

[illegible]

Method of Determination:

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</u> <u>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</u> <u>Size</u>
D0055423	FRANKLIN	1.5			

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.

<u>Measurement</u> <u>Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
N/A						

2. Measurements:

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

Measured Method: UNABLE TO PERFORM FLOW MEASUREMENT

$$(1.5 \text{ HP})(8.8)(0.8) / 305 + (40 \times 2.3087) = 0.03 \text{ CFS}$$

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

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

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

$$V = \text{Smaller of } V_{IR} \text{ and } V_{D.R.} =$$

2. Volume Calculations for Other Uses: DOMESTIC USE FOR 3 HOMES AND IRRIGATION UP TO 1/2 ACRE PER HOME = 1.2 AF X 3 = 3.6 AF

G. NARRATIVE/REMARKS/COMMENTS

FIELD EXAM SHOWED WELL WITH 1.5 HP PUMP AND 3K GALLON CISTERN SUPPLYING 3 HOMES WITH SMALL AMOUNTS OF IRRIGATION PER HOME. UNABLE TO PERFORM FLOW MEASUREMENT, BUT THEORETICAL ESTIMATES WELL IS ABLE TO PRODUCE 0.03 CFS. APPLICANT SAID HE WOULD BE FINE SWITCHING LICENSE TO DOMESTIC FOR 3 HOMES WITH IRRIGATION UP TO 1/2 ACRE PER HOME INSTEAD OF HAVING A IRRIGATION COMPONENT. LICENSE WILL BE ISSUED FOR 0.03 CFS WITH ANNUAL VOLUME OF 3.6 AF.

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	0.030 CFS	3.60 AF
<u>Totals:</u>		0.030 CFS	3.60 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 Anton Friedman Date 12-15-2015

Reviewer [Signature] Date 12-18-2015

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

95-11404

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

1. WELL TAG NO. D0055423

I. IRIG PERMIT N

Other IDWR No

2. OWNER:

Name Timberwood Construction, Inc.Address 717 Dundee Drive

City Post Falls

State ID

Zip 83854

3. LOCATION OF WELL by legal description:

N			Twp 51N North ☒ or South ☐		
W			Rge 03W East ☐ or West ☒		
E			Sec 04 1/4 SE 1/4 NE 1/4		
S			10 Ac 40 Ac 160 Ac		
Govt Lot			County Kootenai		
Lat 47:47:59			Long 118:42:15		

Address of Well Site: (see next line)

Hayden Idaho

City Hayden

Lot

Blk

Sub. Name (see next line)

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. RILL METHOD

☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other

7. SEALING PROCEDURES

SEAL/FILTER PACK			Amount	Method
Material	From	To	Sacks/Lbs	
BENTONITE	0	-40	15 SACKS	DRY POOR

Drive Shoe Used? ☒ Y ☐ N Shoe Depth(s) 278Drive Shoe Seal Tested? ☐ Y ☒ N How?

8. CASING/LINER

Diam	From	To	Gauge	Material	Casing	Liner	Weld	Thrded
6	+2	278	0.250	STEEL	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length Headpipe N/A Length Tailpipe N/A

9. PERFORATIONS/SCREENS

☒ Perforations? Method AIR☐ Screens? Screen Type

From	To	Slot	Nmbr	Diam	Material	Casing	Liner
260	280	1/2	500	3IN	STEEL	☒	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL or ARTESIAN PRESSURE

160 ft. below ground. Artesian pressure 0 ft.

Depth flow encountered 180 ft. Describe access port or

control devices: CAP WELDED

11. WELL TESTS:

☐ Pump ☐ Bailor ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pump Level	Time
20 GPM EST	n/a	320	2HRS

Water Temp. COLD Bottom hole temp. COLD

Water Quality test or comments: (below) Depth first Water Encountered 160

CLEAR

12. LITHOLOGIC LOG (Describe repairs or abandonment)

Bore Diam	From	To	Lithology, Water Quality and Temperature	Water
				Y N
8	0	4	CLAY GRAVEL	☐ ☒
8	4	70	BASALT	☐ ☒
8	70	110	CLAY BROWN	☐ ☒
8	110	170	BASALT BROKEN 5GP 180	☒ ☐
8	170	230	CLAY HARD GRAY	☐ ☒
8	230	278	BASALT HARD	☐ ☒
6	278	310	HARD BASALT	☐ ☒
6	310	318	BROKEN BASLT 15 GPM	☒ ☐
6	318	320	CLAY GRAY	☐ ☒

Completed Dept 320 (Measurable)

Date: Started 10/13/2008 Completed 10/15/2008

13. DRILLERS CERTIFICATION

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

Firm Name United Drilling Inc.

Firm No 414

Firm Official Timothy R. Volking Date 10/14/2008

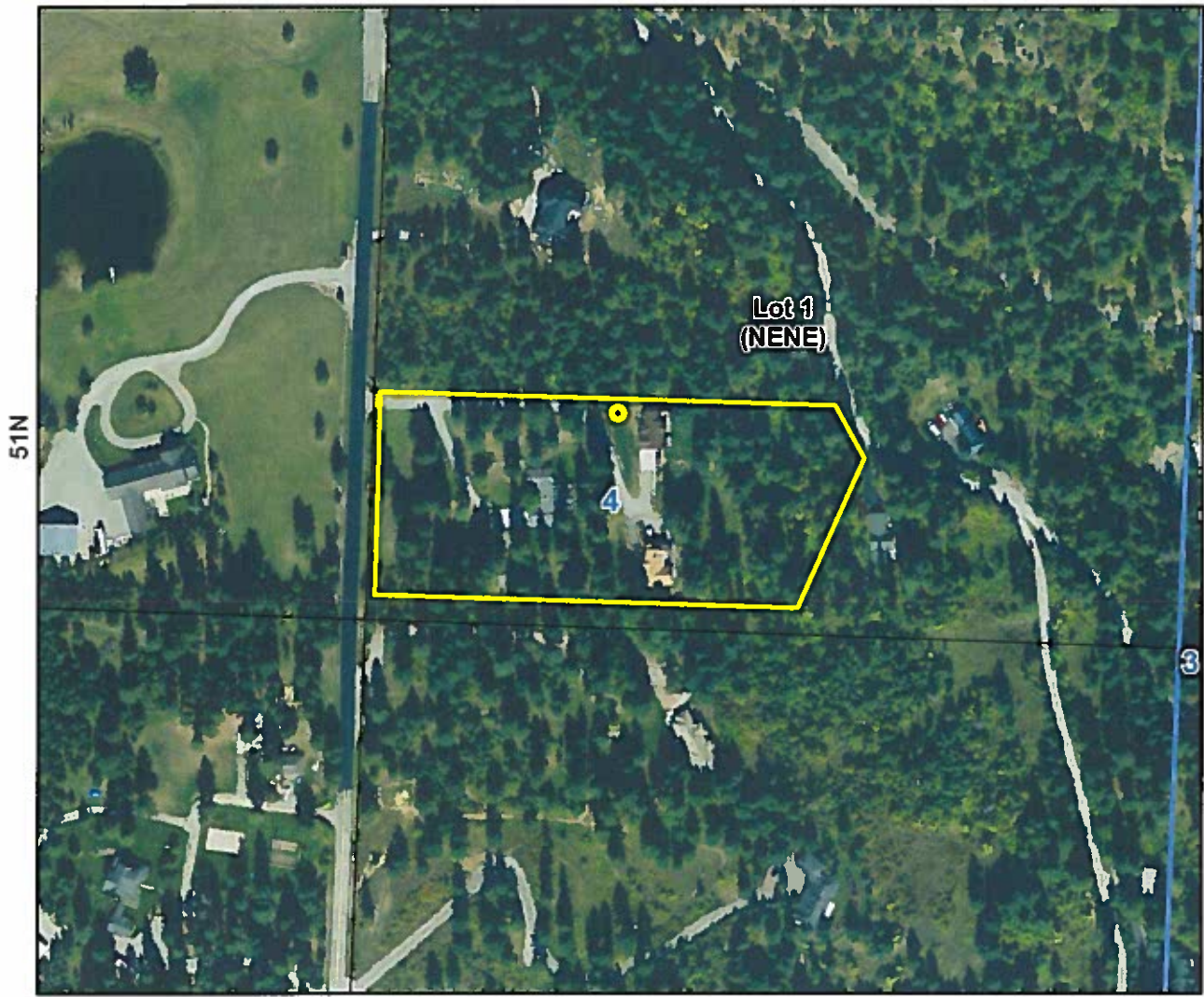
Supervisor or Operator Timothy R. Volking

Date 10/14/2008

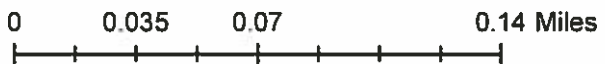
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Well # 489523

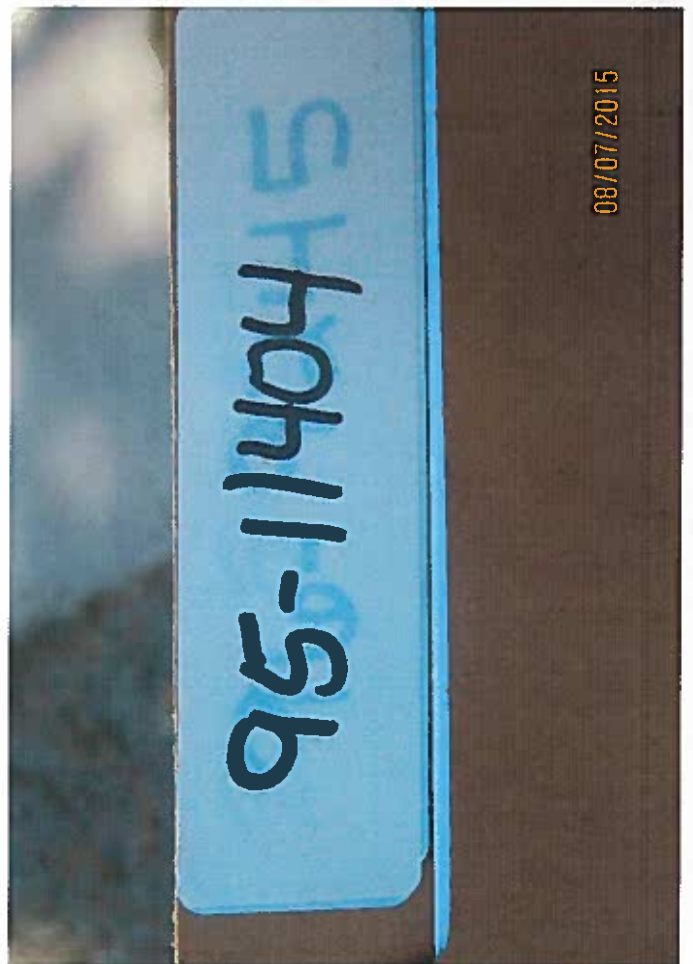
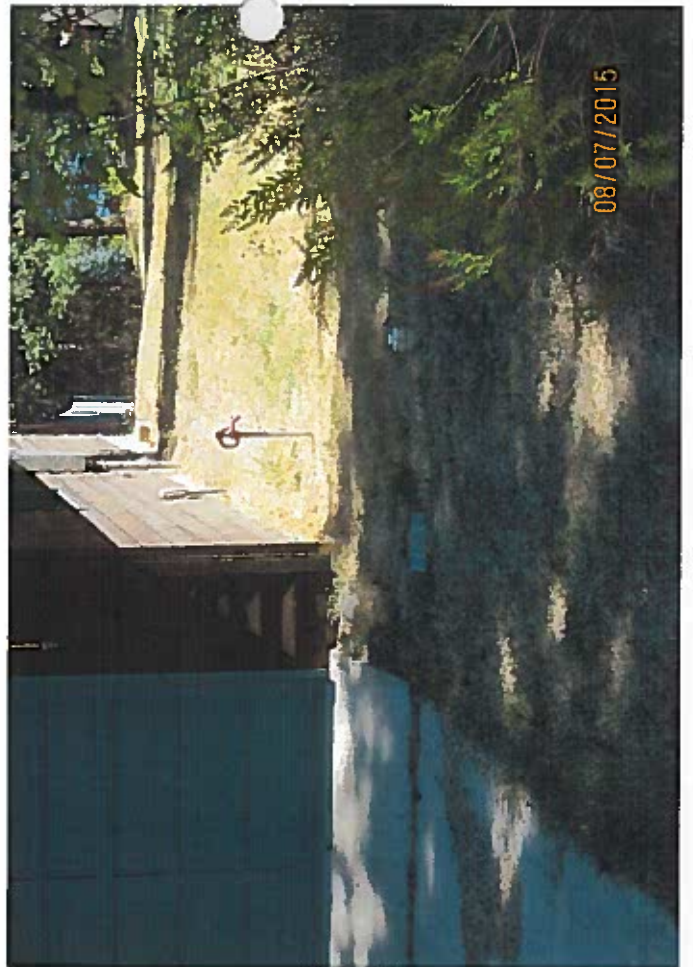
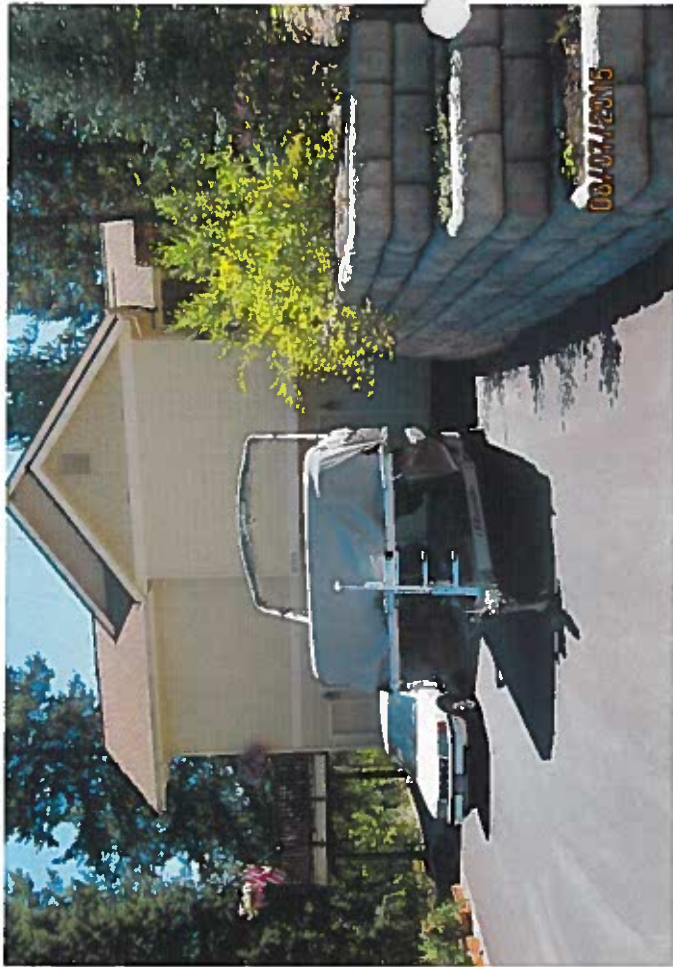
State of Idaho
Department of Water Resources
Water Right License
95-11404

03W

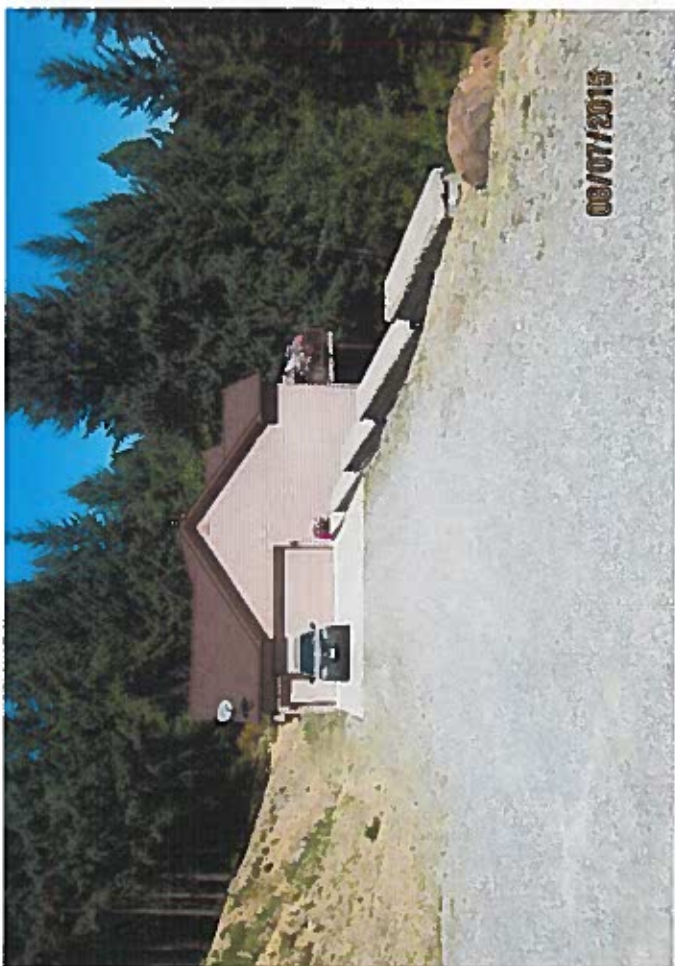
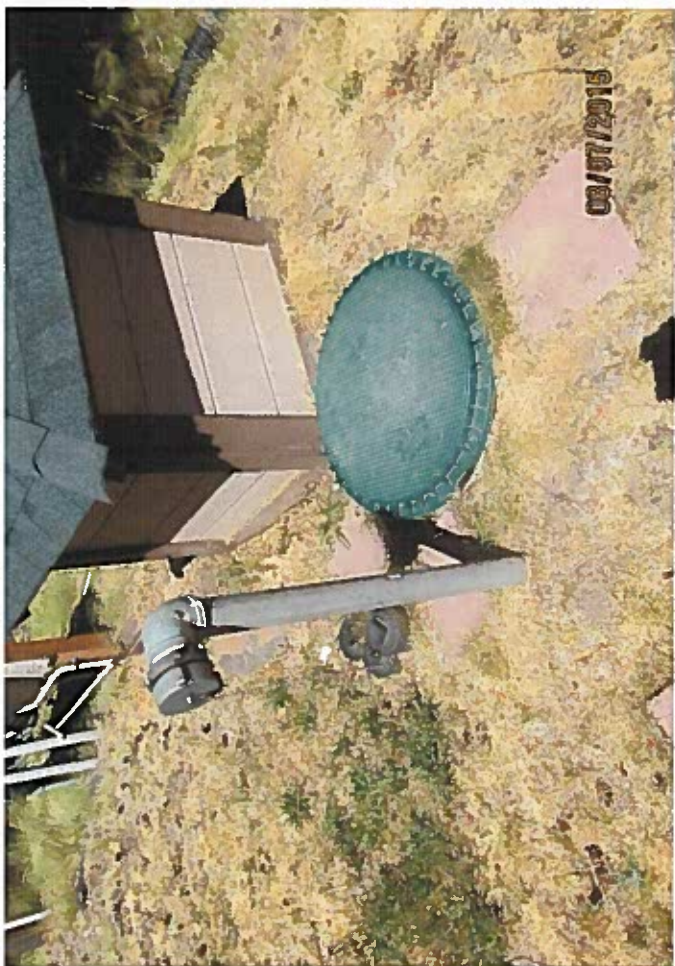


-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections





95-11404



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