

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 36-16829

Exam Date: 2/5/2013

1. Current Owner: IDAHO POWER CO
C/O JON BOWLING
PO BOX 70
BOISE ID 83707
(208)388-2905

2. In house Field Exam

3. SOURCE**TRIBUTARY**

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 36-15388 (Spring), 36-2082 (irrigation, fire protection and cooling)
2. Other water rights with the same point of diversion: 36-16519 (Lapsed)

C. DIVERSION AND DELIVERY SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER

L2 NW1/4NE1/4NW1/4

Sec. 11, Twp 07S, Rge 13E, B.M.

GOODING County

Method of Determination: **Garmin GPS point and aerial imagery.**

2.

PLACE OF USE: DOMESTIC

Twp Rge Sec	NE				NW				SW				SE				Totals
07S 13E 2	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	
											X	X					
												L 7					
07S 13E 11					X	X											
					L 2	L 2											

Method of Determination: **ESRI aerial imagery.**

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>
D0044486	submersible	3			2 inch line or 70 gpm

D. FLOW MEASUREMENTS N/A**E. FLOW CALCULATIONS****Measured method**

A measurement is not required for domestic use if the diversion rate does not exceed 0.24 cfs according to the new Beneficial Use Examination Rules. Eaton Drilling indicated the system consists of one well and a 3 HP submersible pump. Eaton's also verified the well produced 70 gpm or 0.16 cfs at the time of development.

Overlapping water right 36-15388 for 0.15 cfs is from a depleted/ contaminated spring that this license seeks to replace. Considering the six homes and two additional restroom facilities it appears that the 0.16 cfs system capacity is reasonable. **Recommended rate of 0.16 cfs for domestic use.**

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: **N/A**

2. Volume Calculations for Other Uses:

Not required for domestic uses per new Beneficial Use Examination Rules implemented 3/29/2012.

G. NARRATIVE/REMARKS/COMMENTS

Application for permit 36-16829 was filed on February 25, 2010 for the diversion of 0.2 cfs of groundwater for domestic use associated with six homes and restrooms (one public restroom and a restroom in Lower Salmon Falls Dam). Permit 36-16829 was issued on April 4, 2010 and Proof of Beneficial Use was filed on September 9, 2010. This application covers an existing well that provides culinary water for employee housing (6 homes), a restroom in a park, and a restroom in Lower Salmon Dam. The well was developed under a previous permit 36-16519 that lapsed for failure to file timely proof; IPCO chose to file a new application instead of trying to get the old permit reinstated.

Eaton Drilling indicated the system consists of one well and a 3 HP submersible pump. Eaton's also verified the well produced 70 gpm or 0.16 cfs at the time of development. Considering the six homes and two additional restroom facilities it appears that the 0.16 cfs system capacity is reasonable. **Recommended rate of 0.16 cfs for domestic use for 6 homes, a public rest area and restroom in the Lower Salmon Falls Dam.**

A volume estimate is not required for domestic use per new Beneficial Use Examination Rules implemented 3/29/2012.

Note a condition limiting 36-16829 and 36-15388 to the original **six homes, rest area and restroom in the Lower Salmon Falls Dam is also recommended.** Irrigation for homes and rest areas is from surface water under right 36-2082 so condition should also state **"and does not include lawn, garden, landscape, or other types of irrigation"**. It is also recommended that the **measuring device condition and Water District 130 flag be removed** from the license for non jurisdictional purposes.

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>
DOMESTIC	01/01 to 12/31	0.160 CFS
<u>Totals:</u>		0.160 CFS

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 Other

I. AUTHENTICATION

Field Examiner's Name

Sara Feeder

Date

4/15/13

Reviewer

Chris Merritt

Date

4/16/13



Restroom facility
in Lower Salmon Falls Dam

6 homes

Public Restroom

Well

Drilling Permit No.: 847611

Well ID: 417596

Metal Tag No.: D0044486

**STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
Well Driller Report**

Printed: 04/10/2013

Well Location: T: 07S, R: 13E, S: 11, QQQ: , QQ: NE, Q: NW
Latitude 42° 50.407' Longitude -114° 54.088'
County: GOODING

Street Address of Well Site: 902 D JUSTICE GRADE
HAGERMAN, ID

Lot: Block:
Subdivision:

Use of Well: Domestic
Activity: New Well

Well Drilling Company: EATON DRILLING & PUMP SERVICE (26)
Driller Name: LARRY M NIELSON (2444)
Certifying Operator: DAVID CROSBY (2030)
Construction Method: Air Rotary

Const Start Date: 7/10/2007 Const End Date: 7/10/2007
Date Received: 8/17/2007

Surface Diameter: 8 Inches
Drilled Depth: 305 Feet Completed Depth: 305 Feet

Static Water Level: 70 Feet
Closed in Pressure: psi Production Rate: 70 gpm

Discharge Temperature: ° F Bottom Hole Temp.: ° F
Low Temp Geothermal: No

Drive Shoe Used:

Sealing Procedure

Material	From (ft)	To (ft)	Amount	Method
Bentonite granuals	0	70	1000	Pour

36-16829 (replaces 36-15388) ^{spring} depleted

overlaps POD 36-~~16829~~ (lapsed)
16519

Eaton Drilling - Penny 4/10/13

3 HP

2" Line

70 gpm = 0.16 cfs

IDWB Standards Le homes 0.11 cfs

Eaton Drilling
536-2223