

STATE OF IDAHO  
DEPARTMENT OF WATER RESOURCES  
**BENEFICIAL USE FIELD REPORT**

**A. GENERAL INFORMATION**

Permit No: 95-17064

Exam Date: 6/13/2017

1. Current Owner:  
ANGELA ZIMMERMAN PO BOX 351 ST MARIES ID 83861 2085820709  
And/Or  
WAYNE ZIMMERMAN PO BOX 351 ST. MARIES ID 83861 2085820709

2. Accompanied by: Wayne Zimmerman

3. **SOURCE:**  
GROUND WATER

**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 NW¼SW¼ Sec. 26, Twp 46N, Rge 03W, B.M. BENEWAH County

Method of Determination: Maps and GPS. POD location at 47° 18.164, 116° 41.281 (D0069329 given IDWR tag A0015428)

2.

**PLACE OF USE:** DOMESTIC

| Twp | Rge | Sec | NE |    |    |    | NW |    |    |    | SW |    |    |    | SE |    |    |    | Totals |
|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------|
|     |     |     | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE |        |
| 46N | 03W | 26  |    |    |    |    |    |    |    |    |    | X  |    |    |    |    |    |    |        |

Method of Determination: Google Earth and Arc Map.

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 |
|---------------------------|------------|----|------------------|-----------|-----------------------------------|
| D0069329                  | UNKNOWN    | 1  |                  |           |                                   |
|                           |            |    |                  |           |                                   |
|                           |            |    |                  |           |                                   |
|                           |            |    |                  |           |                                   |

\*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 |
|-----------------------|------|------|-----------|------------|------|-------------|
| 5 GALLON BUCKET       |      |      |           |            |      |             |
|                       |      |      |           |            |      |             |

2. Measurements: 5 GALLON BUCKET TEST PERFORMED IN 18 SECONDS.

$$5 \text{ GAL} / 18 \text{ SEC} = .27777 \times 60 \text{ SEC} = 16.6 \text{ GPM OR } 0.04 \text{ CFS}$$

**E. FLOW CALCULATIONS**

Measured Method:

\_\_\_\_\_ Additional Computation Sheets Attached

**F. VOLUME CALCULATIONS**

## 1. Volume Calculations for Irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$

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

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} =$$

2. Volume Calculations for Other Uses: DOMESTIC USE FOR 1 HOME WITH UP TO ½ ACRE OF IRRIGATION = 1.2 AF

**G. NARRATIVE/REMARKS/COMMENTS**

Field exam with Wayne Zimmerman a well with 1hp pump. Well D0069329 was given IDWR tag A0015428. 5 gallon bucket test was performed and filled in 18 seconds which is equal to 16.6gpm or 0.04cfs. Mr. Zimmerman had the well drilled in 2015 and frost free and stub-in was put in place that year. House was supposed to be built during 2016 but fell behind schedule. Home was in the process of being built during exam and will be given credit for domestic use for 1 home with irrigation up to ½ acre. No overlap concerns with license.

Have conditions of permit approval been met?   X   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       | 0.04 CFS              | 1.2 AF               |
|                       | <u>Totals:</u>       | 0.040 CFS             | 1.20 AF              |

## 2. Recommended Amendments

       Change P.D. as reflected above        Add P.D. as reflected above   X   None

       Change P.U. as reflected above        Add P.U. as reflected above   X   None

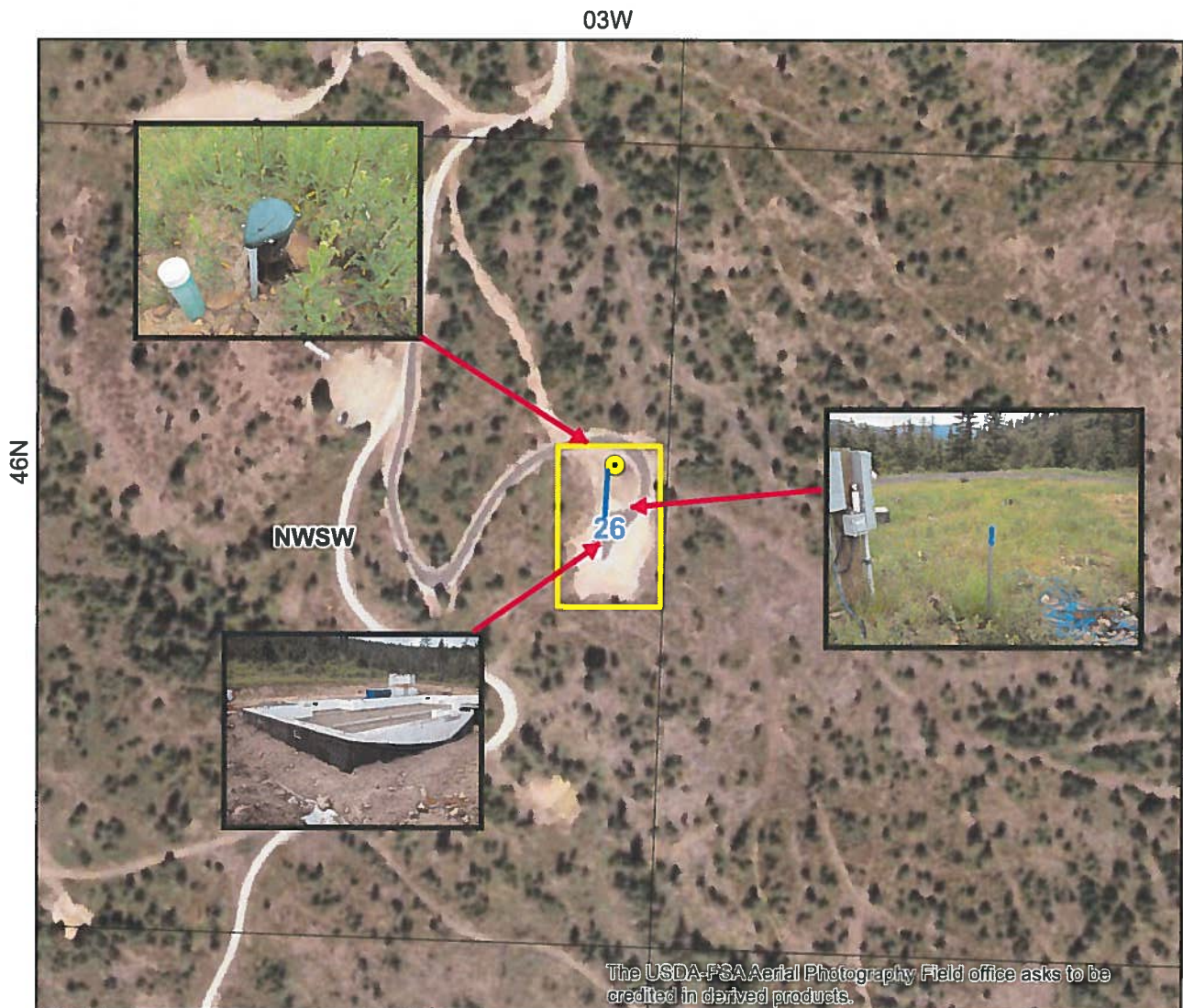
**I. AUTHENTICATION**

Field Examiner's Name Adam Finkert Date 6-14-2017

Reviewer Morgan Case Date 6/20/2017

State of Idaho  
Department of Water Resources  
**Attachment to Field Exam**  
95-17064

DOMESTIC / SYSTEM DIAGRAM



- Point of Diversion
- Place Of Use Boundary
- Townships
- PLS Sections

0 0.035 0.07 0.14 Miles



IDAHO DEPARTMENT OF WATER RESOURCES  
WELL DRILLER'S REPORT

## 1. WELL TAG NO. D 68329

Drilling Permit No. 876048  
Water right or injection well # \_\_\_\_\_

## 2. OWNER:

Name Wayne H Zimmerman  
Address 311 N 21ST. ST  
City St. Maries State ID Zip 83861

## 3. WELL LOCATION:

Twp. 48 North ☒ or South ☐ Rge. 3 East ☐ or West ☒  
Sec. 28 1/4 NW 1/4 SW 1/4Gov't Lot \_\_\_\_\_ County BenewahLat. 47 18.168N (Deg. and Decimal minutes)Long. 116 41.281W (Deg. and Decimal minutes)Address of Well Site 2863 Echo Springs RdCity St. Maries

Lot \_\_\_\_\_ Blk. \_\_\_\_\_ Sub. Name \_\_\_\_\_

## 4. USE:

☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation ☐ Thermal ☐ Injection  
☐ Other \_\_\_\_\_

## 5. TYPE OF WORK:

☒ New well ☐ Replacement well ☐ Modify existing well  
☐ Abandonment ☐ Other \_\_\_\_\_

## 6. DRILL METHOD:

☒ Air Rotary ☐ Mud Rotary ☐ Cable ☐ Other \_\_\_\_\_

## 7. SEALING PROCEDURES:

| Seal material | From (ft) | To (ft) | Quantity (lbs or ft) | Placement notes/procedure |
|---------------|-----------|---------|----------------------|---------------------------|
| Bentonite     | 0         | -38     | 976lbs               | pour around pipe          |

## 8. CASING/LINER:

| Outer diameter (inches) | From (ft) | To (ft) | Gauge/Schedule | Material | Casing Liner                        | Threaded                            | Welded                              |
|-------------------------|-----------|---------|----------------|----------|-------------------------------------|-------------------------------------|-------------------------------------|
| 6"                      | +2        | -58R    | 2.50           | Steel    | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 4"                      | -17       | -285    | Sch 40         | PVC      | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) -58R georock for shoe

## 9. PERFORATIONS/SCREENS:

Perforations ☒ Y ☐ N Method skill sawManufactured screen ☐ Y ☐ N Type \_\_\_\_\_

Method of installation \_\_\_\_\_

| From (ft) | To (ft) | Slot size | Number(s) | Diameter (inches) | Material | Gauge or Schedule |
|-----------|---------|-----------|-----------|-------------------|----------|-------------------|
| -185      | -285    | 1/4x5     | 150       | 4"                | PVC      | Sch 40            |

Length of Headpipe \_\_\_\_\_ Length of Tailpipe \_\_\_\_\_

Packer ☐ Y ☒ N Type \_\_\_\_\_

## 10. FILTER PACK:

| Filter Material | From (ft) | To (ft) | Quantity (lbs or ft) | Placement method |
|-----------------|-----------|---------|----------------------|------------------|
| None            |           |         |                      |                  |

## 11. FLOWING ARTESIAN:

Flowing Artesian? ☐ Y ☒ N Artesian Pressure (PSIG) \_\_\_\_\_  
Describe control device Well Cap

## 12. STATIC WATER LEVEL and WELL TESTS:

Depth first water encountered (ft) 175 Ft Static water level (ft) 105 FtWater temp. (°F) Cold Bottom hole temp. (°F) \_\_\_\_\_Describe access port Well Cap

## Well test:

| Drawdown (feet) | Discharge or yield (gpm) | Test duration (minutes) | Pump                     | Boiler                   | Air                                 | Flowing artesian         |
|-----------------|--------------------------|-------------------------|--------------------------|--------------------------|-------------------------------------|--------------------------|
| 12-15 gpm       | at 285R for              | 1.5 hrs                 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Water quality test or comment: cold and slightly cloudy/ no odor

## 13. LITHOLOGIC LOG and/or repairs or abandonment:

| From (ft) | From (ft) | To (ft) | Remarks, lithology or description of repairs or abandonment, water temp. | Water |
|-----------|-----------|---------|--------------------------------------------------------------------------|-------|
| 10"       | 0         | 48      | red-clay w/broken basalt                                                 | Y     |
|           | 48        | 85      | shale-tan                                                                | X     |
|           | 85        | 140     | shale-grey w/basalt med hard                                             | X     |
|           | 140       | 185     | basalt-med hard w/ water 8-10 gpm                                        | X     |
|           | 185       | 208     | shale-med w/water 12 gpm total                                           | X     |
|           | 208       | 250     | basalt w/shale med hard                                                  | X     |
|           | 250       | 282     | basalt hard w/water 12-15 gpm total at 285 ft                            | X     |

RECEIVED

JUL 31 2015

IDWR / NORTH

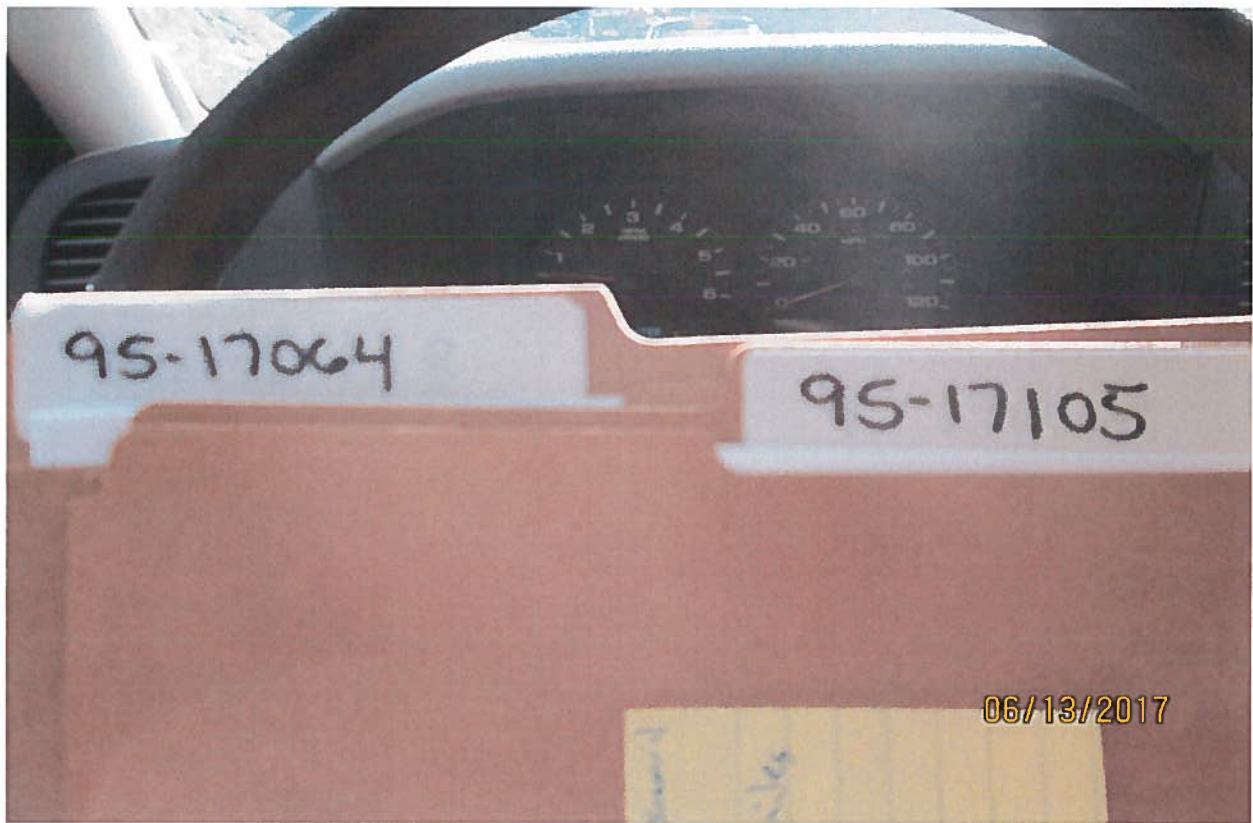
Completed Depth (Measurable): 285 FtDate Started: 7-22-15Date Completed: 7-23-15

## 14. DRILLER'S CERTIFICATION:

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Interstate Drilling LLC Co. No. 689Principal Driller Ryan Suchacki Date 7-28-15Driller [Signature] Date 7-28-15Operator II [Signature] Date \_\_\_\_\_Operator I [Signature] Date 7-28-15

\* Signature of Principal Driller and rig operator are required.



Well D0069329 given IDWR tag A0015428.



D0069329 tag.



1hp pump in well.



5 gallon bucket test performed because system did not have any pressure tanks. 5 gallons filled in 18 seconds which is equal to 16.6gpm or 0.04cfs.



Home being built.