

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 41-7058

Exam Date:

1. Current Owner:
SCOTT ALAN HENDRICKSON 4780 ROCKLAND HWY ROCKLAND ID 83271
2. Accompanied by: Written Up In-house/Not accompanied
Phone No:
Address:
Relationship to permit Holder:

3. **SOURCE:**
GROUND WATER

Method of Determination: Aerial Imagery and IDWR on-site inspection 5/27/2003 by Jim Stanton

B. OVERLAP REVIEW

1. Other water rights with the same place of use: YES Overlap

Water Right No.	Source	Purpose of Use	Basis
47-9B	South Fork Rock Creek	Irrigation	Decree

Comments: Used within 70 acre place of use for water right 47-9B

2. Other water rights with the same point-of-diversion: NO Overlap

Water Right No.	Source	Purpose of Use	Basis
N/A			

Comments: _____

C. DIVERSION AND DELIVERY SYSTEM

1. **LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER SW¼ SE¼, Sec. 33, Twp 10S, Rge 31E, B.M. POWER County

Method of Determination:

PLACE OF USE: IRRIGATION

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
10S	31E	33									23.0	4.0	15.0	28.0					70.0

Right Acre Limit: 48.6

Total Acres: 70.0

Method of Determination: on-site inspection 5/27/2003 by Jim Stanton and Permit Condition X35 limiting combined use of 41-7058 & 41-9B to 70 acres

3.

 x Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.

 x Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.

 x Aerial Photo Attached (required for irrigation of 10+ acres).

 x Photo of Diversion and System Attached

4.

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
A0010306	Yaskawa	100	007541126	Johnson	D209

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
N/A						

2. Measurements: PCC method was utilized to calculate the flow rate and reported in WMIS database.

E. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

Measured Method: PCC

WMIS measurements indicate this well was measured utilizing the PCC method in both 1999 and 2010 (see attachment)

1999: 334.00 gpm /448.83 = **1.41 cfs**

2010: 616.00 gpm /448.83 = **1.37 cfs**

Both rates indicate the well is capable of producing the permitted flow rate of 0.970 cfs

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 48.6 \text{ acres} \times 4.0 \text{ afa} = 194.4 \text{ af}$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.97 \text{ cfs} \times 214 \text{ days} \times 1.9835 = 411.73 \text{ af}$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = \mathbf{194.4 \text{ af}}$$

2. Volume Calculations for Other Uses: N/A

G. NARRATIVE/REMARKS/COMMENTS

Permit was filed with the Department on 11/23/1981. The application for permit was seeking 1.84 cfs for the irrigation of 165 acres. The path to permit approval was a long process, which started with the application being protested and ultimately ended with a permit being approved on 10/30/2003 for 0.97 cfs and the irrigation of 48.6 acres within a 148.0 acre permissible place of use. I have included a timeline (Attachment 1) that highlights the details of the permitting process.

Proof of beneficial use was submitted on 11/06/2003 for 0.97 cfs and the irrigation of 48.6 acres.

Two measurements of well production are reported in the WMIS database indicating the well is capable of producing more than the permitted amount (**1.41 cfs & 1.37 cfs**; see attached WMIS records). Volume was based upon the irrigation requirement of 4.0 afa: $4.0 \text{ afa} \times 48.6 = 194.4 \text{ af}$.

This permit is used with water right 41-9B, a 0.5 cfs South Fork Rock Creek water right with a priority date of 5/17/1880. Ten years of Watermaster records indicate that 41-9B is delivered yearly. There is a condition on this permit (X35) that limits this permit when combined with 41-9B to 1.4 cfs and the irrigation of 70 acres. This permit will be recommended for 48.6 acres within water right 41-9Bs 70 acre place of use and not the 148 acre permissible place of use originally permitted, because of the limitation the X35 condition places on this water right.

Have conditions of permit approval been met? ☒ Yes ☐ No

H. RECOMMENDATIONS**1. Recommended Amounts**

<u>Beneficial Use</u>	<u>Period of Use</u>	<u>Rate of Diversion</u>	<u>Volume</u>
IRRIGATION	04/01 to 10/31	0.97 CFS	194.4 AF

Totals: 0.97 CFS 194.4 AF

2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

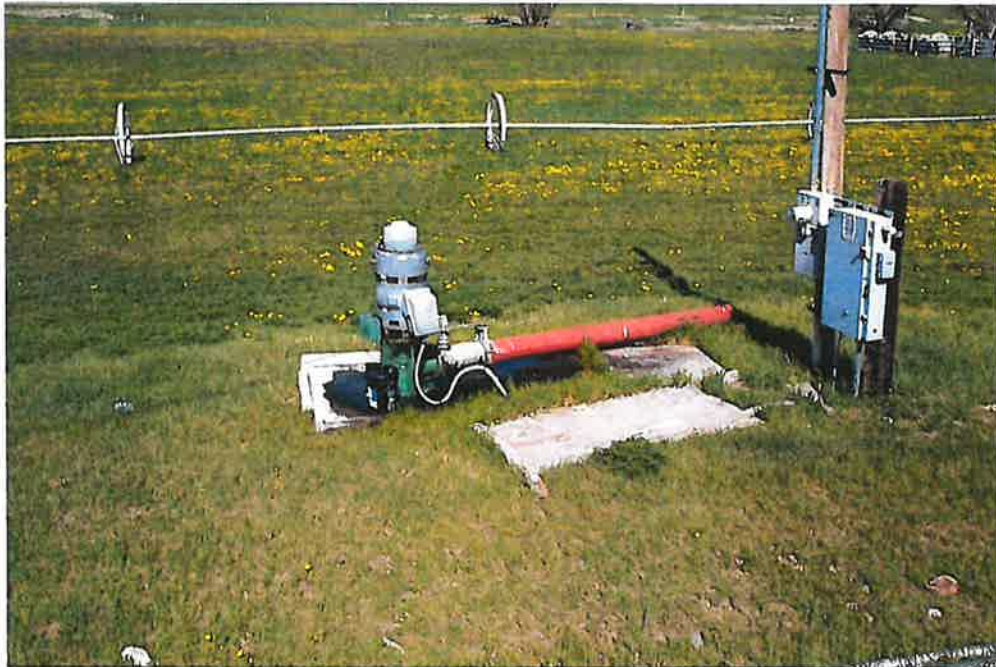
☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☒ None

I. AUTHENTICATION

Bill Mills - Water Resource Agent, Senior

Field Examiner's Name Bill Mills Date 6-19-20

Reviewer _____ Date _____



Diversion Works Looking Westerly
By J E Stanton 5-15-2003 App. 41-7058

Figure 1: The Well



Present POU – App. 41-7058 Leonard May
By J E Stanton 5-15-03 Looking North

Figure 2: Place of use



Same Looking Northeasterly

Figure 3: Another POU view

Attachment #1:

Timeline for Permit 41-7058:

11/23/1981: Dana Muir filed an Application for Permit with the Department requesting 1.84 cfs of ground water to irrigate 165 acres of ground in Sections 32 & 33 of Twp 10S, Rge 31E.

12/1/1981: application was submitted to the Power County Press for advertising.

12/21/1981: the application was protested by the Udy brothers.

6/12/1989: Department mails letter to applicant indicating that no hearings were ever scheduled to resolve the protest and asking Mr. Muir to contact Southern Region to inquire about the status of the protest and potentially reach out to the Udy brothers to attempt to resolve the protest.

6/28/1989: Mrs. Maya Muir replied by contacting Southern Region via letter asking the status of the application for permit.

3/11/1991: Per a telephone call with Doug Jones, Mrs. Muir indicated the Udy Brothers were not willing to withdraw their protest and she wanted to proceed with the application.

1/10/2003: Jim Stanton wrote a letter to Mr. May who was the new owner of the property this application for permit was being developed on. The letter indicated that Mr. May should withdraw an application for transfer for application for permit 41-7058, as the application for transfer was not for a valid water right and he didn't actually own the application for permit he was attempting to file a transfer for.

02/25/2003: An assignment of application for permit was received assigning the application to Leonard and Marilyn May.

04/30/2003: Amended Application for permit filed by the new owners for 1.72 cfs and the irrigation of 154 acres.

09/05/2003: Udy brothers withdraw their protest.

10/27/2003: Permit was reviewed and based on pre-1987 development and an on-site inspection that was conducted on 5/27/2003. It was recommended the permit be limited to the irrigation of 48.6 acres and was limited to the irrigation of 70 acres when combined with 41-9B, a Rock Creek water right, and a total diversion rate of 1.4 cfs.

10/28/2003: Permit was issued for 0.97 cfs for the irrigation of 48.6 acres within a 148 acre permissible place of use.

11/06/2003: Proof of beneficial use filed with the Department for 0.97 cfs and the irrigation of 48.6 acres.

Idaho Department of Water Resources

WMIS

Water Management Information System

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WMIS Number ▼

WMIS Number

600818

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[Point Of Diversion](#) [PCC](#) [Flow Meter](#) [Time Clock](#) [Alternate](#) [Contacts](#) [Data Summary](#) [Other](#) [Logout](#)**PCC Conditions***Data that are protected from disclosure are not shown - Contact IDWR for more information*

Year: 2010		Date: 8/4/2010 12:00:00 AM		Total PCC:	Total Percentage:
#	1	Condition Date:	08/04/2010	ConditionPCC:	Percentage:
KW:	73.00	Boost On:	No		
GPM:	616.0	Description:	Running one pivot with end gun off. hay. 4bars, 1x.		
PSI:					
Meter:					
Utility:		Serial Number:			
Main HP:	100	Boost HP:	0.00		
Pole Number:		Multiplier:			
Manufacturer:		Disk Constant:			
Year: 1999		Date: 6/21/1999 12:00:00 AM		Total PCC:	Total Percentage:
#	15768	Condition Date:	06/21/1999	ConditionPCC:	Percentage:
KW:	69.30	Boost On:	No		
GPM:	634.0	Description:	1 pivot		
PSI:	68				
Meter:					
Utility:		Serial Number:			
Main HP:	100	Boost HP:			
Pole Number:		Multiplier:			
Manufacturer:		Disk Constant:			

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Report Year	Alternate	FM	PCC	Time Clock
2019				
2018		132.64		
2017		99.36	103.29	
2016			106.17	
2015			131.98	
2014			93.53	
2013			135.70	
2012			155.62	
2011			117.00	
2010			161.00	
2009			105.00	
2008			225.15	
2007			203.36	
2006			178.59	
2005			189.41	
2004			214.00	
2003			181.20	
2002			149.60	
2001			188.40	
2000			89.70	
1999			87.60	