

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 31-7526

Exam Date: 9/21/2007

1. Current Owner: USDA FOREST SERVICE
BOISE NATIONAL FOREST
1249 S VINNELL WAY STE 200
BOISE ID 83709
(208) 373-4133
2. Accompanied by: Not accompanied, GPS coordinates provided by Shane Jacobson, from Dubois FS Station
Shane Q. Jacobson
Sup. Natural Resource Specialist
Dubois Ranger District
(208) 374-5422

- | 3. <u>SOURCE</u> | <u>TRIBUTARY</u> |
|------------------|------------------|
| HIGH SPRING | MINERS CREEK |

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:

HIGH SPRING NE1/4SE1/4SE1/4 Sec. 31, Twp 14N, Rge 37E, B.M.
CLARK County

Method of Determination: Garmin GPS

- 2.

PLACE OF USE: STOCKWATER

[illegible]

Method of Determination: Garmin GPS

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.

<u>Well or Diversion ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge Size</u>
708947					

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

D. FLOW MEASUREMENTS

1.

<u>Measurement Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>

2. Measurements:

E. FLOW CALCULATIONS☒ Additional Computation Sheets Attached

Measured Method: Hazen-Williams Pipe flow calculation used to determine carrying capacity of system

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

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

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 =$$

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

2. Volume Calculations for Other Uses: 14 afa for 1000+ range cattle

G. NARRATIVE/REMARKS/COMMENTS

porferated 30 gallon alluminum metal garbage can to 1 inche poly pipe to galvinized steel to trough used to water 1000+ range cattle. Sheep have historically been ranged on this property, but this practiced has been stopped due to predation.

Have conditions of permit approval been met? ☒ Yes ☐ No

H. RECOMMENDATIONS**1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
STOCKWATER	06/01 to 10/30	0.020 CFS	14.00 AF
<u>Totals:</u>		0.020 CFS	14.00 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 ☐ Other

I. AUTHENTICATION

Field Examiner's Name Nate Arave Date 9/21/2007

Reviewer Nate Arave Date 9/21/07

Hazen-Williams Equation Calculator

Permit No. 31-7526

Enter These Parameters From the Worksheet

Pipe Diameter (ft)	0.0833
Pipe Length (ft)	128
Elevation Drop (ft)	35
Values for Type of Pipe (Ch)	140
Discharge (cfs)	0.05

Pipe Values

- 150 -plastic PVC
- 140 -very Smooth
- 130 -cast iron
- 120 -wood, concrete
- 110 -riveted steel
- 100 -old cast iron
- 80 -badly corroded cast iron

Comment Report

31-7526

1. narave 9/24/2007 Field Report Narrative

Comment: porferated 30 gallon alluminum metal garbage can to 1 inche poly pipe to galvinized steel to trough used to water 1000+ range cattle. Sheep have historically been ranged on this property, but this practiced has been stopped due to predation.

2. narave 9/24/2007 POD

Comment: Updated shape

3. narave 9/24/2007 POD

Comment: Updated PLS

4. narave 9/24/2007 POU

Comment: Updated Shape

5. narave 9/24/2007 POU

Comment: Updated PLS

6. narave 9/24/2007 POU

Comment: Updated PLS

7. narave 9/24/2007 overlap Review

Comment: none with POD, or at POU

[illegible][illegible]





$$\begin{aligned} -112^{\circ}8'35'' &= -112.1430558 \\ 42\ 29\ 28 &= 40.491111 \\ &\quad \swarrow \end{aligned}$$



















