

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 67-14754
Exam Date: 5/31/2017

1. Current Owner:
HENRY STOKER PO BOX 834 ONTARIO OR 97914 (208)841-7302 Or
RONDA STOKER PO BOX 834 ONTARIO OR 97914 (208)841-7302
2. Accompanied by: Current Owners
Phone No:
Address:
Relationship to Permit Holder:

3. **SOURCE:**
GROUND WATER

TRIBUTARY:

B. OVERLAP REVIEW

1. Other water rights with the same place of use: Irrigation District water rights (not deliverable)
2. Other water rights with the same point-of-diversion: None.

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

GROUND WATER SW¼NE¼ Sec. 11, Twp 09N, Rge 05W, B.M. PAYETTE County

Method of Determination: Garmin GPS point collected on site: 44d 08.105, -116d 54.158.

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	
09N	05W	11			6.5														6.5

Total Acres: 6.5

Method of Determination: ArcMap tools used to measure irrigated land totaling 6.5 acres.

3.

Delivery System Diagram Attached (required). Indicate all major components and distances between components.

☒ X 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
D0048153	Unknown				6" discharge to AL mainline

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
IDWR tag: 281888	Ultrasonic	GE Panametrics	PT878	PCC1316085	#403	3/28/2017

2. Measurements: Measuring device placed ~ 10 ft from well on mainline prior to wheel line diversion.

E. FLOW

Additional Computation Sheets Attached

CALCULATIONS

Measured Method: Ultrasonic

File Title: C:\Users\pkelly\Desktop\LOG14.LOG
 File Name: C:\Users\pkelly\Desktop\LOG14.LOG
 Start Time: 5/31/2017 15:44
 End Time: 5/31/2017 15:55
 Interval: 60
 Records: 11
 Cyclic Flags: 2
 Error Flags: 8208

Date/Time	Velocity (ft/s)	Volume (ft ³ /s)	Volume (gal/m)
5/31/2017 15:44	1.049209114	0.139651	62.67962
5/31/2017 15:46	1.054557685	0.140363	62.99914
5/31/2017 15:46	1.075718297	0.143179	64.26328
5/31/2017 15:48	1.065199174	0.141779	63.63487
5/31/2017 15:49	1.831081627	0.243719	109.3886
5/31/2017 15:50	1.054356046	0.140336	62.9871
5/31/2017 15:50	1.075699376	0.143177	64.26215
5/31/2017 15:52	1.08253308	0.144086	64.67039
5/31/2017 15:52	1.089845418	0.14506	65.10723
5/31/2017 15:54	1.964809992	0.261518	117.3775
5/31/2017 15:54	1.0625381	0.141425	63.47589
Average	1.219	0.162	72.804

Permit	0.13 cfs
B.U. Standard Allowance	0.13 cfs
B. U. Proof Fee	\$50 → 0.01 to 0.20 cfs
Measurement Rate	0.16 cfs
License Recommendation	0.13 cfs

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 6.5 \times 4.5 = 29.3 \text{ af}$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.13 \times 260 \times 1.9835 = 67 \text{ af}$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = 29.3 \text{ af}$$

2. Volume Calculations for Other Uses: None.

G. NARRATIVE/REMARKS/COMMENTS

The field exam was conducted by agent Patrick Kelly who met Henry Stoker at his home on May 31, 2017. Mr. and Mrs. Stoker are owners of the permit and current land owners to the place of use and point of diversion. An assignment or ownership change is not warranted at this time.

Water was being used for irrigation purposes at the time of the exam. Well D0048153 was found at 44d 08.105, -116d 54.158, approximately 10 yards from State Hwy 95. Pump & motor information was not available at the time of the exam, however I was able to collect a measurement from the GE Panametrics device. The 8" well supplies water to a 6" aluminum mainline that runs along the north end of the field. The water users operate a single wheel line with 12 sprinkler sections. The wheel line connects to the mainline through a number of risers.

The above ground pipe system made for a convenient measuring location. I was able to attach the transducers at a distance greater than 10 diameters upstream and 5 diameters downstream from any disturbance. Diagnostics were checked during the test and maintained acceptable levels. Live readings from the device seemed to stay consistent at 63 gallons per minute. This is to be expected from 12 sprinklers rated at approximately 5 gpm per sprinkler. Results find 2 minute anomalies that spike during the test. These were not observed during the exam, and carry no explanation why such an event would occur. Average flow from the well tested 0.16 cfs, sufficient to supply the maximum 0.13 cfs the permit allowed.

Have conditions of permit approval been met? X 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	03/01 to 11/15	0.13 CFS	29.3 AF
<u>Totals:</u>		0.13 CFS	29.3 AF

2. Recommended Amendments

Change P.D. as reflected above Add P.D. as reflected above X None

Change P.U. as reflected above Add P.U. as reflected above X None

I. AUTHENTICATION

Field Examiner's Name Patrick Kelly Date 5-31-2017

Reviewer Date



NENW 1

NWNE

11

09N05W

SEW

SWNE

67-14754 System Diagram

- POD - D0048153
- 6" Aluminum Mainline
- POU - 6.5 acres
- Township/Range
- Sections
- QQ



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Form 238-7
6/02IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT1. WELL TAG NO. D 0048153
DRILLING PERMIT NO. 900250-847119
Water Right or Injection Well No. 67-147542. OWNER: Henry & Ronda Stoker
Name Henry & Ronda Stoker
Address P.O. Box 834
City Ontario State OR Zip 97914

3. LOCATION OF WELL by legal description:

You must provide address or Lot, Blk, Sub. or Directions to well.

Twp. 9 North ☒ or South ☐
Rge. 5 East ☐ or West ☒
Sec. 11 1/4 SW 1/4 NE 1/4
Gov't Lot 11800 Hwy 95
Lat: : : Long: : :
Address of Well Site 11800 Hwy 95
City Payette

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

Lt. : Blk. : Sub. Name :

4. USE:

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

5. TYPE OF WORK check all that apply (Replacement etc.)

☒ New Well ☐ Modify ☐ Abandonment ☐ Other

6. DRILL METHOD:

☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method
Bentonite	0	18	1300	Overbore + Temp Casing

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 30Was drive shoe seal tested? ☐ Y ☒ N How? :

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
8	1	30	1.315	Steel	☒	☐	☒	☐

Length of Headpipe : Length of Tailpipe :

Packer ☐ Y ☒ N Type :

9. PERFORATIONS/SCREENS PACKER TYPE

Perforation Method Torch

Screen Type & Method of Installation :

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
04	30	14x5	200	8	Steel	☒	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method
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11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

10 ft. below ground Artesian pressure lb.Depth flow encountered ft. Describe access port or control devices: :

847119

Office Use Only

Well ID No. 417152

Inspected by :

Twp Rge Sec

1/4 1/4 1/4

Lat : : Long : : :

12. WELL TESTS:

☐ Pump ☐ Bailor ☒ Air ☐ Flowing Artesian

Yield gal./min	Drawdown	Pumping Level	Time
200		50	3.5

Water Temp. 61°

Bottom hole temp. :

Water Quality test or comments :

Depth first Water Encounter :

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
14	0	10	Brown Clay		
14	10	17	Brown Clay		
8	17	30	Sand & Gravel		
8	30	43	Black Sand Stone		
8	43	50	Blue Clay		

RECEIVED

JUL 06 2007

WATER RESOURCES
WESTERN REGIONCompleted Depth 50' (Measurable)Date: Started 6-14-07 Completed 6-15-07

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 Dalks Drilling Firm No. 445Principal Driller [Signature] Date 6/18/07and Driller or Operator II [Signature] Date :Operator I [Signature] Date :Principal Driller and Rig Operator Required.
Operator I must have signature of Driller/Operator II.

FORWARD WHITE COPY TO WATER RESOURCES



Well tag D0048153

Garmin GPS:
44d 08.105,
-116d 54.158



POD to 6" aluminum
mainline.



System runs at 60 psi.



Single wheel line
system irrigates 6.5
acres.

12 sprinkler sections
with riser connections.



Typical reading during test ~65 gpm.



Test Diagnostics:

P#: 312-320
Amplitude: 28
Signal: 68.7
Soundspeed: 4850

All passing numbers.



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region • 2735 Airport Way • Boise, Idaho 83705-5082

Phone: (208) 334-2190 • Fax: (208) 334-2348 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

May 11, 2017

COPY

HENRY AND RONDA STOKER
PO BOX 816
PAYETTE ID 83661

RE: Scheduling Field Exam for Water Right Permit No. 67-14754

Dear Permit Holder:

We are planning to conduct water right examinations in the vicinity of the above-referenced permit **this season**. An examination is needed to verify the water use in order to issue a water right license.

The above-referenced permit authorizes **0.13 cfs of GROUND WATER for IRRIGATION use**. **If you have developed a beneficial use and still own the place of use property, please contact me at your earliest convenience to schedule an examination.**

If you did not develop a beneficial use of water under the permit during the beneficial use period, a license cannot be issued and the permit should be relinquished. If that use was developed, but have ceased using the water and you currently carry no interest in it, please relinquish the permit by submitting the enclosed Relinquishment of Permit form (no fee required).

If you did develop a beneficial use of water under the permit, but you no longer own the place of use property identified in the permit, please submit the enclosed Assignment of Permit form with the applicable \$25 processing fee.

Please contact me within the next thirty (30) days at (208) 334-2190 to either schedule an examination or submit a relinquishment or assignment form. If you no longer own the place of use property and/or do not respond to this letter, the department will work with the current property owner to issue a license or void the permit.

Sincerely,

Patrick Kelly
Water Resource Agent, Sr.

Enclosures: Relinquishment of Permit form
Assignment of Permit form
Water Permit Report and Map



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region • 2735 Airport Way • Boise, Idaho 83705-5082

Phone: (208) 334-2190 • Fax: (208) 334-2348 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTIER
Governor

GARY SPACKMAN
Director

April 19, 2017

COPY

HENRY AND RONDA STOKER
PO BOX 834
ONTARIO OR 97914

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Assignment of Permit form
Water Permit Report and Map