

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 37-8875

Exam Date: May 9, 2012
(remote exam)

1. Current Owner: PICABO LIVESTOCK CO INC
PO BOX 688
PICABO ID 83348
(208)788-3530
2. Accompanied by: Nick Purdy
Phone No: 720-5150
Email Address: nick@purdyent.com
Relationship to Permit Holder: owner

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: 63-11631 (decreed for 0.06 cfs and two homes)

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

GROUND WATER SW1/4SE1/4 Sec. 19, Twp 01S, Rge 20E, B.M. BLAINE County

Method of Determination: Aerial Imagery, Nick pointed out PD on a map

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	
01S	20E	19																	
01S	20E	30		X			X										X		

Method of Determination: Verification with Nick.

3. ☒ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required).
- ☒ Aerial Photo Attached (required for irrigation of 10+ acres).

A field inspection was not completed for this permit. Pursuant to Rule 35.01.r of the Beneficial Use Rules, a field visit isn't necessary. I confirmed pertinent information in person with Nick Purdy while meeting regarding the city of Picabo's municipal right.

4.

<u>Well or Diversion</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge Size</u>
ORIGINAL WELL		1 1/2			

DID NOT HAVE A TAG#. IN ADDITION, NO PUMP SPECS OF THE ORIGINAL PUMP WERE AVAILABLE, JUST HP.

D. FLOW MEASUREMENTS

1.

<u>Measurement Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
NA—NO MEASUREMENT POSSIBLE ON ORIGINAL SYSTEM						

2. Measurements: NA

E. FLOW CALCULATIONS

NA Additional Computation Sheets Attached

Measured Method: System information provided by Nick Purdy

hP= 1½

Depth to water = water at 20-30 feet (well was hand dug) the well had a depth of 90'

psi= 20 (standard for in-home domestic use)

efficiency = assumed to be 0.7 (standard per IDWR field examiner's handbook)

$$\frac{8.8 \times 0.7 \times 1\frac{1}{2}}{20 + (2.31 \times 20)} = \frac{9.24}{66.2} = 0.14 \text{ cfs}$$

$$20 + (2.31 \times 20) = 66.2$$

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: NA

2. Volume Calculations for Other Uses: 3 homes for indoor use only x 0.6 af = 1.8 af (the other 2 homes are covered by overlapping right)

G. NARRATIVE/REMARKS/COMMENTS

Recently, the original well was abandoned. The old well was getting contaminated by a pond that is near the original well site. The original well pulled water from ~20-30' and was no longer safe to provide for the homes.

A new well was drilled in 2011 to replace the original well. The new well's tag # is D0060601. This permit will be licensed with the location of the new well (only ~100 YDS from the original well's location) and will be limited to the diversion rate of the original system.

The five homes that are associated with this permit use surface water to irrigate the lawns; no groundwater is used for irrigation purposes.

The estimated diversion rate for the old well is 0.14 cfs. Decreed right 37-11631, that shares a PD with this permit, has a diversion rate of 0.06 cfs. This permit will be issued for 0.08 cfs, as permitted, and will be limited to 0.11 cfs (the duty of water) and 5 homes when combined with 37-11631.

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	0.080 CFS	1.8 AF
<u>Totals:</u>		0.080 CFS	1.8 AF

2. Recommended Amendments

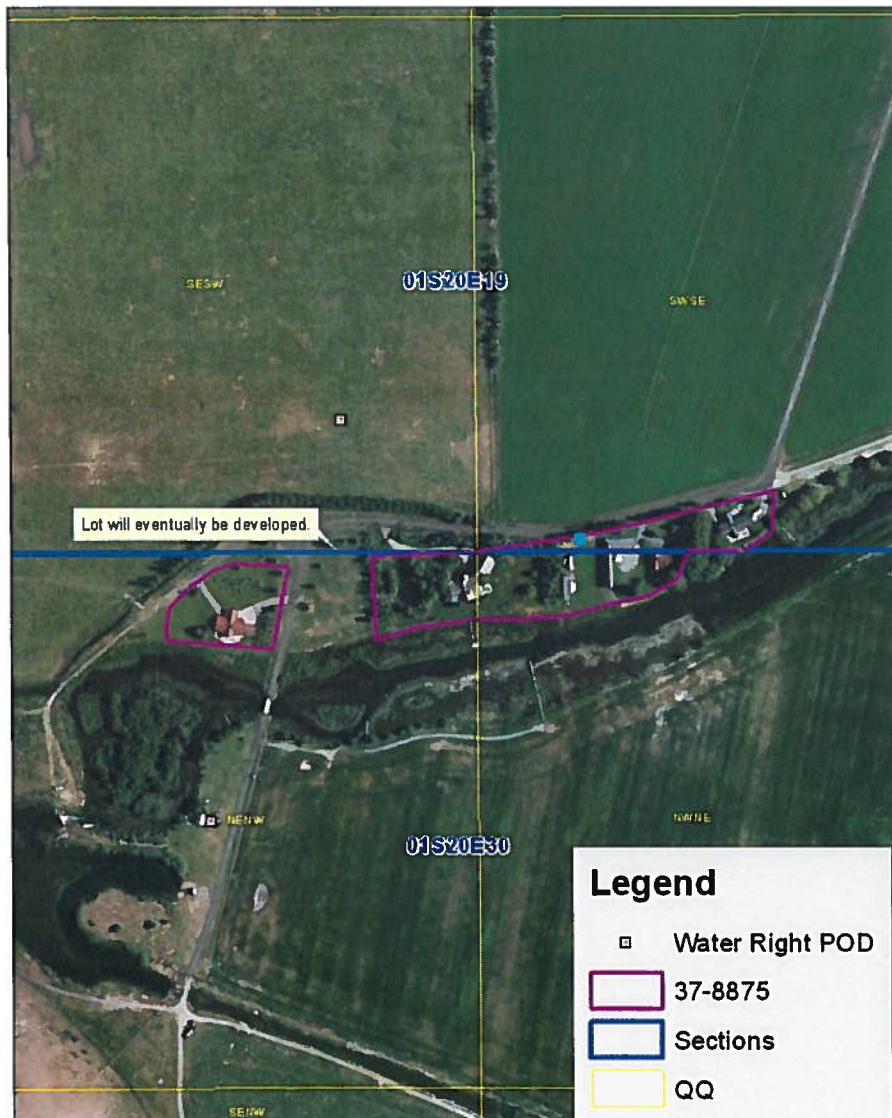
☒ Change P.D. as reflected above ☐ Add P.D. as reflected above ☐ None

☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name Cherie Blum Date 6/5/2012

Reviewer _____ Date _____

POU AND PD FOR 37-8875

SESW

SWSE 01S20E19

PD

NENW

NWNE 01S20E30

↑
N



Overlap analysis for 37-8875

Type	WR #	Owner	Source	TRS	SESW	SWSE	Significant Overlap? y/n
Rec	37 186	PICABO LIVESTOCK CO INC,	LOVING CREEK, SILVER CREEK	01S20E19	X	X	N
Rec	37 187	PICABO LIVESTOCK CO INC,	LOVING CREEK, SILVER CREEK	01S20E19	X	X	N
Rec	37 189	PICABO LIVESTOCK CO INC,	LOVING CREEK, SILVER CREEK	01S20E19	X	X	N
Rec	37 213	PICABO LIVESTOCK CO INC,	LOVING CREEK, SILVER CREEK	01S20E19	X	X	N
Rec	37 215D	PICABO LIVESTOCK CO INC,	LOVING CREEK, SILVER CREEK	01S20E19	X	X	N
Rec	37 377	PICABO LIVESTOCK CO INC,	LOVING CREEK, SILVER CREEK	01S20E19	X	X	N
Rec	37 378	PICABO LIVESTOCK CO INC,	LOVING CREEK, SILVER CREEK	01S20E19	X	X	N
Rec	37 2405	PICABO LIVESTOCK CO INC,	LOVING CREEK, SILVER CREEK	01S20E19	X	X	N
Rec	37 11892	PICABO LIVESTOCK CO INC,	LOVING CREEK, SILVER CREEK	01S20E19	X	X	N
Rec	37 11900	PICABO LIVESTOCK CO INC,	LOVING CREEK, SILVER CREEK	01S20E19	X	X	N
Rec	37 11903	PICABO LIVESTOCK CO INC,	LOVING CREEK, SILVER CREEK	01S20E19	X	X	N
Rec	37 20609	PICABO LIVESTOCK CO INC,	LOVING CREEK, SILVER CREEK	01S20E19	X	X	N
Right	37 11631	PICABO LIVESTOCK CO INC,	GROUND WATER	01S20E19		X	Y
Right	37 8875	PICABO LIVESTOCK CO INC,	GROUND WATER	01S20E19		X	

Type	WR #	Owner	Source	TRS	NWNE	NENW	
Permit	37 8875	PICABO LIVESTOCK CO INC,	GROUND WATER	01S20E30	X	X	
Rec	37 186	PICABO LIVESTOCK CO INC,	LOVING CREEK, SILVER CREEK	01S20E30	X	X	N
Rec	37 187	PICABO LIVESTOCK CO INC,	LOVING CREEK, SILVER CREEK	01S20E30	X	X	N
Rec	37 189	PICABO LIVESTOCK CO INC,	LOVING CREEK, SILVER CREEK	01S20E30	X	X	N
Rec	37 213	PICABO LIVESTOCK CO INC,	LOVING CREEK, SILVER CREEK	01S20E30	X	X	N
Rec	37 215D	PICABO LIVESTOCK CO INC,	LOVING CREEK, SILVER CREEK	01S20E30	X	X	N
Rec	37 377	PICABO LIVESTOCK CO INC,	LOVING CREEK, SILVER CREEK	01S20E30	X	X	N
Rec	37 378	PICABO LIVESTOCK CO INC,	LOVING CREEK, SILVER CREEK	01S20E30	X	X	N
Rec	37 2405	PICABO LIVESTOCK CO INC,	LOVING CREEK, SILVER CREEK	01S20E30	X	X	N
Rec	37 11892	PICABO LIVESTOCK CO INC,	LOVING CREEK, SILVER CREEK	01S20E30	X	X	N
Rec	37 11900	PICABO LIVESTOCK CO INC,	LOVING CREEK, SILVER CREEK	01S20E30	X	X	N
Rec	37 11903	PICABO LIVESTOCK CO INC,	LOVING CREEK, SILVER CREEK	01S20E30	X	X	N
Rec	37 20609	PICABO LIVESTOCK CO INC,	LOVING CREEK, SILVER CREEK	01S20E30	X	X	N
Right	37 11631	PICABO LIVESTOCK CO INC,	GROUND WATER	01S20E30	x	X	Y

All Picabo Livestock Co Inc rights are stockwater and irrigation.

Water Right 37-11631 is for domestic and stockwater--this right covers 2 of the 3 cabins. There is no POU overlap but 37-11631 shares the same PD

IDAHO DEPARTMENT OF WATER RESOURCES

Water Right Report 37-11631

WATER RIGHT NUMBER: 37-11631

Owner Type Name and Address
 Current Owner PICABO LIVESTOCK CO INC

Priority Date: 06/01/1959

Basis: Decreed

Status: Active

Source Tributary
 GROUND WATER

<u>Beneficial Use</u>	<u>From</u> <u>To</u>	<u>Diversion Rate</u>	<u>Annual Volume</u>
DOMESTIC	1/01 to 12/31	0.060 CFS	
STOCKWATER	11/01 to 4/01	0.060 CFS	
	<u>Total Diversion:</u>	0.060 CFS	

Location of Point(s) of Diversion

GROUND WATER SE1/4SE1/4SW1/4 Sec. 19, Twp 01S, Rge 20E, B.M.
 BLAINE County

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	
01S	20E	19																X	
01S	20E	30		X															

STOCKWATER

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
01S	20E	30						X											

Conditions of Approval:

1. PARCEL NOS. RP01S200191970A, RP01S200302180A STOCKWATER, 400 RANGE CATTLE
2. C18 THIS PARTIAL DECREE IS SUBJECT TO SUCH GENERAL PROVISIONS NECESSARY FOR THE DEFINITION OF THE RIGHTS OR FOR THE EFFICIENT ADMINISTRATION OF THE WATER RIGHTS AS MAY BE ULTIMATELY DETERMINED BY THE COURT AT A POINT IN TIME NO LATER THAN THE ENTRY OF A FINAL UNIFIED DECREE. SECTION 42-1412(6), IDAHO CODE.
3. N11 THE QUANTITY OF WATER DECREEED FOR THIS WATER RIGHT IS NOT A DETERMINATION OF HISTORICAL BENEFICIAL USE.
4. N13 THE QUANTITY OF WATER UNDER THIS RIGHT SHALL NOT EXCEED 13,000 GALLONS PER DAY.

Dates and Other Information:

Decreed Date: 1/5/2001

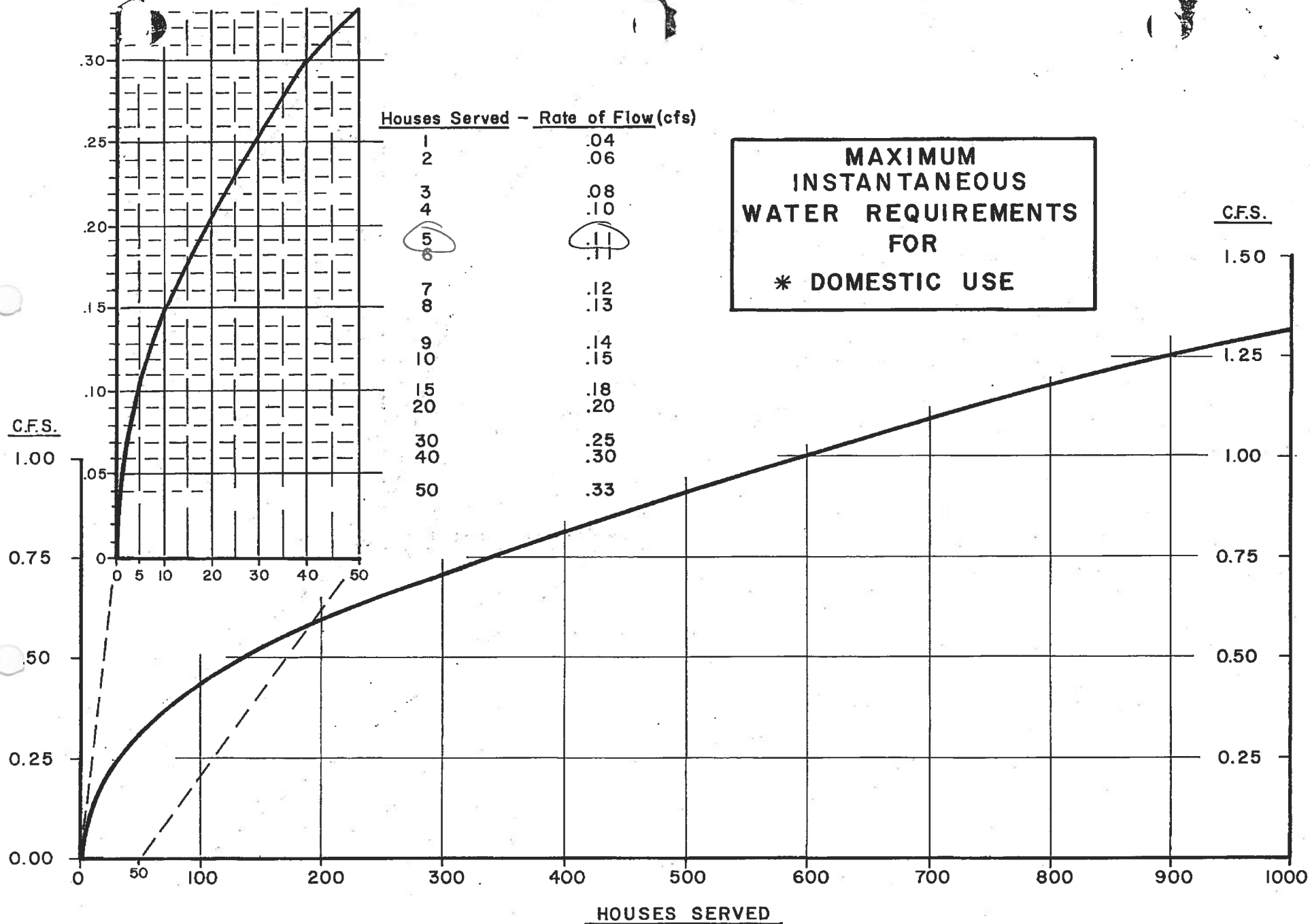


FIG. 1.

* From Community Water Systems Source Book, J. Ameen, 1977, Technical Proceedings, North Carolina.)