



NAME: JONES

CLAIM: 72-00171

CORRESPONDENCE

EVIDENCE OF

PRIORITY



See attached claim

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: A72-00171
Date Received: 1/10/1990
Receipt No: 5010912
Received By: Ad

NOTICE OF CLAIM TO A WATER RIGHT
ACQUIRED UNDER STATE LAW

1. Name: VERL JONES
Address: H.C. 82 BOX 4020
CHALLIS, ID 83226

AND/OR

Name: TUDDIE JONES
Address: H.C. 82 BOX 4020
CHALLIS, ID 83226

2. Date of Priority: MAY 01, 1898

3. Source: MORGAN CREEK Trib. to: SALMON RIVER

4. Point of Diversion:

Township	Range	Section	1/4 of	1/4 of	1/4	Lot	County
17N	19E	20	SE	SW			CUSTER
		29	NW	SW			CUSTER
		31	SE	NE			CUSTER

5. Description of diverting works:
THREE CHECKDAMS TO EARTHEN DITCHES FOR FLOOD IRRIGATION

6. Water is used for the following purposes:

Purpose	From	To	C.F.S	(or)	A.F.A.
IRRIGATION	04/01	11/01	1.500		

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

8. Total consumptive use is 405.0 Acre Feet Per Annum.

9. Non-irrigation uses:
NONE

A72-00171

Page 1

Date: 01/10/90

MICROFILMED
MAR 18 1993

10. Place of Use:

Township	Range	Section	1/4 of	1/4	Lot	Use	Acres
17N	19E	29	SW	SW		IRR	11.0
						Section Acres	11.0
		30	SW	SE		IRR	11.0
			SE	SE		IRR	13.0
						Section Acres	24.0
		31	NE	NE		IRR	40.0
			NW	NE		IRR	15.0
			SW	NE		IRR	3.0
			SE	NE		IRR	34.0
			NE	SE		IRR	27.0
						Section Acres	119.0
		32	NW	NW		IRR	8.0
						Section Acres	8.0
						Total Acres	162.0

11. Place of use in counties: CUSTER

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

13. Other Water Rights Used:
A72-00172, A72-10412, A72-10413 & A75-02169

14. Remarks:
P. U. IS H. E. S. #70 AND SOME PUBLIC LAND OUTSIDE OF H. E. S.
#70 THAT HAS BEEN IRRIGATED FOR MANY YEARS UNDER SPECIAL USE.

15. Basis of Claim: DECREED

Case Number:

Court :

Decree date:

IVAN HUGHES ET AL
Decree Plaintiff

vs

VAL JONES ET AL
Decree Defendant

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: 2 Maps

For Individuals:

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

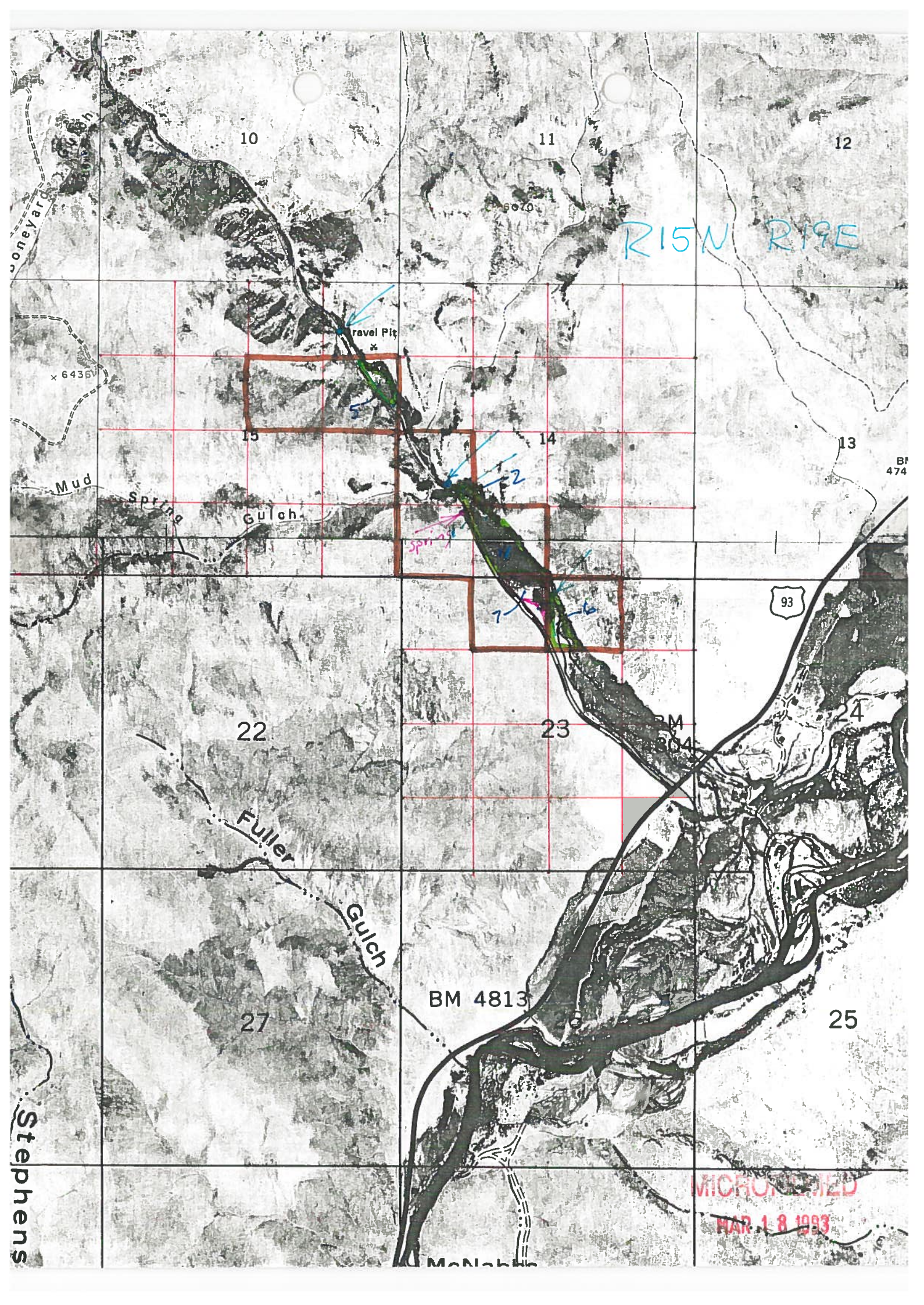
Signature of Claimant(s): Arl Jones Date: Jan 10 1990
Date:

State of Idaho)
County of Twin Falls) SS.

Subscribed and sworn (or affirmed) before me this 10th day
of Jan. 19 90
 [Signature]
Notary Public

Seal

Residing at Kimberly, ID.
My Commission Expires 6/30/98



10

11

12

R15N R19E

Travel Pit

x 6436

15

14

13

Mud

Spring

Gulch

Spring

7

6

22

23

BM 304

24

Fuller

Gulch

BM 4813

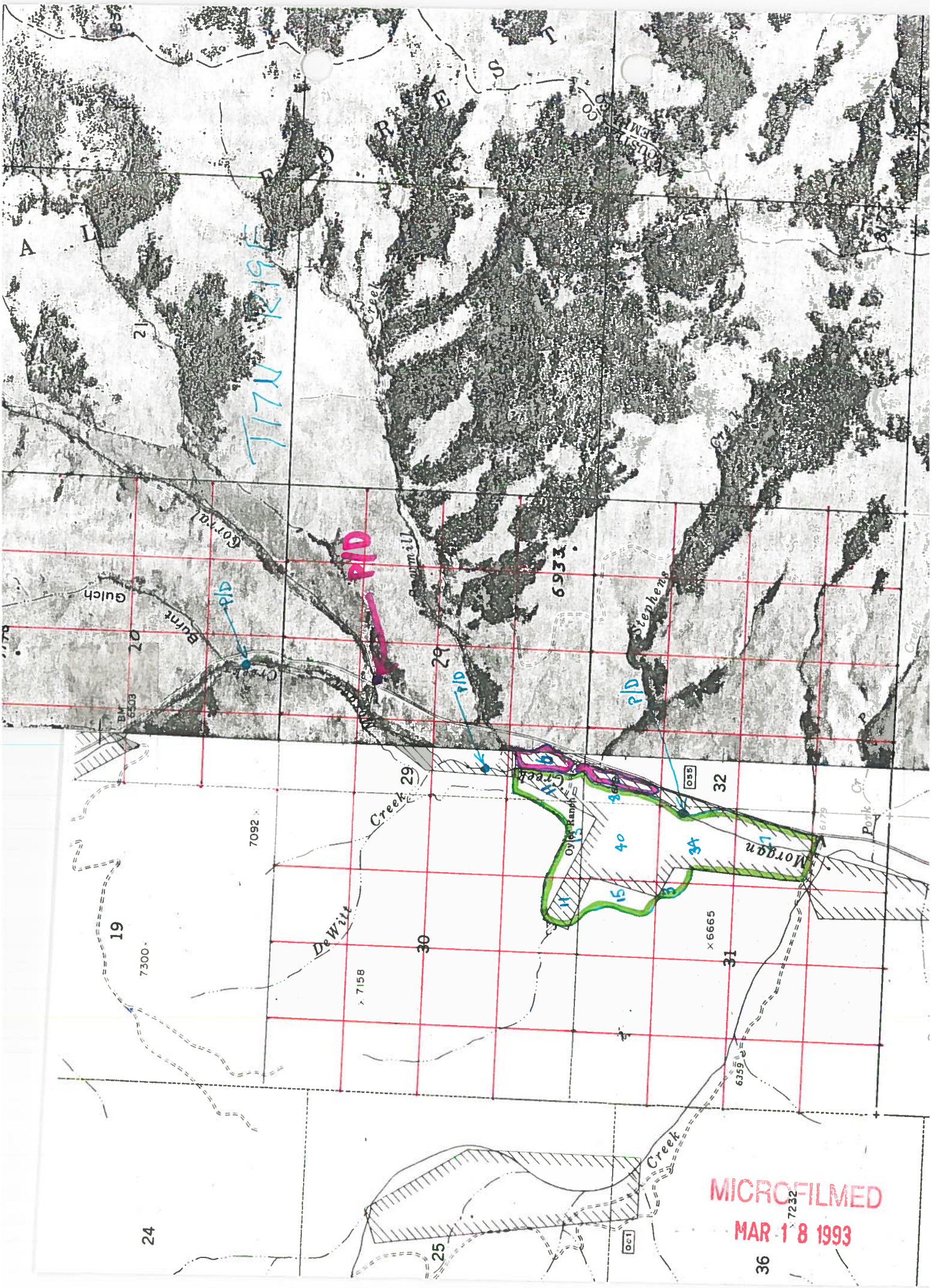
27

25

Stephens

MICROFILMED
MAR 18 1993

Monongahela



T17U R19E

P/D

P/D

P/D

P/D

MICROFILMED
MAR 18 1993

24

36

Cop. for Southern Region in
Attached w/ A72-00171 Basin 75

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: **A75-02169**
Date Received: 1/10/1990
Receipt No: 5010912
Received By: —

NOTICE OF CLAIM TO A WATER RIGHT
ACQUIRED UNDER STATE LAW

1. Name: VERL JONES
Address: H.C. 82 BOX 4020
CHALLIS, ID 83226

AND/OR

Name: TUDDIE JONES
Address: H.C. 82 BOX 4020
CHALLIS, ID 83226

2. Date of Priority: SEP 27, 1961

3. Source: OTTER CREEK

Trib. to: PANTHER CREEK

4. Point of Diversion:

Township	Range	Section	1/4 of	1/4 of	1/4	Lot	County
15N	19E	14	NW	SW		R	CUSTER
		15	NE	NE		R	CUSTER
		23	NW	NE		R	CUSTER
17N	19E	20	SE	SW		R	CUSTER
		29	NW	SW		R	CUSTER
		31	SE	NE		R	CUSTER
18N	19E	30	SE	SE			LEMHI

5. Description of diverting works:
DITCHES.

6. Water is used for the following purposes:

Purpose	From	To	C.F.S.	(or)	A.F.A.
IRRIGATION	04/01	11/01	4.000		

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

A.F.A.

8. Total consumptive use is 500.0 Acre Feet Per Annum.

A75-02169

Page

1

Date: 01/10/90

MICROFILMED
MAR 18 1993

9. Non-irrigation uses:
NONE

10. Place of Use:

Township	Range	Section	1/4	of	1/4	Lot	Use	Acres
15N	19E	14	NW		SW		IRR	2.0
			SW		SW		IRR	1.0
			SE		SW		IRR	17.0
							Section Acres	20.0
		15	SE		NE		IRR	5.0
								Section Acres
		23	NW		NE		IRR	6.0
			NE		NW		IRR	7.0
								Section Acres
		17N	19E	29	SW		SW	
								Section Acres
30	SW				SE		IRR	11.0
	SE				SE		IRR	13.0
							Section Acres	24.0
31	NE				NE		IRR	40.0
	NW				NE		IRR	15.0
	SW				NE		IRR	3.0
	SE				NE		IRR	34.0
	NE				SE		IRR	27.0
					Section Acres	119.0		
32	NW		NW		IRR	8.0		
						Section Acres	8.0	
					Total Acres	200.0		

11. Place of use in counties: CUSTER

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

13. Other Water Rights Used:

A72-00171, A72-00172, A72-10412, A72-10413 & A72-04198
A75-02169 Page 2 Date: 01/10/90

MICROFILMED

MAR 18 1993

14. Remarks:

WATER FROM OTTER CR. IS DELIVERED INTO MORGAN CR. PTS. OF
REDIVERSION FROM MORGAN CR.: NWSW, S29; SESW, S20; SENE,
S31; T17N, R19E; NWNE, S23; NWSW (2 PTS) S14, NENE, S15, T15N,
R19E.

15. Basis of Claim: LICENSE

Water Right Number: 30215

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: See App A72-00171

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): Carl Jones Date: Jan 10/1990
Date:

State of Idaho)

County of Twin Falls) SS.

Subscribed and sworn (or affirmed) before me this 10th day

of Jan. 19 90

Notary Public

Seal

Residing at

My Commission Expires 6/30/92

Water Right Number - R72-00171

Prefix Translation:

RESEARCH

Old (D) Number -

Last Name -

First Name -

Address -

*** C - CURRENT OWNER ***
JONES

VERL

VERIFIED BY *KKC*
11-10-98

JONES

TUDDIE

1 - HC 82 BOX 4020
2 -
3 -
City- CHALLIS
Phone - 208-000-0000
1 - HC 82 BOX 4020
2 -
3 -
City- CHALLIS
Phone - 208-000-0000

State- ID Zip- 83226

Priority Date - +
05/01/1898

Region - +
17 SOUTHERN

Stage - +
D - DECREED

Status - +

Source - +
MORGAN CREEK

Tributary - +
SALMON RIVER

Twn Rng Sec Tract Lot RFlg County Point of Diversion

17N 19E 20 SE SE SW (37) CUSTER
29 NW SW SW (37) CUSTER
32 NW SW NW (37) CUSTER

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

01 - IRRIGATION

04/15

10/15

1.500

+ - Total Div. Rate - + + - Total Div. Volume - +
1.500

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

Twn Rng Sec Tract Lot Acres Place of Use Code Description

County

17N	19E	29	SW SW	11.0	01	IRRIGATION	(37)	CUSTER
17N	19E	30	SW SE	9.0	01	IRRIGATION	(37)	CUSTER
17N	19E	30	SE SE	12.0	01	IRRIGATION	(37)	CUSTER
17N	19E	31	NE NE	41.0	01	IRRIGATION	(37)	CUSTER
17N	19E	31	NW NE	13.0	01	IRRIGATION	(37)	CUSTER
17N	19E	31	SW NE	1.0	01	IRRIGATION	(37)	CUSTER
17N	19E	31	SE NE	35.0	01	IRRIGATION	(37)	CUSTER
17N	19E	31	NE SE	27.0	01	IRRIGATION	(37)	CUSTER
17N	19E	32	NW NW	10.0	01	IRRIGATION	(37)	CUSTER
17N	19E	32	SW NW	3.0	01	IRRIGATION	(37)	CUSTER

Total Acres: 162.0

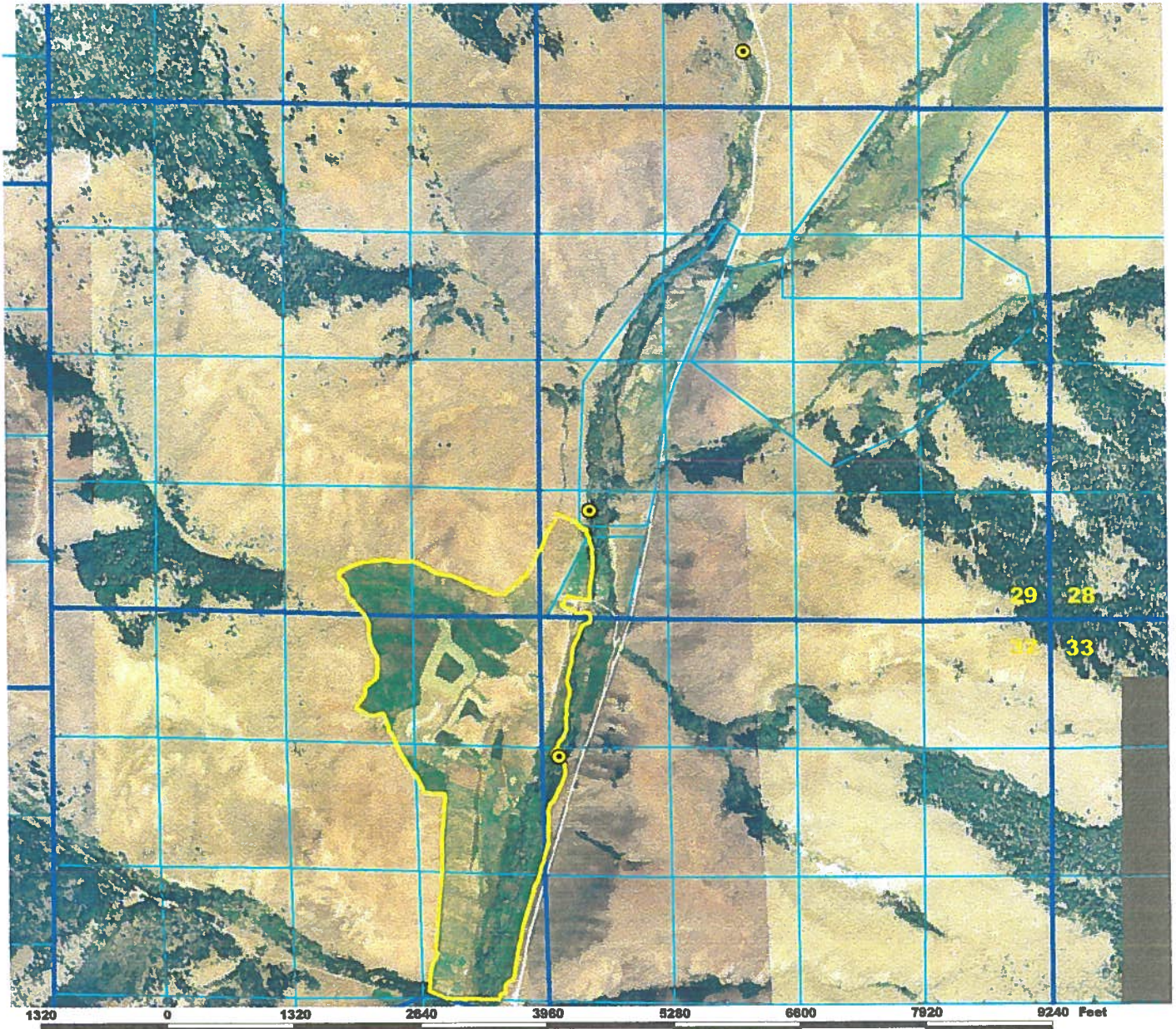
+ - - Diversion Means - THREE CHECKDAMS TO EARTHEN DITCHES FOR FLOOD IRRIGATION

*P/U includes
irrigated area
overlaid by USDA-F
has a new permit
HES Boundary A.T.
Available A.T.
to determine flow
area. KKC*

..... Remarks

Court Report Filing	-	00/00/0000	Field Inspection Made	-	08/03/1993	Civil Case Number	-
Objection Filed Date	-	00/00/0000	Field Inspection Flag	-		Old Case Number	-
Response Filed Date	-	00/00/0000	Verified Date	-	00/00/0000	Old Judicial District	-

**72-00171, 72-00172, 72-00173,
72-00174, 72-16108, & 75-02169
MORGAN CREEK RIGHTS
VERL JONES**



**RECOMMENDED PLACE OF USE
TWP 17N. RNG 19E,
SEC 29, 30, 31, & 32
data entry on August 1, 1998**



-  **RECOMMENDED POINT OF DIVERSION**
-  **RECOMMENDED PLACE OF USE**
-  **SECTION LINES**
-  **QUARTER/QUARTER LINES**

**GIS PLACE OF USE PRESENTATION
1992 USDA-F AERIAL PHOTOGRAPHY
DATA ENTRY BY KELLY K CHRISTENSEN**

CLAIM NUMBER
72-00171
72-00172
72-00173
72-00174
72-16108
75-02169

DATE
10-1-98

AGENT
KHC

TRANSFER NUMBER

CLAIMED ACRE TOTAL
162

GIS ACRE TOTAL
162

	TWP	RNG	SEC	NE				NW				SW				SE			
				NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE
CLAIM	17N	19E	29											11					
GIS			29											10.9					
RECOM														11					11
CLAIM	17N	19E	30															11	13
GIS																	8.6	12	
RECOM																	9	12	21
CLAIM	17N	19E	31	40	15	3	34									27			
GIS				41.1	12.8	3	35									26.8			
RECOM				41	13	1	35									27			117
CLAIM	17N	19E	32						8	10									
GIS									9.6	30									
RECOM									10	3									13

B72-DBPOU.SHP

SHAPE NOS.
94

B72-DBPOD.SHP

NOS.
DESCRIPTION

31
Sec 20 SESESW

32
Sec 29 NWSWSW

33
Sec 32 NWSWNW

DBF TABLES UPDATED

B72-DBPOU.DBF
10-2

B72-DBPOD.DBF
1'

Recommendation Review 10-2-98

Based upon GIS acres were shifted in some Q Q's but the overall P/U was not changed.

The legals for some P/D's were also corrected based upon the GIS system.

The revised Hubble Analysis continued to indicate a required diversion rate that is in excess of the combined claimed rates and the system capacity. The limiting factor is still the system capacity, therefore the div rates were not adjusted.

KKC



KELLY K CHRISTENSEN
SR WATER RESOURCE AGENT
IDAHO DEPT OF WATER RESOURCES
SOUTHERN REGION

RE-EVALUATION OF IRRIGATION RATES BASED UPON 1997 REVISED HUBBLE ANALYSIS PROCEDURES

CLAIM NUMBERS

72-00171, 72-00172, 72-00173
72-00174, 72-16108, & 75-02169

DATE: 10-2, 1998

REVIEWED BY KKC

CHALLIS AREA SOIL REVIEW

SOIL TYPE	BORDER CFS/AC		FURROW CFS/AC		OPTIMUM ROTATION	
	PAST	ALFA	PAST	ALFA	PASTURE	ALFALFA
ATC	.15	.13			6.49	7.62
BB1	.09	.09			6.09	6.17
BBD						
BC1	.16	.17			5.82	5.46
BK1	.07	.06			10.62	11.86
BT1	.18	.16			3.99	4.19
BT2	.41	.32			2.34	2.87
CB1	.06	.06			11.55	13.47
CHA	.21	.21			4.52	4.76
CP1	.36	.36			2.61	2.78
DB1	.13	.11			5.66	6.65
DBB	.13	.11			5.71	6.69
DBC	.13	.11			5.71	6.69
DMF	.18	.21			5.12	4.72
DT2	.05	.04			12.46	16.50
DWA	.14	.14			4.79	5.01
G01	.10	.12			12.47	10.51
HAYSE						
KEG	.08	.07			8.73	10.06
MUG	.15	.14			4.54	4.98
NDL	.13	.12			5.30	6.06

SOIL TYPE	BORDER CFS/AC		FURROW CFS/AC		OPTIMUM ROTATION	
	PAST	ALFA	PAST	ALFA	PASTURE	ALFALFA
PD2	.11	.12			5.15	4.74
RE2	.29	.21			3.15	4.74
RP1	.19	.21			4.89	4.57
SH1	.06	.05			9.37	12.10
SOC	.08	.07			7.38	8.08
SSA	.15	.14			4.79	5.01
SXF	.12	.11			6.14	6.80
TC1	.06	.06			9.82	9.55
TD1	.04	.03			12.46	16.50
WB2	.13	.13			5.37	5.43
WAA	.19	.16			3.81	4.23
WBB	.17	.14			3.36	3.84
WC1	.07	.06			11.24	13.45
WPT	.19	.15			3.16	3.69
WV1	.07	.06			11.24	13.45
XHS						
YN1	.18	.14			5.38	6.92

The rate per acre calculations are based upon a 300 foot run at a 2% slope. An 8 hour set time was also used. Individual graded border evaluations, soil characteristics work sheets, and peak irrigation diversion requirement work sheets have been created and archived separately for each soil type.

Where actual rotation is shorter than the optimal rotation, optimal rotation is the criteria to be used for the recommendation analysis and, therefore, the rotation percentage adjustment is not necessary. The rate becomes the acres per soil type times the rate per acre from the above chart.

SOIL TYPE	OPTIMAL ROTATION / (chart)	ACTUAL ROTATION / (field)	ACRES PER SOIL TYPE (field)	RATE PER ACRE (chart)	TOTAL DIVERSION RATE
BC1	5.82	10	162	.16	15.08 CFS
					CFS
					CFS
					CFS

TOTAL ACRES _____

DECREED RATE = _____

CLAIMED DIVERSION RATE = _____

MEASURED DIVERSION RATE = _____



State of Idaho

DEPARTMENT OF WATER RESOURCES

1341 Fillmore Street, Suite 200, Twin Falls, ID 83301-3380

Phone: (208) 736-3033 FAX: (208) 736-3037

PHILIP E. BATT
GOVERNOR

KARL J. DREHER
DIRECTOR

January 10, 1997

Russ Camper
Challis Ranger District
H.C. 63
Box 1669
Challis, ID 83226

Dear Mr. Camper:

Pursuant to your recent request, I have enclosed copies of proof reports of Verl Jones' water rights out of Morgan Creek and Otter Creek. The proof reports I have enclosed, are based on "R-Records" for Mr. Jones' water rights. These records are summaries of the department's initial Snake River Basin Adjudication recommendation for Mr. Jones' water rights based on preliminary fieldwork. These recommendations have not yet been filed with the court, so they may be subject to possible changes. However, these records are the most current and accurate reflection of Mr. Jones' water rights. Please find the following proof reports enclosed:

R75-02169

This is the water right diverted out of Otter Creek and then used in the Morgan Creek drainage. Mr. Jones uses this water on two portions of land, upper (land within Township 17 North, Range 19 East) and lower (land within Township 15 North, Range 19 East).

R72-00171, R72-00172, R72-00173, R72-00174, and R72-16108

These water rights are used on the upper portion of land (within Township 17 North, Range 19 East) in the Morgan Creek drainage. The water diverted out of Otter Creek is also used with these rights.

R72-10412A, R72-10413A, and R72-16107

These water rights are used on the lower portion of land (within Township 15 North, Range 19 East) in the Morgan Creek drainage. The water diverted out of Otter Creek is also used with these rights.

January 10, 1997
Page 2

Hopefully these proof reports will provide you with the information that you need. If you have specific questions concerning these particular water rights, you may want to contact Kelly Christensen of this office. Mr. Christensen is the adjudication agent who conducted the field review for these particular water rights and he should be pretty familiar with them.

If you have any questions, feel free to contact this office at your convenience.

Sincerely,

A handwritten signature in cursive script, appearing to read "Corey Skinner".

Corey Skinner, EIT
Dam Safety Section

Enclosures

R PROOF



CVR



MAPS



PHOTOS



MISC



State of Idaho

DEPARTMENT OF WATER RESOURCES

Southern Region, 2148 4th Ave. East, Twin Falls, Idaho 83301 (208) 734-3578

CECIL D. ANDRUS
Governor

R. KEITH HIGGINSON
Director

05-Dec-1989 13:56

Verl Jones
H.C. 82 Box 4020
Challis, Idaho 83226

A72-00172
04188A
04188
04189
10412
10413

A72-00155
00156
00157
00171

RE: Snake River Basin Adjudication

Dear Mr. Jones:

10225-Netta

Please find enclosed proof reports for the water rights listed in your name in our water rights records. These water right proof reports are the ones in which the numbers are highlighted in red. As you may recall I told you that I could generate completed claim forms from our records however after reviewing the records it appears that the acres irrigated are not listed on many of the rights so I was not able to generate the claims as I previously indicated. Please note however, the proof reports should aid you in completing the forms which you were provided when we met in Challis.

Please also find enclosed two proof reports for claims already filed by Netta Jones in the adjudication. These proof reports are the ones in which the numbers are highlighted in blue. Netta's claims are based on two of the rights in which your name appears.

If you need further assistance in filing your claims I suggest that you schedule an appointment with either our office or the Idaho Falls office.

Sincerely,

Allen Merritt
Water Rights Supervisor

A75-02169

Encl:

MICROFILMED
NOV 01 1994

Water Right Number - R72-00171

Prefix Translation:

RESEARCH

Old (D) Number -

*** C - CURRENT OWNER ***
JONES
Last Name -
First Name -
Address -
VERL
1 - HC 82 BOX 4020
2 -
3 -
City- CHALLIS
Phone - 208-000-0000
1 - HC 82 BOX 4020
2 -
3 -
City- CHALLIS
Phone - 208-000-0000
State- ID Zip- 83226

VERIFIED BY KKC

JONES

TUDDIE

State- ID Zip- 83226

Priority Date - 05/01/1898
Region - 17 SOUTHERN
D - DECREED
Status -

Source - MORGAN CREEK
Tributary - SALMON RIVER

Point of Diversion -

17N 19E 20 NE SE SW (37) CUSTER
29 NW SW NW (37) CUSTER
32 NW SW NW (37) CUSTER

Code Description Period From Period To Water Use
01 - IRRIGATION 04/15 10/15 1.500
Diversion Rate Diversion Volume

Total Div. Rate - 1.500
Total Div. Volume -
Total Consumptive Use - 0.0
KW Usage -

Trm	Rng	Sec	Tract	Lot	Acres	Place of Use	Code	Description	County
17N	19E	29	SW SW		10.0	01	IRRIGATION	(37) CUSTER	
17N	19E	30	SW SE		11.0	01	IRRIGATION	(37) CUSTER	
17N	19E	30	SE SE		15.0	01	IRRIGATION	(37) CUSTER	
17N	19E	31	NE NE		40.0	01	IRRIGATION	(37) CUSTER	
17N	19E	31	NW NE		16.0	01	IRRIGATION	(37) CUSTER	
17N	19E	31	SW NE		2.0	01	IRRIGATION	(37) CUSTER	
17N	19E	31	SE NE		35.0	01	IRRIGATION	(37) CUSTER	
17N	19E	31	NE SE		25.0	01	IRRIGATION	(37) CUSTER	
17N	19E	32	NW NW		7.0	01	IRRIGATION	(37) CUSTER	
17N	19E	32	SW NW		1.0	01	IRRIGATION	(37) CUSTER	

Total Acres: 162.0

MICROFILMED
NOV 01 1994

MICROFILMED
MAR 01 1994

LAST: JONES
ADDRESS: H.C. 82 BOX 4020
CITY: CHALLIS
PHONE NUMBER: 208-000-0000

FIRST: VERL
STATE: ID ZIP: 83226

OWNER CODE: C

LAST: JONES
ADDRESS: H.C. 82 BOX 4020
CITY: CHALLIS
PHONE NUMBER: 208-000-0000

FIRST: TUDIE
STATE: ID ZIP: 83226

OWNER CODE: C

~~LAST: TURNER
ADDRESS:
CITY: XXX
PHONE NUMBER: 208-000-0000~~

FIRST: EST. OF GEORGE M.

OWNER CODE: 0

FIELD EXAM REQUIRED?
VERIFICATION REQUIRED DUE TO REMARKS?

FIELD
EXAMINER
DATABASE
Y

CLAIM REMARKS: P. U. IS H. E. S. #70 AND SOME PUBLIC LAND OUTSIDE OF H. E. S.
#70 THAT HAS BEEN IRRIGATED FOR MANY YEARS UNDER SPECIAL USE.

MICROFILMED

NOV 01 1994

CONTACT PERSON: Paul Jones

DATE OF FIELD EXAM: 8/3/93

ACCOMPANIED BY: _____

RELATIONSHIP TO CLAIMANT: _____

DIRECTIONS TO PROPERTY / REMARKS: _____

PHONE NUMBER: (____) _____

TIME: _____ A(____) P(____)

PHONE NUMBER: (____) _____

MICROFILMED

NOV 01 1994

A. AJ CLAIM: # A72-00171 PRIORITY DATE: 05-01-1898 STAGE: D

B. WR RECORD: # 72-00171 PRIORITY DATE: 05-01-1898 STAGE: D

C. FIELD EXAM REQUIRED? DATABASE N FIELD EXAMINER

DUE TO PRIORITY DATE DISCREPANCY? (Y/N)

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

REMARKS:

*claimed priority date matches desired date
Pls matches desired Pls therefore*

accept as claimed

RECOMMENDED PRIORITY DATE:

05-01-1898

REVIEWED BY

KKC

DATE 12-17-93

MICROFILMED
NOV 01 1994

A. AJ CLAIM POINT OF DIVERSION AND SOURCE:

RIGHT	TWP.	RGE.	SEC.	1/4	1/4	1/4	LOT	CNTY
A72-00171	17N	19E	20	NE	SE	SW		CUSTER
A72-00171	17N	19E	29	NW	SW	SW		CUSTER
A72-00171	17N	19E	31	NW	SW	SW		CUSTER

OTHER AJ CLAIMS WITH SAME AJ POD

A PREFIX R PREFIX
 A72-00172 NONE
 A72-10412
 A72-10413
 A75-02169

WR RECORDS IN SAME 40 ACRE TRACT

72-00172
 72-00173
 72-00174
 72-04185
 75-02169

SOURCE: MORGAN CREEK

TRIB: SALMON RIVER

B. WR POINT OF DIVERSION AND SOURCE:

RIGHT	TWP.	RGE.	SEC.	1/4	1/4	1/4	LOT	CNTY
72-00171	17N	19E	20		SE	SW		CUSTER
72-00171	17N	19E	29		NW	SW		CUSTER

OTHER WR RECORDS WITH SAME WR POD

72-00172
 72-00173
 72-00174
 72-04185
 75-02169

AJ CLAIMS IN SAME 40 ACRE TRACT

A PREFIX R PREFIX

NONE

SOURCE: MORGAN CREEK *OK*

TRIB: SALMON RIVER

OK

C. FIELD EXAM REQUIRED?

DUE TO POD DISCREPANCY? (Y/N) DATABASE FIELD EXAMINER
 DUE TO SOURCE DISCREPANCY? (Y/N) N *N*

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... U 1 1994

REMARKS:

Found P/D in Sec 20 As claimed, recommended in the NE 10th diagonal
 Found P/D in Sec 29 to be just north of claimed legal. recommended as NW 34 NW
 Found P/D in Sec 31 to be just east of claimed legal and actually in Sec 32, NW 34 NW

RECOMMENDED POINT(S) OF DIVERSION AND SOURCE:
 TWP. RGE. SEC. 1/4 1/4 LOT COUNTY

SOURCE: MORGAN CREEK OK

See Above

TRIP: SALMON RIVER OK

REVIEWED BY: KHC DATE: 12-17-93

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1994

A. ROOT WATER RIGHT NUMBERS:

A72-00171
A72-10412

A72-10413

Note Pair 75
Pair 75

B. POU LISTING

TWP	RNG	SEC	1/4	1/4	LOT	NAME	AJ #/ACRES	WR #/ACRES	LANDSAT DATA	FIELD EXAM.	RECOMM. ACRES
17N	19E	29	SW	SW		JONES, VERL	A72-00171 /11.0	72-00171 /		10	10
			SW	SW		JONES, VERL	A72-10412 /11.0	-			
			SW	SW		JONES, VERL	A72-00172 /11.0	72-00172 /			
			SW	SW		JONES, VERL	A72-041884 /6.0	-			
			SW	SW		JONES, VERL	A72-10413 /11.0	-			
			SW	SW		JONES, VERL	A75-02169 /11.0	-			
			SW	SW		TURNER, EST. OF GEORGE M.	72-00173 /	72-00173 /			
			SW	SW		TURNER, EST. OF GEORGE M.	72-00174 /	72-04185 /			
			SW	SW		JONES, VERL	72-04188 /6.0				
17N	19E	30	SW	SE		JONES, VERL	A72-00171 /11.0	72-00171 /		11	4
			SW	SE		JONES, VERL	A72-10412 /11.0	-			
			SW	SE		JONES, VERL	A72-00172 /11.0	72-00172 /			
			SW	SE		JONES, VERL	A72-10413 /11.0	-			
			SW	SE		JONES, VERL	A75-02169 /11.0	75-02169 /15.0			
			SW	SE		TURNER, EST. OF GEORGE M.	72-00173 /	72-00173 /			
			SW	SE		TURNER, EST. OF GEORGE M.	72-00174 /	72-04185 /4.0			
			SW	SE		JONES, VERL					
17N	19E	30	SE	SE		JONES, VERL	A72-00171 /13.0	72-00171 /		15	15
			SE	SE		JONES, VERL	A72-10412 /13.0	-			
			SE	SE		JONES, VERL	A72-00172 /13.0	72-00172 /			
			SE	SE		JONES, VERL	A72-10413 /13.0	-			
			SE	SE		JONES, VERL	A75-02169 /13.0	75-02169 /15.0			
			SE	SE		JONES, VERL	72-00173 /	72-00173 /			
			SE	SE		TURNER, EST. OF GEORGE M.	72-00174 /	72-00174 /			
			SE	SE		JONES, VERL	72-04185 /23.0				
17N	19E	31	NE	NE		JONES, VERL	A72-00171 /40.0	72-00171 /		40	40
			NE	NE		JONES, VERL	A72-10412 /40.0	-			
			NE	NE		JONES, VERL	A72-00172 /40.0	72-00172 /			
			NE	NE		JONES, VERL	A72-10413 /40.0	-			
			NE	NE		JONES, VERL	A75-02169 /40.0	75-02169 /40.0			
			NE	NE		JONES, VERL	72-00173 /	72-00173 /			
			NE	NE		TURNER, EST. OF GEORGE M.	72-00174 /	72-00174 /			
			NE	NE		JONES, VERL	72-04185 /39.0				
17N	19E	31	NE	NE		JONES, VERL	A72-00171 /15.0	72-00171 /		23	16
			NE	NE		JONES, VERL	A72-10412 /15.0	-			

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NOV 0 1 1994

TWP	RNG	SEC	1/4	1/4	LOT	NAME	AJ #/ACRES	WR #/ACRES	LANDSAT DATA	FIELD EXAM.	RECOMM. ACRES
17N	19E	31	SW	NE		JONES, VERL	A72-00172 / 15.0	72-00172 /			
			SW	NE		JONES, VERL	A72-10413 / 15.0	75-02169 / 25.0			
			SW	NE		JONES, VERL	A75-02169 / 15.0	72-00173 /			
			SW	NE		TURNER, EST. OF GEORGE M.	72-00174 /	72-00174 /			
			SW	NE		JONES, VERL	72-04185 / 1.0				
17N	19E	31	SW	NE		JONES, VERL	A72-00171 / 3.0	72-00171 /			5.0
			SW	NE		JONES, VERL	A72-10412 / 3.0	-			
			SW	NE		JONES, VERL	A72-00172 / 3.0	72-00172 /			
			SW	NE		JONES, VERL	A72-10413 / 3.0	-			
			SW	NE		JONES, VERL	A75-02169 / 3.0	75-02169 / 10.0			
			SW	NE		TURNER, EST. OF GEORGE M.	72-00173 /	72-00173 /			
			SW	NE		TURNER, EST. OF GEORGE M.	72-00174 /				
19E	31	SE	NE	NE		JONES, VERL	A72-00171 / 34.0	72-00171 /			34.0
			SE	NE		JONES, VERL	A72-10412 / 34.0	-			
			SE	NE		JONES, VERL	A72-00172 / 34.0	72-00172 /			
			SE	NE		JONES, VERL	A72-10413 / 34.0	-			
			SE	NE		JONES, VERL	A75-02169 / 34.0	75-02169 / 30.0			
			SE	NE		TURNER, EST. OF GEORGE M.	72-00173 /	72-00173 /			
			SE	NE		TURNER, EST. OF GEORGE M.	72-00174 /	72-00174 /			
			SE	NE		JONES, VERL	72-04185 / 29.0				
17N	19E	31	NE	SE		JONES, VERL	A72-00171 / 27.0	72-00171 /			28.0
			NE	SE		JONES, VERL	A72-10412 / 27.0	-			
			NE	SE		JONES, VERL	A72-00172 / 27.0	72-00172 /			
			NE	SE		JONES, VERL	A72-10413 / 27.0	-			
			NE	SE		JONES, VERL	A75-02169 / 27.0	75-02169 / 15.0			
			NE	SE		TURNER, EST. OF GEORGE M.	72-00173 /	72-00173 /			
			NE	SE		TURNER, EST. OF GEORGE M.	72-00174 /	72-00174 /			
			NE	SE		JONES, VERL	72-04185 / 12.0				
			NE	SE		JONES, VERL	72-04186 / 5.0				
17N	19E	32	SW	NE		JONES, VERL	A72-00171 / 8.0	72-00171 /			14.0
			SW	NE		JONES, VERL	A72-00172 / 8.0	72-00172 /			
			SW	NE		JONES, VERL	A72-10412 / 8.0	-			
			SW	NE		JONES, VERL	A72-04188A / 6.0	-			
			SW	NE		JONES, VERL	A72-10413 / 8.0	-			
			SW	NE		JONES, VERL	A75-02169 / 8.0	-			
			SW	NE		TURNER, EST. OF GEORGE M.	72-00173 /	72-00173 /			
			SW	NE		TURNER, EST. OF GEORGE M.	72-00174 /	72-00174 /			
			SW	NE		JONES, VERL	72-04185 / 19.0				
			SW	NE		JONES, VERL	72-04186 / 2.0				
			SW	NE		JONES, VERL	72-04188 / 6.0				
TOTAL ACRES							A72-00171	162.00			191.00

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Sec 32 SW NW 1 1

7 7

25 25

35 35

2 2

ARE IRRIGATED ACRES FOUND IN TRACTS OTHER THAN INDICATED ABOVE, Y(☒) N()
IF YES SEE ATTACHED SHEET.

C. FIELD EXAM REQUIRED?

DUE TO POU DISCREPANCY? (Y/N)

DATABASE
Y

FIELD
EXAMINER

POU COUNTY: CUSTER

PRESUMPTION FLAG: D

REMARKS:

Found same # of acres as claimed, however, based upon my determination of the location of the Q-Q lines I have slightly adjusted the acres to reflect these changes. The P14 is within HHS-170.

See Sys doc for add. analysis

RECOMMENDATIONS:

TOTAL ACRES: 162

REVIEWED BY: KKC

DATE: 12-17

Remark JDR

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NOV 01 1994

A. AJ CLAIMED USES:

PURPOSES
A72-00171 IRRIGATIONMONTH/DAY
FROM 04-11 TO 11-01
TOTAL DIVERSION RATE/VOLUME CLAIMEDDIVERSION QUANTITY
1.500 CFS
1.500 CFS

B. WR RECORDED USES:

PURPOSES
72-00171 IRRIGATIONMONTH/DAY
FROM TO
TOTAL DIVERSION RATE/VOLUME CLAIMEDDIVERSION QUANTITY
1.500 CFS
1.500 CFS

C. UPTION FLAG:

No operation for chg P/O.

C. FIELD EXAM REQUIRED?

DOE TO WATER-USE DISCREPANCY?	(Y/N)	DATABASE	FIELD EXAMINER
DOE TO DIVERSION RATE DISCREPANCY?	(Y/N)	N	N
DOE TO PERIOD FROM/TO DISCREPANCY?	(Y/N)	Y	4

D. PERIOD OF USE:

RECOMMEND AS CLAIMED?

RECOMMEND TO WR STANDARDS OR OTHER?

Y() N()
Y(X) N()

Explain in remarks, below.

REMARKS:

*claimed rate matches decreed rate**accept as claimed**See Sep Decr for add. Analysis*

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NOV 01 1994

A. DOES DIVERSION RATE CLAIMED AGREE WITH EXISTING RECORDS?

Y(☒) 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 REMARKS. **

FLOW MEASUREMENT REQUIRED?

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

FIELD DATABASE EXAMINED
Y ☒

MEASUREMENT METHOD

9.27 capacity

FLOW MEASUREMENT

, SEE ATTACHED CALCULATIONS.

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

OTHER RIGHTS LISTED IN CLAIM: A72-00172, A72-10412, A72-10413 & A75-02169

LIST ALL RIGHTS WITH A SAME POU AND IRRIGATION USAGE:

CLAIM NO.	SOURCE	NAME	DIV. RATE	DIV. RATE/ACRE	DIV. VOL.	DIV. VOL./ACRE
A72-00171	MORGAN CREEK	JONES, VERL	1.500	0.009		
A72-00172	MORGAN CREEK	JONES, VERL	0.700	0.004		
A72-04188A	CORRAL CREEK	JONES, VERL	0.630	0.052		
A72-10412	MORGAN CREEK	JONES, VERL	1.700	0.008		
A72-10413	MORGAN CREEK	JONES, VERL	1.000	0.005		
A75-02169	OTTER CREEK	JONES, VERL	4.000	0.020		

NO RIGHTS WITH SAME POU BUT NOT USED FOR IRRIGATION

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D. RATE/VOLUME CALCULATIONS: (IRRIGATION)

13. IRRIGATION RATE $\times$ 0.02 CFS/ACRE = 3.24 CFS

ACRES 16.2 (taken from p/u review)

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

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

2. IRRIGATION CONSUMPTIVE USE

CLAIMED CONSUMPTIVE USE = 405.0 AF/A

ACRES $\times$ CONSUMPTIVE VOL. AF/A FOR AREA =

TOTAL CONSUMPTIVE USE AF/A

3. IRRIGATION DIVERSION VOLUME

CLAIMED DIVERSION VOLUME = AF/A

ACRES $\times$ DIVERSION VOL. AF/A =

TOTAL DIVERSION VOLUME AF/A

4. CALCULATIONS FOR USES OTHER THAN IRRIGATION:

SEE ATTACHED SHEET? Y() N()

REMARKS: (Include limitations on consumptive use for combined rights.)

1b. CALCULATIONS

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NOV 01 1994

RECOMMENDATIONS:

REC.
PURPOSES

REC. PERIOD
FROM TO

REC. DIV
RATE CFS

REC. DIV
VOL. AF/A

REC. CONS.
USE

IRRIGATION

~~04-01~~ 15 ~~11-01~~ 10-15

DATABASE EXAMINER
1.500 1.5

DATABASE EXAMINER

DATABASE EXAMINER
~~405.0~~

TOTAL FOR THIS RIGHT

1.500

REVIEWED BY:

KKC

DATE: 12-17-93

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NOV 01 1994

A. CHECK ONLY THE FOLLOWING THAT APPLY:

OWNERSHIP
FOREIGN/ABANDON
ADDITIONAL DIV. AMOUNT

ACCEPTED
AS CLAIMED
()
()
()
NEEDS
REVIEW
()
()
()

B. SPLIT WATER RIGHT REVIEW

ROOT WATER RIGHT NUMBER: 72-00171

TOTAL DIVERSION RATE OF WR SPLITS

DATABASE
2.700

EXAMINER

CFS

SPLITS:

OLD RIGHT
NUMBERS

CURRENT
CLAIM NUMBERS

DIVERSION
RATE

CURRENT "K"
CLAIM NUM.

"K" DIV.
RATE

WR RIGHT
NUMBERS

DIVERSION
RATE

A72-00167
A72-00169
A72-00173
A72-00168
A72-00170
A72-00174

A72-00171
A72-10412
A72-10412
A72-10412
A72-10413
A72-10413

1.500
1.700
1.700
1.700
1.000
1.000

-
-
-
-
-
-

72-00171
72-00167
72-00169
72-00173
72-00168
72-00170
72-00174

1.500
0.800
0.400
0.500
0.200
0.100
0.700

TOTAL CFS

9.600

2.700

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
N

FIELD
EXAMINER

REMARKS:

MICROFILMED

NOV 01 1994

AUTHENTICATION:

SIGNATURE:

Wiley R. Chastman

DATE:

12-17-93

NAME OF FIELD EXAMINER:

TITLE:

State Resource Agent

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NOV 01 1994

WR ELEMENT	FIELD EXAM Y/N	CORRESPONDENCE SENT/RECEIVED BY WHOM/DATE	FIELD EXAM BY WHOM/DATE	CHANGE CLAIM Y/N	VERIFIED BY CODE	COMPLETED REVIEW WHOM/DATE	COMPLETED DATA ENTRY WHOM/DATE	VERIFIED DATE WHOM/DATE
PRIORITY DATE								
POINT OF DIV	Y		8-3-93 KRC	N	6,2,5,6	KRC 12-17-93		
SOURCE			"	Y	"	"		
DATE OF USE	Y		"	N	"	"		
DIV. AMOUNT CFS/VOLUME	Y		"	N	"	"		
CONSUMPTIVE USE			"	Y	6	"		
PURPOSES			92-17-93 KRC	N	6	"		
PERIOD OF USE	Y		"	Y	6	"		
BASIS OF CLAIM	Y		"	N	6	"		
REMARKS	Y		"	Y	6	"		

12-11-92
SW

VERIFIED BY CODES

- TOPD MAP/ORTHO-PG = 1
ASCS MAP = 2
WATERMASTER RECORDS = 3
NAPP PHOTOS = 4
FIELD EXAM = 5
OTHER (SEE REMARKS) = 6

MAPS USED:

ASCS 2-4
ORTHO S-74 & S-75
USDA-F 1789-1193 120 9-14-91
SCS SOLIS MAP 243-32

DATE:

1968

1974

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NOV 01 1994

THESE CODES ARE USED TO INDICATE HOW THE FIELD EXAMINER VERIFIED THE INFORMATION
USED FOR THIS FIELD EXAMINATION. INDICATED ARE ALL CODES WHICH APPLY.

CLAIM _____ INIT _____
 T. R. S. Q/Q
 P/D _____
 PHOTO ID. 5-74 1974 Flight

A72-00171, 172, 173, 174
 CLAIM 16108. 2169, 4188A INIT RKC
 T. R. S. Q/Q
 P/D _____
 PHOTO ID. 5-75 1974 Flight
 MORGAN CR DIVERIONS
 17N 19E SEC 20 SE SESW
 SEC 29 NWSW NW
 SEC 32 NWSW NW
 CORRAL CR DIVERION
 17N 19E
 SEC 29
 NWSE NW

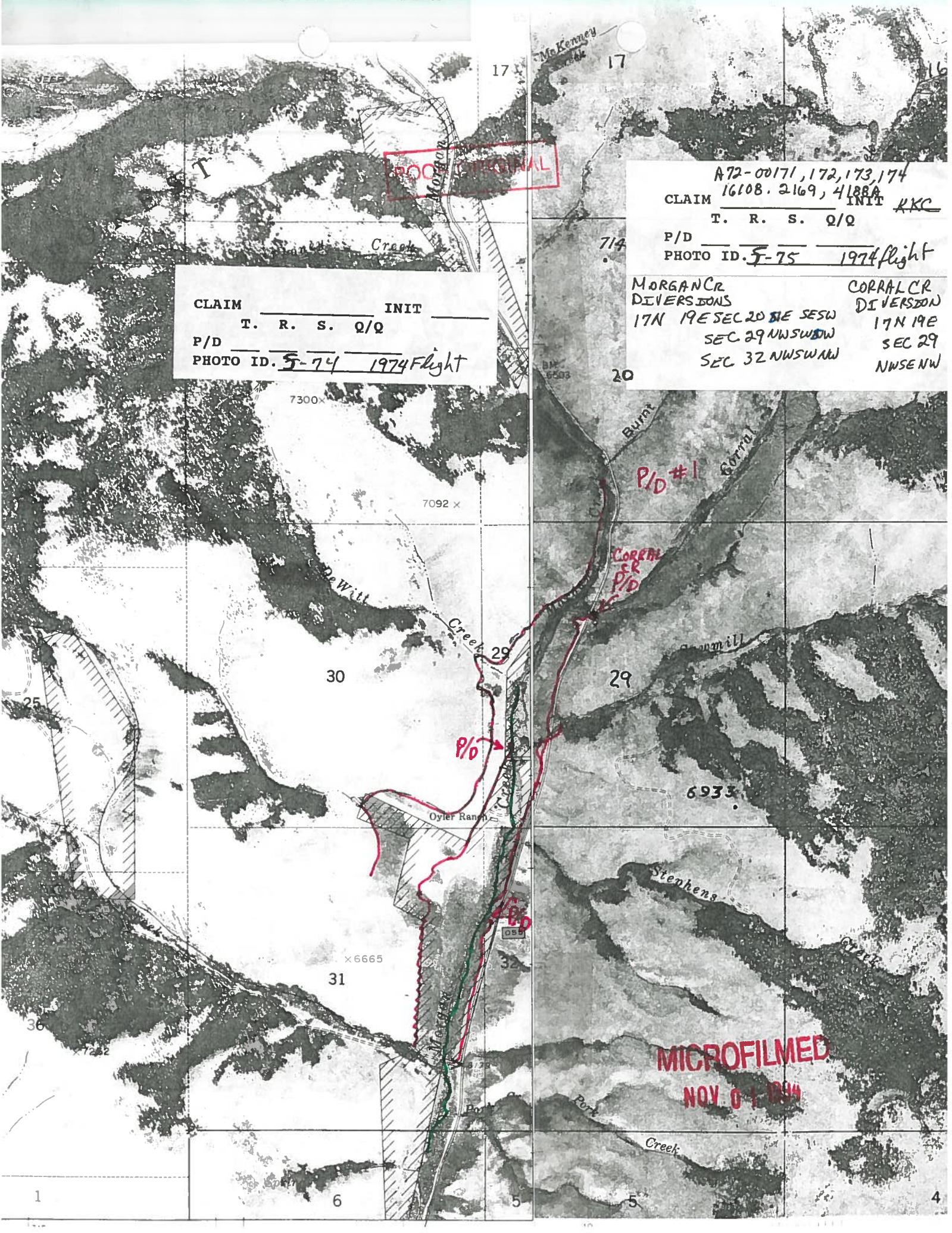
POCC ORIGINAL

P/D #1

CORRAL CR P/D

P/O

MICROFILMED
 NOV 01 1974



irr notation
 10 days via highline
 10 days via main ditch
 no dry days.

} concurrent
 irr.
 some tailwater from
 high line ditch reaches
 the main ditch on some
 sets.

CLAIM 72-00171-174 INIT KKC
 T. R. S. Q/Q
 P/D See other map enlarged
 PHOTO USDArF 1789-119 200%
 DT. & ID. 9-4-91 flight

POOF ORIGINAL

END
 OF HIGH-
 LINE
 DITCH
 (FROM NORTHERN
 P/D)

END OF
 MIDDLE DITCH

Main
 Ditch
 (FROM P/D #3)

DITCH
 Terraced.
 after end of
 middle ditch

MICROFILMED

NOV 01 1991

to
 CORRAL
 CREEK

29

P/D #3

P/D #4

32

31

11

15

10

16

40

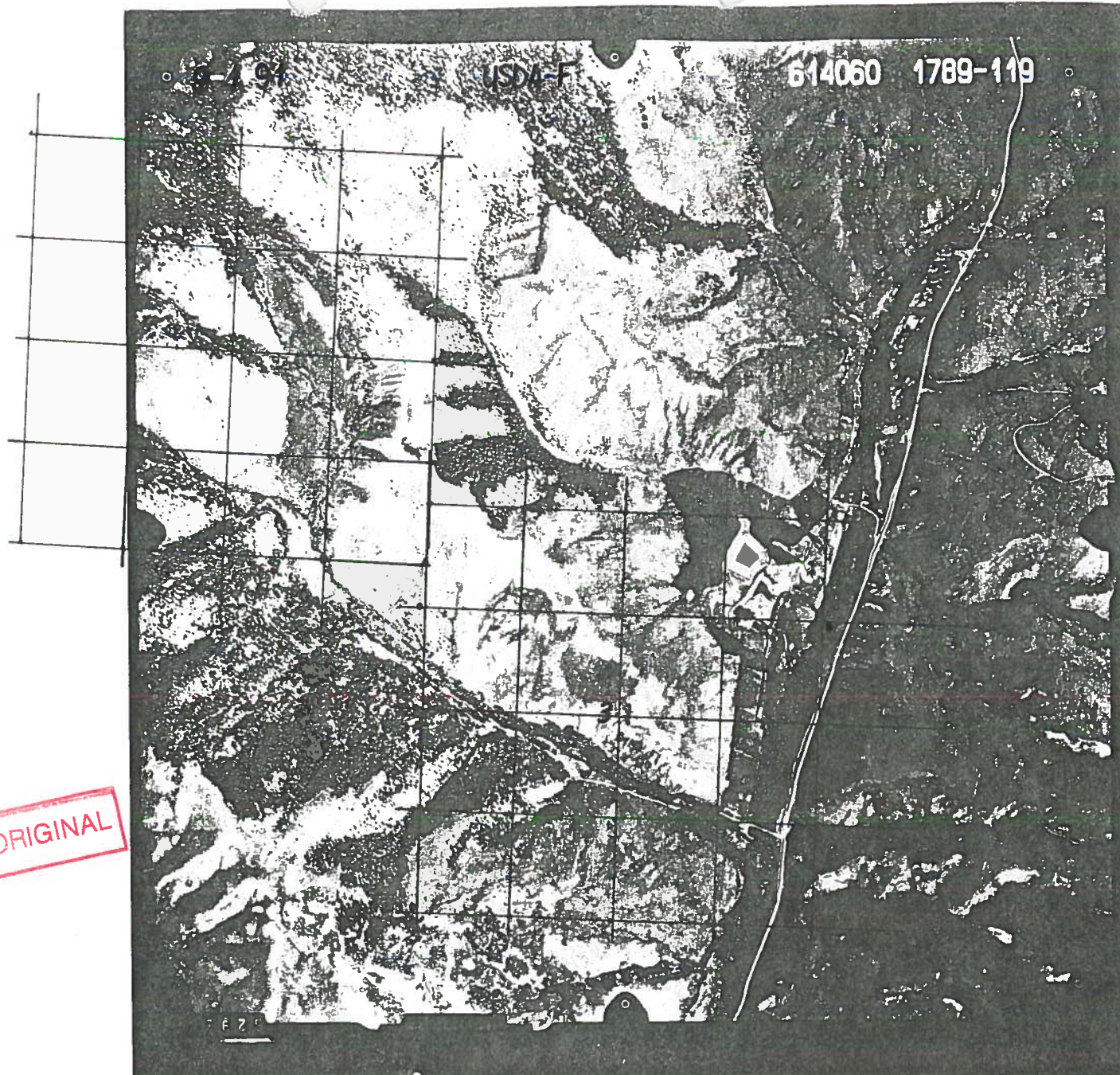
7

2

35

1

25



POOR ORIGINAL

Section overlay determined by
creating a transparency of the
Black Mountain 1974 Quad
map and aligning the roads
on each map and then marking
the section corners.

Reduced 71%

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NOV 01 1984

For A72-

CLAIM A72-00171 etc INIT KKC
T. R. S. Q/Q
P/D See quad map in legal.
PHOTO 43DA-F 1789-120
DT. & ID. 9-4-91 flight

NOOR ORIGINAL

REPROFILMED
NOV 6 1994

P/D #1
HIGH LINE
DITCH

MEASUREMENT

P/D #2

CORRAL
CREEK

MEASUREMENT

DEWITT
CREEK

P/D #4
BIG DITCH

MORGAN
CREEK

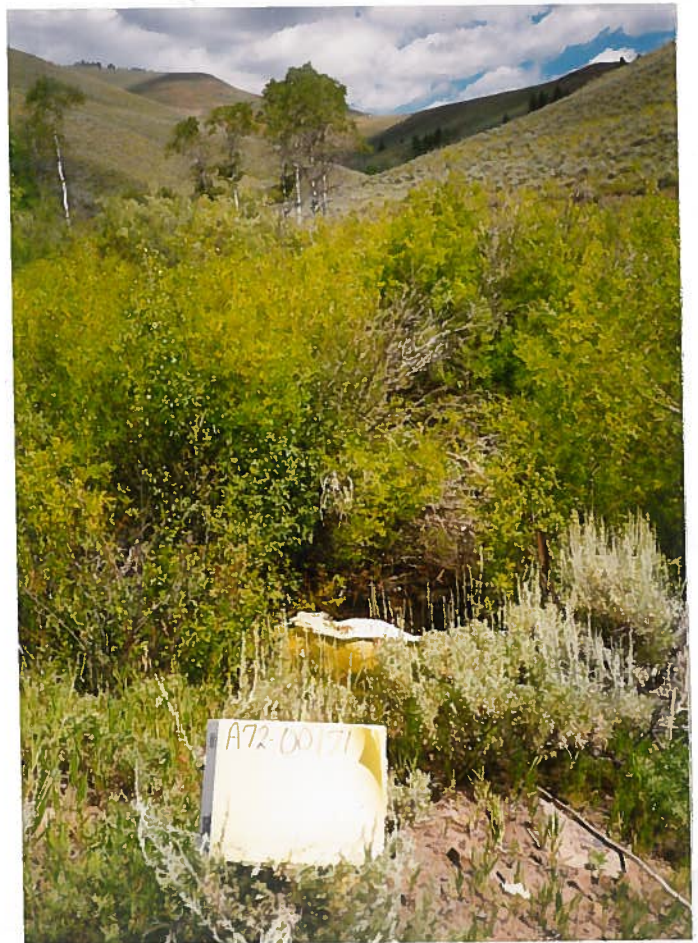
P/D #3

2 DITCHES SAME DEVI

CLAIMS # A72-00171, 00172, ET.AL.
DATE PHOTO TAKEN; 8-3-93
PICTURE # 1

This shows the northern most point
of diversion from Morgan Creek and is
looking northeast toward Burnt Gulch
which is east of the Morgan Creek road.

PC ORIGINAL



PICTURE # 2

This picture shows the measurement
point for the above P/D. The
measurement point was approximately 250
yards south of the P/D and this photo is
looking north toward the P/D.

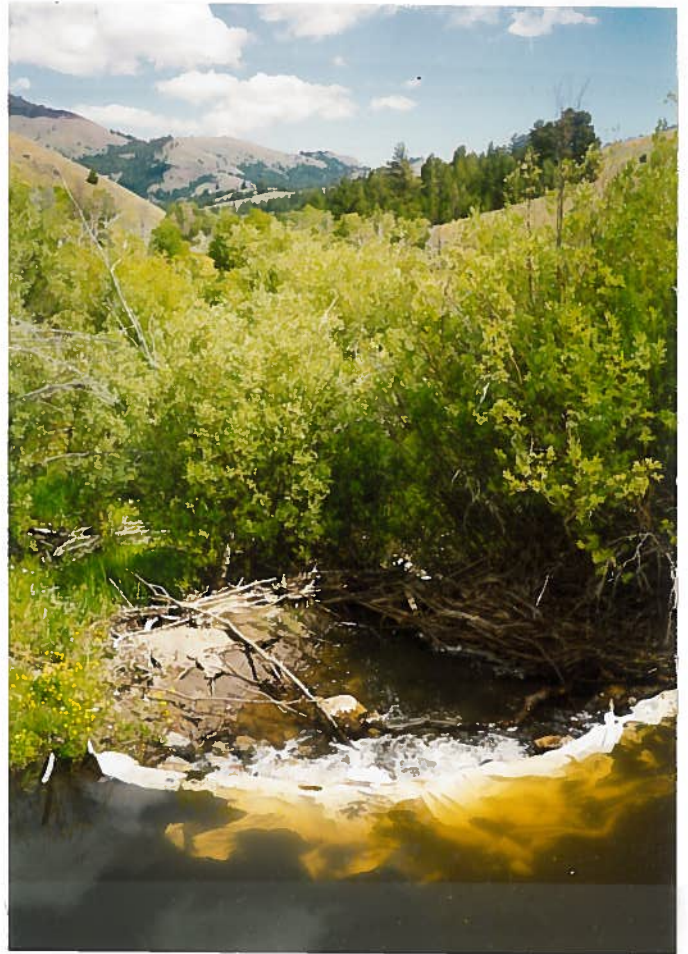
MICROFILMED
NOV 01 1994



CLAIMS # A72-00171, 00172, ET.AL.
DATE PHOTO TAKEN; 8-3-93
PICTURE # 3

This picture shows the second P/D referred to as the 'Big Ditch'. There was no diversion at this time. The diversion structure is an oval culvert that was partially filled with gravel and measured 22" wide by 10" from the top to the gravel. You are looking northeast toward Sawmill Creek in the background.

POOR ORIGINAL



PICTURE # 4

This picture shows the northwest corner of the P/U and was taken from the Morgan Creek road. The field in the foreground is a part of A72-00153-00154.

SAWMILL CREEK NW CORNER 'BIG DITCH' P/D HIGHLINE DITCH



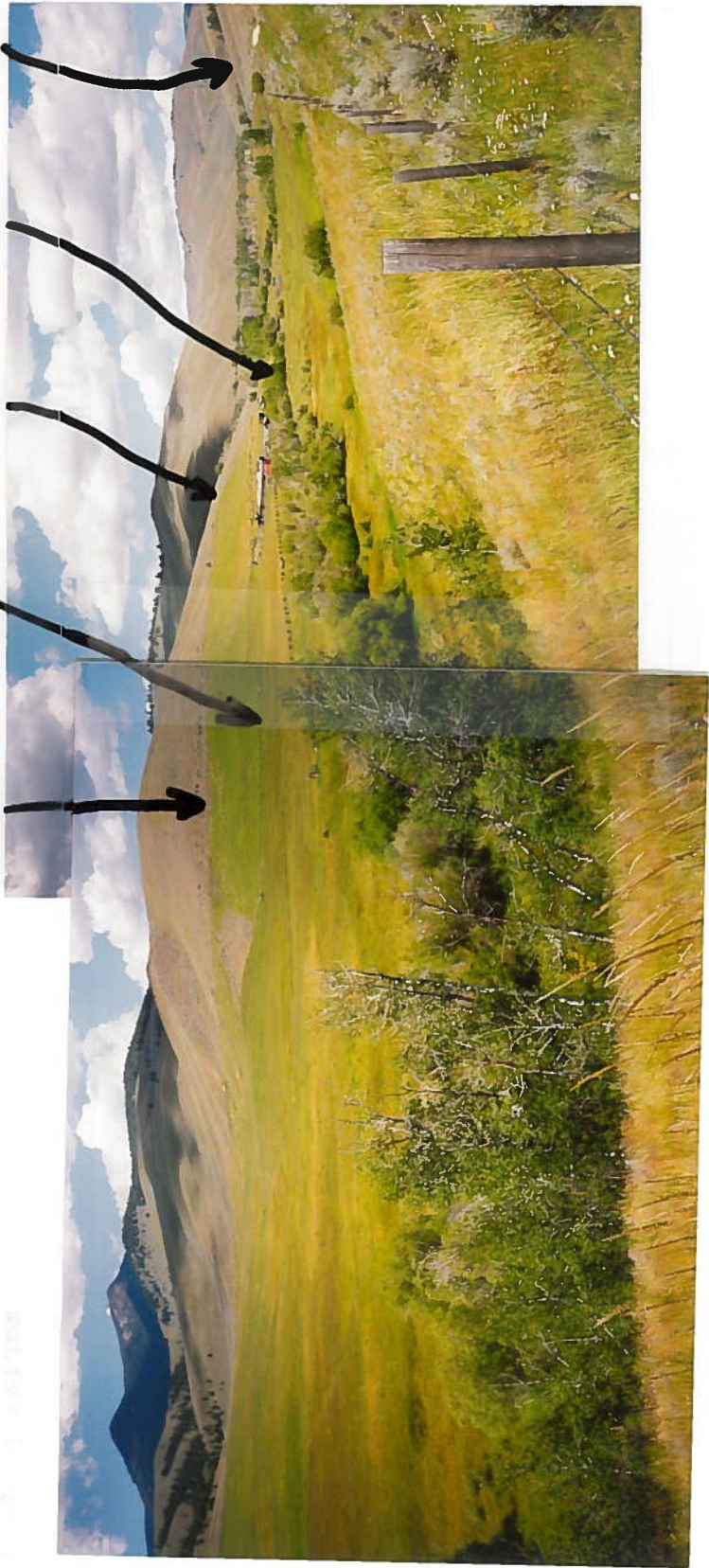
MICROFILMED
NOV 01 1994

CLAIMS # A72-00171, 00172, ET.AL.
DATE PHOTO TAKEN; 8-3-93
PICTURE # 5

POOR ORIGINAL

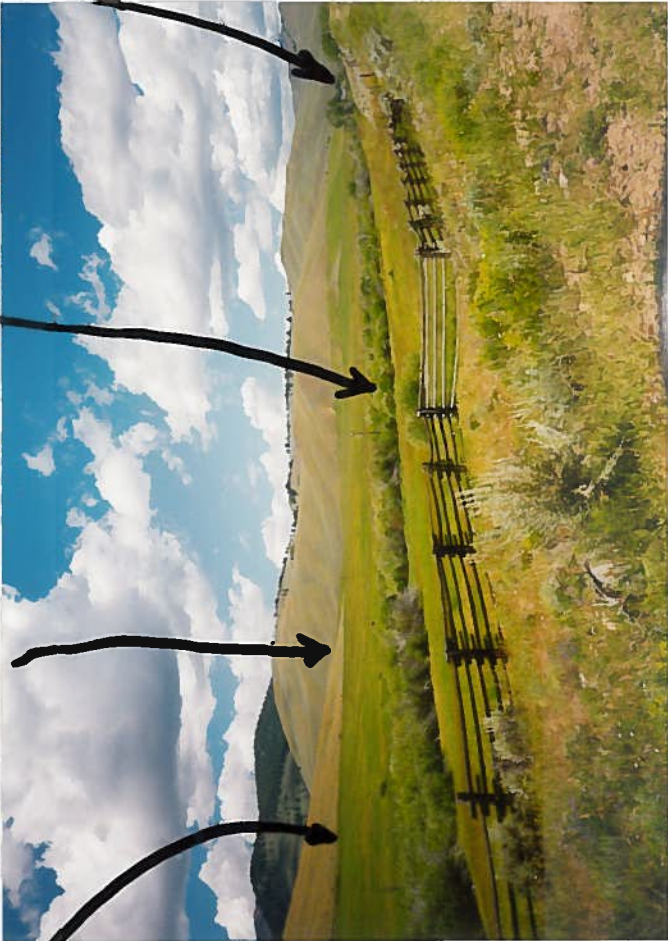
This photo was taken from Morgan Creek Road and is looking north toward the farmstead and the north end of the P/U. This also includes ground east of Morgan Creek that is irrigated from the Corral Creek diversion.

HIGHLINE DITCH	BIG DITCH	NORTH END OF P/U	MORGAN CREEK	SAWMILL CREEK
-------------------	--------------	---------------------	-----------------	------------------



This picture just captures the end of the 'High Line' ditch and the center of the P/U. The P/U east of Morgan Creek in this photo is irrigated from P/D # 3 (the southern most P/D from Morgan Creek).

'BIG DITCH'	END OF 'HIGH LINE' DITCH	MORGAN CREEK	FARMSTEAD
-------------	--------------------------	--------------	-----------



1004 01 1004
MICROFILMED

CLAIMS # A72-00171, 00172, ET.AL.
DATE PHOTO TAKEN; 8-3-93
PICTURE SET # 7

This picture set was taken from the Morgan Creek road and is looking west northwest. The picture location is north of pictures # 5 and 6. The "Middle Ditch" is a catch ditch that starts toward the north end of the P/U but does not connect to any direct diversion from Morgan Creek. That ditch is outlined by the haying practice shown in the USDA-F aerial photo 1789-119.

'BIG' DITCH

'MIDDLE' DITCH

'HIGH LINE' DITCH

MORGAN CREEK



POOR ORIGINAL

MICROFILMED
NOV 01 1994

CLAIMS # A72-00171, 00172, ET.AL.
DATE PHOTO TAKEN; 8-3-93
PICTURE SET # 8

This picture set was taken from Van Horn road just west of the Morgan Creek road and is looking northwest on the left to north on the right. This end of the P/U has level stair-stepped ditch system. Each ditch segment has a level ditch bank which allows one dam to spill water over the entire reach. This gives the ditch a saw-tooth appearance in the aerial photos. The south end of the P/U is just off the photo to the left.



POOR ORIGINAL

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NOV 01 1994

CLAIMS # A72-00171, 00172, ET.AL.
DATE PHOTO TAKEN; 8-3-93
PICTURE # 9

This photo shows the measurement point of the eastern most ditch of the southern most diversion and is looking north toward the diversion structure shown below.

P/D

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PICTURE # 10

This picture is looking south toward the measurement point for the ditch closest to Morgan Creek. Morgan Creek is out of the picture to the right.

EASTERN DITCH

WESTERN DITCH

MEASUREMENT POINT



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CLAIM # A72-00171, 00172, ETC.
DATE PHOTO TAKEN; 8-18-93
PICTURE SET # 1

This picture set was taken near the south end of the P/U and shows one of the stair step legs of the main delivery ditch. You are looking north and the ditch bank is virtually flat from the culvert to the next stair step. At each break there is a drop similar to this one.



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CLAIM # A72-00171, 00172 ETC.
DATE PHOTOS TAKEN; 9-22-93
PICTURE # 1

This is the picture of the measurement site for the 'main' ditch or the lower ditch of two that supply the majority of the P/U east of Morgan Creek. This ditch eventually runs just east (or up hill) from the farmstead. The fence shown is the northern boundary of the P/U.



POOR ORIGINAL

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FIELD EXAM ATTACHMENT

DATE: 12-23-93
BY: KKC

FILES: A72-00171, A72-00172,
A72-00173, A72-00174,
A72-16108, A72-10412A,
A72-10413A, A72-16107,
A72-04188A, A72-04189,
& A75-02169

SUBJECT: VERL JONES CLAIMS IDENTIFICATION BY AREA OF USE

Claims filed by Verl Jones represent two major independent operations on Morgan Creek and two minor uses, one from Corral Creek and another from an unnamed spring. Claim A75-02169 is a diversion from Otter Creek in basin 75 which is injected into Morgan Creek to be re-diverted on either major P/U depending on his current needs.

The northern system (aka HES-70) lays within T-17N, R-19E and consists of claims A72-00171, A72-00172, A72-00173, A72-00174, A72-16108, and A75-02169. The P/U for A72-04188A (source, Corral Cr.) joins this property along the northern and eastern border.

The southern system lays within T-15N, R-19E and consists of claims A72-10412A, A72-10413A, A72-16107, A72-04189, and A75-02169. The P/U for A72-04169 (source, Spring) joins this property along the southwestern border and also overlaps on the southern end of the P/U.

SUBJECT: COMBINED RIGHT/ SPLIT RIGHT ANALYSIS

The original claims A72-10412 and A72-10413 combined a total of 6 decreed rights covering three independent systems based upon similar priority dates. As the decreed P/U for rights 72-00173 and 72-00174 were tied to ground approximately 10 miles upstream of the other rights they were split from the base claims. 72-00173 and 72-00174 are included in the northern system analysis.

SPLIT CLAIM REVIEW				
<u>base claim</u>	<u>acres</u>	<u>rate</u>	<u>claimed priority date</u>	<u>decreed priority date</u>
A72-10412 --	200	1.70 cfs	07-01-1921	
<u>split claims</u>				
A72-10412A	38	1.20 cfs	07-01-1921	
A72-00173	162	0.50 cfs	07-01-1921	05-01-1920
split total	200	1.70		

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base claim
A72-10413 -- 200 1.00 cfs 09-14-1931

split claims
A72-10413A 38 0.30 cfs 09-14-1931
A72-00174 162 0.70 cfs 09-14-1931 09-14-1931
split total 200 1.00

COMBINED RIGHT WITHIN CLAIM, REVIEW

split claim
A72-10412A 38 1.20 cfs 07-01-1921

base decreed rights
72-00167 -- .80 cfs 05-01-1921
72-00169 -- .40 cfs 07-01-1921
total 1.20

split claim
A72-10413A 38 .30 cfs 09-14-1931

base decreed rights
72-00168 -- .20 cfs 09-14-1931
72-00170 -- .10 cfs 09-14-1931
total 0.30

CURRENT SYSTEM FOR A72-10412A, A72-10413A, A72-16107, &
A75-02169 THE SOUTHERN SYSTEM

The current system is three P/Ds delivering Morgan Creek water to a 33 acre P/U. The P/U is flood irrigated using a combination of wild flooding and contour ditch delivery. The P/U appears to be the same or nearly the same as the original decreed and/or transferred P/U although the legal descriptions do not exactly match. The ground irrigated under decreed rights 72-00169 and 72-00170 is no longer irrigated and the P/D is no longer used. These rights have been moved through an unrecorded transfer to the current P/U. Verl Jones did not remember when he abandoned the P/D in Sec 15 but he stated that it was more than five years ago. I am not recommending the use as decreed for ground in Sec 15 but rather recognizing the unrecorded transfer to ground in Sec 14 and 23 and recognizing that those rights are still valid as currently used.

CURRENT SYSTEM FOR A72-04189 (SPRING SOURCE)

The spring lays south of the Morgan Creek road and is collected into a ditch and then carried to the P/U through

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two separate culverts that go under the road. The northern culvert diverts water into a slew that roughly follows the road going southeast to eventually deliver water to the five overlapping acres. That culvert can be blocked to allow the water to flow southeast along the south side of the road to the second culvert where it then goes under the road to irrigate the one acre parcel that is isolated from the main body of the irrigated ground by the same slew described above. This acre can only be irrigated from the spring.

OVERLAPPING RIGHTS P/U ANALYSIS FOR THE SOUTHERN SYSTEM

A75-02169 (the Otter Creek diversion) utilizes the same delivery system and covers the same 33 acres as the above Morgan Creek source claims. This system also partially overlaps with a spring source claimed under A72-04189. A72-04189 is being recommended for the irrigation of 6 acres with five of those acres overlapping with this system. Between the two systems 34 total acres are irrigated within this same general area.

EXCESS FLOW ANALYSIS FOR THE SOUTHERN SYSTEM

Excess flow analysis indicates a need for greater than one inch per acre as claimed through A72-16107. This claim represents excess flows beneficially used since the original decree on the same decreed ground and therefore I accept this claim with a priority date one day after the decree date of 05-02-1935.

The analysis used the following assumptions; 'wild' flooding for irrigation, soil type for all acres - CP1, average run of 188', alfalfa and/or pasture as the basic crop and a ten day rotation. Both analysis' for pasture and alfalfa gave a 3.13 cfs requirement for the 33 acres (analysis forms attached).

DIVERSION RATE RECOMMENDATION ANALYSIS

Measured diversion rate	---	5.08 cfs total
Excess flow requirement	---	3.13 cfs total*
Total Decreed rate recognized	---	<u>1.50 cfs</u>
Balance not decreed	---	1.63 cfs (to be recommended in claim A72-16107)

*limiting factor.

CURRENT SYSTEM FOR A72-00171, A72-00172, A72-00173, A72-00174 A75-02169, AND A72-16108 THE NORTHERN SYSTEM

The system is three P/Ds and ditch systems delivering water to the P/U for flood irrigation of a 162 acre grass meadow that is normally harvested for grass hay. Otter Creek water

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under A75-02169 is also used on this P/U to supplement when necessary and if it is not being used with the southern system. The ground irrigated by Corral Creek which joins this property and is irrigated under A72-04188A does not overlap. They are separate systems.

EXCESS FLOW ANALYSIS

Excess flow analysis indicates a need for greater than one inch per acre as claimed through A72-16108. The excess flow analysis indicates a need greater than the system capacity therefore the system capacity is considered the limiting factor. This claim is recommended with a priority date of 5-3-35. Soils information was not available from the SCS at this time therefore the calculations were based upon soil type BC1 (see narrative dated 12-13-93; Basis for Soil Type Analysis). The entire P/U is grass pasture and basically flood irrigated with few cross ditches.

DIVERSION RATE RECOMMENDATION ANALYSIS

Measured diversion rate	---	9.27 cfs total*
Excess flow requirement	---	15.36 cfs
Total decreed rate recognized	---	<u>3.40 cfs</u>
Balance not decreed	---	5.87 cfs (to be recommended in claim A72-16108)

*limiting factor.

CURRENT SYSTEM FOR A72-04188A (CORRAL CREEK SOURCE)

This system shares the lower ditch with the decreed rights for Netta Jones but is for a separate P/U. The recommended P/U lays east of Morgan Creek and both north and south of the farmstead but ends prior to any ground irrigated from Morgan Creek. It is also a grass pasture and the same excess flow analysis applies to this system. Otter Creek water does not reach this property.

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FIELD EXAM ATTACHMENT

DATE: 12-17-93PAGE: 1/2AGENT: KKCFILES: A72-00171, 00172, 00173ATTACHMENT SUBJECT: System description00174, 16108, ~~00~~
AND A 75-02169

The rights covering the P/U consist of Decreed rights A72-00171, 00172, 00173, & 00174; an excess flow claim A72-16108; and a supplemental right originally diverted in Basin 75 injected into Morgan Creek and then used on either this P/U or Verli's other place near the mouth of Morgan Creek, claim A75-02169.

Water use analysis:

The system consists of 3 diversion points from Morgan Creek with dist ditches carrying water to the P/U for flood irrigation. There are a few ~~cross~~ contour ditches in the larger portion of the P/U but the southern end has the ditch 5 ft stepped level for closer to a true border system than most claims investigated. Two P/Ds supply water to the P/U ^{west} ~~east~~ of Morgan Creek and one P/D supplies water to the P/U ^{east} ~~west~~ of Morgan Creek & south of the P/U covered by A72-04188A.

claimed rates A72-00171 - 1.50 CFS

I measured: P/D #1 2.11 CFS

00172 - .70 CFS

P/D #2 2.87 CFS

00173 .50 CFS

Soils Analysis

P/D #3 2.24 CFS

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00174 .70 CFS

NOV 01 1994

for Excess flow
calculated to be
15.36 CFS0.91 CFS
8.13 CFS12.00 CFS
15.40 CFS

cont.

FIELD EXAM ATTACHMENT

DATE: 12-17-93

PAGE: 2/2

AGENT: KKC

FILES:

ATTACHMENT SUBJECT: system description conf

P/O #1 measured @ 2.11 and estimated at 80% of capacity

calculated capacity = 2.53 CFS

P/D #2 measured @ 2.87 and estimated @ 75% of capacity

calculated capacity = 3.59 cfs

P/D #3 measured @ 2.24 CFS ξ considered at capacity = 3.15
 ξ .91

$$\therefore \text{System capacity} = 9.27 \text{ CFS}$$

system capacity - 9.27 CFS - limiting factor for Remark E12
system requirement - 15.9 CFS

system requirement - 15.96 CFS

total claimed rate - 15.40 cFS

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AGENT
INITIALS RKC
DATE 12-17-9

[illegible]

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FIELD EXAM ATTACHMENT

DATE: 12-13-93

PAGE: 1/1

AGENT: KKC

FILES: Claims where SCS soils

BASIS FOR SOIL TYPE ANALYSIS Info. not available as of this date

ATTACHMENT SUBJECT: AREA OF CONCERN:

17 N 18 E SEC. 25, 36

17 N 19 E SEC. 18, 19, 20, 21, 29 & 31

16 N 19 E SEC. 6

Available soils identification of Ground surrounding Morgan Creek ends with SCS map 243-32 which covers the junction of Morgan Creek & West Fork of Morgan Creek. The irrigated ground in this area (covered by claims A72-00158A, 00159A & 00160A) is classified as BCI. The physical appearance of this ground is similar to the irrigated parcels within the above legal descriptions therefore I have selected this soil type for the excess flow analysis.

Soils analysis conducted by the Forest Service and provided by the claimant for rights A72-00165/00166 excludes private ground from their descriptions. The surrounding analyzed grounds are the steeper, timbered slopes that do not match the irrigated ground profile.

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CLAIM NO. --- A72-00171 TO 00174 & 16108 Lotus Program:
 AGENT ----- KKC IRR-PRAC.WK3
 DATE ----- 12/17/93 Date form revised:
 4/21/93 by KKC

 SOIL CHARACTERISTICS

Soil Type = BC1; BIGLOST...GRAVELLY FINE SANDY LOAM
 Source of Soils Data = Printout From SCS State Office

soil depth (inches)		AWC (in/in)		PH		organic (%)		soil depth (ft)	AWC (inches)	intake family	
lower	upper	lower	upper	lower	upper	lower	upper			flood	furrow
0	5	0.11	0.14	6.6	7.8	2	3	1	1.57	3	0.7
5	23	0.12	0.15	6.6	7.8			1	1.71		
23	60	0.02	0.04	6.6	7.8			3	3.44		
								4	3.80		
								5	4.17	alternate method	
										NA	NA

Management Allowed Deficit (MAD)

crop	root depth (ft)	stress point (INCHES)	MAD	FIELD NOTES AND CALCULATIONS				
				FIELD 1	FIELD 2	FIELD 3	FIELD 4	
				FIELD WIDTH	15682	0		
				IRRIGATION DAYS	10			
				DRY DAYS	0			
				SET TIME(hours)	8			
alfalfa (hay or seed)	5	0.5	2.08	CALCULATED RUN (run = acres*43560/width)				
corn (field or silage)	4	0.5	1.90	LENGTH (RUN) =	450			
grain (winter or spring)	4	0.5	1.90	CALCULATED BORDER WIDTH (ditch length/irr days * cha				
pasture (or grass hay)	3	0.5	1.72	WIDTH =	523			
other (enter below)				THEORETICAL ROTATION (mad/net irr req in inches per				
				SELECTED MAD =	1.72			
				ROTATION =	7.5 DAYS			

PEAK IRRIGATION DIVERSION REQUIREMENT AT FIELD

Weather Station = CHALLIS
 Figure No = 10-15

crop	acres	system	recomm. eff.	Net Irrigation Requirement (mm/day)							
				mar	apr	may	jun	jul	aug	sep	oct
PASTURE	162	FLOOD	7.6		1.47	3.84	4.87	5.86	4.56	3.23	2.07
ALFALFA		FLOOD			1.28	4.51	5.65	6.25	4.45	2.52	0.7

Summary	162		8		1.47	3.84	4.87	5.86	4.56	3.23	2.07
---------	-----	--	---	--	------	------	------	------	------	------	------

Peak Net Irrigation Requirement (mm/day) = 5.86

Program Operation based upon "GUIDELINES FOR THE EVALUATION OF IRRIGATION DIVERSION RATES"
 HUBBLE ENGINEERING INC. OCTOBER 1991
 Soil Characteristics based upon SOIL CONSERVATION SERVICE STUDIES
 Peak Irrigation Diversion based upon ALLEN & BROCKWAY WEATHER INFORMATION 1983

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 1994

GRADED BORDER EVALUATION

Job name: A72-00171-00174 16108
By: KKC

Location: BC1 SOIL FOR 162 ACRES
Date:

Roughness coefficient (n)= 0.250

Intake family (If)=3.00

Slope (S)= 0.0400 ft/ft

Border width (W)= 523 ft

Net application (Fn)= 1.72 inches

Border length (L)= 450 ft

Inflow time (Ti)= 8 hours, 0 minutes

Flow per Border (cfs)	Unit Flow (cfs/ft)	Gross Application (in)	Deep Percolation (in)	Runoff (in)	Application Efficiency (percent)	Notes
15.30	Gross depth is less than required gross application depth					
15.31	Gross depth is less than required gross application depth					
15.32	Gross depth is less than required gross application depth					
15.33	Gross depth is less than required gross application depth					
15.34	Gross depth is less than required gross application depth					
15.35	Gross depth is less than required gross application depth					
15.36	0.029	22.56	20.83	0.00	7.6	(2)
15.37	0.029	22.57	20.83	0.02	7.6	(2)
15.38	0.029	22.58	20.83	0.03	7.6	(2)
15.39	0.029	22.60	20.83	0.05	7.6	(2)
15.40	0.029	22.61	20.83	0.06	7.6	(2)

(2) Erosive stream-- non-sod forming crops.

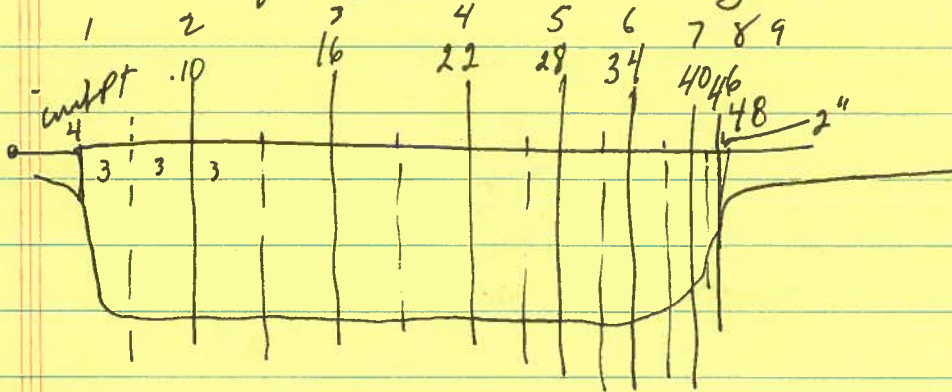
$\frac{15.36 \text{ cfs}}{162} \times = .0948 \text{ cfs/acre}$

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8-3-92

Roll 3

Pic #3 P/O for High line ditch. looking NE



1	Init Pt			measured approx 250 yds so of
	REV	SEC	DEPTH	P/O Ditch near capacity
2	~~250~~	26.94	4 1/2	based upon current cond. est 20% more to cap.
		24.65		water clear, Bottom.
3		19.19	4 1/2	smooth gravel & flat
		20.28		sides fairly straight
4		16.13	5 1/4	relatively clear of veg.
		15.16		no moss. measurement good
5		17.09	5 1/2	
		16.16		Pic of measurement point
6		14.71	5	taken looking N toward
		14.34		P/O.
7		23.81	4 1/2	
		21.8		
8		53.53	4	
		50.62		
9			BANK	

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NAME OF STREAM OR DITCH MORGAN CREEK, LOCALLY CALLED THE UPPER DITCH WATER RIGHT NUMBER IF APPLICABLE ----- A72-00171, & 00172.
 LOCATION ----- MEASURED 250 FT SOUTH OF POINT OF DIVERSION AGENT CONDUCTING MEASUREMENT & DATE --- KKC 8-03-93
 PURPOSE OF MEASUREMENT -- ADJUDICATION REVIEW ACCOMPANIED BY ----- NO ONE
 BASIS OF VELOCITY CALCULATIONS PREMEASUREMENT SPIN TEST (MIN/SEC) ---
 IF YOU ARE USING A PYGMY METER ENTER ----- 1 POST MEASUREMENT SPIN TEST (MIN/SEC) -
 IF YOU ARE USING A AA METER ENTER ----- 2
 ENTRY ----- = 1

FOLLOWING THE LAST ENTRY IN:
 "DISTANCE FROM INIT PT" ENTRY MUST = "END"

INITIAL POINT	ANGLE OF COEFFICIENT	DISTANCE FROM INIT PT	DEPTH IN FEET	CALC DEPTH END PTS	1ST MEASUREMENT REVS	VELOCITY DATA			CALC WIDTH IN	AREA IN SQ FT	CALCULATED VELOCITY			DISCHARGE IN CFS
						2ND MEASUREMENT TIME/SEC	1ST TIME/SEC	2ND TIME/SEC			1ST VELOCITY	2ND VELOCITY	MEAN VELOCITY	
		0.33		0.19	30	25.8			0.25	0.047	1.16		0.58	0.03
		0.83	0.38		30	19.7			0.50	0.188	1.52		1.16	0.22
		1.33	0.38		30	15.6			0.50	0.188	1.92		1.52	0.29
		1.83	0.44		30	16.6			0.50	0.219	1.80		1.92	0.42
		2.33	0.46		30	14.5			0.50	0.229	2.07		1.80	0.41
		2.83	0.42		30	22.8			0.50	0.208	1.32		2.07	0.43
		3.33	0.38		30	52.1			0.50	0.188	0.58		1.32	0.25
		3.83	0.33		30				0.33	0.111			0.58	0.06
		4.00		0.17					0.08	0.014			0.29	0.00
END														
														2.11

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 NOV 01 1994

72-08171
8-3-93

2/4

Big Ditch div. (shut down at this time)

1 pic taken looking ENE toward Sawmill Creek
Culvert headgate is oval corrugated iron



POOR ORIGINAL

#8 Pic looking SW from Morgan Cr. Road looking at
highline ditch, Area for main ditch div. E North edge
of P/R. Also Sawmill Creek channel (tree line left to center)

remaining after development.

2 Pics @ S end of R/w looking S/W to N.

1 pic @ end of roll just N of R/w. Sat looking N/W
showing us on both sides of Morgan Creek

Roll #4

#1 repeat of last Pic

measured
Big Ditch
on Main Ditch
9-22-93
KRC

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NOV 01 1994

NAME OF STREAM OR DITCH ----- MORGAN CR, TO P/U EAST OF CREEK
 LOCATION ----- EASTERN DITCH OF 2 FROM SAME P/D
 PURPOSE OF MEASUREMENT -- ADJUDICATION REVIEW

WATER RIGHT NUMBER IF APPLICABLE ----- A72-00171, & 00172.
 AGENT CONDUCTING MEASUREMENT & DATE -- KKC 8-03-93
 ACCOMPANIED BY ----- NO ONE
 PREMEASUREMENT SPIN TEST (MIN/SEC) ---
 POST MEASUREMENT SPIN TEST (MIN/SEC) -

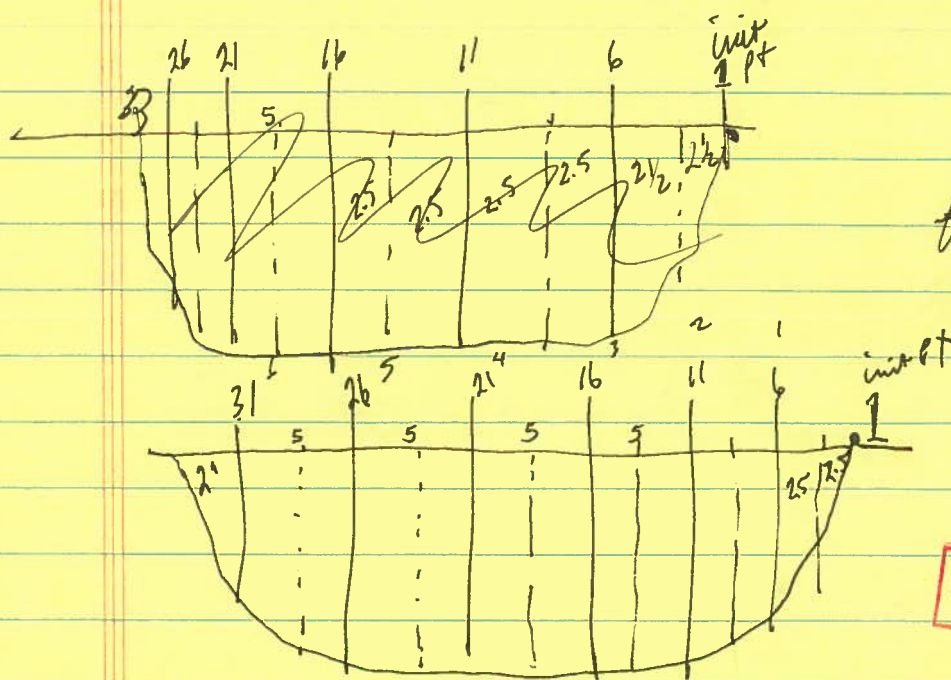
BASIS OF VELOCITY CALCULATIONS ----- 1
 IF YOU ARE USING A PYGMY METER ENTER ----- 2
 IF YOU ARE USING A AA METER ENTER ----- 2
 ENTRY ---- = 1

FOLLOWING THE LAST ENTRY IN:
 "DISTANCE FROM INIT PT" ENTRY MUST = "END"

INITIAL POINT	ANGLE OF COEFFICIENT	DISTANCE FROM INIT PT	DEPTH IN FEET	CALC DEPTH END PTS	1ST MEASUREMENT REVS	VELOCITY DATA			CALC WIDTH	AREA IN SQ FT	CALCULATED VELOCITY			DISCHARGE IN CFS
						2ND MEASUREMENT REVS	TIME/SEC	TIME/SEC			1ST POINT VELOCITY	2ND POINT VELOCITY	MEAN VELOCITY	
		0.08	0.50	0.25	30		26.2		0.21	0.052	1.15		0.57	0.03
		0.50	0.60		30		20.8		0.42	0.208	1.15		1.15	0.24
		0.92	0.60		30		18.5		0.42	0.252	1.44		1.44	0.36
		1.33	0.67		30		19.6		0.42	0.278	1.62		1.62	0.45
		1.75	0.71		30		23.8		0.42	0.295	1.53		1.53	0.45
		2.17	0.71		30		28.4		0.42	0.295	1.26		1.26	0.37
		2.58	0.67		30				0.42	0.278	1.06		1.06	0.29
		3.00		0.33					0.21	0.069			0.53	0.04
END														
														2.24

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3/4 5-3-23



eastern most ditch of 2
from same P/O

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Stat	Depth	Rev	Sec	Notes
1	6"	30	25.94	water clear bottom smooth gravel
			26.43	sides vertical minimal veg.
2	7 1/4"		20.88	location approx 40' from P/D
			20.66	approx 40 to 50% of capacity. cor.
3	8		18.54	diversion gate partially closed
			18.46	Reel # pic taken looking N/NE
4	8 1/2		19.78	
			19.5	
5	8 1/2		24.06	
			23.53	
6	8		27.90	
			28.84	

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NOV 01 1994

NAME OF STREAM OR DITCH ----- MORGAN CR, TO P/U EAST OF CREEK
 LOCATION ----- WESTERN DITCH OF 2 FROM SAME P/D
 PURPOSE OF MEASUREMENT -- ADJUDICATION REVIEW
 BASIS OF VELOCITY CALCULATIONS
 IF YOU ARE USING A PYGMY METER ENTER ----- 1
 IF YOU ARE USING A AA METER ENTER ----- 2
 ENTRY ----- 1

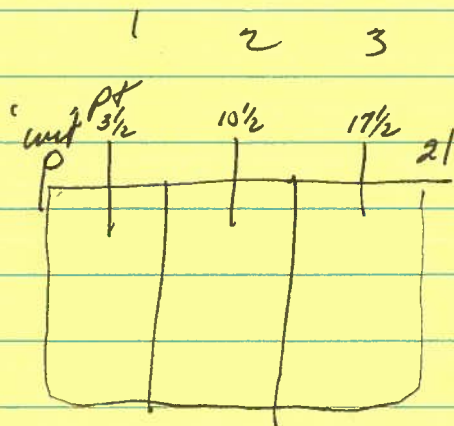
WATER RIGHT NUMBER IF APPLICABLE ----- A72-00171, & 00172-
 AGENT CONDUCTING MEASUREMENT & DATE -- KKC 8-03-93
 ACCOMPANIED BY ----- NO ONE
 PREMEASUREMENT SPIN TEST (MIN/SEC) ---
 POST MEASUREMENT SPIN TEST (MIN/SEC) -

FOLLOWING THE LAST ENTRY IN:
 "DISTANCE FROM INIT PT" ENTRY MUST = "END"

INITIAL POINT	ANGLE OF COEFFICIENT	DISTANCE FROM INIT PT	DEPTH IN FEET	CALC DEPTH END PTS	1ST MEASUREMENT REVS	VELOCITY DATA		CALC WIDTH	AREA IN SQ FT	CALCULATED VELOCITY			DISCHARGE IN CFS
						2ND MEASUREMENT TIME/SEC	TIME/SEC			1ST POINT VELOCITY	2ND POINT VELOCITY	MEAN VELOCITY	
		0.00	0.00	0.00	0	0.0		-0.15	0.000			0.00	0.00
		-0.29	0.67		30	56.7		0.58	0.389	0.53		0.53	0.21
		0.29	0.67		30	34.7		0.58	0.389	0.86		0.86	0.34
		0.88	0.71		30	27.5		0.44	0.310	1.09		1.09	0.34
		1.46						0.15	0.052			0.55	0.03
		1.75		0.35									
END													
													0.91

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 NOV 01 1994

4/4
8-3-83



2nd ditch closest to
Morgan Creek flowing
near capacity.

POOR ORIGINAL

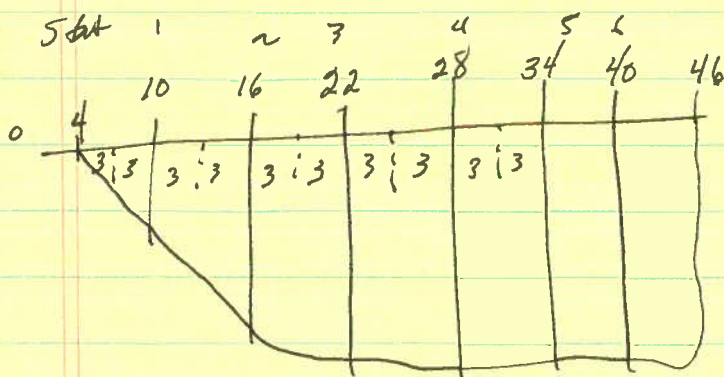
stat	depth	Rev	Sec
1	8	30	56.40
			57.03
2	8		34.10
			35.35
3	8 1/2		27.29
			27.72

Water clear Bottom flat & sandy
side vertical veg. cleared
measured approx 15' from P/O
measurement good

pic taken looking S
showing div point & head-
gate structure for both ditches

MICROFILMED
NOV 01 1994

9-22-73



Verl Jones
Main Ditch
(N. of Van Horn Cr.)
measurement approx. 50'
within P/U.

POOR ORIGINAL

Stat	Depth	Rev	Sec
1	4 1/2	20	126.16
2	8	60	103.22 101.84
3	10 1/2	60	44.16 46.06
4	11	60	38.75 39.66
5	10 1/2	60	43.00 41.59
6	10 1/2	60	49.03 50.19

Water clear, bottom sandy
gravel no rocks. Good
straight stretch of ditch
ditch near capacity,
no significant vegetation
or moss in ditch. West
side stepped up right side
near vertical

Per Verl Jones ditch
due to be channel as near
late in season. est 25%
greater capacity when cleared

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NAME OF STREAM OR DITCH MORGAN CREEK, LOCALLY CALLED THE MAIN DITCH WATER RIGHT NUMBER IF APPLICABLE ----- A72-00171, & 00172.
 LOCATION ----- MEASURED 50 FT INTO PLACE OF USE AGENT CONDUCTING MEASUREMENT & DATE ----- KKC 9-22-93
 PURPOSE OF MEASUREMENT -- ADJUDICATION REVIEW NO ONE
 BASIS OF VELOCITY CALCULATIONS
 IF YOU ARE USING A PYGMY METER ENTER ----- 1
 IF YOU ARE USING A AA METER ENTER ----- 2
 ENTRY ----- 1
 POST MEASUREMENT SPIN TEST (MIN/SEC) -

FOLLOWING THE LAST ENTRY IN:
 "DISTANCE FROM INIT PT" ENTRY MUST = "END"

INITIAL POINT	ANGLE OF COEFFICIENT	DISTANCE FROM INIT PT	DEPTH IN FEET	CALC DEPTH END PTS	1ST REVS	VELOCITY DATA		CALC WIDTH	AREA IN SQ FT	CALCULATED VELOCITY			DISCHARGE IN CFS
						1ST MEASUREMENT	2ND MEASUREMENT			1ST POINT VELOCITY	2ND POINT VELOCITY	MEAN VELOCITY	
		0.33	0.38	0.19	20	86.2		0.25	0.047	0.23		0.12	0.01
		0.83	0.67		60	62.5		0.50	0.188	0.96		0.23	0.04
		1.33	0.88		60	45.1		0.50	0.333	1.33		0.96	0.32
		1.83	0.92		60	39.2		0.50	0.437	1.53		1.33	0.58
		2.33	0.88		60	42.3		0.50	0.458	1.42		1.53	0.70
		2.83	0.88		60	49.6		0.50	0.438	1.21		1.42	0.62
		3.33	0.88		60			0.50	0.438			1.21	0.53
		3.83		0.44				0.25	0.109			0.60	0.07
END													
													2.87

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