

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 21-7554

Exam Date: 7/2/2014

1. Current Owner: T DOUGLAS And NANCY J O BRIEN
444 HICKORY CIRCLE
IDAHO FALLS ID 83404
(208)522-0669

2. Accompanied by: None
Phone No:
Address:
Relationship to Permit Holder:

3. **SOURCE**
GROUND WATER

TRIBUTARY**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:**

GROUND WATER NE1/4SE1/4 Sec. 30, Twp 16N, Rge 43E, B.M. FREMONT County
GROUND WATER NW1/4SE1/4 Sec. 30, Twp 16N, Rge 43E, B.M. FREMONT County

Method of Determination: GPS, Site visit

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>	
16N 43E 30													X	X	X	X	

Method of Determination: Site visit

3. _____ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
 ___X___ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
 ___X___ Aerial Photo Attached (required for irrigation of 10+ acres).
 ___X___ 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>
Well #1	Unknown underground				
Well #2	Unknown underground				

*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>
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2. Measurements:

E. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method: Well log for well #2 indicated a yield of 140 gal/min divided by 448.83 $\frac{\text{gpm}}{\text{cfs}}$ = 0.31cfs**F. VOLUME CALCULATIONS**

1. Volume Calculations for Irrigation:

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

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

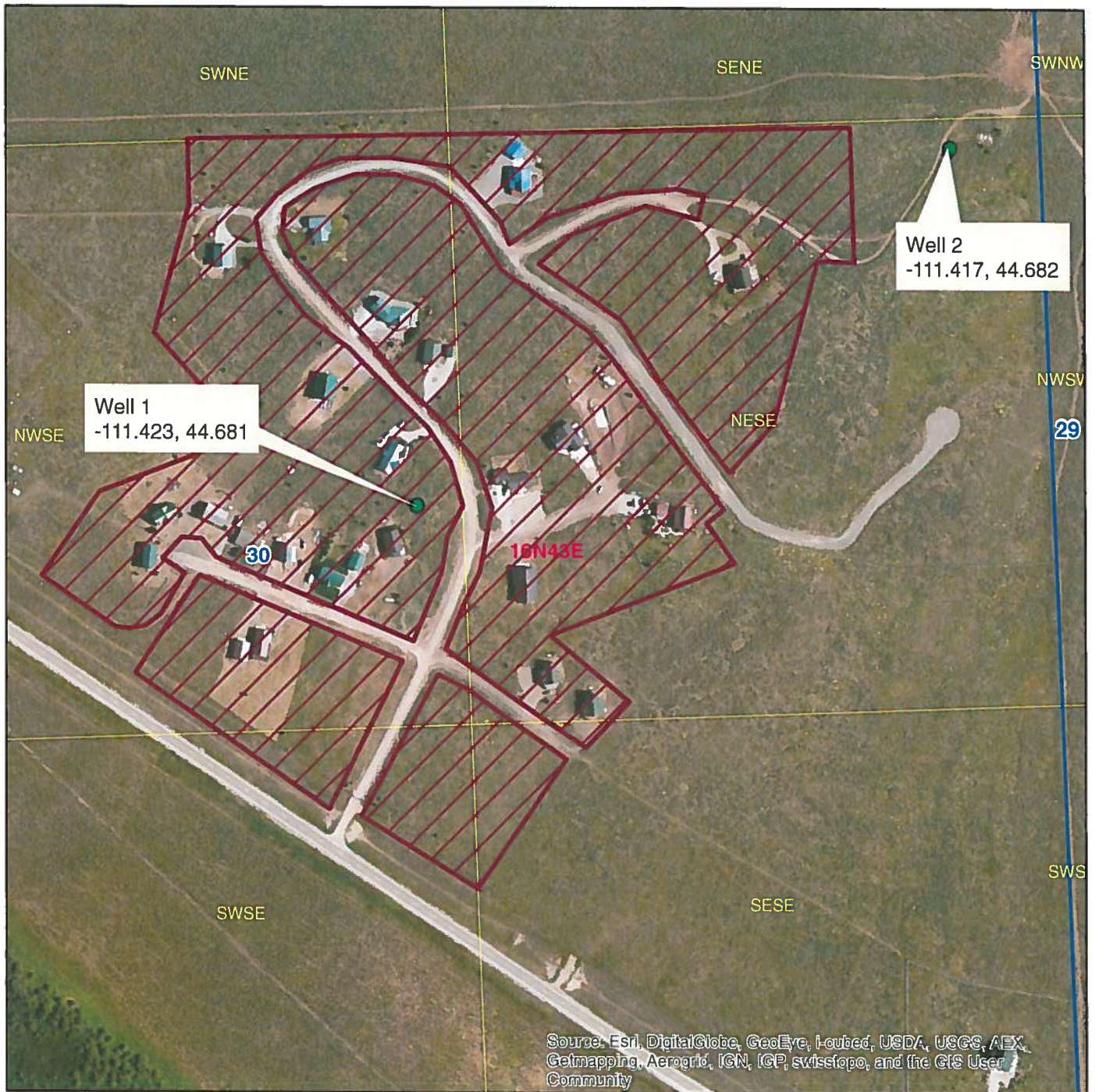
$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} =$$

2. Volume Calculations for Other Uses: There are 47 taxlots in the subdivision that have hydrants and lines have been run to connect the system. $47 \times 1.2 = 56.4 \text{ AF}$ **G. NARRATIVE/REMARKS/COMMENTS**Have conditions of permit approval been met? ☒ Yes ☐ No**H. RECOMMENDATIONS****1. Recommended Amounts**

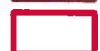
<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
DOMESTIC	01/01 to 12/31	0.33 CFS	56.40 AF
<u>Totals:</u>		0.33 CFS	56.40 AF

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 Kerrie Mathews Date 7.2.14

Reviewer _____ Date _____



Field Exam July 2, 2014 21-7554

-  Place of Use 21-7554
-  Township/Range
-  Sections
-  QQ



0 0.035 0.07 0.14 Miles

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Well head & one well pit (-111.417932, 44.68294) No tag on well



Three additional well pits at -111.417601, 44.682992



Subdivision, some homes have been built all infrastructure and hydrants are in place for identified taxlots.