

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

**A. GENERAL INFORMATION**

Permit No: 15-7198

Exam Date: 10/16/2012

1. Current Owner: BRUCE JACKSON  
PO BOX 33  
MALAD CITY ID 83252  
**208 766-2835**

2. Accompanied by: Bruce Jackson  
Phone No:  
Address:  
Relationship to Permit Holder: Same

3. SOURCE TRIBUTARY  
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 SW1/4NW1/4 Sec. 24, Twp 16S, Rge 36E, B.M. ONEIDA County

Method of Determination: GPS (-112.20741, 42.023443), site visit

2.

<u>PLACE OF USE:</u>		DOMESTIC													
Twp	Rge	Sec	NE			NW			SW			SE			Totals
16S	36E	24	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
									X						

<u>PLACE OF USE:</u>		STOCKWATER													
Twp	Rge	Sec	NE			NW			SW			SE			Totals
16S	36E	24	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
									X						

<u>PLACE OF USE:</u>		IRRIGATION													
Twp	Rge	Sec	NE			NW			SW			SE			Totals
16S	36E	24	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
									6.0						6.0

Total Acres: 6

Method of Determination: Site Visit

- 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>
_D0021312	Unknown	7	In bottom of 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>
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2. Measurements: None – Irrigation system drained at time of site visit, used theoretical calculations for rates.

**E. FLOW CALCULATIONS**

Additional Computation Sheets Attached

Measured Method: Theoretical

**F. VOLUME CALCULATIONS**

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 6 \times 3.5 = 21 \text{ AF}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.12 \times 214 \times 1.9835 = 50.936 = 51 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 21 \text{ AF}$$

2. Volume Calculations for Other Uses: Domestic – Standard rate no irrigation = 0.6 AF

$$\text{Stock} = 12 \times 12\text{gpd} \times 365 = 52560/325850 = 0.16 \text{ AF} = 0.2 \text{ AF}$$

**G. NARRATIVE/REMARKS/COMMENTS**

At the time of field exam the irrigation system had been drained, no way to measure a theoretical calculation was used based on the information provided by the applicant.

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	0.040 CFS	0.60 AF
STOCKWATER	01/01 to 12/31	0.020 CFS	0.20 AF
IRRIGATION	04/01 to 10/31	0.120 CFS	21.00 AF
	<u>Totals:</u>	0.180 CFS	21.80 AF

**2. Recommended Amendments**

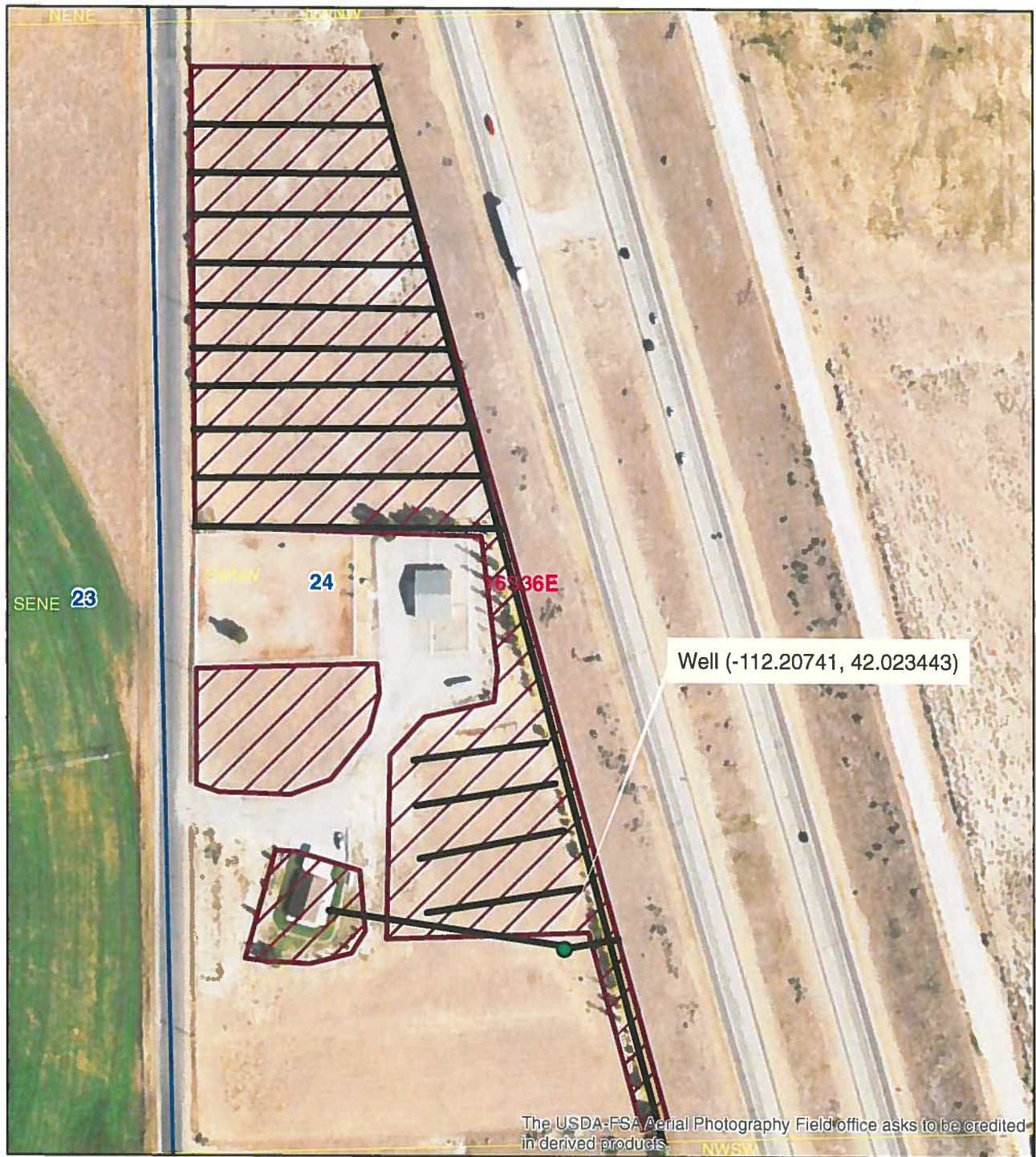
Change P.D. as reflected above     Add P.D. as reflected above     None

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

**I. AUTHENTICATION**

Field Examiner's Name Kerrie Hathaway Date 12-30-14  
Reviewer \_\_\_\_\_ Date \_\_\_\_\_





### Field Exam October 16, 2012 15-7198

— Diversion System

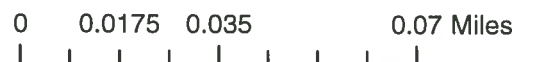
 POU

1" pipe with sprinkler heads, 2" Mainline feeds sprinklers

 Township/Range

 Sections

 QQ





Looking South



Looking West



Looking North



Looking N



Looking NW past Shop

IDAHO DEPARTMENT OF WATER RESOURCES  
WELL DRILLER'S REPORT

Office Use Only  
Inspected by \_\_\_\_\_  
Twp \_\_\_\_\_ Rge \_\_\_\_\_ Sec \_\_\_\_\_  
\_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4  
Lat. : : Long. : :

1. WELL TAG NO. D 0021312  
DRILLING PERMIT NO. 769967  
Other IDWR No. \_\_\_\_\_

2. OWNER: Blue Jackson **15**  
Name \_\_\_\_\_  
Address PO Box 33  
City Malad, Id State \_\_\_\_\_ Zip 83252

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

N		Twp. <u>16</u>		North <input type="checkbox"/>	or	South <input type="checkbox"/>
W		Rge. <u>36</u>		East <input checked="" type="checkbox"/>	or	West <input type="checkbox"/>
E		Sec. <u>24</u>		1/4 SW 1/4 NW 1/4		
S		Gov't Lot _____		County <u>ONEIDA</u>		

Lat. : : Long. : :  
Address of Well Site 1 1/2 mile North  
City \_\_\_\_\_  
(Give at least name of road, Distance to Road, and Landmark)  
of Id-Utah border on Farming  
road southeast of Malad

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 14'	8 Sks		dry pour Hyd
Cement	14 28'	6 Sks		Hand mix

Was drive shoe used?  Y  N Shoe Depth(s) 240 f

Was drive shoe seal tested?  Y  N How? Bailer

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
10"	11	210	250	Steel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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

9. PERFORATIONS/SCREENS

Perforations Method mills Riv. Sie  
Screens Screen Type \_\_\_\_\_

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
118	218	1/4x24	296			<input checked="" type="checkbox"/>	<input type="checkbox"/>
The casing has only							

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

165 ft. below ground Artesian pressure \_\_\_\_\_ lb.  
Depth flow encountered \_\_\_\_\_ ft. Describe access port or control devices: through Sampling Seal

11. WELL TESTS:

- Pump  Bailor  Air  Flowing Artesian

Yield gal/min.	Drawdown	Pumping Level	Time

Water Temp. cold Bottom hole temp. \_\_\_\_\_

Water Quality test or comments: Free

Depth first Water Encounter 178

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

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
12	0	2	Top Soil		
	2	10	Clay silt		
	10	15	Cobbles gravel		
	15	25	Tan Brown clay		
10	25	50	Brown Clay & gravel		
	50	60	gravel		
	60	85	Brown Clay & gravel		
	85	120	Gravel & Brown clay		
	120	130	Sandy Brown clay		
	130	178	Clay Gravel in clay		X
	178	184	Gravel		X
	184	204	"		X
	204	210	"		X
	210	225	"		X
	225	235	"		X
	235	243	Sandy Brown Clay		X
	243	248	gravel		X
	248	270	Thin Clay		X
	270	278	gravel		X
	278	290	Firm Sandy clay		X
	290		Hard Dolomite limestone		X

RECEIVED

RECEIVED

SEP 16 2001

SEP 26 2001

Department of Water Resources  
Eastern Region

Completed \_\_\_\_\_ Depth 290 (Measurable)  
Date: Started 9/5/01 Completed 9-13-01

13. DRILLER'S CERTIFICATION

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

Company Name Speed Well Drilling Firm No. 216

Firm Official Andy Wood Date 9-24-01

and \_\_\_\_\_  
Driller or Operator \_\_\_\_\_ Date \_\_\_\_\_

(Sign once if Firm Official & Operator)