

10/19/2006

IDAHO DEPARTMENT OF WATER RESOURCES
PRELIMINARY RECOMMENDATION OF WATER RIGHTS ACQUIRED UNDER STATE LAW

RIGHT NUMBER: 67-4310

NAME AND ADDRESS: JOHNNY L GOFF
926 HOT SPRINGS RD
WEISER ID 83672

SOURCE: GROUND WATER

TRIBUTARY:

QUANTITY: 0.780 CFS
62.900 AFY

Right Nos. 67-2114 and 67-4310 are limited to a total combined diversion rate of 0.93 cfs for irrigation purposes.

This right is limited to the diversion of 0.456 cfs and 37.63 afy of water with a temperature greater than 85 degrees Fahrenheit.

PRIORITY DATE: 01/01/1917

POINT OF DIVERSION:

T11N R06W S10 SWSW Within WASHINGTON County
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PURPOSE AND
PERIOD OF USE:

<u>PURPOSE OF USE</u>	<u>PERIOD OF USE</u>	<u>QUANTITY</u>
IRRIGATION FROM STORAGE	03/01 11/15	0.33 AFY
DOMESTIC	01/01 12/31	0.240 CFS 4.80 AFY
DIVERSION TO STORAGE	01/01 12/31	0.110 CFS
HEATING	01/01 12/31	0.100 CFS 12.60 AFY
IRRIGATION STORAGE	01/01 12/31	0.33 AFY
STOCKWATER	01/01 12/31	0.020 CFS 0.70 AFY
COMMERCIAL	01/01 12/31	0.450 CFS 21.50 AFY
IRRIGATION	03/01 11/15	0.170 CFS 37.10 AFY
FISH PROPAGATION	01/01 12/31	0.040 CFS 0.33 AFY

PLACE OF USE: IRRIGATION Within WASHINGTON County

T11N R06W S10 SWSW 7.00 T11N R06W S10 SESW 1.00

IRRIGATION STORAGE Within WASHINGTON County

T11N R06W S10 SWSW

STOCKWATER Within WASHINGTON County

T11N R06W S10 SWSW

COMMERCIAL Within WASHINGTON County

T11N R06W S10 SWSW

FISH PROPAGATION Within WASHINGTON County

10/19/2006

IDAHO DEPARTMENT OF WATER RESOURCES
PRELIMINARY RECOMMENDATION OF WATER RIGHTS ACQUIRED UNDER STATE LAW

T11N R06W S10 SWSW

DIVERSION TO STORAGE Within WASHINGTON County

T11N R06W S10 SWSW

IRRIGATION FROM STORAGE same as IRRIGATION

8 ACRES TOTAL

Right Nos. 67-2114 and 67-4310 are limited to the irrigation of a combined total of 46.5 acres in a single irrigation season.

OTHER PROVISIONS NECESSARY FOR DEFINITION OR ADMINISTRATION OF THIS WATER RIGHT:

This partial decree is subject to such general provisions necessary for the definition of the rights or for the efficient administration of the water rights as may be ultimately determined by the Court at a point in time no later than the entry of a final unified decree. Section 42-1412(6), Idaho Code.

EXPLANATORY MATERIAL: BASIS OF CLAIM - Beneficial Use

Water temperature measured at 189 degrees F. from points of diversion #A0016732 - #A0016735.

Water temperature measured at 150 degrees F. from point of diversion #A0016730.

Right No. 67-10817 is also diverted through point of diversion described above.



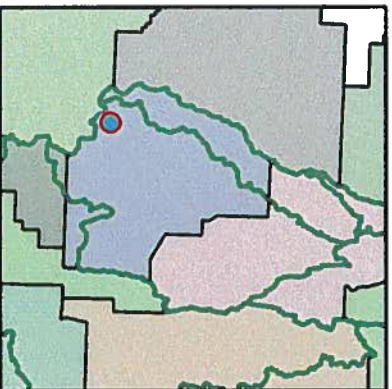
Idaho Department of Water Resources

SRBA Recommendation:

67-4310

Legend

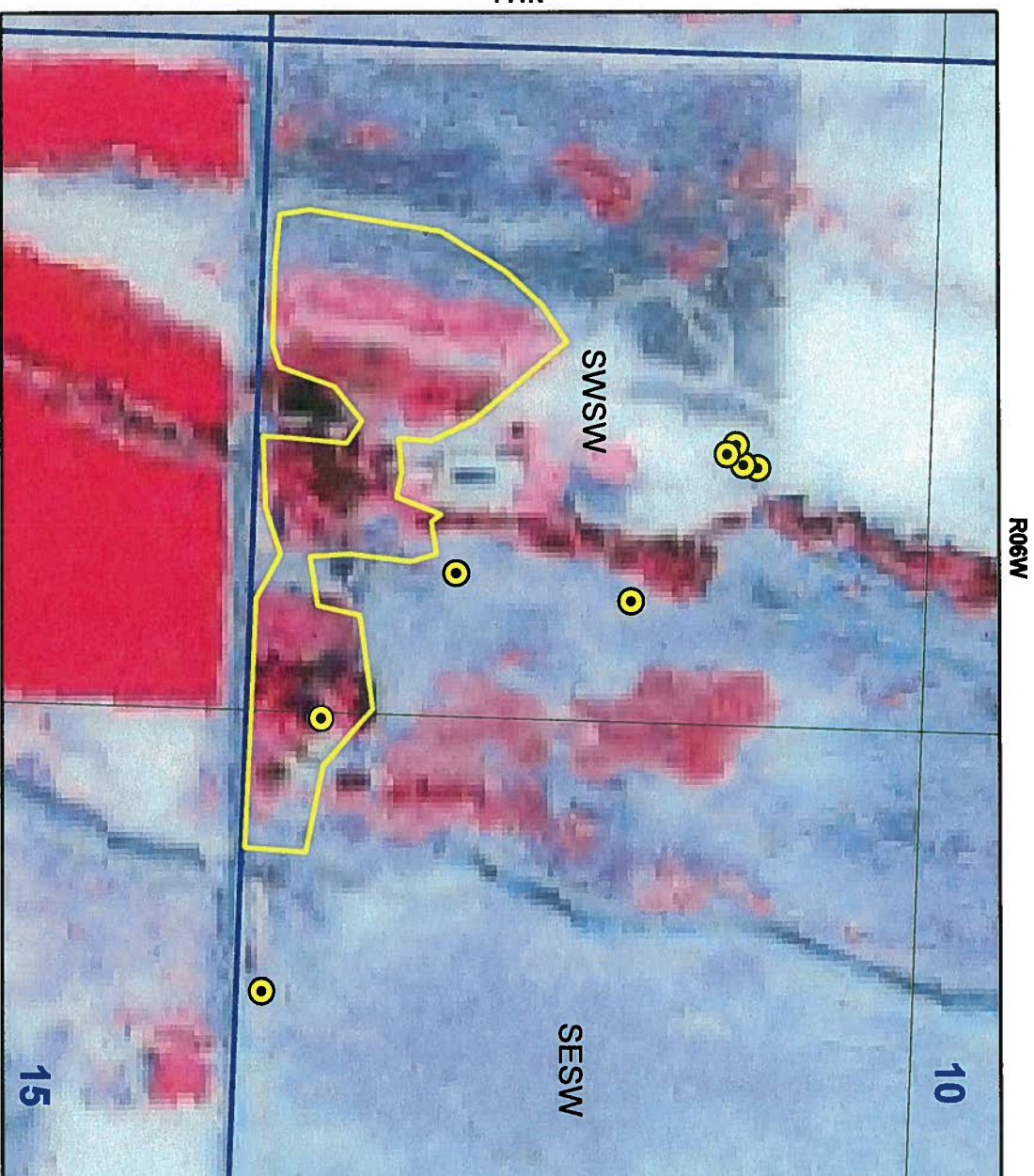
-  Point of Diversion
-  Place of Use
-  Townships
-  PLS Sections
-  Quarter Quarters



Washington County
IDWR Basin 67



T11N



Prepared by J. Dean
On Thursday, October 19, 2006
1987/88 Aerial Photography

Idaho Dept. of Water Resources
322 E. Front St. Boise, ID
October 19, 2006

To: 67-4310 Claim File
From: Jennifer Dean
Subject: Diversion Rate and Volume Calculations

This claim is complex and required extensive calculations to determine the diversion rates and volumes for the various components. This memo addresses the methods that were used to calculate these rates and volumes. It also describes the way the total diversion and total volume were obtained. Additionally, the information sources that were used are described.

The domestic use for this claim was defined as the use for any residence that was on the property. This includes 6 apartments and 2 houses. Two methods were used to calculate diversion rates and volumes for the domestic uses. The first method was to use the number and the type of fixtures to determine the diversion rate and volume. From a page provided by the department that listed the number of gallons per minute (gpm) for different household fixtures, I used the following values: 6 gpm for a shower, 8 gpm for a bathtub, 5 gpm for a toilet, and 5 gpm for a sink. To obtain the diversion rate, the number of fixtures was multiplied by the gpm for each fixture. This number was then converted to a diversion rate in cubic feet per second (cfs). Using the number of hours per week that water is being utilized for a unit, the gpm was converted to acre-feet per year (afy).

The second method for calculating water for domestic use was to multiply the number of units by the standard for each unit. The department standards are 0.04 cfs per unit and 0.6 afy per unit. The second method yielded a smaller diversion rate in all cases. This was determined to be a better estimate because it is based on the standards already established by the department. When the domestic component was calculated it was greater than what was claimed and so the smaller calculation also makes sense from that perspective.

The commercial component of this claim is made up of several different kinds of uses. The following uses were all defined as commercial uses: changing facilities, laundry, hot tubs, swimming pool, RV hook-ups, and camping facilities. For the majority of these uses, I could not find a standard method for calculating the diversion rate, so a standard of 0.04 cfs was assumed. This applied to the laundry, hot tubs, swimming pool, and camping uses. The diversion rate for RV hook-ups was assumed to be 0.01 cfs per RV for a total diversion of 0.15 cfs. The diversion rate and volume for the changing facility were calculated according to the first method used for the domestic use associated with this claim. The volume limits for the hot tubs and swimming pools were calculated by determining the volume of each tub or pool by multiplying the length by the width by the average depth. The volume limits for the laundry, RV hook-ups, and camping facilities were calculated according to standard water requirements based on occupancy.

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322 E. Front St. Boise, ID
October 19, 2006**

The laundry assumes 50 gallons per load. The number of loads per day was estimated based on conversation with the claimant that indicated the laundry facility was well used as well as the fact that it serves several residencies. The method for obtaining a volume for the RV hook-ups involved figuring the number of days that RVs were hooked up based on different occupancy rates. A volume of 50 gallons per RV per day was obtained from a sheet of standard water requirements. This was used to obtain the total volume per year. The volume for camping facilities was calculated by figuring out the number of campers per year and then multiplying that by the standard of 35 gallons per camper per day. All of the volumes obtained in gallons per year were then converted to afy.

The heating use for this claim is the heating of 4 buildings on the property. The heating requirement for each building was calculated separately. The information on heating calculations was taken primarily from Application Processing Memo #23 and the water rights file for 63-10560. The first step in calculating the diversion rate and volume for a heating requirement is to calculate the design heat load in BTU/hr. This is calculated according to the following equation:

$$E = [e * \Delta T] A f$$

where: E = BTU/hr required

e = House efficiency factor, BTU/hr-ft²-°F, see Memo #23

ΔT = Design Temperature difference, (t_i-t_o), °F

t_i = inside temperature, °F

t_o = outside temperature, °F

A = Area of floor space, ft²

f = two-story house factor, 0.8 for a two-story house or 1 for a single-story house

The design heat load is used to calculate the required diversion rate. The following equation is used:

$$Q = \frac{E}{500(\Delta T_s)}$$

where: Q = Flow rate, gpm

E = design heat load, BTU/hr

ΔT_s = Temperature drop across system, [0.3(t_s - t_i)], °F

t_s = source temperature, °F

Two methods were used to calculate the diversion volume. Both volumes were calculated and the smaller of the two diversion volumes was used in the total volume calculation. The first method uses the number of gallons per minute and the number of days per season to

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calculate a volume in afy. The second method uses the following equation to calculate the volume:

$$V = \frac{E * DD * 24 * C_D}{\Delta t_1 * k * c * \Delta t_2}$$

where: V = Volume, units determined in equation

E = design heat load, BTU/hr

DD = annual heating degree days, obtained from climatology data

24 = hours/day

C_D = empirical correction factor for heating effect vs. 65 F degree days, obtained from chart in 63-10560, memo from Rick Sterling, p.3

Δt₁ = design temperature difference, (t_i-t_o), °F

t_i = inside temperature, °F

t_o = outside temperature, °F

k = correction factor for system inefficiencies, use 0.9

C = constant to correct for desired units

for V in acre-feet use C = 2.72x10⁶ BTU/AF-°F

for V in gallons use C = 8.33 BTU/gal-°F

for V in ft³ use C = 62.4 BTU/ft³-°F

Δt₂ = temperature drop across system, (t_s-t_e), °F

t_s = source temperature, °F

t_e = effluent temperature, °F

For fish propagation rights, I could not find a standard method for calculating the diversion rate, so a standard of 0.04 cfs was assumed. The annual volume recommended for fish propagation was the total volume of the pond. The pond volume was calculated by assuming an elliptical surface and a rounded bottom. For the elliptical surface, the surface area was calculated according to the following equation:

$$A = \frac{l}{2} * \frac{s}{2} * \pi$$

where: l = long side

s = short side

Because the pond has a rounded bottom, the volume was then calculated by multiplying the surface area, A, by the depth of the pond by 0.4. The volume of the pond was also used as the volume limit for Irrigation Storage and Irrigation from Storage uses.

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The diversion rates and volumes for irrigation and stockwater were recommended according to the department standards. The diversion rate for irrigation was calculated by multiplying 0.02 cfs by the number of acres. The diversion volume for irrigation was calculated by multiplying 4.5 by the number of acres. From the field exam it appeared that there were fewer than 50 head of stock; therefore, the diversion rate was recommended at 0.02 cfs and the diversion volume was recommended at 0.7 afy, the standard for that number of stock.

Calculation of the diversion rate for the Diversion to Storage use and the total diversion and total volume required analysis of the system. The system was first mapped out on a GIS map using information supplied by the claimant. Then the system was diagrammed using a flow chart. The flow chart shows that some of the water use is directly from the source, while other water fulfills multiple uses before it is used consumptively. For the water uses that are successive, the total diversion rate should be the maximum diversion rate of any one use. For the water uses that are not successive, the total diversion rate should be the sum of all the water uses. For this claim the total diversion is the sum of water use in the pool facility, laundry, camping facilities, RV hook-ups, all domestic uses, and irrigation. The irrigation represents the maximum diversion rate between heating, pool, hot tubs, pond storage, and irrigation uses. The diversion to storage component is also the same amount as the irrigation component. That is because the diversion to storage should be limited to the maximum non-consumptive water use along its path.

The use of both hot and cold wells was a complicating factor for this claim. Because of the limited nature of geothermal resources it was important to distinguish the diversion rates and volumes for the hot water sources. See Idaho Code § 42-233. The total hot water diversion was obtained by adding up all of the consumptive uses that were from geothermal sources. This included the irrigation from the pond and half of the diversion rate and volume for the pool facility, laundry, camping facilities, RV hook-ups, and all domestic uses. The other half of the diversion rate and volume for these uses is assumed to be cold water coming from other wells.

In summary, this claim was complicated to review. There may have been multiple methods that could have been used to determine the diversion rates and volumes for this claim. I used information provided to me within the office and other department standards where appropriate. The methods used seem logical to me and in line with other water rights and adjudication recommendations that I have seen.

Lodge

- 2 apartments (1 used to be banquet hall)
 - 5 sinks, 3 toilets, 3 showers/tubs
- changing facilities
 - 2 sinks, 6 toilets, 4 showers
- laundry
 - 2 washer hook-ups
- hot tubs
 - 2 – 6x10, 6 – 5x3
- pool
 - 40x100x2-10
- 5000 sq feet heated

Greenhouse

- 1 greenhouse
- 2 studio apartments
 - 4 sinks, 2 toilets, 2 showers/tubs
- irrigated from pond water
 - ¼ acre irrigated (.005 cfs)
- 7000 sq feet heated

RV apartments

- 2 studio apartments
 - 4 sinks, 2 toilets, 2 showers/tubs
- electrically heated

3-bedroom house

- 1 ½ bath, 3 bedrooms
 - 3 sinks, 2 toilets, 1 shower/tub
- 1134 sq feet heated

Guest cottage

- 1 bath
 - 2 sinks, 1 toilet, 1 shower/tub
- 900 sq feet heated

RV hook-ups

- full service (power, water, sewer)
- 15 hook-ups
- 4 hook-ups have year-round occupancy
 - $4 * 365 = 1460$ days
- 90-95% occupancy on remaining sites (11) from April – November
 - April – November 230 days/ 365 days
 - $11 * 230 * 0.95 = 2404$ days
- additional occupancy (5%) outside of peak season for remaining sites (11)
 - December – March 135 days/365 days
 - $11 * 135 * 0.05 = 75$ days

Camping facilities

- 2 public restrooms
 - 4 sinks, 4 toilets, 2 showers
- 2 domestic spigots in park
- no established sites, people estimates based on property size
 - 5-10 tents, 2-3 people/tent, April – November (230 days)
 - $5 * 3 * 230 = 3450$ people/year

Water Requirements for 67-4310

Claim Number:

67-4310

Claimant:

Goff

	Diversion Rate	Volume	Consumptive Use
Lodge			
Apartments	0.0800	1.2000	Y
Changing Facilities	0.1426	18.3765	Y
Laundry	0.0400	1.0050	Y
Hot Tubs	0.0400	0.0145	N
Swimming Pool	0.0400	0.5510	N
Heating	0.0366	4.1135	N
Total	0.3792	25.2604	
Greenhouse			
Apartments	0.0800	1.2000	Y
Irrigation	0.0050	1.1250	Y
Heating	0.0501	7.1987	N
Total	0.1351	9.5237	
RV Apartments			
Apartments	0.0800	1.2000	Y
Total	0.0800	1.2000	
3-Bed House			
House	0.0400	0.6000	Y
Heating	0.0063	0.7039	N
Total	0.0463	1.3039	
Guest Cottage			
House	0.0400	0.6000	Y
Heating	0.0050	0.5587	N
Total	0.0450	1.1587	
RV Hook-ups			
Full Service Hook-ups	0.1500	1.2080	Y
Total	0.1500	1.2080	
Camping Facilities			
All Uses	0.0400	0.3704	Y
Total	0.0400	0.3704	
Pond			
Fish Propegation	0.0400	0.3245	N
Total	0.0400	0.3245	
Irrigation			
Pond Irrigation	0.1100	24.7500	Y
Cold Irrigation	0.0500	11.2500	Y
Total	0.1600	36.0000	
Total			
Total	1.0755	76.3496	

Total by Type of Use	Diversion Rate	Volume
Domestic	0.3200	4.8000
Commercial	0.4526	21.5252
Heating	0.0979	12.5748
Fish Propegation	0.0400	0.3245
Irrigation	0.1650	37.1250
Total	1.0755	76.3496

Total Consumptive Use	0.8576	62.8848
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Initial Consumptive Use	0.7476	38.1348
Total Heating	0.0979	12.5748
Total Pool/Hot Tubs	0.0800	0.5654
Total Pond	0.0400	0.3245
Irrigation from Pond	0.1100	24.7500

Total Hot Water Use	0.6742	51.0947
Total Cold Water Use	0.4013	25.2549
Total	1.0755	76.3496

Consumptive Hot Water	0.4563	37.6299
Consumptive Cold Water	0.4013	25.2549
Total	0.8576	62.8848

Claimed	Diversion Rate	Volume
Domestic	0.2400	
Commercial	1.5000	
Heating		
Fish Propegation	0.7000	
Stockwater	0.0200	
Irrigation	1.2000	
Total	3.6600	

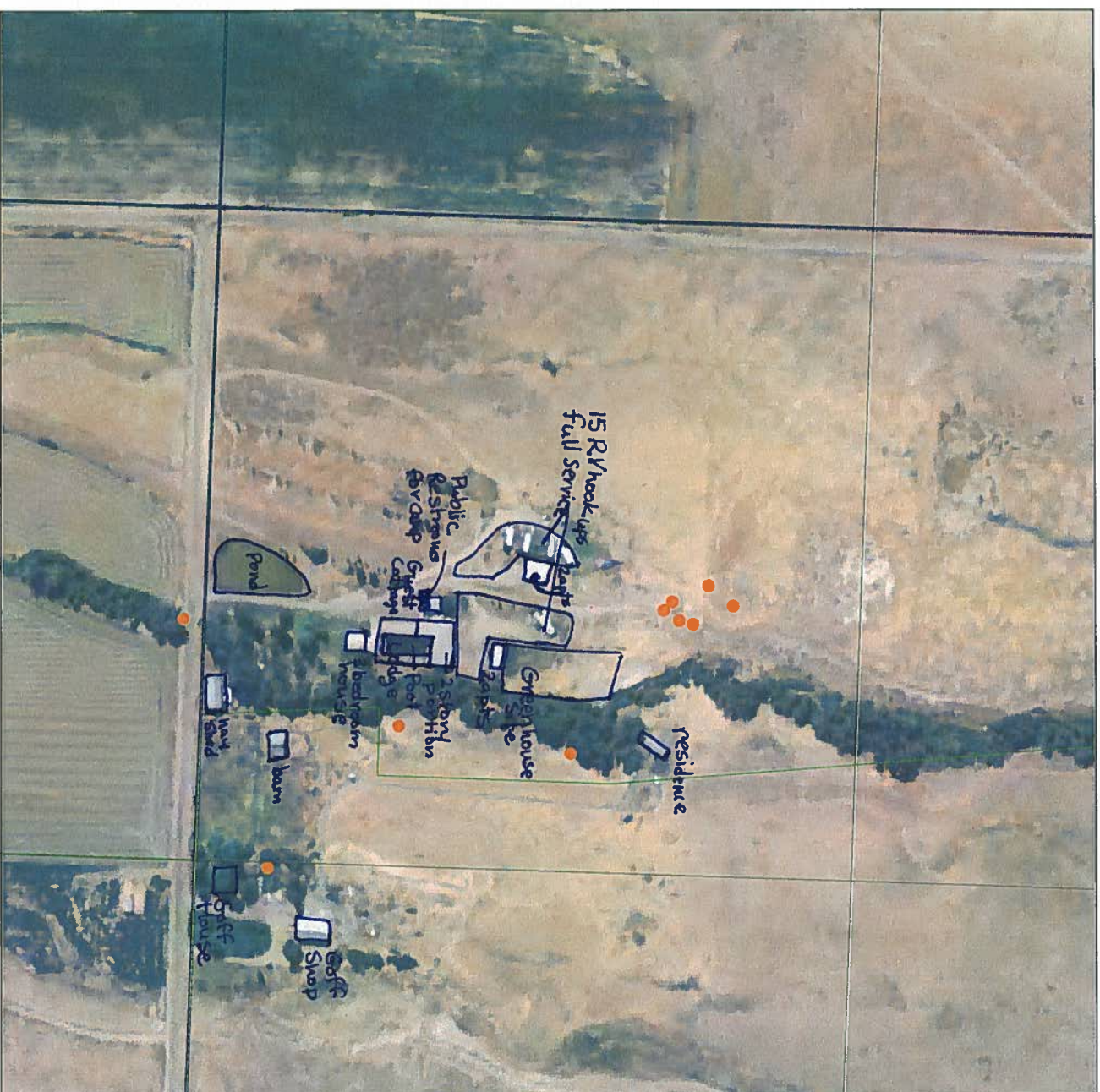
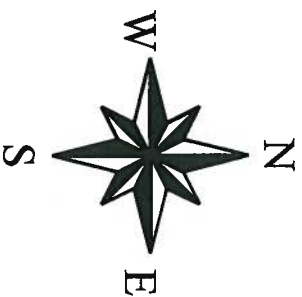
Recommended	Diversion Rate	Volume
Domestic	0.2400	4.8000
Commercial	0.4526	21.5252
Heating	0.0979	12.5748
Fish Propegation	0.0400	0.3245
Stockwater	0.0200	0.7000
Irrigation	0.1650	37.1250
Irrigation Storage		0.3245
Irrigation from Storage		0.3245
Diversion to Storage	0.1100	
Total	1.1255	77.6985
Recommended Total	0.7800	62.8800

Idaho Department of Water Resources

Claim Number:

67-4310

- Washington taxlots
- GCDB11N06W GCDB
- Roger all pts (1).shp
- Sections
- Administrative BasinsAdminbas.shp



2004 NAIP Photo



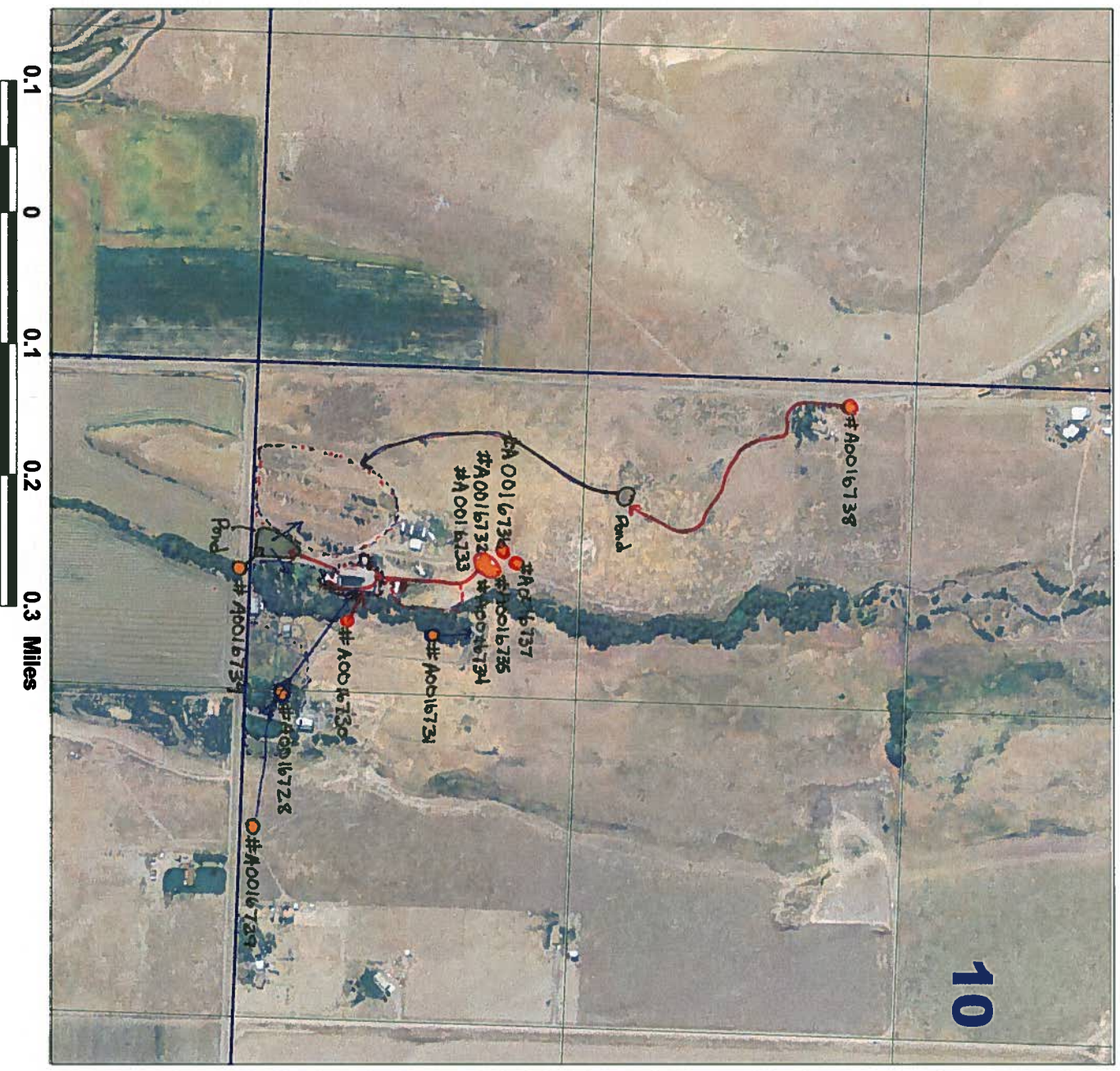
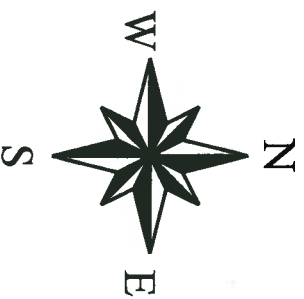
Idaho Department of Water Resources

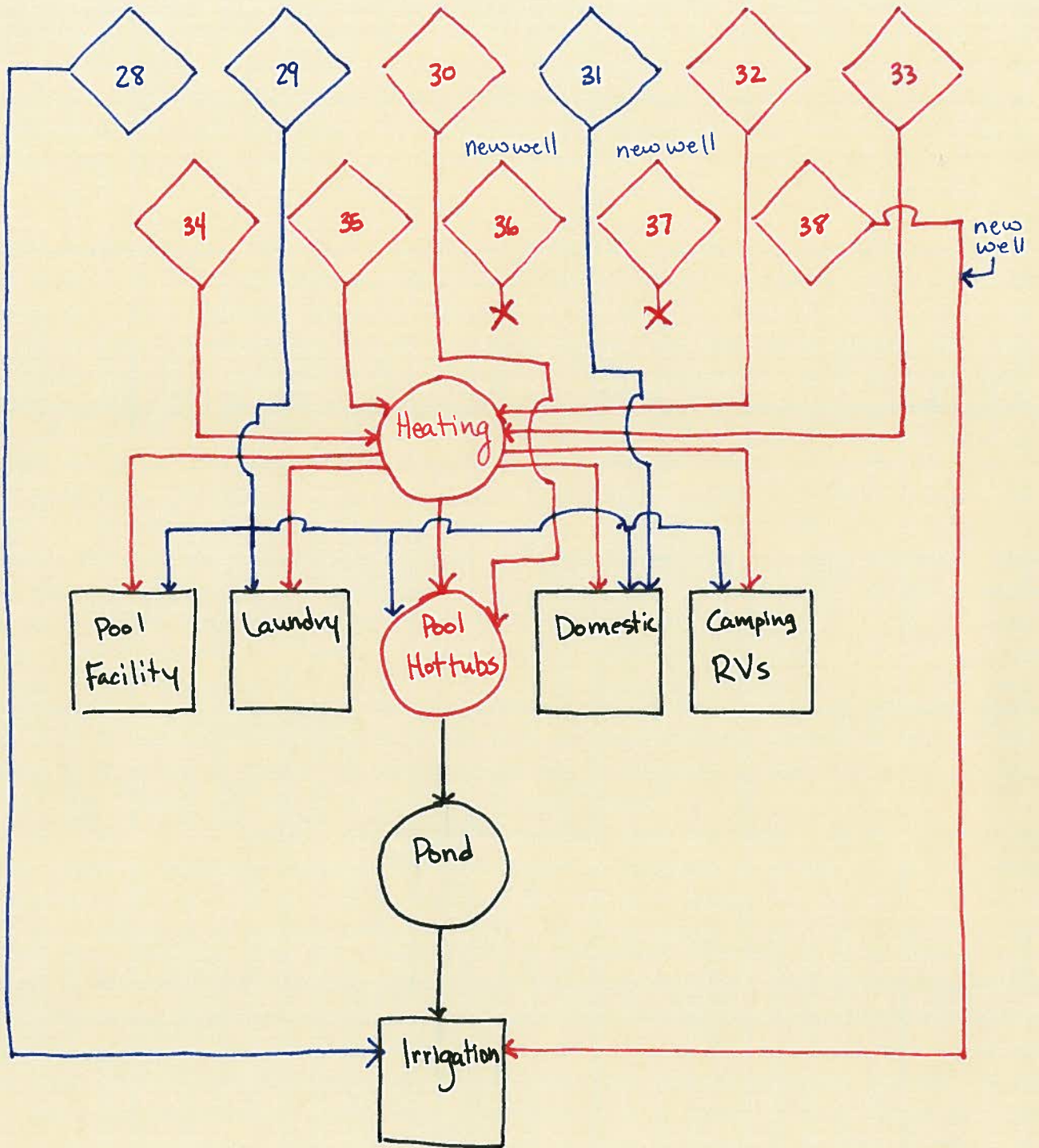
Claim Number:

67-4310

10

- Sections
- GCDB11N06W GCDB
- Roger all pts (1).shp
- Legal: T11N, R06W, S10





Water Requirements for Various Fixtures

Claim Number: 67-4310
Claimant: Goff
Building: Lodge -- Apartments

Number of Fixtures Type of Fixture

3	Shower
	Bathtub
3	Toilet
5	Sink

Number of Units

2

Instantaneous Demand

58 gpm
0.1292 cfs

Volume

10	hours per week
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34800 gallons/week
1809600 gallons/year
5.5512 afy

Standard Diversion Requirement

0.08 cfs
1.2 afy

Shower - 6gpm
Tub - 8gpm
Toilet - 5gpm
Sink - 5gpm

Water Requirements for Various Fixtures

Claim Number: 67-4310
Claimant: Goff
Building: Lodge -- Changing Area

Number of Fixtures	Type of Fixture
4	Shower
	Bathtub
6	Toilet
2	Sink

Instantaneous Demand

64 gpm
0.1426 cfs

Volume

30 hours per week
115200 gallons/week
5990400 gallons/year
18.3765 afy

Water Requirements for Various Fixtures

Claim Number: 67-4310
Claimant: Goff
Building: Greenhouse -- Apartments

Number of Fixtures	Type of Fixture
2	Shower
	Bathtub
2	Toilet
4	Sink

Number of Units

2

Instantaneous Demand

42 gpm
0.0936 cfs

Volume

10 hours per week
25200 gallons/week
1310400 gallons/year
4.0199 afy

Standard Diversion Requirement

0.08 cfs
1.2 afy

Water Requirements for Various Fixtures

Claim Number: 67-4310
Claimant: Goff
Building: RV apartments

Number of Fixtures	Type of Fixture
2	Shower
	Bathtub
2	Toilet
4	Sink

Number of Units

2

Instantaneous Demand

42 gpm
0.0936 cfs

Volume

10 hours per week
25200 gallons/week
1310400 gallons/year
4.0199 afy

Standard Diversion Requirement

0.08 cfs
1.2 afy

Water Requirements for Various Fixtures

Claim Number: 67-4310
Claimant: Goff
Building: 3-Bed House

Number of Fixtures	Type of Fixture
1	Shower
	Bathtub
2	Toilet
3	Sink

Number of Units

1

Instantaneous Demand

31 gpm
0.0691 cfs

Volume

12	hours per week
22320	gallons/week
1160640	gallons/year
3.5604	afy

Standard Diversion Requirement

0.04 cfs
0.6 afy

Water Requirements for Various Fixtures

Claim Number: 67-4310
Claimant: Goff
Building: Guest Cottage

Number of Fixtures	Type of Fixture
1	Shower
	Bathtub
1	Toilet
2	Sink

Number of Units

1

Instantaneous Demand

21 gpm
0.0468 cfs

Volume

5

 hours per week
6300 gallons/week
327600 gallons/year
1.0050 afy

Standard Diversion Requirement

0.04 cfs
0.6 afy

Water Requirements for Ponds & Pools

Claim Number: 67-4310
Claimant: Goff
Name: Swimming Pool

Surface Area

Square

Length 40 feet

Width 100 feet

Circle

Diameter feet

Oval

Long Side feet

Short Side feet

Surface Area 4000 ft²

Volume

Flat Bottom

Minimum Depth 2 feet

Maximum Depth 10 feet

Rounded Bottom

Maximum Depth feet

Volume 24000 ft³
0.5510 acre feet

Standard Diversion Requirement

0.04 cfs

28.9591 afy

1 x w x d

Water Requirements for Ponds & Pools

Claim Number: 67-4310
Claimant: Goff
Name: Large Hot Tub

Surface Area

Square

Length 6 feet

Width 10 feet

Circle

Diameter feet

Oval

Long Side feet

Short Side feet

Surface Area 60 ft²

Volume

Flat Bottom

Depth 3 feet

Rounded Bottom

Depth feet

Volume 180 ft³

0.0041 acre feet

2 Large Hot Tubs **0.0083** acre feet

Standard Diversion Requirement

0.04 cfs

28.9591 afy

Water Requirements for Ponds & Pools

Claim Number: 67-4310
Claimant: Goff
Name: Small Hot Tub

Surface Area

Square

Length 5 feet

Width 3 feet

Circle

Diameter feet

Oval

Long Side feet

Short Side feet

Surface Area 15 ft²

Volume

Flat Bottom

Depth 3 feet

Rounded Bottom

Depth feet

Volume 45 ft³
0.0010 acre feet

6 Small Hot Tubs 0.0062 acre feet

Standard Diversion Requirement

0.04 cfs

28.9591 afy

Water Requirements for Ponds & Pools

Claim Number: 67-4310
Claimant: Goff
Name: Pond

Surface Area

Square

Length feet
Width feet

Circle

Diameter feet

Oval

Long Side 120 feet
Short Side 75 feet

Surface Area 7068.58 ft²

Volume

Flat Bottom

Depth feet

Rounded Bottom

Depth 5 feet

Volume 14137.17 ft³
0.3245 acre feet

Standard Diversion Requirement

0.04 cfs
28.9591 afy

$$\frac{\text{long}}{2} \cdot \frac{\text{short}}{2} \cdot \pi \cdot d \cdot 0.4$$

↓
for rounded bottom

Water Requirements for Heating

Claim Number: 67-4310
Claimant: Goff
Building: Lodge

	Winter	
Area of floor space	5000	ft ²
2 story?	Y	y/n
Building Efficiency	1.11	
Inside Temperature	70	degrees F
Outside Temperature	4	degrees F
Source Temperature	189	degrees F
Used H ₂ O Temperature	150	degrees F
Days per season	245	days
Hours per day	24	hours
Degree Days	5670	

Design Heat Load

293040 BTU/hr

Flow Rate

16.4168 gpm

0.0366 cfs

Volume

5791849.412 gallons/year

17.7674 afy

1343193.28 gallons/year

4.11 afy

see packet
memo #32?

Water Requirements for Heating

Claim Number: 67-4310
Claimant: Goff
Building: 3-Bed House

	Winter	
Area of floor space	1134	ft ²
2 story?	N	y/n
Building Efficiency	0.67	
Inside Temperature	70	degrees F
Outside Temperature	4	degrees F
Source Temperature	189	degrees F
Used H ₂ O Temperature	150	degrees F
Days per season	245	days
Hours per day	24	hours
Degree Days	5670	

Design Heat Load

50145.48 BTU/hr

Flow Rate

2.8093 gpm

0.0063 cfs

Volume

991110.6635 gallons/year

3.0404 afy

229849.41 gallons/year

0.70 afy

Water Requirements for Heating

Claim Number: 67-4310
Claimant: Goff
Building: Guest House

	Winter	
Area of floor space	900	ft ²
2 story?	N	y/n
Building Efficiency	0.67	
Inside Temperature	70	degrees F
Outside Temperature	4	degrees F
Source Temperature	189	degrees F
Used H ₂ O Temperature	150	degrees F
Days per season	245	days
Hours per day	24	hours
Degree Days	5670	

Design Heat Load

39798 BTU/hr

Flow Rate

2.2296 gpm

0.0050 cfs

Volume

786595.7647 gallons/year

2.4130 afy

182420.17 gallons/year

0.56 afy

Water Requirements for Heating

Claim Number: 67-4310
Claimant: Goff
Building: Greenhouse

	Winter	
Area of floor space	7000	ft ²
2 story?	N	y/n
Building Efficiency	1.11	
Inside Temperature	60	degrees F
Outside Temperature	4	degrees F
Source Temperature	189	degrees F
Used H ₂ O Temperature	150	degrees F
Days per season	245	days
Hours per day	24	hours
Degree Days	5670	

Design Heat Load

435120 BTU/hr

Flow Rate

22.4868 gpm

0.0501 cfs

Volume

7933350.698 gallons/year

24.3368 afy

2350588.24 gallons/year

7.20 afy

Water Requirements from Occupancy

Claim Number:

67-4310

Claimant:

Goff

RV Hook-ups

Number of Hook-ups 15 hook-ups
 Number used full-time 4 hook-ups
 Length of Peak Season 230 days
 Peak Occupation Rate 95 %
 Off-peak Occupation Rate 5 %
 Number per trailer 2 people
 Full-time hook-ups 1460 days hooked-up/year
 Peak-time hook-ups 2403.5 days hooked-up/year
 Off-peak-time hook-ups 74.25 days hooked-up/year
393775 gallons/year
1.2080 afy
0.0400 cfs

~~400~~ 4 * 365
 ← (15-4) * 230 * $\frac{95}{100}$
 ← (15-4) * (230 * 365 - 230) * $\frac{5}{100}$
 ← sum(days) * 50 * 2
 ↓
 gal/day / ppl

Standard Diversion Rate

Laundry

Number of Washers 2 washers
 Number of Loads/Washer/day 9 loads/day
6300 gallons/week
327600 gallons/year
1.0050 afy
0.0400 cfs

← 2 * 9 * 7 * 50
 ← * 52
 ← gal/yr → afy ÷ 325982
 ↓ 5 * 3 * 230
 ↓ * 35
 ↓ ÷ 325982

Standard Diversion Rate

Camping

Number of Tents 5 tents
 People per Tent 3 people
 Length of Camping Season 230 days
 People per Season 3450 people/year
120750 gallons/year
0.3704 afy
0.0400 cfs

Standard Diversion Rate

Memorandum

Date: August 28, 2006

To: Field Examiner

From: Craig L. Saxton

Re: Field Exam Needed

A field exam was conducted by Water Master Roger Meyer, but the information collected is not sufficient to make an accurate recommendation. However, several points of diversion should be GPS'd and Tagged.

Wells:

-I have 5 well logs showing wells that were drilled after 1987. What are the old wells and which are the new wells.

Heating:

- MC
- Is the water used for heating the buildings? 3bed 1134 Resort 7208 total
 - How big are the buildings? Guest house 900 25000 sq ft.
 - What wells provide heating water for heating the house? Greenhouse 7,000
 - what is the diversion rate from each of these wells
 - (See attachment)

Irrigation:

- Which well is the historical irrigation well or the well that was used to irrigate the ground in 1917?
- Is the historical irrigation well an artesian well?
- How deep is it?
- How many wells are used for irrigation now?
- How are they interconnected and how does the irrigation system work?
- I only found about 5 acres of irrigation that would be from the wells, if there is more, where is it and how does the system work.

Domestic:

- What wells are the domestic wells?
- Do they irrigate 1/2 acre or is it just for in house use?

Commercial:

- How big is the swimming pool? 40x100
2-10ft deep
last 10-12 feet
were 10' deep

6x10

5x3

- How many hot tubs are there and how big are the hot tubs? 2 family sized, 1 private 6
- How many RV hookups are there and is there a sewer associated with the hookups? power, sewer, water to all
- How many days a year are the RV hookups occupied? 15 full hookups
- Living quarters

-How many "living Quarters" and what do the living quarters consist of?

-Individual bath or shared?

-Sinks?

-How many days a year are the living quarters occupied?

-Fish Propagation

-How big is the pond for the fish? - some in greenhouse, but also in the pond.

-Do they sell fish? If they don't sell fish, it isn't fish propagation.

-Greenhouses

-How many greenhouses? 1

-Are the greenhouses heated with Geothermal water?

-Is the irrigation with cold well water? - irrigated from pond water

-Campsites

-how many campsites? 4 now up a tent

-Is there a shared bathroom? —————>

2 outside bathrooms
off of guest cottage
2 domestic spigots
in park for campers.

4 occupied
year-round

April - November
95%

1 used to
be banquet
hall 2 bathrooms

lodge - 9 toilets
7 sinks

- 2 washer
hookups

3 bed - 1 1/2 bath

COMMERCIAL SPACE HEATING/COOLING REQUIREMENTS FOR COLD OR GEOTHERMAL SOURCES

Data entered by: _____

Date: _____

File No.: _____

Computations for: _____

REQUIRED DATA:

Area of floor space, ft² (A) _____

2 story? (N=1, Y=2) partial

Building efficiency factor (e) * _____

Inside design temperature (T_i) _____

Average outside temperature (T_o) ** 75

Source temperature, degrees F (S) 198

Heating/cooling days per season (D) 365

Hours/day system operates (H) 24

Additional information you feel may be pertinent:

**PLEASE SUBMIT A DIAGRAM
OF YOUR SYSTEM
OR SYSTEM BLUE PRINT**

Please return to:

ATTN:

Idaho Department of Water Resources

2735 Airport Way

Boise, ID 83705-5082

Signature _____ Date _____ Work Phone Number _____

* e values are as follows:

0.28 Best energy efficiency - extra insulation, caulked and weather-stripped, with storm windows and doors
0.44 Better energy efficiency - standard insulation, caulked and weather-stripped, with storm windows and/or doors
0.67 Average residence - standard insulation, no weatherproofing but with storm windows or double panes
1.11 Poor energy efficiency - minimal insulation, no weatherproofing or storm windows (older homes, shops or greenhouses)

** Suggested average outside temperatures:

WINTER
4 deg F Boise
6 deg F Grand View
-8 deg F Cascade

SUMMER
80 deg F Boise
90 deg F Grand View
70 deg F Cascade

(A)
(T_i)
(T_o)
(S)
(D)
(H)
(e)

Area of floor space
Inside design temperature
Average outside temperature
Source temperature
Heating/cooling days per season
Hours per day system operates
Building efficiency factor

Idaho Department of Water Resources

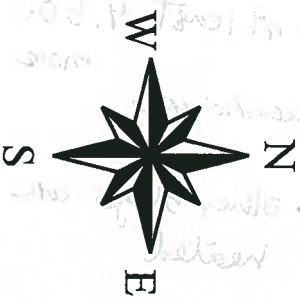
Claim Number:

67-04310

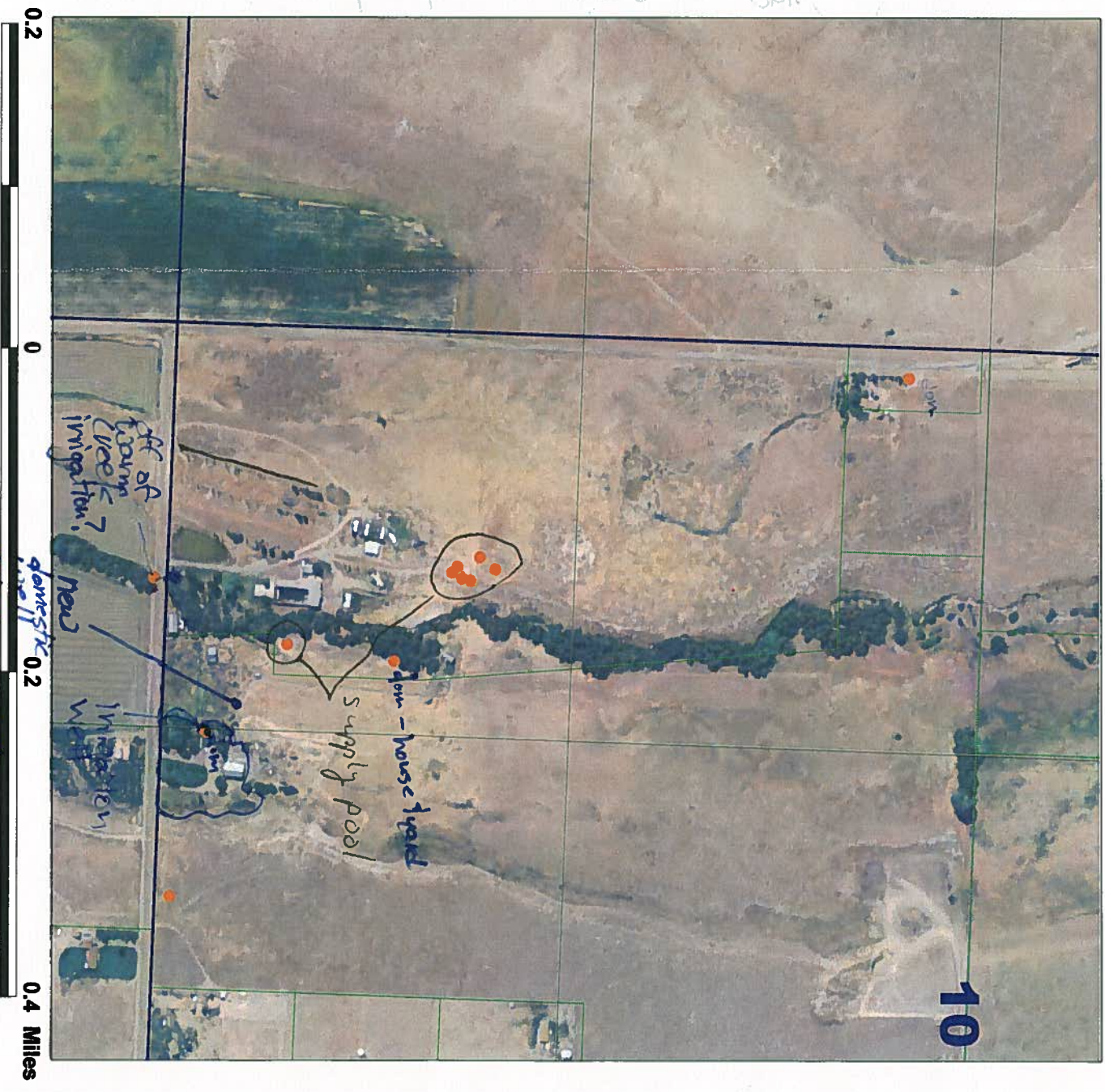
67-11202 from Warm Spring Creek
↳ recommended as 67-2114

- Sections
- GCDB11N06W GCDB
- Washington taxlots
- Roger all pts (1).shp
- Administrative BasinsAdminbas.shp

Legal: T11N, R06W, S10



2004 NAIP Photo



this year - just
in 2012 - none

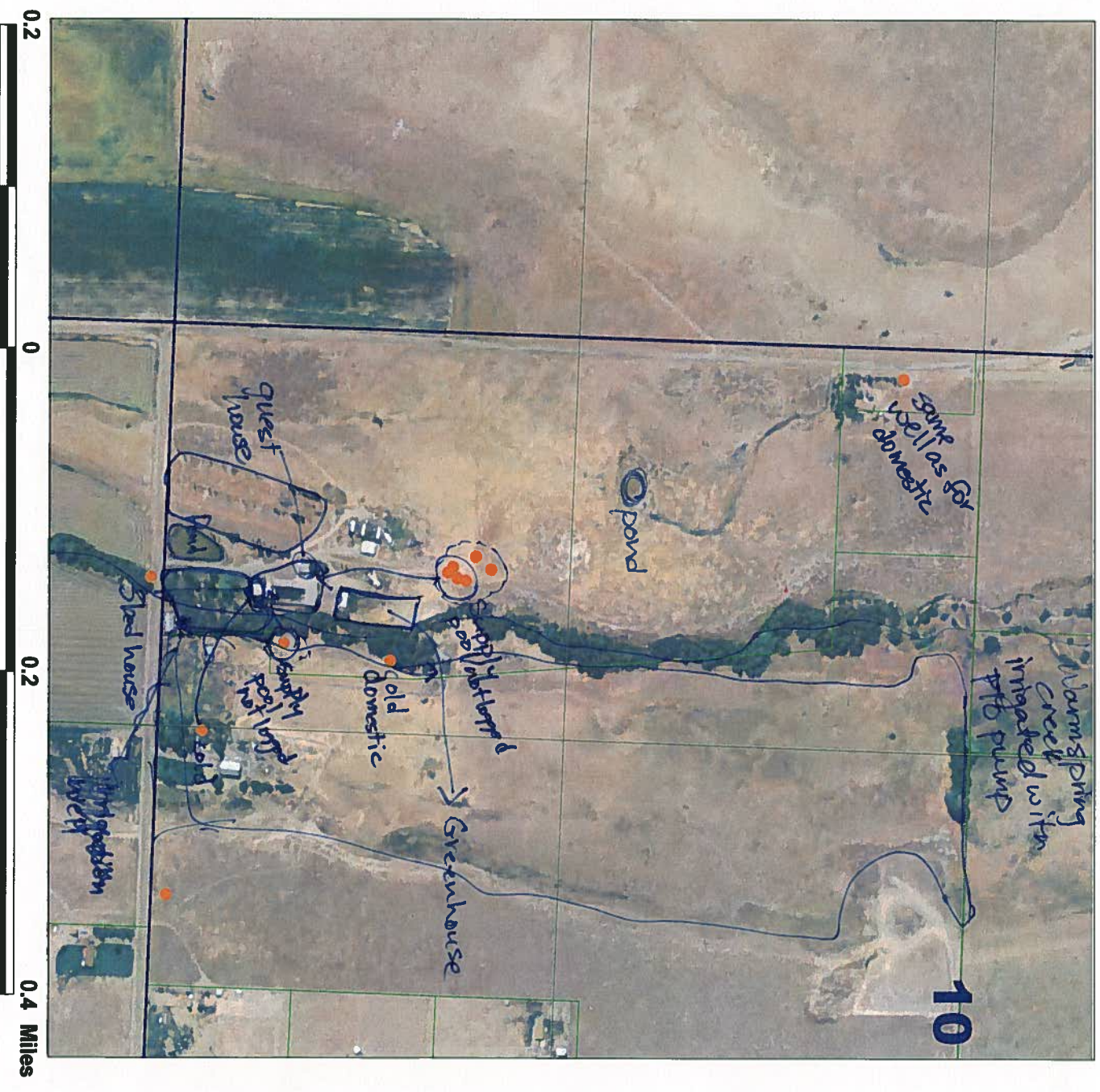
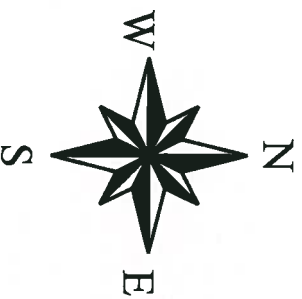
Idaho Department of Water Resources

Claim Number:

67-04310

- Sections
GCDB11N06W GCDB
Washington taxlots
Roger all pts (1).shp
Administrative BasinsAdminbas.shp

Legal: T11N, R06W, S10





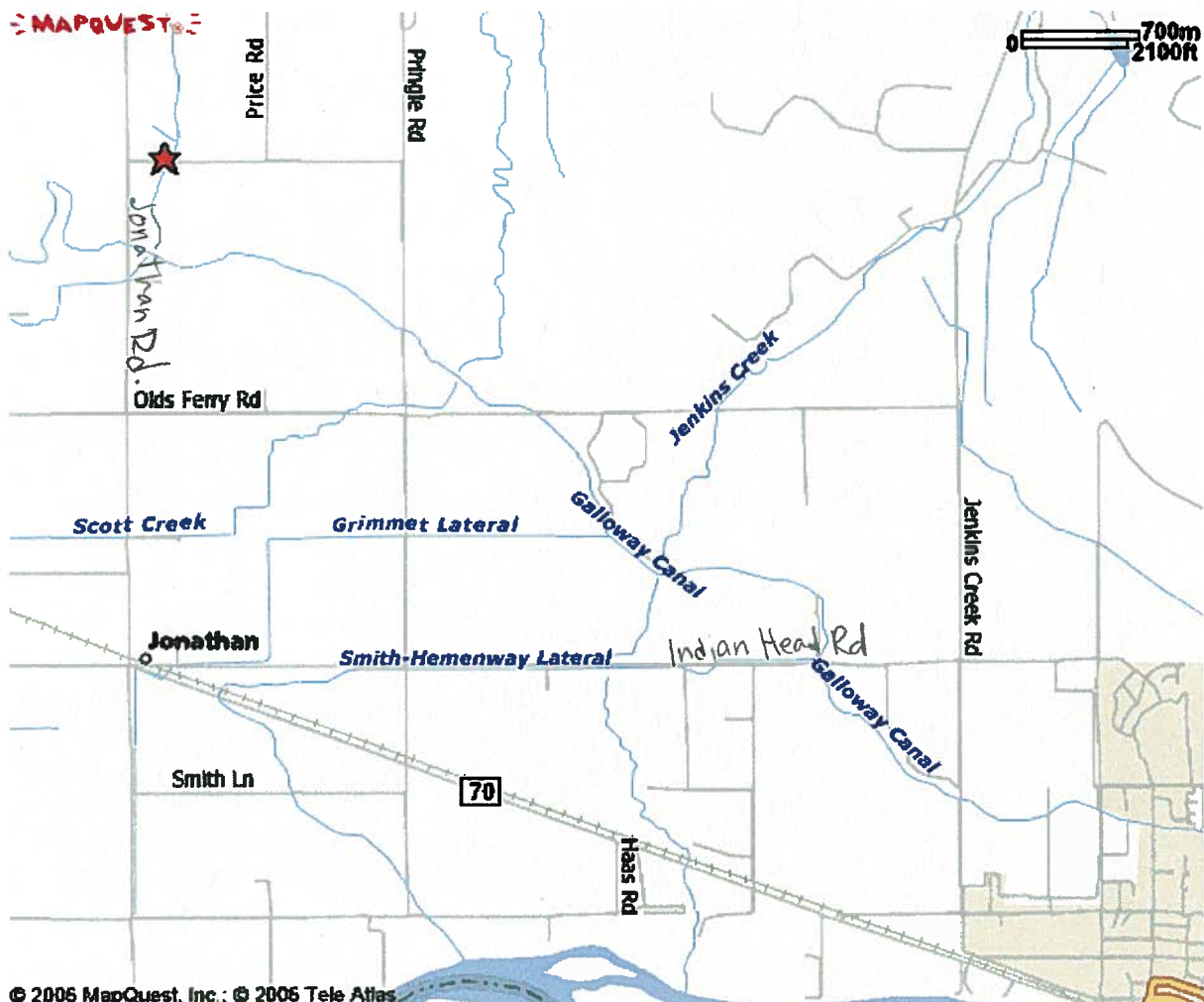
926 Hot Springs Rd
Weiser ID
83672-5006 US

Notes:

STAY AT ANY BEST WESTERN
FROM OCT 10 THRU DEC 15
Get **DOUBLE POINTS** or **MILES**

BOOK NOW





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Water Master



INDIAN VALLEY WATER DISTRICT 67A

Roger Meyer
3035 Cemetery Rd.
Cambridge, Idaho 83610
Phone (208) 257-3418
Cell (208) 741-0859
E-mail rjmeyer@ctcweb.net

May 6, 2005

Craig

This is a mess if you want the dates these wells were drilled John Goff is also Dallas Drilling so he has all the records when these wells were drilled. Starting with Water right # 67-4310 per drawing on the one Map.

- | | |
|--|--------------------|
| #1 Well #A0016730 Artesian 1 $\frac{1}{2}$ HP that run to the pond | GPS 2256705, 2 pic |
| commercial & Irrigation | 1459654 |
| #2 Well # A0016731, 3 HP, 16' lift, 50 gpm Dom. & Comm. | GPS 2256722, 1 pic |
| | 1459759 |
| #3 Well #A0016732, 1 $\frac{1}{2}$ HP, 50 gpm Comm. Artesian | GPS 2256628, 1 pic |
| 1 $\frac{1}{2}$ hp is a booster for wells 3,4,5,& 6 | 1459822 |
| #4 Well #A0016733, Artesian | GPS 2256634, 1 pic |
| 189 degrees | 1459816 |
| #5 Well #A0016734, Artesian | GPS 2256640, 1 pic |
| | 1459826 |
| #6 Well #A0016735 Artesian | GPS 2256642, 1 pic |
| | 1459834 |
| #7 Well #A0016736, hot well not in use but could be. | GPS 2256619, 1 pic |
| | 1459844 |
| #8 Well #A0016737, hot well not in use but could be. | GPS 2256631, 1 pic |
| | 1459859 |

#9 Well #A0016738, W/R # 67-11202 Artesian 1 home Domestic not on John Goff's Property but he has the water rights will pump 100 GPM setup to pump into his pond not connected at this time.(he also can irrigate out of this pond). This well has a 14" casing.

GPS 2256441, 1 pic
1460268

#10 POD #A0016739 in Warm Springs Creek on the south side of the bridge crossing warm springs on Hot Springs Road this can be pumped into his pond for irrigation.

GPS 2256638, 1 pic
1459522

#11 Well #A0016728, 5 HP pump 16' lift, 80 GPM, irrigation, GPS 2256791, 1 pic
1459573

#12 Well #A0016729, 2 HP pump 40' lift, 35 GPM Domestic, GPS 2256954, 1 pic
1459537

All of his irrigation is sprinklers.

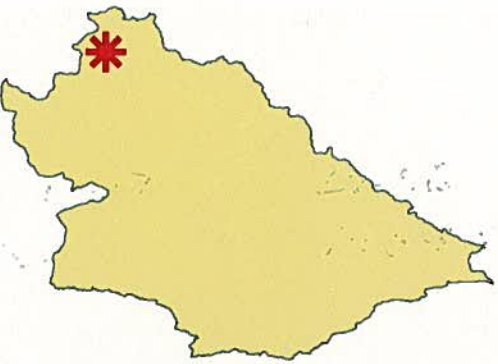
He has 3 other wells that produce about 1 GPM I didn't GPS them

Roger Meyer

Idaho Department of Water Resources

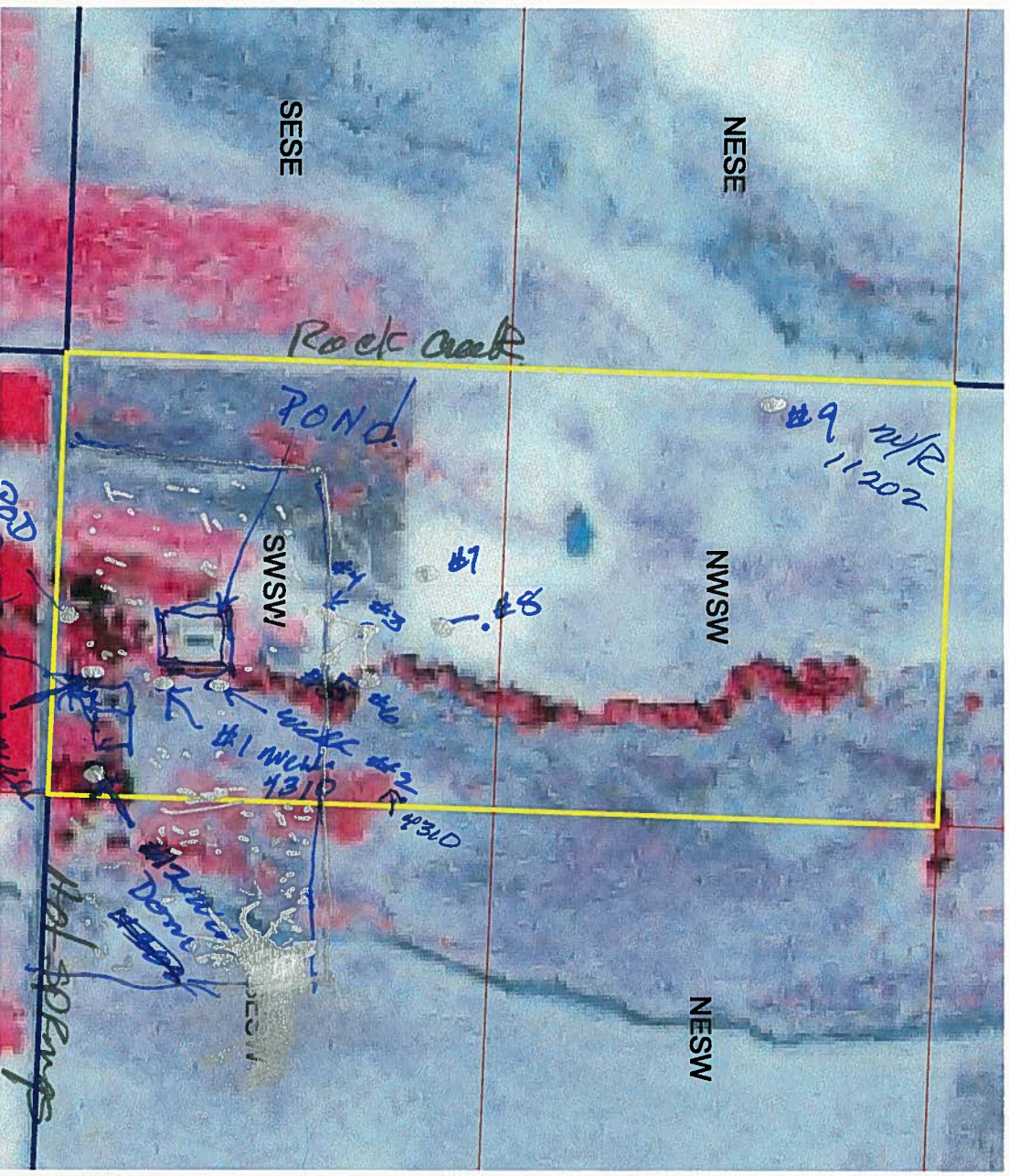
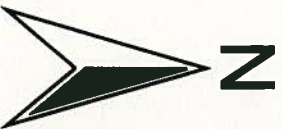
Water Right Claim No:

67-4310



Legend

-  Place of Use
-  Section Lines
-  Quarter Quarters





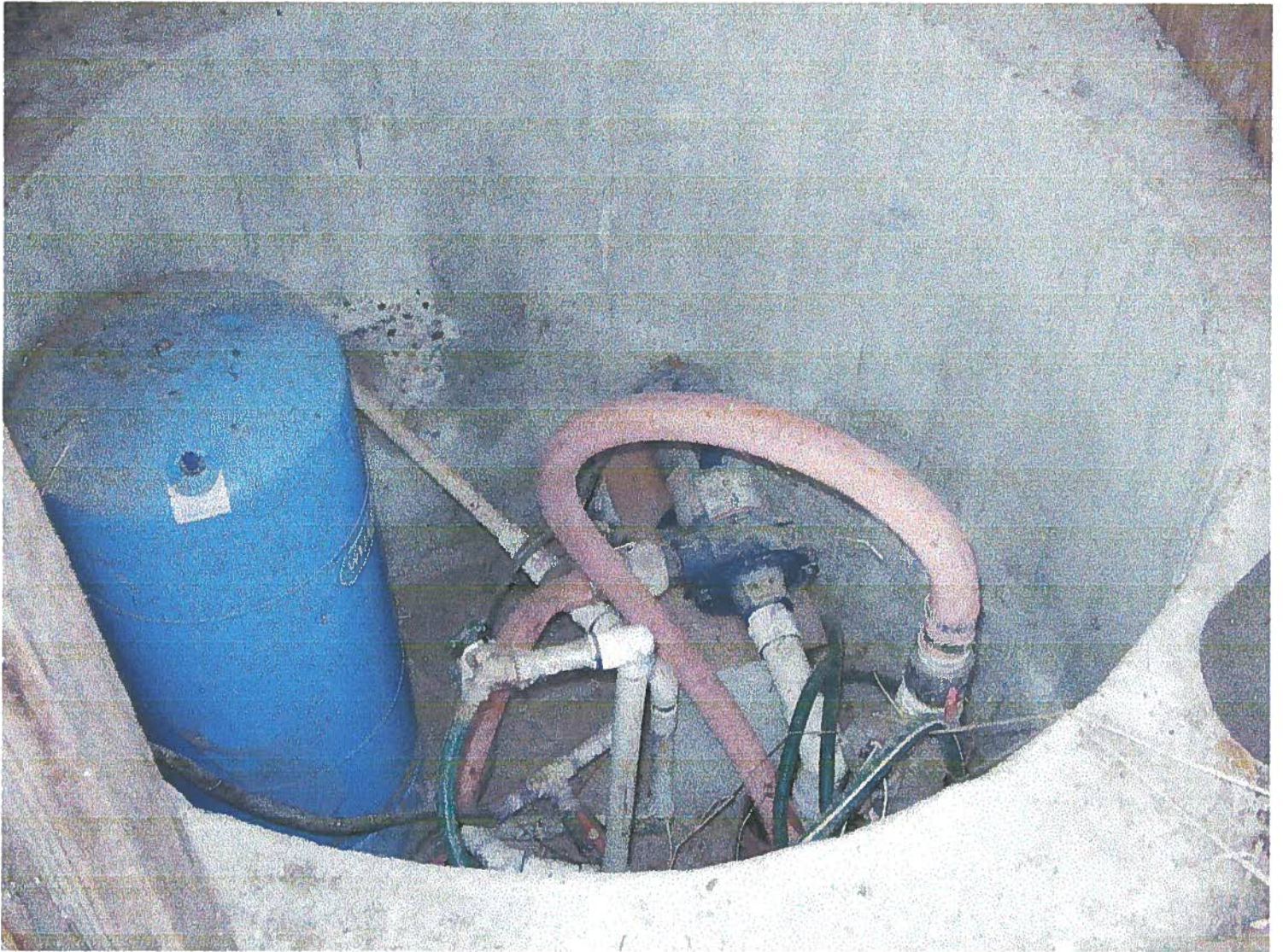
#A0016730 1.5 HP POD.JPG

#1



#A0016730 #2 pic artesian.JPG

#1



#A0016731 3HP POD.JPG

2



#A0016732 1.5HP POD.JPG

#3



#A0016734 #5 well POD.JPG



#A0016735 POD #6.JPG



#A0016738 POD #9.JPG



#A0016728 5 HP POD.JPG

#110



#A0016729 2HP POD.JPG

#12

FORWARD WHITE COPY TO WATER RESOURCES

**Use Typewriter
or
Ball Point Pen**

49787

1. DRILLING PERMIT NO. 67-94-W-0079-000
Other IDWR No. _____

2. OWNER:

Name Johnny L. Goff
Address 505 So. 18th St.
City Pavette State ID Zip 83661

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.



Twp. 11 North ☐ or South ☐
 Rge. 6 East ☐ or West ☒
 Sec. 10 SE 1/4 SW 1/4 1/4
 Gov't Lot _____ County Washington

Address of Well Site 926 Hot Springs

City Weiser

Lt. _____ Blk. _____ Sub. Name _____

4. PROPOSED USE:

☒ Domestic ☐ Municipal ☐ Monitor ☒ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK

☒ New Well ☐ Modify or Repair ☐ Replacement ☐ Abandonment

6. DRILL METHOD

☐ Mud Rotary ☒ Air Rotary ☐ Cable ☐ Other_____

7. SEALING PROCEDURES

SEAL/FILTER PACK			AMOUNT	METHOD
Material	From	To	Bags or Pounds	
centonite	0	18	14	overbore

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 00

Was drive shoe seal tested? Y ☐ N ☐ How? 80

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6	1	80	.250	steel	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS

☒ Perforations Method down hole knife
☐ Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
55	72	1/8x1	800	6	steel	☒	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

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

11. WELL TESTS:

☒ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min.	Drawdown	Pumping Level	Time
pump 50	20		12
air 30		80	2

Water Temp. 74° Bottom hole temp. _____

Water Quality test or comments: _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Water

[illegible]

13. DRILLER'S CERTIFICATION

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

Firm Name Dallas Drilling & Pump Firm No. 445

Firm Official Sydney A. [Signature] Date 1-31-95
and

Supervisor or Operator Johnny L. Goff Date _____
(Sign once if Firm Official & Operator)



#A0016736 POD #7.JPG



#A0016737 POD #8.JPG



#A0016733 Artesian.JPG

4

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

[illegible]

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER
Name JERRY HARNEY
RT. 2 BOX 378 A
Address WEISER, IDAHO 83672
Owner's Permit No. _____

7. WATER LEVEL
Static water level 16 feet below land surface.
Flowing? ☒ Yes ☐ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by Valve ☒ Cap ☐ Plug
Temperature 68 °F. Quality _____
Describe artesian or temperature zones below.

2. NATURE OF WORK
☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

3. PROPOSED USE
☐ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other geothermal (specify type)

4. METHOD DRILLED
☒ Rotary ☒ Air ☐ Hydraulic ☐ Reverse rotary
☐ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION
Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____
Thickness Diameter From To
.250 inches 6 inches + 1 feet 73 feet
_____ inches _____ inches _____ feet _____ feet
_____ inches _____ inches _____ feet _____ feet
_____ inches _____ inches _____ feet _____ feet
Was casing drive shoe used? ☒ Yes ☐ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☒ Yes ☐ No
How perforated? ☒ Factory ☒ Knife ☒ Torch
Size of perforation 1/8 inches by 4 inches
Number From To
120 perforations 23 feet 33 feet
120 perforations 33 feet 73 feet
_____ perforations _____ feet _____ feet
_____ perforations _____ feet _____ feet
Well screen installed? ☐ Yes ☒ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter _____ Slot size _____ Set from _____ feet to _____ feet
Diameter _____ Slot size _____ Set from _____ feet to _____ feet
Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth 18 Material used in seal: ☐ Cement grout
☒ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing
☒ Overbore to seal depth
Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent Weld
☐ Cemented between strata
Describe access port _____

6. LOCATION OF WELL
Sketch map location must agree with written location.
N
W E
S
Washington
County _____
SW 1/4 SW 1/4 Sec. 10, T. 11 N, R. 6 E
Subdivision Name _____
Lot No. _____ Block No. _____

8. WELL TEST DATA
☐ Pump ☐ Bailor ☒ Air ☐ Other _____
Discharge G.P.M. Pumping Level Hours Pumped
42 80 2

9. LITHOLOGIC LOG

Bore Diam.	Depth		Material	Water Yes/No
	From	To		
12	0	9	BROWN CLAY	
12	9	12	PEA GRAVEL	
12	12	23	BLACK ROCK	
8	23	33	BLACK CLAY SILTY	
8	33	35	PERMEABLE 40gpm	X
8	35	52	GREY CLAY	
8	52	53	PERMEABLE 5gpm	X
8	53	78	GREY CLAY	
6	78	80	CONGLOMERATE GREY 2gpm	X
6	80	82	GREY ROCK	

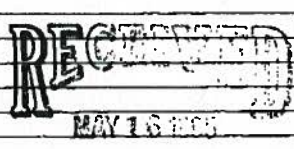
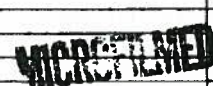
10. Work started 4/1/85 finished 4/1/85

11. DRILLERS CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.
Firm Name DALLAS DRILLING & PUMP CO
505 So. 18th St #224
Address PAYETTE, IDAHO Date 4/15/85
Signed by (Firm Official) Johnny L. Goff
and
(Operator) JOHNNY L. GOFF

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCESUSE TYPEWRITER OR
BALLPOINT PEN

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources
within 30 days after the completion or abandonment of the well.

1. WELL OWNER Name <u>TRAILS END RESORT JERRY HARNER</u> RT. 1 BOX 278 A Address <u>WEISER, IDAHO 83672</u> Owner's Permit No. _____		7. WATER LEVEL **NOTE: after air pumping 45 gpm for 3 hrs. static level fell to 60 Static water level <u>0</u> feet below land surface. evidence Flowing? ☐ Yes ☐ No G.P.M. flow <u>of slow</u> Artesian closed-in pressure _____ p.s.i. recharge. Controlled by: ☐ Valve ☐ Cap ☐ Plug Temperature <u>160</u> °F. Quality _____ Describe artesian or temperature zones below.																																																																	
2. NATURE OF WORK ☒ New well ☐ Deepened ☐ Replacement ☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)		8. WELL TEST DATA ☐ Pump ☐ Bailor ☒ Air ☐ Other _____ <table border="1"><thead><tr><th>Discharge G.P.M.</th><th>Pumping Level</th><th>Hours Pumped</th></tr></thead><tbody><tr><td><u>45</u></td><td><u>123</u></td><td><u>2</u></td></tr></tbody></table>		Discharge G.P.M.	Pumping Level	Hours Pumped	<u>45</u>	<u>123</u>	<u>2</u>																																																										
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3. PROPOSED USE ☐ Domestic ☐ Irrigation ☐ Test ☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection ☐ Other <u>GEOTHERMAL</u> (specify type)		9. LITHOLOGIC LOG <table border="1"><thead><tr><th rowspan="2">Bore Diam.</th><th colspan="2">Depth</th><th rowspan="2">Material</th><th colspan="2">Water</th></tr><tr><th>From</th><th>To</th><th>Yes</th><th>No</th></tr></thead><tbody><tr><td>12</td><td>0</td><td>13</td><td>BLACK SILT</td><td></td><td></td></tr><tr><td>12</td><td>13</td><td>14</td><td>BOULDERS</td><td></td><td></td></tr><tr><td>8</td><td>14</td><td>33</td><td>BLACK ROCK</td><td></td><td></td></tr><tr><td>8</td><td>33</td><td>38</td><td>BLUE AND GREY CLAY</td><td></td><td></td></tr><tr><td>8</td><td>38</td><td>39</td><td>PERMEABLE 5 gpm 900</td><td>X</td><td></td></tr><tr><td>8</td><td>39</td><td>85</td><td>GREY CLAY</td><td></td><td></td></tr><tr><td>8</td><td>85</td><td>95</td><td>GREY SANDSTONE</td><td></td><td>X</td></tr><tr><td>8</td><td>95</td><td>120</td><td>GREY STICKY CLAY</td><td></td><td></td></tr><tr><td>6</td><td>120</td><td>123</td><td>GREY SANDSTONE</td><td></td><td>X</td></tr></tbody></table>		Bore Diam.	Depth		Material	Water		From	To	Yes	No	12	0	13	BLACK SILT			12	13	14	BOULDERS			8	14	33	BLACK ROCK			8	33	38	BLUE AND GREY CLAY			8	38	39	PERMEABLE 5 gpm 900	X		8	39	85	GREY CLAY			8	85	95	GREY SANDSTONE		X	8	95	120	GREY STICKY CLAY			6	120	123	GREY SANDSTONE		X
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4. METHOD DRILLED ☒ Rotary ☒ Air ☐ Hydraulic ☐ Reverse rotary ☐ Cable ☐ Dug ☐ Other _____		 MAY 16 1985 Department of Water Resources Western Regional Office 002578 																																																																	
5. WELL CONSTRUCTION Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____ Thickness Diameter From To <u>250</u> inches <u>6</u> inches + <u>1</u> feet <u>110</u> feet _____ inches _____ inches _____ feet _____ feet _____ inches _____ inches _____ feet _____ feet _____ inches _____ inches _____ feet _____ feet Was casing drive shoe used? ☒ Yes ☐ No Was a packer or seal used? ☐ Yes ☒ No Perforated? ☒ Yes ☐ No How perforated? ☒ Factory ☐ Knife ☐ Torch Size of perforation <u>1/8</u> inches by <u>4</u> inches _____ Number _____ From _____ To _____ <u>360</u> perforations <u>80</u> feet <u>110</u> feet _____ perforations _____ feet _____ feet _____ perforations _____ feet _____ feet Well screen installed? ☐ Yes ☒ No Manufacturer's name _____ Type _____ Model No. _____ Diameter _____ Slot size _____ Set from _____ feet to _____ feet Diameter _____ Slot size _____ Set from _____ feet to _____ feet Gravel packed? ☐ Yes ☒ No Size of gravel _____ Placed from _____ feet to _____ feet Surface seal depth <u>18</u> Material used in seal: ☐ Cement grout ☒ Bentonite ☐ Puddling clay ☐ _____ Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☒ Overbore to seal depth Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent Weld ☐ Cemented between strata Describe access port _____																																																																			
6. LOCATION OF WELL Sketch map location must agree with written location. <table border="1"><tr><td>N</td><td></td><td></td></tr><tr><td>W</td><td></td><td>E</td></tr><tr><td></td><td>X</td><td></td></tr><tr><td></td><td>S</td><td></td></tr></table> County <u>Washington</u> <u>SW</u> $\frac{1}{4}$ <u>SW</u> $\frac{1}{4}$ Sec. <u>10</u> , T. <u>4</u> N, R. <u>6</u> E				N			W		E		X			S		10. Work started <u>4/3/85</u> finished <u>4/3/85</u>																																																			
N																																																																			
W		E																																																																	
	X																																																																		
	S																																																																		
11. DRILLERS CERTIFICATION I/We certify that all minimum well construction standards were compiled with at the time the rig was removed. Firm Name <u>DALLAS DRILLING & PUMP CO., INC.</u> 505 So. 18th St. Address <u>PAYETTE, IDAHO 83661 #224</u> Signed by (Firm Official) <u>Johnny Goff</u> 5/13/85 and <u>Johnny Goff</u> (Operator)																																																																			

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

[illegible]

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

IDAHO-DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT 053914

Office Use Only

Inspected by _____

Twp _____ Rge _____ Sec _____

_____ 1/4 _____ 1/4 _____ 1/4

Lat: _____ Long: _____

1. WELL TAG NO. D 2000 1642
 DRILLING PERMIT NO 67-98-W-1069-000
 Other IDWR No. _____

2. OWNER: Johnny Goff
Name 9016 Hot Springs
Address Weissen
City State 91 Zip 83672

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N
 W E S
 Twp. 11 North ☒ or South ☐
 Rge. 18 East ☐ or West ☒
 Sec. 10 1/4 SW 1/4 SE 1/4
 Gov't Lot _____ 10 acres 40 acres 160 acres
 County Washington
 Lat. : : Long. : :
 Address of Well Site PRICE Rd
 City WELSON

Lt.		Bk.	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	
Bentonite	G 100	650		OVERBORE

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 160
Was drive shoe seal tested? ☐ Y ☐ N How? Blow Dry

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Line	Welded	Threaded
6	1	60	20	Steel	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____ *Mile*

9. PERFORATIONS/SCREENS

Perforations	Method	
Screens	Screen Type	

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

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

11. WELL TESTS:

☐ Pump ☐ Balier ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
10		80	2

Water Temp. 65 Bottom hole temp. _____

Water Quality test or comments: _____

Depth first Water Encounter

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

[illegible]

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 Dallas Drilling Firm No. 445
Firm Official [Signature] Date 11-25-99
and
Driller or Operator _____ Date _____

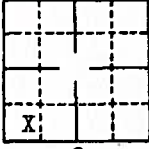
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources
within 30 days after the completion or abandonment of the well.RECEIVED
USE TYPEWRITER OR
BALLPOINT PEN
JUN 19 1990
Department of Water Resources
Western Regional Office

1. WELL OWNER Name <u>Johnny L. Goff</u> Address <u>914 Hot Springs Rd.</u> <u>Weiser, Idaho 83672</u> Owner's Permit No. <u>67-90-w-014-801</u>		7. WATER LEVEL Static water level <u>13</u> feet below land surface. Flowing? ☐ Yes ☒ No G.P.M. flow _____ Artesian closed-in pressure _____ p.s.i. Controlled by: ☐ Valve ☐ Cap ☐ Plug Temperature <u>59</u> °F. Quality _____ <i>Describe artesian or temperature zones below.</i>																															
2. NATURE OF WORK ☒ New well ☐ Deepened ☐ Replacement ☐ Well diameter increase ☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)		8. WELL TEST DATA ☐ Pump ☐ Baller ☒ Air ☐ Other _____ <table border="1"><thead><tr><th>Discharge G.P.M.</th><th>Pumping Level</th><th>Hours Pumped</th></tr></thead><tbody><tr><td>1 gpm</td><td>100</td><td>2</td></tr></tbody></table>		Discharge G.P.M.	Pumping Level	Hours Pumped	1 gpm	100	2																								
Discharge G.P.M.	Pumping Level	Hours Pumped																															
1 gpm	100	2																															
3. PROPOSED USE ☒ Domestic ☐ Irrigation ☒ Test ☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection ☐ Other _____ (specify type)		9. LITHOLOGIC LOG 090855 <table border="1"><thead><tr><th>Bore Diam.</th><th>Depth From To</th><th>Material</th><th>Water Yes No</th></tr></thead><tbody><tr><td>10</td><td>0 10</td><td>clay brown</td><td></td></tr><tr><td>10</td><td>10 18</td><td>sand</td><td></td></tr><tr><td>6</td><td>18 25</td><td>gravel & silt boulders</td><td>X</td></tr><tr><td>6</td><td>25 37</td><td>black shale hard</td><td></td></tr><tr><td>6</td><td>37 103</td><td>blue clay</td><td></td></tr></tbody></table>		Bore Diam.	Depth From To	Material	Water Yes No	10	0 10	clay brown		10	10 18	sand		6	18 25	gravel & silt boulders	X	6	25 37	black shale hard		6	37 103	blue clay							
Bore Diam.	Depth From To	Material	Water Yes No																														
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6	18 25	gravel & silt boulders	X																														
6	25 37	black shale hard																															
6	37 103	blue clay																															
4. METHOD DRILLED ☒ Rotary ☒ Air ☐ Hydraulic ☐ Reverse rotary ☐ Cable ☐ Dug ☐ Other _____		RECEIVED JUN 18 1990 Department of Water Resources																															
5. WELL CONSTRUCTION Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____ <table border="1"><thead><tr><th>Thickness</th><th>Diameter</th><th>From</th><th>To</th></tr></thead><tbody><tr><td>250 inches</td><td>6 inches</td><td>3 feet</td><td>37 feet</td></tr><tr><td>_____ inches</td><td>_____ inches</td><td>_____ feet</td><td>_____ feet</td></tr><tr><td>_____ inches</td><td>_____ inches</td><td>_____ feet</td><td>_____ feet</td></tr><tr><td>_____ inches</td><td>_____ inches</td><td>_____ feet</td><td>_____ feet</td></tr></tbody></table> Was casing drive shoe used? ☒ Yes ☐ No Was a packer or seal used? ☐ Yes ☒ No Perforated? ☒ Yes ☐ No downhole How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun Size of perforation _____ inches by _____ inches <table border="1"><thead><tr><th>Number</th><th>From</th><th>To</th></tr></thead><tbody><tr><td>100 perforations</td><td>18 feet</td><td>35 feet</td></tr><tr><td>_____ perforations</td><td>_____ feet</td><td>_____ feet</td></tr><tr><td>_____ perforations</td><td>_____ feet</td><td>_____ feet</td></tr></tbody></table> Well screen installed? ☐ Yes ☒ No Manufacturer's name _____ Type _____ Model No. _____ Diameter _____ Slot size _____ Set from _____ feet to _____ feet Diameter _____ Slot size _____ Set from _____ feet to _____ feet Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____ Placed from _____ feet to _____ feet Surface seal depth <u>18</u> Material used n seal: ☐ Cement grout ☒ Bentonite ☐ Puddling clay ☐ _____ Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☒ Overbore to seal depth Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent Weld _____ ☐ Cemented between strata Describe access port _____				Thickness	Diameter	From	To	250 inches	6 inches	3 feet	37 feet	_____ inches	_____ inches	_____ feet	_____ feet	_____ inches	_____ inches	_____ feet	_____ feet	_____ inches	_____ inches	_____ feet	_____ feet	Number	From	To	100 perforations	18 feet	35 feet	_____ perforations	_____ feet	_____ feet	_____ perforations
Thickness	Diameter	From	To																														
250 inches	6 inches	3 feet	37 feet																														
_____ inches	_____ inches	_____ feet	_____ feet																														
_____ inches	_____ inches	_____ feet	_____ feet																														
_____ inches	_____ inches	_____ feet	_____ feet																														
Number	From	To																															
100 perforations	18 feet	35 feet																															
_____ perforations	_____ feet	_____ feet																															
_____ perforations	_____ feet	_____ feet																															
6. LOCATION OF WELL Sketch map location must agree with written location.  Subdivision Name _____ Lot No. _____ Block No. _____ County <u>Washington</u> SW ☐ SE ☐ NE ☐ NW ☐ SW ☐ SE ☐ NE ☐ NW ☐ Sec. <u>10</u> T. <u>11N</u> S. <u>6W</u> E. ☐ SW ☐ SE ☐ NE ☐ NW ☐ Sec. <u>10</u> T. <u>11N</u> S. <u>6W</u> E. ☐ SW ☐ SE ☐ NE ☐ NW ☐		11. DRILLERS CERTIFICATION 21 I/We certify that all minimum well construction standards were compiled with at the time the rig was removed. Firm Name <u>Fluor Drilling & pump Co.</u> Firm No. <u>445</u> <u>505 So. 18th</u> Address <u>Pavette, Idaho</u> Date _____ Signed by (Firm Official) <u>[Signature]</u> and <u>Johnny L. Goff</u> (Operator) <u>[Signature]</u>																															

USE ADDITIONAL SHEETS IF NECESSARY -- FORWARD THE WHITE COPY TO THE DEPARTMENT

1. DRILLING PERMIT NO. 67-95-W-0089-000
Other IDWR No. _____

2. OWNER: Johnny Goff
Name 926 Hot Springs Rd
Address Miss State Ark Zip 73472
City

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

N
 W E
 S
 Twp. 11 North ☒ or South ☐
 Rge. 6 East ☐ or West ☒
 Sec. 10 $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$
10 acres 40 acres 160 acres
 Gov't Lot _____ County Washington
 Address of Well Site 926 Hot
Spring Rd City Wenatchee
 (Give at least name of road + Distance to Road or Landmark)

Lt. Bk. Sub. Name

4. PROPOSED USE:

☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK

☒ New Well ☐ Modify or Repair ☐ Replacement ☐ Abandonment

6. DRILL METHOD

☐ Mud Rotary ☒ Air Rotary ☐ Cable ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK			AMOUNT	METHOD
Material	From	To	Sacks or Pounds	
Bentonite	0	40	800	Over base

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 60
Was drive shoe seal tested? Y ☐ N ☒ How?

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Cliner	Welded	Threaded
6	1	60	350	Steel	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS

☒ Perforations Method Down hole / air
☐ Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
50	57	1/8x1	800	10	Steel	☒	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

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

11. WELL TESTS:

☒ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
45		64	3 hrs

Water Temp. 74 Bottom hole temp. _____

Water Quality test or comments: _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Water

[illegible]

Completed Depth 164 (Measurable)
Date: Started 9-18-95 Completed 9-30-95

13. DRILLER'S CERTIFICATION

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

Firm Name Dallas Drilling Firm No. 445

Firm Official [Signature] Date 11/1/01

and *[Signature]*

Supervisor or Operator _____ Date _____

(Sign once if Firm Official & Operator)

REPORT OF WELL DRILLER
State of Idaho

State law requires that this report shall be filed with the State Reclamation Engineer within 30 days after completion or abandonment of the well.

WELL OWNER: Virgil Hunter 642-3666
Name Virgil Hunter
Address 1816 1st Ave. South
Payette, Idaho

Owner's Permit No. _____
NATURE OF WORK (check): Replacement well ☒
New well ☐ Deepened ☐ Abandoned ☐
Water is to be used for: HEATING Hot House
METHOD OF CONSTRUCTION: Rotary ☐ Cable ☒
Dug ☐ Other _____

(explain) _____
CASING SCHEDULE: Threaded _____ Welded ☒
6 "Diam. from 0 ft. to 23 ft.
"Diam. from _____ ft. to _____ ft.
"Diam. from _____ ft. to _____ ft.
"Diam. from _____ ft. to _____ ft.
Thickness of casing: 2 1/2 in Material: _____
Steel ☒ concrete ☐ wood ☐ other ☐

(explain) _____
PERFORATED? Yes ☐ No ☒ Type of
perforator used: _____

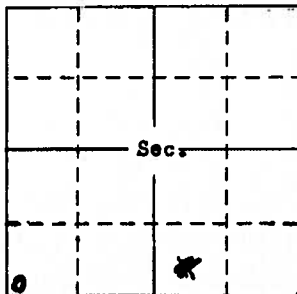
Size of perforations: _____ " by _____ "
perforations from _____ ft. to _____ ft.
perforations from _____ ft. to _____ ft.
perforations from _____ ft. to _____ ft.
perforations from _____ ft. to _____ ft.

WAS SCREEN INSTALLED? Yes ☐ No ☒
Manufacturer's name _____
Type _____ Model No. _____
Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.
Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.

CONSTRUCTION: Well gravel packed? Yes ☐
No ☒ size of gravel _____ Gravel
placed from _____ ft. to _____ ft. Surface seal
provided? Yes ☒ No ☐ To what depth?
73 ft. Material used in seal: Steel
Casing filling clay
Did any strata contain unusable water? Yes ☒
No ☐ Type of water: HOT WATER 160°
Depth of strata 101 ft. Method of sealing
strata off: _____

Surface casing used? Yes ☒ No ☐
Cemented in place? Yes ☒ No ☐

Locate well in section



LOCATION OF WELL: County Washington
SW 1/4 Sec. 16 T. 3 N. R. 2 E.
SW 1/4 10, T. 11 N., R. 2 E.

Size of drilled hole: 6 in. Total
depth of well: 101 Standing water
level below ground: Flowing Temp.
Fahr. _____ ° Test delivery: 20 gpm
or _____ cfs Pump? ☒ Bail ☐
Size of pump and motor used to make test:
3 horse air flow
Length of time of test: 12 Hrs. Min.
Drawdown: 35 ft. Artesian pressure: ft.
above land surface 10 Give flow 6 gpm per min.
or 6 gpm. Shutoff pressure: _____
Controlled by: Valve ☒ Cap ☐ Plug ☐
No control ☐ Does well leak around casing?
Yes ☐ No ☒
DEPTH MATERIAL WATER
FROM TO YES OR NO
FEET FEET
0 10 Dark and sandy No
10 100 Gray & Brown clay No
100 101 Crumbly clay & sand No

001000

Work started: Aug 13, 1969
Work finished: Aug 25, 1969
Well Driller's Statement: This well was
drilled under my supervision and this report
is true to the best of my knowledge.
Name: H. C. Nicholson Well Drilling
Address: 921 6th Ave. So. Payette, Idaho
Signed by: Virgil Hunter
License No. 54 Date: Nov 5, 1969

Use other side for additional remarks

REPORT OF WELL DRILLER
State of Idaho

State law requires that this report shall be filed with the State Reclamation Engineer within 30 days after completion or abandonment of the well.

WELL OWNER: Virgil Hester
Name 1816 1st Ave. S.
Address Payette, Idaho

Owner's Permit No. _____
NATURE OF WORK (check): Replacement well ☐
New well ☐ Deepened ☐ Abandoned ☒

Water is to be used for: IRRIGATION

METHOD OF CONSTRUCTION: Rotary ☐ Cable ☒
Dug ☐ Other _____

(explain) _____

CASING SCHEDULE: Threaded _____ Welded _____
"Diam. from _____ ft. to _____ ft.
"Diam. from _____ ft. to _____ ft.
"Diam. from _____ ft. to _____ ft.
"Diam. from _____ ft. to _____ ft.

Thickness of casing: 2 inches Material: _____

Steel ☐ concrete ☐ wood ☐ other ☐

(explain) _____
PERFORATED? Yes ☐ No ☒ Type of
perforator used: _____

Size of perforations: " by "
perforations from _____ ft. to _____ ft.
perforations from _____ ft. to _____ ft.
perforations from _____ ft. to _____ ft.
perforations from _____ ft. to _____ ft.

WAS SCREEN INSTALLED? Yes ☐ No ☒
Manufacturer's name _____

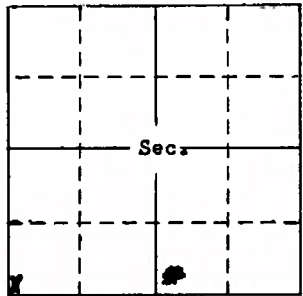
Type _____ Model No. _____
Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.
Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.

CONSTRUCTION: Well gravel packed? Yes ☐
No ☒ size of gravel _____ Gravel
placed from _____ ft. to _____ ft. Surface seal
provided? Yes ☐ No ☒ To what depth?
_____ ft. Material used in seal: _____

Did any strata contain unusable water? Yes ☐
No ☒ Type of water: _____
Depth of strata _____ ft. Method of sealing
strata off: _____

Surface casing used? Yes ☐ No ☒
Cemented in place? Yes ☐ No ☒

Locate well in section



LOCATION OF WELL: County _____

SW 1/4 Sec. 16 T. 11 N. R. 2 E.
SW 3/4 10 T. 11 N. R. 2 E.

Use other side for additional remarks
Casing pulled from well and well closed and abandoned
Artesian but not enough water for any value. Would
run in minutes.

Size of drilled hole: 6 in. Total
depth of well: 425 Standing water
level below ground: _____ Temp. _____
Fahr. _____ ° Test delivery: 1 gpm
or _____ cfs Pump? ☒ Bail ☐
Size of pump and motor used to make test: _____

7 1/2 Submersible
Length of time of test: Hrs. 30 Min.
Drawdown: 260 ft. Artesian pressure: _____ ft.
above land surface 8 Give flow Trickle is
or _____ gpm. Shutoff pressure: _____

Controlled by: Valve ☐ Cap ☐ Plug ☐
No control ☒ Does well leak around casing?
Yes ☐ No ☒

DEPTH		MATERIAL	WATER YES OR NO
FROM	TO		

0	94	Old Well	No
94	332	Blue Shale	No
332	400	Brown Clay	No
400	425	Multi-colored clay with sand	Yes

*(Back filled with
Drill Cuttings)*

CC1062

Work started: July 23, 1969
Work finished: Nov. 4, 1969
Well Driller's Statement: This well was
drilled under my supervision and this report
is true to the best of my knowledge.
Name: H.C. Nicholson Well Drilling
Address: 921 6th Ave. S. Payette, Idaho
Signed by: [Signature]
License No. 54 Date: Nov. 5, 1969

THEORETICAL HORSEPOWER EQUATION WORKSHEET (cjh 1/92)

Water Right No.:

67-4310 & 11202

Examiner:

Roger Meyer

Reviewed by:

Jennifer Dean

Date:

5/6/2005
8/19/2006

P/D No.:

A0016730 A0016731 A0016732-5 A0016728 A0016729

PUMP HORSEPOWER
BOOSTER HORSEPOWER

1.5	3	0	5	2	Total Claim
	0	1.5			3.86 cfs

PUMPING LEVEL

5	16	5	16	40
---	----	---	----	----

DISCHARGE PRESSURE

0	0	0	0	0
---	---	---	---	---

RATE OF FLOW (cfs)

1.85	1.16	1.85	1.93	0.31	Total Capacity
					7.08 cfs

Estimated GPM

50	80	35	165 GPM
			0.367622 cfs

The ab

Assur

Exam

Quantity - measurement
may be required on
artesian wells, check
theoretical on hp: lift
to see what is done
there.
A0016728-A0016739

8.8 * (Efficiency) * hp
depth to water + 2.31*(psi)+friction

CONVERSATIONAL MEMORANDUM

Date: September 14, 2005

To: File 67-4310 and 67-11202

From: Craig L. Saxton

Subject: Evidence of priority

Received a call from who I think is the secretary of John Goff. She saw the EOP letter sitting on his desk and saw that there was a deadline on it. John Goff is out of town so she called me to ask for an extension on the deadline till he gets back and can dig up some evidence.

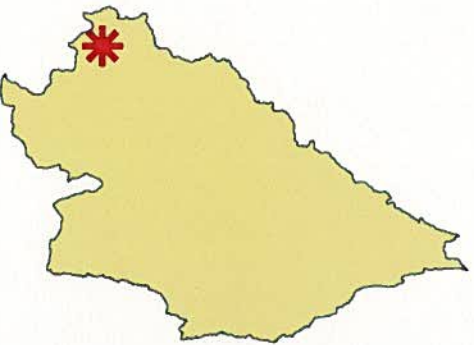
I told her I would note in the file that I said to ignore the deadline and just get us the information ASAP.

Note that after looking at the file, I have EOP for 67-4310

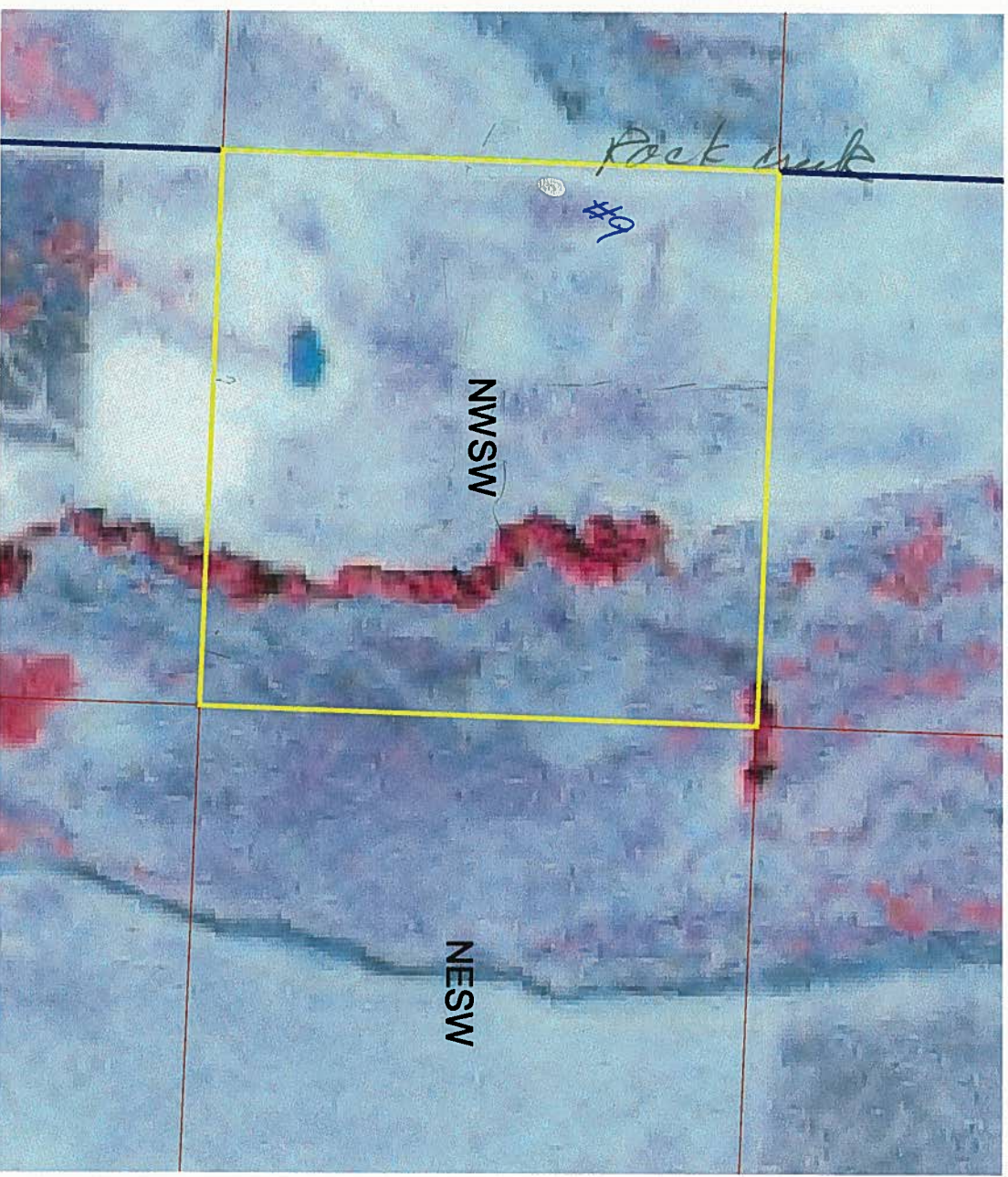
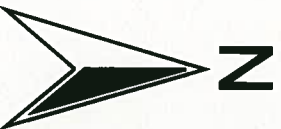
Idaho Department of Water Resources

Water Right Claim No:

67-11202



- Legend**
-  Place of Use
 -  Section Lines
 -  Quarter Quarters
 -  Section Lines



Prepared by: Dan Narsavage
On: February 28, 2005
1987 False-Color Infrared Photography

Contacts Data Entry Form

Owner Type	Full Name	Address	City	State	Zip	Phone
Current Owner	JOHN L GOFF	505 S 18TH	PAYETTE	ID	83661	(208)642-3788
Original Owner	GEO SOLAR GROWERS INC	111 3RD ST S	NAMPA	ID	83651	

Date of Field Exam: 5-6-05 Time: 9:00 AMAccompanied By: John Phone Number: 1-208-549-3799Relationship to Claimant: owner

Directions to Property (if different from above) and/or update owner information:

Need change of address.

w/R 67-4310
67-11202 are tied together.

See Attachment.

Reviewer: Date: 5-6-05

Claim Number 67-4310

Claimed Basis: Statutory Claim

Water Right Basis: Statutory Claim

Document the evidence submitted/reviewed for the priority date claimed, include your analysis of the evidence:

[illegible]

Robert Meyer

Date: 5-6-05

Point of Diversion and Source Data Entry Form

Claim Number 67-4310

Claimed Point of Diversion and Source

T11N R06W S10 SWSW Within WASHINGTON County Source: GROUND WATER

☐ Use Claimed POD and Source as Recommended POD and Source

Water Right Point of Diversion and Source

T11N R06W S10 SWSW Within WASHINGTON County

Recommended Point of Diversion and Source

Source Information

Source

Tributary To

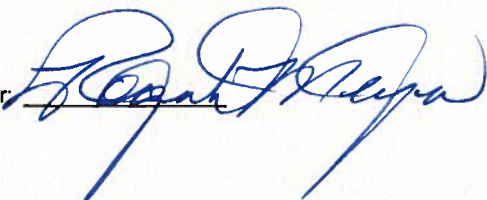
_____	_____
_____	_____
_____	_____

Twp	Rge	Sec	Gov Lot	QQQ of QQ of Q	County	Source
_____	_____	_____	_____	_____	_____	_____
_____	See Map				_____	_____
_____	_____	_____	_____	_____	_____	_____

Other rights from this POD? _____

Document how the POD and Source were verified:

Reviewer: _____



Date: _____

Place Of Use Data Entry Form

Claim Number 67-4310

Claimed Place Of Use

T11N R06W S10	SWSW				
T11N R06W S10	SWSW				
T11N R06W S10	SWSW				
T11N R06W S10	NWSW	30.0	T11N R06W S10	SWSW	30.0
T11N R06W S10	SWSW				

Total Acres 60

☐ Use Claimed POU as Recommended POU

Water Right Place Of Use

T11N R06W S10	NWSW	30.0	T11N R06W S10	SWSW	30.0
---------------	------	------	---------------	------	------

Total Acres 60

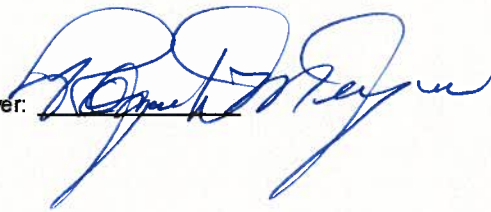
Recommended Place of Use

☐ See corrections to claimed POU above

Tw	Rge	Sec	QQ	Q	County	Lot Num	Acres	Purpose of Use

Total Acres _____

Document how the POU was verified:

Reviewer: 

Date: 5-6-05

Purpose of Use Data Entry Form

Claim Number 67-4310

Claimed Purpose of Use

Water Use	Number of Homes	Number of Stock	Acre Limit
DOMESTIC			
STOCKWATER			
COMMERCIAL			
IRRIGATION			
FISH PROPAGATION			

☐ Use Claimed Purpose of Use as Recommended Purpose of Use

Water Right Purpose of Use

Water Use	Number of Homes	Number of Stock	Acre Limit
COMMERCIAL			
DOMESTIC			
STOCKWATER			
IRRIGATION			

Recommended Purpose of Use

Water Use	Number of Homes	Number of Stock	Acre Limit	Number of Other
See Attachment				

Document how the Purpose of Use was verified:

Reviewer: Date: 5-6-05

Period of Use and Quantity Data Entry Form

Claim Number 67-4310

Claimed Period of Use and Diversion Rate

Water Use	Start	End	Rate	Volume
IRRIGATION	3/15	11/15	1.2	
STOCKWATER	1/01	12/31	0.02	
COMMERCIAL	1/01	12/31	1.5	
FISH PROPAGATION	1/01	12/31	0.7	
DOMESTIC	1/01	12/31	0.24	

Overall Diversion Rate 3.66

Overall Diversion Volume

Use Claimed Period of Use and Quantity as Recommended Period of Use and Quantity

Water Right Period of Use and Diversion Rate

Water Use	Start	End	Rate	Volume
IRRIGATION	3/15	11/15	1	
~~STOCKWATER~~	1/01	12/31	1	
COMMERCIAL	1/01	12/31	9	
DOMESTIC	1/01	12/31	1	

Overall Diversion Rate 10

Overall Diversion Volume

Recommended Period of Use and Diversion Rate

Water Use	Start	End	Rate	Volume
See Attachment.				

Overall Diversion Rate _____

Overall Diversion Volume _____

Document how the Period of Use and/or Diversion Rate were verified:

Reviewer: _____



Date: 5-6-05

**AFFIDAVIT OF JOHNNY L. GOFF
IN REFERENCE TO GROUND WATER
CLAIM NUMBER 67-4310**

STATE OF IDAHO)
 :ss
County of Washington)

I, **JOHNNY L. GOFF** having been first duly sworn deposes and says:

1. I was born October 20, 1951 in Redding, California, and shortly thereafter my folks moved to Payette, Idaho where I lived until I left my home.

2. When I was a teenager, I was close friends with Dave Harter whose father owned what is now known as the Weiser Hot Springs.

3. I am attaching to this Affidavit an Affidavit filed by Glenn E. Campbell dated March 12, 1980. I have review that Affidavit, and have been familiar with the Hot Springs over the years and know of my own personal knowledge that the county records reflect the ownership and use of the Hot Springs as reflected in Mr. Glen Campbell's Affidavit.

4. I therefore incorporate by reference, Mr. Campbell's Affidavit, reflecting to the best of my knowledge the historical use of the Hot Springs water that arises on the property that I now own.

5. I first came to the Hot Springs property with my friend Dave Harter to assisted him in and his father in the operation in a limited role. I did observe, however, that the hot water was used in the swimming pool, for irrigation purposes, for greenhouse purposes, and used to raise fish in the catch pond where the hot water drains into.

6. As early as 1977, I worked for Geo Solar Growers and drilled wells on the Weiser Hot Springs property. While drilling the wells, I observed that the Hot Springs well water was being used for the same purposes as I observed when I went out on the property with my friend Dave Harter.

7. In 1984, I purchased Dallas Drilling, which was a well drilling rig and operation. In that same year I drilled additional wells at the Weiser Hot Springs property for Trails End Resorts who at that time owned the Hot Springs.

8. In early 1984, while I operated the Hot Springs property I was also involved in an extensive litigation relating to the Hot Springs, during which I then purchased the Hot Springs property.

9. Since 1984, all the Hot Springs water that arises on my land, which is appurtenant to the Hot Springs water claim numbers 67-4310 and have used the water on the property for the same purposes used by Mr. Harter, which include the following:

a) I use approximately 1.2 CFS for irrigation purposes of approximately 10 acre from the early spring from approximately March 15 through November 15 of each year;

b) I would estimate my use for the livestock consisting of horses, cattle, pigs, geese, and chicks to be approximately .02 CFS water used.

c) We used the hot water to fill the swimming pool, the bathhouses, the hot tubs, and to heat all the buildings on the property, with the excess water running into the ponds where I have raised approximately 40 different varieties of fish over the years; and

d) There are some living quarters for tenants approximately 11 units, 12 RV hookups and a domestic homestead, which have been on the property long before I became the owner of the same.

10. From 1984 to present I have used all the hot water on the property for the above purposes on a continuous uninterrupted and regular basis. The total use for the above purposes is somewhere in the neighborhood of 3.66 CFS, which I continue to use today and will continue to use in the future.

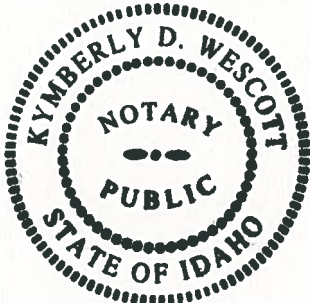
11. Each time I visited the Hot Springs since 1968 as a teenager to present, while with some variations, the Hot Spring water use has continued over those years approximately in the same manner and in the same type of use.

12. To the best of my knowledge, understanding and recollection the above is true and correct relating to the water rights on my property.

DATED this the 13th day of December 2005.

Johnny L. Goff
Johnny L. Goff

SUBSCRIBED AND SWORN to before me this 13th day of December 2005.



Kimberly D. Wescott
Notary Public for the State of Idaho
Residing at: Weiser
Commission Expires: 05/17/2010

Idaho Department of Water Resources



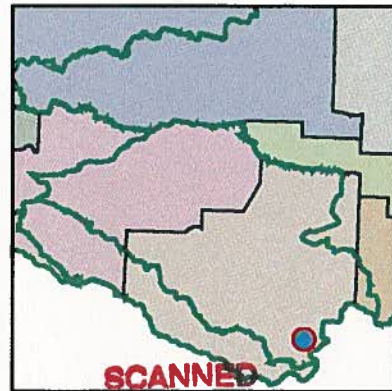
T11N R06W

Adjudication Claim Number: **67-4310**

Legend

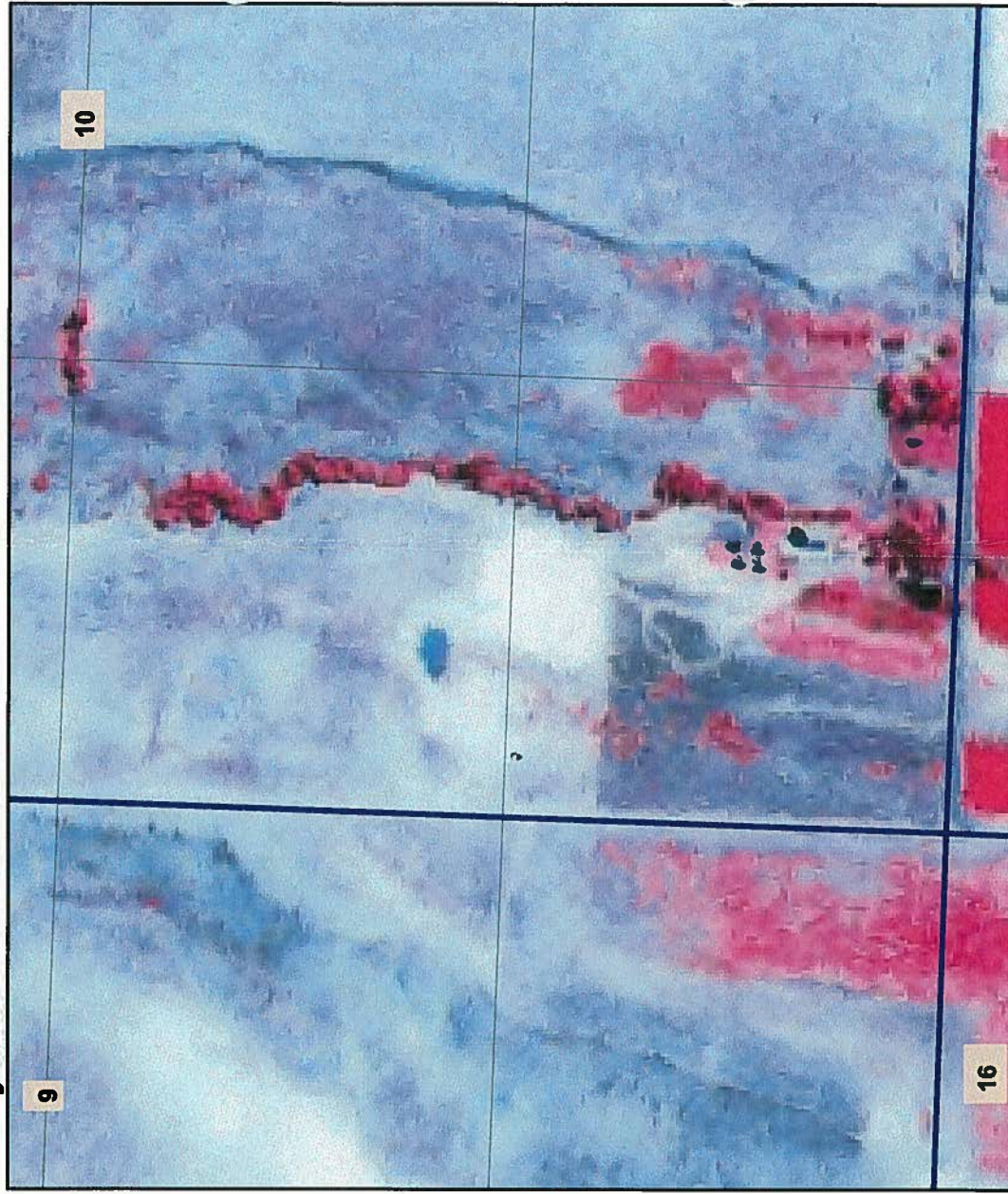
PLS Sections

GCDBQuarter Quarters



Washington County
IDWR Basin 67

Prepared by M. Van Bussum
On Thursday, September 1, 2005
1987/88 Aerial Photography



DEC 19 2005

9. That Campbell Hot Springs burned in 1924 but was rebuilt shortly thereafter with the same commercial/recreational uses continued through 1948; and
10. That the natural hot water was used periodically for agricultural purposes as the heat source for an incubator (1924-37), to scald hogs (1940's), and continuously from 1917 through 1948 to water stock, both sheep and cattle; and
11. That upon information supplied directly from James W. Campbell and Lena O. Campbell, and upon personal observation and knowledge, the affiant states that natural hot water found on or under said property has been used continuously from 1917 to the present for commercial/recreational use and repeatedly during that same period for agricultural purposes.

Glen E. Campbell
Glen E. Campbell

SUBSCRIBED AND SWORN to before me this 12 day of

~~January~~
March 1980

(SEAL)

[Signature]
Notary Public for Idaho
Residing at Boise, Idaho

State of Idaho
Department of Water Resources

CLAIM ANALYSIS SHEET

INITIAL REVIEW BY: CW Bryan Jr.

Right Number 107-4310 Applicant GEOSOLAR GROWERS, INC

NOTE: IF ANY OF THE ITEMS BELOW ARE MISSING, THE CLAIM IS INCOMPLETE AND MUST BE RETURNED IMMEDIATELY TO THE CLAIMANT ALONG WITH THE APPROPRIATE COVER LETTER.

CHECK:

- ☒ Name and address.
- ☒ Date of priority. (Check for a date past the mandatory filing dates.) (One date only.)
- ☒ Source.
- ☒ Quantity, use, period.
- ☒ Point(s) of diversion.
- ☒ Location of use.
- ☒ Signature/notarization/fee.

FINAL REGIONAL PROCESSING REVIEW:

- ☒ Affidavit of publication received.
- ☒ Claim published correctly.
- ☐ Exceptions processed.

By DBS Date 5/6/80

STATE OFFICE PROCESSING:

- ☒ Claim review complete.

By Jani Date 5/12/80

MICROFILMED

Christopher D. Bray
Attorney at Law
217 West State Street
Boise, Idaho 83702
Telephone: (208) 343-0273

DEPARTMENT OF WATER RESOURCES

STATE OF IDAHO

In The Matter Of)
Weiser Hot Springs,) Case No.
Claim to Water Rights) AFFIDAVIT

Glen E. Campbell, who after being sworn, and now upon his oath, testifies to the following facts and conditions:

1. That he is Glen E. Campbell residing at 555 West Main, Weiser, Idaho; and
2. That he was born on July 11, 1925 in Weiser, Idaho, and has lived in and around Weiser, Idaho continuously since the date of his birth; and
3. That real property generally described as SW $\frac{1}{4}$ of Sec 10, T11N, R6W, B.M., approximately 160 acres, and including what is now known as Weiser Hot Springs, was purchased by the Campbell Land & Livestock Co., October 20, 1917; and
4. That his father, James W. Campbell was then the owner and proprietor of said company; and
5. That the same property was sold by said company to James W. Campbell as his separate property on January 1, 1920; and
6. That ownership of said property remained with the parents of the affiant, James W. Campbell and Lena O. Campbell until sold by the latter as her sole and separate property to W. T. Branstetter on November 10, 1947; and
7. That Campbell Hot Springs, now known as Weiser Hot Springs was built in 1917 and then offered commercial and or recreational uses of a swimming pool, hot water baths, camp sites, temporary residence facilities, and a dance hall; and
8. That the pool, baths, and dance hall were each heated by natural hot water found on or under said property and that the camp sites and temporary residence facilities used the same hot water for domestic purposes; and

W. T. BRANSTETTER

9. That Campbell Hot Springs burned in 1924 but was rebuilt shortly thereafter with the same commercial/recreational uses continued through 1942; and
10. That the natural hot water was used periodically for agricultural purposes as the heat source for an incubator (1924-37), to scald hogs (1940's), and continuously from 1917 through 1948 to water stock, both sheep and cattle; and
11. That upon information supplied directly from James W. Campbell and Lena O. Campbell, and upon personal observation and knowledge, the affiant states that natural hot water found on or under said property has been used continuously from 1917 to the present for commercial/recreational use and repeatedly during that same period for agricultural purposes.

Glen E. Campbell
Glen E. Campbell

SUBSCRIBED AND SWORN to before me this 12 day of

~~January, 1980~~
March 1980

(SEAL)

J. B. Whitely
Notary Public for Idaho
Residing at Boise, Idaho

