

Permit No. 85-15446

3. Source: Groundwater tributary to _____

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

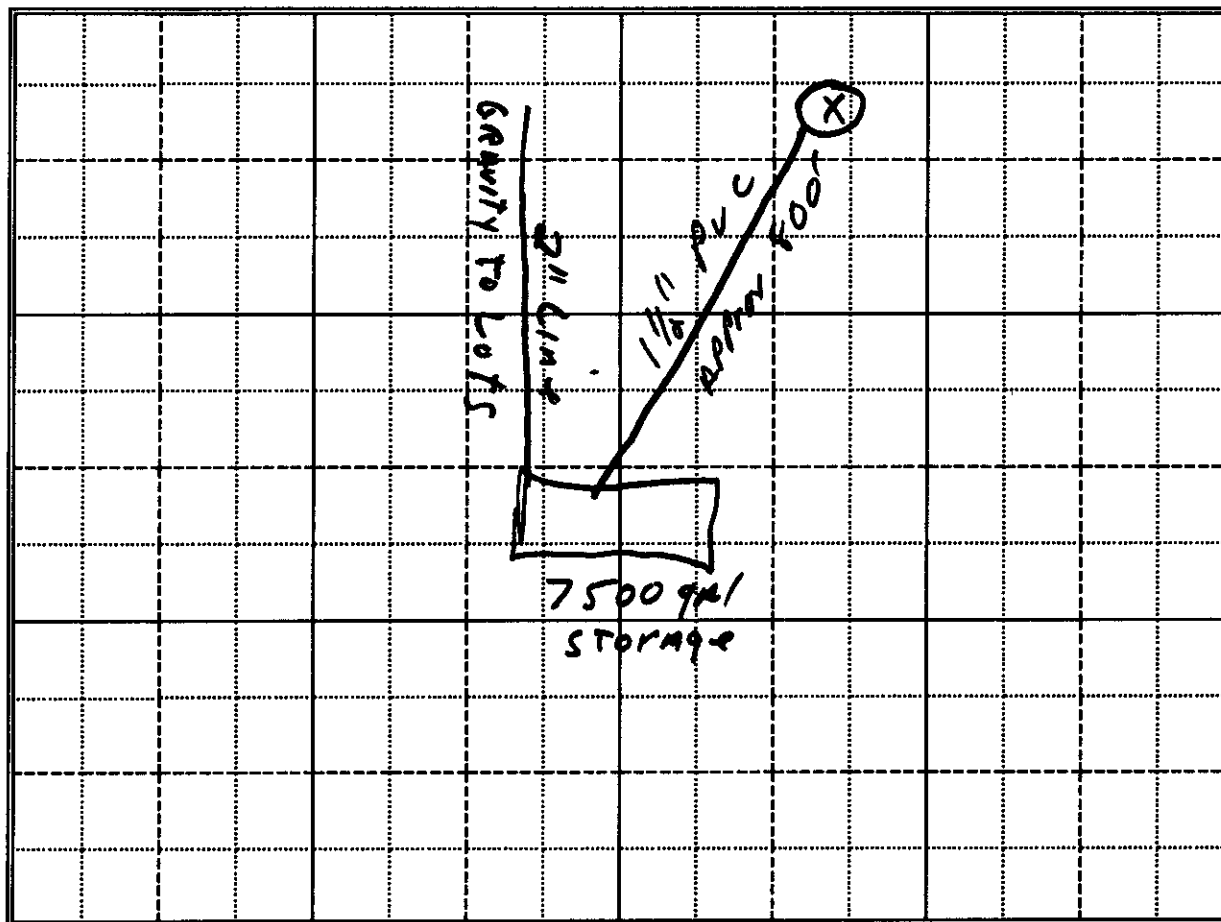
1. Point(s) of Diversion:

[illegible]

Indicate Method of Determination

[illegible]

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable.



Scale: 1" = _____

____ Copy of USGS Quadrangle Attached Showing location(s) of point(s) of diversion and place(s) of use (required).

____ 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
	<i>Aeromotor</i>	<i>1</i>	<i>not available</i>	<i>Sub</i>	<i>1 1/6"</i>

*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:

MEMORANDUM

Date: November 30, 2006
To: Water Right File 85-15446
From: gtaylor
Re: Field Report Narrative

-There is only a portion of one lot that is in the SENW, therefore only 1/4 acre of irrigation is taking place in that quarter-quarter. The remaining 5 lots and 1.25 acres are in the NENW.

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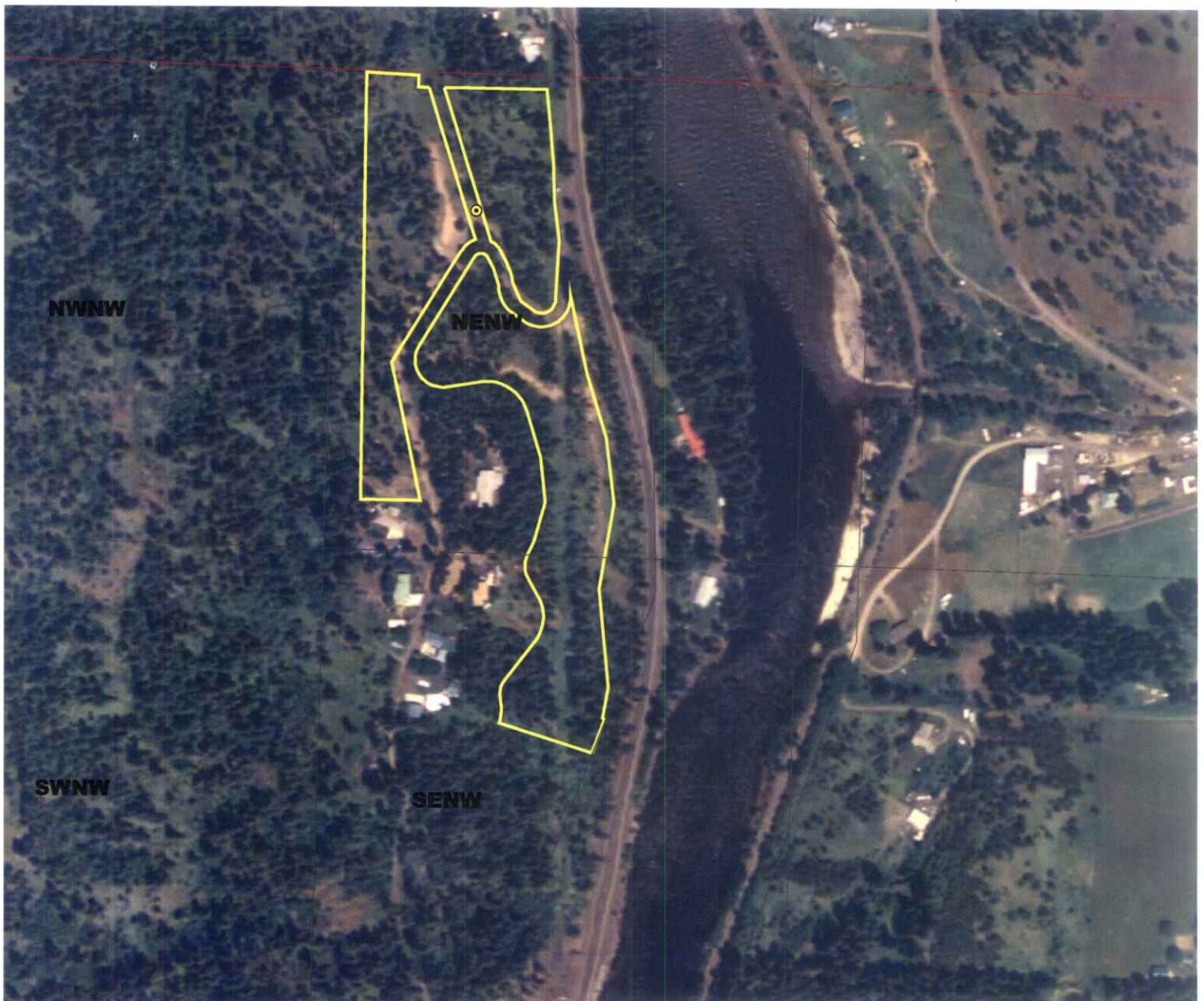
T36N R2E Section 28



Place of Use



Point of Diversion





PW

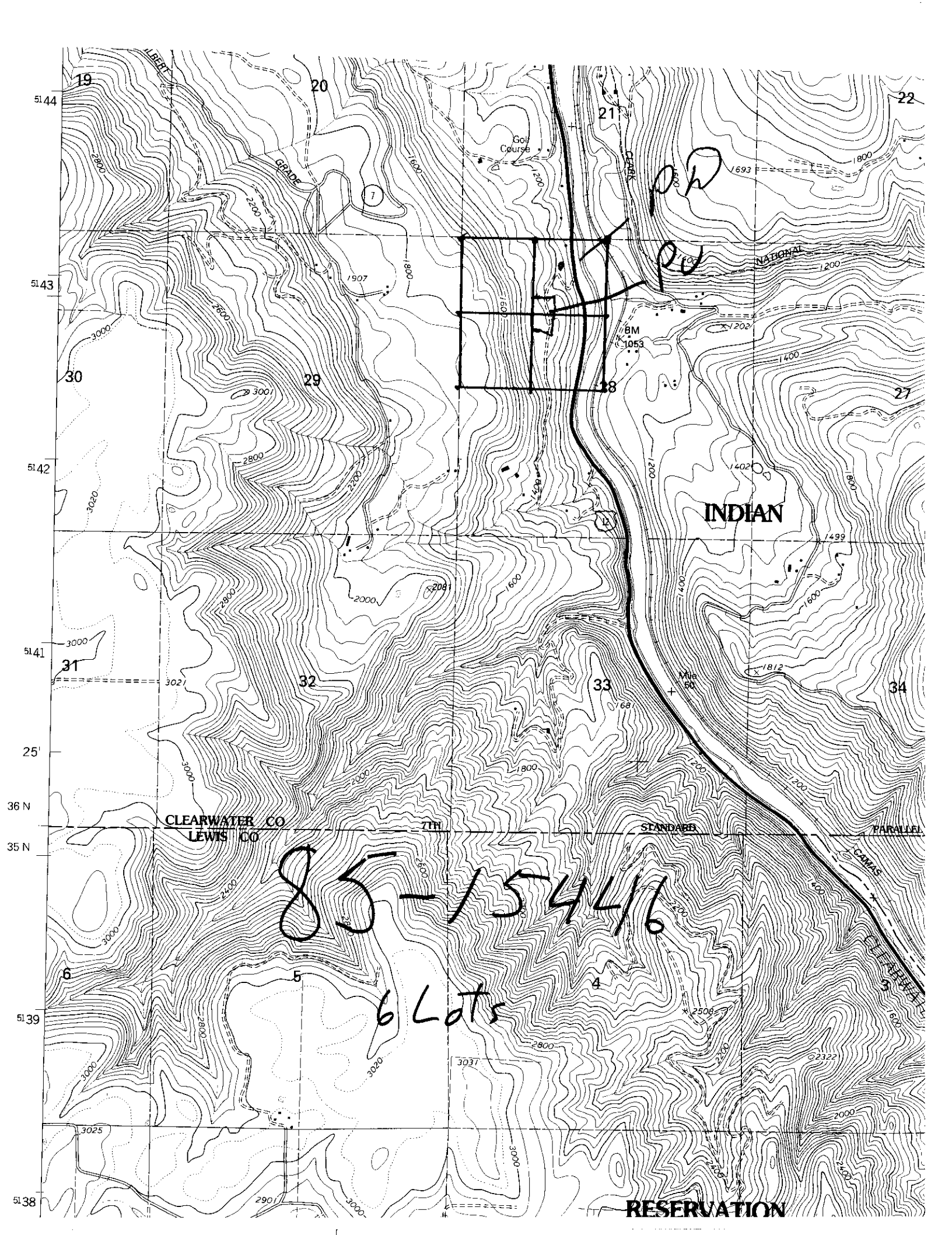


Storage
facility



PJ

85-15446
Hoene



E. NARRATIVE/REMARKS/COMMENTS

From the well water is pumped
up to a storage facility from there
it becomes a gravity flow to 6 lots.
approx 100' of head

Because of pumping limitations irrigation
is limited to $\frac{1}{4}$ acre per house.

Have conditions of permit approval been met? ☒ yes ☐ no

F. FLOW CALCULATIONS

Measured Method:

Pump curve 16 gpm

Additional Computation Sheets Attached

Theoretical

$$\frac{8.8(1)(6.7)}{135 + (2.31 \times 43.35)} = \frac{6.16}{235} = .026 = .03 \text{ cfs}$$

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 1.5 \times 3.5 = 4.5$$
$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = .03 \times 245 \times 1.9835 = 14.5$$
$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 4.5$$

2. Volume Calculations for Other Uses:

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Domestic	01-01	12-31	.03	3.6
Irrigation	03-15	11-15	.03	5.3
				4.5
Totals:			.03	8.1

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

I. AUTHENTICATION

Field Examiner's Name Wayne Baldwin Date 7-26-06

Reviewer [Signature] Date 11-30-06

SEAL