

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 21-13235
Exam Date: 08/27/2024

1. Current Owner:
ORR RED ROCK LLC 14 MEADOWLAKE DR HEATH TX 75032-8928
2. Accompanied by: Jay Bryant
Phone No: 828-230-2976
Address:
Relationship to permit Holder: Camp Manager

3. **SOURCE:**
GROUND WATER

Method of Determination: Permit and field exam, wells located.

B. OVERLAP REVIEW

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

Water Right No.	Source	Purpose of Use	Basis
21-7360	Groundwater	Commercial	Decreed
21-13269	Groundwater	Irrigation	Decreed
21-13279	Groundwater	Commercial	Permit
21-13270	Groundwater	Irrigation	Decreed

Comments: _____

2. Other water rights with the same point-of-diversion: YES Overlap

Water Right No.	Source	Purpose of Use	Basis
See #1 above			

Comments: _____

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

GROUND WATER SW¼ SW¼, Sec. 20, Twp 15N, Rge 43E, B.M. FREMONT County
GROUND WATER SW¼ SW¼, Sec. 20, Twp 15N, Rge 43E, B.M. FREMONT County

Method of Determination:

PLACE OF USE: COMMERCIAL

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
15N	43E	20											X						0.0

Method of Determination: Site Visit, PLSS in ArcMap, GPS

- 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
D0075413 Well #2		10			
D0075936 Well #1		3			

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Flowmeter	Magnetic	ModMag	M2000 Flanged	170897550661772	4"	

2. Measurements:

E. FLOW CALCULATIONS

Additional Computation Sheets Attached

Measured Method:

Portable flowmeter used on Well #1 D0075936 measured 39 GPM
 Magnetic flowmeter (installed) on Well #2 D0075413 measured 110 GPM

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$

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

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

2. Volume Calculations for Other Uses:

Commercial 13.6 AFA See Volume Calculations Worksheet

G. NARRATIVE/REMARKS/COMMENTS

There are 2 PODs associated with this permit and the other water rights on the property.

Well 1 is located on the Southwest corner of the RV park, on the north side of the laundry area. Water is connected to a pressure tank, and serves the Laundry and showers, and RV spots 1-54 (see RV park information map). Each row of RV spots is served from the mainline. The line flows on a mainline following the RV park road east and ends at a 6 foot hydrant. Each row of RV spots is serviced from the mainline.

Well 2 is located at the South end of RV row 83-89. Water flows from the well into the well house located near the well. Here it is pressurized and goes through a flowmeter before splitting into 3 mainlines and a fire suppression line. 1 mainline travels west to provide water to the Office and the rows of RV spots north of the line. Another mainline travels directly North to provide water for bath and laundry facilities on the north end of the RV park, as well as a rental Tiny House. The third line travels east to provide water for the remaining RV spots.

Irrigation is spread throughout the RV spots, main areas, and the strip of grass separating the park from the boundary fence before Red Rock Rd.

The 2 PODs associated with this permit and the other water rights can be tied together at the hydrant located east of the Office (See map). This allows them the ability to pull from either well to every water line associated with the RV Park. It is a small 2" hydrant typical of the frost free 6' hydrants you might see on smaller water systems.

Flow measured at Well #1 was 39 GPM, Well #2 was 110 GPM, totaled 149 GPM and calculates to .33 CFS. Well #1 can divert a total of .09 CFS, Well #2 can divert a total of .24 CFS. There are multiple water rights owned by Alpenglow and used at the RV park. Water rights 21-13270 and 21-13269 are irrigation rights, diverted from both wells for a combined .06 CFS. Water right 21-7360 is commercial use and has diverted from Well #1, for .04 CFS. 21-13235 was permitted for .58 CFS. However, total diversion rate found for the system was .33 CFS. 21-13235 will be licensed for .23 CFS.

There is another active permit for the RV park, # 21-13279. That permit is for an additional 80 RV Sites. Proof is due December 01, 2025.

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>	
COMMERCIAL	01/01 to 12/31	0.23 CFS	13.6

Totals: 0.23 CFS

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 Jonathan Davidson - Water Resource Agent

Field Examiner's Name Jonathan Davidson Date 10-28-2024

Reviewer Blake Jordan Date 10/28/2024

Volume Calculations

Recommended License Total = 14.1 AFA - .5 AFA (21-7360) = **13.6 AFA**

RV Park: 153 operating days/year

Full Hook Up Sites – 90

Water Use: 90 * Avg. 6 people per camper = 540 * 50 gal/person = 27000
gal/day * 153 site operating days = 4,131,000 gallons / 325,850 = **12.68 AFA**

Laundry – 3 Washers

Water Use: RV/Tent full capacity = 540 people * 1 wash/week (22 weeks in operating season) = 11,880 washes * 50 gallons = 594,000 gallons / 325,850 = 1.82 AFA / 2 = **.9 AFA** assumed half of people are washing clothes during stay.

Cabin/Tiny home: Kitchen full and full bath, 8 person capacity

Water Use: 8 people * 50 gal/person = 400 * 153 = 61,200 gallons / 325850 = **.18 AFA**

Shower house/Bathhouse.

Water Use: 540 people * 10 gallons = 5,400 * 1 shower per week (22) =
118,800 gal / 325,850 = **.36 AFA**





Well #1 D0075936Well Pump meter



This is where they can tie in the 2 wells together



☉ 172°S (T) ☉ 44°36'13.45"N, 111°24'50.82"W ±16ft ▲ 6566ft



Well #2 D0075413

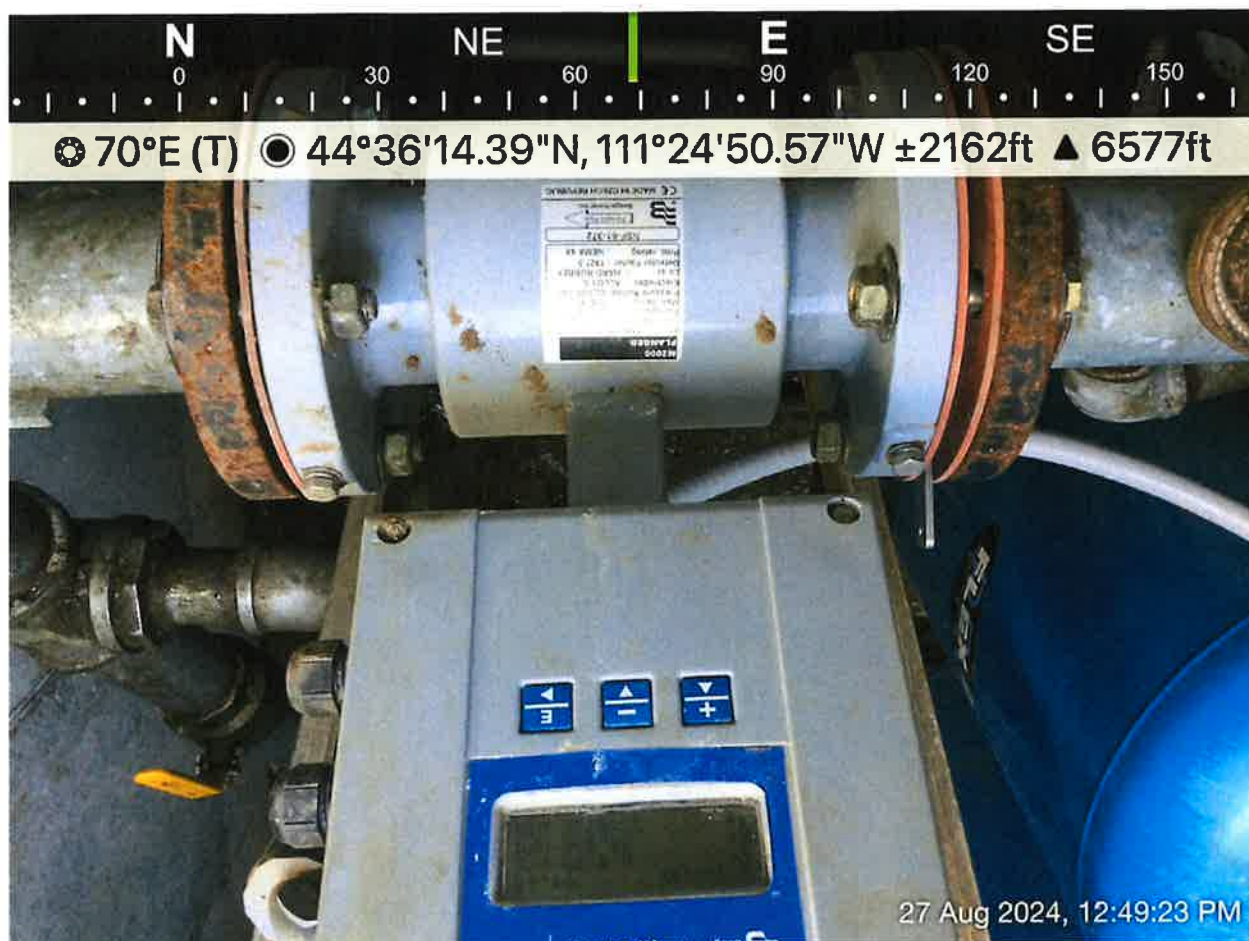


☉ 180°S (T) ● 44°36'13.36"N, 111°24'50.87"W ±16ft ▲ 6580ft



27 Aug 2024, 12:44:04 PM

fire suppression



Flowmeter on Well #2



Well System #2



02



Click on a site number (or **X**) to explore the corresponding site in 360 degrees.

Click on the map icon on image page to return to this site map.

Click <i> for help.



TINY HOME RENTAL



Interactive Site Map

X 360 degree Aerial view of Henry's Lake

X 360 degree Aerial view of RV Park

X Overhead aerial view of sites

X Annotated view

FIRE PIT &
DOG PARK