

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	
01N	18E	20															X	X	
01N	18E	28					X	X	X	X	X	X	X	X					
01N	18E	29	X			X													

Method of Determination:

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</u> <u>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</u> <u>Size</u>
n/a					

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

D. FLOW MEASUREMENTS

1.

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

2. Measurements: Five timed measurements were taken with 5-gallon bucket at point of diversion. An average of 31 seconds was required to fill bucket. Rate determined to be 9.7 gpm equaling 0.022cfs. Recommended rate is 0.02cfs.

E. FLOW CALCULATIONS

Measured Method: Bucket/stopwatch

____ Additional Computation Sheets Attached

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:

System capacity: 9 gpm = 12960 gpd $\rightarrow$ 12960(365) = 4,730,400 gallons/year $\rightarrow$ 4,730,400(1/325850) = 14.5 af

Permit Limitation: Use is for 10 horses and 100 range cattle:

$$10 \text{ horse} = 120 \text{ gpd}(365) = 0.13 \text{ af}$$

$$100 \text{ range cattle} = 1.3 \text{ af}$$

$$\text{Total} = \underline{1.4 \text{ af}}$$

Stock watered per applicant statement: 30 range cattle = 0.4 af

G. NARRATIVE/REMARKS/COMMENTS

Stockwater system consists of a pipe intercepting a spring at the head of a gulch beginning above the applicants property. Pipe acts to collect and focus spring so that a very small brook can run in the bottom of the gulch. Gulch intercepts applicants Northern property line and then extends about a mile before flattening out to a meadow that extends to the opposite Southern end of the property line (Glendale Rd). A small trough has been placed just below Northern property line in the small creek bed.

Permit as approved placed the point of diversion where the gulch intercepts the applicants property line. Point where pipe intercepts spring is on BLM property where gulch begins. The point of diversion was going to be recommended where the pipe intercepts the spring on BLM property with conditioning granting no right of way or easement. A licensing amendment was sent to the applicant with this recommendation. Before a signed amendment was returned I was advised this recommendation is in error. Further review recommends the permit should be licensed as an instream stock water right. I am recommending the license authorize an instream reach extending from where gulch meets with applicants property to where stream disappears underground at the meadow.

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	1/01 to 12/31	0.020 CFS	0.4 F
<u>Totals:</u>		0.020 CFS	

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 NICK VAN DYKE Date 7/24/08

Reviewer MS Date 11/7/08

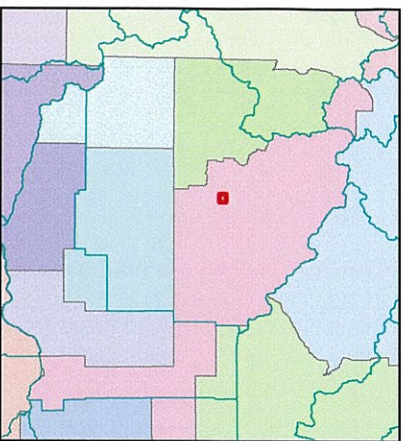


Water Right
37-8564
(STOCKWATER)

Idaho Department of Water Resources

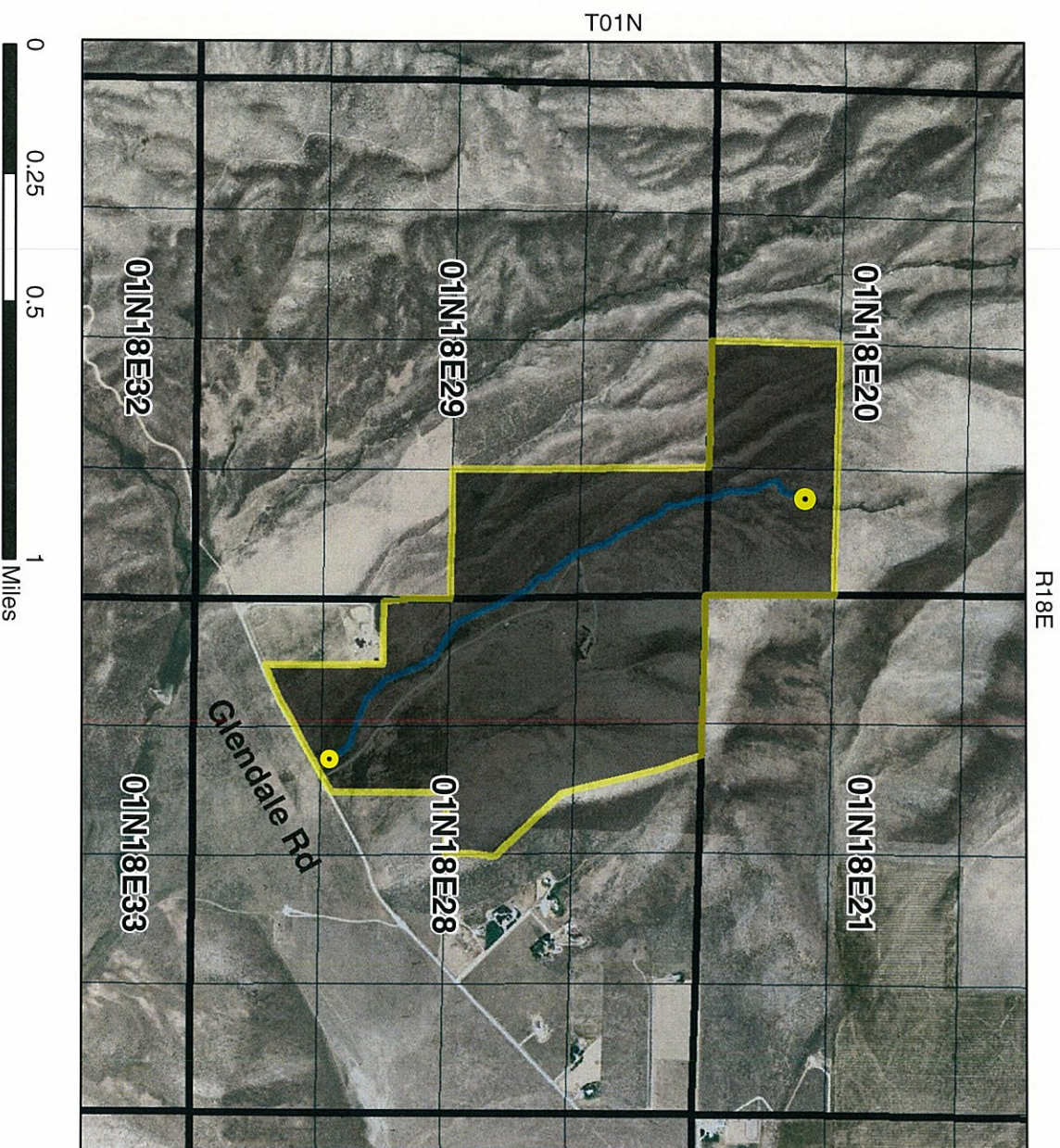
Legend

- diversion
- Point of Diversion
- stream_channel
- Place of Use
- PLS Sections
- Quarter Quarters



Blaine County
IDWR Basin 37

Prepared by Nick Van Dyke
On November 07, 2008
2006 Aerial Photography

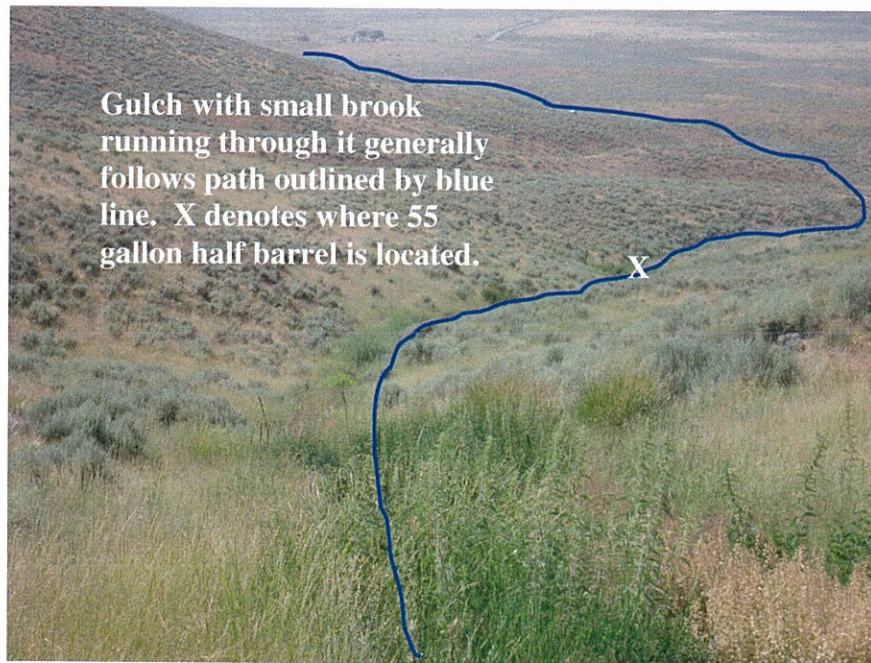




- 2.5 inch steel pipe that intercepts spring



- 55 gallon barrel that's been cut in half serves as trough. Small brook created by diversion flows thru and on down gulch. Trough is set about a quarter of the way down gulch from the point of diversion to bottom of property.



Looking south across the place of use. Photo was taken near the point of diversion at the top of the place of use.



- Place of use looking down gulch from where 55 gallon barrel is located.