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SEP 15 2010

WATER RESOURCES  
WESTERN REGION

**A. GENERAL INFORMATION**

STATE OF IDAHO  
DEPARTMENT OF WATER RESOURCES  
**BENEFICIAL USE FIELD REPORT**

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SEP 17 2010

DEPARTMENT OF WATER RESOURCES

Permit No. 63-33260

1. Owner Kenneth and/or Sharon Aschenbrenner

Phone No. 870-4402

Current address 6995 S. Ridgewood Rd Nampa, ID 83687

2. Examiner's name Dave Shaw

EXAM DATE July 27 and 28, 2010

3. Accompanied by Kenneth Aschenbrenner

Email \_\_\_\_\_

Address 6995 S. Ridgewood Rd, Nampa, ID 83687

Relationship to permit holder Self

Phone No. 870-4402

4. Source GROUND WATER

tributary to N/A

**B. OVERLAP REVIEW**

1. Other water rights with the same place of use 63-9119, 63-2388 (Nampa Meridian Irrig. District)

2. Other water rights with the same point of diversion None

**C. DIVERSION AND DELIVERY SYSTEM**

1. Point(s) of Diversion:

| Ident. No. | Gov't Lot | ¼ | ¼  | ¼  | Sec | Twp | Rge | County | Method of Determination/Remarks |
|------------|-----------|---|----|----|-----|-----|-----|--------|---------------------------------|
|            |           |   | SE | NW | 4   | 2N  | 1W  | ADA    | Hand Held GPS, GIS              |
|            |           |   |    |    |     |     |     |        |                                 |
|            |           |   |    |    |     |     |     |        |                                 |
|            |           |   |    |    |     |     |     |        |                                 |

2. Place(s) of Use:

Method of determination 2009 Aerial Photograph, GIS

| Twp | Rge | Sec | NE |    |    |    | NW  |    |    |    | SW |    |    |    | SE |    |    |    | Totals |
|-----|-----|-----|----|----|----|----|-----|----|----|----|----|----|----|----|----|----|----|----|--------|
|     |     |     | NE | NW | SW | SE | NE  | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE |        |
| 2N  | 1W  | 4   |    |    |    |    | 1.9 |    |    |    | 36 |    |    |    |    |    |    |    | 37.9   |
|     |     |     |    |    |    |    |     |    |    |    |    |    |    |    |    |    |    |    |        |
|     |     |     |    |    |    |    |     |    |    |    |    |    |    |    |    |    |    |    |        |
|     |     |     |    |    |    |    |     |    |    |    |    |    |    |    |    |    |    |    |        |
|     |     |     |    |    |    |    |     |    |    |    |    |    |    |    |    |    |    |    |        |
|     |     |     |    |    |    |    |     |    |    |    |    |    |    |    |    |    |    |    |        |
|     |     |     |    |    |    |    |     |    |    |    |    |    |    |    |    |    |    |    |        |
|     |     |     |    |    |    |    |     |    |    |    |    |    |    |    |    |    |    |    |        |

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe diameter (inside), as applicable. Use the space provided or ☒ see attached.

[illegible]

**Scale: 1" =** \_\_\_\_\_

- ☒ Copy of USGS Quadrangle attached showing location(s) of point(s) of diversion and place(s) of use (required)  
☒ Aerial photo attached (required for irrigation of 10+ acres)  
☒ Photo of diversion and system attached

4.

| Well or Diversion Identification No.* | Motor Make  | Hp | Motor Serial No. | Pump Make | Pump Serial No. or Discharge Size |
|---------------------------------------|-------------|----|------------------|-----------|-----------------------------------|
| Well                                  | submersible | 10 |                  |           | 4-inch                            |
| Sump                                  | Baldor      | 20 | Z060812001       |           | 4-inch                            |
|                                       |             |    |                  |           |                                   |

**\*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 |
|-----------------------|-------|-----------|-----------|------------|---------|-------------|
| Sonic meter           | Sonic | Polysonic | DCT7088   | 33508      |         | 12-28-09    |
| Cipolletti Weir       | Weir  |           |           |            | 24-inch |             |

## 2. Measurements:

Polysonic meter reading = 350 gallons per minute = 0.78 cfs; Cipolletti Weir Reading = 0.245 feet = 0.817 cfs

**E. NARRATIVE/REMARKS/COMMENTS**

The owner's well was tested on July 27, 2010. Owner stated that the well is equipped with a 10 hp submersible pump. The pump discharge is routed to the concrete ditch via 4-inch steel pipe. A temporary 4-inch PVC pipe was installed for the examination to provide a long straight run of pipe for the sonic flow meter. The sonic flow meter measured a flow of 350 gpm.

Owner installed a temporary 24-inch Cipolletti weir at the end of the concrete ditch. Surface water was prevented from entering the concrete ditch by a temporary plug. The only water in the concrete ditch at the weir was from the well. The Cipolletti Weir measured 367 gpm. Readings from the sonic meter and Cipolletti weir are similar.

Pictures of the farm distribution system were collected on July 28, 2010.

Has the permit holder met all conditions of permit approval, including any mitigation requirements and/or measuring device installation requirements?    ☒ Yes    ☐ No    If no, what must be done to meet the permit requirements?





### Layout of 63-33260

Ada County, Idaho  
Sec 4 T2N, R1W

### Legend

- Water Features
- Water Distribution
- Irrigated Acres

0 200 400  
Feet

Image Source: NAIP 2009

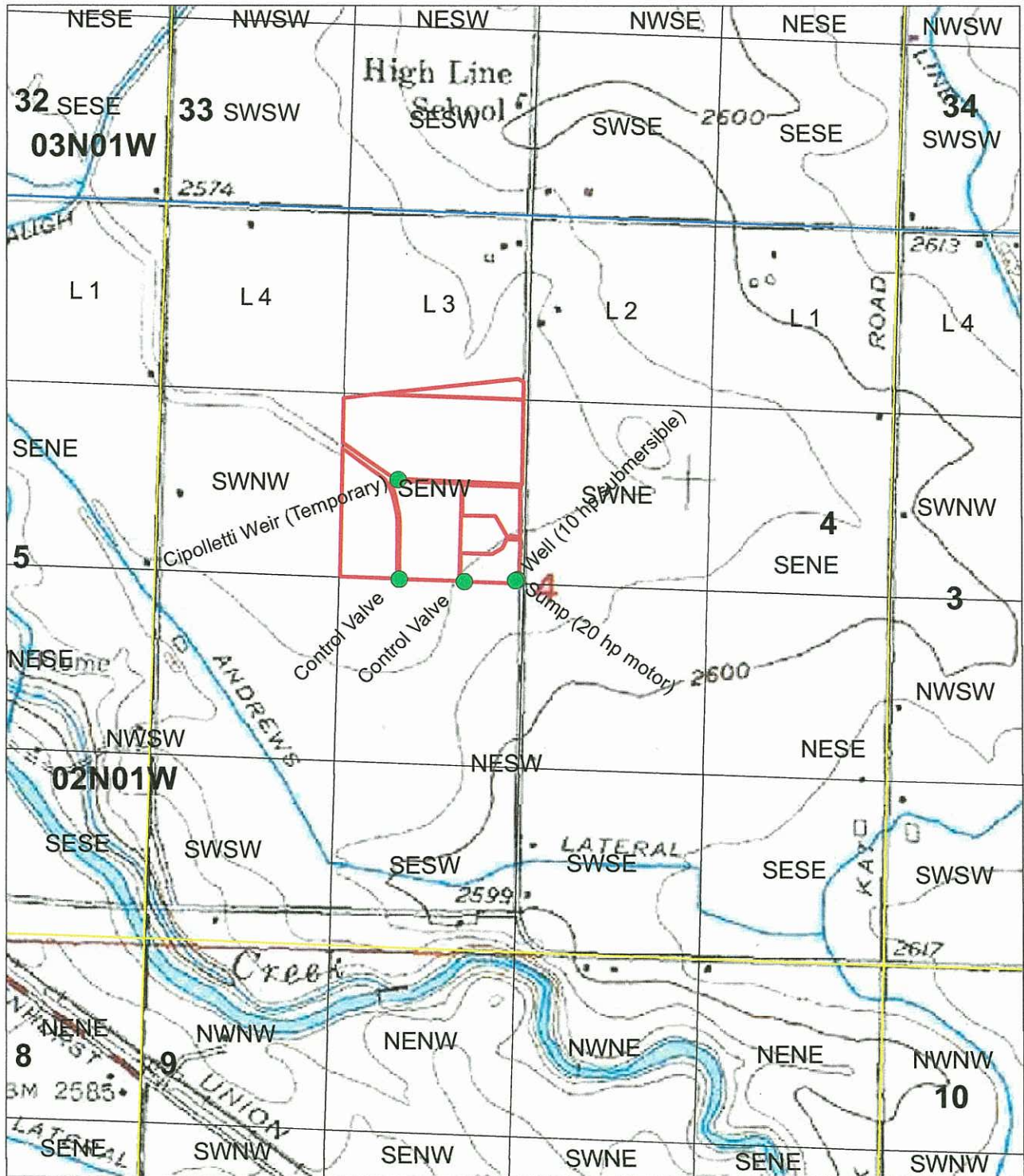


### Figure 1

Aschenbrenner  
License Exam for Permit 63-33260

Prepared for: IDWR  
Date: July 2010

**ERO**  
ERO Resources Corp.



**Place of Use for 63-33260**

Ada County, Idaho  
Sec 4 T2N, R1W

**Legend**

- Water Features
- Irrigated Acres

0 660 1,320  
Feet

Image Source: USGS Topo



**Figure 2**

Aschenbrenner  
License Exam for Permit 63-33260

Prepared for: IDWR  
Date: July 2010

**ERO**  
ERO Resources Corp.



8-inch wellhead in SE corner of property



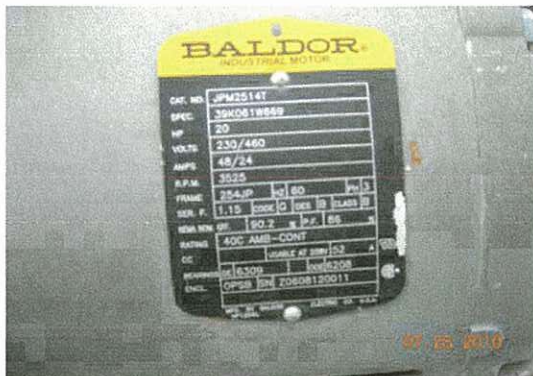
At SE corner of property looking north along Ridgewood Rd.  
Nampa Meridian Irrig. Dist. Water entering ditch from east and south  
Photo taken day after well test.



Polysonic flow meter measuring ground water discharge at 350 gpm  
No surface water in ditch at time of well test



Well discharge entering ditch at 350 gpm from 4-inch PVC





Looking north along 10-inch gated pipe that discharges to the west. Field on right is sprinkled and is south of home. Field on left is west of home.



South boundary of property, looking west. 10-inch gated pipe to serve field to the north. Drain ditch in foreground flows to the right (north)



At south edge of property, looking north along drain ditch that flows north.



At concrete trapazoidal ditch, looking west. Siphons serve field to the north.



Temporary Cipolletti Weir at end  
of concrete ditch.  
Ground water only, no surface water  
at time of measurement



24-inch Cipolletti Weir  
reading 0.245 inches = 0.817 cfs  
(367 gpm)  
Ground water only, no surface water  
at time of measurement

Lease Agreement for Aschenbrenner and Kasel

This Agreement is between Ken and/or Sharon Aschenbrenner of 6995 S. Ridgewood Road, Nampa, Idaho 83687 (Aschenbrenner) and Don Kasel of 6500 S. Ridgewood Road, Nampa, Idaho 83687 (Kasel)  
6555

As the result of the Aschenbrenner purchase of 40 acres in the SE1/4 NW1/4 Sec 4 T2N, R1W B.M. from Kasel, a property boundary was made on the quarter-quarter section line between the SE1/4 NW1/4 and government lot #3 of Sec 4, which left 2.2 acres of Kasel property on the south side of the drain ditch located near the south edge of government lot #3 that is contiguous with Aschenbrenner land. It is hereby agreed that Aschenbrenner will continue to farm the Kasel property south of the drain ditch as a matter of convenience for both parties.

It is further agreed that Kasel will not gain any right, title or ownership interest to the Aschenbrenner well or water right(s) used on the Kasel property under the terms of this Lease Agreement.

Ken Aschenbrenner Aug 5/10  
Ken Aschenbrenner Date

Don Kasel Aug 5/10  
Don Kasel Date