

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 23-11333

Exam Date: 5/24/2007

1. Current Owner: TOM SUMMERS
5505 JUPITER HILLS DR
IDAHO FALLS ID 83401
(208)527-5523
2. Accompanied by: Tom Summers
Phone No: Same as Owner
Address: Same as Owner
Relationship to Permit Holder: Self

3. **SOURCE**

LITTLE PINE CREEK

TRIBUTARY

ANTELOPE CREEK

B. OVERLAP REVIEW

1. Other water rights with the same place of use: Yes See Attached
2. Other water rights with the same point of diversion: No

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

LITTLE PINE CREEK

SE1/4NW1/4SW1/4

Sec. 29, Twp 03N, Rge 42E, B.M.

BONNEVILLE County

Method of Determination: Field examination and utilization of GPS

2.

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			<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>	
03N	42E	29									5.1	7.5	7.6						20.2

Total Acres: 20.2

Method of Determination: Field examination and aerial photography

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 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 Size</u>
702818	Rockford		577115	Berkeley	PTA 44079

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

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>
Fuji Flowmeter	Ultrasonic	Fuji				

2. Measurements:

0.19 cfs at 30 PSI

0.22 cfs at 40 PSI

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

Measured Method: Flow meter through pipe

0.22 CFS measured for 40 PSI which is standard running conditions, limited to 0.20 CFS by permit

F. 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:

G. NARRATIVE/REMARKS/COMMENTS

Waters are diverted from the creek into a ditch to the Place of Use. At the Place of Use the water is pumped into a mainline which connects to handlines. A fuji Flow meter with FLD12 sensor was used to determine the flow rate through the pipe during the beneficial use field exam was conducted. During the time of Exam the user had on 9/64 nozzles, whereas typically they use 5/32 nozzles. A cfs reading was taken for both a 30 PSI which is used for the 9/64 nozzles, and a 40 PSI reading as reading 2 which is used for the 5/32 nozzles.

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>
IRRIGATION	04/15 to 10/31	0.200 CFS	
<u>Totals:</u>		0.200 CFS	

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 Nate Arave Date 5/24/2007

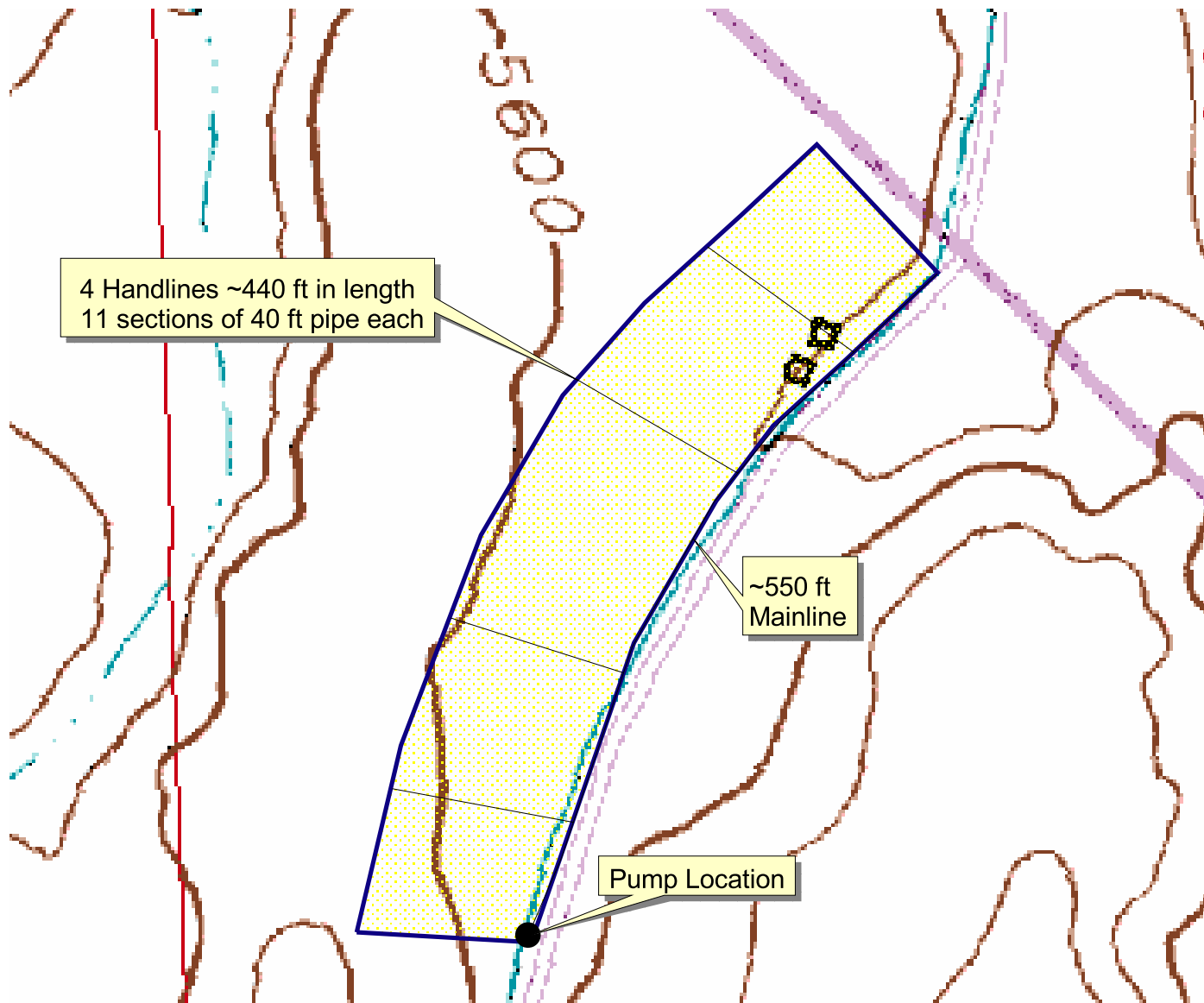
Reviewer Nate Arave Date 5/31/2007

Diagram of Delivery System

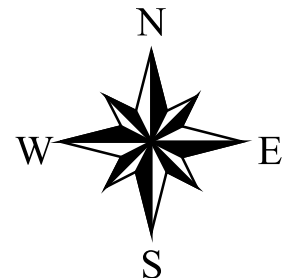
WR 23-11333

Prepared By: NARAVE

5/31/2007



0.1 0 0.1 0.2 Miles













ROCKFORD®

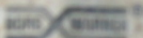
POWER TAKE-OFF

PTA 41079

Rockford Clutch

577115

MODEL



SERIAL NO.

- CAUTION** - FOR IN-LINE DRIVES, SEE INSTRUCTION BOOKLET.
- IMPORTANT** - MAINTAIN CLUTCH ADJUSTMENT. IF CLUTCH HEATS OR DOES NOT PULL, ADJUSTMENT IS NECESSARY.
- ADJUSTMENT** - REMOVE COVER AND TURN THE NOTCHED ADJUSTMENT RING UNTIL A FIRM PRESSURE IS REQUIRED TO ENGAGE CLUTCH. ALSO SEE MAINTENANCE INSTRUCTION BOOKLET.
- LUBRICATION** - LUBRICATE BRONZE CLUTCH THROWOUT BEARING DAILY. SHAFT BEARING EVERY 50 HOURS OF OPERATION. BALL TYPE THROWOUT BEARING REQUIRES NO LUBRICATION. GEAR REDUCTION-USE S.A.E. 30 OIL IN GEAR BOX AND KEEP FILLED TO OIL LEVEL.

PT-1593-2





Comment Report

23-11333

1. narave 5/31/2007 Field Report Narrative

Comment: Waters are diverted from the creek into a ditch to the Place of Use. At the Place of Use the water is pumped into a mainline which connects to handlines. A fuji Flow meter with FLD12 sensor was used to determine the flow rate through the pipe during the beneficial use field exam was conducted. During the time of Exam the user had on 9/64 nozzles, whereas typically they use 5/32 nozzles. A cfs reading was taken for both a 30 PSI which is used for the 9/64 nozzles, and a 40 PSI reading as reading 2 which is used for the 5/32 nozzles.

2. narave 5/31/2007 POD

Comment: Updated shape

3. narave 5/31/2007 POU

Comment: Updated Shape

4. narave 5/31/2007 POU

Comment: Updated PLS

5. narave 5/31/2007 POU Comparison

Comment: The overlapping place of use is WR 23-10061

6. eretelle 12/21/2005 POD

Comment: Updated shape

7. eretelle 12/22/2005 POU

Comment: Updated Shape

8. scox 10/25/2005 8:51:33 AM Special Administration Area Notes

Comment: Special Administration Areas : Eastern Snake River Plain Area (Moratorium Area)

Exempt: Y

Reason:

Doc Attached:

Explanation:

Special Administration Areas : Non Trust Water Area (Non Trust Water Area)

Exempt: Y

Reason:

Doc Attached:

Explanation:

9. eretelle 12/21/2005 permit review

Comment: WD 01, ESRP, Non-Trust area. Conditioned to self-mitigate by mandatory rental of storage water.

No overlap or protest.

Recommend approval as suggested by IDWR Eastern.

Type	WR #	Owner	Source	TRS	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	Total
Right	23 2010	ESTATE OF AARON W HARROP,	ANTELOPE CREEK, PINE CREEK	03N42E29	35	35	35	35	37			40									147
Right	23 10061	DWAYNE E SUMMERS, BURL L SUMMERS,	LITTLE PINE CREEK	03N42E29											X						0
Permit	23 11333	TOM SUMMERS,	LITTLE PINE CREEK	03N42E29									6	7.4	6.8						20.2