

## MEMORANDUM

**Date:** December 03, 2012  
**To:** Water Right File 34-7247  
**From:** Craig Saxton  
**Re:** Overlap with 37-7430

---

Permit 34-7430 belongs to Timberdome Canal Co, and overlaps the POU for this right. However, the permit only authorized diversion under "flood" conditions. Permit 34-7430 is conditioned to limit its use to 0.02 cfs per acre when used in conjunction with other rights. Due to the nature of permit 34-7430 and the condition limiting its use to 1 inch per acre, I think we can move forward to issue a license for 34-7247 despite that 34-7430 has not been fully defined.

**Date: 11/20/2012**

| <u>WRs</u> | <u>Source</u>                                | <u>Sections</u> | <u>CFS</u>  | <u>Total Acres</u> | <u>Limited Acres</u> | <u>Combined Limits</u>                                                                                                                                                                 | <u>POD</u>   | <u>Deliver System</u>     | <u>Volume</u>  |
|------------|----------------------------------------------|-----------------|-------------|--------------------|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------------------------|----------------|
| 34-692D    | Big Lost River                               | 2, 3, 34, 35    | 1.2         | 828                | 60                   | 945 acres: 34-469A, 34-2428, 34-7096A, 34-7223, 34-12416                                                                                                                               | Sec 4 NWSESE | Timber Dome Canals        |                |
| 34-496A    | Big Lost River                               | 2, 3, 34, 35    | 1.2         | 828                | 60                   | 945 acres: 34-692D, 34-2428, 34-7096A, 34-7223, 34-12416                                                                                                                               | Sec 4 NWSESE | Timber Dome Canals        |                |
| 34-7035B   | Groundwater                                  | 2, 3, 34, 35    | 4.98        | 828                | 369.5                | 945 acres: 34-469A, 34-692D, 34-2428, 34-12416<br>combined 34-2428, 34-7035B, 34-12416: 8.83 cfs, 3751.6 af                                                                            | Sec 5 SESE   | Timber Dome Canals        | 1,293.30       |
| 34-12416   | Groundwater                                  | 2,3,5,34,35     | 3.85        | 945                | 365 enlrgmt.         | 945 acres: 34-496A, 34-692D, 34-2428, 34-7096A, 34-7097A, 34-7223<br><b>combined limit w/34-2428: 3.85 cfs</b><br>limit w/34-2428, 34-7096A, 34-7097A, 34-7223 of 8.85 cfs & 3229.9 af | Sec 5 SENE   | Timber Dome Canals        | <b>3,229.9</b> |
| 34-2428    | Groundwater                                  | 2,3,5,34,35     | 3.85        | 945                | 193                  | 945 acres: 34-496A, 34-692D, 34-2428, 34-7035B, 34-12416<br><b>combined w/34-12416, limited to 3.85 cfs</b><br>limit w/34-2428, 34-7035B, 34-12416 of 8.83 cfs & 3229.9 af             | Sec 5 SENE   | Timber Dome Canals        |                |
| 34-7247    | Groundwater                                  | 2,3,5,34,35     | 4.49        | 945                | <b>168.4</b>         |                                                                                                                                                                                        | Sec 5 SENE   | <b>Timber Dome Canals</b> |                |
|            |                                              | <b>Total:</b>   | <b>15.7</b> |                    |                      |                                                                                                                                                                                        |              |                           |                |
|            |                                              |                 |             |                    |                      | 945 acres X 0.02 cfs = 18.9 cfs (would be required)                                                                                                                                    |              |                           |                |
|            |                                              |                 |             |                    |                      | 945 acres PPU X 3.5 headgate = 3307.5 afa (recommend combined limit for 34-2428, 34-7035B, 34-12416, & 34-7247)                                                                        |              |                           |                |
|            |                                              |                 |             |                    |                      | WRs 34-2428, 34-12416, have combined volume limit of 3229.9 afa                                                                                                                        |              |                           |                |
|            | diverted through the same point of diversion |                 |             |                    |                      |                                                                                                                                                                                        |              |                           |                |
|            | diverted through the same point of diversion |                 |             |                    |                      |                                                                                                                                                                                        |              |                           |                |

\* Adding 34-7247, does not increase # acres in the PPU, but the water supply from this right is essential to make the water supply for the PPU be adequate with the delivery system currently in place.

IDAHO DEPARTMENT OF WATER RESOURCES  
WELL DRILLER'S REPORT

34

1. WELL TAG NO. D D0058844

Drilling Permit No. \_\_\_\_\_

Water right or injection well # 34-2428, 34-7247, 34-124162. OWNER: Mitchell SorensenName Mitchell SorensenAddress 3871 West 2500 NorthCity Moore State ID Zip 83255

## 3. WELL LOCATION:

Twp. 04 North ☒ or South ☐ Rge. 26 East ☒ or West ☐Sec. 05 NW 1/4 SE 1/4 NE 1/4Gov't Lot \_\_\_\_\_ County Butte

Lat. \_\_\_\_\_ (Deg. and Decimal minutes)

Long. \_\_\_\_\_ (Deg. and Decimal minutes)

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

(Give at least name of road + Distance to Road or Landmark) City Moore

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 <sup>3</sup> ) | Placement method/procedure |
|---------------|-----------|---------|------------------------------------|----------------------------|
| Bentonite     | 0         | 60      | 14850 lbs                          | overbore                   |

## 8. CASING/LINER:

| Diameter (nominal) | From (ft) | To (ft) | Gauge/Schedule | Material | Casing                              | Liner                    | Threaded                 | Welded                              |
|--------------------|-----------|---------|----------------|----------|-------------------------------------|--------------------------|--------------------------|-------------------------------------|
| 20"                | +2        | 115     | 9.250          | Steel    | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|                    |           |         |                |          | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
|                    |           |         |                |          | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
|                    |           |         |                |          | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 115' 9"

## 9. PERFORATIONS/SCREENS:

Perforations ☒ Y ☐ N Method knifeManufactured screen ☐ Y ☒ N Type \_\_\_\_\_

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

| From (ft) | To (ft) | Slot size | Number/ft | Diameter (nominal) | Material | Gauge or Schedule |
|-----------|---------|-----------|-----------|--------------------|----------|-------------------|
| 60        | 210     | 1/4 x 1/4 | 7200      | 20"                | Steel    | .250              |

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

Packer ☐ Y ☒ N Type \_\_\_\_\_

## 10. FILTER PACK:

| Filter Material | From (ft) | To (ft) | Quantity (lbs or ft <sup>3</sup> ) | Placement method |
|-----------------|-----------|---------|------------------------------------|------------------|
| N/A             |           |         |                                    |                  |

## 11. FLOWING ARTESIAN:

Flowing Artesian? ☐ Y ☒ N Artesian Pressure (PSIG) \_\_\_\_\_

Describe control device \_\_\_\_\_

## 12. STATIC WATER LEVEL and WELL TESTS:

Depth first water encountered (ft) 60' Static water level (ft) 71'

Water temp. (°F) \_\_\_\_\_ Bottom hole temp. (°F) \_\_\_\_\_

Describe access port top of well

## Well test:

| Drawdown (feet) | Discharge or yield (gpm) | Test duration (minutes) |
|-----------------|--------------------------|-------------------------|
|                 |                          |                         |

## Test method:

Pump ☐ Baller ☐ Air ☐ Flowing artesian ☐

Water quality test or comments: \_\_\_\_\_

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

| Bore Dia. (in) | From (ft) | To (ft) | Remarks, lithology or description of repairs or abandonment, water temp. | Water |   |
|----------------|-----------|---------|--------------------------------------------------------------------------|-------|---|
|                |           |         |                                                                          | Y     | N |
| 24"            | 0         | 35      | Gravel, cobbles                                                          |       | X |
| 24"            | 35        | 40      | Sandy Clay, gravel                                                       |       | X |
| 24"            | 40        | 60      | Gravel, cobbles                                                          |       | X |
| 20"            | 60        | 70      | Gravel (little water)                                                    | X     |   |
| 20"            | 70        | 90      | Brown clay                                                               |       | X |
| 20"            | 90        | 100     | Gravel                                                                   | X     |   |
| 20"            | 100       | 110     | Sand, gravel                                                             | X     |   |
| 20"            | 110       | 120     | Brown clay, gravel                                                       | X     |   |
| 20"            | 120       | 145     | Gravel                                                                   | X     |   |
| 20"            | 145       | 160     | Gravel                                                                   | X     |   |
| 20"            | 160       | 170     | Hard cemented gravel                                                     | X     |   |
| 20"            | 170       | 190     | Large gravel                                                             | X     |   |
| 20"            | 190       | 200     | Gravel                                                                   | X     |   |
| 20"            | 200       | 215     | Clay, gravel                                                             | X     |   |
| 20"            | 215       | 220     | Clay, gravel                                                             | X     |   |

RECEIVED

JUN 08 2011

Department of Water Resources  
Eastern RegionCompleted Depth (Measurable): 220'Date Started: 4-22-2011 Date Completed: 5-21-2011

## 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 Vollmer Drilling Co. No. 383\*Principal Driller \_\_\_\_\_ Date 6-6-11

\*Driller \_\_\_\_\_ Date \_\_\_\_\_

\*Operator II \_\_\_\_\_ Date \_\_\_\_\_

Operator Greg Bernal Date 6.6.11

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