

*Supplemental
Report*

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 47-7624

Exam Date: 8/23/1985 and 5/9/1995

1. Current Owner: CHERYL HERMAN
2738 E 2400 N
TWIN FALLS ID 83301
(208) 655-4337

And

JAMES F HERMAN
2738 E 2400 N
TWIN FALLS ID 83301
(208) 655-4337

2. SOURCE

GROUND WATER
NAT-SOO-PAH SPRING

TRIBUTARY

SINKS

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 47-4147 and 47-4148
2. Other water rights with the same point of diversion: 47-4147, 47-4148, and 47-10944 (see comment in claim proof report that verifies overlap)

C. DIVERSION AND DELIVERY SYSTEM

1. LOCATION OF POINT(S) OF DIVERSION:

GROUND WATER	NE1/4NW1/4	Sec. 31, Twp 12S, Rge 17E, B.M.
TWIN FALLS County		
NAT-SOO-PAH SPRING	NE1/4NW1/4	Sec. 31, Twp 12S, Rge 17E, B.M.
TWIN FALLS County		

Method of Determination: Site visit

2.

PLACE OF USE: COMMERCIAL

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
12S	17E	31					X												

Method of Determination: Site visit

3. x Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
- x 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 Photo of Diversion and System Attached

4.

Well or Diversion
ID No.*

Motor MakeHpMotor Serial No.Pump Make

Pump Serial No. or Discharge
Size

GW (A0002513)

SW (E0009071)

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1. Broad crested weir measurement at an overflow point
2. Calculation from the time it takes to fill the pool

Range established = 0.72-0.78 cfs
Note that this does not include rate from the campground. The range above is rate available for the spas/pools. The required rate for the campground is 0.12 cfs. Based on that info. the estimated capacity is 0.84-0.90 cfs.

E. FLOW CALCULATIONS

Measured Method:

1. under normal condition the measurement at the broad crested weir = 10 cm or 0.78 cfs
2. Pool volume = 309,672 filled in 960 minutes (16 hours)
 $309,672 / 960 = 322.6 \text{ gpm or } 0.72 \text{ cfs}$

F. VOLUME CALCULATIONS

1. Volume Calculations for Other Uses: Commercial use (see attached calculations)

G. NARRATIVE/REMARKS/COMMENTS

See Steve Clellands 6/8/11 Memo

Have conditions of permit approval been met? ☒ Yes ☐ No**H. RECOMMENDATIONS****1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
COMMERCIAL	01/01 to 12/31	0.280 CFS	22.90 AF
<u>Totals:</u>		0.280 CFS	22.90 AF

2. Recommended Amendments

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

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

NARATIVE TO PERMIT FILE 47-7624

DATE: JUNE 8, 2011

FROM: Steve Clelland

Permit 47-7624 was filed on 1/28/1980 and approved on 3/17/1980. This permit was initially examined by Terry Blau of IDWR on 8/23/1985 and some preliminary evaluation was done at that time. A SRBA claim was filed for this Permit on 10/24/1988 as well as overlapping claims 47-4147 & 47-4148. I completed a field exam on the Nat-Soo-Pah site with the owner Jerry Duffy on 5/3/1995 with some follow-up visits during that week. My purpose was to verify the SRBA claims but to also gather information necessary to resolve the outstanding Permit. Full documentation of the exams can be found in the SRBA claim files however some of the records were copied over into the Permit file.

SRBA claims 47-4147 & 47-4148 were recommended in the fall of 2006 and issued as Partial Decrees on 6/1/2010. A copy of each is included in the file for reference. The SRBA claim for this Permit was issued with the A01 condition in the recommendation and is now held by the Court pending the resolution of this Permit.

I was asked to complete the Permit analysis due to my familiarity with the site and water uses. The Permit is requesting additional flow for commercial uses at a rate of 0.30 cfs. I have calculated and described the existing uses and flows for the entire system to determine if any use or flow remains to be necessary beyond the SRBA decreed rights.

There are many descriptions of the pool and spa volumes and it was unclear which of the estimates was most accurate. I used a combination of my personal observations, an aerial photo from the Bing map website, scale drawings and an ArcMap sketch of the pool dimensions to get the most accurate determination of the pool volume. I found it to be 309,672 gallons. I used a profile sketch to measure the area of the variations in depth; this was 828 sq.ft.

$828 \text{ sq.ft.} \times 50 \text{ ft (width)} = 41,400 \text{ cu.ft. volume} \times 7.48 \text{ gal/cuft} = 309,672 \text{ gallons}$

Calculation of a flow rate was based on a fill rate of 16 hours. This was the most commonly mentioned fill rate in file notes. Using the following calculation I estimated the flow rate (cfs) needed to fill the pool under those conditions.

$309,672 \text{ gal.} / (26,930 \text{ gph} \times 16 \text{ hr.}) = 0.72 \text{ cfs}$

There are two hot tub/soak spas on site. The small spa is described as 8'x8'x4' and the file notes say it refills in 12 minutes (0.20 hr). The volume of this spa is 1915 gallons

(determined using similar formulas as above). The larger soak spa is described as 6'x16'x4' and results in a volume of 2872 gallons. It is said to refill in 20 minutes (0.34 hr.). There were notes on the file folder (that I transcribed and placed in the file) that mention the spa is 800 gallons and refills every 12 minutes – the soak spa is 1600 gallons and refills every 20 minutes. I calculated diversion rates for the spas at both the variations of volume given and the flow rates ranged from 67 gpm to 162 gpm. (.15 cfs - .36 cfs) The combined flow rates could be as much as 300 gpm (0.67 cfs) to refill the two spas as described. This would be equivalent to running two wheellines of irrigation and seems to be unrealistic to the situation as observed. However, the flow rate is available from the diversion well if actually used in this manner. It does not appear to exceed a total beneficial use flow rate as described later in this report.

Allow for a combined refill of all the pool volumes within the 16 hour period:
 $314,459 \text{ total gallons} / (26,930 \text{ gph} * 16 \text{ hr.}) = 0.73 \text{ cfs}$
(Compare with the main pool diversion rate by itself = 0.72 cfs)

Next I reviewed the RV park, picnic/campgrounds and various other miscellaneous uses of the water. This includes park water spigots, restrooms & pool showers. Using the standards described in Appendix IV of the Adjudication Handbook it indicates camp/park similar to this setup can use 20-35 gpd per camper. There are 60 RV/camp sites that are typically for use overnight or longer stays. The park area is day use only. A general estimate was made of the flow rate needed for a heavy use of the facilities based on the 60 RV spaces being filled with 4 people at each site. Other assumptions used were 27 gallons per person per day and a season of use of 135 days. The "official" site season is May 1st thru Labor day.

$240 \text{ people} * 27 \text{ gpd} = 6480 \text{ gpd use.}$
 $6480 \text{ gallons over a 24 hr use} = 0.01 \text{ cfs.}$ However a more typical use would be a peak demand flow rate over a 2 hour period. That would be a rate of 0.12 cfs. ($6480 \text{ gal.} / 26,930 \text{ gph} * 2 \text{ hr} = 0.12 \text{ cfs}$)

At this point I calculated the anticipated volume requirements for the park system as:
Main season: $6480 \text{ gpd} * 135 \text{ days} / 325,850 \text{ gal-AF} = 2.7 \text{ AFA}$
Off season: $0.02 \text{ cfs} * 230 \text{ days (use would be similar to in-house domestic uses)} = 0.8 \text{ AF.}$ Therefore, Total B.U. demand = 3.5 AFA

Going back to the total Pool use volume calculations, the sum of the two spas and the main pool gallons: $309,672 + 1915 + 2872 = 314,459 \text{ total gallons.}$

Divide by 325,850 gallons/AF: 0.97 AF capacity.

The pool takes 16 hours to fill. An affidavit by John K. Courtney <see 47-4147> states the pool is drained and refilled once per week; this is my personal knowledge of the

operation also. Therefore, $135 \text{ days} / 7 = 19.2 \text{ weeks}$ – allow for 20 refills. No use for the off season: Total pool B.U. volume = $0.97 \text{ AF} * 20 \text{ weeks} = 19.4 \text{ AFA}$

VOLUME:

Diversion Volumes:

-- Park --

Main season: $0.12 \text{ cfs} * 135 \text{ days} / 1.98 \text{ AF-cfs} = 8.2 \text{ AFA}$

Off season: $0.02 \text{ cfs} * 230 \text{ days} / 1.98 \text{ AF-cfs} = 2.3 \text{ AFA}$

Total Park diversion capacity = 10.5 AFA

-- Pool --

$0.73 \text{ cfs} * 135 \text{ days} / 1.98 \text{ AF-cfs} = 49.8 \text{ AFA}$

Combined Diversion Volume capacity: 60.3 AFA

Beneficial Use Volumes:

-- Park --

Main season: $6480 \text{ gpd} * 135 \text{ days} / 325,850 \text{ gal-AF} = 2.7 \text{ AFA}$

Off Season: use the 0.8 AF allowed for typical Domestic Volume = 0.8 AFA

Total Park B.U. volume requirement = 3.5 AFA

-- Pool --

As from above: $0.97 \text{ AF} * 20 \text{ weeks} = 19.4 \text{ AFA}$

*** Total Nat-Soo-Pah yearly volume requirement for Beneficial Use is: $19.4 + 3.5 = 22.9 \text{ AFA}$

*** Total Nat-Soo-Pah flow rate requirement for B.U. is: $0.12 \text{ cfs (park)} + 0.73 \text{ cfs (pool)} = 0.84 \text{ cfs}$

COMPARISON WITH EXISTING DECREED RIGHTS:

47-4147: 0.60 cfs and volume for Commercial use 150 AFA

47-4148: 0.28 cfs (no volumes given)

=====

Total 0.88 cfs currently allowed diversion rate under existing rights.

Other comments regarding the decreed uses:

The volumes listed for right 47-4147 are beyond the capacity of the systems in use as recommended. I was unable to find documentation of how those values were determined.

The overflow of the pool system was measured with a Broadcrested weir under "normal operating conditions" and the flow was 0.78 cfs. This flow accounts for most of the system water usage with the exception of two small irrigation ditches that flow

around the park and the consumptive portion of the diversions (restrooms etc.). This supports the overall range of the diversion capacity/use as being sufficient in the decreed rights. <See field notes and drawings>

SUMMARY:

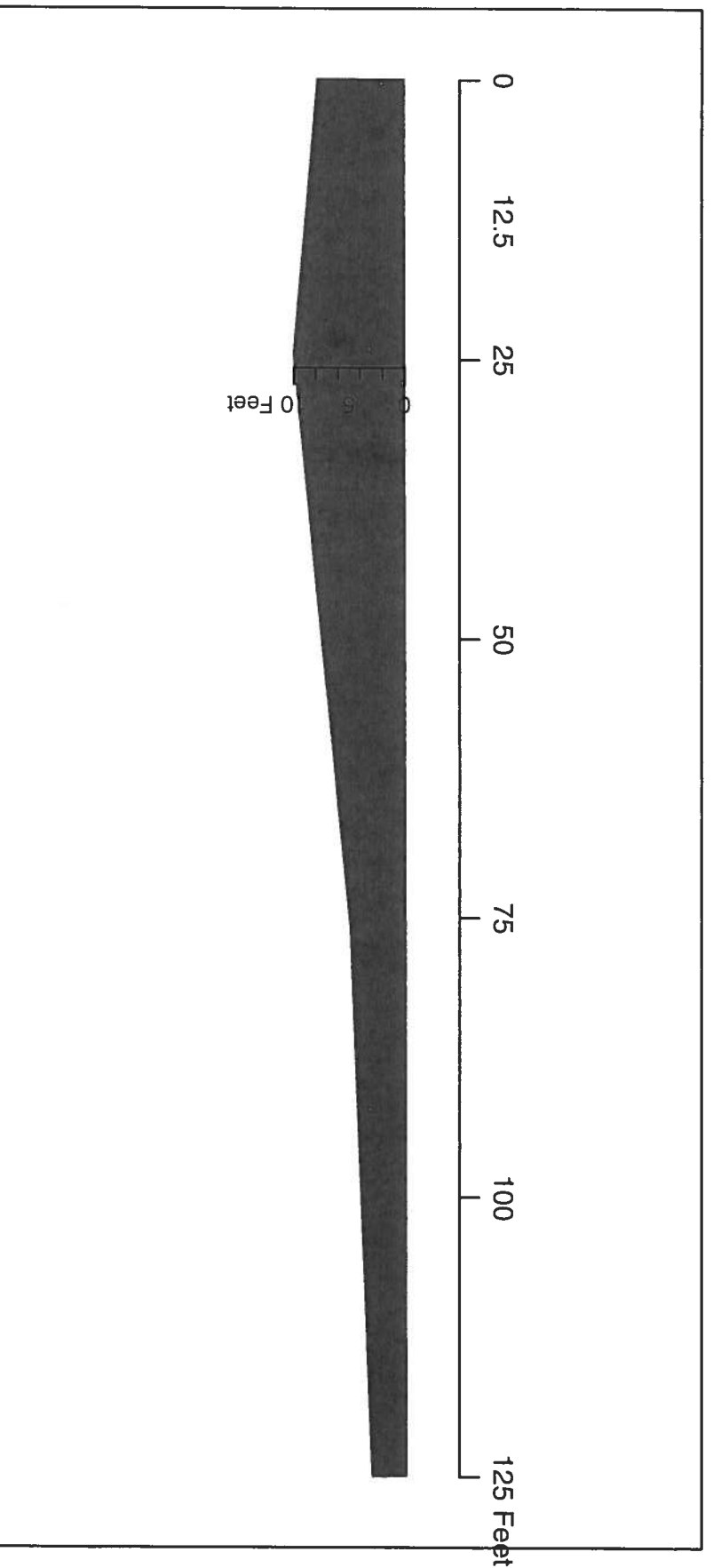
There appears to be no additional diversion rate necessary for the Commercial use identified within this Permit 47-7624. All the necessary flow rates, uses, volumes and seasons are accounted for and covered by the decreed rights.

RECOMMENDATION:

This permit should be cancelled.

Permit 47-7624

IDAHO DEPARTMENT OF WATER RESOURCES



Legend

 Nat-Soo-Pah pool profile

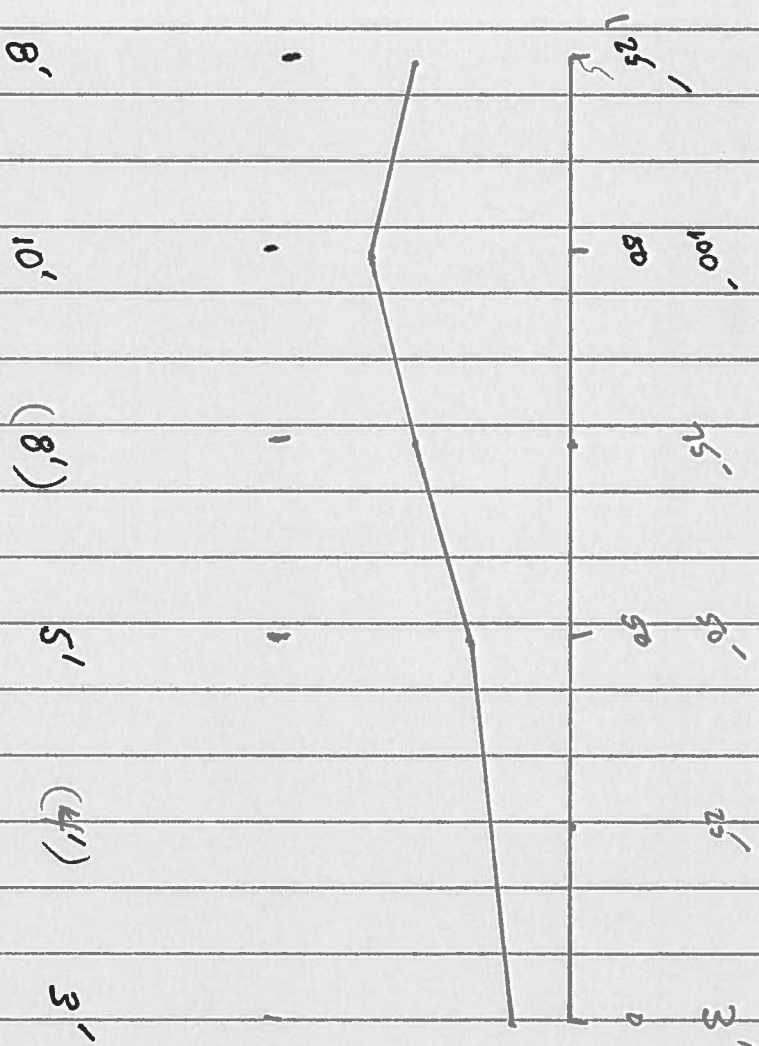
Pool Volume Calculations:

Area shown in drawing = 828 sq. ft. (length X depth)
828 sq.ft. X 50 ft. width = total volume of 41,400 cubic ft.
cubic ft. X 7.48 gallons water/cu.ft. =
309,672 total gallons of pool volume.

Permit Review 47-7624
Pool Volume analysis
Exhibit prepared in ArcMap by Steve Clelland
June 8, 2011

Horizontal scale
1" = 25'

Vertical scale
1" = 10'



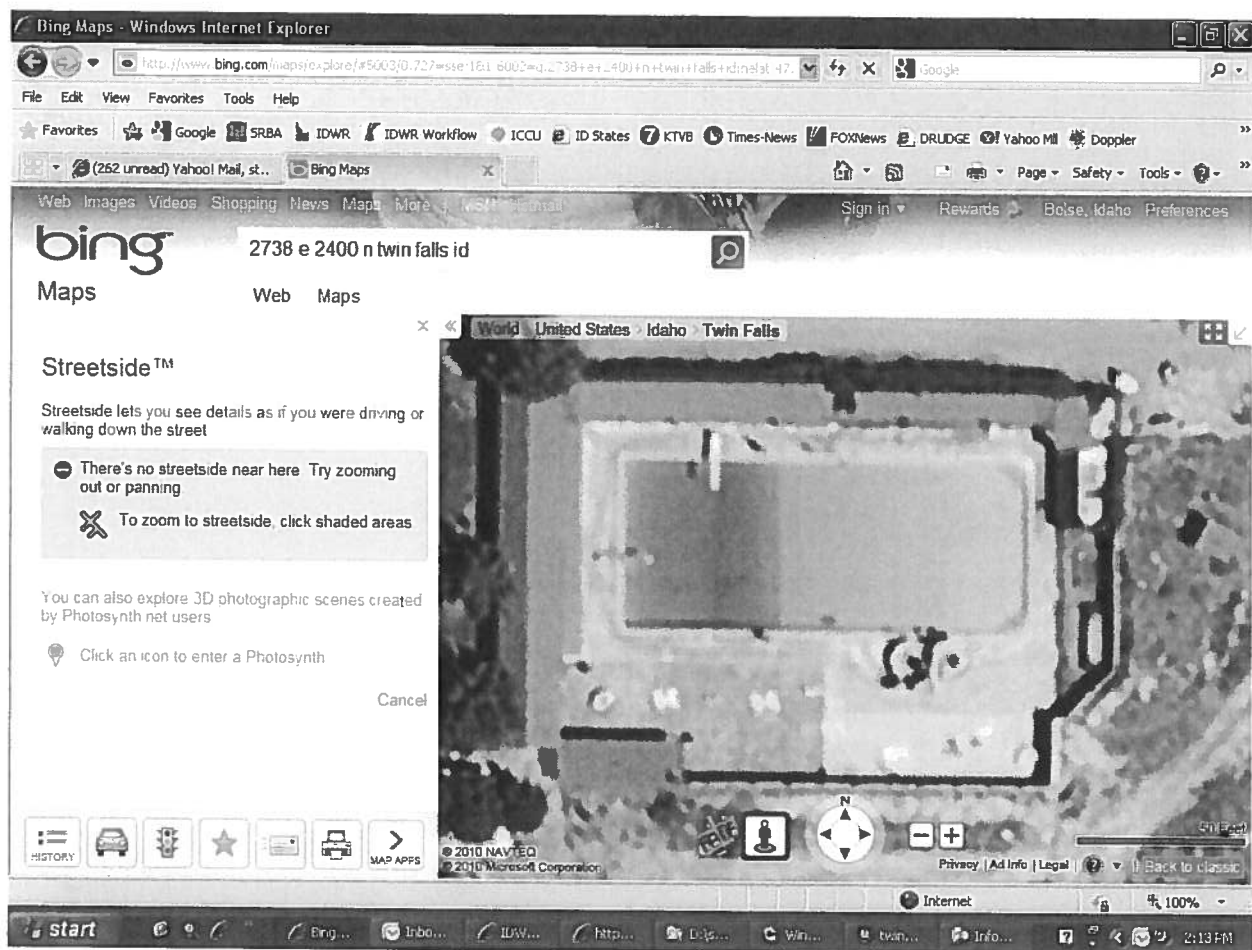
Rock Volume Data

BING MAP REVIEW

@ 50' scale

PERMIT 47-7624

Steve Clelland

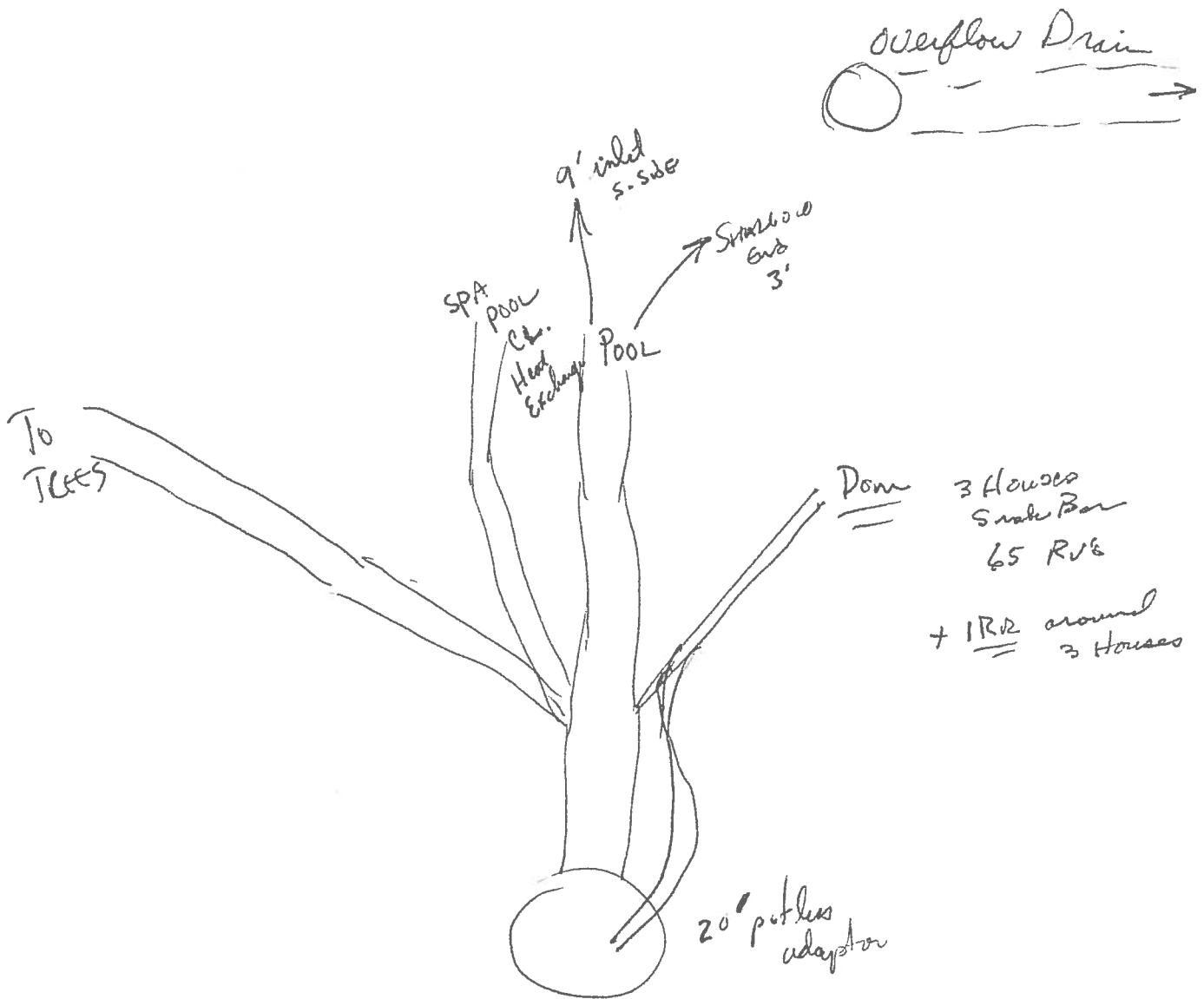


Permit 47-7624
Nat-Soo-Pah

This aerial shows the variation in the pool depths. Used to help identify the pool volume.
(Screen capture on 6/7/2011 by Steve Clelland)

FIELD NOTES
NAT SOO PAH
A47-4147

By Steve McCAND
5-3-95



SCANNED

JUN 18 2009

INSIDE
Green House

NAT PAH

A47-4147

A47-4148

POND

40 RV

POOL

Green House

CL

16" Deep Hole Springs

16" well

Control Valve

A0002513

GPS NOTES:

file R050315A

15 HEADS WHL

0.10 MILE FIELD

RV 20

ALFALFA

SINKS 10 POUNDS

6-324641-69
5HP

DITCH

PIPELINE
POOL SKIMMER
(SKIMMER
OVERFLOW)

TRUCK

SCANNED
JUN 18 2009

DITCH

Parking Lot

Field Notes

STEVE CLELLAND

5-3-95

Field Notes
Nat SOO PAH

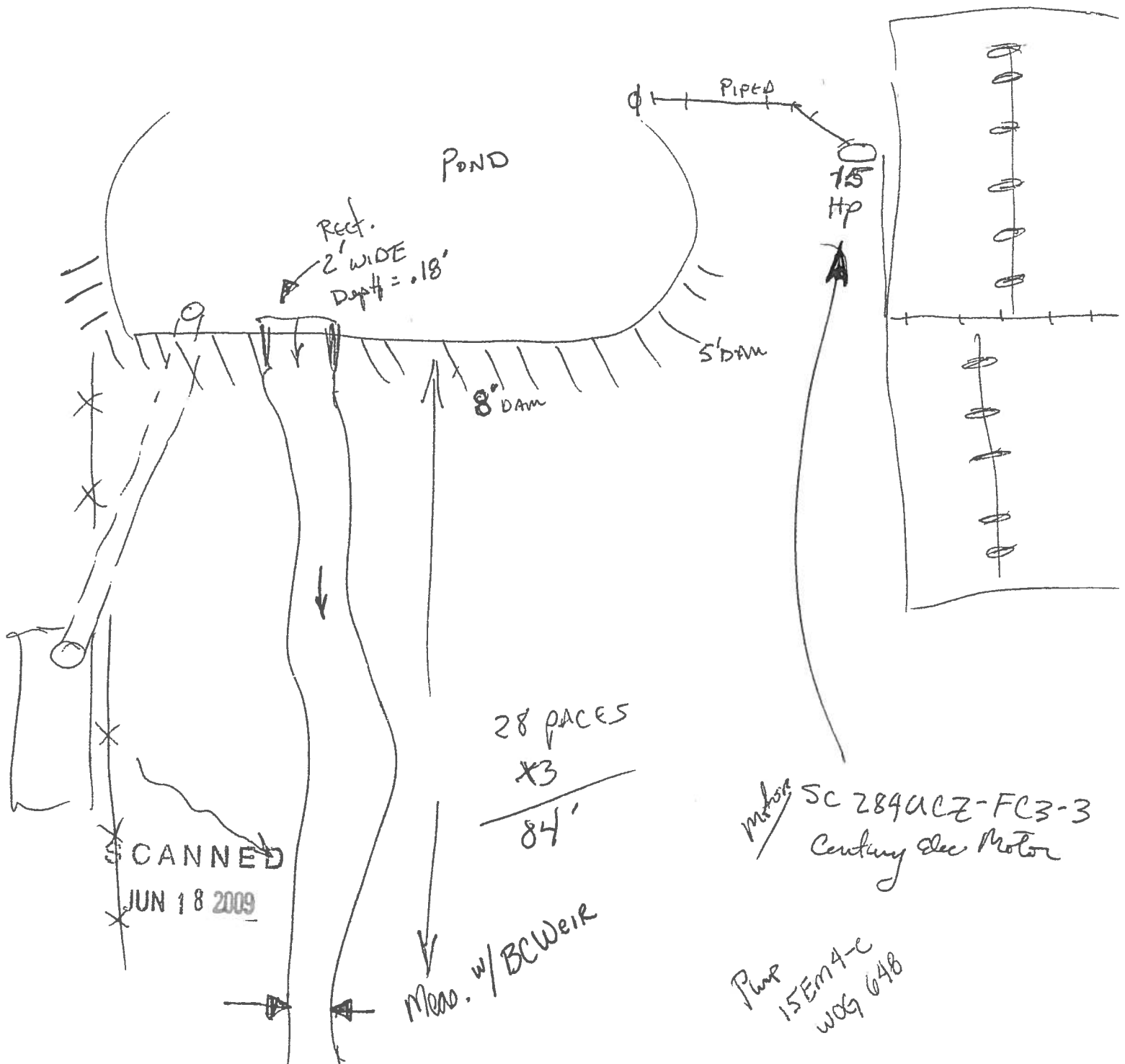
5-3-95
STEVE CLELLAND

16" One well

Broad Crested Weir Meas.

$$cm = 10.0 \text{ cm} = 0.78$$

normal flow



COMBINED RIGHT / OVERLAP REVIEW

SCC
4-27-95

claim
amended
removed
irrig. val

A47-4147 (J)
— (x show 23 Ac.)
—
Com 0.60 cfs
Dom 0.26
HTG 0.52
1.40 cfs

*TOTAL 0.60 cfs

A47-4148 (J)
IKR 0.28 cfs (18.0 Ac)
STK 0.12 (3000 sheep)
Com 0.28 (pool, camp, snack)
Dom 0.08 (1 Home)
0.76

*TOTAL 0.28 cfs

(Rate/Ac.
irrig. = 0.0156 cfs/Ac)

A47-7624 (K) ^{PERMIT} 1-28-1980

Com 0.30 cfs

Exam: 8/23/1985

Confirmed
Exam date
w/ Terry Blane
per Colorado
4-28-95
SCC
* MUST COMPLETE
LICENSE EXAM
I TOOK FILE FROM
JIM STANTON
4-27-95

Permit 47-7

SCANNED

JUN 18 2009



16" well head (POD)



Photos by
TERRY
Blau
(IDWR)
date unknown

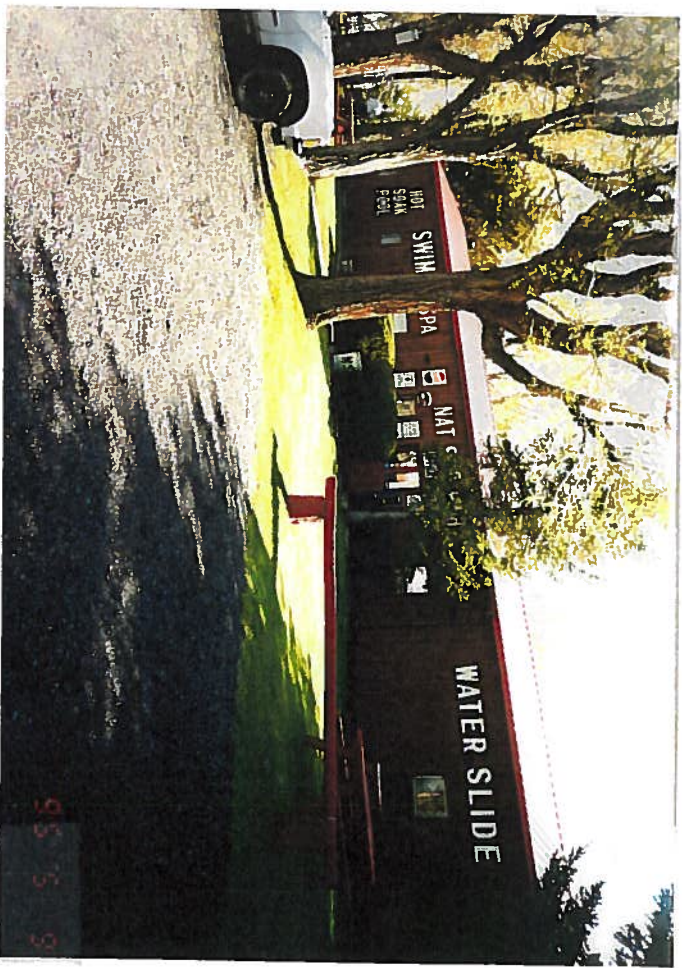
47-7624

50' X 125' POOL



PHOTOS
BY SCL
5-9-95
RA7-2

RV Campground West of Pool.



RV Campground West of Pool.

Permit 47-7624

Main Entrance



Campground Area
View NW

Photos by
scc
5/9/95

(SRBA
A47-4147)

Permit
47-7624



Campground Area
View South

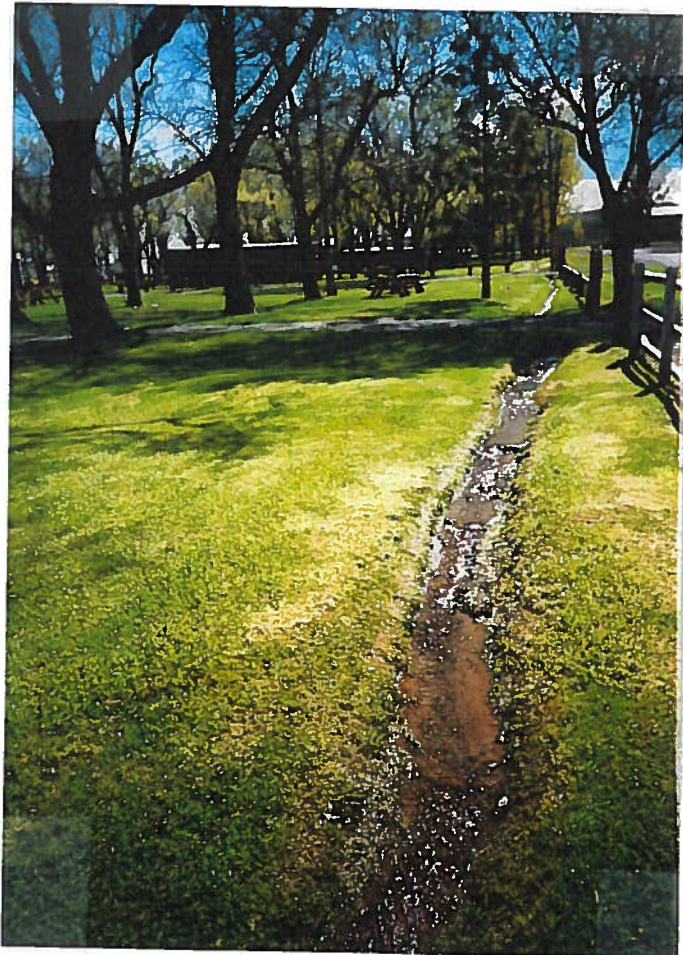


collection pond for Ditch

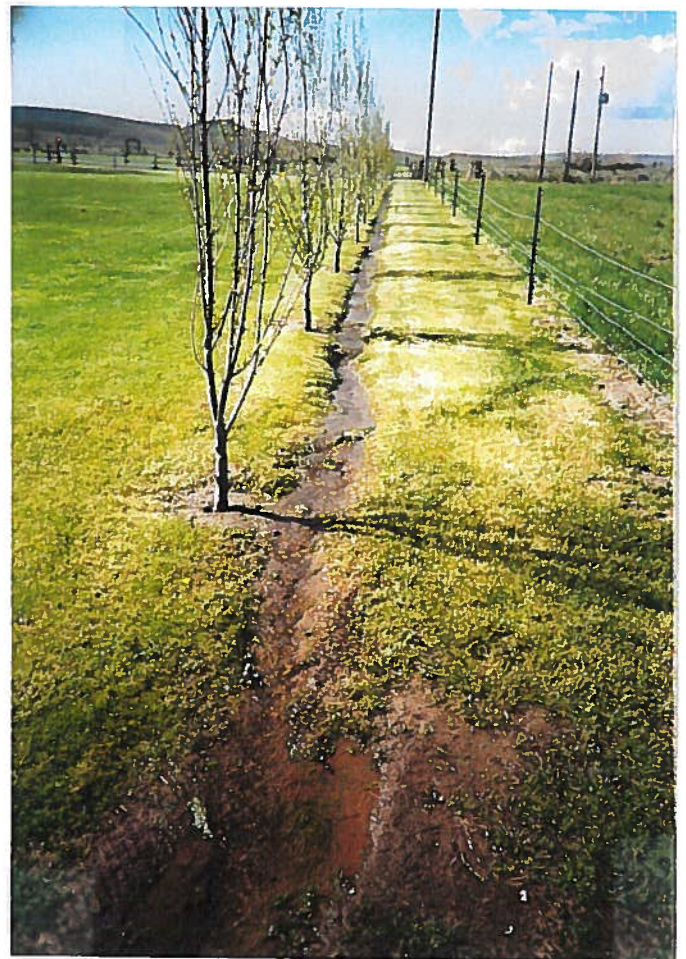
Photos by
SCC
5/9/95

SRBA
(A47-4147)

Permit
47-7624

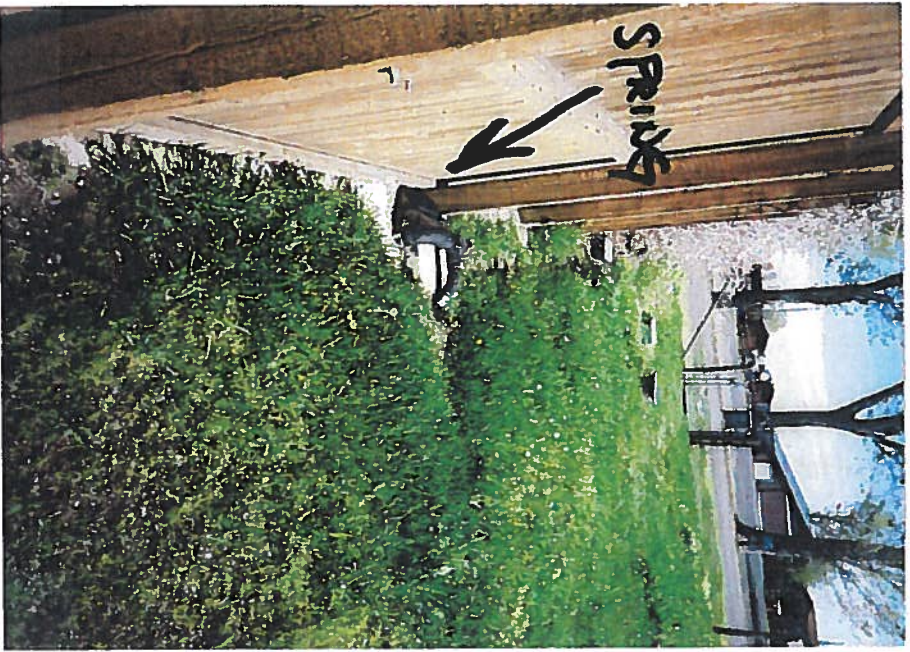


IRRIGATION
DITCH

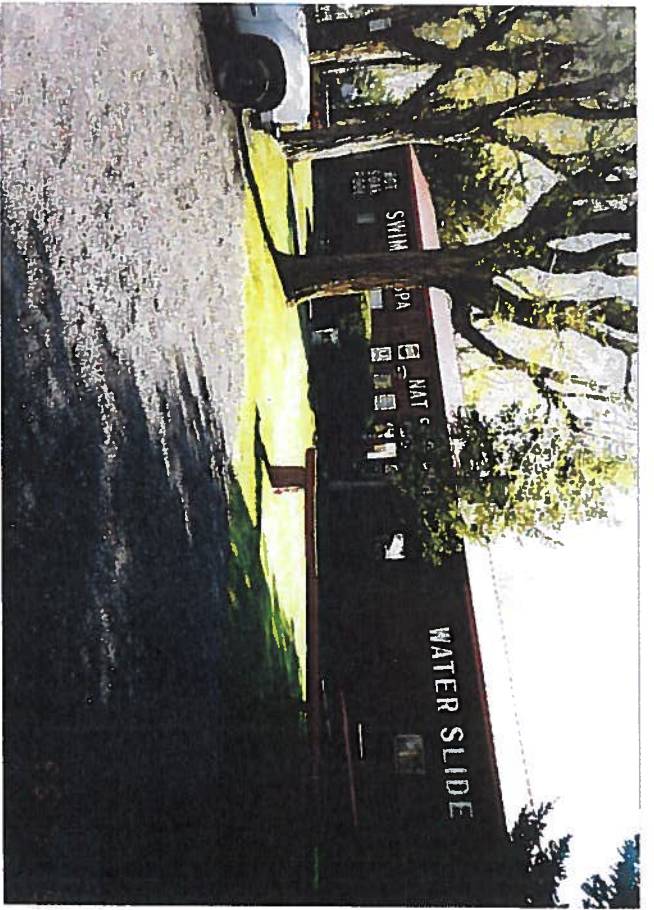


IRRIG. DITCH

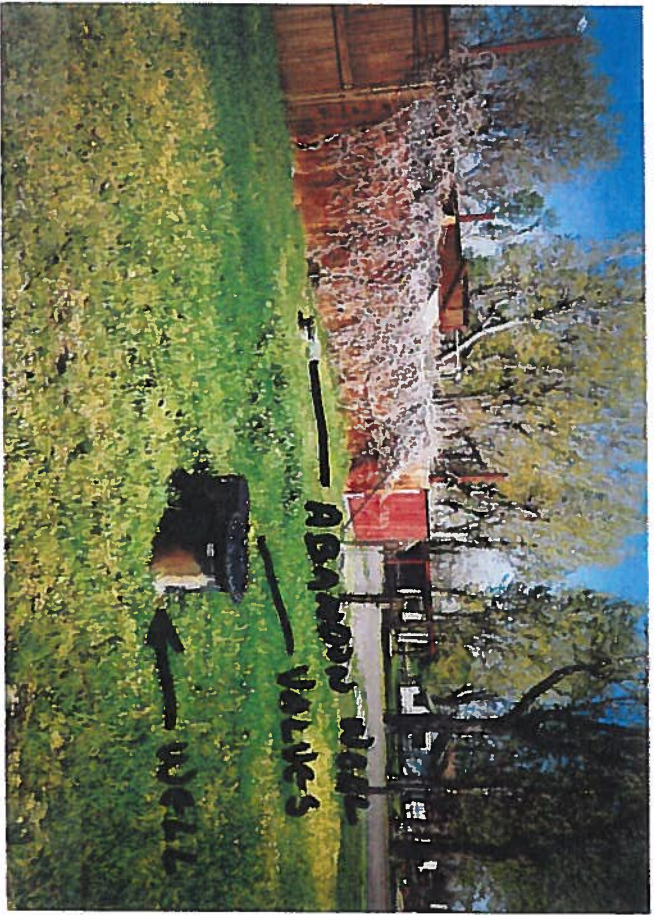
RA7-2
 photos
 5-9-95



NAT-500-PAH SPRING SITE
 16" DEEP CONCRETE GUTTER
 COLLECTS RISING WATER,
 PIPED INTO MANIFOLD SYSTEM IN
 THE GREENHOUSE



MAIN ENTRANCE @ NAT-500-PAH.



16" WELL SITE, EAST OF POOL.

A47-4/47 DUFFY

*
Water Slide



NAT
(MAGIC)

NAT - SOO - PAH

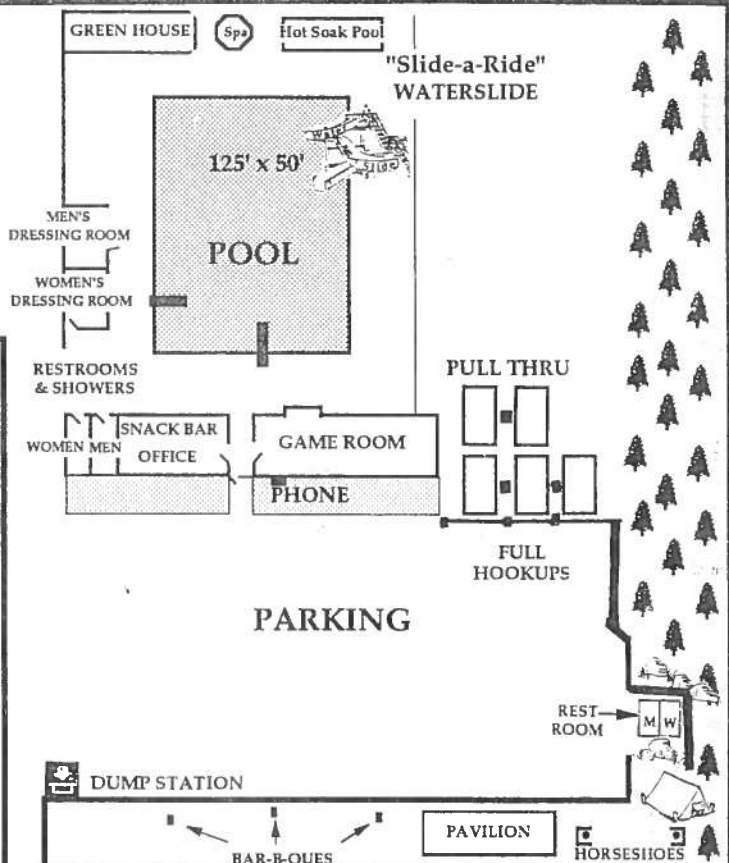
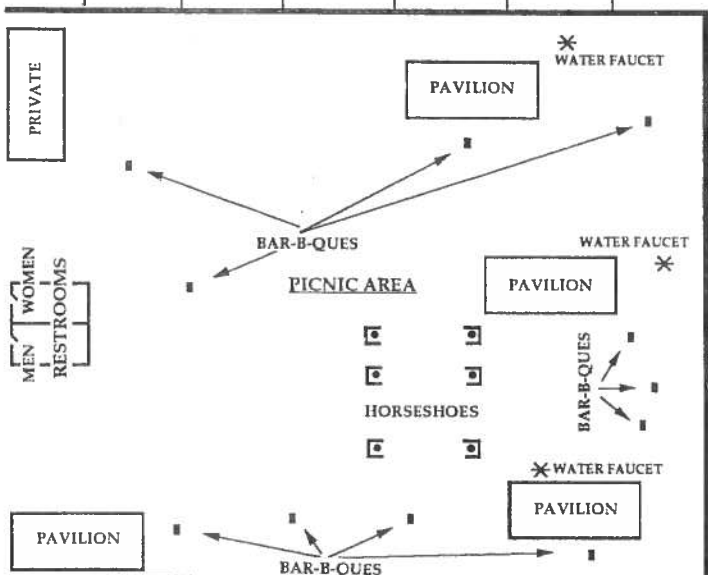
(MINERAL)
(208) 655 - 4337
Hot Springs

Soak Pool
Spa
(WATER)
INC.
RV Park

16 MILES SOUTH OF TWIN FALLS, IDAHO ON SOUTH BLUE LAKES
BLVD. OR 3 MILES EAST OF HOLLISTER, IDAHO

NIGHT
OFFICE

Electricity & Water



Water & Electricity Hookups

19	17	15	13	11	9	7	5	3	1
20	18	16	14	12	10	8	6	4	2

Pull Thru Full Hookups

3	1	3	1	3	1	3	1	3	1
E	D	C	B	A					
4	2	4	2	4	2	4	2	4	2

Water & Electricity Only

3	1	3	1	3	1	3	1	3	1
J	I	H	G	F					
4	2	4	2	4	2	4	2	4	2

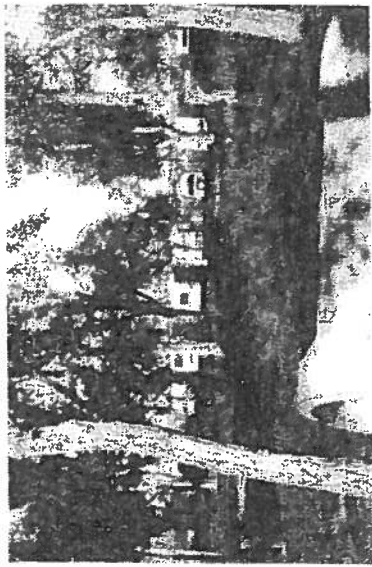
SCANNED

JUN 18 2009

YOUR SITE NUMBER IS: _____

ENTRANCE





An Oasis

Nat-Soo-Pah is an Indian name meaning "Magic Mineral Water."

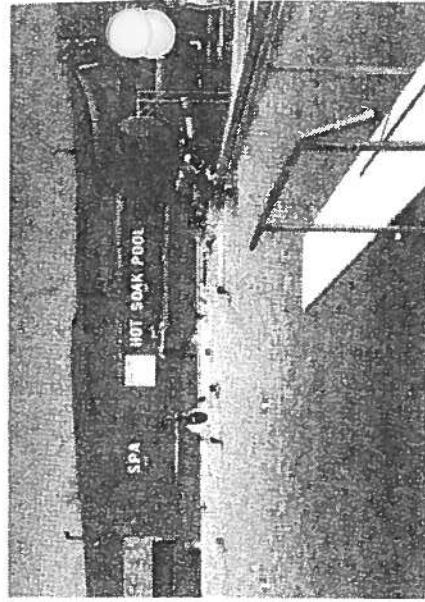
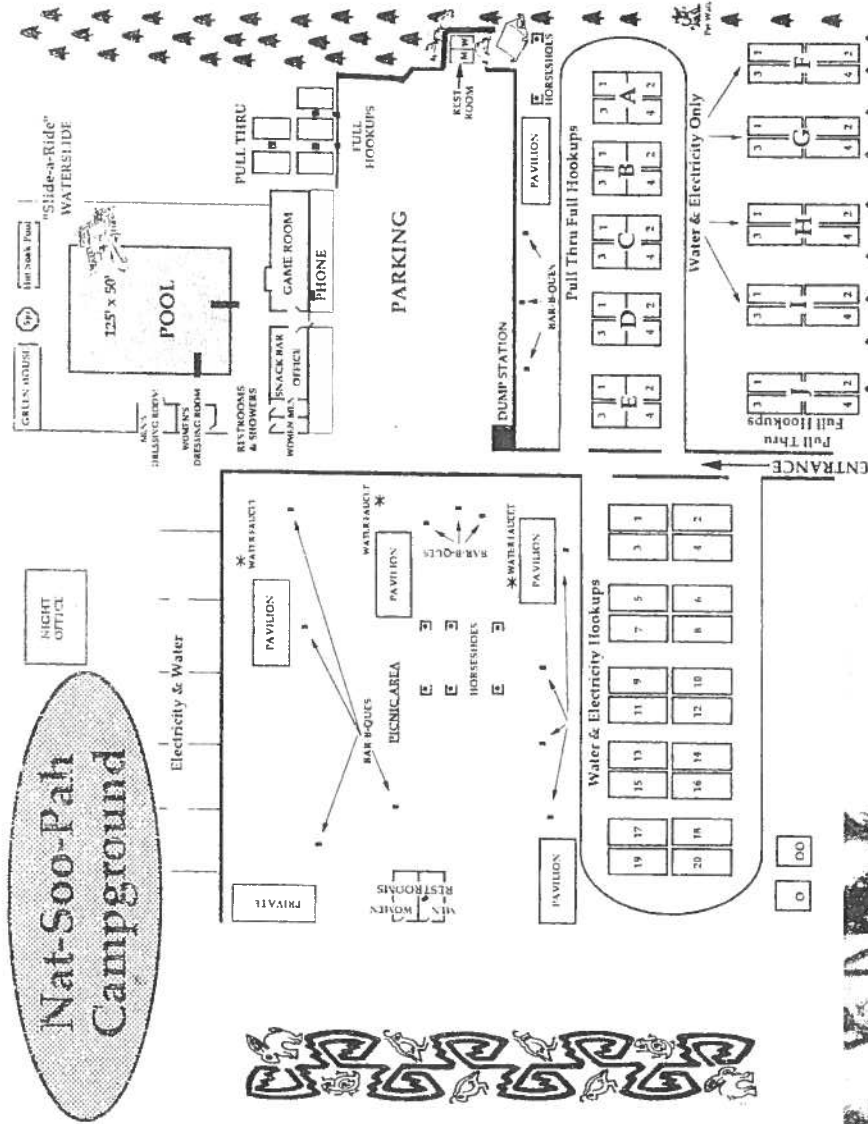
Less than a hundred years ago the Shoshone Indians lived in the nearby foothills and used the spring for baths. Later some of the early settlers built bath houses for men and women and in approximately 1926 the pool was built.

Today there is a large commercial swimming pool 125' x 50' fed by the 99° artesian spring. There is a big slide and two diving boards, one is two meters, and the other one meter. In 1979 a 10-man outdoor spa was installed, that is fed directly from the spring, maintaining a continual 99° temperature.

1983 saw the completion of a beautiful outdoor "Hot Soak Pool" enhanced by an attractive redwood deck. The soak pool maintains a temperature of 104° to 106° and can accommodate 25 people. In 1985 we added a new Slide-a-Ride waterslide, that shoots you into the pool.

There is plenty of room by the pool to just relax and sun bathe. We have a snack bar, arcade room, large shaded picnic grounds with Bar-B-Ques, and a grassy, shaded campground. There are 75 total campsites, 29 OF WHICH ARE FULL HOOKUP. The tent area is grassy and shaded also. We have warm showers and toilets for the campers, also a DUMP STATION. Perfect for FAMILY REUNIONS, Church groups, Boy Scouts, Company Parties and Father and Sons. Covered areas for reunions also available.

Nat-Soo-Pah is one of the cleanest and quietest facilities of its kind anywhere.

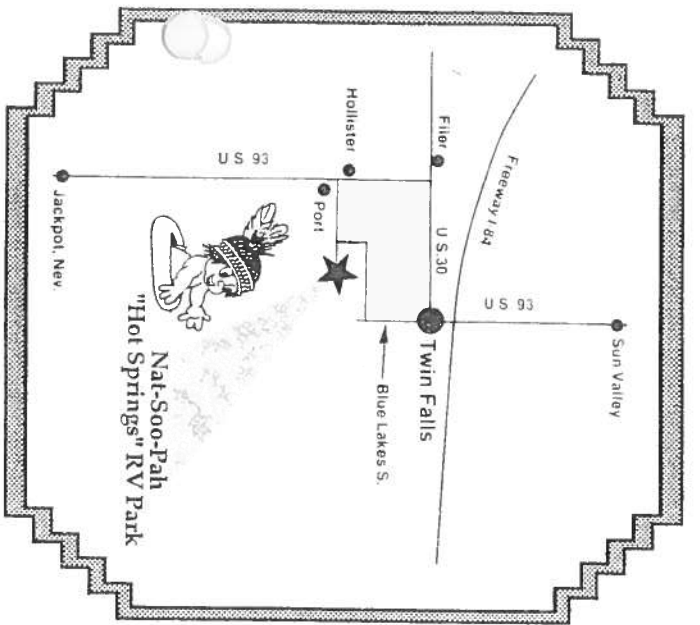


SCANNED
JUN 18 2009

POOL HOURS:

10:00 a.m. - 10:00 p.m. Sat. & Sun.
12 Noon - 10:00 p.m. Weekdays

LIFEGUARD ON DUTY AT ALL TIMES!



stamp

OPEN

May 1 - Labor Day
12 Noon - 10:00 PM Weekdays
10:00 AM - 10:00 PM Sat. & Sun.

*Reservations recommended
for larger groups.*
(208) 655-4337

Rt. 1, 2738 East 2400 North
Twin Falls, ID 83301

Located 16 miles

South of Twin Falls, ID,
on South Blue Lakes Blvd.,
or 3 1/2 miles
East of Hollister, ID.



**NAT-SOO-PAH
HOT SPRINGS & RV PARK**
Rt. 1, 2738 East 2400 North
Twin Falls, Idaho 83301

To: _____

SCANNED

JUN 18 2009



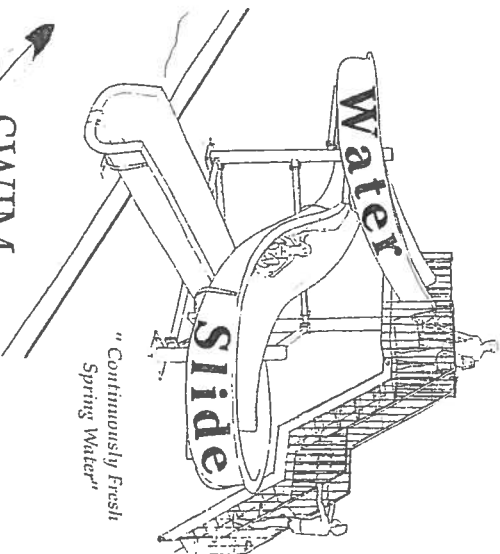
Nat-Soo-Pah INC.

Hot Springs
"Magic Mineral Water"



Your
Hosts
Since 1976

Jerry, Nancy and Tracy Duffy



SWIM

RV PARK

SPA

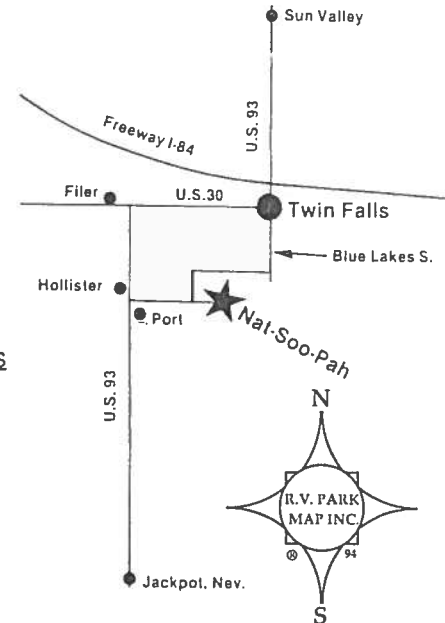
HOT SOAK POOL



NAT-SOO-PAH HOT SPRINGS

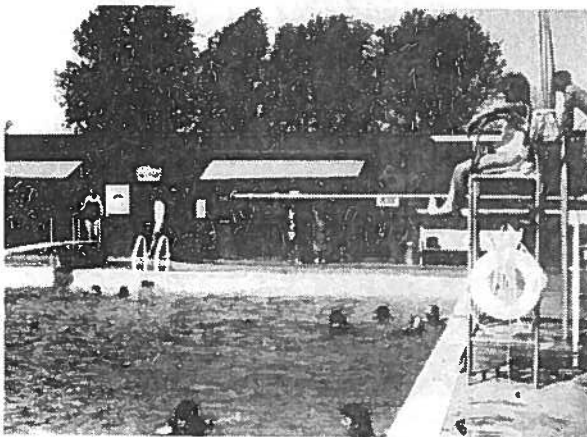
Camping Information

1. **OFFICE HOURS:** 10:00 A.M. - 10:00 P.M. Saturday, Sunday and Holidays 12:00 Noon - 10:00 P.M. Weekdays. After 10:00 P.M. please contact the management, East end of the Park.
2. **CAMPGROUND'S QUIET** at 10:00 P.M. Should you encounter a problem, kindly contact the management.
3. **CHECK-OUT TIME:** 11:00 A.M. (* 4:00 P.M. if you are swimming.)
4. **ICE** may be purchased here at the camp.
5. **PETS** must be leashed at all times, when they are outside your vehicle. **PLEASE USE THE DESIGNATED PET WALK!**
6. **SHOWERS FOR CAMPERS:** Door Open at 10:15 P.M. Door Closes at 9:30 A.M. Weekends and Holidays 11:00 A.M. Weekdays (Mountain time)
7. **USE OF THE SWIMMING POOL**, spa and soak pool is not included in the camping fee, but is a separate fee that is good for all-day enjoyment.
8. **PLEASE** put your receipt in the driver's side on dash.
9. **VISTOR FEE:** \$1.00 per person/per day for non swimmers.
10. **PLEASE USE DUMPSTERS**



NAT-SOO-PAH ...

is an Indian name meaning "Magic Mineral Water."



POOL HOURS:

12 NOON -- 10 P.M. WEEKDAYS
10 A.M. -- 10 P.M. SAT. & SUN.



Less than one hundred years ago the Shoshone Indians lived in the nearby foothills and used the spring for baths. Later some of the early settlers built bath houses for men and women and in approximately 1926 the pool was built.

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**Please Make Reservations
For Large Groups.**

SCANNED

Thank you for visiting Nat-Soo-Pah Hot Springs!
at time while you're here, and please come back soon !

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No. 47-7624

1. Owner: Jerry G. Duffy

Phone No. 655-4337

Current Address: Rt #1, Twin Falls, Idaho

2. Accompanied by: Owner

EXAM. DATE: 8/23/85

Address: _____

Phone No. _____

Relationship to Permit Holder: Same

3. Source: Groundwater

tributary to _____

B. OVERLAP REVIEW

1. Other water rights with same place of use: _____

☐ Copies Attached

2. Other water rights with same point of diversion: _____

☐ Copies Attached

☐ Copies of Field Exam's Attached

C. SYSTEM DESCRIPTION

1. **Diversion System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable. ☐ Alternative diagram attached

**NOT
COMPLETED
SEE SUPPLEMENTAL
REPORT**

Scale: 1" = _____

2. ☐ Copy of U.S.G.S. Quadrangle Attached
Showing location(s) of point(s) of diversion and
place(s) of use (required).

☐ Aerial Photo Attached
(required for irrigation of 10 acres or more).

☐ Photo of Diversion and System Attached
(required for all but single household domestic groundwater, and stockwater).

System Description (continued)

3. **Narrative:** Description (As operating at time of measurement. Indicate pressure, number of sprinklers, etc.)

16" x 398' Well flowing artesian,

☐ See Remarks on page 4 for continuation

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size

*Code to correspond with No. on map and aerial photo

5. **Point(s) of Diversion:**

Ident. No.	Gov't. Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks

6. **Place(s) of Use:**

Indicate Method of Determination

Twp.	Rge.	Sec.	NE 1/4				NW 1/4				SW 1/4				SE 1/4				Totals
			NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	

Do not use this space

D. FLOW MEASUREMENTS

☐ Additional Data Sheets Attached

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

2. Measurements:

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

1. Measured Method:

1.5 ft Cippolletti weir

2. Alternate Method for Checking Purposes:

Pool with volume estimated at 280,000 gal fills in 6 hrs and 10 min

F. PUMP EFFICIENCY DATA (Optional)

Discharge Pressure: _____ psi x 2.31 = _____ ft (1); Dynamic pumping level: _____ ft (2)

Total Head: (1) + (2) = _____ (3) ; Flow rate: _____ cfs (4)

Water HP: (3) x (4) ÷ 8.8 = _____ (5)

Meter Input KW: 3.6 x _____ KH x _____ CTR or _____ MULT x _____ PTR x _____ N/ _____ T = _____ (6)

Meter Input HP: (6) x 1.34 = _____ (7)

Panel Input KW: _____ Ave PF x _____ Ave Volts x _____ Ave Amps x .001732 = _____ (6)

Panel Input HP: (6) x 1.34 = _____ (7) Efficiency: (5)/(7) x 100 = _____ %

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$ _____

$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 =$ _____

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

2. Volume Calculations for Other Uses:

H. REMARKS AND OVERLAP REVIEW ANALYSIS

This pool is approx. 61 years old (About 1926) and was fed by a natural hot spring. In about 1951 a well was drilled to supplement flow according to information given to owner. Drilling tools were stuck in the bottom of hole. Over the years the flow from the well and springs has decreased gradually until it became necessary to drill a new well to maintain the temperature of the pool.

Use at the time of the exam consists of a pool 125' x 50' and depth approx 6' a soaking hot pool 16' x 6' x 40' deep, 8' circular spa approx 42". Water is also used on a 90' water slide. Approx 23 spigots in the campground, picnic area + RVA N of Rd and 45 hookups on south side of Rd.

I. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Totals:				

2. Recommended Amendments

- | | | |
|---|--|--------------------------------|
| ☐ Change P.D. as reflected above | ☐ Add P.D. as reflected above | ☐ None |
| ☐ Change P.U. as reflected above | ☐ Add P.U. as reflected above | ☐ Other |

J. AUTHENTICATION

Field Examiner's Name _____

Signature _____

Certification Date _____

Field Report Preparation Date _____

CONSULTANT SEAL

K. Licensing recommendation shall be prepared by an Idaho Department of Water Resources employee on a computer printout attached hereto.