

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED

SEP 29 2005

Department of Water Resources

A. GENERAL INFORMATION

1. Owner: Robert C. Rheal Permit No. 63-10272
Current Address: 700 E. McMillan Meridian ID 83642 Phone No. 888-4153
2. Accompanied by: Daryl Rheal EXAM. DATE: 8/27/91
Address: _____ Phone No. _____
Relationship to Permit Holder: Son's Agent
3. Source: Little Camas Cr. tributary to S. Fork Boise Reservoir

B. OVERLAP REVIEW

1. Other water rights with same place of use: _____
_____ ☐ Copies Attached
2. Other water rights with same point of diversion: _____
_____ ☐ Copies Attached ☐ Copies of Field Exam's Attached

C. SYSTEM DESCRIPTION

1. **Diversion System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable. ☐ Alternative diagram attached

See Dam safety file 063-9672
(water right 63-09672 has (apex)
fur into about dam & Reservoir
* See Exam 63-08067 for ~~top~~ orthophoto,
AISC photo, photographs etc.

Scale: 1" = NOT TO SCALE

- * ☒ Copy of U.S.G.S. Quadrangle Attached Showing location(s) of point(s) of diversion and place(s) of use (required). ☒ Aerial Photo Attached (required for irrigation of 10 acres or more).
☒ Photo of Diversion and System Attached (required for all but single household domestic groundwater, and stockwater).

System Description (continued)

3. **Narrative:** Description (As operating at time of measurement. Indicate pressure, number of sprinklers, etc.)

☐ See Remarks on page 4 for continuation

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size

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

5. **Point(s) of Diversion:**

Ident. No.	Gov't. Lot	¼	¼	¼	Sec.	Twp.	Rge.	County	Method of Determination/Remarks

6. **Place(s) of Use:**

Indicate Method of Determination _____

Twp.	Rge.	Sec.	NE¼				NW¼				SW¼				SE¼				Totals
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	

Do not use this space

Do not use this space

D. FLOW MEASUREMENTS

☐ Additional Data Sheets Attached

1.

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

2. Measurements:

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

1. Measured Method:

2. Alternate Method for Checking Purposes:

F. PUMP EFFICIENCY DATA (Optional)

Discharge Pressure: _____ psi x 2.31 = _____ ft (1); Dynamic pumping level: _____ ft (2)

Total Head: (1) + (2) = _____ (3) ; Flow rate: _____ cfs (4)

Water HP: (3) x (4) ÷ 8.8 = _____ (5)

Meter Input KW: 3.6 x _____ KH x _____ CTR or _____ MULT x _____ PTR x _____ N/ _____ T = _____ (6)

Meter Input HP: (6) x 1.34 = _____ (7)

Panel Input KW: _____ Ave PF x _____ Ave Volts x _____ Ave Ampsx .001732 = _____ (6)

Panel Input HP: (6) x 1.34 = _____ (7) Efficiency: (5)/(7) x 100 = _____ %

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$ _____

$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 =$ _____

$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} =$ _____

2. Volume Calculations for Other Uses:

H. REMARKS AND OVERLAP REVIEW ANALYSIS

Tributary to S. Fork Boise River at Anderson Ranch Reservoir
Reservoir water can be co-mingled with groundwater (4 existing wells,
1 proposed well) & applied to all of farm via buried
mainlines & portable hand lines.

I. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Irrigation Storage	1/1	10/31	—	380
Irrigation from Storage			—	380
Totals:			—	380

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 |

J. AUTHENTICATION

Field Examiner's Name Steve Lester

Signature [Signature]

Certification Date _____

Field Report Preparation Date _____

CONSULTANT SEAL

- K. Licensing recommendation shall be prepared by an Idaho Department of Water Resources employee on a computer printout attached hereto.

INVENTORY OF DAMS BY DAM NAME

28-Mar-1990

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*****
DAM NAME                NUMBER      NAME OF OWNER      COUNTY      STREAM      IDF      LOCATION
INSP          DAM  DAM  STORAGE  HEIGHT  DRAINAGE  RES AREA  YEAR  CREST  -----SPILLWAY-----      CERT
DATE  PURPOSE  RISK  SIZE  TYPE  AC-FT      FT      SQ-MI  ACRES  COMP  LEN-FT  TYPE  DEPTH-FT  DISC-CFS  IDF-CFS  COND  EXPIR
*****
PORO          888  I    3    3    D65-2937  HEIKKILA AND UMBACH  VALLEY  JUG CREEK  Q50  32-18N-04E
      888      1    3    3    EARTH  59  17.0  3.6  9  1947  240  RKCHAN  5.0  142  165  FR  1190
POT HOLE CREEK  885  S    3    2    D51-2235  U S BUREAU OF LAND MGMT  OWYHEE  POT HOLE CREEK  Q100  26-08S-08E
      885      3    2    2    EARTH  468  19.0  125.0  68  1941  192  RKCHAN  5.0  560  0  GD  1190
RHEAD RANCH    687  I    3    2    D63-9672  ROBERT RHEAD  ELMORE  LITTLE CAMAS CREEK  Q100  09-01S-09E
      687      3    2    2    EARTH  380  27.0  41.0  32  1974  230  RKCHAN  7.6  840  0  GD  1189
RIO VISTA      888  R    2    3    D65-7558  RIO VISTA PROPERTY OWNERS ASSN  VALLEY  N FK PAYETTE RIVER (OS)  Q100  17-18N-03E
      888      2    3    3    EARTH  41  12.0  0.5  11  1971  600  RPCHAN  8.0  268  40  GD  1190
ROBERTS        887  IR   3    3    D65-7225  ORVILLE ROBERTS  VALLEY  ROBERTS CK (CONTRL INFLOW)  Q50  35-16N-03E
      887      3    3    3    EARTH  8  12.0  0.2  2  1977  150  GLHOLE  3.5  21  0  GD  1187
ROBINSON        787  HD   3    3    D67-2394  LEE THORSON  WASHINGTON  ROBINSON CREEK  Q50  12-14N-06W
      787      3    3    3    EARTH  40  14.0  1.3  5  1947  120  CHNAFD  3.5  44  100  GD  1192
ROBINSON DIKE  0  B    2    3    D77-7226C  CANYON RESOURCES CORP  IDAHO  COMSTOCK CREEK (OS)  Q100  10-25N-08E
      0      2    3    3    EARTH  3  13.0  0.0  0  PROP  225  PIPE  2.0  0  0  UF  0
ROBINSON DIKE  0  B    2    2    D77-7226A  CANYON RESOURCES CORP  IDAHO  COMSTOCK CREEK (OS)  Q500  10-25N-08E
      0      2    2    2    EARTH  13  30.0  0.0  3  PROP  0  PIPE  2.0  0  0  UF  0
ROBINSON DIKE  0  B    2    3    D77-7226B  CANYON RESOURCES CORP  IDAHO  COMSTOCK CREEK (OS)  Q100  10-25N-08E
      0      2    3    3    EARTH  4  8.0  0.0  0  PROP  270  PIPE  2.0  0  0  UF  0
ROBINSON DIKE  0  B    2    2    D77-7226D  CANYON RESOURCES CORP  IDAHO  COMSTOCK CREEK (OS)  Q500  10-25N-08E
      0      2    2    2    EARTH  6  30.0  0.0  0  PROP  250  ERCHAN  2.0  0  0  UF  0
ROCK CREEK (TRIANGLE)  687  I    2    2    D55-2208  JOHN GILBERT & CHARLES STEINER  OWYHEE  ROCK AND LOUISA CREEKS  Q500  30-07S-02W
      687      2    2    2    EARTH  1184  29.0  54.0  74  1965  461  RPCHAN  7.6  1440  1730  GD  1189
RUSKA          0  I    3    3    D65-12314  GLEN J RUSKA  VALLEY  TR-BOULDER CK (IRR WASTE)  Q50  01-17N-03E
      0      3    3    3    EARTH  25  10.0  0.1  7  PROP  500  ERCHAN  4.0  17  0  UF  0
SAGE HEN       788  L    2    1    D65-2925  SQUAW CREEK IRRIGATION CO  GEM  SAGE HEN CREEK  0.5 PMF  34-12N-02E
      788      2    1    1    EARTH  5210  35.0  10.5  238  1938  370  CNCHAN  9.0  2090  3725  GD  1190
SCHWILLING     687  J    3    3    D67-7448  JOE A SCHWILLING  ADAMS  LESTER CREEK  Q50  26-16N-01W
      687      3    3    3    EARTH  10  14.0  3.5  2  1983  275  RPCHAN  4.0  193  0  NA  0
SCOTT CREEK    1088  I    2    3    D67-7293  H-J-H CO  WASHINGTON  SCOTT CREEK  Q100  11-11N-06W
      1088      2    3    3    EARTH  90  16.0  13.2  14  1977  3450  RPCHAN  5.5  427  350  GD  1190
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D63-09672
LAB seal

Permit
63-10272
Now covers the
380 a.f. id
reservoir
11-10/31
Storage & Irrig.
from