

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 22-7507

Exam Date: 8/2008

1. Current Owner: RICHARD F SMITH
PO BOX 8
REXBURG ID 83440
(208)356-4912

2. Accompanied by: Richard Smith
Phone No:
Address:
Relationship to Permit Holder:

3. SOURCE**TRIBUTARY**

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: 22-7075, 2184, 2230, 1147, 11149

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

GROUND WATER	SW1/4SE1/4SW1/4	Sec. 28, Twp 06N, Rge 40E, B.M.
MADISON County		
GROUND WATER	SE1/4NE1/4SW1/4	Sec. 33, Twp 06N, Rge 40E, B.M.
MADISON County		

Method of Determination: GPS/FE

2.

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Totals
06N	40E	32	38.0			40.0									40.0			39.0	157.0

Total Acres: 157

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>
A0015901	US Motors	500 hp		Peerless	
A00300	US Motors	400 hp		Peerless	

*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:

FUJI METER READING EACH PIVOT RUNNING
10085 cfs 4870 gpm

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

Measured Method:

FUJI SONIC METER

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 157 \times 3.5 = 549.5$$

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

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 549.5$$

2. Volume Calculations for Other Uses:

G. NARRATIVE/REMARKS/COMMENTS

two wells/pumps to a combined system. measured 10.85 cfs from these two wells. Combined use with 22-2184, 22-2230, 22-7075, 22-11147, 22-11149 SRBA recommendations. Same wells except the SRBA recommendations included a domestic well that irrigates a lawn. the recommendation will have to be modified after this license is issue to correct the overlapping conditions.

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	3.160 CFS	549.50 AF
<u>Totals:</u>		3.160 CFS	549.50 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 10/2007

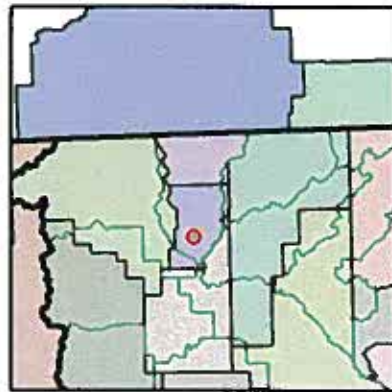
Reviewer MICHAEL HOLIDAY Date 7/2008



22-7507

Legend

- ☐ Point of Diversion
☐ Place of Use
☐ Townships
☐ PLS Sections
☐ Quarter Quarters



**Madison County
IDWR Basin 22**

**Prepared by D. Carlson
On Friday, November 16, 2007
2004 Aerial Photography**

