

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-12887

Exam Date: 5/17/2016

1. Current Owner:
KILDAIRE HOMEOWNERS ASSN 3200 S LOCHURST LN COEUR D ALENE ID 83814 (208) 667-6206
2. Accompanied by: Rick Marcus
Phone No: 208-661-2746
Address: 3200 S Lockurst Ln.
Relationship to Permit Holder: Applicant

3. SOURCE: 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 L2 (SW $\frac{1}{4}$ SW $\frac{1}{4}$) Sec. 28, Twp 50N, Rge 03W, B.M. KOOTENAI County

Method of Determination: GPS and maps. POD location at 47° 38.575, 116° 42.995 (A0015445)

2.

PLACE OF USE: DOMESTIC

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
50N	03W	28											X L 2	X					

Method of Determination: GPS and maps.

3.

Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.

 X Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.

 X Aerial Photo Attached (required for irrigation of 10+ acres).

 X Photo of Diversion and System Attached

4.

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
95-92-N-70	FRANKLIN	5			

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

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

2. Measurements:

E. FLOW CALCULATIONS

Measured Method: UNABLE TO PERFORM FLOW MEASUREMENT. THEORETICAL PUMPING EQUATION ESTIMATES FLOW RATE AT _____ Additional Computation Sheets Attached

$$(5 \text{ HP})(8.8)(0.8) / (211 + (55 \times 2.3087)) = 0.1 \text{ CFS}$$

F. VOLUME CALCULATIONS**1. Volume Calculations for Irrigation:**

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

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

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} =$$

2. Volume Calculations for Other Uses: DOMESTIC WITH UP TO 1/2 ACRE PER HOME = 5 HOMES X 1.2 AF = 6 AF**G. NARRATIVE/REMARKS/COMMENTS**

FIELD EXAM SHOWED APPLICANTS HAD WELL WITH 5HP PUMP RUNNING AT 55 PSI. FLOW METER ON SYSTEM, BUT EXAMINER WAS UNABLE TO PERFORM FLOW MEASUREMENT BECAUSE THERE WAS NO STORAGE FOR SYSTEM AND COULD NOT ENSURE FULL SYSTEM CAPACITY IF APPLICANT TURNED ON A FEW SPRINKLERS. THEORETICAL PUMPING EQUATION ESTIMATES FLOW RATE AT 46.8 GPM OR 0.10 CFS. UPON REVIEW AT TIME OF LICENSING IT WAS DETERMINED THAT GCDB LAYERS WAS SHOWING WRONG LOCATION OF SECTION LINE AND APPLICANTS HAD APPLIED IN THE PROPER QQ AS CONFIRMED BY KOOTENAI WEB MAPPING SYSTEM. APPLICANT WAS FINE WITH CHANGING LICENSE TO DOMESTIC FOR 5 HOMES WITH IRRIGATION UP TO 1/2 ACRE PER HOME. 4 HOMES WERE BUILT AND 1 LOT WAS STUBBED IN. ONE APPLICANT OWNED 2 LOTS 4 AND 5, AND HOME IS ON LOT 4 AND IRRIGATION WAS OCCURRING ON LOT 4 AND 5. IRRIGATION ON BOTH LOTS DOES NOT EXCEED 1/2 ACRE. MAP WILL BE MADE TO IDENTIFY THOSE TWO LOTS AS HAVING DOMESTIC FOR 1 HOME WITH UP TO 1/2 ACRE OF IRRIGATION.

Have conditions of permit approval been met? X 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	0.10 CFS	6.0 AF
	<u>Totals:</u>	0.100 CFS	6.00 AF

2. Recommended Amendments

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

Change P.U. as reflected above Add P.U. as reflected above X None

I. AUTHENTICATION

Field Examiner's Name Adam Fraden Date 5-20-2016

Reviewer Date

PUMP EQUATIONS WATER RIGHT No.						95-12887
		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	$\frac{HP \times 8.8 \times \text{Eff}}{H}$	5	338.2109	0.8	211	55
Q = 0.104 cfs 46.8 gpm						

State of Idaho
Department of Water Resources
Water Right License
95-12887



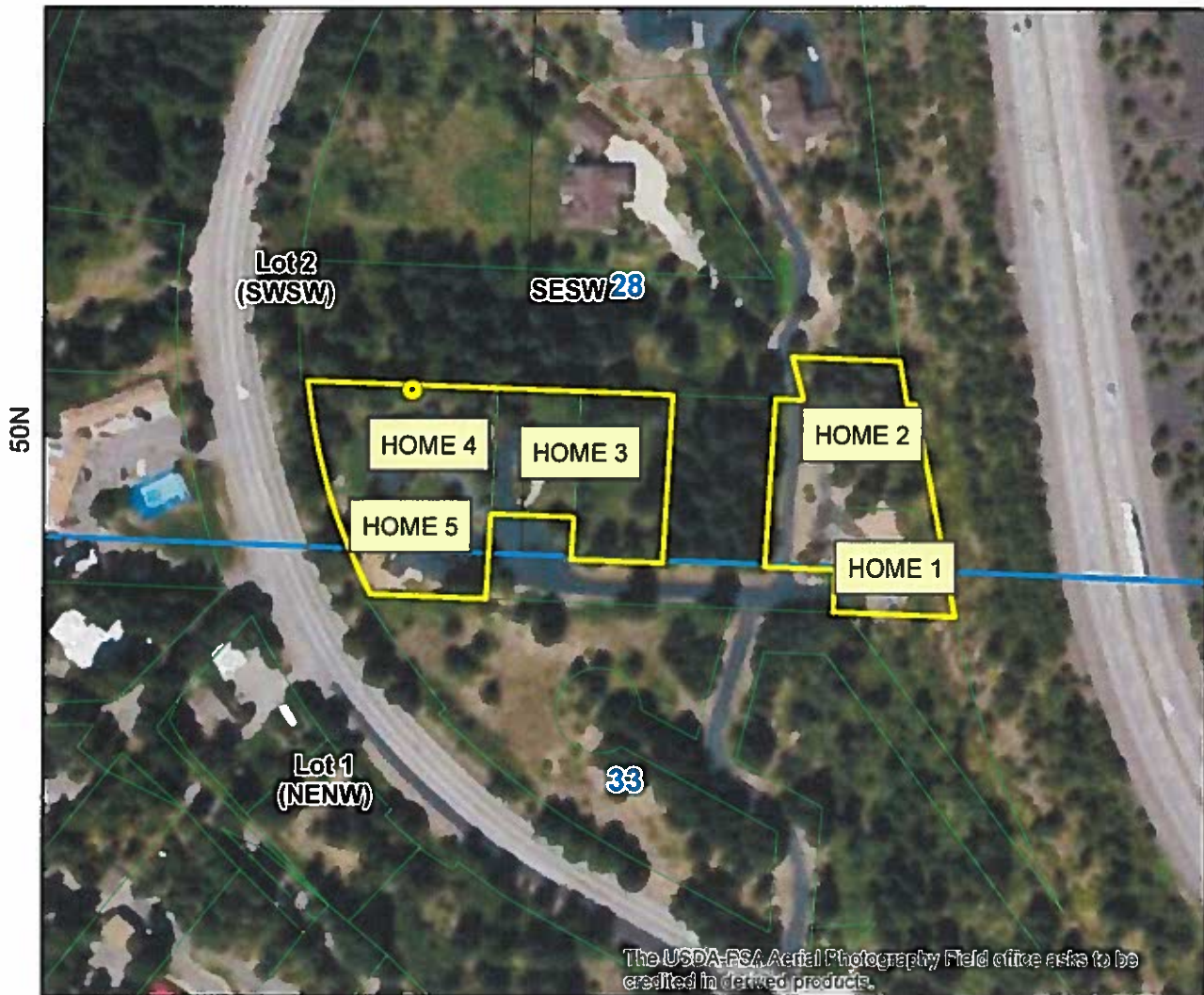
- Point of Diversion
- Place Of Use Boundary
- Townships
- PLS Sections
- Taxlots

0 0.035 0.07 0.14 Miles



State of Idaho
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95-12887

03W



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

0 0.025 0.05 0.1 Miles





Kootenai County

Map Layers

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Search by

Owner

Additional

AIN: 114056

LRSN: 50718

Parcel Number: 0-4300-000-001-A

Appr Dist: 6 TRS: 503W285W

Incorporation: NONE

Owner Information:

MARCUS, RICHARD

3200 S LOCHURST LN

COEUR D ALENE, ID 83814

Site Address:

3200 S LOCHURST LN

COEUR D ALENE

Legal Description:

BKPG: E93

KILLDARE HEIGHTS 1ST ADD, LT 1 EX

HWY RW

Acres: 0.327

<http://kcearth.kcgov.us/map/default.html>

http://

gov

us/mc-c-athand

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us/mc-c-athand

5/20/2016



95-12887



Home 1





95-10887

Home 2





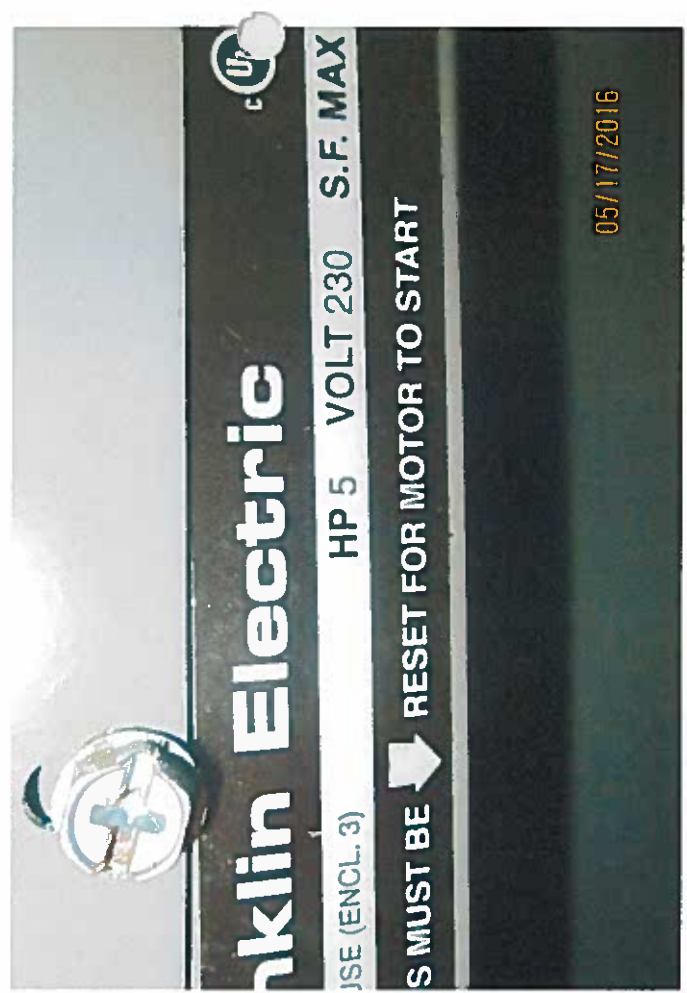
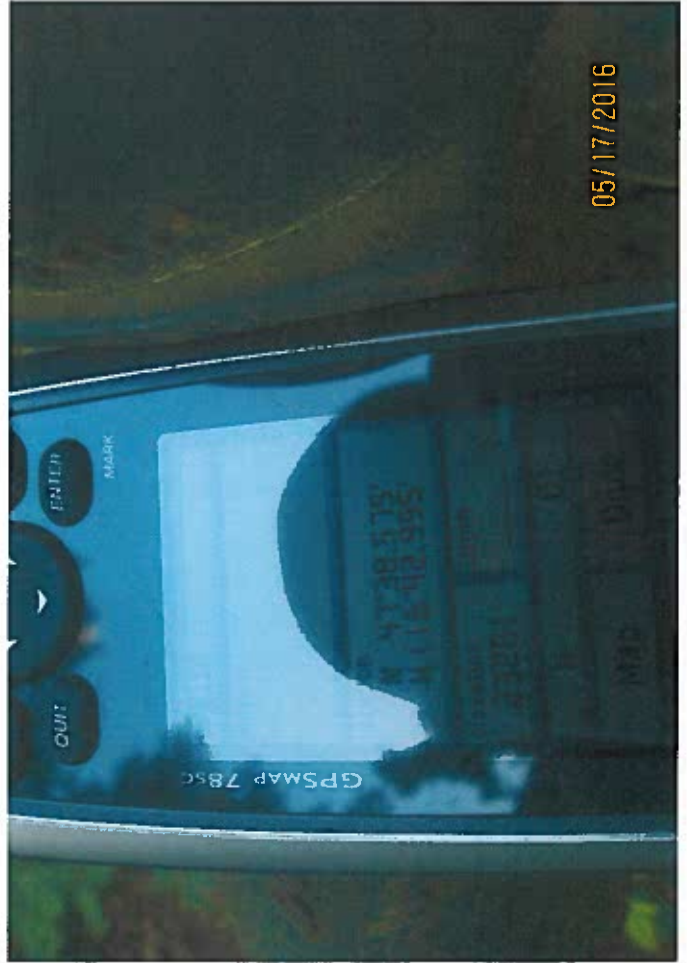
Home 3



Home 4



95-12887

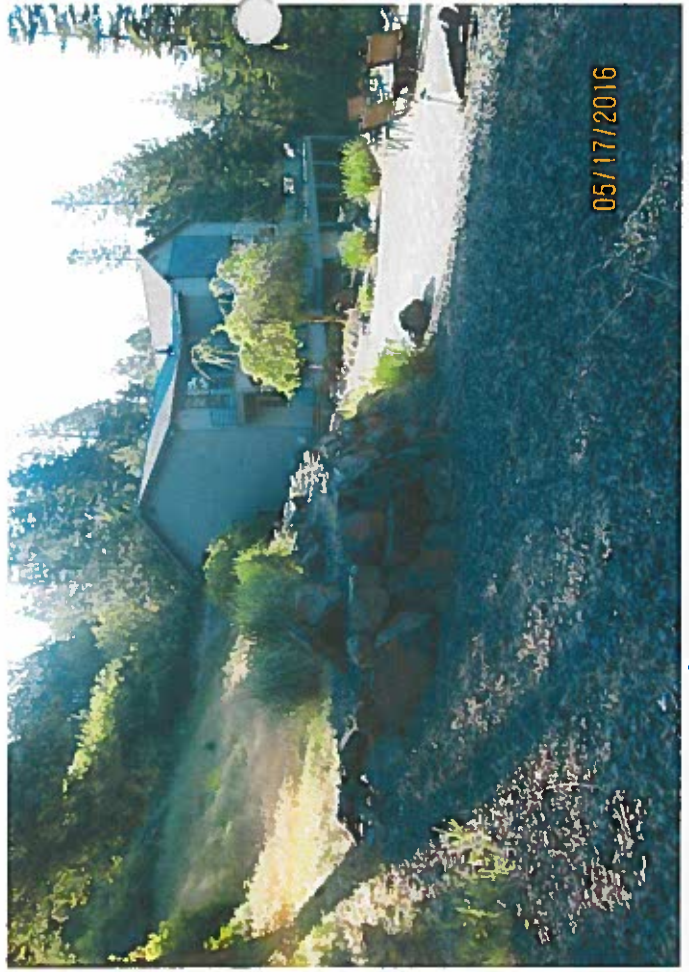


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Stub in at 5th lot

95-12887



Home 1

OCT 25 2010