

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 67-15137
Exam Date: 06/26/2019

1. Current Owner:
ERNEST W CHANDLER 774 HALE RD WEISER ID 83672-5136
2. Accompanied by: ERNEST CHANDLER

3. **SOURCE:**
GROUND WATER

Method of Determination: Site Visit

B. OVERLAP REVIEW

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

Comments: Surface water shares from Weiser Irrigation District are also used for irrigation at this location

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

Comments: _____

C. DIVERSION AND DELIVERY SYSTEM1. **LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER NE¼ NW¼, Sec. 25, Twp 11N, Rge 06W, B.M. WASHINGTON County
GROUND WATER NE¼ NW¼, Sec. 25, Twp 11N, Rge 06W, B.M. WASHINGTON County

Method of Determination: GPS, digital PLS map

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	
11N	06W	25			27		32			12									71

Total Acres: 71

Method of Determination: Aerial imagery, digital PLS map

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.

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
D0072938		7.5		Submersible	
D0073175		7.5		Submersible	

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Flow meter	Propeller	McCrometer			4"	

2. Measurements:

Meter read 315 gpm during exam

E. FLOW CALCULATIONS Additional Computation Sheets Attached

Measured Method:

Measured: 315 gpm = **0.7 cfs**BU Standard = 0.02 cfs/acre x 71 acres = **1.42 cfs**Exam Fee = **2.0 cfs**

Capacity:

D0072938

$$Q = \frac{8.8 \times 0.7 \times 7.5 \text{ hp}}{25 \text{ ft} + 30 \text{ psi} \times 2.31} = 0.49 \text{ cfs}$$

D0073175

$$Q = \frac{8.8 \times 0.7 \times 7.5 \text{ hp}}{25 \text{ ft} + 30 \text{ psi} \times 2.31} = 0.49 \text{ cfs}$$

Total **0.98 cfs****RECOMMENDED 0.70 cfs****F. VOLUME CALCULATIONS**

1. Volume Calculations for irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 4.5 \text{ afa/acre} \times 71 \text{ acres} = \mathbf{320 \text{ afa}}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.70 \text{ cfs} \times 260 \text{ days} \times 1.9835 = \mathbf{361 \text{ afa}}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = \mathbf{320 \text{ afa}}$$

2. Volume Calculations for Other Uses:

No other uses

G. NARRATIVE/REMARKS/COMMENTS

This permit was approved in February of 2016, authorizing the diversion of up to 1.60 cfs from groundwater to irrigate 80 acres. Proof of beneficial use was submitted on February 27, 2018. I completed this field exam on June 26, 2019.

There are two points of diversion for this permit. The first is a ten-inch well with metal tag no. D0073175 located at N44°15'52.0" by W117°00'25.0". The second is a ten-inch well with metal tag no. D0072938 located at N44°15'53.4" by W117°00'29.2". Both have 7.5 horsepower submersible pumps which divert water from the well at 30 psi. The well driller's reports suggest the pumping level for both can be estimated at around 25 ft below ground surface. I estimate the total pumping capacity of the system at 0.98 cfs.

Both wells divert water into a common system which has a McCrometer propeller-type flow meter installed. The flow meter read around 315 gpm (0.7 cfs) during the exam. After the mainlines from the two wells join, the common line provides water to 6-inch lay-flat line, an open ditch with ¾-inch siphon tubes, and to gated pipe, all used to irrigate the 71 acres of land.

Though the pumping capacity appears to be higher than the measured diversion rate, I have still recommended the measured rate as it more clearly represents the water use by the permit holder. The groundwater is used to supplement surface water from the Weiser Irrigation District and will be continue to be conditioned as supplemental use. There are no other licensed or decreed uses of the points of diversion.

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>Annual Volume</u>
IRRIGATION	03/01 to 11/15	0.70 CFS	320 AF

Totals: 0.70 CFS 320 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

Cody Parker, Water Resource Agent, Senior

Field Examiner's Name Cody Parker Date 6-27-19

Reviewer Patricia Kelly Date 6-27-19



State of Idaho
Department of Water Resources
Beneficial Use Field Report
67-15137

IRRIGATION

06W



-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections
-  Quarter Quarters

0 0.075 0.15 0.3 Miles



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT



McCrometer propeller-type flow meter showing a diversion rate of roughly 315 gpm between the two wells.



*Well D0072938 in the foreground.
Looking south toward the open ditch
and the location where the mainlines
from the two wells meet.*

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT



The location where the mainlines from the two wells come together and pass through the flow meter.



Well D0073175, looking west to the junction of the two mainlines.

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT



Irrigation at the place of use.

11N06W25

Basin/Seq	Owner	Source	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE
67-10122	HOFFER,	GROUND WATER											X					
67-10604	EISENBAI	GROUND WATER		X														
67-11144	GALLUP,	GROUND WATER						X										
67-11378	ROWAN, 'S	SPRING													X			
67-11392	RYAN, VI	GROUND WATER					X											
67-11440	TAYLOR,	GROUND WATER															X	
67-11534	CHANDLI	GROUND WATER					X											
67-11541	TAKEHAI	SPRING							X									
67-11542	TAKEHAI	GROUND WATER							X									
67-11549	GILLISPIE	GROUND WATER		X														
67-11589	JONES, JL	GROUND WATER						X										
67-13428	RAFTER I	GROUND WATER												X				
67-13429	RAFTER I	GROUND WATER									X							
67-13430	RAFTER I	GROUND WATER									X							
67-13431	RAFTER I	GROUND WATER			X													
67-14124	LEDFORE	GROUND WATER												X				
67-14307	GRIFFIN,	GROUND WATER											X					
67-15137	CHANDL	GROUND WATER					X											
67-2322	EISENBAI	GROUND WATER	X	X														
67-4589	WAKAGA	JENKINS CREEK											X					
67-7194	EISENBAI	GROUND WATER	X															
67-7311	RAFTER I	GROUND WATER										X						
67-7625	BARNES,	SPRING		X														
67-7857	RAFTER I	GROUND WATER									X							
67-7860	HAUN, FF	GROUND WATER							X									

Separate well, no overlap

Well by same owner in similar location as D0073175, right
67-11534 was decreed in 2000. D0073175 was drilled in
2017 so no overlap.

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

11N06W25

Basin/Seq#	Owner	Source	Use	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	Total Acres
3-2006	WEISER F SNAKE R	IRRIGATION		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
3-7005	WEISER I SNAKE R	IRRIGATION		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
67-10	WEISER I WEISER F	IRRIGATION		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
67-11	WEISER I WEISER F	IRRIGATION		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
67-12	WEISER I WEISER F	IRRIGATION		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
67-13B	WEISER I WEISER F	IRRIGATION		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
67-14	WEISER I WEISER F	IRRIGATION		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
67-14621	WEISER I WEISER F	IRRIGATION		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
67-14972	CHANDLI GROUND	IRRIGATION													8					8
67-15	WEISER I WEISER F	IRRIGATION		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
67-15137	CHANDLI GROUND	IRRIGATION				27	32				12									71
67-16	WEISER I WEISER F	IRRIGATION		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
67-17	WEISER I WEISER F	IRRIGATION		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
67-18	WEISER I WEISER F	IRRIGATION		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
67-19	WEISER I WEISER F	IRRIGATION		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
67-20	WEISER I WEISER F	IRRIGATION		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
67-21	WEISER I WEISER F	IRRIGATION		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
67-2168B	WEISER I WEISER F	IRRIGATION		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
67-2169G	WEISER I WEISER F	IRRIGATION		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
67-22	WEISER I WEISER F	IRRIGATION		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
67-2322	EISENBAL GROUND	IRRIGATION		39	5	1	26													71
67-7194	EISENBAL GROUND	IRRIGATION		40	5		30													75
67-7311	RAFTER I GROUND	IRRIGATION											40	9						49
67-7857	RAFTER I GROUND	IRRIGATION										11			24					35
67-7860	HAUN, FR GROUND	IRRIGATION																		34
67-8	WEISER I WEISER F	IRRIGATION		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
67-9	WEISER I WEISER F	IRRIGATION		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

Weiser irrigation district, primary source, overlap
 Irrigation in same QQ, no overlap

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT67
DE

1. WELL TAG NO. D D0072938

Drilling Permit No. 879604

Water right or injection well # 67-15137

2. OWNER: Ernie Chandler

Name Ernie Chandler

Address 774 Hale Rd.

City Weiser State Id Zip 83672

3. WELL LOCATION:

Twp. 11 North ☒ or South ☐ Rge. 6 East ☐ or West ☒

Sec. 25 NE 1/4 NW 1/4 1/4

Gov't Lot County Washington

Lat. 44.264870 (Deg. and Decimal minutes)

Long. -117.008104 (Deg. and Decimal minutes)

Address of Well Site 774 Hale Rd.

City Weiser

(Give at least name of road + Distance to Road or Landmark)

Lot. Blk. Sub. Name

4. USE:

☐ Domestic ☐ Municipal ☐ Monitor ☒ Irrigation ☐ Thermal ☐ Injection☐ Other

5. TYPE OF WORK:

☒ New well ☐ Replacement well ☐ Modify existing well☐ Abandonment ☐ Other

6. DRILL METHOD:

☒ Air Rotary ☐ Mud Rotary ☐ Cable ☐ Other

7. SEALING PROCEDURES:

Seal material	From (ft)	To (ft)	Quantity (lbs or ft ³)	Placement method/procedure
Med. Bentonite	0	18	1100lbs	pull back pour

8. CASING/LINER:

Diameter (nominal)	From (ft)	To (ft)	Gauge/Schedule	Material	Casing	Uner	Threaded	Welded
10	+2	25	.250	Steel	☒	☐	☐	☒
10	35	38	.250	Steel	☒	☐	☐	☒

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s)

9. PERFORATIONS/SCREENS:

Perforations ☐ Y ☐ N MethodManufactured screen ☒ Y ☐ N Type Stainless Steel

Method of installation Set on bottom, pull back 14

From (ft)	To (ft)	Slot size	Number/ft	Diameter (nominal)	Material	Gauge or Schedule
25	35	.025		10	Stainless	

Length of Headpipe 27 Length of Tailpipe 3

Packer ☐ Y ☒ N Type

10. FILTER PACK:

Filter Material	From (ft)	To (ft)	Quantity (lbs or ft ³)	Placement method
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11. FLOWING ARTESIAN:

Flowing Artesian? ☐ Y ☒ N Artesian Pressure (PSIG)

Describe control device

12. STATIC WATER LEVEL and WELL TESTS:

Depth first water encountered (ft) 8 Static water level (ft) 7

Water temp. (°F) 64 Bottom hole temp. (°F) 64

Describe access port

Well test:

Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)
25	200	240

Test method:

Pump	Bailer	Air	Flowing artesian
☒	☐	☒	☐

Water quality test or comments:

13. LITHOLOGIC LOG and/or repairs or abandonment:

Sore Dia. (in)	From (ft)	To (ft)	Remarks, lithology or description of repairs or abandonment, water temp.	Water	
				Y	N
14	0	6	Clay Brown		X
14	6	23	Clay Brown/sand	X	
14	23	37	sand/gravel	X	
14	37	38	clay blue		X

Completed Depth (Measurable): 38

Date Started: 8/1/16

Date Completed: 5/5/2017

14. DRILLER'S CERTIFICATION:

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Dig Well Drilling LLC

Co. No. 3460

*Principal Driller Trinity Villines Date 5/24/2017

*Driller TL Date 5/24/2017

*Operator II TL Date 5/24/2017

Operator I Date

* Signature of Principal Driller and rig operator are required.



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region • 2735 W Airport Way • Boise ID 83705-5082

Phone: (208) 334-2190 • Fax: (208) 334-2348

Website: idwr.idaho.gov • Email: westerninfo@idwr.idaho.gov

BRAD LITTLE
Governor

GARY SPACKMAN
Director

April 29, 2019

ERNEST CHANDLER
774 HALE RD
WEISER ID 83672

RE: Scheduling Field Exam for Water Permit No. 67-15137

Dear Permit Holder:

The Idaho Department of Water Resources (IDWR) is planning to conduct water right examinations in the vicinity of the above-referenced permit. An examination is needed to verify water use(s) developed under the permit in order to issue a water right license.

Your permit authorizes the diversion of 1.60 cfs groundwater for irrigation. If you developed a beneficial use of water and still own the place of use property identified in the permit, please contact me at your earliest convenience to schedule an examination.

If you developed a beneficial use of water under the permit but no longer own the place of use property, please use the enclosed Assignment of Permit form (\$25 fee). This will allow IDWR to work with the new permit owner for the license process.

A license cannot be issued if beneficial use of water was not developed or if use was developed but abandoned.

In either of those cases, please relinquish the permit by using the enclosed Relinquishment of Permit form (no fee required). The permit will be voided if a relinquishment form is not submitted for either of those cases.

Please contact me within the next thirty (30) days to schedule an examination or submit a relinquishment or complete an assignment form. If you still own the property in question but do not make a timely response in this regard, the permit will be voided. If you no longer own that property and do not assign or relinquish the permit, IDWR will work with the current property owner to issue a license or void the permit.

Please call me at 208-334-2190 if you have any questions. I appreciate your attention to this matter and look forward to hearing from you.

Sincerely,

Cody Parker

Water Resource Agent, Sr.

Enclosure: Relinquishment of Permit Form
Assignment of Permit Form
Proof Report and Map