

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
IN-OFFICE REVIEW/BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATIONPermit No: 96-09638

Exam Date: 11/02/18

1. Does this qualify for an in-office field exam (IDAPA 035.02.r)? X Y ___ N
a. Irrigation of 5 acres or less

2. Current Owner: Name: **Michael R. Ross**
PO Box 831
Mendocino, CA 95460

Owner of Record Correct? X Y ___ NAddress of Record Correct? X Y ___ N

If No: Address

Ownership was determined via ArcMap and County Tax Records. No dwelling is listed in county records but via Sentinel data in ArcMap I was able to determine a newer structure has appeared on the property in the last year.

3. Beneficial Use Fees have been paid: X Y ___ N Receipt No: C0

4. **SOURCE** **TRIBUTARY**

Groundwater

Method of Determination: Applicant stated that diversion would be from a well to be connected to one home. A well house may be one of the structures seen via Sentinel data in ArcMap.

Change in Source: ___ Y X ___ N**B. OVERLAP REVIEW**

1. Other water rights with the same place of use: X NO Overlap

Comments: In searching ArcMap no overlaps could be found. Two nearby Water Rights are in completely different quarter quarters.

2. Other water rights with the same point of diversion: X NO Overlap

Comments: No POD overlap. The well is on the applicants' property. No nearby Water Rights use this well.

C. DIVERSION AND DELIVERY SYSTEM1. **LOCATION OF POINT(S) OF DIVERSION:**

Source	Govt. Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.		County
Well Drilled & connected to house	n/a		NW	SE	30	59N	01W	B.M.	Bonner County
								B.M.	
								B.M.	

Method of Determination: This property is defined as a 512-Land Resid rural tract vac in the Bonner County database. Only legal description is the coordinates of 30-59N-1W S2N2N2NWSE E of Pack River Rd

Change in POD? ___ Y X ___ N Amendment Required? ___ N

2. PLACE OF USE: 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	
59N	01W	30			X											X			D
		Lot #																	
Total Acres =																			D

Method of Determination: Application and Arc Map confirm the POU is for Domestic use with allowable irrigation of less than ½ acre.

Change in POU? ____Y ____X__N Amendment Required? ____N

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
D0069749					25+ gpm

*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
N/A						

Per IDWR standard: Assume pump efficiency = 0.7 (70%) and PSI = 30psi for small irrigation. Lift estimated from Contour Elevations (GIS visual, 40 ft. min. unit) between pump and field = 40.

Well driller logs showed drawdown is 162 feet with a 25+ gpm. Assuming a 1 HP pump this calculates to .03 cfs

Measurement = .03 cfs

Permit allowed = .04 cfs

License recommend for .03 cfs.

F. VOLUME CALCULATIONS

1.2 DAN 11/13/18

2. Volume Calculations for Other Uses: Administrative Memo #22 allows for 1.29 af for domestic use which includes irrigation of less than .5 acre.

G. PURPOSE OF USE

Irrigation ____Y ____X__N # Stock _____ Domestic # of Homes 1

Other:

Change in Purpose of Use? ____Y ____X__N

Method of Determination: Determined by application and permit.

If Yes: From Use _____ To Use _____ Amount _____ CFS _____ AFA _____

H. NARRATIVE/REMARKS/COMMENTS:

The applicants submitted their statement of completion for submitting proof of beneficial use on 10/02/2018. Review of the application shows that the POD is a well drilled by Horsley Drilling under drilling permit #877247. The well tag is D0069749. The use is for 1 household including irrigation of no more than .5 acres. The total rate of diversion was .04 cfs. Based on diversion rate this qualifies for an in-house review. The owner of record is correct and address is correct based on Bonner county Parcel Information. The fees have been paid (receipt was attached). Place of use was confirmed using ArcMap and county information including Sentinel imagery. No overlap of POD or POU was evident when reviewing ArcMap data and POU/POD comparison in Workflow. Using a theoretical calculation of the information provided in the application and the well driller log flow measurement was calculated to be .03 cfs. Application and permit request .04 cfs. Flow measurement is recommended at .03 cfs.

Have conditions of permit approval been met? X Yes No

I. 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	.03 cfs	1.2 AF
<u>Totals:</u>		0.03 CFS	1.2 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

J. AUTHENTICATION Rosemary DeMond Administrative Assistant

Field Examiner's Name Rosemary DeMond Date 11/13/18

Reviewer Daniel A. Nelson Date 11-13-18

Permit 96-9638

The following image is the 2018 Sentinel imagery. It appears as though a home has been built between 2017 and 2018 in the upper tax parcel.



The image below is the 2017 aerial photo that shows that there isn't a home on the tax parcels. This image is for reference to the Sentinel imagery above.

