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DEPARTMENT OF
Page WATER RESOURCES

Permit No: 22-7292

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 22-7292

Exam Date: 6/17/1994

1. Current Owner: COUNTY OF MADISON
134 E MAIN ST
PO BOX 389
REXBURG ID 83440
(208)356-3662

6/2004

2. Accompanied by: NONE
Phone No:
Address:
Relationship to Permit Holder:

TALKED WITH JOHN MILLAR
CITY OF REXBURG3. SOURCE

UNNAMED SLOUGH

TRIBUTARY

SOUTH TETON RIVER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 22-7571, 22-203, 204c
2. Other water rights with the same point of diversion: 22-203, 204c

C. DIVERSION AND DELIVERY SYSTEM

1. LOCATION OF POINT(S) OF DIVERSION:

UNNAMED SLOUGH

NW1/4NW1/4

Sec. 24, Twp 06N, Rge 39E, B.M.

MADISON County

Method of Determination:

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	
06N 39E 13									17.0	24.0	21.0	16.0					78.0
06N 39E 24					10.0	32.0											42.0

Total Acres: 120

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No. 22-7292

1. Owner: MADISON COUNTY Phone No. _____

Current Address: _____

2. Accompanied by: BOB A. HARRIS and JASON B. HARRIS EXAM. DATE: July 24, 1987

Address: 419 W. MAIN REXBURG, ID. Phone No. 356-8620

Relationship to Permit Holder: GRANDSON Nephew. Second Exam JUNE 17, 1994 (PM)

3. Source: _____ tributary to _____

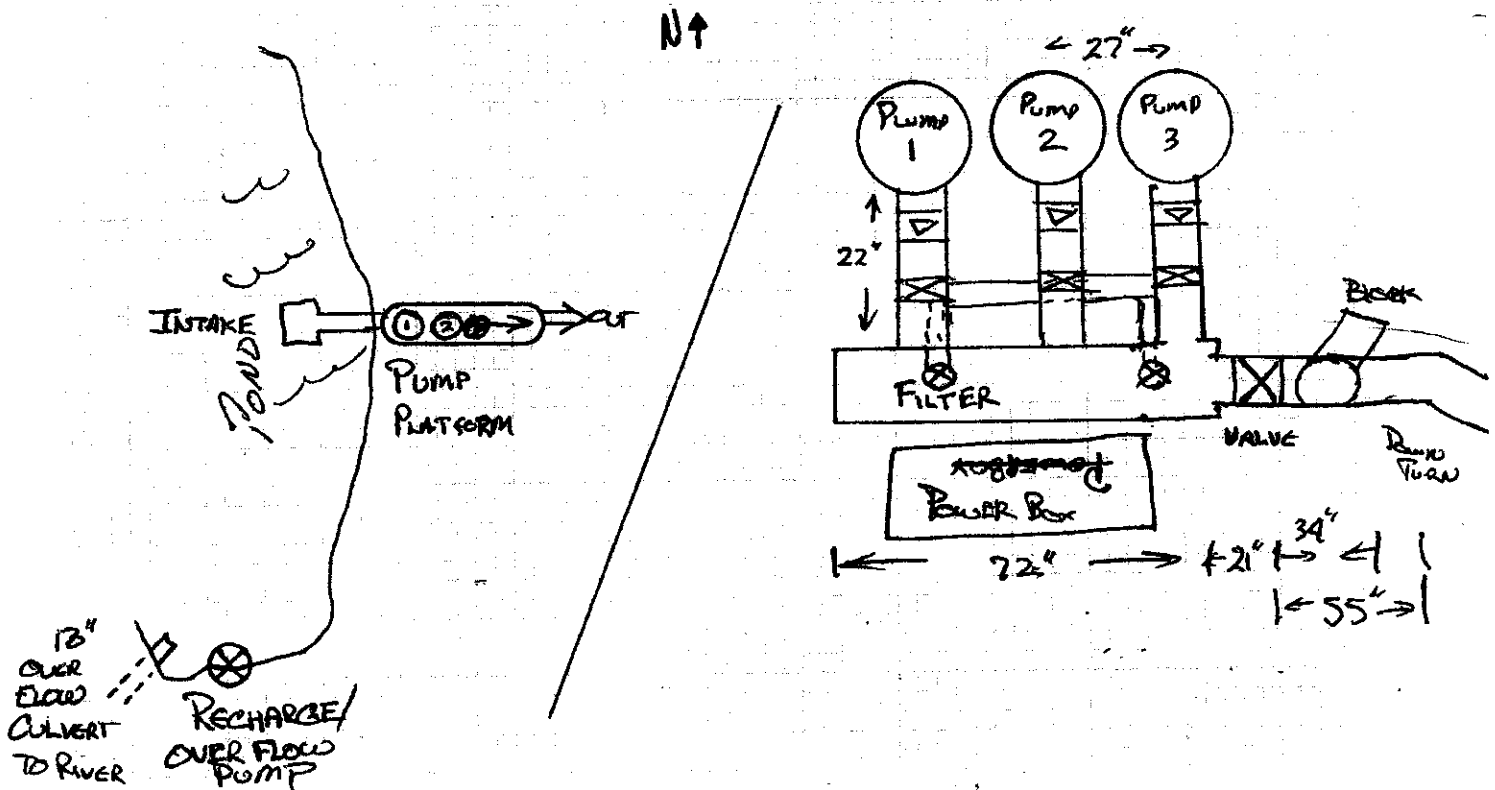
B. OVERLAP REVIEW

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



Scale: 1" = _____

2. ☐ 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).

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 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>
	Westinghouse	60 hp			
	"	60 hp			
	"	20 hp			

*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>

2. Measurements:

$$CFS = \frac{140 \text{ hp} \times 6.16}{20 \text{ lift} \times (85 \text{ ft} \times (2.31))} = \frac{862.4}{216} = 4.00 \text{ CFS}$$

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

Measured Method:

20 hp pump read - 280 gpm -

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 120 \times 3.5 = 420$$

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

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 420$$

2. Volume Calculations for Other Uses:

golf courses can have higher diversion rates than 0.02 cfs/acres

G. NARRATIVE/REMARKS/COMMENTS

three pumps to sprinkler system on golf course. they pump from a slough that is trib to south teton river. there is an inlet from south teton river into the slough and a pump from the slough back to the south teton river. A well also pumps water into the slough for irrigation of the golf course. city of rexburg has filled 22-203 and 22-204c to cover this diversion.

GW rights 22-7571 is for irrigation of the golf course. pod is in the wrong place.

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	2.600 CFS	420.00 AF
<u>Totals:</u>		2.600 CFS	420.00 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 CRACKSON Date 7/13/2004

Reviewer _____ Date _____



22-7292 - 3 pumps

2L-7292

