

## MEMORANDUM

TO: Transfer No. 75622 File  
FROM: Steve Lester   
DATE: June 4, 2009  
RE: Evaluation of Sufficiency of Information Submitted

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The transfer proposes to change the P/D for a well drilled in 2004 under prior Transfer 70901. No known well problems/complaints or prior protests are found for this scenario. Legal notice is not needed for this minor correction.

The site is about one-half mile northeast of Shaw Mtn. and Table Rock Roads in the east Boise foothills.

**Contact person for the applicant is Lori Graves, SPF Water Engineering.**

### Summary of Information Submitted

**Authority to File:** The applicants are the water right owners of record and can file the transfer. The database name connector is "and." The application lists "and/or" and has one signature. This is acceptable if the approval retains the "and" name connector.

**Water Right Validity:** The right is valid because the partial decree was issued in 2007 within the past five year period. Also see the discussion section of this memo about the status of Transfer 70901.

**Injury to Other Water Rights and Enlargement of Use:** Injury and enlargement are not expected for a simple P/D correction.

**Local Public Interest:** The public interest is served by maintaining a viable irrigation right.

**Beneficial Use/Conservation of Water Resources:** The application proposes beneficial use consistent with conservation of water resources in Idaho.

**Review of the application finds there is no clear inconsistency with criteria of I. C. § 42-222 preventing processing of the application.**

### Discussion

There are no overlapping P/D or P/U rights for this situation.

Transfer 70901 was approved in 2004 to transfer a portion of one of the “Ham rights” to this site (parent right 63-9972). That transfer apparently proposed using a 1999 domestic well in SWSE and drilling a new irrigation well in SESW for the two P/Ds. Soon after that approval, a new irrigation well was drilled in 2004. See attached logs for those wells.

Those cold water wells are 500-600 feet deep with water bearing zones starting at 300-360 feet. They do not involve shallow ground water tributary to the Boise River above Star.

The deeper ground water for those wells was not problematic in the 2004 transfer with respect to the low temperature geothermal resource of the Boise Front GWMA. That remains a non-issue for this 2009 transfer.

Apparently the 1999 domestic well is no longer suited for irrigation use – or maybe it never was. The owners recently obtained a drilling permit for their #2 P/D in SWSE under Transfer 70901. That is when it was discovered that their 2004 irrigation well was drilled in SWSE instead of SESW. This new transfer seeks to correct that error and allow a second irrigation well to be drilled and used in lieu of the domestic well for irrigation under this right. The end result will be two irrigation wells in SWSE for this right. Exempted domestic use can continue from the 1999 domestic well if so desired. Another attachment to this memo portrays the overall scenario.

Irrigation P/Ds under both transfers are about the same distance from any neighboring wells. The lack of known problems since 2004 suggests injury is not expected under the new transfer proposal.

One problem with this approach is that development under the prior transfer should have been completed in 2005. Since it was not, the applicants added an email attachment to their new transfer. The email provides enough information to recognize more time to complete Transfer 70901, although the completion will be as described by the new transfer. Completion of development in the new transfer will mitigate for incomplete aspects of the old transfer.

A well drilling permit fee upgrade was paid for the 2009 drilling permit – not sure how it was issued under a \$75 start card but that is now being corrected by well construction staff. A well log has not been received yet for the 2009 well, but department records and the email attachment in the new transfer confirm the 2009 well is similar to the older wells (water bearing zone etc.).

### Summary

The transfer can be approved under the correction idea. This new approval also maintains Transfer 70901 in good standing. Condition 046 is not applicable to the new transfer since the 2009 well was recently drilled under an approved drilling permit for which the correct fee has now been paid.



# IDAHO DEPARTMENT OF WATER RESOURCES WELL DRILLER'S REPORT

817711

| Office Use Only |     |     |      |
|-----------------|-----|-----|------|
| Inspected by    |     |     |      |
| Twp             | Rge | Sec |      |
| 1/4             | 1/4 | 1/4 |      |
| Lat             | :   | :   | Long |
| :               | :   | :   | :    |

1. **DRILLING PERMIT NO.** 0-0-3-1500 -  
Other IDWR No. 63-9972

2. **OWNER:**

Name Mike Boren

Address 1050 N. Briar Ln.

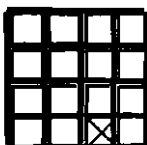
City Boise State ID Zip 83712

3. **LOCATION OF WELL by legal description:**

Sketch map location must agree with written location

N

|   |   |   |           |        |     |                                                                                           |
|---|---|---|-----------|--------|-----|-------------------------------------------------------------------------------------------|
| w | E | S | Gov't lot | County | Ada | Twp. <u>3</u> North <input checked="" type="checkbox"/> or South <input type="checkbox"/> |
|   |   |   |           |        |     | Rge. <u>2</u> East <input checked="" type="checkbox"/> or West <input type="checkbox"/>   |
|   |   |   |           |        |     | Sec. <u>16</u> 1/4 SW 1/4 SE 1/4                                                          |



Gov't lot \_\_\_\_\_ County Ada

Lat: \_\_\_\_\_ Long: \_\_\_\_\_

Address of Well Site 1050 N Briar Ln.

City Boise

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

Lt. \_\_\_\_\_ Blk. \_\_\_\_\_ Sub. Name \_\_\_\_\_

4. **USE:**

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

5. **TYPE OF WORK** check all that apply (Replacement etc.)

☒ New Well ☐ Modify ☐ Abandonment ☐ Other \_\_\_\_\_

6. **DRILL METHOD**

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

7. **SEALING PROCEDURES**

| SEAL/FILTER PACK |      |     | AMOUNT          | METHOD   |
|------------------|------|-----|-----------------|----------|
| Material         | From | To  | Sacks or Pounds |          |
| Bentonite        | 0    | 100 | 1200 lbs.       | Dry Pour |
|                  |      |     |                 |          |
|                  |      |     |                 |          |

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 193ft

Was drive shoe seal tested? ☐ Y ☒ N How? \_\_\_\_\_

8. **CASING/LINER:**

| Diameter | From | To  | Gauge | Material | Casing                              | Liner                               | Welded                              | Threaded                 |
|----------|------|-----|-------|----------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|
| 6"       | +2   | 193 | 250   | Steel    | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 4.5"     | 120  | 300 | S40   | PVC      | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
|          |      |     |       |          | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> |

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

9. **PERFORATIONS/SCREENS**

☒ Perforations Method sawcut

☐ Screens Screen Type \_\_\_\_\_

| From | To  | Slot Size | Number | Diameter | Material | Casing                   | Liner                               |
|------|-----|-----------|--------|----------|----------|--------------------------|-------------------------------------|
| 300  | 600 |           | 300    | 4.5"     | PCV      | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|      |     |           |        |          |          | <input type="checkbox"/> | <input type="checkbox"/>            |
|      |     |           |        |          |          | <input type="checkbox"/> | <input type="checkbox"/>            |

10. **STATIC WATER LEVEL OR ARTESIAN**

**PRESSURE:**

271ft. below ground Artesian Pressure \_\_\_\_\_ lb

Depth flow encountered \_\_\_\_\_ ft. Describe access port or control devices: \_\_\_\_\_

11. **WELL TESTS:**

☐ Pump ☐ Bailor ☒ Air ☐ Flowing Artesian

| Yield gal/min. | Drawdown | Pumping Level | Time   |
|----------------|----------|---------------|--------|
| 25GPM          |          | 600ft         | 2hours |
|                |          |               |        |
|                |          |               |        |

Water Temp. 62DegF

Bottom hole temp. 62DegF

Water Quality test or comments: \_\_\_\_\_

Depth first Water Encountered 310ft

12. **LITHOLOGIC LOG: (Describe repairs or abandonment)**

**Water**

| Bore Dia | From | To  | Remarks: Lithology, Water Quality & Temp. | Y | N |
|----------|------|-----|-------------------------------------------|---|---|
| 10"      | 0    | 4   | Sandy Top Soil                            |   |   |
| "        | 4    | 20  | Sandy Clay                                |   |   |
| 8"       | 20   | 45  | Gravel and Sand                           |   |   |
| "        | 45   | 60  | Sand                                      |   |   |
| "        | 60   | 74  | Tan Clay                                  |   |   |
| "        | 74   | 100 | Cemented Sand                             |   |   |
| 6"       | 100  | 143 | Sandy Clay                                |   |   |
| "        | 143  | 167 | Sand                                      |   |   |
| "        | 167  | 190 | Sandy Clay                                |   |   |
| "        | 190  | 234 | Blue Clay                                 |   |   |
| "        | 234  | 265 | Basalt                                    |   |   |
| "        | 265  | 298 | Black Shale and Clay                      |   |   |
| "        | 298  | 310 | Basalt                                    |   |   |
| "        | 310  | 345 | Black Shale                               |   |   |
| "        | 345  | 400 | Blue Clay                                 |   |   |
| "        | 400  | 467 | Black Shale                               |   |   |
| "        | 467  | 490 | Basalt                                    |   |   |
| "        | 490  | 560 | Sandy Blue Clay                           |   |   |
| "        | 560  | 567 | Cemented Quartz Sand                      |   |   |
| "        | 567  | 580 | Blue Clay                                 |   |   |
| "        | 580  | 591 | Cemented Quartz Sand                      |   |   |
| "        | 591  | 600 | Sandy Blue Clay                           |   |   |

RECEIVED

JUN 10 2004

WATER RESOURCES  
WESTERN REGION

Completed Depth: 600

(Measurable)

Date: Started 5-26-04

Completed 6-2-04

13. **DRILLER'S CERTIFICATION**

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

Firm Name Coonse Well Drilling

Firm No. 409

Firm Official [Signature]

Date 6-3-04

Supervisor or Operator [Signature]

Date 6-3-04

(Sign once if Firm Official & Operator)

Date: 6/4/2004 Time: 5:08:45 PM

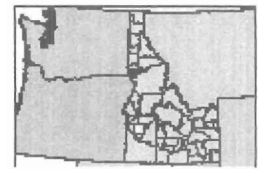
2004 WELL - IRRIGATION

# Idaho Department of Water Resources

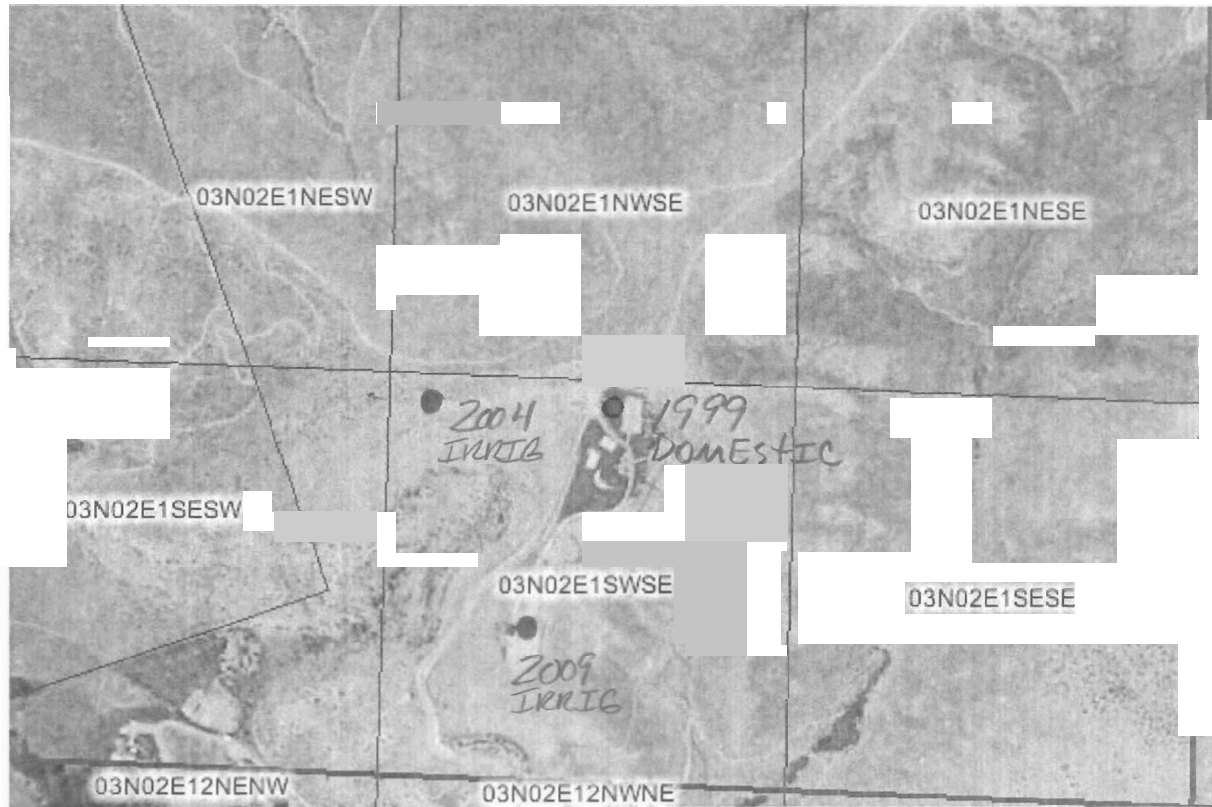
## Well Drillers' Locator

The lat/long you provided was 43° 37.327' N; 116° 9.634' W

IDTM NAD83 coordinates: Easting=2325681; Northing=1382395



Choose the map-display background:



☐ Wells ☐ Water Rights ☐ Water Right Permits ☐ Adjudication Claims ☐ Adjudication Recommendations

\* Positions of wells/headgates may be based upon the center of a quarter-quarter section; those obtained by GPS or survey are accurate.

T. 70901  
2004

— for 2 wells:  
1) Dom. 1999 SWSE > for 2 irrig plots  
2) Add NW & SESE

— Actually drilled e SWSE in 2004

T. 75622  
2009

— correct P/A location from SESE to SWSE (2004 well)  
— drill #2 well instead of use dom well (2009 well)  
— Result: 2 irr wells SWSE