

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 94-9366

Exam Date: 07/09/2018

1. Current Owner:
ROY NICKERSON PO BOX 519 SMELTERVILLE ID 83868
2. Accompanied by: Steve Masterson
Phone No: 208-755-3704
Relationship to permit Holder: Personal representative to the estate.

3. SOURCE: GROUND WATER

Method of Determination: Arcmap and DRG

B. OVERLAP REVIEW

1. Other water rights with the same place of use: None

Water Right No.	Source	Purpose of Use	Basis

Comments: _____

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

Water Right No.	Source	Purpose of Use	Basis

Comments: _____

C. DIVERSION AND DELIVERY SYSTEM

1. LOCATION OF POINT(S) OF DIVERSION:

GROUND WATER L3 (NW¼ NE¼), Sec. 8, Twp 49N, Rge 02E, B.M. SHOSHONE County

Method of Determination: Maps and GPS. POD located at -116° 13.829, 47° 36.843 (D0054069) given IDWR tag A0020199.

PLACE OF USE: IRRIGATION

[illegible]

Total Acres: 3.1

PLACE OF USE: STOCKWATER

[illegible]

PLACE OF USE: DOMESTIC

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
49N	02E	8		X L3															

Method of Determination:

3.

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

X

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.

X

Aerial Photo Attached (required for irrigation of 10+ acres).

X

Photo of Diversion and System Attached

X

4.

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
D0054069	FRANKLIN	1.5			

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
5 GALLON BUCKET						

2. Measurements: 5 gallon bucket test filled in 23.4 sec, 22.7 sec, and 23.1 sec for an average of 23.1 seconds.

5 gal / 23.1 sec X 60 sec = 13.0 gpm or 0.03 cfs.

448.8 gpm
255

E. FLOW CALCULATIONS

Additional Computation Sheets Attached

Measured Method: N/A

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 3.1 \text{ AC} \times 3.0 \text{ AF} = 9.3 \text{ AF}$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.03 \times 214 \times 1.9835 = 12.7 \text{ AF}$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = 9.3 \text{ AF}$$

2. Volume Calculations for Other Uses:

$$\text{Domestic use for 16 RV sites} = 16 \text{ RV's} \times 50 \text{ GPD} \times 152 \text{ DAYS} = 121,600 \text{ GPY} / 325,850 = 0.4 \text{ AF}$$

$$\text{Stockwater for 25 head of mixed stock} = 25 \text{ STOCK} \times 12 \text{ GPD} \times 365 \text{ DAYS} = 109,500 \text{ GPY} / 325,850 = 0.3 \text{ AF}$$

G. NARRATIVE/REMARKS/COMMENTS

The applicant passed away during the permit period so a field exam was performed with Steve Masterson, personal representative to the estate. The exam showed a well, D0054069, being used for domestic use for an RV Park, irrigation, and stockwatering. The permit was issued for two groundwater points of diversions but will only be licensed for one. There was a hand dug well on the property but was not in use and presumably had not been used since the drilled well had been installed. The drilled well was equipped with a 1.5hp pump and no pressure tanks or storage could be found on the property. A 5 gallon bucket test was performed in an average of 23.1 seconds which is equal to 13 gpm or 0.03 cfs.

The RV Park had 16 spots that were all equipped with water and sewer. Each spot will be given a daily volume of 50 gallons and the park is open on average from May 1 to September 30. The volume for the domestic use in the RV's will be 0.4 acre-feet based upon the daily allowance per site and the average number of operating days. The park would irrigate at times during the summer to green up the grassy areas. Some of the park customers would irrigate around their trailers in addition to the park irrigating common areas. The area of irrigation was traced out to equal 3.1 acres and will be given an annual volume of 9.3 acre-feet. The applicant did run livestock on the property before his passing. The corals and stockwatering tanks were still present on the property even though there had been no stock in the past 3 years. The representative said that Mr. Nickerson mainly had horses and cattle on the property. The annual volume for stockwatering will be 0.3 acre-feet. The license will be issued with a diversion rate of 0.03 cfs with an overall annual volume of 10.0 acre-feet.

Condition 046 will be removed from the license. Condition R62 will be replaced by R66 because the actual irrigation occurring is less than 5 acres. Condition X04 will be replaced by 132 to show the number of domestic uses and also describe the irrigation component being separate. All other conditions will remain on the license. There are no overlap concerns.

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>Rate of Diversion</u>	<u>Annual Volume</u>
IRRIGATION	04/01 to 10/31	0.03 CFS	9.3 AF
STOCKWATER	01/01 to 12/31	0.02 CFS	0.3 AF
DOMESTIC	01/01 to 12/31	0.03 CFS	0.4 AF

Totals:

0.03 CFS

10.0 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

Adam Frederick - Water Resource Agent, Senior

Field Examiner's Name Adam Frederick Date 11/12/2019
Reviewer Douglas Jones P.E. Date 12/30/2019

State of Idaho
Department of Water Resources
Attachment to Field Exam
94-9366

DOMESTIC and IRRIGATION / SYSTEM DIAGRAM

02E



- Point of Diversion
- Place Of Use Boundary
- Townships
- PLS Sections
- Quarter Quarters

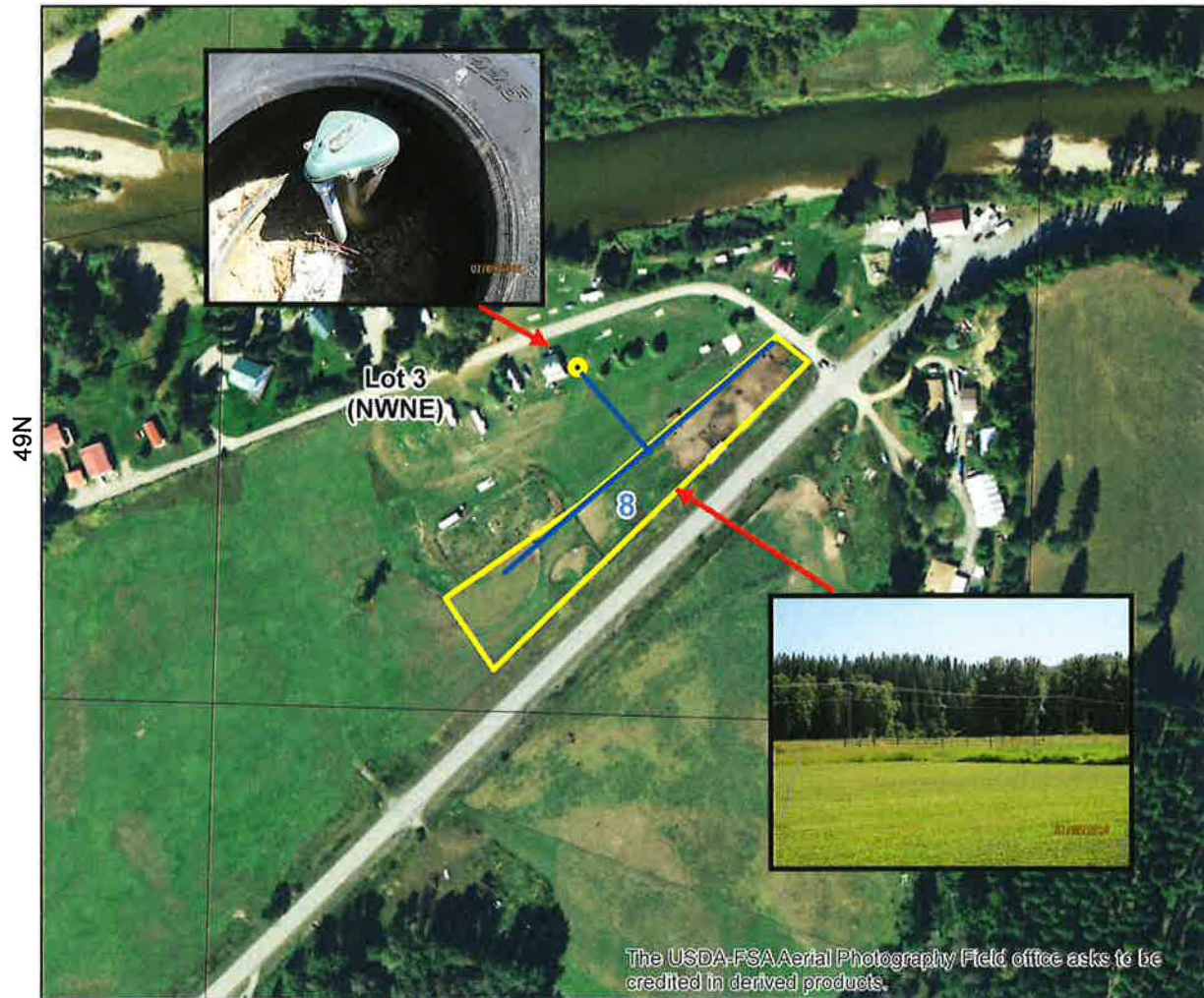
0 0.035 0.07 0.14 Miles



State of Idaho
Department of Water Resources
Attachment to Field Exam
94-9366

STOCKWATER / SYSTEM DIAGRAM

02E



- Point of Diversion
- Place Of Use Boundary
- Townships
- PLS Sections
- Quarter Quarters

0 0.035 0.07 0.14 Miles



IDAHO DEPARTMENT OF WATER RESOURCES WELL DRILLER'S REPORT

Location Corrected by IDWR To:
T49N R02E Sec. 8 NWNESE
By: mciscell 2013-10-21

1. WELL TAG NO. D0054069

DRILLING PERMIT N

Other IDWR No

2. OWNER:

Name **Roy Nickerson**

Address P O Box 519

City Smelterville

State ID

Zip 83868

3. LOCATION OF WELL by legal description:

N
W E
S
Twp 49N North ☒ or South ☐
Rge 02E East ☐ or West ☒
Sec 08 1/4 SW 1/4 NE 1/4
10 Ac 40 Ac 160 Ac
Gov't Lot County Shoshone
Lat 47:36:50 Long 116:13:49

Address of Well Site: (see next line)

first left past bumble bee bridge

City kingston

Lot Blk Sub. Name (see next line)

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/Lbs	
bentonite	0	20	15 sacks	dry pour

Drive Shoe Used? ☒ Y ☐ N Shoe Depth(s) 100

Drive Shoe Seal Tested? ☐ Y ☒ N How?

8. CASING/LINER

Diam	From	To	Gauge	Material	Casng	Liner	Weld	Thrded
6	+2	100	0.250	steel	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length Headpipe n/a Length Tailpipe n/a

9. PERFORATIONS/SCREENS

☐ Perforations? Method

☐ Screens? Screen Type n/a

From	To	Slot	Nmbr	Diam	Material	Casng	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL or ARTESIAN PRESSURE

-20 ft. below ground. Artesian pressure 0 lb.

Depth flow encountered 20 ft. Describe access port or

control devices: cap welded

11. WELL TESTS

☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pump Level	Time
60 gpm	100%	100	2hrs

Water Temp. cold Bottom hole temp. cold

Water Quality test or comments: (below) Depth first Water Encountered 20
cap welded

12. LITHOLOGIC LOG (Describe repairs or abandonment)

Bore Diam	From	To	Remarks: Lithology, Water Quality and Temperature	Water	
				Y	N
10	0	5	sand codies	☐	☒
10	5	15	clay brown	☐	☒
10	15	38	cemented sand gravel	☒	☐
8	38	68	clay gray silty	☒	☐
8	68	100	sand gravel mix 1/2 minus	☒	☐

RECEIVED

SEP 27 2013

IDWR/North

Completed Dept 100 (Measurable)
Date: Started 9/10/2007 Completed 9/10/2007

13. DRILLERS CERTIFICATION

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

Firm Name United Drilling Inc.

Firm No 414

Firm Official and

Timothy R. Volking

Date 9/17/2007

Supervisor or Operator Timothy R. Volking

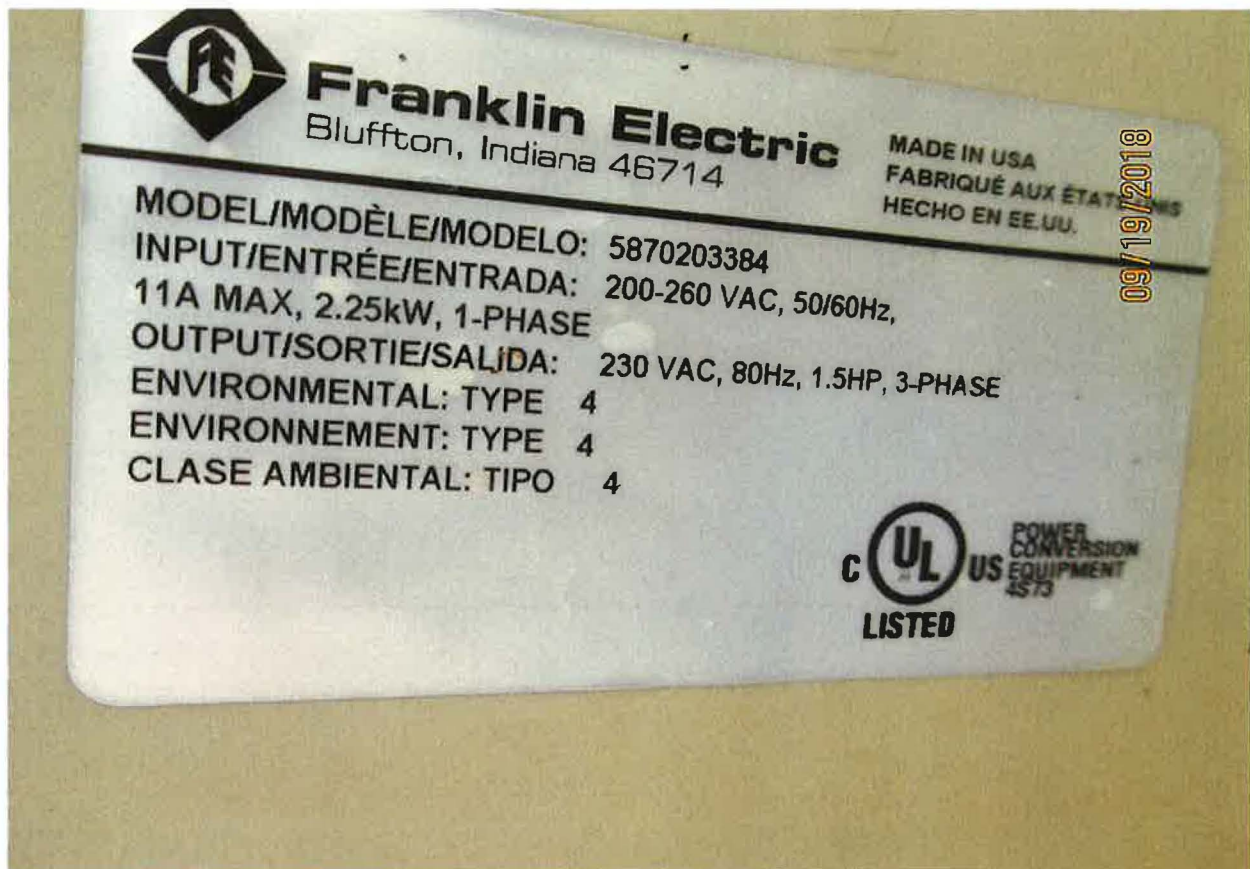
Date 9/17/2007



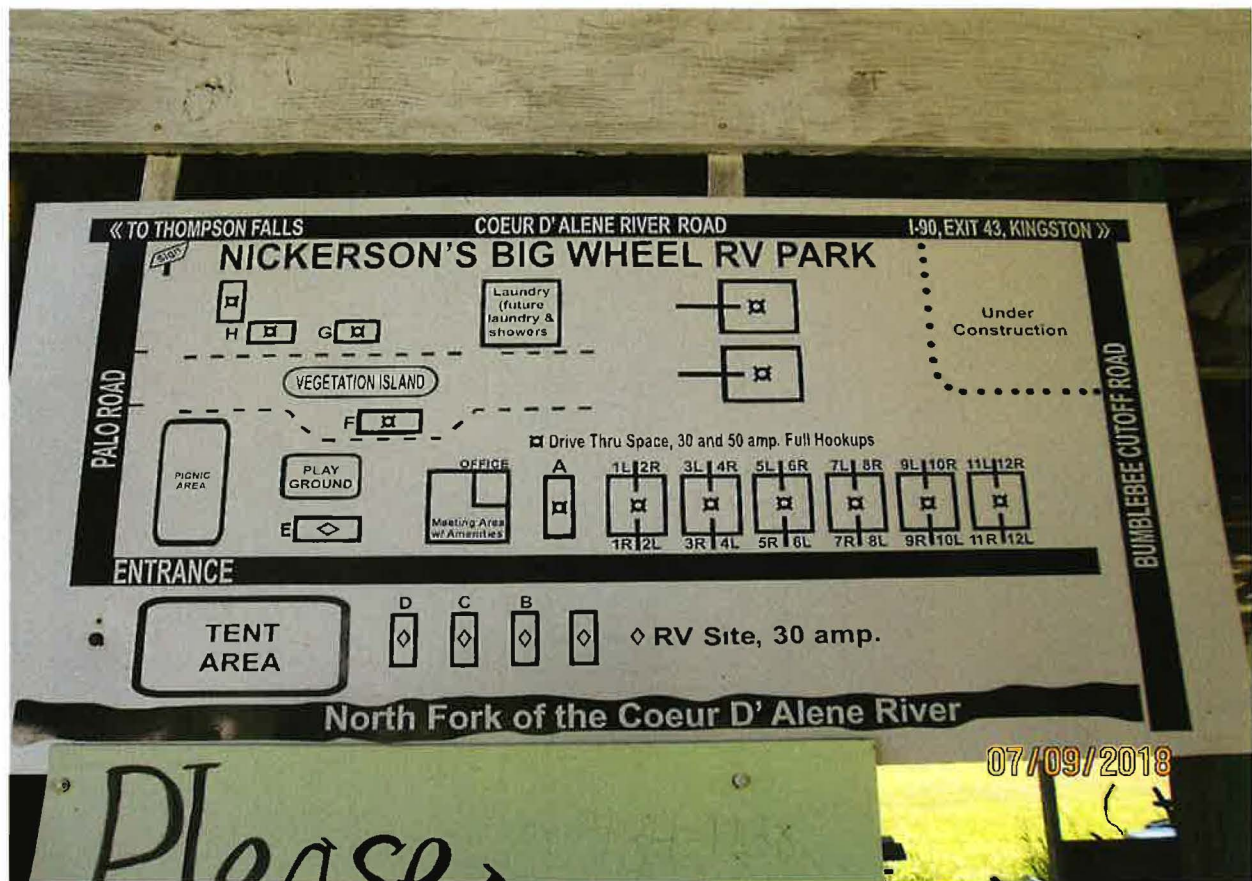
Well D0054069 given IDWR tag A0020199.



Well tag D0054069.



1.5hp three phase pump in well.



Overview map of property and locations.



Domestic and irrigation POU.



Domestic and irrigation POU.





Domestic and irrigation POU.





Stockwater POU.



Irrigation.



Irrigation.