

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 63-33584

Exam Date: 4/24/2013

1. Current Owner: SCOTT DOLMAN
17671 OASIS RD
CALDWELL ID 83607
(208)453-8791
2. Accompanied by: Scott Dolman & Gordon Boyd
Phone No: Same
Address: Same
Relationship to Permit Holder: Owner & Maintenance Manager

3. SOURCE TRIBUTARY
GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 63-12454
2. Other water rights with the same point of diversion: 63-12454

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

GROUND WATER	L3 NE1/4NW1/4	Sec. 6,	Twp 05N,	Rge 03W, B.M.
CANYON County				
GROUND WATER	L3 NE1/4NW1/4	Sec. 6,	Twp 05N,	Rge 03W, B.M.
CANYON County				
GROUND WATER	L3 NE1/4NW1/4	Sec. 6,	Twp 05N,	Rge 03W, B.M.
CANYON County				

Method of Determination: Arc Map (Aerial Photo); GPS 'Original Well' – Latitude N.43°48.375', Longitude W.116°44.752'; 'Well – A' – Latitude N.43°48.359', Longitude W.116°44.760'; 'Well-B' – Latitude N.43°48.366', Longitude W.116°44.757'; Datum – NAD83.

2.

PLACE OF USE: IRRIGATION

Twp Rge Sec	NE				NW				SW				SE				
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Totals
05N 03W 6					3.0												3.0
					L3												

Total Acres: 3

Method of Determination:

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>
<u>_Unknown_</u>	<u>_Unknown_</u>	<u>_5_</u>	<u>_Unknown_</u>	<u>_Unknown_</u>	<u>3"</u>
<u>_D0007438_</u>	<u>_Franklin_</u>	<u>_5_</u>	<u>_Unknown_</u>	<u>_Grundfos_</u>	<u>_SP9832_3"</u>
<u>_D0007439_</u>	<u>_Franklin_</u>	<u>_5_</u>	<u>_Unknown_</u>	<u>_Grundfos_</u>	<u>_SP9832_3"</u>

*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>
<u>_N/A_</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>
<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>

2. Measurements: No field measurement. Pop-up rotary sprinklers. Operating gauge pressure was 35 psi. Three (3) pressure tanks in mechanical room maintain operating pressure to the campground.

E. FLOW CALCULATIONS_____ Additional Computation Sheets Attached

Measured Method: (Theoretical Horsepower Equation)

$$Q = 8.8 \times 0.7 \times 15/220 + (2.31 \times 35) = 92.4/300.85 = 0.31 \text{ cfs}$$

$$Q(\text{theoretical system capacity}) = 0.31 \text{ cfs} > 0.09 \text{ cfs } Q(\text{permit})$$

$$Q(\text{theoretical} - 1 \text{ well}) = 0.10 \text{ cfs} > 0.09 \text{ cfs } Q(\text{permit})$$

$$HP = 15 \text{ (3 - 5HP Pumps)}$$

$$P = 35 \text{ psi (Gauge)}$$

$$Z = 220' \text{ (Estimated)}$$

Three ground water wells, each with a 5-hp submersible pump, provide water for the entire RV Campground.

Appears that a single well pump is capable of attaining the permit diversion rate. Therefore, the current pumping system is capable of attaining the permit diversion rate of 0.09 cfs for irrigation of the 3.0 acres of common area.

Recommend the permit diversion rate of 0.09 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 3.0 \times 4.5 = 13.5 \text{ AFA}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.09 \times 260 \times 1.9835 = 46.4 \text{ AFA}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 13.5 \text{ AFA}$$

2. Volume Calculations for Other Uses: N/A

G. NARRATIVE/REMARKS/COMMENTS**WATER SUPPLY SYSTEM:**

Three (3) ground water wells, each with 5-hp submersible pumps, provide water for the Country Corners Campground for domestic use and irrigation. The three wells discharge into a single 3" main line which discharges to three (3) pressure tanks located in a mechanical room.

IRRIGATION SYSTEM:

The 3.0 acres of common area, which includes the small lawn areas adjacent to the RV sites, are irrigated by a pressurized irrigation system with pop-up rotary sprinklers. Although the property is located within the service area of the Black Canyon Irrigation District, surface water is not available for irrigating the common areas within the campground.

OVERLAP ANALYSIS:

Point of Diversion: Water Right Permit No. 63-33584 and Water Right 63-12454 use the same wells to provide water for domestic use for the campground.

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

RATE &/OR STORAGE RECOMMENDED FOR LICENSING

Description	Rate of Flow (cfs)		Storage (af)
Permit Amount	0.09	&/or	N/A
Beneficial Use Limit	0.09	&/or	N/A
System Measurement	0.31 (theoretical)	&/or	N/A
Proof Fee Amount	0.20	&/or	N/A
Recommended Amount	0.09	&/or	N/A

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	0.090 CFS	13.5 AFA
<u>Totals:</u>		0.090 CFS	13.5 AFA

2. Recommended Amendments

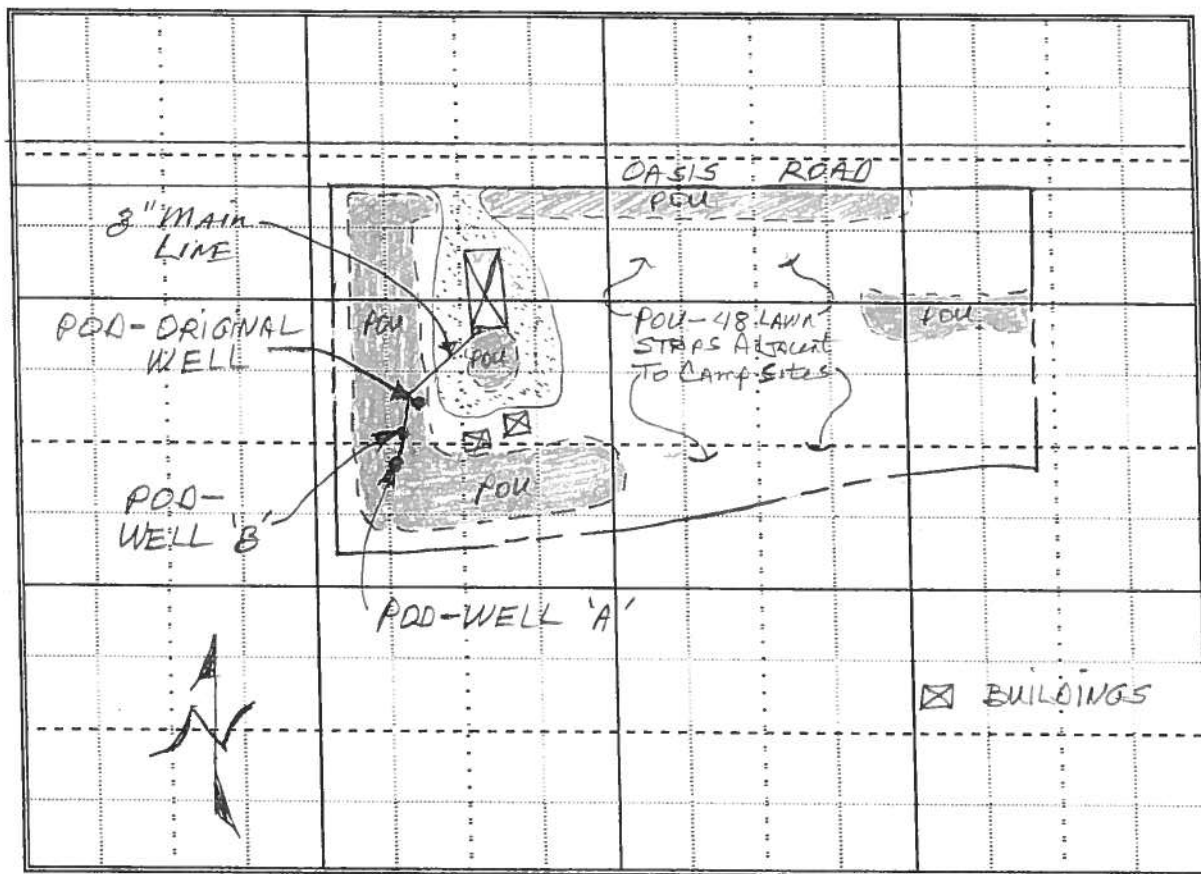
___ Change P.D. as reflected above ___ Add P.D. as reflected above ☒ None

___ Change P.U. as reflected above ___ Add P.U. as reflected above ___ Other

I. AUTHENTICATION

Field Examiner's Name Rick Collingwood Date 6/26/13
 Reviewer _____ Date _____

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.



Scale: 1" = NTS

- ☐ 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

63-33584
GOV'T. LOT 3

ESRI AERIAL PHOTO - 2012



IDAHO DEPARTMENT OF WATER RESOURCES WELL DRILLER'S REPORT

Office Use Only			
Inspected by			
Twp	Rge	Sec	
1/4	1/4	1/4	
Lat:	:	Long:	:
☒ Air		☐ Flowing Artesian	

1. WELL TAG NO. D 7438 W211-B
 DRILLING PERMIT NO. 63-98-W 0449-000-
 Other IDWR No. _____

2. OWNER: Camp Ground
 Name Kuss Wood / Country Caravan
 Address 17701 Oasis Rd
 City Calhoun State ID Zip 83605

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

N W E S		Twp. <u>5</u>	North ☒ or South ☐
		Rge. <u>3</u>	East ☐ or West ☒
		Sec. <u>6</u>	1/4 <u>NE</u> 1/4 <u>NW</u> 1/4
		Gov't Lot _____	County <u>Canyon</u> 10 acres 40 acres 160 acres
Lat: _____ Long: _____		Address of Well Site <u>17701 Oasis Rd</u>	
		City <u>Calhoun</u>	

(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/FILTER PACK			AMOUNT	METHOD
Material	From	To	Sacks or Pounds	
Bentite	4	86	51	Pour

Was drive shoe used? ☒ N ☐ Shoe Depth(s) 233
 Was drive shoe seal tested? ☒ Y ☐ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6	12	233	280	Steel	☒	☐	☒	☐
10	12	74	250	Steel	☒	☐	☒	☐

Length of Headpipe 5' Length of Tailpipe 0

9. PERFORATIONS/SCREENS

Perforations _____ Method _____
 Screens _____ Screen Type Tolson

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
235	245	20		5"	Stainless	☐	☒

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

20 ft. below ground Artesian pressure _____ lb.
 Depth flow encountered 235 ft. Describe access port or control devices: CAP

11. WELL TESTS:

☐ Pump ☐ Bailer

Yield gal./min.	Drawdown	Pumping Level	Time
150	220	220	3 1/2

Water Temp. 60 Bottom hole temp. 60

Water Quality test or comments: _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment) Water

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
10	0	3	TOP Soil		
	3	6	Brn CLAY		
	6	17	Sand & Brn CLAY		
	17	62	Sand & CLAY + Sand layers	X	
	62	88	Tan CLAY		
6"	88	98	SAND	X	
	98	172	Clay & Sand layers	X	
	172	202	Blue Clay		
	202	210	Sand	X	
	210	215	Tan CLAY Baked		
	215	225	SAND	X	
	225	235	Blue Clay		
	235	245	SAND	X	

RECEIVED

SEP 28 1998

WATER RESOURCES
WESTERN REGION

Completed Depth 245 (Measurable)
 Date: Started 9-11-98 Completed 9-14-98

13. DRILLER'S CERTIFICATION

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

Company Name T.G. Drilling Firm No. 560

Firm Official [Signature] Date 9-23-98

and Driller or Operator _____ Date _____

(Sign once if Firm Official & Operator)

FIELD EXAM PHOTOS

Water Right Permit: 63-33584

Field Exam Date: 4-24-13

PLS: NE1/4, NW1/4 Section 6, T.5N, R.03W.

Field Examiner: RC



Point of Diversion: View southeasterly of original well serving the Country Corners Campground. The 3" discharge line 'tees' into the main 3" discharge line to the three pressure tanks in the mechanical room of the office building.



Point of Diversion: View southwesterly of Well 'A' and Well 'B'. The concrete vault near Well 'B' contains the isolation valves to each 3" discharge line from the wells. The two 3" well discharge lines are connected to form one 3" main discharge line to the three pressure tanks in the mechanical room of the office building.



Place of Use: View southwesterly of the typical pop-up rotary sprinklers irrigating a common area behind the office building.



Place of Use: View northwesterly of common area west of the office building.



State of Idaho

DEPARTMENT OF WATER RESOURCES

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

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

C. L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Interim Director

April 5, 2013

Scott Dolman
17671 Oasis Road
Caldwell, ID 83607

RE: Scheduling Field Exam for Water Right Permit No. 63-33584

We are planning to **conduct water right field examinations** in the vicinity of the above-referenced permit **during the week of April 22, 2013**. An examination is needed to verify your water use in order to issue a water right license.

Please be advised that you will need to operate your system under normal operating conditions during the examination. The permit authorizes the diversion of 0.09 cfs of ground water for irrigation of 3.0 acres.

In order to conduct your exam as efficiently as possible, we ask that you call this office to schedule a day and time convenient for you. **Please call me at 208-334-2190 by April 19, 2013, to conduct the exam during the week of April 22, 2013.** If there is a problem with scheduling or conducting the examination at this time, please let me know so we can reschedule or make other arrangements.

I appreciate your attention to this matter and I look forward to hearing from you.

Sincerely,

A handwritten signature in black ink that reads "Rick Collingwood". The signature is written in a cursive, flowing style.

Rick Collingwood, P.E.
Water Resource Agent, Sr.