911	N	KDM ID LLC	GROUND WATER	POD	X						0
Water Permit	94-8911	N	KDM ID LLC	GROUND WATER	POU	4.0		4.0				8
Water Permit	94-8911	N	KDM ID LLC	GROUND WATER	POU	X		X				0
Adjudication Recommendation	94-8963		THOMAS, CHERYL; THOMAS, MIKE	GROUND WATER	POD	X						0
Adjudication Recommendation	94-8963		THOMAS, CHERYL; THOMAS, MIKE	GROUND WATER	POU	X						0
Adjudication Recommendation	94-9201		TOM & MARY ALICE JAEGER FAMILY TRUST	GROUND WATER	POD				X			0
Adjudication Recommendation	94-9201		TOM & MARY ALICE JAEGER FAMILY TRUST	GROUND WATER	POU				X			0
Water Permit	94-9358	N	HASZ, CONNIE; HASZ, FRED; HASZ, MARCY; HASZ, WILLIAM	COEUR D ALENE RIVER	POD				X			0
Water Permit	94-9358	N	HASZ, CONNIE; HASZ, FRED; HASZ, MARCY; HASZ, WILLIAM	COEUR D ALENE RIVER	POU				X			0