

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: **A47-07435B**
Date Received: 8/10/1988
Receipt No: X777777
Received By: _____

**COPY FOR
YOUR FILES**

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

**COPY FOR
YOUR FILES**

1. Name: CRAIG A BENNETT 503-884-9402
Address: RT 5 BOX 1305
KLAMATH FALLS OR 97601
OR
Name: MARILYN A BENNETT 503-884-9402
Address: RT 5 BOX 1305
KLAMATH FALLS OR 97601

2. Date of Priority: AUG 15, 1977

3. Source: GROUNDWATER Trib. to:

4. Point of Diversion:

Township	Range	Section	1/4 of	1/4 of	1/4	Lot	County
08S	14E	30	NW	NW	SE		TWIN FALLS

5. Description of diverting works:
WELL WITH PIPELINES

6. Water is used for the following purposes:

Purpose	From	To	C.F.S	(or)	A.F.A.
DOMESTIC	01/01	12/31	0.040		
HEATING	01/01	12/31	0.020		
RECREATION	01/01	12/31	0.020		

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

8. Total consumptive use is Acre Feet Per Annum.

9. Non-irrigation uses:
D/ 1 HOUSE G/ HEATING R/ POOL

10. Place of Use:

Township	Range	Section	1/4 of	1/4	Lot	Use	Acres
08S	14E	30	SE	SE		DOMEST	
			SE	SE		HEAT	
			SE	SE		REC	

11. Place of use in counties: TWIN FALLS

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

13. Other Water Rights Used:
NONE

14. Remarks:

P/U IS LOT 21-B, SALMON RIVER RANCHES

DWR NOTE

THIS CLAIM SHOULD BE A PART OF LICENSE 47-07435 AND THE CORRECT
P/D IS NWSESE. THE PRIORITY DATE IS 10-20-1977.

THE WELL IS WELL #2 WITH A DIVERSION OF .02 CFS.

THIS WAS DETERMINED WHEN THE DEVELOPER CAME IN TO FILE HIS CLAIMS
AND WE REVIEWED ALL THE SPLITS OF THESE RIGHTS. (SCC 1-04-89)

****11-30-95 KKC *** THE CLAIM WAS RENUMBERED FROM A47-07426B TO
BETTER IDENTIFY THE CORRECT BASE RIGHT. ***

15. Basis of Claim: LICENSE



State of Idaho

DEPARTMENT OF WATER RESOURCES

Southern Region, 222 Shoshone St. East, Twin Falls, Idaho 83301-6105 (208) 736-3033

Fax (208) 736-3037

PHILIP E. BATT
Governor

KARL J. DREHER
Director

November 30, 1995

CRAIG BENNETT
RT 5 BOX 1305
KLAMATH FALLS OR 97601

RE: SNAKE RIVER BASIN ADJUDICATION CLAIM A47-07435B

Dear Mr Bennett

Enclosed is a copy of the above listed claim. I have renumbered A47-07426B to that claim number based upon the licensing examination conducted by Allen Merritt on 3-2-1988 and the subsequent license issued on 6-25-1992. Lot 21-B was determined to be a portion of license 47-07435 rather than 47-07426.

The final recommendation of your adjudication claim will be based upon the licensing data for 47-07435.

If you have any questions please call this office.

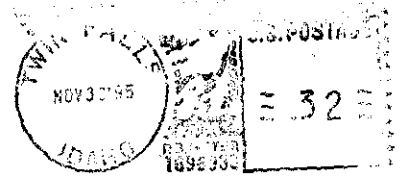
Sincerely

Kelly K Christensen
Sr Water Resource Agent

Enclosures

A47-07435B

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
222 Shoshone Street East • Twin Falls, Idaho • 83301-6105



NOT DELIVERABLE
AS ADDRESSEE
UNABLE TO

RECEIVED

DEC 06 1995

Department of Water Resources
Southern Region

97601-0072



State of Idaho

DEPARTMENT OF WATER RESOURCES

Southern Region, 222 Shoshone St. East, Twin Falls, Idaho 83301-6105 (208) 736-3033
Fax (208) 736-3037

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RT 5 BOX 1305
KLAMATH FALLS OR 97601

RE: SNAKE RIVER BASIN ADJUDICATION CLAIM A47-07435B

Dear Mr Bennett

Enclosed is a copy of the above listed claim. I have renumbered A47-07426B to that claim number based upon the licensing examination conducted by Allen Merritt on 3-2-1988 and the subsequent license issued on 6-25-1992. Lot 21-B was determined to be a portion of license 47-07435 rather than 47-07426.

The final recommendation of your adjudication claim will be based upon the licensing data for 47-07435.

If you have any questions please call this office.

Sincerely


Kelly K Christensen
Sr Water Resource Agent

Enclosures



NAME: BENNETT

CLAIM: 47-074135B

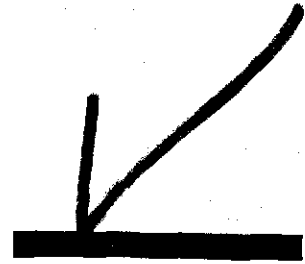
CORRESPONDENCE

EVIDENCE OF

PRIORITY



R PROOF



CVR



MAPS

NONE

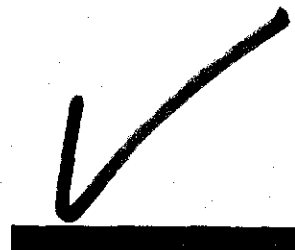


PHOTOS

NONE



MISC



AJ0743NP
(00-124)

IDAHO DEPARTMENT OF WATER RESOURCES
ADJUDICATION CLAIMS PROOF READING REPORT
(REGIONAL)

12/04/95 08:50:42
Page 1

Water Right Number - R47-074358

Prefix Translation: RESEARCH

Old (D) Number -

+ - - - - Last Name - - - - +

+ - First Name - - +

+ - - - - Address - - - - - +

*** C - CURRENT OWNER ***
BENNETT

CRAIG A

1 - RT 5 BOX 1305

VERIFIED BY *KKC*

2 -
3 -

City- KLAMATH FALLS
Phone - 503-884-9402

State- OR Zip- 97601

BENNETT

MARILYN A

1 - RT 5 BOX 1305

2 -
3 -

City- KLAMATH FALLS
Phone - 503-884-9402

State- OR Zip- 97601

+ - - Priority Date - - +
10/20/1977

+ - - Region - - - +
ERROR IN REGION

+ - - Stage - - - +
- LICENSE

+ - - Status - - - +

+ - - Source - - - - +
GROUNDWATER

+ - - Tributary - - - - - +

+ - - - - Point of Diversion - - - - - +
Twn Rng Sec Tract Lot RFlg County

08S 14E 30 NW SE SE (83) TWIN FALLS

Code	Description	Period From	Period To	Diversion Rate	Diversion Volume
43 - DOMESTIC		01/01	12/31	0.016	0.60
22 - HEATING		01/01	12/31	0.020	2.00
46 - RECREATION		01/01	12/31	0.020	1.30

+ - Total Div. Rate - + + - Total Div. Volume - +
0.025 4.00

+ - Total Consumptive Use - + + - KW Usage - +
0.0

Twn	Rng	Sec	Tract	Lot	Acres	Code	Description	County
08S	14E	30	SE SE			22	HEATING	(83) TWIN FALLS
08S	14E	30	SE SE			43	DOMESTIC	(83) TWIN FALLS
08S	14E	30	SE SE			46	RECREATION	(83) TWIN FALLS

Total Acres:

+ - - Diversion Means - WELL WITH PIPELINES

+ - - Non-Irrigation Use - DOMESTIC, 1 HOME; HEATING, 1 HOME; RECREATION, 1 POOL

+ - - Other Rights for Same Use - NONE

NOV 28 1996

Water right number - R47-07435B

Prefix Translation: RESEARCH

+ - - - - Remarks - - - - - +

PROPERTY IS ALSO KNOWN AS LOT 21B, SALMON RIVER RANCHES.
THE FOLLOWING RIGHTS ARE DIVERTED THROUGH THE POINT OF
DIVERSION DESCRIBED ABOVE: 47-07435A AND 47-07435B.
SOURCE IS ALSO KNOWN AS WELL # 2.
USE OF THIS RIGHT WITH RIGHT NO. 47-07435A IS LIMITED TO A
TOTAL COMBINED DIVERSION RATE OF 0.13 CFS AND A TOTAL COMBINED
ANNUAL DIVERSION VOLUME OF 4.8 AF FOR DOMESTIC USE, A TOTAL
COMBINED DIVERSION RATE OF 0.16 CFS AND A TOTAL COMBINED
ANNUAL DIVERSION VOLUME OF 16.2 AF FOR HEATING USE, A TOTAL
COMBINED DIVERSION RATE OF 0.16 CFS AND A TOTAL COMBINED
ANNUAL DIVERSION VOLUME OF 10.6 AF FOR RECREATION USE, AND AN
OVERALL TOTAL COMBINED DIVERSION RATE OF 0.20 CFS AND AN OVERALL
TOTAL COMBINED ANNUAL DIVERSION VOLUME OF 31.6 AF.

+ - - - - 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

+ - - - - Comments - - - - - +

Date: 11/30/1995 User Id: KCHRISTE Subject: COPIED FROM REMARKS

P/U IS LOT 21-B, SALMON RIVER RANCHES

DWR NOTE

P/D IS NWSESE. THE PRIORITY DATE IS 10-20-1977.

THIS WAS DETERMINED WHEN THE DEVELOPER CAME IN TO FILE HIS CLAIMS AND WE REVIEWED ALL THE SPLITS OF THESE RIGHTS. (SCC 1-04-89)

****11-30-95 KKC *** THE CLAIM WAS RENUMBERED FROM A47-074268 TO BETTER IDENTIFY THE CORRECT BASE RIGHT. ***

THIS CLAIM SHOULD BE A PART OF LICENSE 47-07435 AND THE CORRECT
THE WELL IS WELL #2 WITH A DIVERSION OF .02 CFS.

+ - - Audit Fields - - +

12/04/95 KCHRISTE

+ - - - - Adjudication Rights Dates and Flags Area - - - - - +

Court Report Filing - 00/00/0000
Objection Filed Date - 00/00/0000
Response Filed Date - 00/00/0000
Claim Received Date - 08/10/1988

Field Inspection Made - 00/00/0000
Field Inspection Flag -
Verified Date - 12/04/1995
Last Amended Date - 00/00/0000
Receipt Number - X777777
POU Ownership Flag - Y
Name Connector - OR

Civil Case Number - 39576
Old Case Number -
Old Judicial District -
Temporary Right - P
Water District -
Federal/State Indicator - S
Presumption Flag -
Notice of Error Flag -

NOV 28 1995

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
ADJUDICATION CLAIM VERIFICATION REPORT

08:18:05
12/01/95

PAGE: 17
QUICKLOOK INFORMATION

17
CLAIM NUMBER: A47-07435B

WR ELEMENT	DATA DISCREPANCY Y/N	CORRESPONDENCE SENT/RECEIVED BY WHOM/DATE	FIELD EXAM BY WHOM/DATE	CHANGE CLAIM Y/N	ELEMENT DOCUMENTED WHOM/DATE	COMPLETED REVIEW WHOM/DATE	COMPLETED DATA ENTRY WHOM/DATE	VERIFIED DATE WHOM/DATE
PRIORITY DATE	Y			Y	KKC 12-1-95	KKC 12-1-95		
POINT OF DIV				Y	KKC 12-1-95	"		
SOURCE				N	"	"		
PLACE OF USE	Y			N	"	"		
DIV. AMOUNT CFS/VOLUME	Y			Y	"	"		
CONSUMPTIVE USE	-			-	-	-		
PURPOSES OF USE	Y			N	"	"		
PERIOD OF USE				N	"	"		
BASIS OF CLAIM	Y			Y	"	"		
REMARKS	Y			Y	"	"		

BARCODE UPDATED
WHOM/DATE

KKC
12-4-95

NOV 28 1995

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
ADJUDICATION CLAIM VERIFICATION REPORT

08:18:05
12/01/95

PAGE: 1
GENERAL INFORMATION

CLAIM NUMBER: A47-07435B

LAST: BENNETT
ADDRESS: RT 5 BOX 1305
CITY: KLAMATH FALLS
PHONE NUMBER: 503-884-9402

FIRST: CRAIG A
STATE: OR ZIP: 97601

OWNER CODE: C

LAST: BENNETT
ADDRESS: RT 5 BOX 1305
CITY: KLAMATH FALLS
PHONE NUMBER: 503-884-9402

FIRST: MARILYN A
STATE: OR ZIP: 97601

OWNER CODE: C

FIELD EXAM REQUIRED?

VERIFICATION REQUIRED DUE TO REMARKS?

DATABASE
Y

FIELD
EXAMINER
Y (X) N (A)

CLAIM REMARKS: P/U IS LOT 21-B, SALMON RIVER RANCHES

DWR NOTE

THIS CLAIM SHOULD BE A PART OF LICENSE 47-07435 AND THE CORRECT
P/D IS NWSESE. THE PRIORITY DATE IS 10-20-1977.
THE WELL IS WELL #2 WITH A DIVERSION OF .02 CFS.
THIS WAS DETERMINED WHEN THE DEVELOPER CAME IN TO FILE HIS CLAIMS
AND WE REVIEWED ALL THE SPLITS OF THESE RIGHTS. (SCC 1-04-89)
*****11-30-95 KKC *** THE CLAIM WAS RENUMBERED FROM A47-07426B TO
BETTER IDENTIFY THE CORRECT BASE RIGHT. ***

NOV 28 1995

PAGE: 2
FIELD EXAMINATION INFORMATION

CLAIM NUMBER: A47-07435B

CONTACT PERSON: _____

PHONE NUMBER: () -

DATE OF FIELD EXAM: ___/___/___

APPOINTMENT MADE: Y() N()

TIME: ___:___ A() P()

ACCOMPANIED BY: _____

PHONE NUMBER: () -

RELATIONSHIP TO CLAIMANT: _____

DIRECTIONS TO PROPERTY / NOTES:

NO FIELD EXAM MADE FOR ADJ REVIEW

THE SYSTEM WAS EXAMINED FOR LICENSING ON
3-2-88 BY ALLEN MERRITT AND WAS SUBSEQUENTLY
LICENSED ON 6-25-92.

THIS CLAIM IS FOR 1 LOT (OR 1/8TH) OF THE
SYSTEM.

NOV 28 1996

CHANGE

A. AJ CLAIM: # A47-07435B PRIORITY DATE: 08-15-1977 STAGE: L

B. WR RECORD: # 47-07435 PRIORITY DATE: 10-20-1977 STAGE: L

C. CAN THE PRIORITY DATE CLAIMED BE CONFIRMED BY A DECREE OR LICENSE?

Y(☒) N(☐)

D. HAS THERE BEEN A LATER COURT DECREE OF THE WATER RIGHT(S) FROM THIS WATER SOURCE?

Y(☐) N(☒)

E. IS THERE ANY INDICATION THAT THERE HAS BEEN A FIVE YEAR PERIOD OF CONTINUOUS NONUSE?
(IF YES, DESCRIBE BELOW)

Y(☐) N(☒)

F. IF THIS CLAIM IS BASED ON A PERMIT, WHERE IS THE PERMIT IN THE LICENSING PROCESS?

PROOF OF BENEFICIAL USE SUBMITTED

N/A(☐) Y(☒) N(☐)

FIELD EXAM COMPLETED

N/A(☐) Y(☒) N(☐)

FIELD EXAM SENT TO STATE OFFICE

N/A(☐) Y(☒) N(☐)

LICENSE ISSUED

N/A(☐) Y(☒) N(☐)

* IF THE PERMIT WILL NOT BE LICENSED PRIOR TO THE DIRECTOR'S REPORT,
USE CONDITION CODE A01 AND RECOMMEND AS PERMITTED.

G. IF THIS CLAIM IS BASED ON BENEFICIAL USE, IS ADDITIONAL EVIDENCE
OF THE PRIORITY DATE REQUIRED?

N/A(☒) Y(☐) N(☐)

* FOR CLAIMS BASED ON BENEFICIAL USE, DESCRIBE THE EVIDENCE OF PRIORITY SUBMITTED,
INCLUDING THE ANALYSIS OF THE EVIDENCE.

H. IS THE STAGE OF THE CLAIM CODED CORRECTLY?

Y(☐) N(☐)

NOTES: this use is part of one system that was field examined
along with two other systems under the same owner. Apparently
there was some confusion on which subdivision lots went
with which permit and therefore at claimstaking the claimant
indicated the wrong permit for the basis of the claim.
I renumbered the original claim to reflect the correct base
number and am recommending the priority date as
licensed.

RECOMMENDED PRIORITY DATE:

8-15-1977

REVIEWED BY

KKC

DATE

12-1-95

NOV 28 1996

A. AJ CLAIM POINT OF DIVERSION AND SOURCE:

RIGHT	TWP. RGE.	SEC.	1/4	1/4	1/4	LOT	POD FLAG	COUNTY	DIVERSION NAME	DIVERSION NUMBER
A47-07435B	08S	14E	30	NW	NW	SE		TWIN FALLS		

OTHER AJ CLAIMS WITH SAME AJ POD
A PREFIX R PREFIX
A47-02159M R47-04072
A47-04072
A47-07426

WR RECORDS IN SAME 40 ACRE TRACT

47-04072
47-07426
47-07520
L47-07520

SOURCE: GROUNDWATER

TRIB:

B. WR POINT OF DIVERSION AND SOURCE:

RIGHT	TWP. RGE.	SEC.	1/4	1/4	1/4	LOT	POD FLAG	COUNTY	DIVERSION NAME	DIVERSION NUMBER
47-07435	08S	14E	30	SE	SE			TWIN FALLS		

OTHER WR RECORDS WITH SAME WR POD

AJ CLAIMS IN SAME 40 ACRE TRACT
A PREFIX R PREFIX

47-02159F
47-07959
47-08318

A47-02159AB R47-02159Q
A47-02159E
A47-02159F
A47-02159Q
A47-07435A

SOURCE: GROUNDWATER

TRIB:

C. IS THE CLAIMED POD WITHIN THE SAME 40 ACRE TRACT THAT IS DESCRIBED IN THE WATER RIGHT FILE? N/A() Y(~~X~~) N(~~X~~)

* IF NO, AND IF THE CHANGE IS VERIFIED AS AN ACCOMPLISHED CHANGE IN POD, DESCRIBE THE INJURY ANALYSIS PERFORMED AND ENTER FLAG "C" WITH THE APPROPRIATE EXPLANATORY CODE.

D. CAN THE CLAIMED POD BE VERIFIED USING THE WATER RIGHT FILE OR GPS DATA? N/A() Y(~~X~~) N()

E. SHOULD THE CLAIMED POD BE VERIFIED BY FIELD EXAM? Y() N(~~X~~)

F. IS THE CLAIMED SOURCE THE SAME AS DESCRIBED IN THE WATER RIGHT FILE? N/A() Y(~~X~~) N()

* IF NO, AND IF THE CHANGE IS VERIFIED AS AN ACCOMPLISHED CHANGE IN SOURCE, DESCRIBE THE INJURY ANALYSIS PERFORMED AND ENTER FLAG "C" WITH THE APPROPRIATE EXPLANATORY CODE.

G. CAN THE CLAIMED SOURCE BE VERIFIED USING THE WATER RIGHT FILE? Y(~~X~~) N()

H. SHOULD THE CLAIMED SOURCE BE VERIFIED BY FIELD EXAM? Y() N(~~X~~)

NOV 28 1998

NOV 28 1996

I. HOW WAS THE POD AND SOURCE VERIFIED?

LICENSING FIELD EXAM (DATE OF FIELD EXAM 3-2-88) Y(☒) N(☐)

AJ FIELD EXAM (DATE OF FIELD EXAM N/A) NAME OF EXAMINER _____ Y(☐) N(☐)

OTHER (DESCRIBE IN NOTES BELOW)

NOTES: Licensing field exam identifies the P/D serving Lot 21B as shown below in green. Claimed P/D was based upon the conflict in base claims. Therefore I recommend a different P/D than claimed

RECOMMENDED POINT(S) OF DIVERSION AND SOURCE: CHECK HERE IF RECOMMENDED AS CLAIMED ()

TWP.	RGE.	SEC.	1/4	1/4	1/4	LOT	POD FLAG	COUNTY	DIVERSION NAME	DIVERSION NBR
08S	14E	30	NW	NW	SE			TWIN FALLS		
8S	14E	30	NW	SE	SE				AKA Well #2	

SOURCE: GROUNDWATER

TRIB:

REVIEWED BY:

KKC

DATE:

12-1-95

SYSTEM DESCRIPTION: DESCRIBED BELOW (), SEE LICENSE FILE (X), OR SEE ATTACHMENT (X)

See Attached licensing field exam

A. ROOT WATER RIGHT NUMBERS: A47-07435A
A47-07435B
R47-07435B

B. POU LISTING

TWP	RNG	SEC	1/4	1/4	LOT	NAME	AJ #/ACRES	WR #/ACRES	LANDSAT DATA	FIELD EXAM.	RECOMM. ACRES
08S	14E	30	SE	SE		BENNETT, CRAIG A	A47-07435B /	- /		33.0	
			SE	SE		RING, ROBERT W	A47-07435A /	- /			
			SE	SE		BENNETT, CRAIG A	A47-02159F / 3.0	47-02159F / 5.0			
			SE	SE		PREADER, LESTER G	A47-02159Q / 4.0	- /			
			SE	SE		PREADER, LESTER G	R47-02159Q / 4.0	- /			
			SE	SE		RING, ROBERT W	A47-02159AF / 15.0	- /			
			SE	SE		BENNETT, CRAIG A	R47-07435B /	- /			
			SE	SE		MC LEMORE, STEPHEN W	A47-02159AB / 3.0	- /			
			SE	SE		STEWART, PATRICIA	A47-02159E / 5.0	- /			
			SE	SE		LARSEN, NELS		47-02159B / 35.0			
			SE	SE		HANSEN, MRS. RASMUS		47-02159C / 35.0			
			SE	SE		RING, ROBERT W.		47-02159G /			
			SE	SE		RING, ROBERT W.		47-04306 / 14.0			
			SE	SE		RING, ROBERT W		47-07435 /			
			SE	SE		BURGESS, HAROLD C.		47-07959 /			
			SE	SE		PREADER, LESTER G		47-08318 / 3.5			
08S	14E	30	SE	SE		BENNETT, CRAIG A	A47-07435B /	- /		33.0	
			SE	SE		RING, ROBERT W	A47-07435A /	- /			
			SE	SE		BENNETT, CRAIG A	A47-02159F / 3.0	47-02159F / 5.0			
			SE	SE		PREADER, LESTER G	A47-02159Q / 4.0	- /			
			SE	SE		PREADER, LESTER G	R47-02159Q / 4.0	- /			
			SE	SE		RING, ROBERT W	A47-02159AF / 15.0	- /			
			SE	SE		BENNETT, CRAIG A	R47-07435B /	- /			
			SE	SE		MC LEMORE, STEPHEN W	A47-02159AB / 3.0	- /			
			SE	SE		STEWART, PATRICIA	A47-02159E / 5.0	- /			
			SE	SE		LARSEN, NELS		47-02159B / 35.0			
			SE	SE		HANSEN, MRS. RASMUS		47-02159C / 35.0			
			SE	SE		RING, ROBERT W.		47-02159G /			
			SE	SE		RING, ROBERT W.		47-04306 / 14.0			
			SE	SE		RING, ROBERT W		47-07435 /			
			SE	SE		BURGESS, HAROLD C.		47-07959 /			
			SE	SE		PREADER, LESTER G		47-08318 / 3.5			
08S	14E	30	SE	SE		BENNETT, CRAIG A	A47-07435B /	- /		33.0	
			SE	SE		RING, ROBERT W	A47-07435A /	- /			
			SE	SE		BENNETT, CRAIG A	A47-02159F / 3.0	47-02159F / 5.0			
			SE	SE		PREADER, LESTER G	A47-02159Q / 4.0	- /			
			SE	SE		PREADER, LESTER G	R47-02159Q / 4.0	- /			
			SE	SE		RING, ROBERT W	A47-02159AF / 15.0	- /			

PER SUBDIVISION
PLAT COMPARED
TO ORTHO PHOTO
BB-20
Lot 21B is in
these SE of sec 30

NOV 28 1996

TWP	RNG	SEC	1/4	1/4	LOT	NAME	AJ #/ACRES	WR #/ACRES	LANDSAT DATA	FIELD EXAM.	RECOMM. ACRES
		SE	SE			BENNETT, CRAIG A	R47-07435B /	- /			
		SE	SE			MC LEMORE, STEPHEN W	A47-02159AB/ 3.0	- /			
		SE	SE			STEWART, PATRICIA	A47-02159E / 5.0	- /			
		SE	SE			LARSEN, NELS		47-02159B / 35.0			
		SE	SE			HANSEN, MRS. RASMUS		47-02159C / 35.0			
		SE	SE			RING, ROBERT W.		47-02159G /			
		SE	SE			RING, ROBERT W.		47-04306 / 14.0			
		SE	SE			RING, ROBERT W		47-07435 /			
		SE	SE			BURGESS, HAROLD C.		47-07959 /			
		SE	SE			PREADER, LESTER G		47-08318 / 3.5			

ADDITIONAL POU FOUND

TOTAL ACRES A47-07435B

99.00

POU COUNTY: TWIN FALLS

C. IS WATER USAGE FOUND IN TRACTS OTHER THAN THOSE CLAIMED?

Y() N(X)

* IF YES, ARE THESE TRACTS LISTED ABOVE (), OR ARE THEY LISTED ON AN ATTACHED SHEET ()

LIST OF ALL RIGHTS WITH A SAME POU AND IRRIGATION USAGE

CLAIM NO.	SOURCE	NAME	DIV. RATE	DIV. RATE/ACRE	DIV. VOL.	DIV. VOL./ACRE
A47-02159AB	SALMON FALLS CREEK	MC LEMORE, STEPHEN W	0.060	0.020		
A47-02159AF	SALMON FALLS CREEK	RING, ROBERT W	4.660	0.031		
A47-02159E	SALMON FALLS CREEK	STEWART, PATRICIA	0.100	0.020		
A47-02159F	SALMON FALLS CREEK	BENNETT, CRAIG A	0.100	0.033		
A47-02159Q	SALMON FALLS CREEK	PREADER, LESTER G	0.100	0.020		
R47-02159Q	SALMON FALLS CREEK	PREADER, LESTER G	0.100	0.020		

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

CLAIM NO.	PURPOSES	NAME	MONTH/DAY	RATE	VOLUME
A47-07435B	DOMESTIC	BENNETT, CRAIG A	FROM 01-01 TO 12-31	0.040 CFS	

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CLAIM NO.	PURPOSES	NAME	MONTH/DAY	RATE	VOLUME
A47-07435B	HEATING	BENNETT, CRAIG A	FROM 01-01 TO 12-31	0.020 CFS	
A47-07435B	RECREATION	BENNETT, CRAIG A	FROM 01-01 TO 12-31	0.020 CFS	
A47-07435A	RECREATION	RING, ROBERT W	FROM 01-01 TO 12-31	0.140 CFS	
A47-07435A	DOMESTIC	RING, ROBERT W	FROM 01-01 TO 12-31	0.114 CFS	
A47-07435A	HEATING	RING, ROBERT W	FROM 01-01 TO 12-31	0.140 CFS	
A47-02159Q	STOCKWATER	PREADER, LESTER G	FROM 01-01 TO 12-31	0.020 CFS	
R47-02159Q	STOCKWATER	PREADER, LESTER G	FROM 01-01 TO 12-31	0.020 CFS	
R47-07435B	DOMESTIC	BENNETT, CRAIG A	FROM 01-01 TO 12-31	0.016 CFS	0.60 AF/A
R47-07435B	HEATING	BENNETT, CRAIG A	FROM 01-01 TO 12-31	0.020 CFS	2.00 AF/A
R47-07435B	RECREATION	BENNETT, CRAIG A	FROM 01-01 TO 12-31	0.020 CFS	1.30 AF/A

D. ARE OTHER WATER RIGHTS USED FOR THE SAME PURPOSE?

Y() N(☒)

* IF YES, COMPLETE OVERLAP REVIEW:

OTHER RIGHTS LISTED IN CLAIM: NONE

E. IS THE CLAIMED POU THE SAME AS DESCRIBED IN THE WATER RIGHT FILE?

N/A() Y(☒) N()

* IF NO, AND IF THE CHANGE IS VERIFIED AS AN ACCOMPLISHED CHANGE IN POU, DESCRIBE THE INJURY ANALYSIS PERFORMED AND ENTER FLAG "C" WITH THE APPROPRIATE EXPLANATORY CODE.

F. CAN THE CLAIMED POU BE VERIFIED USING THE WATER RIGHT FILE AND AVAILABLE AERIAL PHOTOS?

N/A() Y(☒) N()

G. SHOULD THE CLAIMED POU BE VERIFIED BY FIELD EXAM?

Y() N(☒)

H. IS THERE ANY INDICATION THAT THERE HAS BEEN A FIVE YEAR PERIOD OF CONTINUOUS NONUSE OF THIS RIGHT, OR ANY PORTION OF THIS RIGHT?

Y() N(☒)

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CHECK DOCUMENTS USED TO VERIFY POU: () ORTHOPHOTOQUAD, IDWR NO. BB-20; () TOPOGRAPHIC QUAD, IDWR NO. _____;

() NAPP, IDWR NO. BB-20 NW; () ASCS PHOTO; () OTHER _____

NOTES: SUBDIVISION PLAT FOR SALMON RIVER RANCHES
TWIN FALLS CO. RURAL ADDRESSING ~~PLAT~~^{SHT} # 705

the claimed P/U matches the found P/U during the
licensing field exam. I compared the available maps with
the field exam and concur.

RECOMMENDATIONS:

TOTAL ACRES: N/A N/A()

REVIEWED BY: KKC

DATE: 12-1-95

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A. AJ CLAIMED USES:

PURPOSE OF USE	PERIOD OF USE (MONTH/DAY)	DIV. RATE FOR EACH USE	DIV. VOL. FOR EACH USE
A47-07435B DOMESTIC	FROM 01-01 TO 12-31	0.040 CFS	
A47-07435B HEATING	FROM 01-01 TO 12-31	0.020 CFS	
A47-07435B RECREATION	FROM 01-01 TO 12-31	0.020 CFS	
TOTAL DIVERSION RATE/VOLUME		0.040 CFS	

B. WR RECORDED USES:

PURPOSE OF USE	PERIOD OF USE (MONTH/DAY)	DIV. RATE FOR EACH USE	DIV. VOL. FOR EACH USE
47-07435 RECREATION	FROM 01-01 TO 12-31	0.160 CFS	10.60 AF/A
47-07435 DOMESTIC	FROM 01-01 TO 12-31	0.130 CFS	4.80 AF/A
47-07435 HEATING	FROM 01-01 TO 12-31	0.160 CFS	16.20 AF/A
TOTAL DIVERSION RATE/VOLUME		0.200 CFS	31.60 AF/A

C. DOES THE CLAIMED PURPOSE OF USE CORRECTLY DESCRIBE THE WATER USE?

Y(☒) N(☐)

D. IS THE CLAIMED PURPOSE OF USE THE SAME AS DESCRIBED IN THE WATER RIGHT FILE?

N/A(☐) Y(☐) N(☒)

* IF NO, AND IF THE ACTUAL WATER USE IS VERIFIED AS AN ACCOMPLISHED CHANGE IN PURPOSE OF USE, DESCRIBE THE INJURY ANALYSIS PERFORMED AND ENTER FLAG "C" WITH THE APPROPRIATE EXPLANATORY CODE.

E. SHOULD THE CLAIMED PURPOSE OF USE BE VERIFIED BY FIELD EXAM?

Y(☐) N(☒)

F. DOES THE CLAIMED PERIOD OF USE CONFORM TO IDWR STANDARDS?

Y(☒) N(☐)

G. SHOULD THE PERIOD OF USE BE RECOMMENDED TO IDWR STANDARDS?

Y(☐) N(☐)

* IF THE RECOMMENDED PERIOD OF USE IS DIFFERENT THAN IDWR STANDARDS, EXPLAIN IN NOTES BELOW.

H. IS THE CLAIMED DIVERSION RATE FOR EACH USE THE SAME AS DESCRIBED IN THE WATER RIGHT FILE?

N/A(☐) Y(☐) N(☒)

* IF NO, DESCRIBE IN NOTES BELOW HOW THE RECOMMENDED DIVERSION RATE FOR EACH USE WAS DETERMINED.

I. SHOULD THE CLAIMED DIVERSION RATE FOR EACH USE BE VERIFIED BY FIELD EXAM?

N/A(☐) Y(☐) N(☒)

J. IS THE CLAIMED DIVERSION VOLUME FOR EACH USE THE SAME AS DESCRIBED IN THE WATER RIGHT FILE?

N/A(☐) Y(☒) N(☒)

* IF NO, DESCRIBE IN NOTES BELOW HOW THE RECOMMENDED DIVERSION VOLUME FOR EACH USE WAS DETERMINED.

K. SHOULD THE CLAIMED DIVERSION VOLUME FOR EACH USE BE VERIFIED BY FIELD EXAM?

N/A(☐) Y(☐) N(☒)

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NOTES:

the claim was filed prior to the licensing field exam and reflected a split of the permit rates

I am recommending the uses based upon a ~~split~~ proportional split of the licensed amounts (total lot usage licensed is 8) on a $\frac{1}{8}$ th share. see attached Split analysis & Recommendation For 47-07435 attachment dated 11-30-95.

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AJ CLAIM TOTAL DIVERSION RATE: 0.040 CFS

WR ROOT RIGHT TOTAL DIVERSION RATE: 0.200 CFS

A. IS THE CLAIMED TOTAL DIVERSION RATE THE SAME AS DESCRIBED IN THE WATER RIGHT FILE?

N/A() Y() N(☒)

B. CAN THE CLAIMED TOTAL DIVERSION RATE BE VERIFIED USING THE WATER RIGHT FILE?

N/A() Y(☒) N()

* ALL CLAIMS BASED ON BENEFICIAL USE (INCLUDING POSTED NOTICES AND STATUTORY CLAIMS) REQUIRE A FLOW MEASUREMENT.

C. IS THERE ANY INDICATION THAT THERE HAS BEEN A FIVE YEAR PERIOD OF CONTINUOUS NONUSE OF THIS RIGHT, OR ANY PORTION OF THE DIVERSION RATE?

Y() N(☒)

* IF AN AMOUNT SMALLER THAN THE ORIGINAL DIVERSION RATE IS CLAIMED AND A FIELD EXAM IS NOT REQUIRED, EXPLAIN IN NOTES.

D. SHOULD THE CLAIMED DIVERSION RATE BE VERIFIED BY FIELD EXAM?

Y() N(☒)

E. FLOW MEASUREMENT

MEASUREMENT METHOD

See licensing field exam memo dated May 26, 1988 (Attached)
SEE ATTACHED CALCULATIONS.

F. RATE/VOLUME CALCULATIONS: (IRRIGATION)

1a. IRRIGATION RATE

ACRES N/A x 0.02 CFS/ACRE = CFS
(Taken from pou review)

1b. CALCULATIONS

IS A DIVERSION RATE PER ACRE GREATER THAN 0.02 CFS/ACRE CLAIMED? Y() N()

IF YES, IS AN ADDITIONAL WATER USE FORM FILED AND ATTACHED? Y() N()

2. IRRIGATION DIVERSION VOLUME

CLAIMED DIVERSION VOLUME = AF/A

ACRES x DIVERSION VOL. AF/A FOR AREA =

TOTAL DIVERSION VOLUME AF/A

3. IRRIGATION CONSUMPTIVE USE

CLAIMED CONSUMPTIVE USE = AF/A

ACRES x CONSUMPTIVE VOL. AF/A FOR AREA =

TOTAL CONSUMPTIVE USE AF/A

4. CALCULATIONS FOR USES OTHER THAN IRRIGATION: SEE BELOW () OR SEE ATTACHMENT (☒)

*Split Analysis & Recon.
For 47-07435
dated 11-30-95*

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NOTES: Recommend at proportionate share for 1 lot
but identify system capacity in remarks
under comb system remarks.

WR RECORD CONDITIONS/REMARKS:

Domestic use is for 8 homes.

DOM = 1 home, 1 pool, with heating.

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RECOMMENDATIONS: CHECK HERE IF RECOMMENDED AS CLAIMED ()

REC. PURPOSE OF USE	REC. PERIOD FROM TO		REC. DIV RATE CFS		REC. DIV VOL. AF/A		REC. CONS. USE	
			DATABASE	EXAMINER	DATABASE	EXAMINER	DATABASE	EXAMINER
DOMESTIC	01-01	12-31	0.040	.026		24FA	0.0	
HEATING	01-01	12-31	0.020	.02		~~24FA~~ 6	0.0	
RECREATION	01-01	12-31	0.020	.02		1.38	0.0	
TOTAL FOR THIS RIGHT				.025		4		

NON-IRRIGATION USES CLAIMED: D/ 1 HOUSE G/ HEATING R/ POOL

NON-IRRIGATION USES RECOMMENDED: CHECK HERE IF RECOMMENDED AS CLAIMED (✓)

REVIEWED BY: KKC

DATE: 12-1-95

FLAG: _____

STANDARD CONDITIONS (CODE):

STANDARD REMARKS (CODE): FØ6 #7-07435A & 47-07435B
JØ1 21-B Badmon River Ranches Sat. Ls.
BØ1 well #2
EØ1 modified for dom/heat/rec. see Attached split analysis for values.

EXPLANATORY CONDITIONS (CODE):

EXPLANATORY REMARKS (CODE):

NOV 28 1996

A. CHECK ONLY THE FOLLOWING THAT APPLY:

	ACCEPTED AS CLAIMED	NEEDS REVIEW
OWNERSHIP _____	☒	☐
FORFEIT/ABANDON _____	☐	☐
ADDITIONAL DIV. AMOUNT _____	☐	☐

B. SPLIT WATER RIGHT REVIEW

ROOT WATER RIGHT NUMBER: 47-07435

TOTAL DIVERSION RATE OF WR SPLITS DATABASE 0.200 EXAMINER _____ CFS

SPLITS:

OLD RIGHT NUMBERS	CURRENT CLAIM NUMBERS	DIVERSION RATE	CURRENT "R" CLAIM NUM.	"R" DIV. RATE	WR RIGHT NUMBERS	DIVERSION RATE
-	A47-07435A	0.180	R47-07435B	0.025	47-07435	0.200
-	A47-07435B	0.040				
TOTAL CFS		0.220		0.025		0.200

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 DESCRIBED BELOW () OR SEE ATTACHMENT ()?

DATABASE FIELD
N EXAMINER
Y() N()

NOTES:

See Attached split review.

AUTHENTICATION:

SIGNATURE: _____ DATE: _____

NAME OF FIELD EXAMINER: _____ TITLE: _____

NOV 28 1996

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 <u>1974</u> IDWR ID NO. <u>BB-20</u>	Y() N(☒)
☐ TOPOGRAPHIC	DATE FIELD CHECKED <u>8</u> IDWR ID NO. _____	Y() N()
☒ NAPP	DATE OF PHOTO <u>8-1-88</u> IDWR ID NO. <u>BB-20 NW</u>	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 <u>PART OF LIC. FIELD EXAM SHT UNK</u>	Y(☒) N()
☒ OTHER <u>TWIN FALLS RURAL ADDRESSING</u>	DATE <u>UNK</u> <u>SHT 705</u>	Y() N()
☐ OTHER _____	DATE _____	Y() N()
☐ OTHER _____	DATE _____	Y() N()

LIST OF ATTACHMENTS (CHECK IF ATTACHED)	IF ATTACHED, SUPPLY APPROPRIATE INFORMATION	NO. OF PAGES	NOTES
☒ LICENSING FIELD EXAM	DATE OF FIELD EXAM <u>3-2-88</u>	<u>8</u>	<u>MOST PAGES EXTREMELY POOR MICROFICHE COPIES.</u>
☒ WATER RIGHT LICENSE	DATE LICENSE SIGNED <u>6-25-92</u>	<u>2</u>	
☐ IDWR APPROVED TRANSFER	DATE TRANSFER APPROVED _____	_____	
☐ SYSTEM DESCRIPTION	DATE DRAWN _____	_____	
☐ PHOTOGRAPHS	DATE(S) PHOTOS TAKEN _____	_____	
☒ SPLIT RIGHT REVIEW	DATE REVIEW COMPLETED <u>11-30-95</u>	<u>1</u>	<u>TITLED: Split Analysis & Recommendation for 47-7435</u>
☐ HUBBLE ANALYSIS	DATE ANALYSIS COMPLETED _____	_____	
☐ CONVEYANCE LOSS ANALYSIS	DATE ANALYSIS COMPLETED _____	_____	
☐ FLOW MEASUREMENT CALCULATIONS	DATE SYSTEM MEASURED _____	_____	
☐ OTHER _____	DATE _____	_____	
☐ OTHER _____	DATE _____	_____	

NOV 28 1996



IDAHO DEPARTMENT OF WATER RESOURCES
SOUTHERN REGION
222 SHOSHONE ST E
TWIN FALLS ID 83301
(208) 736-3033

PHILIP E BATT
GOVERNOR

KARL J DREHER
DIRECTOR

SPLIT ANALYSIS AND RECOMMENDATION FOR 47-07435

The right was licensed for eight (8) lots with one home per lot with heating and a small pool. The proportionate rates are calculated on a $\frac{1}{8}$ share for each element of the licensed amounts.

LICENSED FOR:

	<u>RATE</u>	<u>AFA</u>
Heating	0.16cfs	16.2afa
Domestic	0.13cfs	4.8afa
Recreation	<u>0.16cfs</u>	<u>10.6afa</u>
TOTAL	0.20cfs	31.6afa

PROPORTIONATE ELEMENTS

<u>RATE</u>		<u>AFA</u>
.16/8 = 0.02	cfs/unit	16.2/8 = 2.025 af/unit
.13/8 = 0.01625	cfs/unit	4.8/8 = 0.60 af/unit
.16/8 = 0.02	cfs/unit	10.6/8 = 1.325 af/unit
.20/8 = 0.025	cfs/unit	31.6/8 = 3.95 af/unit

CLAIMED IN THE ADJUDICATION AS:

A47-07435A for 7 lots

CLAIMED FOR:

	<u>RATE</u>
Heating	0.14cfs
Domestic	0.114cfs
Recreation	<u>0.14cfs</u>
TOTAL	0.18cfs

A47-07435B for one lot

CLAIMED FOR:

	<u>RATE</u>
Heating	0.02cfs
Domestic	0.04cfs
Recreation	<u>0.02cfs</u>
TOTAL	0.04cfs

RECOMMENDATION, BASED UPON A PROPORTIONATE SPLIT

RATE

Heating	.02	cfs/unit*7 = .14cfs
Domestic	.01625	cfs/unit*7 = .114cfs
Recreation	<u>.02</u>	<u>cfs/unit*7 = .14cfs</u>
TOTAL	.025	cfs/unit*7 = .175cfs

VOLUME

Heating	2.025	afa/unit*7 = 14.18afa
Domestic	0.6	afa/unit*7 = 4.2 afa
Recreation	<u>1.325</u>	<u>afa/unit*7 = 9.28afa</u>
TOTAL	3.95	afa/unit*7 = 27.65afa

RECOMMENDATION, BASED UPON A PROPORTIONATE SPLIT

RATE

Heating	.02	cfs/unit* 1 = .02 afa
Domestic	.01625	cfs/unit* 1 = .016 afa
Recreation	<u>.02</u>	<u>cfs/unit* 1 = .02 afa</u>
TOTAL	.025	cfs/unit* 1 = .025 afa

VOLUME

Heating	2.025	afa/unit* 1 = 2.0 afa
Domestic	0.6	afa/unit* 1 = 0.6 afa
Recreation	<u>1.325</u>	<u>afa/unit* 1 = 1.3 afa</u>
TOTAL	3.95	afa/unit* 1 = 4.0 afa

NOV 28 1996

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 47-07435

Priority: October 20, 1977

Maximum Diversion Rate: 0.20 CFS
Maximum Diversion Volume: 31.6 AF

This is to certify, that ROBERT W RING
E JUNE RING

RT 3 BOX 398
BUHL ID 833160000

has complied with the terms and conditions of the permit, issued pursuant to Application for Permit dated September 6, 1977; and has submitted Proof of Beneficial Use on December 17, 1987. An examination indicates that the works have a diversion capacity of .200 cfs of water from a GROUNDWATER source, and a water right has been established as follows:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE OF DIVERSION</u>	<u>ANNUAL VOLUME</u>
HEATING	01/01 to 12/31	0.16 CFS	16.2 AF
DOMESTIC	01/01 to 12/31	0.13 CFS	4.8 AF
RECREATION	01/01 to 12/31	0.16 CFS	10.6 AF
Totals		0.20 CFS	31.6 AF

LOCATION OF POINT(S) OF DIVERSION:

SESE, Sec. 30, Township 08S, Range 14E
TWIN FALLS County

PLACE OF USE: HEATING
TWN RGE SEC

08S 14E 30 NESE SESE

PLACE OF USE: DOMESTIC, same as HEATING use

PLACE OF USE: RECREATION, same as HEATING use

CONDITIONS/REMARKS:

1. The maximum diversion volume is defined as the maximum allowable volume of water that may be diverted annually from the source under this right. The use of water confirmed by this right is limited to the amount which can actually be beneficially used. The maximum diversion volume may be adjusted to more accurately describe the beneficial use or to implement accepted standards of diversion and use efficiency.
2. This water right is appurtenant to the described place of use.
3. This right is subject to all prior water rights and may be forfeited by five years of non-use.
4. Modifications to or variance from this license must be made within the limits of Section 42-222, Idaho Code, or the applicable Idaho law.

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PAGE 2

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 47-07435

CONDITIONS/REMARKS:

5. Domestic use is for 8 homes.

This license is issued pursuant to the provisions of Section 42-219, Idaho Code.
Witness the seal and signature of the Director, affixed at Boise, this 25th
day of JUNE, 1992.

Acting for R. Keith Higginson, Director

NOV 28

POOR ORIGINAL

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

DEC 06 1987

A. GENERAL INFORMATION

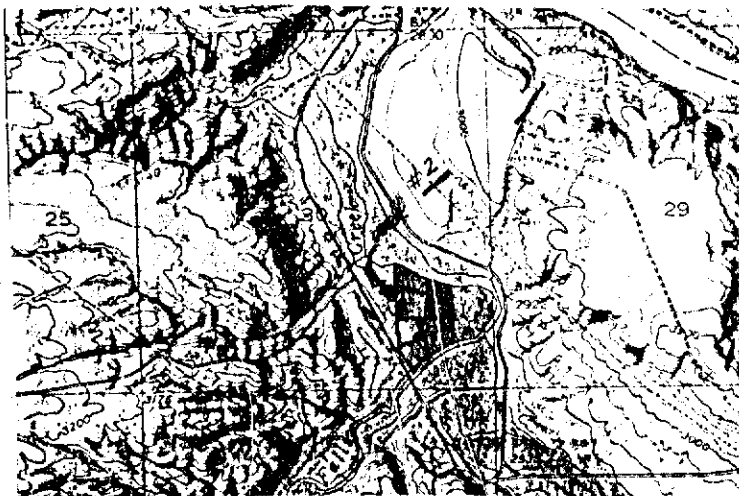
1. Owner: Adrian Permit No. 17-35
Current Address: _____ Phone No. _____
2. A. accompanied by: _____ EXAM DATE 3/2/1988
Address: _____ Phone No. _____
Relationship to Permit Holder: _____
3. Source: _____ tributary to: _____

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 well size, ditch size, pipe or as applicable. ☒ Alternative diagram attached



Scale: 1" = _____

2. ☐ Copy of U.S.G.S. Quadrangle Attached ☐ Aerial Photo Attached
Showing location(s) of point(s) of diversion and (required for irrigation of 10 acres or more).
place(s) of use (required)
☒ Photo of Diversion and System Attached
(required for all but single household domestic groundwater and stockwater)

NOV 28 1996

POOR ORIGINAL

Do not use this space

D. FLOW MEASUREMENTS

Additional Data Sheets Attached

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

2. Measurements:

See attached memo for use calculation
(5/26/88 memo)

No meas. made.

E. FLOW CALCULATIONS

Additional computation sheets Attached

1. Measured Method:

(See Attached 5/26/88 memo)

2. Alternate Method for Checking Purpose:

F. PUMP EFFICIENCY DATA (Optional)

N/A

Discharge Pressure _____ (1) Dynamic pumping (2) _____
 Total Head (1) + (2) _____ (3)
 Water HP: (3) x (4) = 8.8 _____ (5)
 Motor Input KW: 3.6 x _____ (6)
 Motor Input HP: (6) x 1.34 _____ (7)
 Panel Input KW _____ Ave PF _____ (8)
 Panel Input HP: (8) x 1.34 _____ (9)

G. VOLUME CALCULATIONS

1. Volume Calculations for area:

V = _____ (Acres) (meters) _____ (meters)

See Attached memo (5/26/88)

NOV 28 1996

System Description, continued

See Remarks on page 4 (a continuation)

1941 10
1942 1723

Art - low

*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
#2		NW	SE	SE	30	8S	14E	Wabash		Subs. from Plat 5
		F/D								located on Lot 16 B of Section 16, Range 8 North, Township 14 North, Range 8 North, Wabash County, Indiana.

6. Place(s) of Use:

Indicate Method of Determination

[illegible]

P/L map of ... Lots 16A, 16B, 17A, 17B
20A, 20B, 21A, 21B ... Salmon River
... Green ...
... R ...

စာမေးပွဲ အမှတ် (၈၈)၊ ၁၉၉၆

NOV 28 1996

MEMORANDUM

DATE: 26-May-1988

FROM: Allen Merritt

TO: Robert Rings' Field Exams 47-7425, 47-7426 and 47-7435

SUBJECT: Calculation of residential lot use of geothermal waters

The following estimate of water use for each residential subdivision lot developed and supplied water by one of Robert Rings' three wells is calculated as follows:

Assumptions:

1. Each lot will have a 3000 sq. ft. house of average insulation and a 200 sq. ft. non-commercial green house for use in connection with the residence. Both structures will be heated by the geothermal water.
2. Each lot will have a 10' X 10' X 4' recreational swimming pool which will be heated and filled by geothermal water.
3. Each lot will use the water for in-house culinary purposes.
4. No other primary uses of these waters will be developed. Other uses which will specifically not be primary uses will include: commercial, fish propagation, power, irrigation.

Based on the above assumptions the recommended beneficial uses are calculated as follows:

DOMESTIC

Based on the Admin. Memo #22

<u>Permit</u>	<u>No. Houses</u>	<u>Allow from Memo</u>	<u>Recommend rate & volume</u>
47-7425	4	0.10 cfs	0.10 cfs 2.4 afa
47-7426	5	0.11 cfs	0.08 cfs * 3.0 afa
47-7435	8	0.13 cfs	0.13 cfs 4.8 afa

* Limited by Permit Amt.

It is recommended that each residence be allowed 0.6 afa

HEAT

Heating House

Rate of Flow

Based on the Admin. Memo #23

S = geothermal source temp. = 161 to 151 deg.F.
Assume 145 deg.F delivered to lot accounting for loss

t = temp. required by system = 70 deg.F

NOV 28 1996

MEMORANDUM

DATE: 26-May-1988

$$\Delta T = (.6)(S-t) = (.6)(145-70) = 45 \text{ deg.F}$$

From Table 1 of Memo #23 assuming 70 deg.F design temp. and average insulation $e = 47 \text{ Btu/ft}^2/\text{hr.}$

Therefore: flow to heat typical 3000 ft² house is

$$W = (47)(3000)/(500)(45) = 6.27 \text{ gpm } 0.014 \text{ cfs}$$

Volume

V= annual volume (afa)

HL= peak heating load (same as $e \times \text{ft}^2$ above = Btu/hr)

DD= annual heating degree days (Est. 6000 for this area)

Cd= empirical correction factor (.85 greenhouse, .62 house)

delta t1= inside-outside temp. (same as design temp. above)

delta t2= incoming-outgoing water temp (same as delta T above)

k =system effc.(assume .90)

C= unit conversion (2.72×10^6 for afa)

$$V = \frac{(HL)(DD)(24)(Cd)}{(\Delta t_1)(k)(C)(\Delta t_2)}$$

$$V = \frac{(47)(3000)(6000)(24)(.62)}{(70)(.90)(2.72 \times 10^6)(45)} = 1.63 \text{ afa}$$

Heating GreenhouseRate of Flow

Based on information from Oregon Inst. Geo Heat Center
Assuming 1 layer of glass with 2 changes of air/hr with 5 mph winds
with 1.5 to 1 wall to floor ratio and $t = 60 \text{ deg.F}$

Therefore $e = 120 \text{ Btu/ft}^2/\text{hr}$

$$\Delta T = (.6)(S-t) = (.6)(145-60) = 51$$

Therefore: flow to heat typical residential greenhouse is

$$W = (120)(200)/(500)(51) = 0.94 \text{ gpm ... } 0.003 \text{ cfs}$$

Volume

$$V = \frac{(120)(200)(6000)(24)(.85)}{(60)(.90)(2.72 \times 10^6)(51)} = 0.39 \text{ afa}$$

TOTAL HEAT REQUIREMENT

$$\text{Total heat rate} = 0.014 + 0.003 = 0.02 \text{ cfs/house}$$

NOV 28 1996

MEMORANDUM

DATE: 26-May-1988

Total heat volume = 1.63 afa + 0.39 afa = 2.02 afa/house

RECREATION

Assume capacity required to heat and supply water to pool is based on waste or return water from heating house and greenhouse plus any additional makeup water during non-heating season. Therefore total recreation diversion rate equal to heating capacity for residence.

Therefore: recreation rate = 0.02 cfs/house

Volume

Assume 1 change of water in pool/day NOTE: That IDH&W standards for public swimming pools require 1 change of water every 6 hrs. In discussing this with Gary Burkett of the Div. of Environment he indicated that in a private pool with limited use 1 change/day was reasonable.

$$V = \frac{(10 \times 10 \times 4)(365)}{43560} = 3.35 \text{ afa}$$

Therefore: recreation volume exclusive of heat volume =
3.35 - 2.02 = 1.33 afa/house

Summary

	<u>47-7425</u>	<u>47-7426</u>	<u>47-7435</u>
Number of Houses	4	5	8
Domestic	0.10 cfs 2.4 afa	0.08 cfs * 3.0 afa	0.13 cfs 4.8 afa
Heating	0.08 cfs 8.1 afa	0.08 cfs * 10.1 afa	0.16 cfs 16.2 afa
Recreation	0.08 cfs 5.4 afa #	0.08 cfs * 6.7 afa #	0.16 cfs 10.6 afa #
Max Total Rate	0.18 cfs	0.08 cfs *	0.20 cfs *
Recommended	15.9 afa	19.8 afa	31.6 afa

* limited by amt. filed on

exclusive of heat volume also used for recreation during heating season.

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