

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
16S	43E	2									X	X	X	X			X		
16S	43E	10	X	X	X	X	X	X	X			X							
16S	43E	11		X L 1	X L 2		X	X		X L 2									

Method of Determination: Aerial Photography, tax lot data, submitted plans from The Reserve.

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>
D0043901	Goulds turbine	200	(North Well)		
D0045658	Grundfos Pump	60	(South Well)		

*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>
N/A						

2. Measurements: Measurements submitted by Kent Glen who is contracted to maintain the pumps. (See attachment). The North well has a maximum flow rate of 530 GPM and the South Well has a maximum flow rate of 242 GPM.

E. FLOW CALCULATIONS

☒ Additional Computation Sheets Attached

Measured Method:

Measure Flow = 530 gpm + 242 gpm = 772 gpm or 1.72 cfs.

Water right Permit 11-7491 is good for 1.22 cfs.

Calculated demand for 104 homes with ½ acre irrigation is 1.50 cfs.

Water right 11-7491 will be issued for 1.22 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: N/A

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

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

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

2. Volume Calculations for Other Uses: Domestic and domestic irrigation

$$(104 \text{ lots}) \times (1.2 \text{ af/lot}) = 124.8 \text{ AF}$$

G. NARRATIVE/REMARKS/COMMENTS

System consists of two wells that pump to a water tank. Water permit proposed 241 lots of which 104 lots were developed and connected to the water line. Water right shares the same POD as water right 11-7718. The two rights combined will be limited to the well capacities of 1.72 cfs.

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	1.220 CFS	124.80 AF
<u>Totals:</u>		1.220 CFS	124.80 AF

2. Recommended Amendments

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

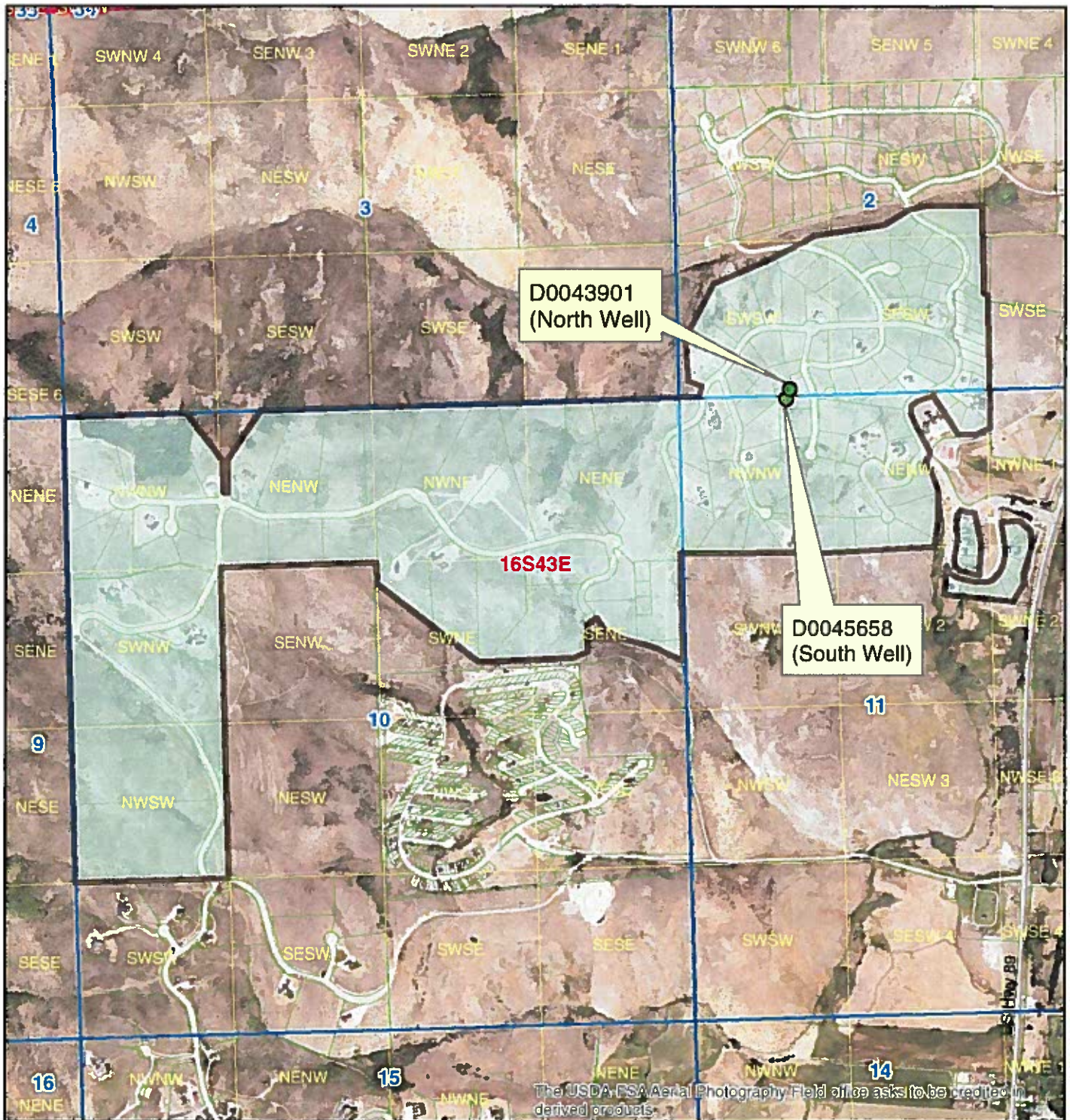
☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name Scott Bergendorf Date 2-3-2016

Reviewer Date

Water Right License 11-7491



0 900 1,800 3,600 Feet

- 11-7491 POU
- Township/Range
- Sections
- QQ
- Taxlots







Subject **Sams Hollow Water/the reserve**
From Bergendorf, Scott <Scott.Bergendorf@idwr.idaho.gov>
To Info@glennselectric.com <Info@glennselectric.com>
Date 01/27/2016 16:33



Hey Kent,

Here's reminder about the information on the two wells I need for the Reserve. Could you send that to me as soon as possible?

Thanks,

Scott R. Bergendorf
Senior Water Resource Agent
Eastern Regional Office
Idaho Department of Water Resources
Phone (208) 525-7161
scott.bergendorf@idwr.idaho.gov

North Well

9WAHC-7 Goulds turbine 200HP
pumping 530 GPM @ 850 TDH
pump set 402 Ft

South Well

230S600-19 Grundfos Pump 60 H.P.
Pumping 242 GPM @ 830 TDH
pump set 420 Ft
S.W.L on 10/2007 was 273 Ft

Thanks, Kent