

Twp Rge Sec	NE	NW	SW	SE	NE	NW	SW	SE	SW	SE	SE	NE	NW	SW	SE	Totals
12S 41E 29	<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>	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.

Well or Diversion**ID No.*****Motor Make****Hp****Motor Serial No.****Pump Make****Pump Serial No. or Discharge Size**

*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:

E. FLOW CALCULATIONS☐ Additional Computation Sheets Attached

Measured Method:

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:

$$\text{Domestic use} = 1.2 \text{ AF}$$

$$\text{Stockwater} = 60 \times 12 \text{ gpd} \times 365 = 262800 / 325850 = .8 \text{ AF}$$

G. NARRATIVE/REMARKS/COMMENTS

Field exam completed September 10, 2013. Point of Diversion and place of use located.

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>
DOMESTIC	01/01 to 12/31	0.020 CFS	1.20 AF
STOCKWATER	01/01 to 12/31	0.020 CFS	0.80 AF
<u>Totals:</u>		0.020 CFS	2.00 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 Kyrie Mathews Date _____

Reviewer _____ Date _____

Water is piped to this location, where it is allowed to surface and flow in a channel.
-111.683257, 42.344627

Trough, piped from spring
-111.683731, 42.344533

Spring
-111 40.955, 42 20.678

Home, water is piped from the spring
-111.683329, 42.344347

Berm built to impound water, piping is in place to maintain level and send balance of water downstream.
-111.684762, 42.343898

SWSE

29

12S41E

SESE

SWSW

28

32
NWNE

NENE

NWNW

33

Source: Esri, DigitalGlobe, GeoEye, USDA, USGS, AEX, CompuLink, AeroGRID, IGN, IGP, Swisstopo, and the GIS User Community



FIELD INSPECTION

13-7600



