

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

A. GENERAL INFORMATIONPermit No: 94-9347

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: C099738

4. SOURCE**TRIBUTARY**

Unnamed Stream

Bear Creek

Method of Determination: Per GIS data, unnamed stream trib to Bear Creek on permit holders land.

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

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

Water Right No.	Source	Purpose of Use	Basis
94-8273	Groundwater	Domestic	Recommendation

Comments: POU PIN: RP49N02E280100 94-7148 & 94-8574 – south of POU, PIN: RP49N02E280850 94-8427 – south of POU, PIN: RP49N02E280450

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

Water Right No.	Source	Purpose of Use	Basis
94-8273	Groundwater	Domestic	Recommendation

Comments: POD PIN: RP49N02E280100 94-7148 & 94-8574 – south of POD, PIN: RP49N02E280850 94-8427 – south of POD, PIN: RP49N02E280450

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

Source	Govt. Lot	¼	¼	¼	Sec.	Twp.	Rge.		County
Unnamed Stream			NE	NE	28	49N	02E	B.M.	Shoshone
								B.M.	

Method of Determination: Application information.

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	28	X																
		Lot #																	
Total Acres =																			

Method of Determination: Home visible on GIS imagery. PIN RP49N02E280100.

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 = 0.02 cfs

License recommend for 0.02 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.

License recommend for 0.6 afa.

G. PURPOSE OF USEIrrigation N # Stock Domestic # of Homes 1

Other: Fire Protection

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.

Per information on application, use to be external domestic.

No combined limits: This permit is of a different source than 94-8273. Well for 94-8273 appears to be for internal use, stream diversion of 94-9347 seems to be for external use. Condition 928 does not apply. Condition X35 does not apply as 94-8273 is a recommendation and not perfected. When combined, these rights are not likely to exceed 13000 gal/day.

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	01/01 to 12/31	0.02 CFS	0.6 AF
<u>Totals:</u>		0.02 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

Other:

J. AUTHENTICATIONField Examiner's Name Daniel D. Nelson Date 02/24/15Reviewer Daniel D. Nelson Date 2-24-15

THEORETICAL HORSEPOWER EQUATION WORKSHEET (cjh 1/92)

Water Right No.: 94-9347
 Reviewer: D. Favreau
 Date of Review: 2/12/2015

P/D No.:	Senerio 1	Senerio 2	Senerio 3
PUMP HORSEPOWER	0.5	0.5	0.5
BOOSTER HORSEPOWER	0	0	0
PUMPING LEVEL	40	40	40
DISCHARGE PRESSURE	40	50	60
RATE OF FLOW (cfs)	0.02 10	0.02 9	0.02 8
			0.02 9.02

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 appliation. 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 deliniation between the topo map's elevation lines .

Process	Basin Sequence	Draft	Owner	Source	POD/ POU	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	Total Acres
Water Right	94-4047	N	HELGEN, HOWARD R	GROUND WATER	POD				X													0
Water Right	94-4047	N	HELGEN, HOWARD R	GROUND WATER	POU				X													0
Water Right	94-7148	N	GABEL, CLARK F; GABEL, IRENE E	GROUND WATER	POD	X																0
Water Right	94-7148	N	GABEL, CLARK F; GABEL, IRENE E	GROUND WATER	POU	X																0
Adjudication Recommendation	94-7148		GABEL, CLARK F; GABEL, IRENE E	GROUND WATER	POD	X																0
Adjudication Recommendation	94-7148		GABEL, CLARK F; GABEL, IRENE E	GROUND WATER	POU	X																0
Water Right	94-7390	N	JEROME, DUANE O	SPRING	POD					X												0
Water Right	94-7390	N	JEROME, DUANE O	SPRING	POU										X							0
Adjudication Recommendation	94-7390		JEROME, DUANE O; JEROME, KATHY M	SPRING	POD							X										0
Adjudication Recommendation	94-7390		JEROME, DUANE O; JEROME, KATHY M	SPRING	POU							X			X							0
Adjudication Recommendation	94-8273		HASZ, FRED; HASZ, MARCY	GROUND WATER	POD	X																0
Adjudication Recommendation	94-8273		HASZ, FRED; HASZ, MARCY	GROUND WATER	POU	X																0
Adjudication Recommendation	94-8296		WILBUR, ANN L; WILBUR, FRANK C	GROUND WATER	POD													X				0
Adjudication Recommendation	94-8296		WILBUR, ANN L; WILBUR, FRANK C	GROUND WATER	POU													X				0
Adjudication Recommendation	94-8427		WHITE, CINDY A; WHITE, DONALD M	GROUND WATER	POD	X																0
Adjudication Recommendation	94-8427		WHITE, CINDY A; WHITE, DONALD M	GROUND WATER	POU	X																0
Adjudication Recommendation	94-8574		GABEL, CLARK F; GABEL, IRENE E	UNNAMED STREAM	POD	X																0
Adjudication Recommendation	94-8574		GABEL, CLARK F; GABEL, IRENE E	UNNAMED STREAM	POU	X																0
Adjudication Recommendation	94-8806		BERNTSEN, ROBERT ; BERNTSEN, SHERRI	GROUND WATER	POD				X													0
Adjudication Recommendation	94-8806		BERNTSEN, ROBERT ; BERNTSEN, SHERRI	GROUND WATER	POU				X													0
Adjudication Recommendation	94-8901		JB EFA BNRR LLC	BEAR CREEK	POD									X								0
Adjudication Recommendation	94-8901		JB EFA BNRR LLC	BEAR CREEK	POU									X								0
Adjudication Recommendation	94-8928		FLAMAND, JESSE	GROUND WATER	POD									X								0
Adjudication Recommendation	94-8928		FLAMAND, JESSE	GROUND WATER	POU									X								0
Adjudication Recommendation	94-8988		AUSTIN, DONNA; AUSTIN, RONALD	GROUND WATER	POD									X								0
Adjudication Recommendation	94-8988		AUSTIN, DONNA; AUSTIN, RONALD	GROUND WATER	POU									X								0

Water Permit	94-8994	N	EDWARD ANDERSON BROKER LLC	SPRINGS	POD		X					0
Water Permit	94-8994	N	EDWARD ANDERSON BROKER LLC	SPRINGS	POU		X				X	0
Adjudication Recommendation	94-8996		CLARK II, JAMES A; CLARK, KATHY J	GROUND WATER	POD			X				0
Adjudication Recommendation	94-8996		CLARK II, JAMES A; CLARK, KATHY J	GROUND WATER	POU			X				0
Adjudication Recommendation	94-9022		EDWARD ANDERSON BROKER LLC	BEAR CREEK	POD		X					0
Adjudication Recommendation	94-9022		EDWARD ANDERSON BROKER LLC	BEAR CREEK	POU		X					0
Adjudication Recommendation	94-9023		HIDDEN SPRINGS PROPERTIES LP	GROUND WATER	POD			X				0
Adjudication Recommendation	94-9023		HIDDEN SPRINGS PROPERTIES LP	GROUND WATER	POU			X				0
Adjudication Recommendation	94-9024		HIDDEN SPRINGS PROPERTIES LP	UNNAMED STREAM	POD			X				0
Adjudication Recommendation	94-9024		HIDDEN SPRINGS PROPERTIES LP	UNNAMED STREAM	POU			X				0
Adjudication Recommendation	94-9045		KNAPP, GWEN; KNAPP, RON	GROUND WATER	POD					X		0
Adjudication Recommendation	94-9045		KNAPP, GWEN; KNAPP, RON	GROUND WATER	POU					X		0
Water Permit	94-9347	N	FRED & MARCY HASZ LIVING TRUST	UNNAMED STREAM	POD	X						0
Water Permit	94-9347	N	FRED & MARCY HASZ LIVING TRUST	UNNAMED STREAM	POU	X						0