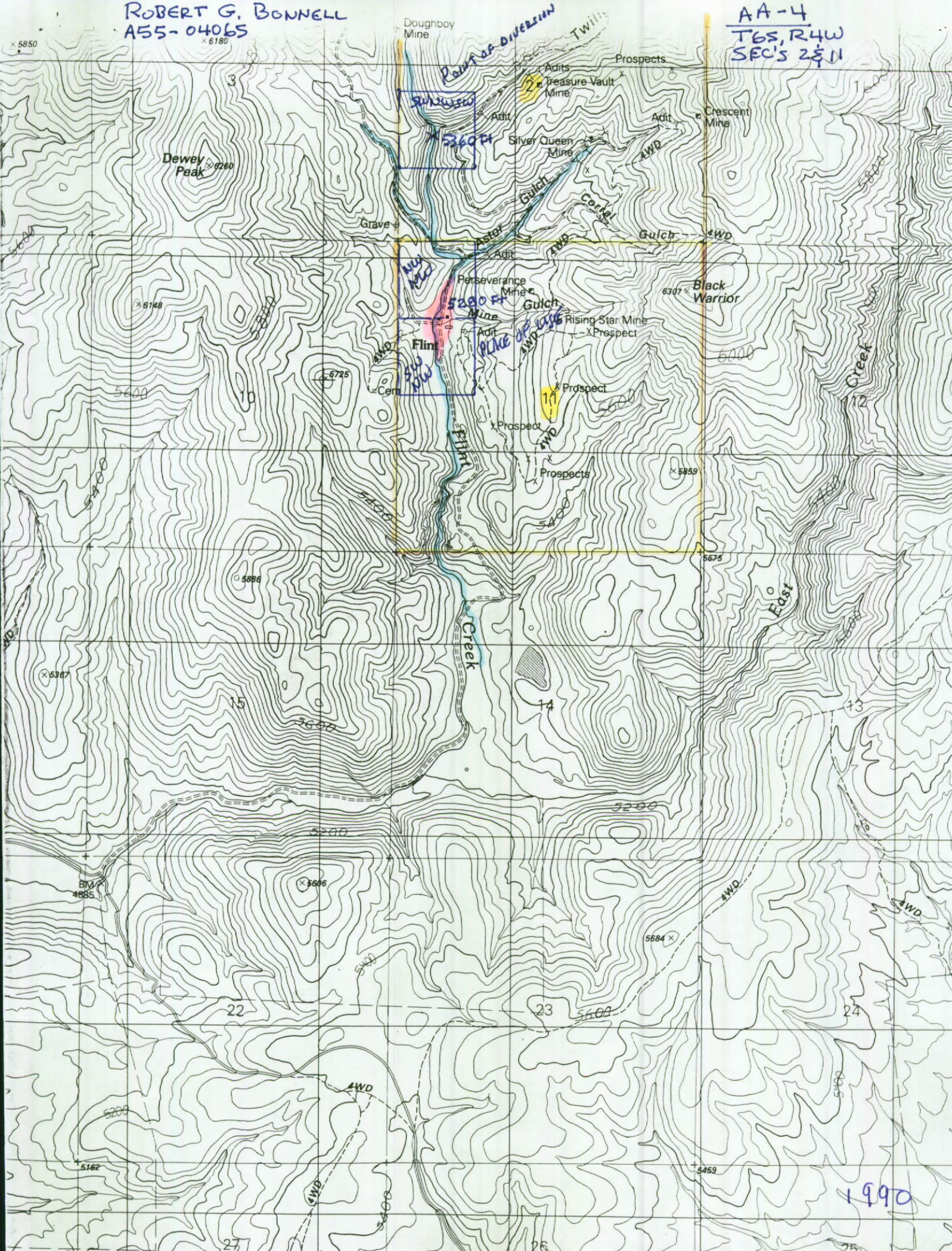
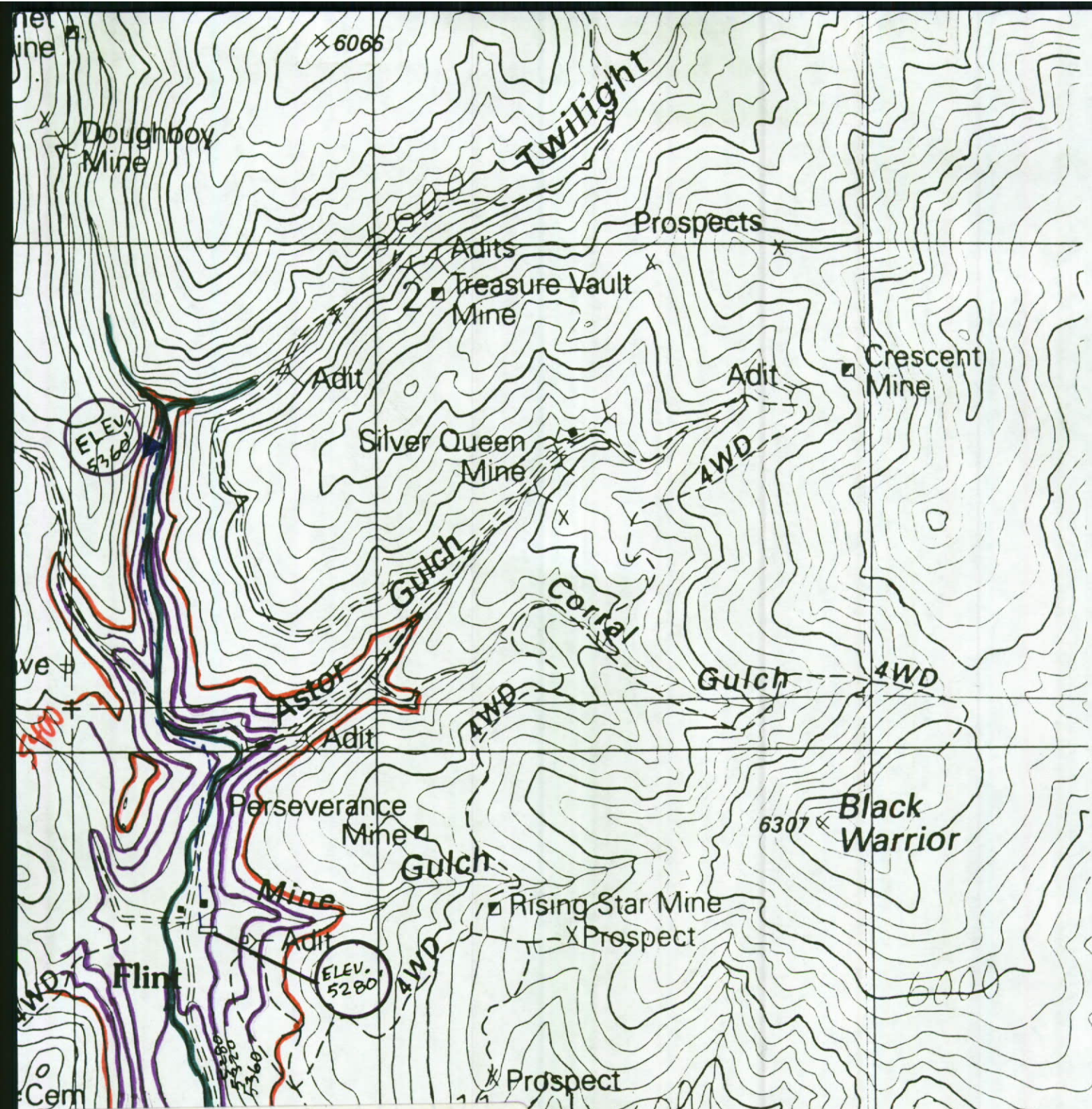


ROBERT G BONNELL
A55-04065

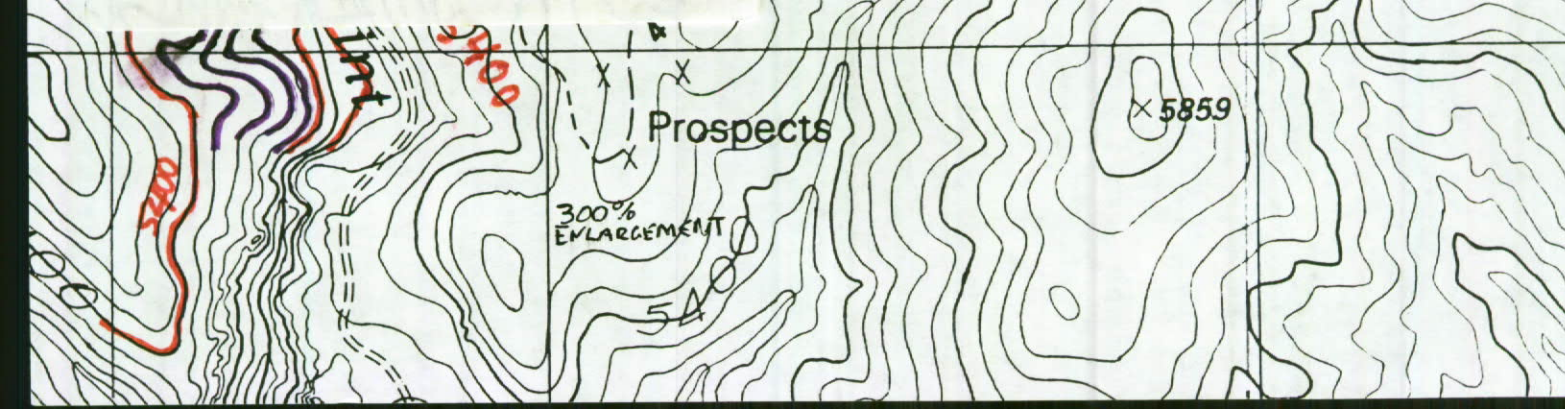
AA-4
T6S, R4W
SEC'S 2&11



1990



ROBERT G. BONNELL A55-04065
MAP AA-4
T6S, R4W, Sec's 2 & 11



A55-04065

PHOTO # 1

P/D, SHOWS 4 INCH
PIPE IN FLINT CR.
UPSTREAM PHOTO.



PHOTO # 2

AT P/D LOOKING DOWNSTREAM.



Photo's By
RDH JUN 19 196

A55-04065

PHOTO #3 SHOWS PIPELINE ALONG PATH UP TO P/D



PHOTO #4 SHOWS POW FOR MINING, PROCESSING ETC.



Photo's By
RDH

JUN 18 1992

IN THE DISTRICT COURT OF THE FIFTH JUDICIAL DISTRICT OF THE STATE OF IDAHO,
IN AND FOR THE COUNTY OF TWIN FALLS

IN RE THE GENERAL ADJUDICATION
OF RIGHTS TO THE USE OF WATER FROM
THE SNAKE RIVER BASIN WATER SYSTEM.

CIVIL CASE NUMBER: 39576

Ident. Number: A55-04065
Date Received: 1/10/1989
Receipt No: W001910
Received By: _____

**NOTICE OF CLAIM TO A WATER RIGHT
ACQUIRED UNDER STATE LAW**

1. Name: ROBERT G BONNELL 208-459-4781
Address: 21417 LONKEY LN
CALDWELL ID 83605

2. Date of Priority: FEB 22, 1898

3. Source: FLINT CREEK Trib. to: JORDAN CREEK

4. Point of Diversion:

Township	Range	Section	1/4 of	1/4 of	1/4	Lot	County
06S	04W	2		NW	SW		OWYHEE

5. Description of diverting works:
DIVERSION DITCH W/PIPE TO PU.

6. Water is used for the following purposes:

Purpose	From	To	C.F.S.	(or)	A.F.A.
MINING	01/01	12/31	1.500		

7. Total Quantity Appropriated is:
1.500 C.F.S. (and/or) A.F.A.

8. Total consumptive use is Acre Feet Per Annum.

9. Non-irrigation uses:
X/FLINT SILVER MINE.

10. Place of Use:

Township	Range	Section	1/4 of	1/4	Lot	Use	Acres
06S	04W	11	NE	NW		MINING	
			NW	NW		MINING	
			SW	NW		MINING	
			SE	NW		MINING	

MICROFILMED

SEP 29 1992

11. Place of use in counties: OWYHEE

12. Do you own the property listed above as place of use? YES

13. Other Water Rights Used:
NONE

14. Remarks:

WE INCORRECTLY LISTED HIS ADDRESS AS 21395 LONKEY LN, CORRECTED
IT TO 21417 LONKEY LN, PER CONVERSATION WITH MR BONNEL, BY RDH
6/1/92.

15. Basis of Claim: STATUTORY CLAIM

16. Signature(s)

(a.) By signing below, I/We acknowledge that I/We have received, read and
understand the form entitled "How you will receive notice in the Snake River
Basin Adjudication." (b.) I/We do _____ do not _____ wish to receive and pay
a small annual fee for monthly copies of the docket sheet.

Number of attachments: _____

For Individuals:

I/We do solemnly swear or affirm that the statements contained in the
foregoing document are true and correct.

Signature of Claimant(s): _____ Date: _____

_____ Date: _____

State of Idaho)
County of _____) SS.

Subscribed and sworn (or affirmed) before me this _____ day
of _____ 19 _____

Notary Public

Seal

Residing at _____

My Commission Expires _____

MICROFILMED

SEP 29 1992

IN THE DISTRICT COURT OF THE FIFTH JUDICIAL DISTRICT OF THE STATE OF IDAHO,
IN AND FOR THE COUNTY OF TWIN FALLS

IN RE THE GENERAL ADJUDICATION
OF RIGHTS TO THE USE OF WATER FROM
THE SNAKE RIVER BASIN WATER SYSTEM.

CIVIL CASE NUMBER: 39576

Ident. Number: A55-04065
Date Received: 1/10/1989
Receipt No: W001910
Received By: RW

NOTICE OF CLAIM TO A WATER RIGHT
ACQUIRED UNDER STATE LAW

1. Name: ROBERT G. BONNELL 208-459-4781
Address: 21395 LONKEY LN.
CALDWELL, ID 83605

2. Date of Priority: FEB 22, 1898

3. Source: FLINT CREEK Trib. to: JORDAN CREEK

4. Point of Diversion:

Township	Range	Section	1/4 of	1/4 of	1/4	Lot	County
06S	04W	2		NW	SW		OWYHEE

5. Description of diverting works:
DIVERSION DITCH W/PIPE TO PU.

6. Water is used for the following purposes:

Purpose	From	To	C.F.S	(or)	A.F.A.
MINING	01/01	12/31	1.500		

7. Total Quantity Appropriated is:
1.500 C.F.S. (and/or) A.F.A.

8. Total consumptive use is Acre Feet Per Annum.

9. Non-irrigation uses:
X/FLINT SILVER MINE.

10. Place of Use:

Township	Range	Section	1/4 of	1/4	Lot	Use	Acres
06S	04W	11	NE	NW		MINING	
			NW	NW		MINING	
			SW	NW		MINING	

A55-04065

Page 1

Date: 01/10/89

MICROFILMED

SEP 29 1992

10. Place of Use: Continued

Township	Range	Section	1/4 of	1/4	Lot	Use	Acres
06S	04W	11	SE	NW		MINING	

11. Place of use in counties: OWYHEE

12. Do you own the property listed above as place of use? YES

13. Other Water Rights Used:
NONE

14. Remarks:

15. Basis of Claim: STATUTORY CLAIM

16. Signature(s)

(a.) By signing below, I/We acknowledge that I/We have received, read and understand the form entitled "How you will receive notice in the Snake River Basin Adjudication." (b.) I/We do _____ do not X wish to receive and pay a small annual fee for monthly copies of the docket sheet.

Number of attachments: _____

For Individuals:

I/We do solemnly swear or affirm that the statements contained in the foregoing document are true and correct.

Signature of Claimant(s): Robert G. Brunell Date: 1-10-89

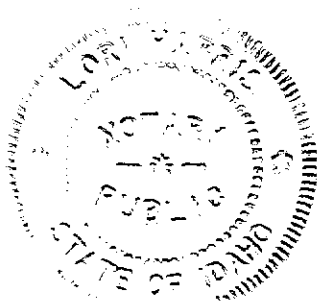
Date: _____

State of Idaho)
County of Ada) SS.

Subscribed and sworn (or affirmed) before me this 10th day
of January 19 89 Lori Harris
Notary Public

Seal

Residing at Boise, Idaho
My Commission Expires 12-8-94



Water Right Number - 55-04065 Prefix Translation: WATER RIGHT Old (D) Number - + - - - - - Last Name - - - - - + - - - - - First Name - - - - - + - - - - - Address - - - - - + - - - - -

*** C - CURRENT OWNER *** BONNELL ROBERT G. 1 - RT. 2, BOX 719 2 - 3 - City- CALDWELL State- ID Zip- 83605 Phone -

+ - - Priority Date - - + + - - - Region - - - + + - - - Stage - - - + + - - - Status - - - + 02/22/1898 14 WESTERN S - STATUTORY CLAIM

+ - - - - Source - - - - - + + - - - - - Tributary - - - - - + FLINT CREEK JORDAN CREEK

+ - - - - - - - - - - - - - - - Point of Diversion - - - - - Stream Index (Blank if no Index Code) - - - - - TwN Rng Sec Tract Lot Rflg County

06S 04W 2 NW SW (73) OWYHEE

+ - - - - Description - - - - - Water Use - - - - - Diversion Rate - - - - - Diversion Volume - - - - - Code Period From Period To

13 - MINING 01/01 12/31 1.500

+ - Total Div. Rate - + - Total Div. Volume - + - Total Div. Capacity - + - Total Consumptive Use - + - KW Usage - + 1.500

+ - - - - - - - - - - - - - - - Place of Use - - - - - Description - - - - - County - - - - - TwN Rng Sec Tract Lot Acres Code

06S 04W 11 NE NW 13 MINING (73) OWYHEE 06S 04W 11 NW NW 13 MINING (73) OWYHEE 06S 04W 11 SW NW 13 MINING (73) OWYHEE 06S 04W 11 SE NW 13 MINING (73) OWYHEE

+ - - Diversion Means - PIPELINE

+ - - Non-Irrigation Use - X/FLINT SILVER MINE.

+ - - Other Rights for Same Use -

+ - - - - - - - - - - - - - - - Remarks - - - - - + - - - - - No Remarks found.

+ - - - - - - - - - - - - - - - Old Water Right Numbers - - - - - + - - - - - No Old Water Right Numbers found.

+ - - - - - - - - - - - - - - - Conditions of Approval - - - - - + - - - - - No Conditions of Approval found.

+ - - - - Decree Plaintiff - - - - + + - - - Decree Defendant - - - - + - - - - Decree Date - - + 00/00/0000

WATER RIGHT

[illegible]

+ - - Audit Fields - 01/17/86 04/30/88 CONVERT

```

+-----+-----+-----+-----+-----+-----+-----+-----+
|Water Rights Dates and Flags Area|Water Rights Dates and Flags Area|Water Rights Dates and Flags Area| | | | | |
|---|---|---|---|---|---|---|---|
|-----|-----|-----|-----|-----|-----|-----|-----|

```

| | | | | | | | |
|------------------|---|------------|-------------------|---|------------|------------------|-----|
| Proof Due Date | - | 00/00/0000 | Field Exam Made | - | 00/00/0000 | Field Exam Fee | - |
| Approved/Denied | - | 00/00/0000 | Protested Date | - | 00/00/0000 | Swan Falls | - |
| Proof Made Date | - | 00/00/0000 | Hearing Date | - | 00/00/0000 | Temporary Right | - P |
| Start Work Date | - | 00/00/0000 | Verified Date | - | 01/17/1986 | DLE/Carey Act | - |
| Order Show Cause | - | 00/00/0000 | Receipt Number | - | | Water District | - |
| Licensed Date | - | 00/00/0000 | Appl Received | - | 00/00/0000 | Transfer/Amended | - |
| Decree Date | - | 00/00/0000 | Microfilm Roll No | - | | Presumption Flag | - |

March 6, 1998

**NOTICE OF ERROR
REPLY**

Please type or print clearly, fill out this form completely and mail.

Return this reply form to IDWR by the deadline date printed below if you want IDWR to change your recommendation or you want to let IDWR know that you agree with its recommendation.

YOUR DEADLINE FOR RETURNING A

NOTICE OF ERROR REPLY IS: March 30, 1998

Water right number: 55-04065

ROBERT G BONNELL
21417 LONKEY LN
CALDWELL ID 83605

Daytime Telephone Number:

Evening Telephone Number:

1. Describe the portion of the proposed recommendation with which you disagree (e.g. priority date, period of use, source):

2. Describe the changes you wish to make in the proposed recommendation:

3. Give a brief explanation as to why you disagree with these portions:

☒ **I AGREE with this proposed recommendation; no changes need to be made.**

DATE: 4-15-98

SIGNATURE: Robert G. Bonnell
Please print your name: Robert G. Bonnell

ADJUDICATION CLAIM CHECKLIST

NOTICE OF CLAIM NO.

A55-04065

| WR ELEMENT | FIELD EXAM
Y/N-IF NO,
DO OFFICE
VERIFICATION | FIELD EXAM
OR IN-OFFICE
VERIFICATION
WHOM/DATE | CLAIM
VERIFIED BY
CODE
(SEE BELOW) | CHANGE
CLAIM
Y/N | CLAIMANT CONTACT
NEEDED - Y/N** | REVIEW
COMPLETED
WHOM/DATE | "R" RECORD |
|-----------------------|---|---|---|------------------------|------------------------------------|----------------------------------|------------|
| PRIORITY* | Y | Qdh 6-18-92 | 6 | N | N | | |
| PT. OF DIV. | | | 1,5 | Y | | | |
| SOURCE | | | 1,5,6 | N | | | |
| PL. OF USE | | | 1,5 | Y | | | |
| DIV. AMOUNT
CFS/AF | | | 5 | Y | | | |
| CONSUMPTIVE
USE | | | NA | NA | | | |
| NATURE OF
USE | | | 6 | N | | | |
| PERIOD OF
USE | | | 6 | N | | | |
| BASIS OF
CLAIM | | | 6 | J | | | |
| REMARKS | | | 5 | 5 | | | |

DATA ENTRY COMPLETED
BY DATE

FINAL RECOMMENDATION

BY DATE

VERIFICATION CODES

TOPO MAP/ORTHO PHOTO = 1
ASCS MAP = 2
WATERMASTER RECORDS = 3
NAPP PHOTOS = 4
FIELD EXAM = 5
OTHER(SEE COMMENTS) = 6

*IF REQUIRED HAS EVIDENCE OF PRIORITY BEEN
SUBMITTED - YES NO

**IF CLAIMANT CONTACT IS NEEDED, COMPLETE
CLAIMANT CONTACT CHECKLIST AND ATTACH.

COMMENTS: SAME AS CLAIM

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
ADJUDICATION CLAIM VERIFICATION REPORT

14:52:20
01/05/93

PAGE: 1
GENERAL INFORMATION

CLAIM NUMBER: A55-04065

LAST: BONNELL
ADDRESS: 21417 LONKEY LN
CITY: CALDWELL
PHONE NUMBER: 208-459-4781

FIRST: ROBERT G

STATE: ID ZIP: 83605

OWNER CODE: C

FIELD EXAM REQUIRED?

FIELD
EXAMINER

DATABASE
Y

VERIFICATION REQUIRED DUE TO REMARKS?

CLAIM REMARKS: WE INCORRECTLY LISTED HIS ADDRESS AS 21395 LONKEY LN, CORRECTED
IT TO 21417 LONKEY LN, PER CONVERSATION WITH MR BONNELL, BY RDH
6/1/92.

FIELD EXAMINATION INFORMATION

CONTACT PERSON: ROBERT G. BONNELL PHONE NUMBER: () SAME

DATE OF FIELD EXAM: 06/19/92 APPOINTMENT MADE: Y() N() TIME: 08:00 A() P()

ACCOMPANIED BY: A BAUE PHONE NUMBER: () - -

RELATIONSHIP TO CLAIMANT: SAME

DIRECTIONS TO PROPERTY / NOTES:

JORDAN VALLEY - FLINT CR ROAD (19.2 MILES) -
PRIMITIVE ROAD (LOCKED GATE).

A. AJ CLAIM: # A55-04065 PRIORITY DATE: 02-22-1898 STAGE: S

B. WR RECORD: # 55-04065 PRIORITY DATE: 02-22-1898 STAGE: S

C. FIELD EXAM REQUIRED?

DUE TO PRIORITY DATE DISCREPANCY? (Y/N)

FIELD EXAMINER

ARE THERE OBVIOUS REASONS TO QUESTION THE PRIORITY DATE CLAIMED? Y() N(~~X~~)
IF YES EXPLAIN.

NOTES: RECOMMEND AS CLAIMED, SEE EVIDENCE OF PRIORITY
FILED IN CORRESPONDENCE STACK.

RECOMMENDED PRIORITY DATE:
02-22-1898

REVIEWED BY *246* DATE 01-05-92

A. AJ CLAIM POINT OF DIVERSION AND SOURCE:

| RIGHT | TWP. | RGE. | SEC. | 1/4 | 1/4 | 1/4 | LOT | CNTY |
|-----------|------|------|------|-----|-----|-----|-----|--------|
| A55-04065 | 06S | 04W | 2 | NW | SW | | | OWYHEE |

OTHER AJ CLAIMS WITH SAME AJ POD
A PREFIX R PREFIX
A55-10259 NONE
WR RECORDS IN SAME 40 ACRE TRACT
NONE

SOURCE: FLINT CREEK

TRIB: JORDAN CREEK

B. WR POINT OF DIVERSION AND SOURCE:

| RIGHT | TWP. | RGE. | SEC. | 1/4 | 1/4 | 1/4 | LOT | CNTY |
|----------|------|------|------|-----|-----|-----|-----|--------|
| 55-04065 | 06S | 04W | 2 | NW | SW | | | OWYHEE |

OTHER WR RECORDS WITH SAME WR POD
A PREFIX R PREFIX
A55-10259 NONE
AJ CLAIMS IN SAME 40 ACRE TRACT

NONE

A55-10259 NONE

SOURCE: FLINT CREEK

TRIB: JORDAN CREEK

C. FIELD EXAM REQUIRED?

| DUE TO POD DISCREPANCY? | (Y/N) | DUE TO SOURCE DISCREPANCY? | (Y/N) | FIELD EXAMINER |
|-------------------------|-------|----------------------------|-------|----------------|
| | Y | | N | <u>RAB</u> |

NOTES:

"P/D" LOCATED BY FX TO 10TH ACRE TRACT.

SYSTEM DESCRIPTION ATTACHMENT TO CLAIM VERIFICATION REPORT

CLAIM NO. A55-04065

P/D, THE SOURCE IS FLINT CREEK. THE WATER
IS DIVERTED FROM FLINT CREEK VIA A
4-INCH LINE THAT RUNS APPROXIMATELY 3200 FT
TO THE POW FOR MINING. A 4 INCH / 3 INCH
LINE IS SOMETIME EXPOSED AND SOMETIME UNDER
GROUND. AT THE POW THE PIPE IS UNDERGROUND
AND RUNS THROUGH A FIRE BUILDING (HAS A VALVE) THEN
TO THE MINE WORKING AREA. DOMESTIC BUILDINGS
ARE NO LONGER HOOKED-UP TO THIS SOURCE.

DIRECTIONS FROM JORDAN VALLEY: 19.2 MILES
FROM J.V. turn left off of FLINT ROAD.
THE PRIMITIVE ROAD HAS A LOCKED GATE.

A. ROOT WATER RIGHT NUMBERS: A55-04065

B. POU LISTING

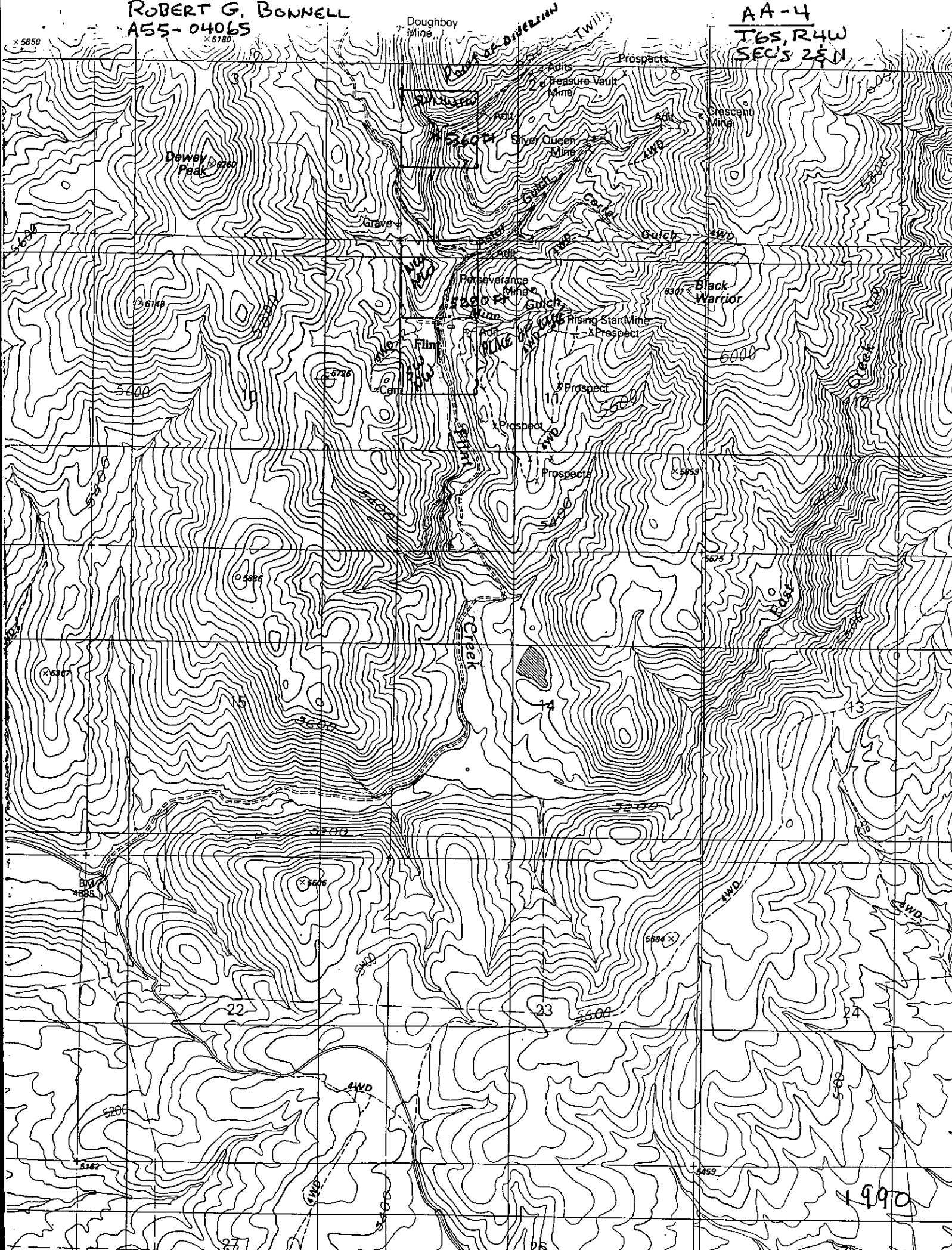
| TWP | RNG | SEC | 1/4 | 1/4 | LOT | NAME | AJ
#/ACRES | WR
#/ACRES | LANDSAT
DATA | FIELD
EXAM. | RECOMM.
ACRES |
|-------------|-----|-----|-----|-----|-----|--------------------|---------------|---------------|-----------------|----------------|------------------|
| 06S | 04W | 11 | NE | NW | | BONNELL, ROBERT G. | A55-04065 / | 55-04065 / | | | |
| | | | NE | NW | | BONNELL, ROBERT G. | A55-04064 / | 55-04064 / | | | |
| | | | NE | NW | | BONNELL, ROBERT G. | A55-04066 / | 55-04066 / | | | |
| | | | NE | NW | | BONNELL, ROBERT G. | R55-04064 / | - / | | | |
| | | | NE | NW | | BONNELL, ROBERT G. | R55-04066 / | - / | | | |
| 06S | 04W | 11 | NW | NW | | BONNELL, ROBERT G. | A55-04065 / | 55-04065 / | | | |
| | | | NW | NW | | BONNELL, ROBERT G. | A55-04064 / | 55-04064 / | | | |
| | | | NW | NW | | BONNELL, ROBERT G. | A55-04066 / | 55-04066 / | | | |
| | | | NW | NW | | BONNELL, ROBERT G. | R55-04064 / | - / | | | |
| | | | NW | NW | | BONNELL, ROBERT G. | R55-04066 / | - / | | | |
| | | | NW | NW | | KERSHNER, VERNON H | A55-10259 / | - / | | | |
| 06S | 04W | 11 | SW | NW | | BONNELL, ROBERT G. | A55-04065 / | 55-04065 / | | | |
| | | | SW | NW | | BONNELL, ROBERT G. | A55-04064 / | 55-04064 / | | | |
| | | | SW | NW | | BONNELL, ROBERT G. | A55-04066 / | 55-04066 / | | | |
| | | | SW | NW | | BONNELL, ROBERT G. | R55-04064 / | - / | | | |
| | | | SW | NW | | BONNELL, ROBERT G. | R55-04066 / | - / | | | |
| | | | SW | NW | | KERSHNER, VERNON H | A55-10259 / | - / | | | |
| 06S | 04W | 11 | SE | NW | | BONNELL, ROBERT G. | A55-04065 / | 55-04065 / | | | |
| | | | SE | NW | | BONNELL, ROBERT G. | A55-04064 / | 55-04064 / | | | |
| | | | SE | NW | | BONNELL, ROBERT G. | A55-04066 / | 55-04066 / | | | |
| | | | SE | NW | | BONNELL, ROBERT G. | R55-04064 / | - / | | | |
| | | | SE | NW | | BONNELL, ROBERT G. | R55-04066 / | - / | | | |
| TOTAL ACRES | | | | | | | A55-04065 | | | | |

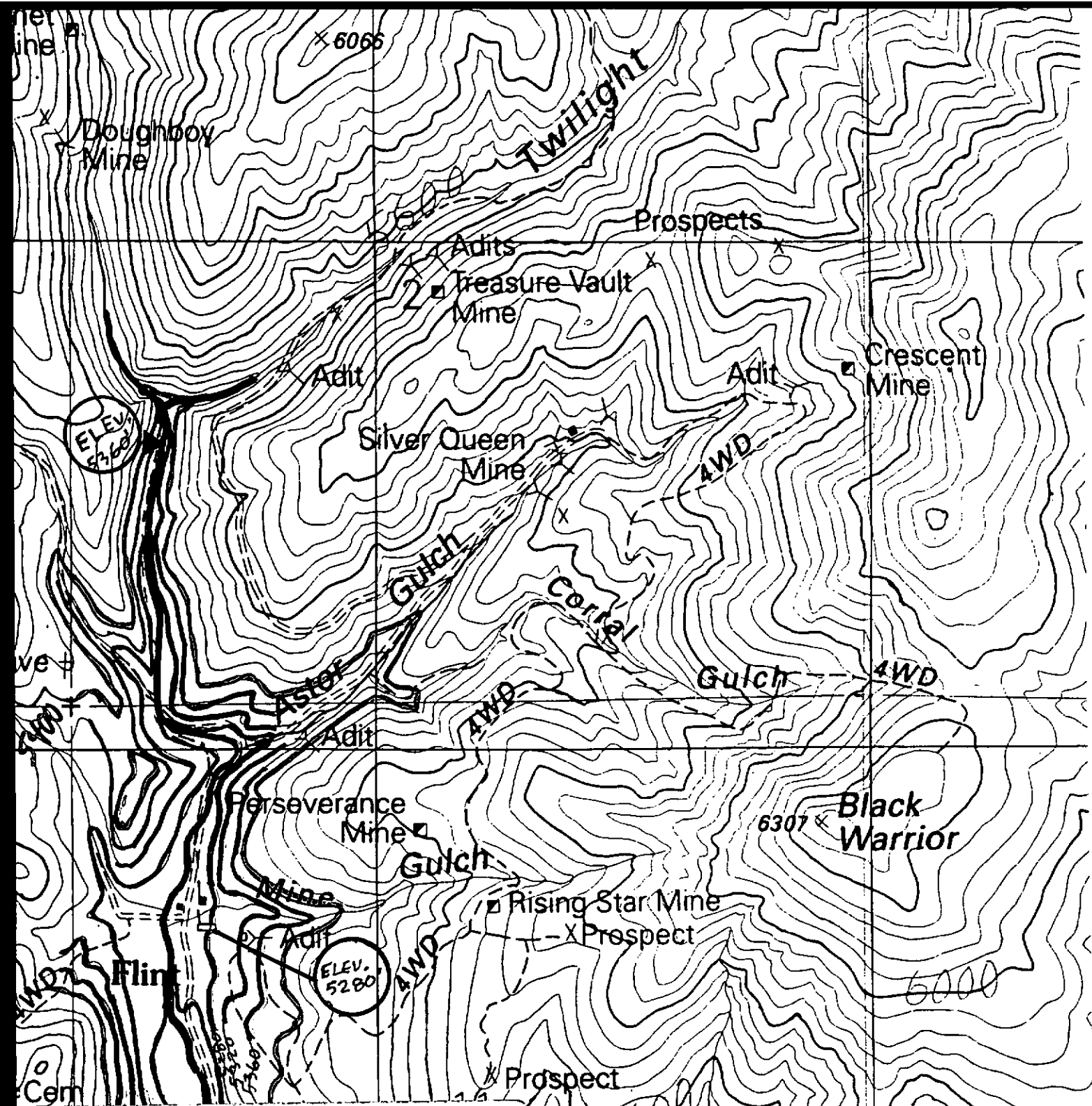
ARE IRRIGATED ACRES FOUND IN TRACTS OTHER THAN INDICATED ABOVE, Y () ☒ NO IRRIG.
IF YES SEE ATTACHED SHEET:

C. FIELD EXAM REQUIRED? ☐ FIELD EXAMINER Reh POU COUNTY: OHYHEE
DUE TO POU DISCREPANCY? (Y/N) ☐ Y

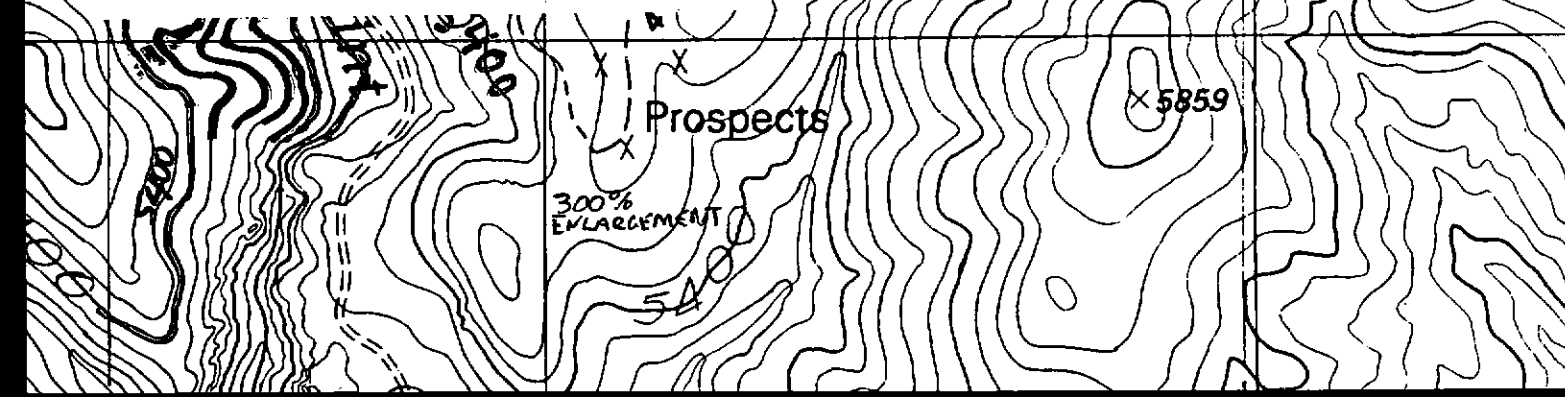
ROBERT G. BONNELL
A55-04065

AA-4
T6S, R4W
SEC'S 2 & 3





ROBERT G. BONNELL A55-04065
MAP AA-4
T6S, R4W, Sec's 2 & 11



PRESUMPTION FLAG:

NOTES:

RECOMMENDATIONS:

TOTAL ACRES:

N/A

REVIEWED BY:

REL

DATE:

01-05-93

A. AJ CLAIMED USES:

| PURPOSES | MONTH/DAY | DIVERSION QUANTITY |
|------------------|-------------------------------------|--------------------|
| A55-04065 MINING | FROM 01-01 TO 12-31 | 1,500 CFS |
| | TOTAL DIVERSION RATE/VOLUME CLAIMED | 1,500 CFS |

B. WR RECORDED USES:

| PURPOSES | MONTH/DAY | DIVERSION QUANTITY |
|-----------------|-------------------------------------|--------------------|
| 55-04065 MINING | FROM 01-01 TO 12-31 | 1,500 CFS |
| | TOTAL DIVERSION RATE/VOLUME CLAIMED | 1,500 CFS |

PRESUMPTION FLAG:

C. FIELD EXAM REQUIRED?

| | DUE TO WATER-USE DISCREPANCY? (Y/N) | DUE TO DIVERSION RATE DISCREPANCY? (Y/N) | DUE TO PERIOD FROM/TO DISCREPANCY? (Y/N) | DATABASE | FIELD EXAMINER |
|--|-------------------------------------|--|--|----------|----------------|
| | | | | N | REB |
| | | | | N | |
| | | | | N | |

D. PERIOD OF USE:

RECOMMEND AS CLAIMED?

RECOMMEND TO WR STANDARDS OR OTHER?

Y(☒) N(☐)

Y(☒) N(☐)

Explain in notes, below.

NOTES:

YEAR ROUND USE FOR MINING

A. DOES DIVERSION RATE CLAIMED AGREE WITH EXISTING RECORDS? Y(X) N()

AJ TOTAL CLAIMED DIVERSION RATE: 1.500 CFS
WR ROOT RIGHT TOTAL DIVERSION RATE: 1.500 CFS

*** IF NO or IF STATUTORY CLAIM or BENEFICIAL USE then flow measurement required. ***
** If an amount smaller than the original diversion rate is **
** claimed and an exam is NOT required, explain in notes. **

FLOW MEASUREMENT REQUIRED?

FIELD DATABASE EXAMINER
Y RRB

DUE TO STAGE OR DIVERSION RATE DISCREPANCY? (Y/N) Y

B.

FLOW MEASUREMENT

MEASUREMENT METHOD PIPE FLOW COMP., SEE ATTACHED CALCULATIONS.

C. ARE OTHER WATER RIGHTS USED? Y() N(X) IF YES COMPLETE OVERLAP REVIEW.

OTHER RIGHTS LISTED IN CLAIM: NONE

NO CLAIMS FOUND WITH SAME POI AND IRRIGATION USAGE

LIST ALL RIGHTS WITH SAME POI BUT NOT USED FOR IRRIGATION.

| CLAIM NO. | PURPOSES | NAME | MONTH/DAY | RATE | VOLUME |
|-----------|------------|--------------------|---------------------|-----------|--------|
| A55-04065 | MINING | BONNELL, ROBERT G | FROM 01-01 TO 12-31 | 1.500 CFS | |
| A55-04064 | DOMESTIC | BONNELL, ROBERT G. | FROM 01-01 TO 12-31 | .020 CFS | |
| A55-04066 | DOMESTIC | BONNELL, ROBERT G. | FROM 01-01 TO 12-31 | .050 CFS | |
| R55-04064 | DOMESTIC | BONNELL, ROBERT G | FROM 01-01 TO 12-31 | .020 CFS | |
| R55-04066 | DOMESTIC | BONNELL, ROBERT G | FROM 01-01 TO 12-31 | .050 CFS | |
| A55-10259 | STOCKWATER | KERSHNER, VERNON H | FROM 06-01 TO 11-01 | .090 CFS | |

D. RATE/VOLUME CALCULATIONS: (IRRIGATION) 1b. CALCULATIONS

1a. IRRIGATION RATE
ACRES _____ x 0.02 CFS/ACRE = _____ CFS
(Taken from p/u review)

DOES AMOUNT CLAIMED EXCEED 0.02 CFS/ACRE? Y() N()

*** IF YES ADDITIONAL WATER USE FORM FILED AND ATTACHED? Y() N() ***

2. IRRIGATION CONSUMPTIVE USE
CLAIMED CONSUMPTIVE USE = _____ AF/A
ACRES _____ x CONSUMPTIVE VOL. AF/A FOR AREA _____ =
TOTAL CONSUMPTIVE USE _____ AF/A

3. IRRIGATION DIVERSION VOLUME
CLAIMED DIVERSION VOLUME = _____ AF/A
ACRES _____ x DIVERSION VOL. AF/A FOR AREA _____ =
TOTAL DIVERSION VOLUME _____ AF/A

4. CALCULATIONS FOR USES OTHER THAN IRRIGATION:
SEE ATTACHED SHEET? Y() N()

NOTES: (Include limitations on CONSUMPTIVE USE for combined rights.)

Pipeflow Computation Spreadsheet (DRT 12/31/1992)

Data Entered By: Ron Howerton 01/05/1993

Project: Flow Computation for SRBA Claim No. A55-04065

Robert G Bonnell

Given: See Data Table

Compute head losses with the Williams and Hazen Formula:

$$f = 0.2083 * (100 / \text{roughness})^{1.85} * ((\text{cfs} * 448.8)^{1.852} / \text{ID}^{4.8655} * \text{Length} / 100)$$

To Find: Compute the Rate of Flow

Data Table

Total Head: 80.00 feet

Pressure Req'd: 0.00 psi

Available Head: 80.00 feet

Pipe Roughness: 95.00 Note: pvc = 150, smooth and straight pipe = 140
 aluminum - joint length 20' = 125, joint length
 30' = 130, joint length 40' = 132, joint length
 50' = 134, new riveted steel = 100
 old riveted steel = 100, old cast iron = 95,
 old pipes in poor condition = 60 to 80

| Inside
Diameter
in Inches | Equivalent
Length
in Feet | Unit
Head
Loss | Total
Head
Loss from Pipe Friction | Head
Loss
per 100 ft |
|---------------------------------|---------------------------------|----------------------|--|----------------------------|
| | | | | |
| 3.80 | 3200.00 | 80.02 | | 2.50 |

80.02

RATE OF FLOW: 0.270 CFS

All formulas for finding the amount of water that will flow through a pipe in a given time are approximate. The formula below will give results within 5 or 10 per cent of actual results, if applied to pipe lines carefully laid and in a fair condition.

$$V = C \sqrt{\frac{hD}{L + 54D}}$$

in which V = approximate mean velocity in feet per second;

C = coefficient from the accompanying table;

D = diameter of pipe in feet;

h = total head in feet;

L = total length of pipe line in feet.

Values of Coefficient C

| Diam. of Pipe | | | Diam. of Pipe | | | Diam. of Pipe | | |
|---------------|--------|-----|---------------|--------|-----|---------------|--------|-----|
| Feet | Inches | C | Feet | Inches | C | Feet | Inches | C |
| 0.1 | 1.2 | 23 | 0.8 | 9.6 | 46 | 3.5 | 42 | 64 |
| 0.2 | 2.4 | 30 | 0.9 | 10.8 | 47 | 4.0 | 48 | 66 |
| 0.3 | 3.6 | 34 | 1.0 | 12.0 | 48 | 5.0 | 60 | 68 |
| 0.4 | 4.8 | 37 | 1.5 | 18.0 | 53 | 6.0 | 72 | 70 |
| 0.5 | 6.0 | 39 | 2.0 | 24.0 | 57 | 7.0 | 84 | 72 |
| 0.6 | 7.2 | 42 | 2.5 | 30.0 | 60 | 8.0 | 96 | 74 |
| 0.7 | 8.4 | 44 | 3.0 | 36.0 | 62 | 10.0 | 120 | 77 |

Example. — A pipe line, 1 mile long, 12 inches in diameter, discharges water under a head of 100 feet. Find the velocity and quantity of discharge.

From the table, the coefficient C is found to be 48 for a pipe 1 foot in diameter, hence:

$$V = 48 \sqrt{\frac{100 \times 1}{5280 + 54 \times 1}} = 6.57 \text{ feet per second.}$$

To find the discharge in cubic feet per second, multiply the velocity found by the area of cross-section of the pipe in square feet:

$$6.57 \times 0.7854 = 5.16 \text{ cubic feet per second.}$$

The loss of head due to a bend in the pipe is most frequently given in the equivalent length of straight pipe, which would cause the same loss in head as the bend. Experiments show that a right-angle bend should have a radius of about three times the diameter of the pipe. Assuming this curvature, then, if D is the diameter of the pipe in inches and L is the length of straight pipe in feet, which causes the same loss of head as the bend in the pipe, the following formula gives the equivalent length of straight pipe that should be added to compensate for a right-angle bend:

$$L = 4D + 3.$$

Thus the loss of head due to a right-angle bend in a six-inch pipe would be equal to that in 8 feet of straight pipe. Experiments undertaken to determine the losses due to valves in pipe lines indicate that a fully open gate valve in a pipe causes a loss of head corresponding to that in a length of pipe equal to six diameters.

$$Q = VA$$

$$(3.095)(.0872666) = 0.27 \text{ CFS}$$

$$Q = 0.27 \text{ CFS}$$

A55-04065

OWNER: Robert G. BONNELL

FX; JUN 19 1992

CALC: BY Ron Howerton

$$V = 3.095 \text{ FT/SECOND}$$

$$C = 34$$

$$D = 0.3333 \text{ Ft}$$

$$h = 80 \text{ Ft}$$

$$L = 3200 \text{ Ft}$$

VEL. CALC.

$$V = 34 \sqrt{\frac{(80)(.3333)}{3200 + [(54)(.3333)]}} =$$

$$V = 34 \sqrt{\frac{26.6666}{3200 + 17.9999}} =$$

$$V = 34 \sqrt{\frac{26.6666}{3218}} =$$

$$V = 34 \sqrt{.0082867} =$$

$$V = (34)(.0910313) =$$

$$V = 3.095 \text{ FT PER SECOND}$$

"A"

AREA CALC.

$$(D^2)(.7854)$$

↑
IN Ft

$$(.3333)(.3333)(.7854) = .0872666$$

PIPEFLOW COMPUTATION SPREADSHEET (RDH 07/23/1993)

DATA ENTERED BY:RON HOWERTON 10/06/93

FLINT CREEK

GIVEN: SEE DATA TABLE

COMPUTE HEAD LOSSES WITH WILLIAMS AND HAZEN FORMULA:

$$f = 0.2083 * (100 / \text{roughness})^{1.85} ((\text{cfs} * 448.8)^{1.852} / \text{ID}^4.8655 * \text{leng})$$

TO FIND: COMPUTE THE RATE OF FLOW

DATA TABLE

TOTAL HEAD: 80 FEET

PRESSURE REQ'D: 0 PSI

AVAILABLE HEAD: 80 FEET

PIPE ROUGHNESS: 100 NOTE: PVC = 150, SMOOTH STRAIGHT PIPE = 140
ALUMINUM - JOINT LENGTH 20' = 125, JOINT LE
30' = 130, JOINT LENGTH 40' = 132, JOINT LE
50' = 134, NEW RIVETED STEEL = 100
OLD RIVETED STEEL = 100, OLD CAST IRON = 95
OLD PIPES IN POOR CONDITION = 60 TO 80.

| INSIDE
DIAMETER
IN INCHES | EQUIVALENT
LENGTH
IN FEET | UNIT
HEAD
LOSS | TOTAL
HEAD
LOSS FROM PIPE FRICTION | HEAD
LOSS
PER 100 F |
|---------------------------------|---------------------------------|----------------------|--|---------------------------|
| 3.75 | 3200 | 79.65 | | 2.49 |

79.65

RATE OF FLOW: 0.274 CFS

RECOMMENDATIONS:

| REC.
PURPOSES | REC. PERIOD
FROM TO | REC. DIV
RATE CFS | REC. DIV
VOL. AF/A | REC. CONS.
USE |
|----------------------|------------------------|----------------------------|-----------------------|--------------------------|
| MINING | 01-01 12-31 | DATABASE EXAMINER
1.500 | DATABASE EXAMINER | DATABASE EXAMINER
0.0 |
| TOTAL FOR THIS RIGHT | | 4.500 - 0.27 CFS | | 0.0 |

REVIEWED BY: Rda DATE: 01-05-92

A. CHECK ONLY THE FOLLOWING THAT APPLY:

| | | |
|------------------------|------------|--------|
| OWNERSHIP | ACCEPTED | NEEDS |
| FORFEIT/ABANDON | AS CLAIMED | REVIEW |
| ADDITIONAL DIV. AMOUNT | () | () |
| | () | () |
| | () | () |

B. SPLIT WATER RIGHT REVIEW

ROOT WATER RIGHT NUMBER: 55-04065

TOTAL DIVERSION RATE OF WR SPLITS

DATABASE 1.500 CFS

SPLITS:

| OLD RIGHT
NUMBERS | CURRENT
CLAIM NUMBERS | DIVERSION
RATE | CURRENT "R"
CLAIM NUM. | "R" DIV.
RATE | WR RIGHT
NUMBERS | DIVERSION
RATE |
|----------------------|--------------------------|-------------------|---------------------------|------------------|---------------------|-------------------|
| - | A55-04065 | 1.500 | - | - | 55-04065 | 1.500 |
| TOTAL CFS | | | | | | 1.500 |

DIVERSION RATE REVIEW

DO THE SUM CFS RATE OF THE SPLITS EQUAL THE ROOT RIGHT CFS RATE? (Y/N)
IF NO, Is the written review sheet attached? (Y/N)

DATABASE Y
FIELD EXAMINER

NOTES:

NO-SPLITS

AUTHENTICATION:

SIGNATURE:

Ron Hoverton

NAME OF FIELD EXAMINER:

DATE:

JAN 0 5 1993

TITLE:

SR WATER AGENT

CLAIM NUMBER: A55-04065

Stage: STATUTORY CLAIM

Tributary to: JORDAN CREEK

OWYHEE County

MSHN

T06S R04W S02

Point(s) of Diversion:

Place of use Legal Description for: MINING

PM

MS

ES

[illegible]

POU County: OWYHEE

Non-Irrigation Uses: X/FLINT SILVER MINE.

Other Rights: NONE

Remarks: WE INCORRECTLY LISTED HIS ADDRESS AS 21395 LONKEY LN, CORRECTED IT TO 21417 LONKEY LN, PER CONVERSATION WITH MR BONNEL, BY RDH 6/1/92.

Dates: Exam Made Date: 06/19/1992 Verified Date:

Misc: Water District Number: Field Inspection Flag: Y
Presumption Flag:

PAGE:
LIST OF MAPS USED AND ATTACHMENTS

CLAIM NUMBER:

MAPS AND AERIAL PHOTOGRAPHS USED TO REVIEW THIS NOTICE OF CLAIM TO A WATER RIGHT

| TYPE OF MAP OR PHOTOGRAPH (CHECK IF USED) | IF USED, SUPPLY APPROPRIATE DATE AND OTHER INFORMATION | COPY INCLUDED IN FILE? |
|--|--|------------------------|
| ☐ ORTHOPHOTOQUAD | DATE OF PHOTO _____ IDNR ID NO. _____ | Y() N() |
| ☒ TOPOGRAPHIC | DATE FIELD CHECKED <u>1990</u> IDNR ID NO. <u>AA-4</u> | Y() N() |
| ☐ NAPP | DATE OF PHOTO _____ IDNR ID NO. _____ | Y() N() |
| ☐ ASCS AERIAL PHOTO | DATE OF PHOTO _____ | Y() N() |
| ☐ ASCS COLOR SLIDE | DATE OF PHOTO _____ | Y() N() |
| ☐ BLM OR USFS AERIAL PHOTO | DATE OF PHOTO _____ | Y() N() |
| ☐ TOWNSHIP SURVEY (GOVERNMENT PLAT) | DATE OF SURVEY _____ | Y() N() |
| ☐ SCS SOIL SURVEY MAP | DATE ISSUED _____ | Y() N() |
| ☐ SUBDIVISION PLAT MAP | DATE OF MAP _____ | Y() N() |
| ☒ OTHER | DATE <u>1990</u> <u>ENLARGED TOPO AA-4</u> | Y() N() |
| ☐ OTHER | DATE _____ | Y() N() |
| ☐ OTHER | DATE _____ | Y() N() |

LIST OF ATTACHMENTS (CHECK IF ATTACHED) IF ATTACHED, SUPPLY APPROPRIATE INFORMATION PAGES

NOTES

| LIST OF ATTACHMENTS (CHECK IF ATTACHED) | IF ATTACHED, SUPPLY APPROPRIATE INFORMATION | PAGES | NOTES |
|--|---|-------|-------|
| ☐ LICENSING FIELD EXAM | DATE OF FIELD EXAM _____ | _____ | _____ |
| ☐ WATER RIGHT LICENSE | DATE LICENSE SIGNED _____ | _____ | _____ |
| ☐ IDNR APPROVED TRANSFER | DATE TRANSFER APPROVED _____ | _____ | _____ |
| ☐ SYSTEM DESCRIPTION | DATE DRAWN _____ | _____ | _____ |
| ☒ PHOTOGRAPHS | DATE(S) PHOTOS TAKEN <u>6-18-92</u> | _____ | _____ |
| ☐ SPLIT RIGHT REVIEW | DATE REVIEW COMPLETED _____ | _____ | _____ |
| ☐ HUBBLE ANALYSIS | DATE ANALYSIS COMPLETED _____ | _____ | _____ |
| ☐ CONVEYANCE LOSS ANALYSIS | DATE ANALYSIS COMPLETED _____ | _____ | _____ |
| ☐ FLOW MEASUREMENT CALCULATIONS | DATE SYSTEM MEASURED _____ | _____ | _____ |
| ☐ OTHER | DATE _____ | _____ | _____ |
| ☐ OTHER | DATE _____ | _____ | _____ |

A55-04065

PHOTO # 1

P/D, SHOWS 4 INCH
PIPE IN FLINT CR.
UPSTREAM PHOTO.



PHOTO # 2

AT P/D LOOKING DOWNSTREAM.



Photo's By

RDH JUN 19 1966

A 55-04065

PHOTO #3 SHOWS PIPELINE ALONG PATH UP TO P/D



PHOTO #4 SHOWS POU FOR MINING, PROCESSING ETC.



Photo's By
RDH

JUN 19 1992



State of Idaho
DEPARTMENT OF WATER RESOURCES

Western Region, 2735 Airport Way, Boise, Idaho 83705-5082 - (208) 334-2190

May 22, 1992

CECIL D. ANDRUS
GOVERNOR

R. KEITH HIGGINSON
DIRECTOR

ROBERT G BONNELL
21395 LONKEY LN
CALDWELL ID 83605

RE: Claims filed in the Snake River Basin Adjudication

Dear Claimants: *CLAIM NO. A55-04065- Dwyhee CO.*

The Department of Water Resources will be conducting beneficial use and water right claim verification examinations in your area beginning in June. An examination is needed to verify your water use in order to issue a water right license and/or decree.

Information on your permit or claim which may need to be verified includes source of water, type of usage, amount of water used, number of acres irrigated, and legal descriptions of the point of diversion and/or place of use.

In order to expedite these field examinations, which need to be completed this summer in your area, we request that you contact our office at (208)334-2190 within two weeks to make an appointment at a time convenient for you. The amount of time required to conduct these exams depends on the number of water rights you have filed. An approximate time can be given when you call for an appointment.

Although it is not mandatory that you accompany the field examiner, it does insure that an accurate description of your system will be made. If either yourself, or someone familiar with the system, could accompany the examiner it would be appreciated.

In some cases, the date of priority claimed also needs to be verified. Letters were sent to some claimants notifying them that evidence of the date of first use of their water right(s) was required. If you received one of these letters and have questions, we can address those during our examination.

To make an appointment, or if you have any questions or problems with scheduling the exam, please contact one of the following water resource agents:

LINDA WERNER

KAY WALKER

RON HOWERTON

ROXANNE MCCARTHY

No. 1016

Notice of Water Right Location
To Whom it May Concern:

Notice is hereby given, That J. P. Bonnell, of Denver County of Arapahoe State of Colorado, have this 22nd day of February, 1898, appropriated and hereby claim the use of waters of Twilight and Hood gulches, making what is known as Flinth Creek, to the extent of Three Hundred and Fifty (350) cubic feet per second, flowing at the point of intended diversion, which said point of intended diversion is particularly described as follows, to-wit: Within two hundred feet of the junction of Hood and Twilight gulches on the West 1/2 of Section No. Two (2) Township Six (6) South, Range Four (4) West of the Boise Meridian, in Owyhee County, Idaho.

That the special purpose or purposes for which said water is claimed is mining and milling purposes in operating the Flinth quartz mill and the Snow Spray placer.

The place of its intended use is on Section eleven (11) Township Six (6) South, Range Four (4) West of Boise Meridian. That the general course of the proposed canal or conduit is South and South easterly.

The length of said proposed canal or conduit is about 3500 feet and consists of a pipe line from the place of diversion to the Flinth Quartz Mill located on the West 1/2 of Section 11, Township 6 South, Range 4 West of Boise Meridian.

That it is intended to complete the works for the diversion and use of said water as aforesaid within five years.

A copy of this notice was duly posted at or near the point of intended diversion on the 22nd day of February, 1898.

Witness my hand at Flinth County of Owyhee State of Idaho, this 22nd day of February, 1898.

Appropriator and Claimant J. P. Bonnell.

Evidence of
Priority

State of Idaho, ss.
County of Owyhee.

I J. P. Bonnell, being first duly sworn, deposes and says, that he is of lawful age and is the appropriator and claimant of the Water Right described in the within and foregoing notice, and whose name is subscribed thereto. That the statements in said notice are true, and that the original notice of which the foregoing is a true copy was posted in a conspicuous place at or near the point of intended diversion at 10 o'clock A.M. the 22nd day of Feb'y, 1898.

J. P. Bonnell
Subscribed and sworn to before me, this 28th day of Feb'y, 1898.
E. L. Ballard, Recorder.

Filed Feb'y 28th 1898, at 9:30 o'clock
A.M. at request of J. P. Bonnell.
E. L. Ballard,
Recorder.