STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 96-9506
Exam Date: 8/12/2015

1. Current Owner: TOM DAVIES
3688 WRENCO LOOP RD
SANDPOINT ID 83864
(208)920-9062

And

LISA DAVIES
3688 WRENCO LOOP RD
SANPOINT ID 83864
(208)920-9062

2. Accompanied by: Tom Davies

3. **SOURCE** JOHNSON CREEK — **TRIBUTARY** PEND OREILLE RIVER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: None
2. Other water rights with the same point of diversion: None

C. DIVERSION AND DELIVERY SYSTEM

1. **LOCATION OF POINT(S) OF DIVERSION:**

JOHNSON CREEK L4 NW1/4NW1/4 Sec. 4, Twp 56N, Rge 03W, B.M. BONNER County

Method of Determination: GPS and maps. POD location at 48° 14.065, 116° 42.934

2.

PLACE OF USE: STOCKWATER

Twp Rge Sec	NE				NW				SW				SE				
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Totals
56N 03W 4						X L 4											

PLACE OF USE: IRRIGATION

Twp Rge Sec	NE				NW				SW				SE				
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Totals
56N 03W 4						3.0 L 4											3.0

Total Acres: 3

Method of Determination: GPS and maps.

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

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

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

__X___ 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
		2			

*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

N/A, CREEK WAS DRY

2. Measurements:

E. FLOW CALCULATIONS _____Additional Computation Sheets Attached

Measured Method: (2 HP)(8.8)(0.8)/ 80 + (40 PSI X 2.3087) = 0.08 CFS OR 37 GPM

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$V_{I.R.}$ = (Acres Irrigated) x (Irrigation Requirement) = 3AC X 3 AF = 9 AF

$V_{D.R.}$ = [Diversion Rate (cfs)] x (Days in Irrigation season) x 1.9835 = 0.08 X 214 X 1.9835 = 34.0 AF

V = Smaller of $V_{I.R.}$ and $V_{D.R.}$ = 9 AF

2. Volume Calculations for Other Uses: STOCKWATER FOR 22 ALPACAS X 12 GPD X 365 DAYS / 325,850 GAL/AF = 0.3 AF

G. NARRATIVE/REMARKS/COMMENTS

FIELD EXAM SHOWED CREEK HAD DRIED UP FOR SUMMER. APPLICANT SAID IT WAS FIRST TIME SINCE HE HAD LIVED THERE THAT IT HAD COMPLETELY DRIED UP. APPLICANT HAD 2 HP PUMP WITH 80 FT LIFT UP HILL TO SITE OF IRRIGATION OF STOCKWATER USE. THEORETICAL ESTIMATES FLOW RATE OF 0.08 CFS OR 37 GPM. IRRIGATION WILL BE REDUCED TO 3 ACRES BECUASE APPLICANT WAS USING WELL TO IRRIGATE LAND AROUND HOUSE. 22 ALPACAS WERE PRESENT AND STOCKWATER WILL BE GIVEN ANNUAL VOLUME OF 0.3 AF.

Have conditions of permit approval been met? __X___Yes _____No

H. RECOMMENDATIONS

1. Recommended Amounts

BENEFICIAL USE	PERIOD OF USE	DIVERSION RATE	ANNUAL VOLUME
STOCKWATER	01/01 to 12/31	0.020 CFS	0.30 AF
IRRIGATION	04/01 to 10/31	0.080 CFS	9.00 AF
	Totals:	0.080 CFS	9.30 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 ___Other

I. AUTHENTICATION

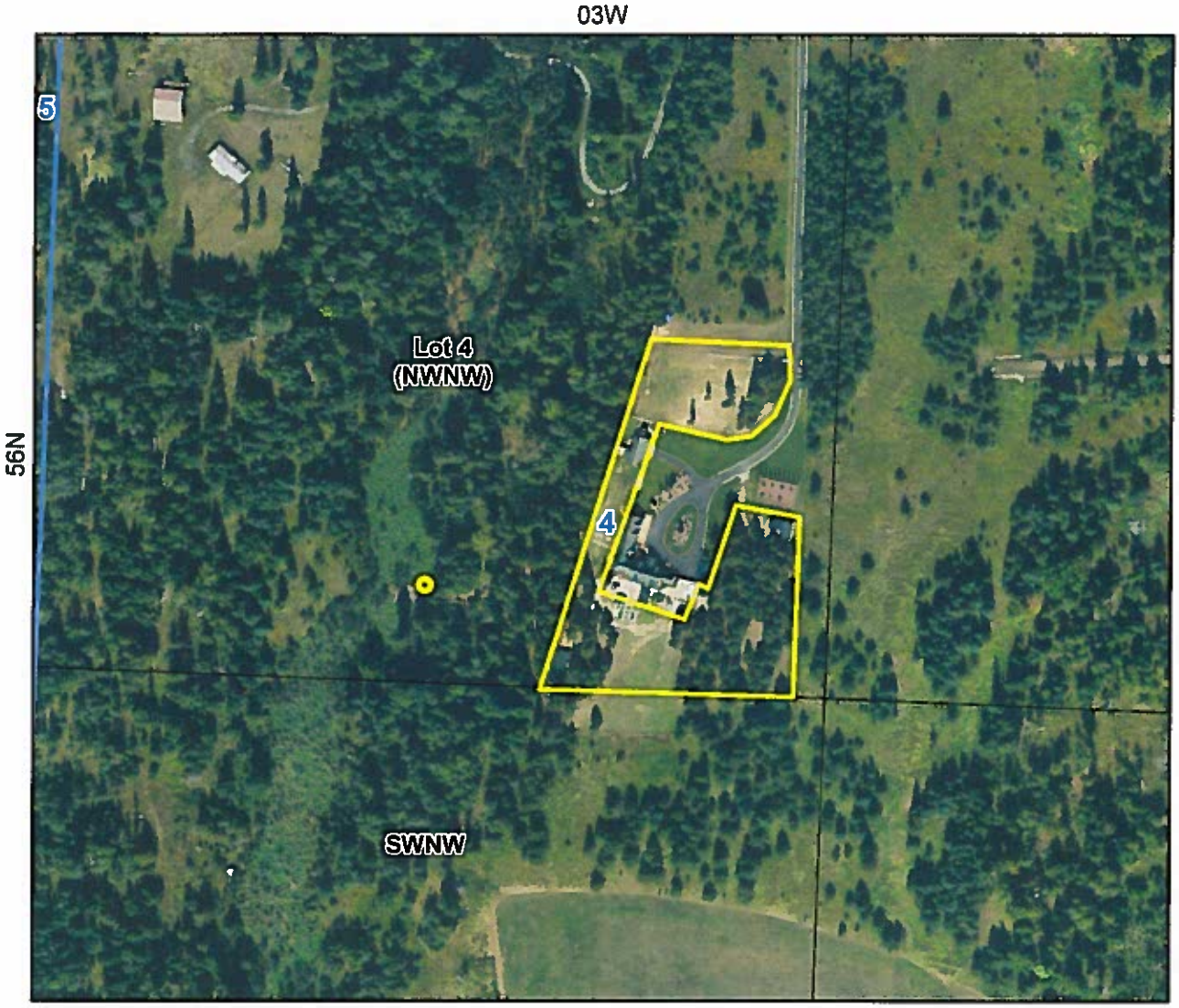
Field Examiner's Name Adam Frankel Date 12-15-2015

Reviewer Eric Hansen Date 12-18-2015

State of Idaho
Department of Water Resources

Water Right License

96-9506



0 0.035 0.07 0.14 Miles

- Point of Diversion
- Place Of Use Boundary
- Townships
- PLS Sections

N

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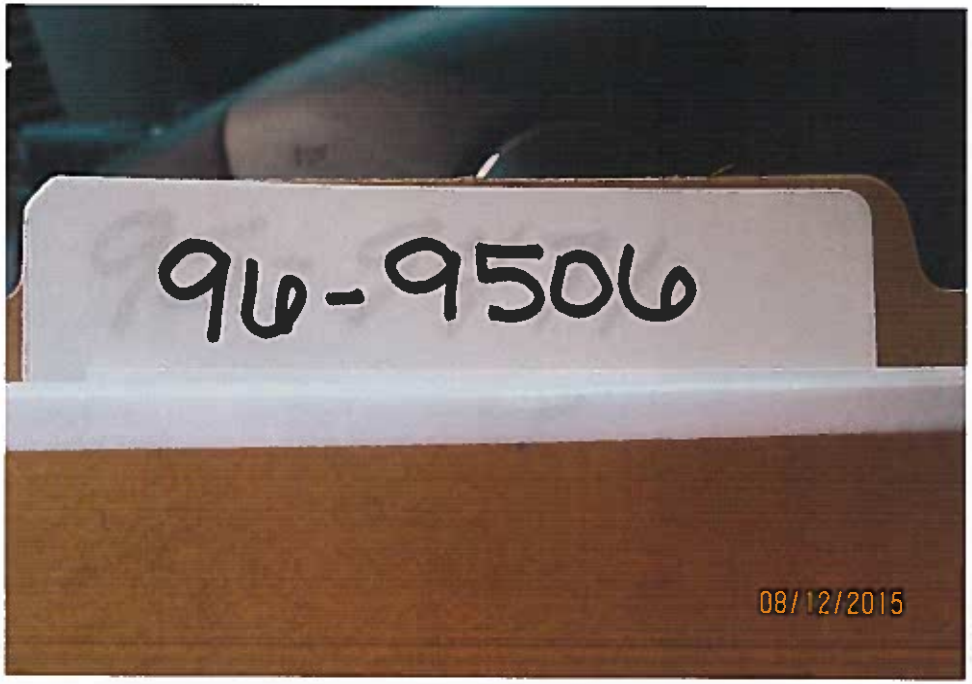

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