

[illegible]

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable.

Scott Curtis
726-3203
471-0065

Scale: 1" = _____

☒ Copy of USGS Quadrangle Attached Showing location(s) of point(s) of diversion and place(s) of use (required).

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

☒ Photo of Diversion and System Attached

4.

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

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

D. FLOW MEASUREMENTS

1.

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

2. Measurements: FLUME, LEVELED, w/ CONSTANT FLOW 21.0 CM = 1.32 cfs

T41 RISE

3.2

8 9
17 16

9 10
16 15

0.5 ac

0.5 ac

3.5 ac

HOUSE

3.2

1.7 ac

0.6 ac

2.3 ac

POND #1

POND #2

0.1 ac

TENNIS COURT

17 16
20 21

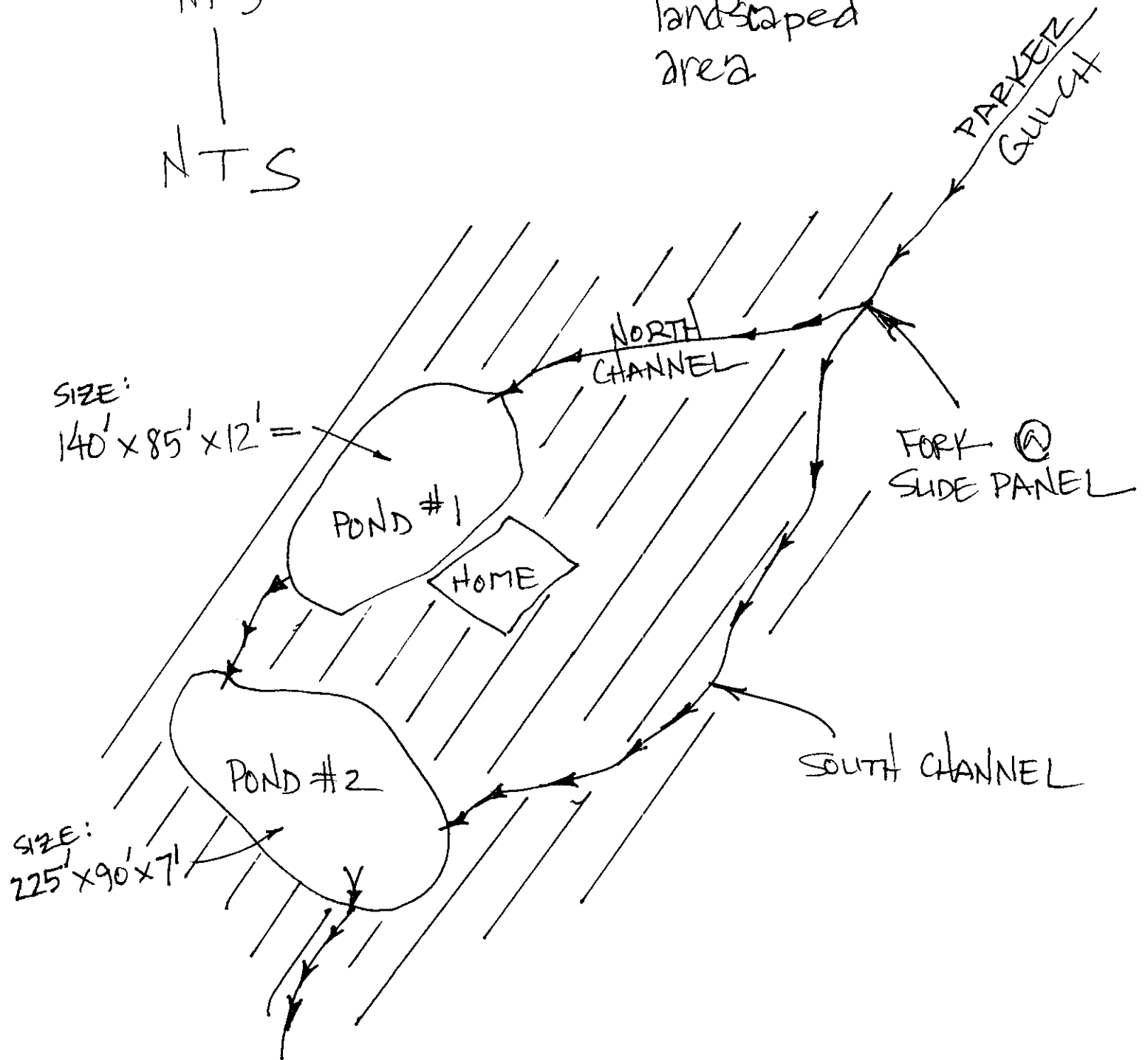
16 15
21 22

1984 FLIGHT
1" = 1000'

CURTIS, CARL
37-07707

NTS
NTS

 irrigated
landscaped
area



CURTIS, CARL

37-07707



the place where measurement was taken
with portable flume

Parker Gulch looking downstream
towards fork in the creek (at the
slide panel)*



Photo was taken after measurement



South Channel meanders
in a south west
direction

THIS IS THE OLD DIVERSION SYSTEM (ROTTED AWAY BY
LIMESTONE PER SCOTT CURTIS)



Slide panel at fork

PHOTO LOOKING SW'LY ±

NORTH CHANNEL OF PARKER GULCH DUMPS IN HERE

2/5



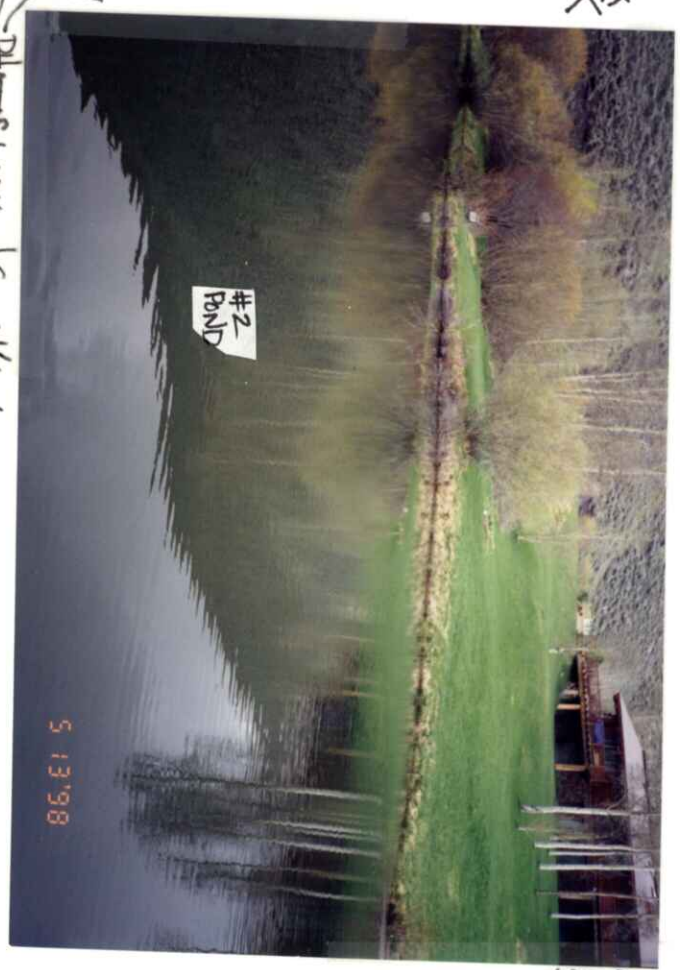
PHOTO LOOKING SE'LY

PUMP IN POND #1



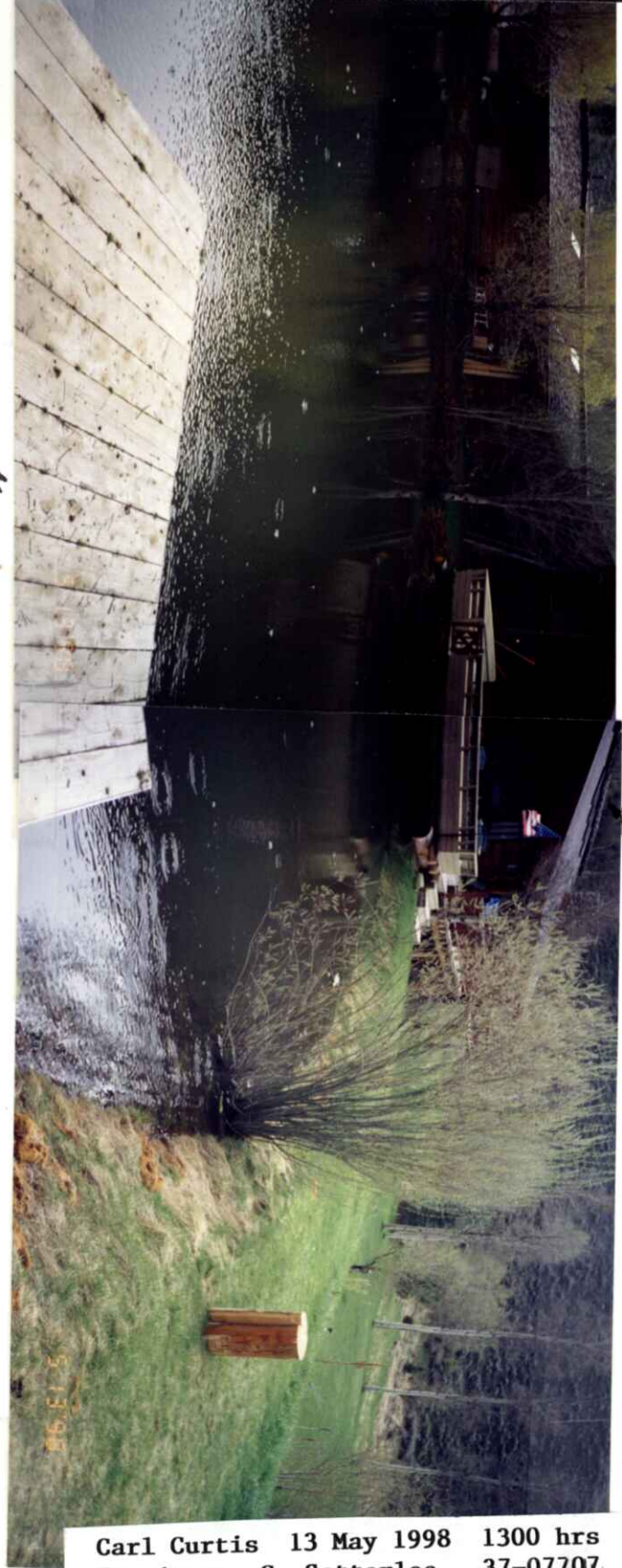
N-CHANNEL

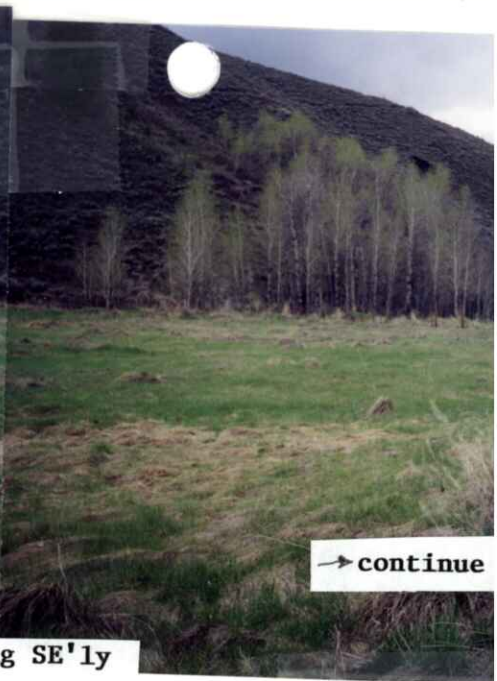
PHOTOS LOOKING N'LY



CURTIS HOME

CURTIS HOME





→ continue

Photo looking SE'ly



← continue from first photo



5-13-98

Photo looking SW'ly



3/6

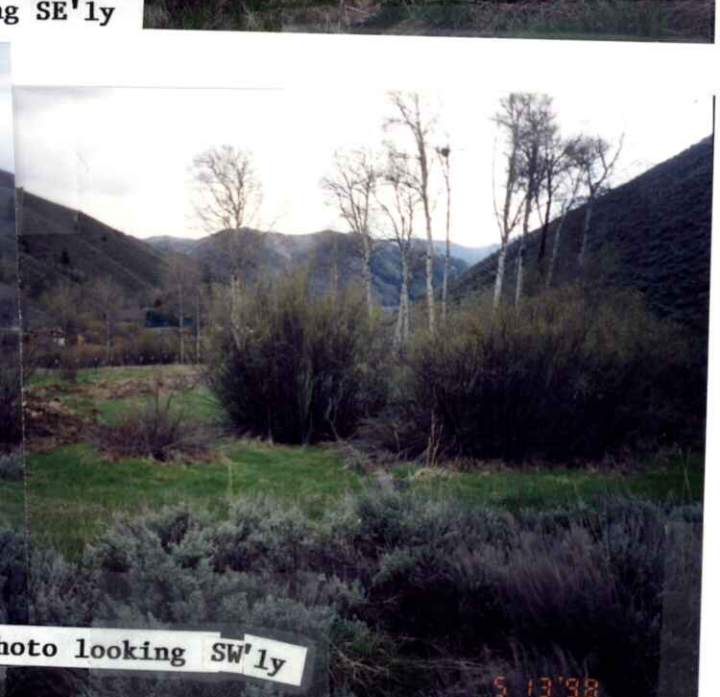


→ continue on next photo

5-13-98

5-13-98

Photo looking SE'ly

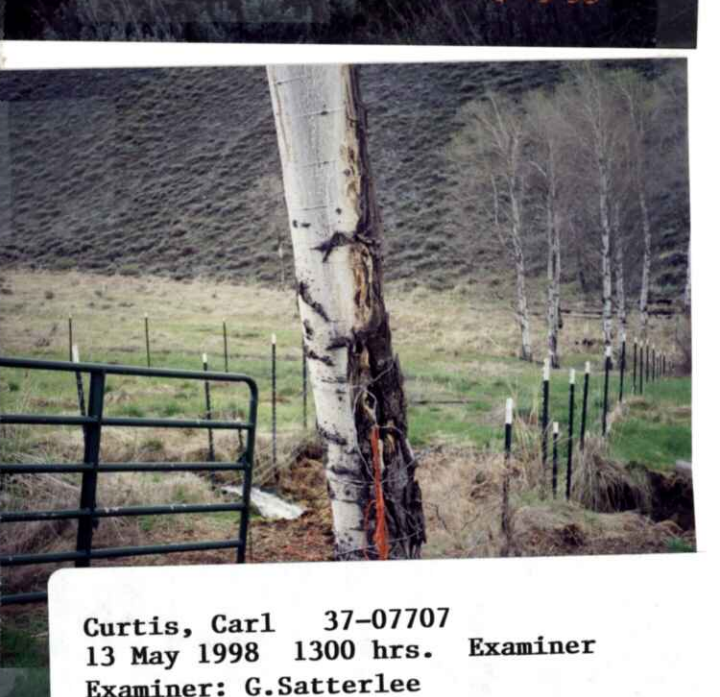
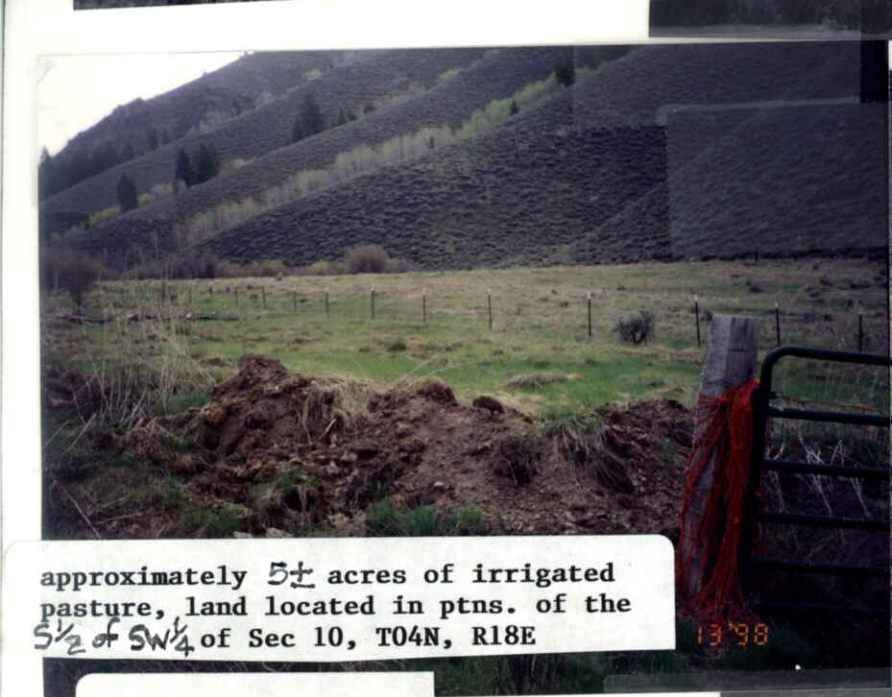


5-13-98

5-13-98

Photo looking SW'ly

5-13-98



approximately 5± acres of irrigated
pasture, land located in ptns. of the
S½ of SW¼ of Sec 10, T04N, R18E

13-98

Curtis, Carl 37-07707
13 May 1998 1300 hrs. Examiner
Examiner: G.Satterlee
37-07707

Photo looking SE'ly

3/6



→ continue on next photo

pasture area south west of the
Curtis property, i.e. on the sw side
of the most south westerly pond.
Land is located in ptns. of the NWNW $\frac{1}{4}$
of Sec 15, and ptn. of E $\frac{1}{2}$ NE $\frac{1}{4}$ of Sec 16,
both in T04N, R18E

SECTIONS

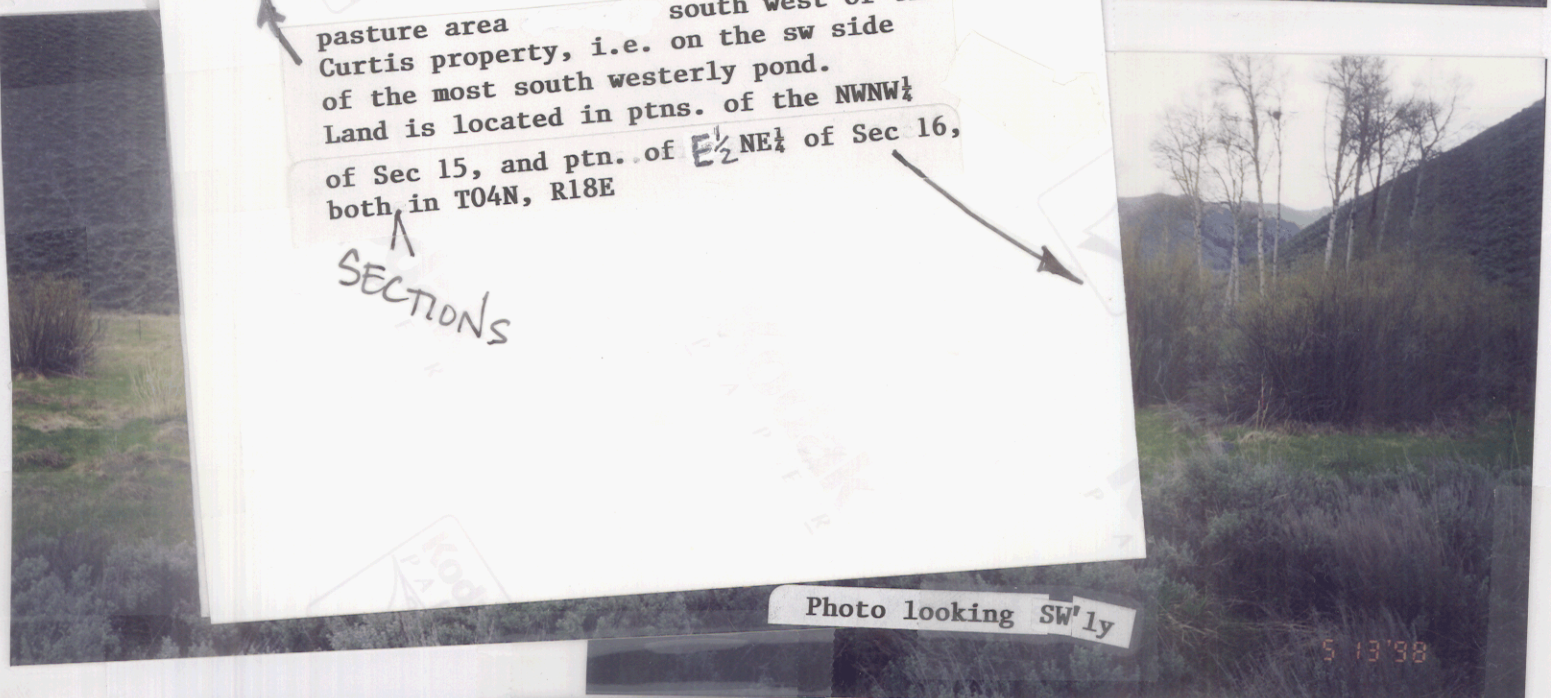


Photo looking SW'ly



approximately 5 $\pm$ acres of irrigated
pasture, land located in ptns. of the
SW $\frac{1}{4}$ of Sec 10, T04N, R18E

Curtis, Carl 37-07707
13 May 1998 1300 hrs. Examiner
Examiner: G.Satterlee
37-07707

Photo looking SE'ly

37-07707

CARL CURTIS



LARGE POND BELOW THE HOUSE WHERE FISH ARE KEPT.

PHOTO LOOKING NE'LY

PHOTOS TAKEN 1985-1986 ?

CURTIS HOME



HOUSE WITH SHRUBS AND FLOWERS

LOOKING SE'LY

TAKEN FROM PARKER GULCH RD

4/6

HEADGATE FROM PARKER GULCH
TO DITCH THAT CARRIES THE
WATER ~~TO THE POWER PLANT~~
~~AND~~ TO THE PONDS.

N/A
5/1998



LOOKING NW'LY

SUDE PANEL



LOOKING NE'LY OR UPSTREAM

PHOTOS TAKEN 1985-1986?

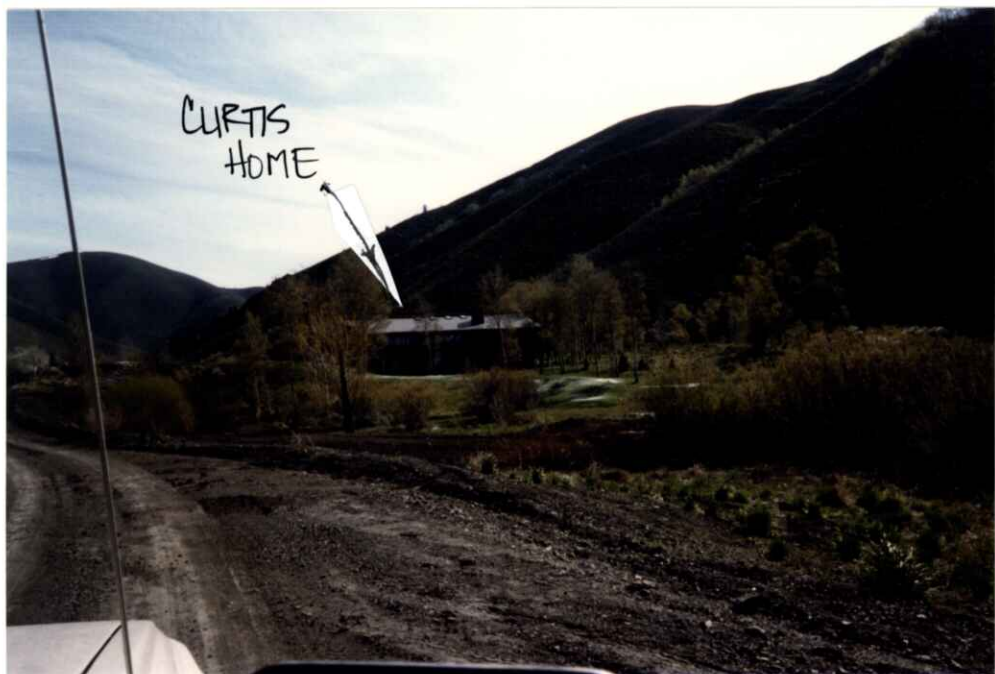
DITCH FROM PARKER GULCH
WHICH SUPPLIES THE WATER
FOR THE POWER PLANT AND
THE WATER TO THE PONDS.

→ INLET TO POWER PLANT.

AS OF 5/1998,
NOT EXISTANT



LOOKING SW'LY



LOOKING NE'LY

PHOTOS 1985--1986?

E. NARRATIVE/REMARKS/COMMENTS

E. NARRATIVE/REMARKS/COMMENTS

FROM: Georgia Satterlee
DATE: 17 June 1998
RE: 37-07707

On 13 May 1998 at 1330 hrs., I met with Scott Curtis, son to Carl Curtis, to conclude the field examination on the above permit. I determined the flow rate and verified the uses that the previous examiner neglected to conduct the first time.

The source is Parker Gulch. Upstream from the two ponds approximately 1500 feet is a fork where the creek splits into a north channel and south channel. The north channel eventually dumps into the first of the two on-stream ponds. From the first pond, the water feeds into the second pond on the northerly side. Meanwhile, the south channel meanders along the south east edge of the Curtis property and dumps into the second pond on the south east side of the pond. The second pond discharges into the creek bed. Please see schematic of the ponds included in the file.

About 150 feet upstream from the fork is where the portable flume was placed for measurement. The rate measured was 21.0 cm = 1.32 cubic feet per second.

Scott Curtis said they did install a weir and a measuring device, as requested by the department. Please see photo page 1/6, photo on top left of page. As the photo shows, what is left of the weir is no longer able to measure. According to Scott Curtis, "...the weir was existing, but the department took too long in coming out to see the weir, and the limestone rotted it away...". Scott Curtis was present when the last examiner was there and he referred to the inability of IDWR to conclude this examination.

The beneficial uses include irrigation storage, irrigation from storage, recreation storage, diversion to storage, and aesthetic. No beneficial use for power.

The surface size of the ponds is 0.8 acre and the volume is 6.52 acre feet. The pump size (in pond #1) has not changed, for this information, please see beneficial use field report from 1985-1986.

Scott Curtis says they irrigate the pasture area with handlines and sprinklers (approximately 10 birds per handline @ 35 psi is run at one time). At the time of the examination, all of the sprinklers/handlines were in storage. The landscaped yard is irrigated by a timers. There are 15 stations, 6 rainbirds per station, one rainbird=1/2" riser mounted impact head, flow is 1.5 gpm.

Although I could not find the same amount of irrigated acres as permitted, I documented what I thought was appropriate. I suggested to Scott Curtis that they may provide other documentation to prove the additional acres (directed mostly at the SE $\frac{1}{4}$ of Section 16). He repeated the statement about the department are the ones to be confronted, i.e. incompetency and procrastination.

Have conditions of permit approval been met? ☒ yes ☐ no

F. FLOW CALCULATIONS

☒ Additional Computation Sheets Attached

Measured Method:

EXAM FEE LIMIT ?
 PERMIT 1.30
 MEASURED 1.32
 RECOMMEND 1.30

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 12.4(3.5) = 43.4$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = (0.25) 184(1.9835) = 91.2$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 43.4 \checkmark_{I.R.}$$

2. Volume Calculations for Other Uses:

POND #1 = 140' x 85' x 12' deep = 3.27 ac. (0.3 ac surface)
 #2 = 225' x 90' x 7' " = 3.25 " (0.5 " " ")
PONDS 6.52 ft³ 0.8 ac Surface Only

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use	Rate of Diversion	Annual Volume
IRRIGATION ^{FROM} STORAGE	From 4/15 To 10/15	Q (cfs) 0.25	V (afa) 43.4
IRRIGATION STORAGE	1/1 12/31		6.52
RECREATION " "	1/1 12/31		" "
AESTHETIC	1/1 12/31		" "
DIVERSION TO STORAGE	1/1 12/31	1.30	" "
	Totals:	1.30	49.92

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

I. AUTHENTICATION

Field Examiner's Name

Georgia Satterlee Date 17 June 98

Reviewer

Date

SEAL

RECEIVED

APR 7 1989

37-7707

~~Department of Water Resources~~

Phone No. 1-726-3102

1. Owner: CARL Curtis Phone No. 1-726-3102
Current Address: Bx 1073 Ketchum, Ida
2. Accompanied by: Scott Curtis EXAM. DATE: 4-1-86
Address: _____ Phone No. 7-10-85
Relationship to Permit Holder: son
3. Source: Parker Gulch Cr. tributary to Big Wood River

Well/Diversion* No.	Motor Make	HP	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
		1	M-39028161		

*Code with points of diversion, system diagram & photos on reverse side. Disregard if only one.

5. System Description (As operating at time of measurement. Indicate pressure, number of sprinklers, etc.)
water is diverted from the Cr. to a large pond next to the House.
a small pump is then used to pump the water into the Sprinkler
lines to Irr. the property. The water leaves the pond at the
house and spills into another pond below the house. There
is large Rainbow Trout in these Ponds. (See Item 14)

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

7. Measurements ☐ Additional data/computation sheets attached

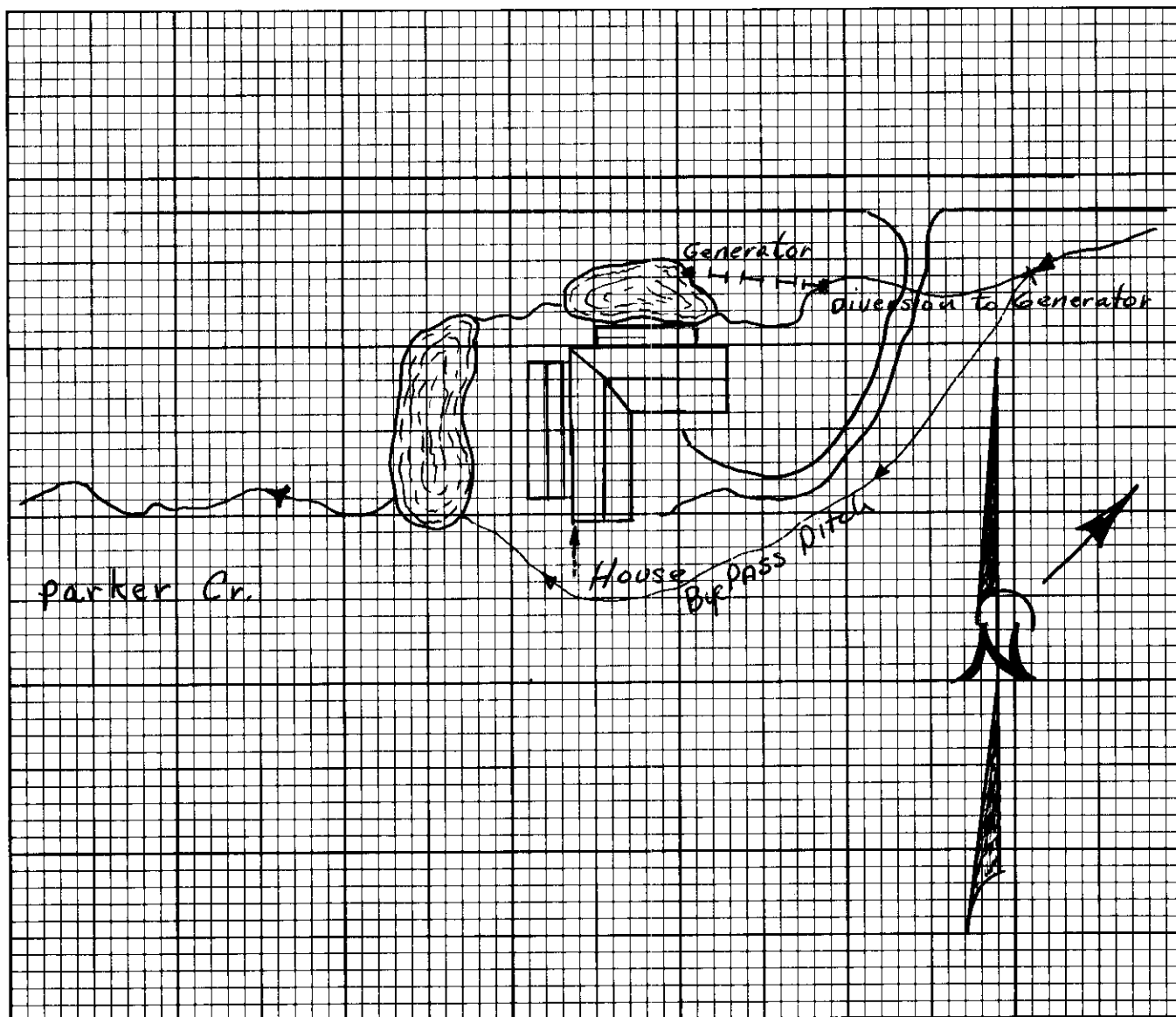
1hp. motor pump M-390-28161, was used to demonstrate the power generation capabilities.

- | 8. Point(s) of Diversion: | Indicate Method of Determination |
|---------------------------|----------------------------------|
|---------------------------|----------------------------------|

[illegible]

- | Place(s) of Use: | | Indicate Method of Determination <u>Property Survey</u> | | | | | | | | | | | | | | | | | | |
|----------------------|------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|
| 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 | | |
| 1N | 18E | 10 | | | | | | | | | | | | | RPS | R | | | | |
| | | 15 | | | | | | | | | | | | | | | | | | |
| | | 10 | | | | | | | | | | | | | 3 | 3 | | | | 6 |
| | | 15 | | | | | | | | | 3 | | | | | | | | | 3 |
| | | 15 | | | | | | | | | R | | | | | 4 | | | | |
| Total Acres <u>9</u> | | | | | | | | | | | | | | | | | | | | |

10. Other water rights on these lands _____
11. Other water right diverted from same p.d. _____
12. **Diversion and Delivery System Diagram:** Indicate all major components and distances between components. Indicate ditch size/pipe i.d. as applicable. Indicate on systems with measurement port the distance between the port and the nearest component/pipe bend/restriction both upstream and downstream, and the inside pipe diameter at the measurement port. On multiple diversion systems indicate how diversion systems are connected.



13. ☐ Photo of Diversion & System Attached

☐ Aerial Photo of Place of Use Attached or Map of Irrigated Acreage Attached

14. Remarks The water used on this place is mostly used for
aesthetics. Shrubs, flower beds & lawn. A small generator
was set-up to demonstrate the power use. 4" DIA pipe is
used to divert the water to the power plant.

15. 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

16. Examiner's/Consultant's Signature Larry Jundenburg Date 12/22/86

Consultant's License Number _____

IDWR Director's Authorization to Conduct

Beneficial Use Examination _____

Date

CONSULTANT SEAL

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
LICENSING REPORT

37-7707
Permit No.

1. **Measurement Calculations**

a) Field Measurement Calculations (Include theoretical capacities and system capacity)

b) Volume Calculations for Irrigation:

$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = (9)(3) = 27 \text{ ACFt/ANN.}$
 $V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 =$
 $V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} =$

c) Volume Calculations for Other Uses:

2. **Overlap Review**

a) Other water rights with same place of use: _____

b) Other water rights with same point of diversion: _____

c) Analysis:

RECOMMENDED AMOUNTS

3.

Permit No.	Priority	Amount	App. Date	Date Proof Submitted	System Capacity
37-7707					

4.

Permit Holder: CARL CURTIS

Address: Bx 1073, Ketchum, Ida 83340

5.

Source: Parker Gulch G. tributary to Big Wood River

6.

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
<u>Irrigation (storage)</u>	<u>Jan 1</u>	<u>Dec. 31</u>		
<u>Aesthetic</u>	<u>Jan 1</u>	<u>Dec. 31</u>		
<u>Recreation (storage)</u>	<u>Jan 1</u>	<u>Dec. 31</u>		
<u>Power</u>	<u>Jan 1</u>	<u>Dec. 31</u>		
<u>Irrigation from Storage</u>	<u>April 1</u>	<u>Nov. 1</u>		
	Allowable Maximums:			

7.

Point(s) of Diversion:

No.	Govt. Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County

8.

Place(s) of Use

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	
Total Acres _____																			

9.

Recommended Conditions/Remarks: Recreation = Fishing, Small Boat, Swimming

10.

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 _____

11.

Examiner's Signature Gary Funderburg

Checked in Regional Office by _____

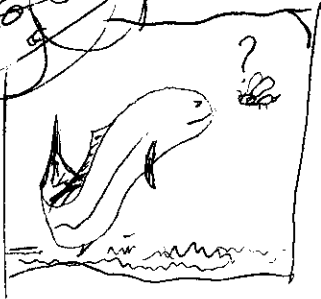
Approved in State Office by _____

Date 12-24-86

Date _____

Date _____

\$120.00



motor & pump information

1/2 hp.

17.25 RPM

60 cycle

115 - 230

3.5 Amps

10' Fall
17'

