

STATE OF IDAHO  
DEPARTMENT OF WATER RESOURCES  
**BENEFICIAL USE FIELD REPORT**

**A. GENERAL INFORMATION**

**Permit No:** 15-7120  
**Exam Date:** 07/15/2015

1. Current Owner:  
JENNIE ALDER 440 S MAIN MALAD CITY ID 83252  
JEFF ALDER 440 S MAIN MALAD CITY ID 83252
2. Accompanied by: Logan Alder  
Phone No:208 766 3187  
Relationship to permit Holder: Son

3. **SOURCE:**  
GROUND WATER

**Method of Determination:** Point of diversion was flowing artesian well.

**B. OVERLAP REVIEW**

1. Other water rights with the same place of use: No Overlap
2. Other water rights with the same point-of-diversion: NO Overlap

**C. DIVERSION AND DELIVERY SYSTEM**

1. **LOCATION OF POINT(S) OF DIVERSION:**  
GROUND WATER NW¼ SE¼, Sec. 4, Twp 15S, Rge 36E, B.M. ONEIDA County

Method of Determination: GPS and ArcMap

**PLACE OF USE:** IRRIGATION

Twp	Rng	Sec	NE				NW				SW				SE				Totals		
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE			
15S	36E	4																	11.0	3.5	14.5

Total Acres: 14.5

Method of Determination: Aerial photography and ArcMap

3.  Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
- Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
- Aerial Photo Attached (required for irrigation of 10+ acres).
- Photo of Diversion and System Attached

4. **Well Information:** Flowing artesian well.

**D. FLOW MEASUREMENTS**

Measured by timing the filling of a five gallon bucket. Highest gpm taken for rate.

**E. FLOW CALCULATIONS**

           Additional Computation Sheets Attached

0.10 cfs, see included spreadsheet calculations.

**F. VOLUME CALCULATIONS**

1. Volume Calculations for irrigation:

$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 14.5 \text{ acres} \times 3.5 \text{ acre feet/acre} = 50.8 \text{ af}$

$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.1 \times \overset{215}{214} \times 1.9835 = \overset{42.6}{42.4} \text{ AF}$

$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = \underset{42.4}{42.6} \text{ AF}$

**G. NARRATIVE/REMARKS/COMMENTS**

One well, open discharge into ditches. Ditches flood irrigate the place of use.

An included graph presents the water levels in a flowing artesian well located approximately 2.5 miles southeast of this right's point of diversion. The well is measured roughly twice per year, once in the spring and once in the fall. Water levels at the time of the field exam were roughly equivalent to water levels during the permit's development period.

Have conditions of permit approval been met?   X   Yes        No

**H. RECOMMENDATIONS**

**1. Recommended Amounts**

<u>Beneficial Use</u>	<u>Period of Use</u>	<u>Rate of Diversion</u>	<u>Annual Volume</u>
IRRIGATION	04/01 to 10/31	0.10 CFS	42.4 AF
<b>Totals:</b>		0.10 CFS	42.4 AF

**2. Recommended Amendments**

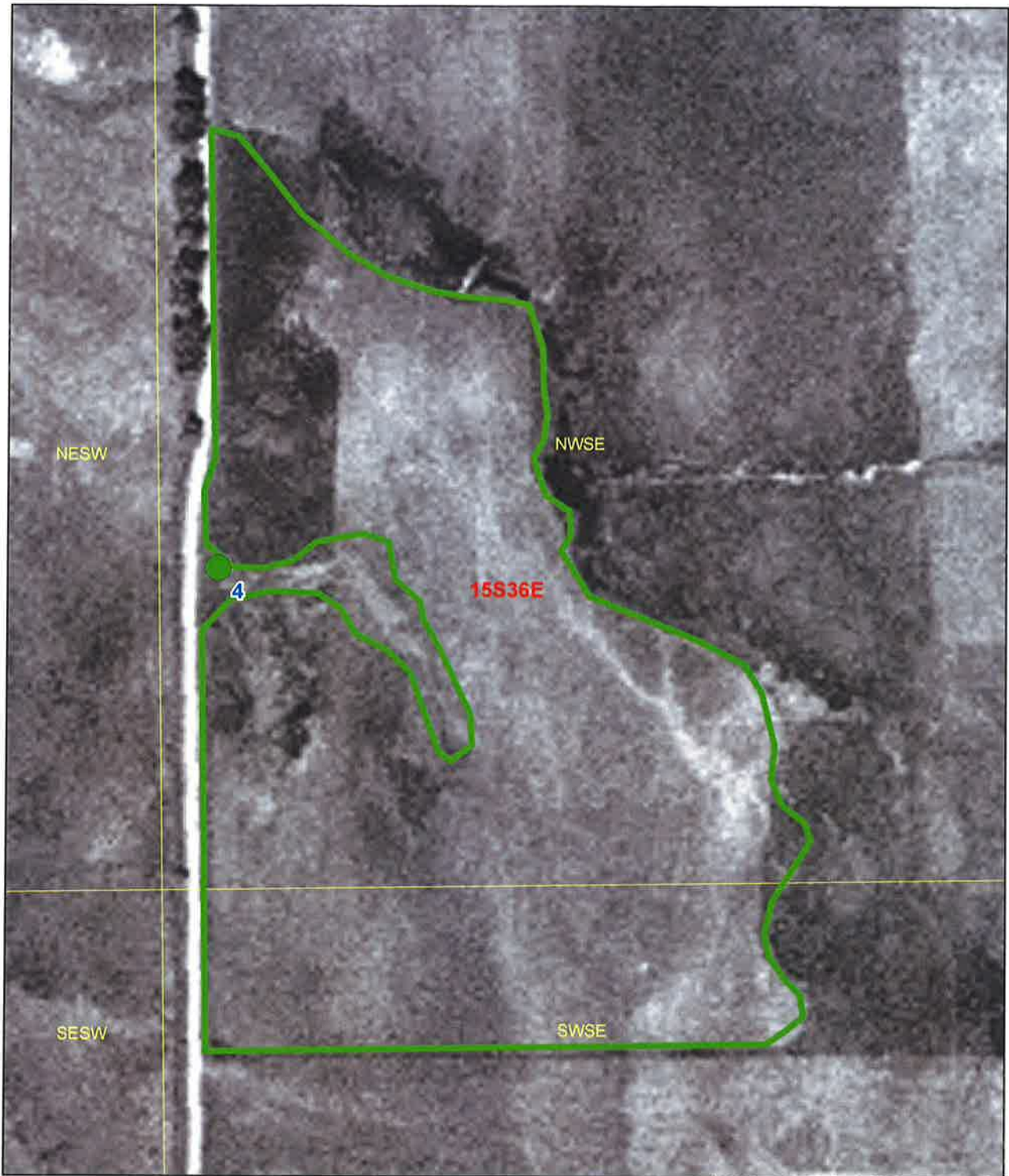
Change P.D. as reflected above   
  Add P.D. as reflected above   
  None  
 Change P.U. as reflected above   
  Add P.U. as reflected above   
  None

**I. AUTHENTICATION**

Cooper Fritz - Eastern Region: Water Resource Agent, Senior

Field Examiner's Name \_\_\_\_\_ Date \_\_\_\_\_  
 Reviewer James Cefalo Date 7/30/19

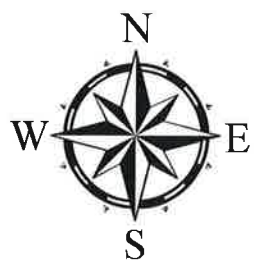
# 15-7120 Place of Use and Point of Diversion at Licensing



1992 - 2000 Aerial Photography

**Legend**

- Water Right POD
- ▭ Water Right POU
- ▭ Township/Range
- ▭ Sections
- ▭ QQ



Seconds to Fill Five Gallon Bucket	Seconds to Produce One Gallon	Production in GPM	Production in cfs
6.7	1.34	44.78	0.10
6.9	1.38	43.48	0.10
6.8	1.36	44.12	0.10
6.9	1.38	43.48	0.10
7.1	1.42	42.25	0.09

Total Developed Diversion Rate: 0.10 cfs

15-7120 Diversion rate calculation



# Water Level vs Date

## Well 15S 36E 22 ABA1



State of Idaho  
Department of Water Resources

# Permit To Appropriate Water

NO. 15-07120

Proposed Priority: January 19, 1990 Maximum Diversion Rate: 0.29 CFS

This is to certify, that **JENNIE ALDER**  
**JEFF ALDER**  
440 S. MAIN  
MALAD, ID 83252

has applied for a permit to appropriate water from: **GROUNDWATER**  
and a permit is **APPROVED** for development of water as follows:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE OF DIVERSION</u>
IRRIGATION	04/01 to 11/01	0.29 CFS

LOCATION OF POINT(S) OF DIVERSION: NWSE Sec. 4, Township 15S, Range 36E  
ONEIDA County

PLACE OF USE: IRRIGATION

<u>TWN</u>	<u>RGE</u>	<u>SEC</u>	<u>ACRES</u>	<u>ACRES</u>	<u>ACRES</u>	<u>TOTAL</u>
15S	36E	4	NWSE 11	SWSE 3.5		14.5

Total number of acres irrigated: 14.5

CONDITIONS/REMARKS:

1. Proof of construction of works and application of water to beneficial use shall be submitted on or before **August 1, 1991**.
2. Subject to all prior water rights.
3. Permit holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code.
4. The rate of diversion of water for irrigation under this permit and all other water rights on the same land shall not exceed 0.02 cubic feet per second for each acre of land.

This permit is issued pursuant to the provisions of Section 42-204, Idaho Code.  
Witness the seal and signature of the Director, affixed at Boise, this

9<sup>th</sup> day of July, 1990

*J. Keith Higginson*  
for R. Keith Higginson, Director

**RECORDED**

JUL 19 1990

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