

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 29-13712

Exam Date: 6/12/2014

1. Current Owner: MOOSE MOUNTAIN SUBDIVISION
C/O STUART NELSON
PO BOX 576
INKOM ID 83245
(208)681-4444
2. Accompanied by: Jerrilee Brower (Secretary); John Knight (President)
Phone No: Jerrilee-(208)775-4957; John-(208)251-2851
Address: Jerrilee- PO Box 576 Inkorn ID, 83245; John- 2794 Hannah Circle, Inkorn ID 83245.
Relationship to Permit Holder: Jerrilee is the Secretary and John is the President of the Moose Mountain Home Owners Association.

3. **SOURCE****TRIBUTARY**

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 29-13350
2. Other water rights with the same point of diversion: 29-13350

C. DIVERSION AND DELIVERY SYSTEM1. **LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER

NE1/4NE1/4

Sec. 23, Twp 07S, Rge 36E, B.M.

BANNOCK County

Method of Determination: GPS

2.

PLACE OF USE: DOMESTIC

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>	
07S	36E	23	X	X						X									

Method of Determination: Aerial Photography and site visit.

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>
E0008239		5.0			

D. FLOW MEASUREMENTS

1.

<u>Measurement Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Calib. Date</u>
Flow meter	Ultra-sonic	Fuji	3/2014

2. Measurements:

E. FLOW CALCULATIONS

_____Additional Computation Sheets Attached

Measured Method:

Portable flowmeter: between 35-40 gallons per minute.

Installed Flowmeter: Approximately 120.0 gallons in 3.0 minutes = 40.0 gallons per minute.

Q= 0.09 cfs

Water rights 29-13350 and 29-13712 will be limited to 0.09 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

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

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

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

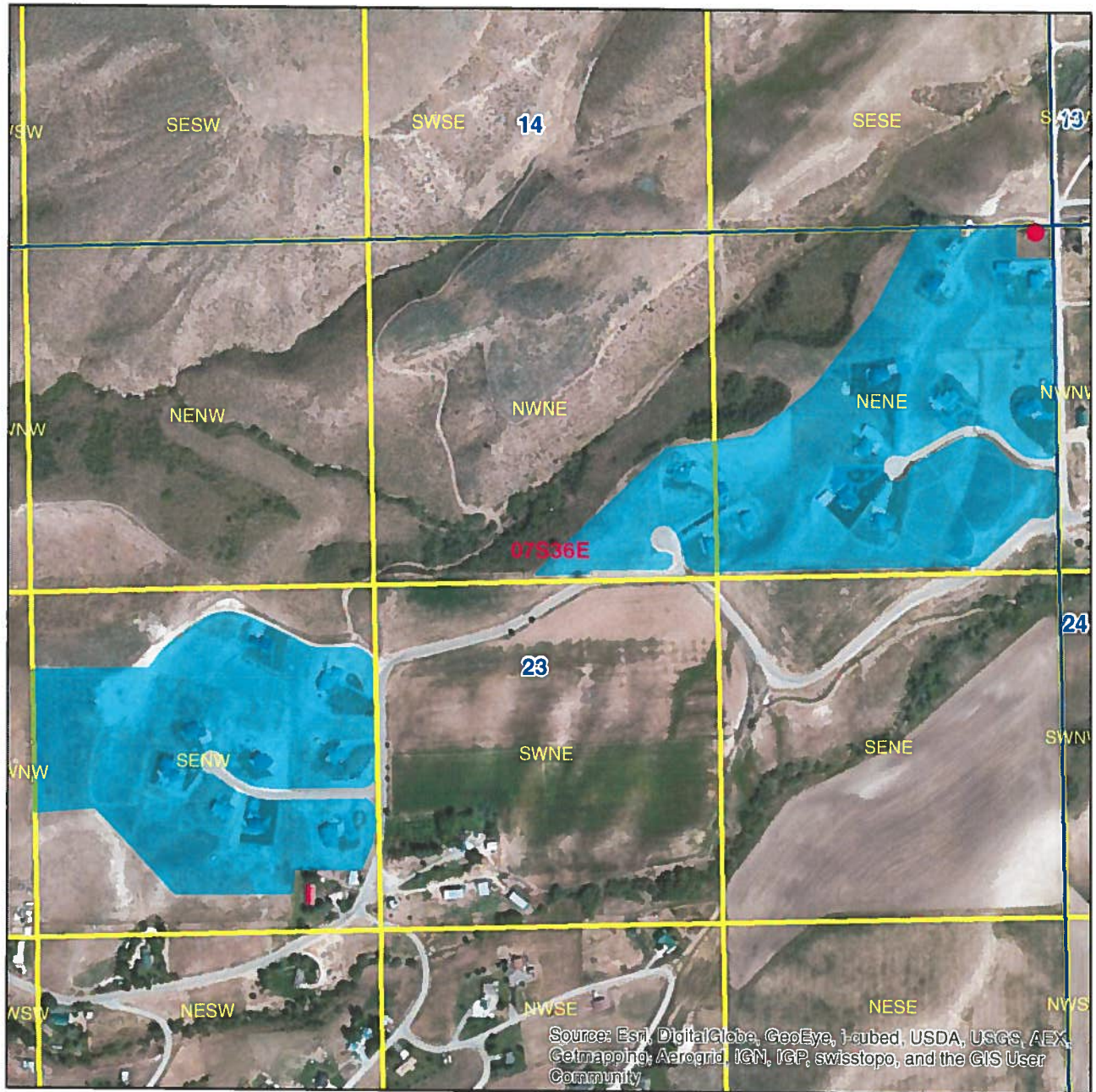
2. Volume Calculations for Other Uses:

In-house use/home =0.60 acre-feet

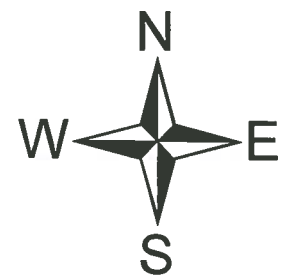
Irrigation up to 0.50 acres/home =0.60 acre-feet

2 homes x 1.2 acre-feet = 2.4 acre-feet

29-13350 and 29-13712



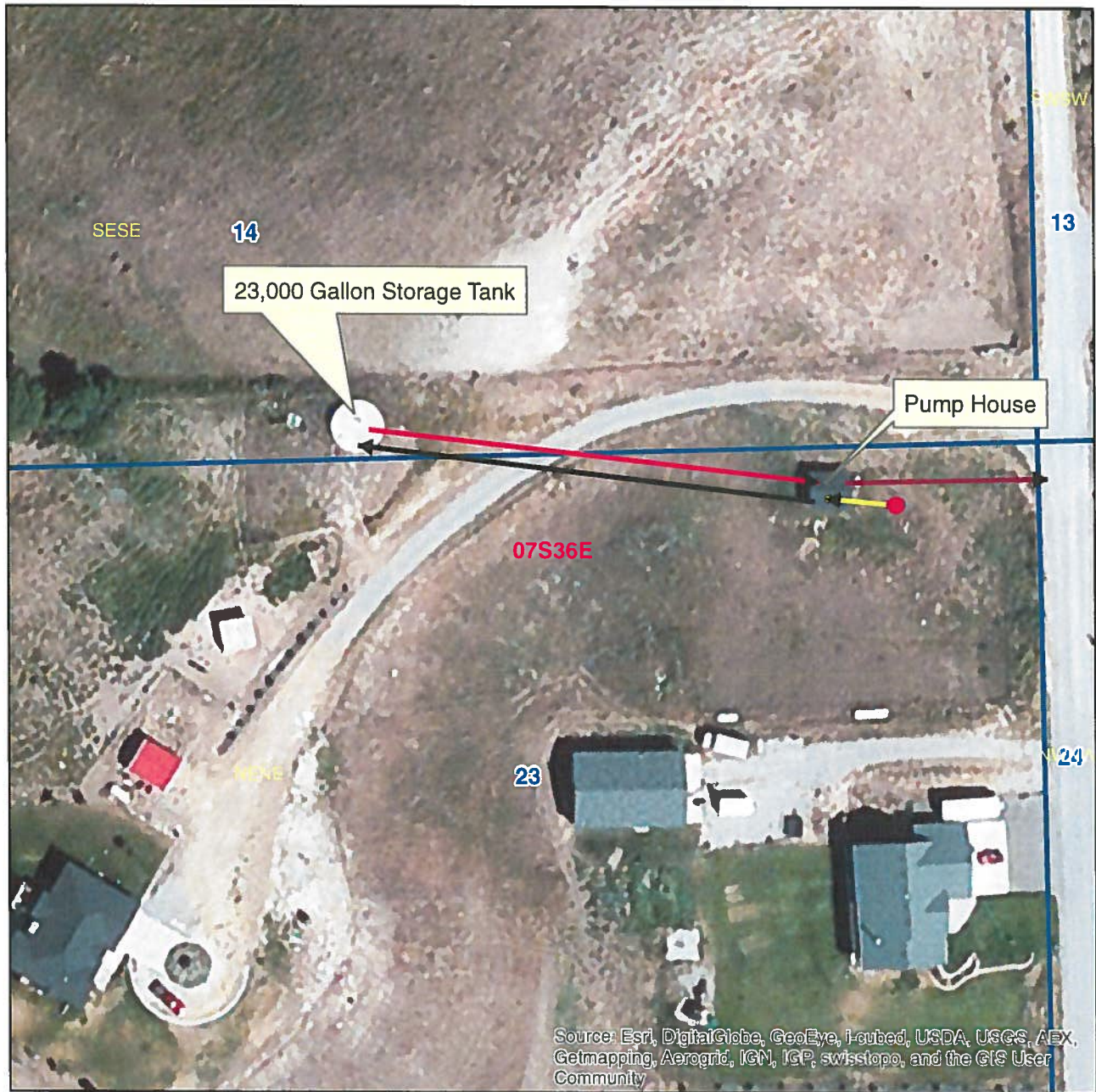
- Point of Diversion
- Domestic Place of Use
- Township/Range
- Sections
- QQ



0 415 830 1,660 Feet

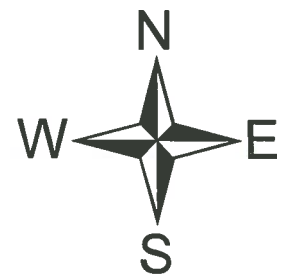
1 inch = 624 feet

29-13350 and 29-13712



- Point of Diversion
- ▭ Township/Range
- ▭ Sections
- ▭ QQ

- Pipeline**
- Well to pump house
 - Storage tank to pump house
 - Pump house to storage tank
 - Pump house to 22 homes



0 50 100 200 Feet

1 inch = 78 feet



