

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 29-13350

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 Inkome ID, 83245; John- 2794 Hannah Circle, Inkome ID 83245.
Relationship to Permit Holder: Jerrilee is the Secretary and John is the President of the Moose Mountain Home Owners Association.

3. SOURCETRIBUTARY

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 29-13712
2. Other water rights with the same point of diversion: 29-13712

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
07S	36E	23	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
			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

20 homes x 1.2 acre-feet = 24 acre-feet

G. NARRATIVE/REMARKS/COMMENTS

Permits 29-13350 (20 homes) and 29-13712(2 homes) cover the Moose Mountain Subdivision. A total of 22 lots are within the subdivision where 20 homes have been built. The two vacant lots have water connections. Moose Mountains' water delivery system includes a five hp pump which pumps ground water up to a 23,000 storage tank. From the Storage tank water is then delivered to the homes. Only one of the three ground water wells was developed. A flow meter is installed and in good working condition. Permit 29-13350 will be licensed for 0.09 cfs and for 20 homes. Permit 29-13712 will be licensed for 0.04 cfs and for two homes. Both permits will be limited to a total diversion rate of 0.09 cfs. The place of use for permits 29-13350 and 29-13712 will cover all 22 lots. Permit 29-13350 will be limited to 20 homes and permit 29-13712 will be limited to two homes.

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	0.090 CFS	24.00 AF
<u>Totals:</u>		0.090 CFS	24.00 AF

2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

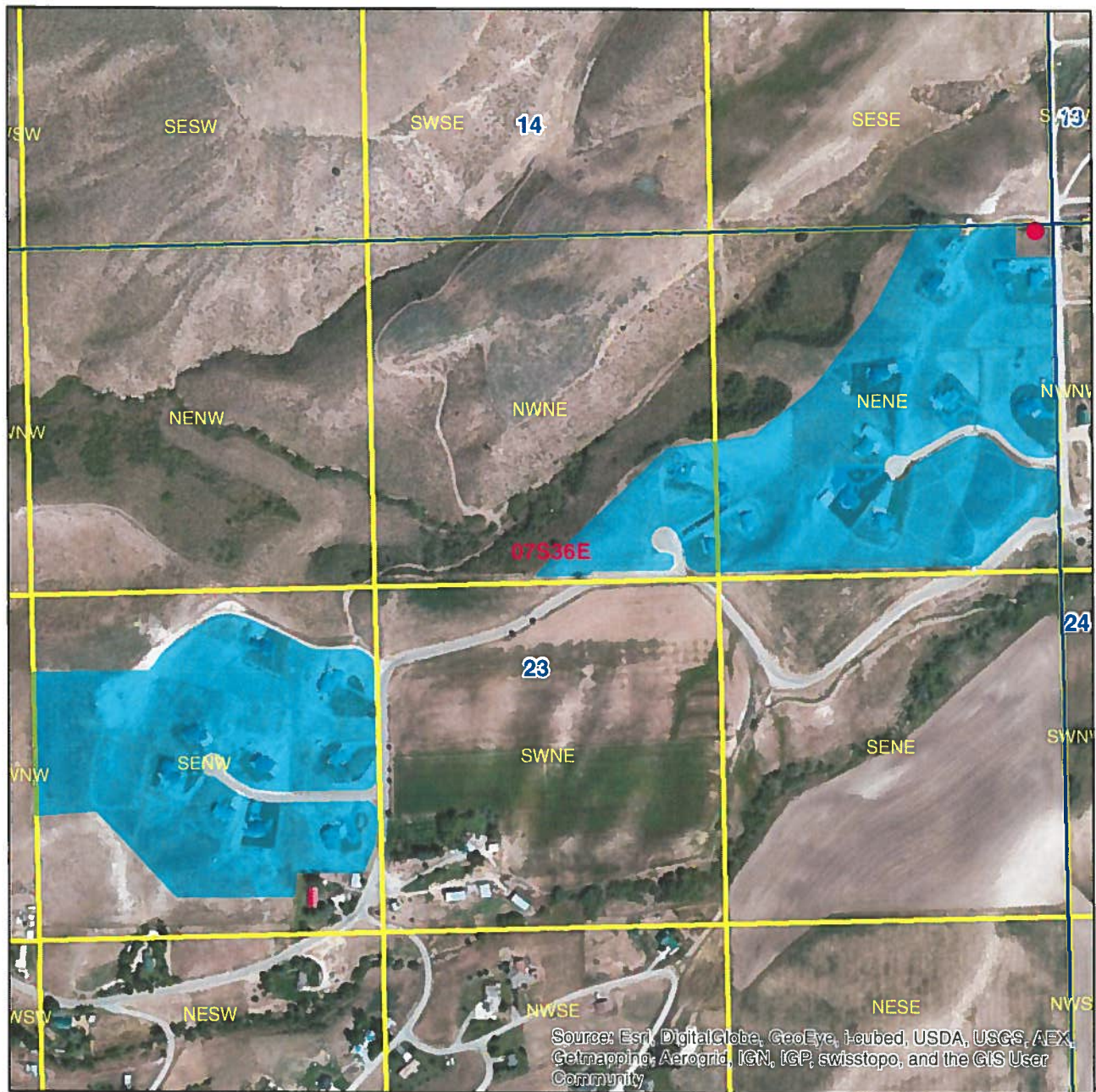
☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

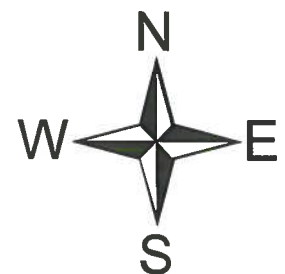
Field Examiner's Name Blake Jordan Date 6/16/2014

Reviewer _____ Date _____

29-13350 and 29-13712



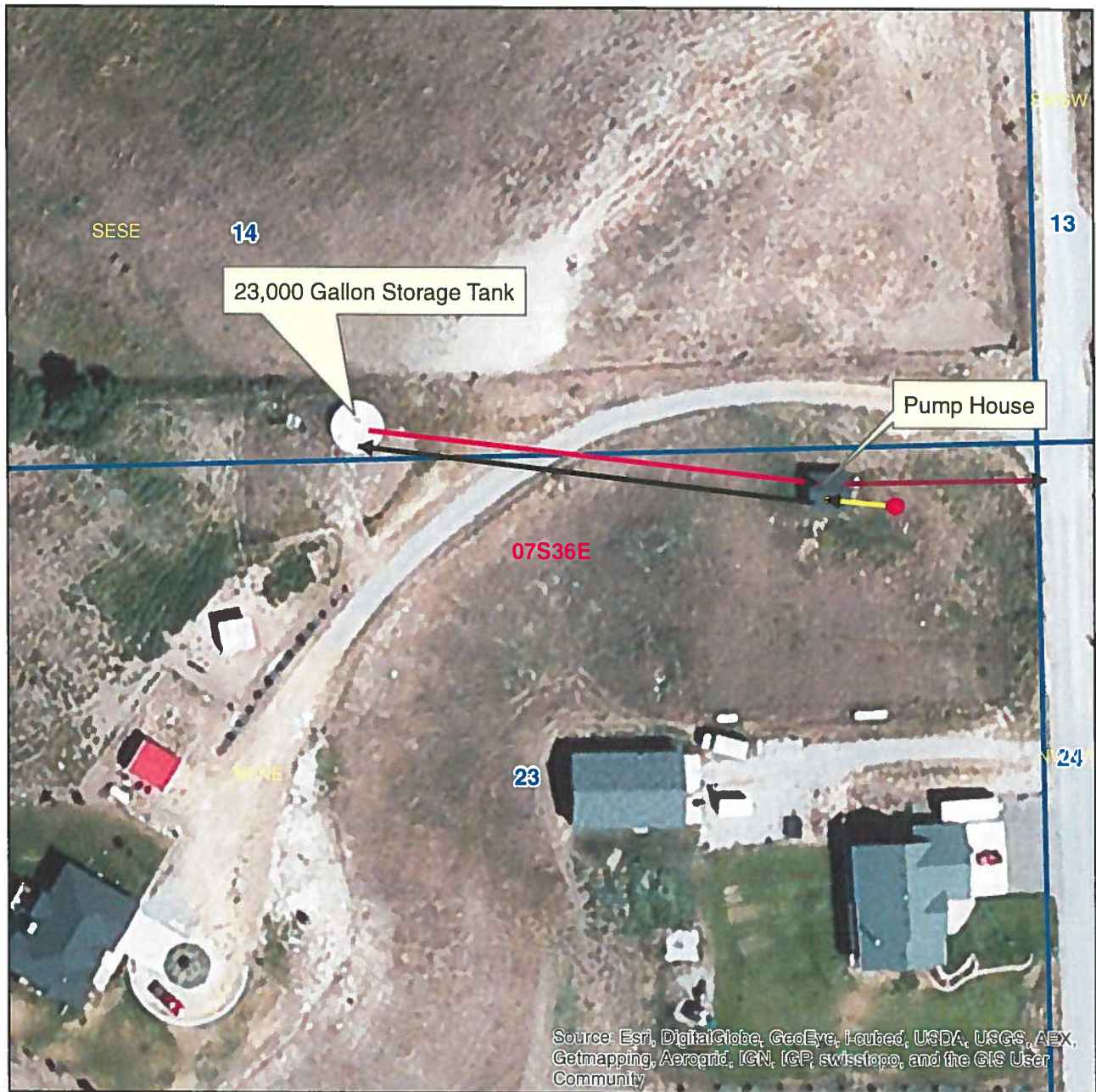
- Point of Diversion
- Domestic_Place_of_Use
- Township/Range
- Sections
- QQ



0 415 830 1,660 Feet

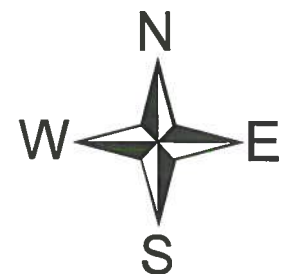
1 inch = 624 feet

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



