



Method of Determination: Aerial photography, Bing Maps and Arc Map Data.

**Diversion**

**D. FLOW MEASUREMENTS**

Flow measurement not required as per IDAPA RULE 37.03.02.035.01.r.iii.

**E. FLOW CALCULATIONS**

The diversion rate for this domestic right is limited to 0.11 cfs or 49.4 gpm.

**F. VOLUME CALCULATIONS**

The annual volume for this domestic right is limited to = 7.2 AF. 6 HOMES X 1.2 AF = 7.2 AF

**G. NARRATIVE/REMARKS/COMMENTS**

IN OFFICE EXAM. MEASUREMENT OF DIVERSION RATE COVERED UNDER IDAPA RULES 37.03.02.035.01.r. THEORETICAL PUMPING EQUATION ESTIMATES FLOW AT 0.17 CFS. PER CONVERSATION WITH SUSAN WALKER ON 3/23/2015, WILL BE CHANGING TO DOMESTIC FOR 6 HOMES WITH IRRIGATION UP TO 1/2 ACRE PER HOME. IRRIGATION WILL BE REMOVED.

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       | 0.110 CFS             | 7.20 AF              |
| <u>Totals:</u>        |                      | 0.110 CFS             | 7.20 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**

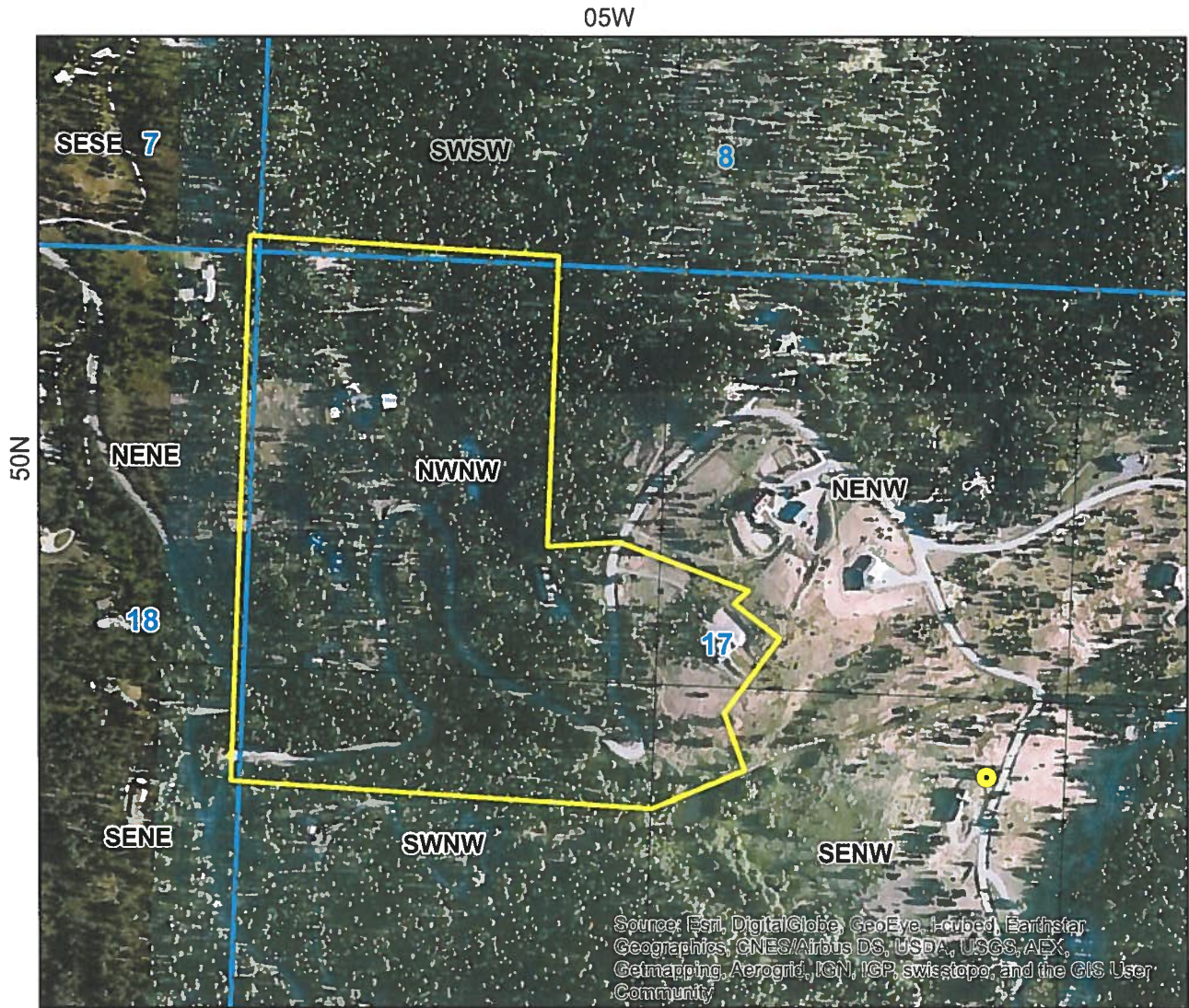
Field Examiner's Name Adam Frederick Date 3/24/2015

Reviewer Eric J. [Signature] Date 3/30/2015

**PUMP  
EQUATIONS  
WATER RIGHT  
No.**

| <div> <div>PUMP EQUATIONS</div> <div>WATER RIGHT</div> <div>No.</div> <div>95-11392</div> </div> |              |    |           |                         |                      |                        |
|--------------------------------------------------------------------------------------------------|--------------|----|-----------|-------------------------|----------------------|------------------------|
|                                                                                                  |              | HP | H in feet | Efficiency as a decimal | Pumping lift in feet | System pressure in PSI |
| Q =                                                                                              | HP*8.8*Eff/H | 5  | 207.517   | 0.8                     | 115                  | 40                     |
| <div> <div>Q =</div> <div>0.170 cfs</div> <div>76.3 gpm</div> </div>                             |              |    |           |                         |                      |                        |

State of Idaho  
Department of Water Resources  
**Water Right License**  
95-11392



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

0 0.05 0.1 0.2 Miles



## TAXLOT OWNERSHIP FOR WATER RIGHT 95-11392

2014 application map - ArcMap

File Edit View Bookmarks Insert Selection Geoprocessing Customize Windows Help

1:2472

Drawing

Process POU POD Wells SC WMIS Dam Safety UIC WRA WSB Hydrologic Enforcement Calc Acres

Identify

Identify from: Taxlots

Taxlots

- WALKER, IRVEN S
- JAMES ELLERY WOOD AND SANDRA JEAN WC
- 17287 WEST SUMMERFIELD ROADTRUST
- BERGER, PATRICK
- DIAMOND BAR HOLDINGS
- ANTON, WADE S

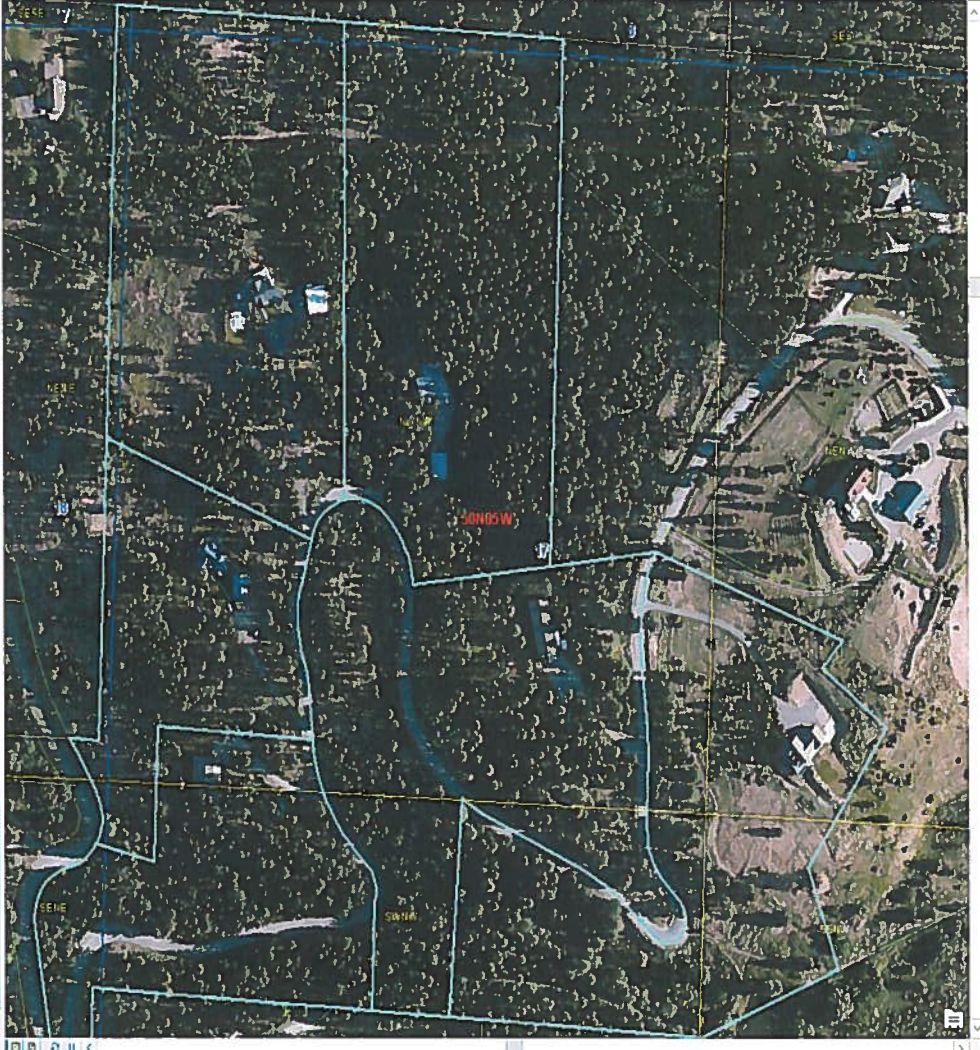
Location: 2,274,802.945 1,835,658.374 Met

| Field      | Value                            |
|------------|----------------------------------|
| ID         | 4201787                          |
| UPDATED    | 5/19/2014                        |
| PIN        | SONOSW173800                     |
| OWNER      | ANTON, WADE S                    |
| ADDRESS1   | 17427 W SUMMERFIELD RD           |
| ADDRESS2   |                                  |
| CITY       | POST FALLS                       |
| STATE      | ID                               |
| ZIPCODE    | 83854                            |
| P_ADDRESS  | 17427 W SUMMERFIELD RD           |
| P_ZIPCODE  |                                  |
| SUB_NAME   |                                  |
| LEGAL1     | TAX #15795 (PT IN SW-NW SEC 1... |
| LEGAL2     | 534- IMP RES RURAL TRACT         |
| LEGAL3     |                                  |
| LEGAL4     |                                  |
| LEGAL5     |                                  |
| LEGAL6     | <null>                           |
| ACRES      | 6.7                              |
| COUNTY     | Kootenai                         |
| SOURCE     |                                  |
| YEAR_BUILT | 1996                             |

Identified 6 features

Table Of Contents Identify

Number of features selected: 6



RECEIVED

MAR 24 1993

STATE OF IDAHO

# DEPARTMENT OF WATER RESOURCES

**USE TYPEWRITER OR  
BALLPOINT PEN**

## WELL DRILLER'S REPORT

**WELL DRILLER'S REPORT**  
 Department of Water Resources  
 State law requires that this report be filed with the Director, Department of Water Resources  
 within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name ROSS WELBURN

Address 12345 GEM SHORES LN, HAYDEN LK, ID

Drilling Permit No. 95-93-N-4-000

Water Right Permit No. \_\_\_\_\_

2. NATURE OF WORK

☒ New well
☐ Deepened
☐ Replacement
☐ Well diameter increase
☐ Modification
☐ Abandoned (describe abandonment or modification procedures such as liners, screen, materials, plug depths, etc. in lithologic log, section 9.)

3. PROPOSED USE

☒ Domestic
☐ Irrigation
☐ Monitor
☐ Industrial
☐ Stock
☐ Waste Disposal or Injection
☐ Other \_\_\_\_\_ (specify type)

4. METHOD DRILLED

☒ Rotary
☒ Air
☐ Auger
☐ Reverse rotary
☐ Cable
☐ Mud
☐ Other \_\_\_\_\_ (backhoe, hydraulic, etc.)

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other \_\_\_\_\_

Thickness 250 inches 6 inches

Diameter 4 inches 5 feet 18 feet

From 2 feet 125 feet

To \_\_\_\_\_ feet

Was casing drive shoe used? ☒ Yes ☐ No

Was a packer or seal used? ☐ Yes ☒ No

Perforated? ☒ Yes ☐ No Sk111 Saw

How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun

Size of perforation? \_\_\_\_\_ inches by \_\_\_\_\_ inches

Number 160 perforations 85 feet 125 feet

From \_\_\_\_\_ feet

To \_\_\_\_\_ feet

Well screen installed? ☐ Yes ☒ No

Manufacturer \_\_\_\_\_ Type \_\_\_\_\_

Top Packer or Headpipe \_\_\_\_\_

Bottom of Tailpipe \_\_\_\_\_

Diameter \_\_\_\_\_ Slot size \_\_\_\_\_ Set from \_\_\_\_\_ feet to \_\_\_\_\_ feet

Diameter \_\_\_\_\_ Slot size \_\_\_\_\_ Set from \_\_\_\_\_ feet to \_\_\_\_\_ feet

Gravel packed? ☐ Yes ☒ No ☐ Size of gravel \_\_\_\_\_

Placed from \_\_\_\_\_ feet to \_\_\_\_\_ feet

Surface seal depth 18 Material used in seal: ☐ Cement grout

☐ Bentonite ☐ Puddling clay ☐ \_\_\_\_\_

Sealing procedure used: ☐ Slurry pit

☐ Temp. surface casing ☒ Overbore to seal depth

Method of joining casing: ☐ Threaded ☒ Welded

☐ Solvent Weld ☐ Cemented between strata

Describe access port \_\_\_\_\_

6. LOCATION OF WELL

Sketch map location must agree with written location.

Subdivision Name Summerfield Rd

Lot No. 20 Block No. \_\_\_\_\_

County Kootenai

Address of Well Site \_\_\_\_\_

(give at least name of road)

SE NW

T. 50 N ☒ or S ☐ E

R. 17 S E ☐ or W ☒

7. WATER LEVEL

Static water level 25 feet below land surface.

Flowing? ☐ Yes ☒ No G.P.M. flow \_\_\_\_\_

Artesian closed-in pressure \_\_\_\_\_ p.s.i.

Controlled by: ☐ Valve ☐ Cap ☐ Plug

Temperature \_\_\_\_\_ °F. Quality \_\_\_\_\_

Describe artesian or temperature zones below.

8. WELL TEST DATA

☐ Pump ☐ Baller ☒ Air ☐ Other \_\_\_\_\_

Discharge G.P.M. 30gpm

Pumping Level 123

Hours Pumped 1

9. LITHOLOGIC LOG

104523

| Bore Diam. | Depth From | To  | Material                    | Water Yes | No |
|------------|------------|-----|-----------------------------|-----------|----|
| 10         | 0          | 11  | Topsoil, Clay               |           | x  |
| 10         | 11         | 18  | Granite, Brn/Wht, Decomp    |           | x  |
| 6          | 18         | 43  | Granite, Brn/Wht, Decomp    |           | x  |
| 6          | 43         | 52  | Granite, Blk/Wht, Med. Hard |           | x  |
| 6          | 52         | 55  | Granite, Gravel Lense       |           |    |
|            |            |     | (Water @ 10+gpm)            |           | x  |
| 6          | 55         | 61  | Granite, Blk/Wht, XMed, Hrd |           | x  |
| 6          | 61         | 63  | Granite, Brn/Wht Fractured  |           | x  |
|            |            |     | (Water @ 15gpm)             |           |    |
| 6          | 63         | 97  | Granite, Blk/Wht, Med. Hard |           | x  |
| 6          | 97         | 104 | Granite, Brn Wht, Fractures |           | x  |
|            |            |     | (Water @ 5gpm)              |           |    |
| 6          | 104        | 125 | Granite, Blk/Wht, Med Hrd   |           | x  |

10.

Work started 1/26/93 finished 1/26/93

11. DRILLER'S CERTIFICATION

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

Firm Name H2O Well Services Firm No. 448

Address 520 W Hayden Date 1-26-93

Signed by Drilling Supervisor John Schubert

and Anthony Kart

(Operator) (If different than the Drilling Supervisor)

**USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT**

Permit # 1534137 Well # 273655

**WELL SERVICE, INC.**

582 W. Hayden Avenue  
Hayden Lake, Idaho 83835  
(208) 772-4004

**Invoice**

Invoice No.: 3207  
Invoice Date: 03/08/93  
Page: 1

KT1334  
WELBURN, ROSS  
12345 GEM SHORES  
HAYDEN LAKE, ID 83835

PUMP INSTALL #12

TERMS: DUE ON RECEIPT

| Quantity | Item Number        | Item Description       | Unit Price |  | Extension | T<br>X |
|----------|--------------------|------------------------|------------|--|-----------|--------|
| 1.00     | 35LD50412          | GOULDS 5HP 35 GPM      | 2061.15    |  | 2061.15   | N      |
| 1.00     | SUB SURANCE 2-5    | GOULDS 5YR WAR 2-5 HP  | 42.00      |  | 42.00     | N      |
|          | DATE CODE 2-92     | SN# AA24696            |            |  |           |        |
|          | MOTOR M-91 06-3235 |                        |            |  |           |        |
| 105.00   | GP 1.4             | GALV. 1 1/2"           | 2.18       |  | 228.90    | N      |
| 1.00     | NP2.X6.            | NIPPLE 2x6             | 11.87      |  | 11.87     | N      |
| 1.00     | BR2.X1.4           | BELL REDUCER 2x11/2    | 6.57       |  | 6.57      | N      |
| 1.00     | BR1.4X1.2          | BELL REDUCER 11/2x11/4 | 4.57       |  | 4.57      | N      |
| 1.00     | SPLICE KIT-4       | 4 WIRE SPLICE KIT      | 7.04       |  | 7.04      | N      |
| 1.00     | WC-150             | 1-1/2" WELL CHECK      | 22.66      |  | 22.66     | N      |
| 115.00   | SW 12-4            | SUB WIRE 12-3 W/GR     | 0.43       |  | 49.45     | N      |
| 1.50     | TAPE               | PLYMOUTH TAPE          | 4.73       |  | 7.10      | N      |
|          | ON LOAN WELL SEAL  |                        |            |  |           |        |
|          | PARTIAL BILLING    |                        |            |  |           |        |
| 4.00     | 01                 | SERV. TRUCK & OPER.    | 35.00      |  | 140.00    | N      |
| 2.50     | 02                 | PUMP HOIST & OPER.     | 55.00      |  | 137.50    | N      |

Remit Payment To:

H<sub>2</sub>O WELL SERVICE, INC.  
582 W. Hayden Avenue  
Hayden Lake, Idaho 83835  
(208) 772-4004

THANK YOU!

Sub Total: 2718.81  
Net Total: 2718.81  
Sales Tax:  
Invoice Total: 2718.81  
Received:  
Balance: 2718.81