

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No. 47-7567

1. Owner: A. GRANT STODDARD Phone No. (808) 941-0125
Current Address: 2825 S KING ST. #601 HONOLULU, HI 96826

2. Accompanied by: — NO ONE EXAM. DATE: 6/24/2005

Address: _____ Phone No. _____

Relationship to Permit Holder: _____

3. Source: GROUNDWATER tributary to _____

B. OVERLAP REVIEW

1. Other water rights with same place of use: NONE

_____ ☐ Copies Attached

2. Other water rights with same point of diversion: SEVERAL

_____ ☐ Copies Attached ☐ Copies of Field Exam's Attached

C. SYSTEM DESCRIPTION

1. **Diversion System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable. ☐ Alternative diagram attached

Scale: 1" = _____.

2. ☒ Copy of U.S.G.S. Quadrangle Attached ☐ Aerial Photo Attached
Showing location(s) of point(s) of diversion and (required for irrigation of 10 acres or more).
place(s) of use (required).
☒ Photo of Diversion and System Attached
(required for all but single household domestic groundwater, and stockwater.

System Description (continued)

3. **Narrative:** Description (As operating at time of measurement. Indicate pressure, number of sprinklers, etc.)

SEE MEMO.

☐ See Remarks on page 4 for continuation

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
ARTESIAN HOT WATER					

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

5. **Point(s) of Diversion:**

Ident. No.	Gov't. Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
		NE	SE	NE	9	9S	14E	TWIN FALLS	GIS/SDE
									SITE TAG# A0001976

6. **Place(s) of Use:**

Indicate Method of Determination GIS/SDE ; SITE VISIT

Twp.	Rge.	Sec.	NE 1/4				NW 1/4				SW 1/4				SE 1/4				Totals
			NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	
9S	14E	9				1.0													1.0

Do not use this space

System Description (continued)

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Twp.	Rge.	Sec.	NE 1/4				NW 1/4				SW 1/4				SE 1/4				Totals
			NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	
9S	14E	9				1.0													1.0

Do not use this space

MEMORANDUM

TO: Licensing Exam 47-7567 File

FROM: Corey Skinner

DATE: April 21, 2009

SUBJECT: Licensing Recommendation

On June 24, 2005, while conducting the final stages of the licensing exam for permit 47-7575 I observed the property involved with permit 47-7567. The property consists of approximately one acre (per tax lot info) of irrigated ground. I had made previous attempts to contact the permit holder, and recall speaking with him on the telephone (note that the permit holder lives in Hawaii and does not have easy access to the property involved with 47-7567). During our conversation, the permit holder indicated that I could take a look at the property. He indicated that other than irrigation, no other water use has yet been developed on the property. However, note that the lot has been "stubbed in" and portable irrigation lines had been utilized on the property based on my observations on June 24, 2005.

The property in question is one of several lots that are provided water by a shared artesian low temperature geothermal well (site tag # A0001476). There appears to be an issue related to the extent of use(s) that can be licensed under 47-7567. Permit 47-7567 allows for irrigation (0.02 cfs), recreation (0.20 cfs), domestic (0.04 cfs), and heating (0.20 cfs) uses. As indicated previously, the only currently developed use is irrigation of one acre, but the lot is "stubbed in". The Department has recognized domestic, heating, and similar uses for "stubbed in" lots within subdivisions when considering developed uses for licensing purposes. Obviously irrigation use of up to 0.03 cfs & 4.0 afa for one acre of irrigation can be recognized as a developed beneficial use for license 47-7567. It is debatable whether or not domestic, heating, and recreation use can be allowed. It seems like a reasonable assumption that a home could, and will, be built on the lot, since homes have been built on nearly all of the surrounding lots. It also seems reasonable to assume that the low temperature geothermal well water provided to the lot would be used to provide domestic and heating use for any potential home on the property. On nearby lots some of the homes have swimming pools (see licensing exam files 47-7566 and 47-7575). Typically water use in these types of swimming pools is considered as recreation use. It is probably debatable whether or not recreation use (for a swimming pool) can be recognized.

Typically, domestic use for one home is licensed for a flow rate of 0.04 cfs and 0.6 afa. Heating use is usually licensed based on several calculations that are dependent upon several variables including the size of home and type of construction, all of which are unknown for a yet to be built home. Recreation use for a swimming pool is typically licensed based upon variables that include fill rate, volume of pool, and period of use, all of which are unknown for a yet to be built pool. It should be noted that the Snake River Basin Adjudication claim based on permit 47-7567 was filed for irrigation use, heating use, and domestic use with no recreation use claimed. The domestic and heating use(s) were both claimed at 0.04 cfs and irrigation use was claimed at 0.02 cfs with a total claimed rate of 0.04 cfs. Considering the SRBA claim, I believe it would be reasonable to issue license 47-7567 for the following uses and amounts...

- Irrigation for 0.03 cfs and 4.0 afa for one acre of irrigation.
- Domestic use for 0.04 cfs and 0.6 afa for one home.
- Heating use for 0.04 cfs and 3.2 afa (based on square footage of 1193.6 ft² based on 0.04 cfs as shown on attached calculations).*
- Note that the heating volume is based off of the square footage determined from the claimed rate and is a relatively small sized house considering other houses in the area (note heating volume of 13.9 afa for 47-7575 on a nearby lot was for a 3700 ft² home and a 625 ft² garage). It may be appropriate to recognize a larger volume for heating use based on the likelihood that a larger home would be constructed on the property.

Do not use this space

D. FLOW MEASUREMENTS *NONE*

☐ Additional Data Sheets Attached

1.

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

2. Measurements:

NONE

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

1. Measured Method: *N/A*

2. Alternate Method for Checking Purposes: *1 acre @ 0.03 cfs per acre (allowable)*

F. PUMP EFFICIENCY DATA (Optional) *N/A*

Discharge Pressure: _____ psi x 2.31 = _____ ft (1); Dynamic pumping level: _____ ft (2)

Total Head: (1) + (2) = _____ (3) ; Flow rate: _____ cfs (4)

Water HP: (3) x (4) ÷ 8.8 = _____ (5)

Meter Input KW: 3.6 x _____ KH x _____ CTR or _____ MULT x _____ PTR x _____ N/ _____ T = _____ (6)

Meter Input HP: (6) x 1.34 = _____ (7)

Panel Input KW: _____ Ave PF x _____ Ave Volts x _____ Ave Amps x .001732 = _____ (6)

Panel Input HP: (6) x 1.34 = _____ (7) Efficiency: (5)/(7) x 100 = _____ %

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 1.0 \times 4.0 = 4.0 \text{ afa}$

$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = 0.02 \times 246 \times 1.9835 = 9.76 \text{ afa}$

$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 4.0 \text{ afa}$

2. Volume Calculations for Other Uses:

H. REMARKS AND OVERLAP REVIEW ANALYSIS

SEE MEMO ATTACHED

I. RECOMMENDATIONS * USES NOT "DEVELOPED," BUT LOT IS "STUBBED IN."

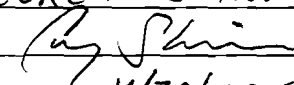
1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
IRRIGATION	3/15	11/15	0.03 cfs	4.0 afa
* DOMESTIC	1/1	12/31	?	?
* RECREATION	1/1	12/31	?	?
* HEATING	1/1	12/31	?	?
Totals:				

2. Recommended Amendments

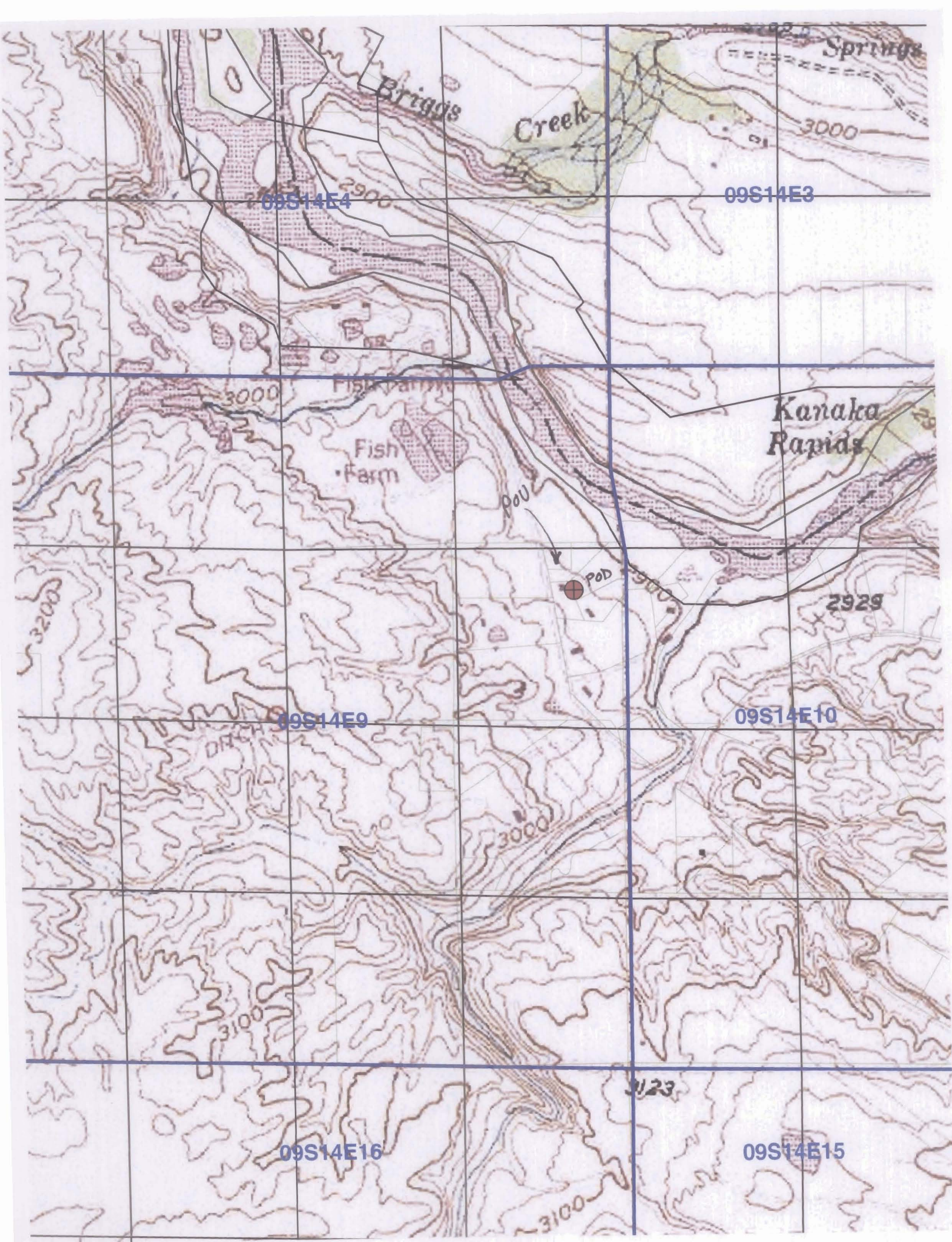
- ☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None
☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

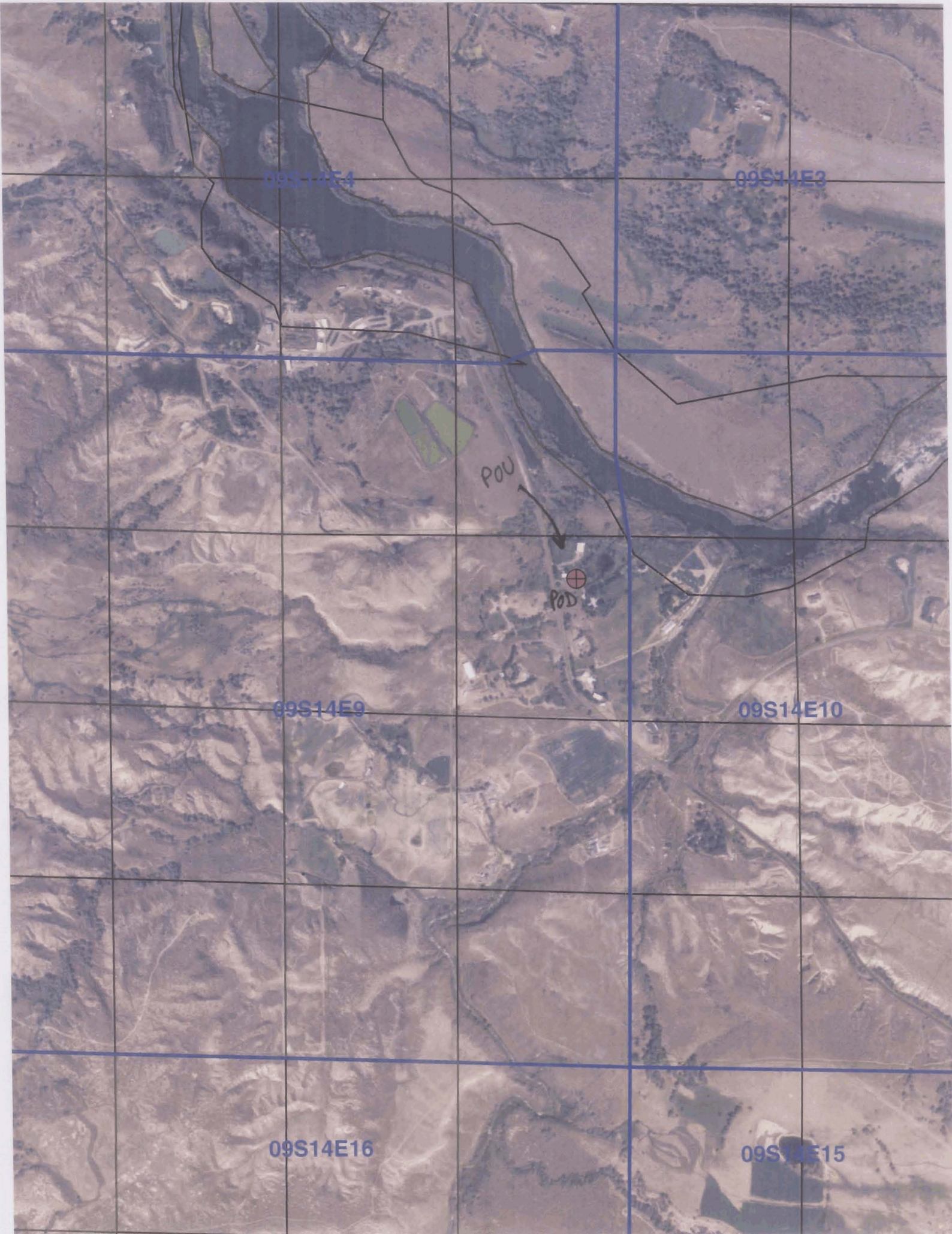
J. AUTHENTICATION

Field Examiner's Name COREY SKINNER
Signature 
Certification Date 4/20/2009
Field Report Preparation Date 4/20/2009

CONSULTANT SEAL

K. Licensing recommendation shall be prepared by an Idaho Department of Water Resources employee on a computer printout attached hereto.





09S14E4

09S14E3

POU

POD

09S14E9

09S14E10

09S14E16

09S14E15

PLACE OF USE
(NOTE TAX LOT
LAYER SHIFTED
TO FAR NORTH)

POU

POD

SITE TAG #
A0001476

09S14E9

09S14E10



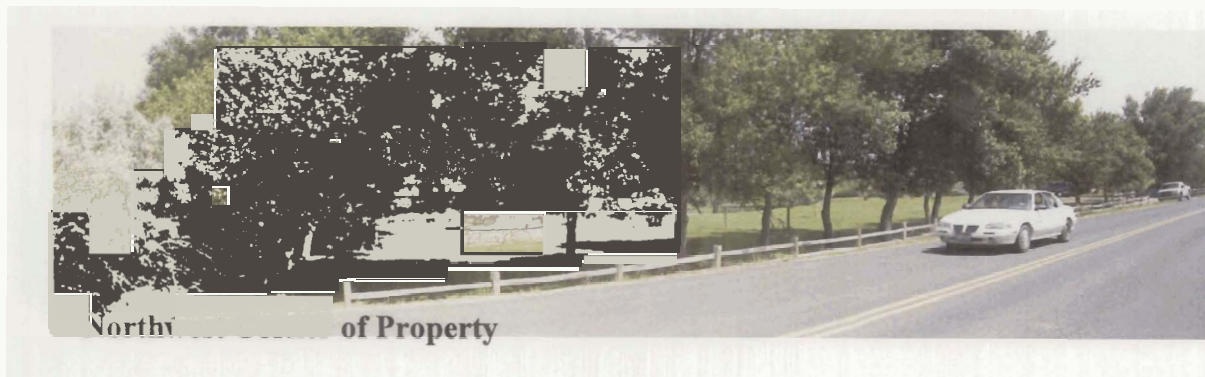
ABOVE: View of point of diversion (artesian well – site tag # A0001476) from west side.

BELOW: View of same point of diversion as above, only from north side.



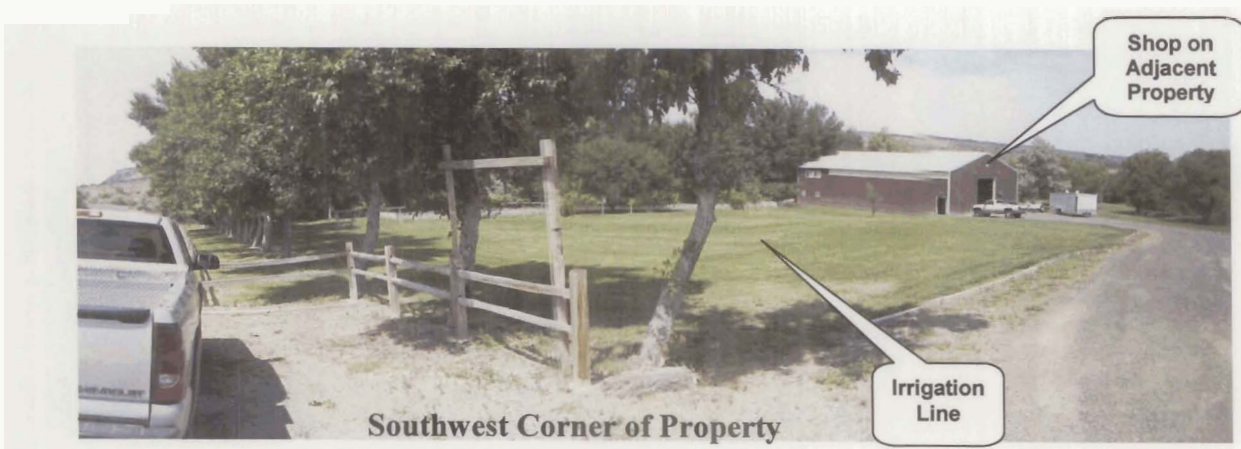
Licensing Exam Photos for 47-7567 (taken June 25, 2005)

24 P.S.



ABOVE: View looking across River Road towards the northwest corner of the Stoddard property showing all of the property being irrigated.

BELOW: View looking across the southwest corner of the Stoddard property showing all of the property being irrigated. Note that the entire Stoddard property is irrigated, but no other use (domestic, heating, recreation, etc.) has been developed on the property.



Licensing Exam Photos for 47-7567 (taken June 25, 2005)

24 P.S.