

A. GENERAL INFORMATION

Exam Date: 7/2/2015

- ### 3. SOURCE

TRIBUTARY

B. OVERLAP REVIEW

- ### C. DIVERSION AND DELIVERY SYSTEM

1. LOCATION OF POINT(S) OF DIVERSION:

Method of Determination: GPS and Maps. POD location at 47° 37.756, 116° 37.496 (A0015412)

- PLACE OF USE:** COMMERCIAL

[illegible]

PLACE OF USE: DOMESTIC

[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>
D0054711	FRANKLIN	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>
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N/A

2. Measurements:

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

Measured Method: UNABLE TO GET PROPER SECTION OF PIPE TO CONDUCT FLOW MEASUREMENT.
THEORETICAL PUMPING EQUATION ESTIMATES FLOW AT 55.4 GPM OR 0.12 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 1 HOME = 0.6 AF

DOMSTIC USE FOR UP TO 1/2 ACRE OF IRRIGATION = 0.6 AF

COMMERCIAL USE FOR 1 RESTAURANT = 250 CUSTOMERS / EMPLOYEES PER DAY X 12 GAL/ CUSTOMER X 6 DAYS A WEEK OF OPERATING X 52 WEEKS A YEAR = 936,000 GALLONS PER YEAR / 325,850 = 2.9 AF

G. NARRATIVE/REMARKS/COMMENTS

FIELD EXAM SHOWED 5 HP PUMP IN WELL. NO LOCATION TO SET UP FLOW METER SO THEORETICAL PUMPING EQUATION ESTIMATES FLOW AT 55 GPM OR 0.12 CFS. PERMIT WAS FOR 0.11 CFS SO THAT IS WHAT LICENSE WILL BE FOR. DOMESTIC USE FOR 1 HOUSE AND IRRIGATION OF UP TO 1/2 ACRE WILL BE GIVEN 1.2 AF. COMMERCIAL USE FOR RESTAURANT IS BROKEN DOWN TO 250 GUEST/ WORKERS PER DAY, OPERATING 6 DAYS A WEEK FOR 52 WEEKS IN A YEAR. COMMERCIAL USE WILL BE GIVEN 2.9 AF FOR A TOTAL OF 4.1 AF FOR LICENSE.

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>
COMMERCIAL	01/01 to 12/31	0.070 CFS	2.90 AF
DOMESTIC	01/01 to 12/31	0.040 CFS	1.20 AF
<u>Totals:</u>		0.110 CFS	4.10 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 Friedman Date 11-3-2015

Reviewer _____ Date _____

THEORETICAL PUMPING EQUATION FOR WATER RIGHT 95-9404

PUMP EQUATIONS WATER RIGHT No. 95-9404						
		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	HP*8.8*Eff/H	5	285.517	0.8	193	40
Q =		0.123 cfs	55.4 gpm			

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. D0054711

Drilling Permit No

Other IDWR No.

852084
95-09404

2. OWNER

Name WOLF LODGE INN, TOM ENGLE

Well Number:

1429

Address 4531 IVERNESS DR

City POST FALLS State ID Zip 83854

3. LOCATION OF WELL by legal description

sketch map location must agree with written location

N	Twp. 49N	North or	South
W	Rge. 02W	East or	West
E	Sec. 05	1/4 NW	1/4 NW 1/4
S	Gov't Lot	County	KOOTENAI
	Latitude:	Longitude:	

Address of Well Site 11741 FRONTAGE RD

City COEUR D'ALENE

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

Lt. Blk. Sub. Name

4. USE:

Domestic ☒ Municipal ☐ Monitor ☐ IrrigationThermal ☐ 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	125	2700 LBS	OVERBORE

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 125Was drive shoe seal tested? ☐ Y ☒ N How?

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
8	+2	125	.322	STEEL	☒	☐	☒	☐
6	-103	203	.280	STEEL	☒	☐	☒	☐

Length of Headpipe

Length of Tailpipe

9. PERFORATIONS/SCREENS

Perforations Method TORCH

Screens Screen Type

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
-168	200	12 X 1/2	72	6	STEEL	☒	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

40 ft. below ground Artesian pressure lb.

Depth flow encountered 40 ft. Describe access port or control devices:

49N 02W 05

11. WELL TESTS:

Pump	Bailer	Air	Flowing Artesian
Yield gal/min.	Drawdown	Pumping Level	Time
100			1 HR

Water Temp. COLD Bottom Hole Temp COLD

Water Quality test or comments: CLEAR

Depth first Water encountered 40

12. LITHOLOGIC LOG:(Describe repairs or abandonment)

Bore Diam	From	To	Remarks: Lithology, Water Quality, Temperature	Water
12	0	4	Broken Shale	☒
12	4	50	Tan Shale	☒
12	50	125	Med. Hard Grav Shale	☒
8	125	150	Med. Hard Gray Shale	☒
8	150	160	Fractured Grav Shale	☒
8	160	203	Med. Hard Grav Shale	☒

RECEIVED

AUG 08 2008

IDWR/North

Completed Depth	203	(Measurable)
Date: Started	7/7/2008	Completed 7/9/2008

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 H2O WellService, Inc. Firm No. 448

Firm Official *Jim McLeslie* Date 7-11-08

and

Supervisor or Operator *Jim McLeslie* Date 7/10/2008

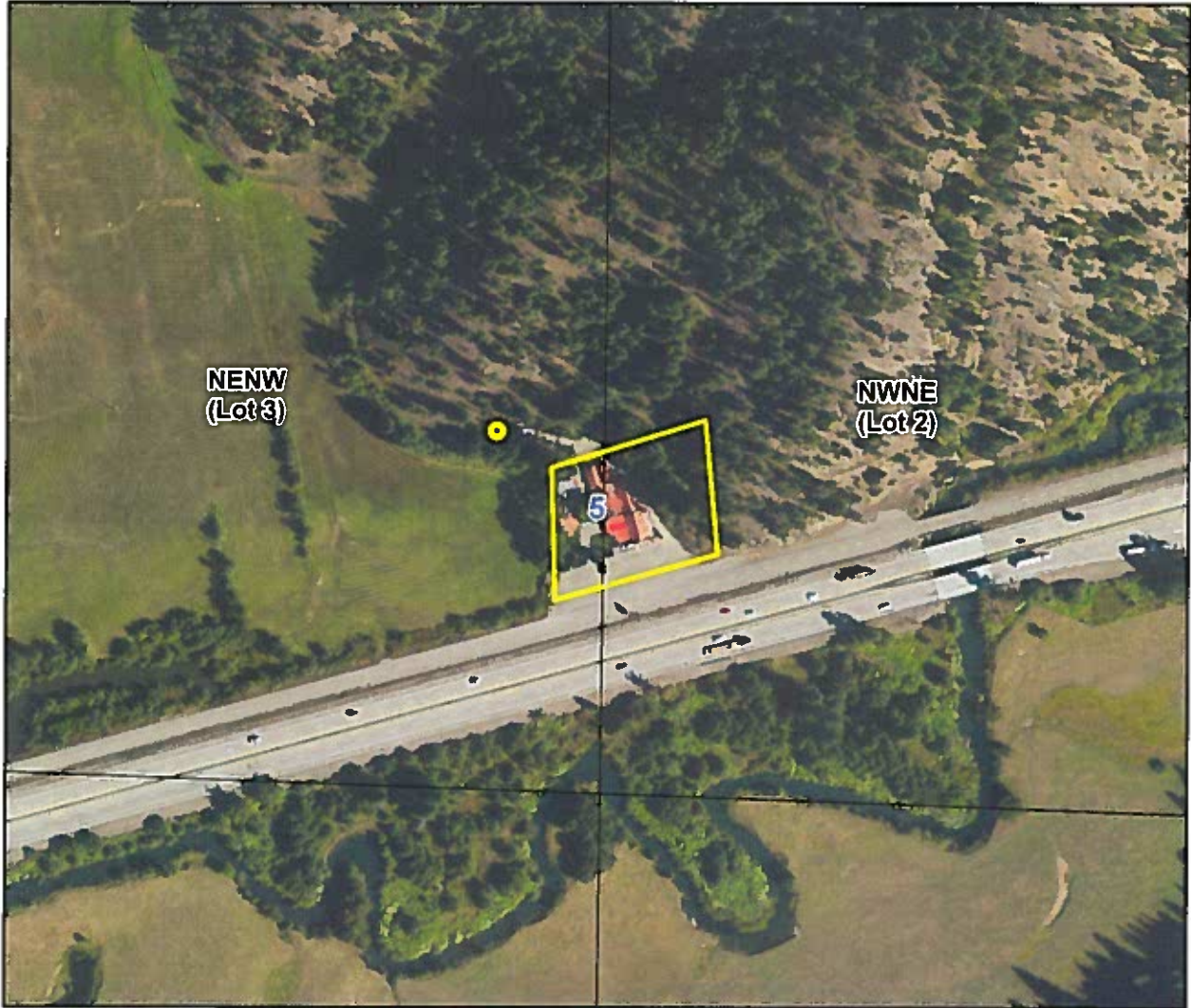
JIM McLESLIE

(Sign Once if Firm Official and Operator)

State of Idaho
Department of Water Resources
Water Right License
95-9404

02W

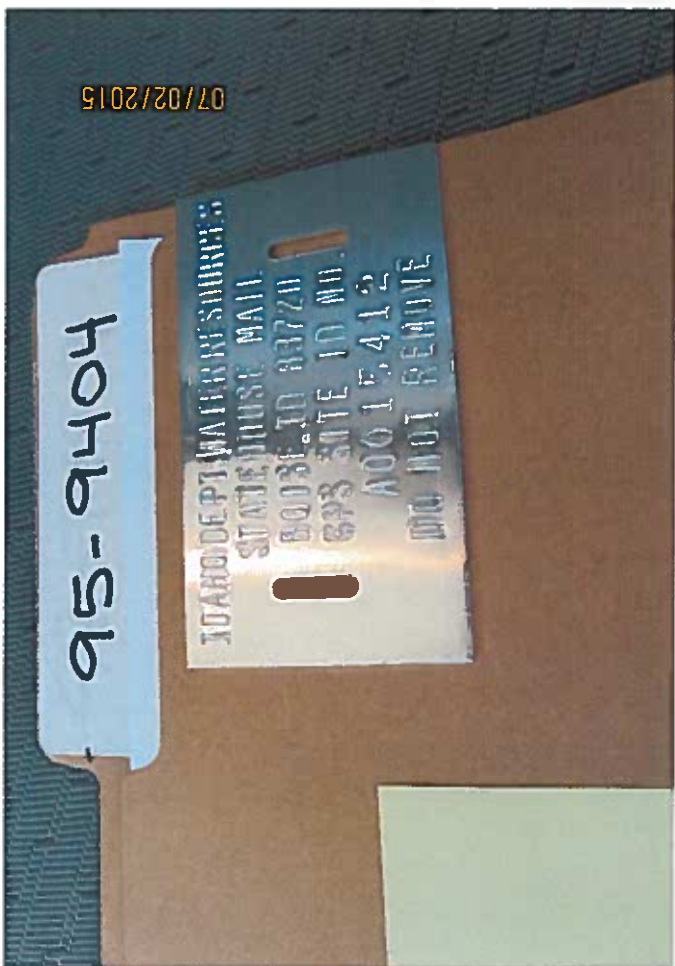
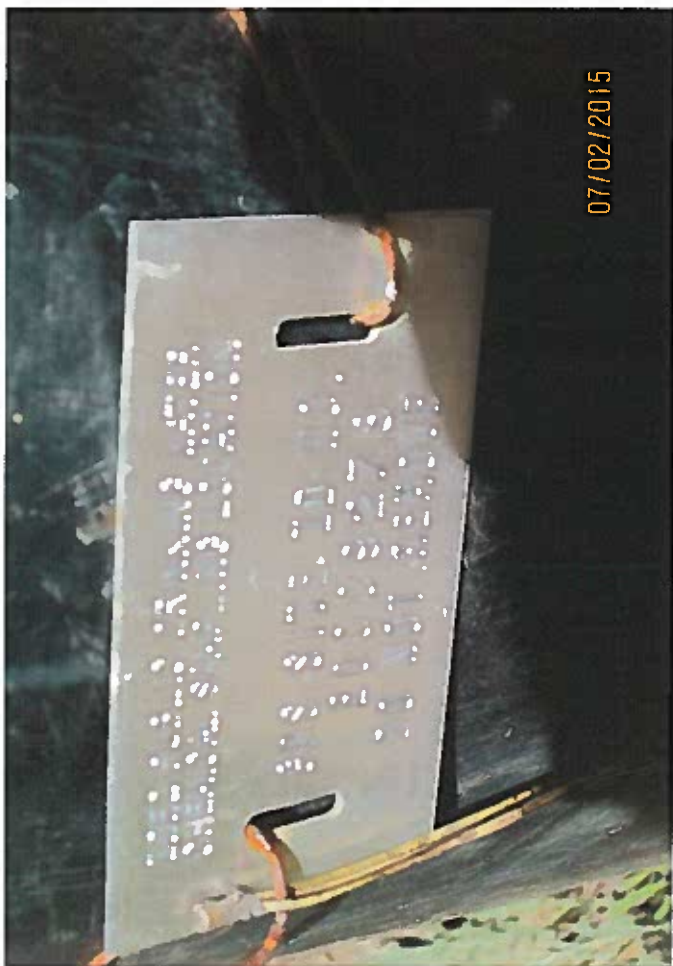
49N



0 0.035 0.07 0.14 Miles

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

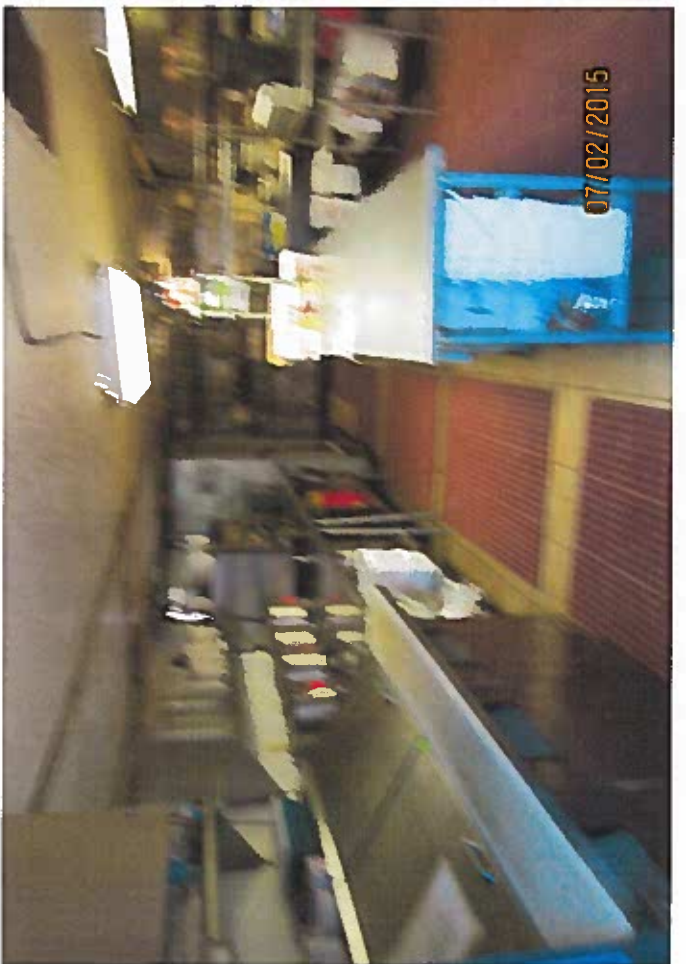




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