

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A Beneficial Use Field Report is prepared by a water right examiner as the result of an examination to clearly confirm and establish the extent of the beneficial use of water established in connection with a permit during the development period authorized by the permit and any extensions of time previously approved.

A. GENERAL INFORMATIONPermit No. 63-110411. Owner Albertsons IncPhone No. 208-385-6200Current address 250 Parkcenter Blvd., PO Box 20, Boise, ID 837262. Examiner's name Cody Parker & Ron Russell (1992)EXAM DATE 7/15/92 & 8/3/173. Accompanied by Jeremy Van Dyke

Email _____

Address _____

Relationship to permit holder _____

Phone No. 208-887-40344. Source Groundwater

tributary to _____

B. OVERLAP REVIEW1. Other water rights with the same place of use 63-11040FIRE PROTECTION USE SAME PROPERTY

2. Other water rights with the same source and point of diversion _____

C. DIVERSION AND DELIVERY SYSTEM

1. Point(s) of Diversion:

Ident. No.	Gov't Lot	1/4	1/4	1/4	Sec	Twp	Rge	County	Method of Determination/Remarks
			NE	SW	9	03N	01E	Ada	GPS, Aerial Imagery, PLS Map

2. Place(s) of Use:

Method of determination Site visit, aerial imagery

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
03N	01E	9									D			D					
											In								
											0.2								0.2

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" = _____

- ☒ 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
~~000257~~ <i>AD</i>	Franklin Electric	3	Model:2823028202		

*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

2. Measurements: _____

Domestic => Office: 20 people, 5 days/week Print shop: 30 people, 5 days/week

Industrial => Film Processing: 3 gpm, 1 hr/day Printing Plates: 3 gpm, 15 min/day Printing Presses: 10 gal/day

SEE ATTACHED

[illegible][illegible]

F. FLOW CALCULATIONS☐ Additional computation sheets attached

Measured Method:

Domestic = 0-50 fixtures, 35 gpm = 0.08 cfs, limit 0.07 cfs by the permit

Industrial = 3 gpm = 0.01 cfs

Irrigation = 0.2 acres x 0.03 cfs/acre = 0.01 cfs

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 0.2 \text{ acres} \times 4.5 \text{ afa/acre} = 0.9 \text{ afa}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = 0.02 \text{ cfs} \times 245 \text{ days} \times 1.9835 = 9.7 \text{ afa}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 0.9 \text{ afa}$$

2. Volume Calculations for Other Uses:

Domestic

$$15 \text{ gpd/person} \times 50 \text{ people} \times 5 \text{ days/week} \times 52 \text{ weeks/year} \times 1 \text{ af}/325,850 \text{ gal} = 0.6 \text{ afa}$$

Industrial

$$[(3 \text{ gpm} \times 60 \text{ min/hr} \times 5 \text{ hr/week} \times 52 \text{ weeks/year}) + (3 \text{ gpm} \times 15 \text{ min/day} \times 5 \text{ day/week} \times 52 \text{ week/year}) + (10 \text{ gal/day} \times 5 \text{ day/week} \times 52 \text{ week/year})] \times 1/325,850 = 0.2 \text{ afa}$$

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Irrigation	03/01	11/15	0.01 cfs	0.9 afa
Domestic	01/01	12/31	0.07 cfs	0.6 afa
Industrial	01/01	12/31	0.01 cfs	0.2 afa
Totals:			0.09 cfs	1.7 afa

2. Recommended Amendments

☐ Change P.D. as reflected on page 1☐ Add P.D. as reflected on page 1☒ None☐ Change P.U. as reflected on page 1☐ Add P.U. as reflected on page 1☐ Other**I. AUTHENTICATION**

Field Examiner's Signature

Date 09/11/17

Reviewer

Date 9/12/17

SEAL

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

NARRATIVE

Permit 63-11041 was approved on December 22, 1989, authorizing the diversion of 0.13 cfs from groundwater for irrigation, industrial, and domestic use. Proof of beneficial use was submitted February 23, 1990. On July 15, 1992, a field exam was completed for the permit, but no license was ever issued. At that time, the examiner provided estimates of the diversion rate and annual volume for each of the three uses listed on the permit. On August 3, 2017, I (WRA Cody Parker) visited the site to collect GPS points for two separate wells and to get photos of the distribution system. This narrative summarizes the results of both the initial field exam and the recent site visit.

The point of diversion is a 6" well which, according to the proof of beneficial use, was drilled in the summer of 1968. There is no record for the well in the IDWR database. Neither is there a metal tag welded to the well casing. GPS coordinates for the well are N 43°36'32.4" by W 116°20'43.4". These coordinates correspond to a legal description of the NESW of Sec. 9, T03N, R01E, in Ada County, B.M..

Water is diverted from the well using a 3 hp single-phase franklin electric submersible pump. A control box is located in a pump house 50 ft west of the well head. At this time, water is diverted from the well at 80 psi into irrigation lines which run to 20 separate zones of pop-up and gear driven sprinkler heads to water 0.8 acres of lawn and other landscaping bordering the property to the east and the north. Irrigation timing is controlled by a rain bird control box located in a pump house west of the well.

The place of use for the domestic component is the office area at the east end of the warehouse located within parcel no. S1109315385. Domestic water for the rest of the building was historically supplied by a separate well, though now I believe domestic water is supplied entirely by the municipal water system. From Ron's notes, the place of use for industrial use was the building located just northeast of the warehouse. This building was operated as a print shop at the time of the original exam. Domestic water was also supplied to this building. Finally, Ron estimates that the irrigation place of use is approximately 0.2 acres of lawn and landscaping east of both the print shop and the warehouse. At the time of my site visit the irrigation was the only use of the well. However, the right is being licensed as it was originally developed. The current irrigated area is more like 0.8 acres, but the right will be licensed for the 0.2 acres that were established during the development period according to Ron's report. All three uses were developed within the NESW of Sec. 9, T03N, R01E, B.M. and the domestic use also includes the SESW of the same TRS.

The examiner estimates the annual volume of domestic use from the number of employees, days worked per week, and a maximum estimate of the number of gallons per day per employee. The volume he recommends for domestic use is 0.6 afa. The volume for irrigation is based on the number of irrigated acres developed (0.2 acres) and the headgate requirement (4.5 afa/acre). Finally, the annual usage for the industrial component was based on water usage during the print

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

shop processing which came out to 0.2 afa. From his notes, the examiner recommends a total annual volume of 1.7 afa.

The diversion rate for the domestic component was estimated based on 50 water fixtures. The permitted rate of 0.07 cfs was determined to be limiting. The industrial use diversion rate was taken from the details of the print shop processing which estimates a maximum diversion rate of 3 gpm or ~ 0.01 cfs. The diversion rate for irrigation was based on the 0.03 cfs/acre standard and the observed irrigated acreage.

The original application indicates that the irrigation for this permit and for permit 63-11042 are for the same acreage. However, the examiner observed that the two wells irrigate separate areas. I confirmed this during my site visit. There is no other overlap.

AN -> POINT OF DIVERSION IS INSIDE THE BASIN 63 GROUNDWATER RESTRICTED AREA (A.P. MEMO 5) WHERE GROUNDWATER SHALLOWER THAN 200 FT IS CONSIDERED TRIBUTARY TO THE BOISE RIVER. THE WELL SERVING AS THE POD WAS DRILLED IN 1968 AND THERE IS NO CONSTRUCTION RECORD AVAILABLE TO CONFIRM DEPTH AND/OR WATER BEARING ZONE. HOWEVER, OTHER WELLS ON SAME PROPERTY AND WITHIN THE SAME 40 ACRE-TRACT WITH CONSTRUCTION DATES IN THE 1960S-1970S ARE SHALLOWER THAN 200 FT IN DEPTH MOST CLOSE TO 100 FT. THEREFORE, IT STANDS TO REASON, THE POD FOR THIS PERMIT IS LIKELY USING WATER SHALLOWER THAN 200 FT AND TRIBUTARY OF BOISE RIVER IS RECOMMENDED FOR LICENSING.

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT



Figure 1 The well head located in the NESW of Sec 9 T03N R01E B.M. There is no record of this well in the IDWR database nor is there a metal tag welded to the casing. The well was apparently constructed in 1968.



Figure 2 The power control box that sends power to the pump to divert water from the well.

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

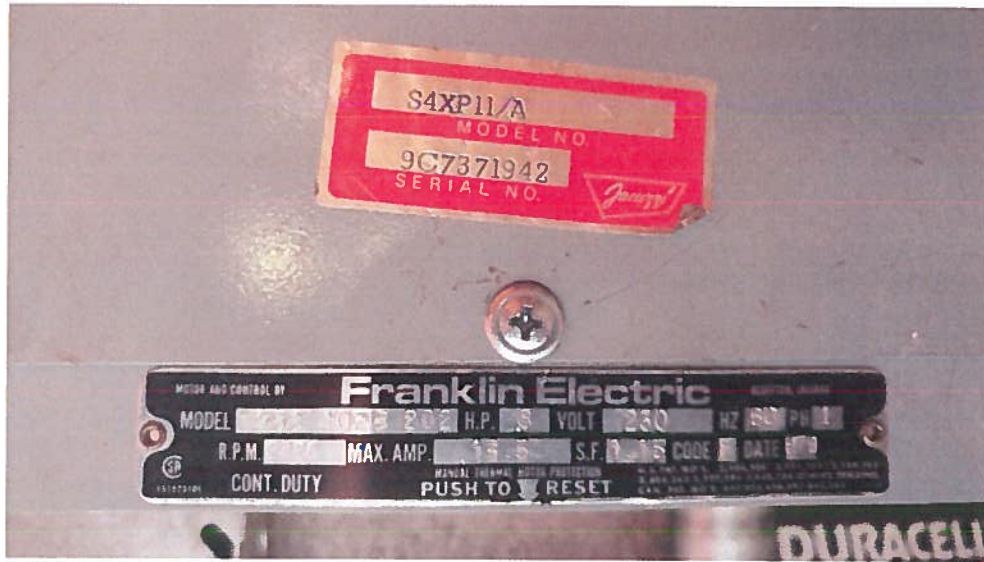


Figure 3 The tag for the Franklin Electric submersible pump. The tag shows that the pump is 3 hp.



Figure 4 The irrigation box which controls the timing of watering of 20 separate zones of pop up and gear drive sprinklers



PHOTO ONE-

The 6" well on the eastern end of the property.



PHOTO TWO-

The print shop for domestic & industrial use.



PHOTO THREE-

Printing presses for industrial use.



PHOTO FOUR-

The office (left end of building) for domestic use. Domestic systems in the two halves of the building are on separate wells.



PHOTO FIVE-

Lawn irrigated From the
east end well. Facing north.

>

PHOTO SIX-



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 4, 2017

ALBERTSONS LLC
250 PARKCENTER BLVD
PO BOX 20
BOISE ID 83726

RE: Scheduling Field Exam for Water Right Permit No. 63-11041

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, Industrial, and Domestic** uses. **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,

Cody Parker
Water Resource Agent

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