

Permit No: 21-7055

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DEPARTMENT OF
WATER RESOURCES

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 21-7055

Exam Date: 7/2004

1. Current Owner: HENRYS FORK RANCH
BOX 488
S YELLOWSTONE HWY
REXBURG ID 83440

2. Accompanied by: TALKED TO MRS LEE
Phone No:
Address:
Relationship to Permit Holder:

3. SOURCE TRIBUTARY
HENRYS FORK SNAKE RIVER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: storage Rights
2. Other water rights with the same point of diversion: NONE

C. DIVERSION AND DELIVERY SYSTEM

1. LOCATION OF POINT(S) OF DIVERSION:

HENRYS FORK L7 SE1/4NE1/4 Sec. 13, Twp 09N, Rge 42E, B.M.
FREMONT County

Method of Determination: FE/GPS

2.

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
09N	42E	12																16.0	16.0
09N	42E	13	26.0			10.0													36.0
						L 7													
09N	43E	7											3.0						3.0
													L 4						
09N	43E	18						13.0	16.0		4.0								33.0
								L 1	L 2		L 3								

Total Acres: 88

Method of Determination:

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>
	GE	60hp		National	

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

D. FLOW MEASUREMENTS

1.

<u>Measurement</u> <u>Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>

2. Measurements:

$$CFS = \frac{(60)(6.16)}{125' + 2.31(60)} = 1.40 \text{ CFS}$$

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

Measured Method:

the highest point on the field is at 5450'

the lowest point on the field is at 5200'

the pump is at 5150. Used 125' pumping lift for the lowest set of fields. The previous measurement was pumping to the highest fields.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 88 \times 3.5 = 308$$

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

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 308$$

2. Volume Calculations for Other Uses:

G. NARRATIVE/REMARKS/COMMENTS

60 hp GE motor/national pump in the henrys fork to mainline and sprinklers.
owns storage rights in order to use this pump.

Now in CRP.

This land is at an elevation of 5200 to 5450 feet above sea level. pump is at 5150 feet.
used these figures to make a theoretical calculation of CFS

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	04/01 to 10/31	1.400 CFS	308.00 AF
<u>Totals:</u>		1.400 CFS	308.00 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 DAVE CARLSON Date 8/13/2004

Reviewer _____ Date _____



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DC 7/2004

POD

21-7055

pow/pod

