

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 36-7974

Exam Date: 2-21-2007

1. Current Owner: KENT L KLOSTERMAN
70 W 630 LN S
RUPERT ID 83350
(208)436-2300

2. Accompanied by: none

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: A&B rights – no A&B water delivered to this pou
2. Other water rights with the same point of diversion: 36-8253 – A&B application for permit, no consequence

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

GROUND WATER

SE1/4SW1/4SE1/4

Sec. 13, Twp 09S, Rge 21E, B.M.

JEROME County

Method of Determination: spatial data

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	
09S	21E	13			17.0				13.0	12.0			.6	34.0		26.0	32.0		134.6
09S	21E	24		31.0	.4		34.0	.6	.4										66.4

Total Acres: 201

Method of Determination: aerial photography, field check, ArcView

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>
A0005358		200			

*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>
Flow meter	sonic	Fuji	polysonics			2007

2. Measurements:

Measurements were taken in 1998 and 2003 by Brian Higgs, Magic Valley GWD Hydrographer, using a privately owned flow meter which has been tested by IDWR. No field notes were requested, however WMIS data sheets are attached.

E. FLOW CALCULATIONS☐ Additional Computation Sheets Attached

Measured Method:

Measured flows of 1167 and 1169 gallons per minute in 2 different years = 2.6 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 201 \times 4 = 804$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 2.6 \times 1.9835 \times 184 = 948.9$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 804$$

2. Volume Calculations for Other Uses:

G. NARRATIVE/REMARKS/COMMENTS

Recommendation reflects acres developed as of 1998, based on aerial photography. The current place of use is unchanged. System measurement was conducted in 2003 by Brian Higgs, Magic Valley GWD. That measurement was used to determine system capacity and recommendations.

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 11/01	2.600 CFS	804.00 AF
<u>Totals:</u>		2.600 CFS	804.00 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 Cyler Date 9.14.2007

Reviewer _____ Date _____

36-7974, Klosterman
09S 21E S13 & 24

201 acres

A0005358

24

2-21-07 Cyenter
A0005358 Klosterman 36-7974
200 AP, Split to 2 mains
Rx J405123

photos: turbine & mainlines
South pivot
north wheel lines (2)

Some area under east pivot is marginal, as
is some area to north between WL sets -
(north area is dropped from CREP ap)

Meas by Brian Higgs, 2003
201 ac, 2.6 cfs, 804 AF

.013 cfs/ac
4 AFA

Spatial 183049

Yenter, Cindy (Hodges)

From: Brian & Barbara Higgs [higgs@ida.net]
Sent: Tuesday, February 13, 2007 9:03 PM
To: Yenter, Cindy (Hodges)
Subject: Re: Klosterman

Hi Cindy,

Lucky you!

36-7974

1167 gpm = 2.6 cfs

The short answer to A0005358 is, yes, I believe the system was measured at "operated" capacity. That is, this well has been running 1 pivot and 3 wl's since 1998 when I made my first visit there. It was on schedule for measurement this year, 2006, but was not, ?. The discharge has not dropped since 1998. The well has a 200 HP, GE motor, S#RXJ405123. No booster. The measurement is easy as one line goes to the pivot and the other line goes to the wl's. I can fax you a copy of the field form if that would help. I have a drawing of what the system looks like and where I measured.

36-8432

The same short answer applies to A0005318. There used to be a meter on this well but has since broken and has not been replaced. Kent operates it full on with one crop. This well operates 1 pivot with 5 wl's. This is a little different because it is on a hill and the pivot goes up and down the hill with alters the flow a little. However, 1850 is approximately operating maximum. The pivot was put on in 2002, I think (not sure about that). Prior to the pivot the well ran 12 wl's parallel with the strike of the hill. The well has a 250 hp US Motors motor, S#84-01784-302, no booster, and it has been on there since I started in 1997. I also have a drawing of this well if it helps.

I wish I had more up-to-date information for you. Hope this helps.

1850 gpm = 4.1 cfs

Brian

----- Original Message -----

From: Yenter, Cindy (Hodges)
To: Higgs Brian (E-mail)
Sent: Monday, February 12, 2007 9:42 AM
Subject: Klosterman

Hi Brian -

Do you have any system information on Kent Klosterman's systems under site tags A0005318 and A0005358? You conducted pcc exams on 5318 in 2005 and on 5358 in 2003.

Mr. Klosterman has made CREP applications under both these systems. Both uses are pursuant to water right permits which have NOT been licensed. so, you can only guess what I've been asked to do.

Rather than re-invent the wheel I thought I'd see what you knew prior to starting my investigation. Do you believe the flows you measured to be system capacity flows? For A0005358 you have shown a data qualifier of 1, but for A0005318 for 2005 there is a data qualifier of 5, indicating there may be other conditions.

Please let me know what you have, including pump HP and serial numbers if you recorded those at any time. My goal is to go and look at these before he dismantles any or all of his system(s). I think at least one of these CREP aps was for the entire farm so I have to get some documentation before the evidence all disappears.

Thanks much for your help.

Cindy Yenter
Watermaster, Water District 130
Twin Falls, ID
cindy.yenter@idwr.idaho.gov
208-736-3033

2/20/2007

Idaho Department of Water Resources

WMIS

Water Management Information System



Quick Search:

Search Method:	Reporting District
Reporting District	Magic Valley GWD
WMIS Number	100927
Legal Description	09S 21E 13 SE SW SE
Metal Tag Number	A0005358

[Click Here for Important
Messages 05/12/06](#)

You are logged in as cyenter



Point Of Diversion PCC Flow Meter Time Clock Alternate Contacts Data Summary Other Logout

PCC Condition

* = Required fields

Add PCC Condition

☐ Display All

Status: WMIS Number 100927; Metal Tag Number A0005358

Copy	Edit	Delete	Meter	Condition	#	PCC
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☐ Year: 2003☐ 06/19/03 766.06 (100%)

Copy	Edit	Delete	Utility:	Idaho Power	KW:	164.61	1	Condition PCC:
			Manufacturer:	ABB	GPM:	1167.0		766.06
			Serial Number:	01526475	PSI:	0		Condition Date:*
			Main HP*:	0	Percentage:	100		06/19/03
			Boost HP:		Boost On:	No		
			Pole Number:	09S21E1320	Description:	1 pvt,3 wl in hay.		
			Multiplier:	80.00				
			Disk Constant:	1.20				

☐ Year: 1998☐ 07/10/98 771.20 (100%)

Copy	Edit	Delete	Utility:	Idaho Power	KW:	166.00	1	Condition PCC:
			Manufacturer:	ABB	GPM:	1169.0		771.20
			Serial Number:	01526475	PSI:	28		Condition Date:*
			Main HP*:	200	Percentage:	100		07/10/98
			Boost HP:		Boost On:	No		
			Pole Number:	611	Description:			
			Multiplier:					
			Disk Constant:					