

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: **A72-00174**
Date Received: 1/10/1990
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: TUDDIE JONES
Address: HC 82 BOX 4020
CHALLIS ID

83220

2. Date of Priority: SEP 14, 1931

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:

6. Water is used for the following purposes:

Purpose	From	To	C.F.S	(or)	A.F.A.
IRRIGATION	04/01	11/01	0.700		

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

A.F.A.

8. Total consumptive use is

Acre Feet Per Annum.

9. Non-irrigation uses:

10. Place of Use:

Township	Range	Section	1/4 of	1/4	Lot	Use	Acres
17N	19E	29	SW	SW		IRR	11.0

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NOV 01 1994

10. Place of Use: Continued

Township	Range	Section	1/4 of 1/4	Lot	Use	Acres
					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:
72-00171, 72-00172, 72-00173

14. Remarks:

THIS CLAIM IS BASED ON A COMBINATION OF THE FOLLOWING DECREES:

72-00168 9/14/1931 10"

72-00170 9/14/1931 5"

72-00174 9/14/1931 35"

TOTAL 50" OR 1.00 CFS

THERE ARE 2 P/D WITHIN THE NWSW SEC. 14 T15N, R19E.

***** CLAIM SPLIT AS CLAIM SERIES 167 THRU 170 IS FOR ONE P/U &
CLAIM SERIES 171 THRU 174 IS FOR A DIFFERENT P/U. KKC 12-16-93.**

15. Basis of Claim: DECREED

Case Number:

Court :

Decree date: 5/ 2/1935

MICROFILMED
NOV 01 1994

IVAN HUGHES ET AL
Decree Plaintiff

VAL JONES ET AL
vs Decree Defendant

MICROFILMED
NOV 01 1994

AJ0743NP
(OD-124)

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

10/01/98 10:02:31
Page 1

Water Right Number - R72-00174

Prefix Translation:

RESEARCH

Old (D) Number -

Last Name -

First Name -

Address -

*** C - CURRENT OWNER ***
JONES

TUDDIE

1 - HC 82 BOX 4020

2 -

3 -
City- CHALLIS
Phone - 208-000-0000

State- ID Zip- 83220

*** O - ORIGINAL OWNER ***
JONES

VERL

1 - HC 82 BOX 4020

2 -

3 -
City- CHALLIS
Phone - 208-000-0000

State- ID Zip- 83226

Priority Date - - - +
09/14/1931

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	

01 - IRRIGATION

04/15

10/15

0.700

Total Div. Rate - + - Total Div. Volume - +
0.700

Total Consumptive Use - + - KW Usage - +
0.0

Code	Description	Period From	Period To	Water Use	Diversion Rate	Diversion Volume
01	IRRIGATION	04/15	10/15		0.700	
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		

Handwritten notes:
PWA includes USDB - F
a new owner's report
we're looking to
HES Boundary to
provide the pipe
between the pipe

VERIFIED BY *KKC*
11-10-98

Prefix Translation: RESEARCH

+ - - Non-Irrigation Use -

Remarks

POU1

GEN

EXP

```

+ - - - - - +
  No Old Water Right Numbers Found      Old Water Right Numbers
+ - - - - - +

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+ - - - Decree Plaintiff - - +
IVAN HUGHES ET AL

Decree Defendant - - - +
VAL JONES ET AL

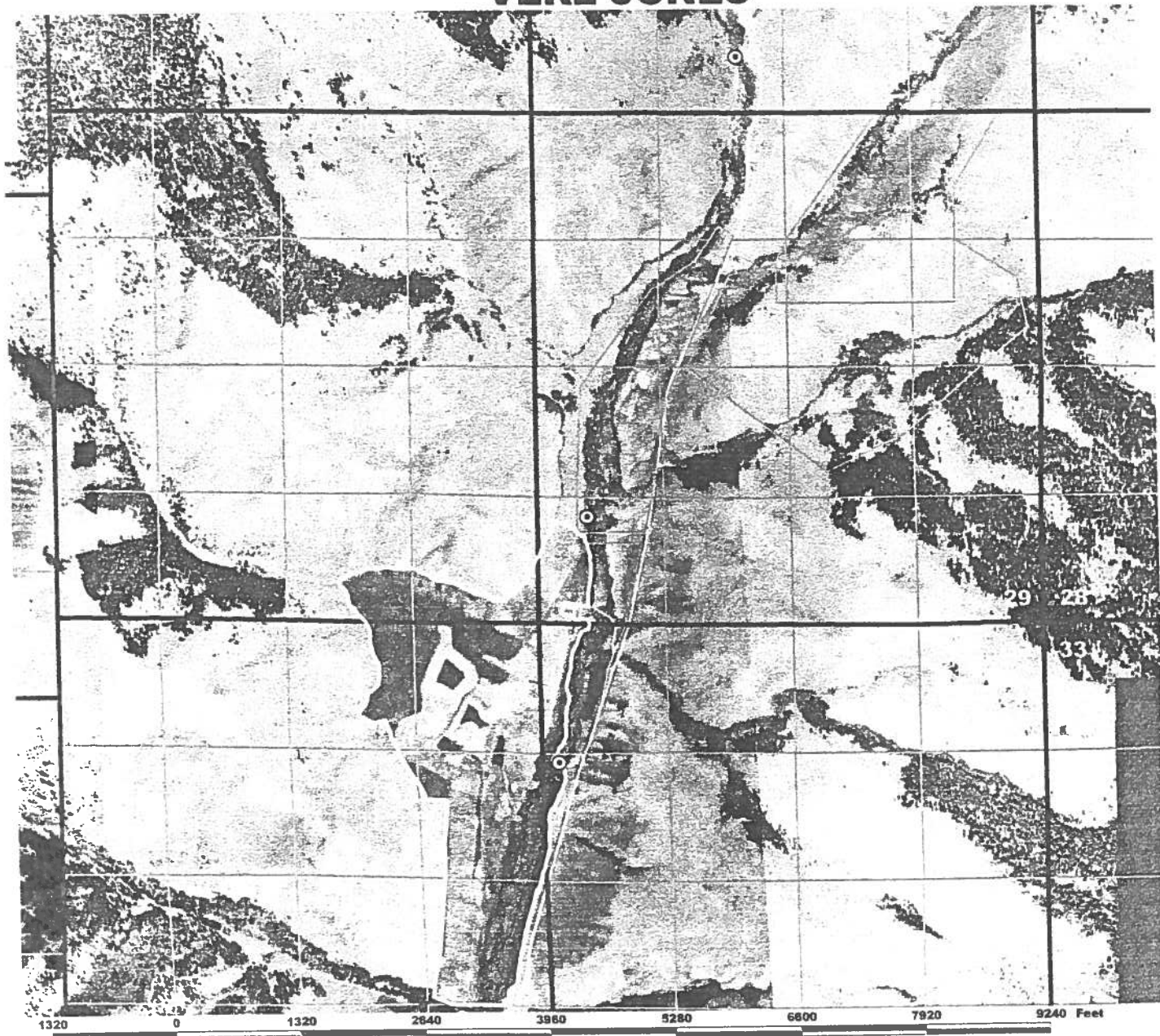
+ - Decree Date - +
05/02/1935

Date:	12/17/1993	User Id:	CHRISTEN	Subject:	COPIED FROM REMARKS
THIS CLAIM IS BASED ON A COMBINATION OF THE FOLLOWING DECREES:					
72-00170	9/14/1931	5"			
			72-00168	9/14/1931	10"
			72-00174	9/14/1931	35"

***** CLAIM SPLIT AS CLAIM SERIES 167 THRU 170 IS FOR ONE P/U & THERE ARE 2 P/D WITHIN THE NMSM SEC. 14, T15N, R19E. CLAIM SERIES 171 THRU 174 IS FOR A DIFFERENT P/U. KKC 12-16-93. **

10/01/98 KCHRISTE

**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**

Recommendation Review 10-2-98

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

The legals for some P/Ds 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

REEVALUATION OF IRRIGATION RATES BASED UPON 1951 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
BB2						
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
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	1.16	15.08 CFS
					CFS
					CFS
					CFS

TOTAL ACRES _____

DECREED RATE = _____

CLAIMED DIVERSION RATE = _____

MEASURED DIVERSION RATE = _____

CLAIM NUMBER72-0017172-172DATE10-1-98TRANSFER NUMBER72-0017372-0017472-16108AGENTKKGIS ACRE TOTAL16275-02169GIS ACRE TOTAL162

				NE				NW				SW				SE			
	TWP	RNG	SEC	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	3								
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'



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



orig in
72-00171

see 00171

orig in
00171

Water Right Number - R72-00174

Prefix Translation:

RESEARCH

Old (D) Number -

*** C - CURRENT OWNER ***
JONES

TUDDIE

1 - HC 82 BOX 4020
2 -
3 -

State- ID Zip- 83220

*** O - ORIGINAL OWNER ***
JONES

VERL

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

State- ID Zip- 83226

+ - Priority Date - +
09/14/1931

+ - Region - +
17 SOUTHERN

+ - Stage - +
D - DECREED

+ - Status - +

Source - +
MORGAN CREEK

Tributary - +
SALMON RIVER

+ -
Tm Rng Sec Tract Lot RFlg County Point of Diversion - +
17N 19E 20 NW SE SW (37) CUSTER
29 NW SW NW (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 0.700

+ - Total Div. Rate - + - Total Div. Volume - + - Total Consumptive Use - + - KW Usage - +
0.700 0.0

Tm	Rng	Sec	Tract	Lot	Acres	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

NOV 01 1994

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VERIFIED BY KKC

Remarks

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+-----+
+-----+ Old Water Right Numbers +-----+
+-----+
+-----+ No Old Water Right Numbers Found +-----+

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	Decree Plaintiff	Decree Defendant	Decree Date
IVAN HUGHES ET AL	+	+	05/02/1935
VAL JONES ET AL	+	+	

Adjudication Rights Dates and Flags Area			
Court Report Filing	00/00/0000	Field Inspection Made	08/03/1993
Objection Filed Date	00/00/0000	Field Inspection Flag	-
Response Filed Date	00/00/0000	Verified Date	12/17/1993
		Civil Case Number	39576
		Old Case Number	-
		Old Judicial District	-

39576
MICROFILMED

Nov 11 1964

Water right number - R72-00174

Prefix Translation: RESEARCH

+ - - - - - Adjudication Rights Dates and Flags Area - - - - - +			
Claim Received Date	- 01/10/1990	Last Amended Date	- 00/00/0000
Receipt Number	- X777777	Temporary Right	- P
POU Ownership Flag	- Y	Water District	- 72F
Name Connector	- AND/OR	Federal/State Indicator	- S
		Presumption Flag	- C
		Notice of Error Flag	-

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STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
ADJUDICATION CLAIM VERIFICATION REPORT

08:31:14
12/17/93

PAGE: 14
QUICKLOOK INFORMATION

CLAIM NUMBER: A72-00174
29

MR 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			8-3-93 KRC	N	62,5,6	KRC 12-17-93		
POINT OF DIV	Y		"	Y	"	"		
SOURCE			"	N	"	"		
PLACE OF USE	Y		"	Y	"	"		
DIV. AMOUNT CFS/VOLUME			"	N	"	"		
CONSUMPTIVE USE	-		"	Y	6	"		
PURPOSES			"	N	6	"		
PERIOD OF USE	Y		"	Y	6	"		
BASIS OF CLAIM			"	N	"	"		
REMARKS	Y		"	Y	"	"		

"VERIFIED BY" CODES

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

MAPS USED:

DATE:

ASCS Z-4 1968
ORTHO S-74 & S-75 1974
NAPP USDA-F 1789-1194120 9-4-91
BIM SCS 50125 MAP 243-32

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

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NOV 01 1994

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
ADJUDICATION CLAIM VERIFICATION REPORT

08:31:14
12/17/93

PAGE: 1
GENERAL INFORMATION

CLAIM NUMBER: A72-00174
16

LAST: JONES
ADDRESS: HC 82 BOX 4020
CITY: CHALLIS
PHONE NUMBER: 208-000-0000
OWNER CODE: 0
FIRST: VERL
STATE: ID ZIP: 83226

LAST: JONES
ADDRESS: HC 82 BOX 4020
CITY: CHALLIS
PHONE NUMBER: 208-000-0000
OWNER CODE: C
FIRST: TUDDIE
STATE: ID ZIP: 83220

FIELD EXAM REQUIRED?
VERIFICATION REQUIRED DUE TO REMARKS?
DATABASE Y FIELD EXAMINER

CLAIM REMARKS: THIS CLAIM IS BASED ON A COMBINATION OF THE FOLLOWING DECREES:
72-00168 9/14/1931 10"
72-00170 9/14/1931 5"
72-00174 9/14/1931 35"

TOTAL 50" OR 1.00 CFS
THERE ARE 2 P/D WITHIN THE NMSW SEC. 14, T15N, R19E.
***** CLAIM SPLIT AS CLAIM SERIES 167 THRU 170 IS FOR ONE P/U &
CLAIM SERIES 171 THRU 174 IS FOR A DIFFERENT P/U. KKC 12-16-93. **

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NOV 01 1994

CONTACT PERSON: Neil Jones

PHONE NUMBER: () -

DATE OF FIELD EXAM: 8/3/93

APPOINTMENT MADE: Y() N()

TIME: : A() P()

ACCOMPANIED BY: _____

PHONE NUMBER: () -

RELATIONSHIP TO CLAIMANT: Owner

DIRECTIONS TO PROPERTY / NOTES:

MICROFILMED
NOV 01 1994

A. AJ CLAIM: # A72-00174 PRIORITY DATE: 09-14-1931 STAGE: D

B. WR RECORD: # 72-00174 PRIORITY DATE: 09-14-1931 STAGE: D

C. FIELD EXAM REQUIRED?

DUE TO PRIORITY DATE DISCREPANCY? (Y/N) N DATABASE EXAMINER

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

NOTES:

*Claimed priority date matches cleared date
and found P/U mistake Demand P/U therefore*

Accept as claimed,

RECOMMENDED PRIORITY DATE:

09-14-1931

REVIEWED BY

XKC

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
A72-00174	17N	19E	20	NW	SE	SW		CUSTER
A72-00174	17N	19E	29	NW	SW	SW		CUSTER
A72-00174	17N	19E	32	NW	SW	SW		CUSTER

OTHER AJ CLAIMS WITH SAME AJ POD

A PREFIX	R PREFIX	72-00171	72-00172	72-00173	72-04185	75-02169
A72-00171	R72-00171					
A72-00172	R72-00172					
A72-00173	R72-10412					
A72-16108						
A75-02169						

MR RECORDS IN SAME 40 ACRE TRACT

SOURCE: MORGAN CREEK

TRIB: SALMON RIVER

B. MR POINT OF DIVERSION AND SOURCE:

RIGHT	TWP.	RGE.	SEC.	1/4	1/4	1/4	LOT	CNTY
72-00174	17N	19E	20		SE	SW		CUSTER
72-00174	17N	19E	29		NW	SW		CUSTER

OTHER MR RECORDS WITH SAME MR POD

72-00171	72-00172	72-00173	72-04185	75-02169	AJ CLAIMS IN SAME 40 ACRE TRACT	A PREFIX	R PREFIX	NONE
						A72-00171		
						A72-00172		
						A72-00173		
						A75-02169		

SOURCE: MORGAN CREEK

TRIB: SALMON RIVER

C. FIELD EXAM REQUIRED?

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

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NOV 01 1994

A. ROOT WATER RIGHT NUMBERS: A72-00174

B. POI LISTING

TWP	RNG	SEC	1/4	1/4	LOT	NAME	AJ #/ACRES	WR #/ACRES	LANDSAT DATA	FIELD EXAM.	RECOMM. ACRES
17N	19E	29	SM	SM	SM	JONES, TUDDIE	A72-00174 /11.0	72-00174 /			9.0
			SM	SM	SM	JONES, VERL	A72-00171 /11.0	72-00171 /			
			SM	SM	SM	JONES, VERL	A72-00172 /11.0	72-00172 /			
			SM	SM	SM	JONES, VERL	A72-04188A / 6.0	-			
			SM	SM	SM	JONES, VERL	A75-02169 /11.0	-			
			SM	SM	SM	JONES, VERL	R72-00171 /11.0	-			
			SM	SM	SM	JONES, VERL	R72-00172 /11.0	-			
			SM	SM	SM	JONES, VERL	R72-04188A / 6.0	-			
			SM	SM	SM	JONES, VERL	R72-10412 /11.0	-			
			SM	SM	SM	JONES, VERL	A72-16108 /11.0	-			
			SM	SM	SM	JONES, TUDDIE	A72-00173 /11.0	72-00173 /			
			SM	SM	SM	JONES, VERL	A72-00173 /11.0	72-04185 / 6.0			
			SM	SM	SM	JONES, VERL	72-04188 / 6.0				
17N	19E	30	SM	SE	SE	JONES, TUDDIE	A72-00174 /11.0	72-00174 /			19.0
			SM	SE	SE	JONES, VERL	A72-00171 /11.0	72-00171 /			
			SM	SE	SE	JONES, VERL	A72-00172 /11.0	72-00172 /			
			SM	SE	SE	JONES, VERL	A75-02169 /11.0	75-02169 /15.0			
			SM	SE	SE	JONES, VERL	R72-00171 /11.0	-			
			SM	SE	SE	JONES, VERL	R72-00172 /11.0	-			
			SM	SE	SE	JONES, VERL	R72-10412 /11.0	-			
			SM	SE	SE	JONES, VERL	A72-16108 /11.0	-			
			SM	SE	SE	JONES, TUDDIE	A72-00173 /11.0	72-00173 /			
			SM	SE	SE	JONES, VERL	72-04185 / 4.0				
17N	19E	30	SE	SE	SE	JONES, TUDDIE	A72-00174 /13.0	72-00174 /			19.0
			SE	SE	SE	JONES, VERL	A72-00171 /13.0	72-00171 /			
			SE	SE	SE	JONES, VERL	A72-00172 /13.0	72-00172 /			
			SE	SE	SE	JONES, VERL	A75-02169 /13.0	75-02169 /15.0			
			SE	SE	SE	JONES, VERL	R72-00171 /13.0	-			
			SE	SE	SE	JONES, VERL	R72-00172 /13.0	-			
			SE	SE	SE	JONES, VERL	R72-10412 /13.0	-			
			SE	SE	SE	JONES, TUDDIE	A72-00173 /13.0	72-00173 /			
			SE	SE	SE	JONES, VERL	A72-16108 /13.0	-			
			SE	SE	SE	JONES, VERL	72-04185 /23.0				
17N	19E	31	NE	NE	NE	JONES, TUDDIE	A72-00174 /40.0	72-00174 /			40.0
			NE	NE	NE	JONES, VERL	A72-00171 /40.0	72-00171 /			
			NE	NE	NE	JONES, VERL	A72-00172 /40.0	72-00172 /			
			NE	NE	NE	JONES, VERL	A75-02169 /40.0	75-02169 /40.0			
			NE	NE	NE	JONES, VERL	R72-00171 /40.0	-			
			NE	NE	NE	JONES, VERL	R72-00172 /40.0	-			
			NE	NE	NE	JONES, VERL	R72-10412 /40.0	-			
			NE	NE	NE	JONES, VERL	R72-00173 /40.0	72-00173 /			
			NE	NE	NE	JONES, TUDDIE	A72-00173 /40.0				

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TWP	RNG	SEC	1/4	1/4	LOT	NAME	AJ #/ACRES	WR #/ACRES	LANDSAT DATA	FIELD EXAM.	RECOMM. ACRES
17N	19E	31	NE	NE		JONES, VERL	A72-16108 /40.0	-			
			NE	NE		JONES, VERL		72-04185 /39.0			
			NW	NE		JONES, TUDDIE					23.0
			NW	NE		JONES, VERL	A72-00174 /15.0	72-00174 /			
			NW	NE		JONES, VERL	A72-00172 /15.0	72-00172 /			
			NW	NE		JONES, VERL	A75-02169 /15.0	75-02169 /25.0			
			NW	NE		JONES, VERL	R72-00171 /15.0	-			
			NW	NE		JONES, VERL	R72-00172 /15.0	-			
			NW	NE		JONES, VERL	R72-10412 /15.0	-			
			NW	NE		JONES, TUDDIE	A72-00173 /15.0	72-00173 /			
17N	19E	32	NW	NE		JONES, VERL	A72-16108 /15.0	-			
			NW	NE		JONES, VERL		72-04185 / 1.0			
			NW	NE		JONES, TUDDIE					5.0
			NW	NE		JONES, VERL	A72-00174 / 3.0	72-00174 /			
			NW	NE		JONES, VERL	A72-00171 / 3.0	72-00171 /			
			NW	NE		JONES, VERL	A72-00172 / 3.0	72-00172 /			
			NW	NE		JONES, VERL	A75-02169 / 3.0	75-02169 /10.0			
			NW	NE		JONES, VERL	R72-00171 / 3.0	-			
			NW	NE		JONES, VERL	R72-00172 / 3.0	-			
			NW	NE		JONES, VERL	R72-10412 / 3.0	-			
17N	19E	31	SE	NE		JONES, TUDDIE	A72-00174 /34.0	72-00174 /			34.0
			SE	NE		JONES, VERL	A72-00171 /34.0	72-00171 /			
			SE	NE		JONES, VERL	A72-00172 /34.0	72-00172 /			
			SE	NE		JONES, VERL	A75-02169 /34.0	75-02169 /30.0			
			SE	NE		JONES, VERL	R72-00171 /34.0	-			
			SE	NE		JONES, VERL	R72-00172 /34.0	-			
			SE	NE		JONES, VERL	R72-10412 /34.0	-			
			SE	NE		JONES, TUDDIE	A72-00173 /34.0	72-00173 /			
			SE	NE		JONES, VERL	A72-16108 /34.0	-			
			SE	NE		JONES, VERL		72-04185 /29.0			
17N	19E	31	NE	SE		JONES, TUDDIE	A72-00174 /27.0	72-00174 /			28.0
			NE	SE		JONES, VERL	A72-00171 /27.0	72-00171 /			
			NE	SE		JONES, VERL	A72-00172 /27.0	72-00172 /			
			NE	SE		JONES, VERL	A75-02169 /27.0	75-02169 /15.0			
			NE	SE		JONES, VERL	R72-00171 /27.0	-			
			NE	SE		JONES, VERL	R72-00172 /27.0	-			
			NE	SE		JONES, VERL	R72-10412 /27.0	-			
			NE	SE		JONES, TUDDIE	A72-00173 /27.0	72-00173 /			
			NE	SE		JONES, VERL	A72-16108 /27.0	-			
			NE	SE		JONES, VERL		72-04185 /12.0			
17N	19E	32	NW	SE		JONES, VERL		72-04186 / 5.0			
			NW	SE		JONES, TUDDIE	A72-00174 / 8.0	72-00174 /			14.0

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TWP	RNG	SEC	1/4	1/4	LOT	NAME	AJ #/ACRES	WR #/ACRES	LANDSAT DATA	FIELD EXAM.	RECOMM. ACRES
NW	NW	NW	NW	NW	NW	JONES, VERL	A72-00172 / 8.0	72-00172 /			
NW	NW	NW	NW	NW	NW	JONES, VERL	A72-00171 / 8.0	72-00171 /			
NW	NW	NW	NW	NW	NW	JONES, VERL	A72-04188A / 6.0	-			
NW	NW	NW	NW	NW	NW	JONES, VERL	A75-02169 / 8.0	-			
NW	NW	NW	NW	NW	NW	JONES, VERL	R72-00171 / 8.0	-			
NW	NW	NW	NW	NW	NW	JONES, VERL	R72-00172 / 8.0	-			
NW	NW	NW	NW	NW	NW	JONES, VERL	R72-04188A / 6.0	-			
NW	NW	NW	NW	NW	NW	JONES, VERL	R72-10412 / 8.0	-			
NW	NW	NW	NW	NW	NW	JONES, VERL	A72-00173 / 8.0	-			
NW	NW	NW	NW	NW	NW	JONES, VERL	A72-00173 / 8.0	-			
NW	NW	NW	NW	NW	NW	JONES, VERL	A72-16108 / 8.0	-			
NW	NW	NW	NW	NW	NW	JONES, VERL	72-04185 / 19.0	-			
NW	NW	NW	NW	NW	NW	JONES, VERL	72-04186 / 2.0	-			
NW	NW	NW	NW	NW	NW	JONES, VERL	72-04188 / 6.0	-			
TOTAL ACRES							A72-00174	162.00			

ARE IRRIGATED ACRES FOUND IN TRACTS OTHER THAN INDICATED ABOVE, (X) N ()

162.00 191.00 162

C. FIELD EXAM REQUIRED?

DUE TO POU DISCREPANCY? (Y/N)

DATABASE Y FIELD EXAMINER

POU COUNTY: CUSTER

PRESUMPTION FLAG:

NOTES:

See Sup doc for analysis

RECOMMENDATIONS:

TOTAL ACRES: 162

REVIEWED BY: KKC

DATE: 12-17-93

11C:PROFILMEL
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A. AJ CLAIMED USES:

PURPOSES
A72-00174 IRRIGATION

FROM 04-01-15 TO 11-01-15
MONTH/DAY
TOTAL DIVERSION RATE/VOLUME CLAIMED .700 CFS
div to dept standard
DIVERSION QUANTITY

B. WR RECORDED USES:

PURPOSES
72-00174 IRRIGATION

FROM MONTH/DAY TO MONTH/DAY
TOTAL DIVERSION RATE/VOLUME CLAIMED .700 CFS
DIVERSION QUANTITY

PRESUMPTION FLAG:

0 for chg is P/D

C. FIELD EXAM REQUIRED?

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

D. PERIOD OF USE:

RECOMMEND AS CLAIMED?
RECOMMEND TO WR STANDARDS OR OTHER?

NOTES:

claimed rate includes decreed rate

accept as claimed

see also Sup dec.

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A. DOES DIVERSION RATE CLAIMED AGREE WITH EXISTING RECORDS?

AJ TOTAL CLAIMED DIVERSION RATE: 0.700 CFS
WR ROOT RIGHT TOTAL DIVERSION RATE: 0.700 CFS

Y() N()

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

FLOW MEASUREMENT REQUIRED?

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

FIELD DATABASE EXAMINER
N

B.

MEASUREMENT METHOD

9.27

FLOW MEASUREMENT

SEE ATTACHED CALCULATIONS.

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

OTHER RIGHTS LISTED IN CLAIM: 72-00171, 72-00172, 72-00173

LIST ALL RIGHTS WITH A SAME POU AND IRRIGATION USAGE:

CLAIM NO.	SOURCE	NAME	DIV. RATE	DIV. RATE/ACRE	DIV. VOL.	DIV. VOL./ACRE
A72-00174	MORGAN CREEK	JONES, TUDDIE	0.700	0.004		
R72-00171	MORGAN CREEK	JONES, VERL	1.500	0.009		
A72-00171	MORGAN CREEK	JONES, VERL	1.500	0.009		
A72-00172	MORGAN CREEK	JONES, VERL	0.700	0.004		
R72-00172	MORGAN CREEK	JONES, VERL	0.700	0.004		
A72-00173	MORGAN CREEK	JONES, TUDDIE	0.500	0.003		
R72-04188A	CORRAL CREEK	JONES, VERL	0.630	0.052		
A72-04188A	CORRAL CREEK	JONES, VERL	0.630	0.052		
R72-10412	MORGAN CREEK	JONES, VERL	1.700	0.008		
A72-16108	MORGAN CREEK	JONES, VERL	12.000	0.074		
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)

1a. IRRIGATION RATE

ACRES 162 x 0.02 CFS/ACRE = 3.24 CFS
(Taken from p/u review)

1b. CALCULATIONS

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 = AF/A

ACRES x CONSUMPTIVE VOL. AF/A FOR AREA =

TOTAL CONSUMPTIVE USE AF/A

3. IRRIGATION DIVERSION VOLUME

CLAIMED DIVERSION VOLUME = AF/A

ACRES x DIVERSION VOL. AF/A FOR AREA =

TOTAL DIVERSION VOLUME AF/A

4. CALCULATIONS FOR USES OTHER THAN IRRIGATION:

SEE ATTACHED SHEET? Y() N()
P. U. IS H. E. S. #70, 153.55 AC.
P/D INCOMPLETE. SEE DECREE.

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

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RECOMMENDATIONS:

REC. PURPOSES	REC. PERIOD FROM TO	REC. DIV RATE CFS	REC. DIV VOL. AF/A	REC. CONS. USE
IRRIGATION	04-91 15 11-01 15-15	DATABASE 0.700	EXAMINER OK	DATABASE 0.0
TOTAL FOR THIS RIGHT		0.700		0.0

REVIEWED BY: KKC DATE: 12-17-93

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A. CHECK ONLY THE FOLLOWING THAT APPLY:

OWNERSHIP _____
FORFEIT/ABANDON _____
ADDITIONAL DIV. AMOUNT _____

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

B. SPLIT WATER RIGHT REVIEW

ROOT WATER RIGHT NUMBER: 72-00174
TOTAL DIVERSION RATE OF WR SPLITS

DATABASE
0.700

N/A
EXAMINER

CFS

SPLITS:

OLD RIGHT
NUMBERS

CURRENT
CLAIM NUMBERS

DIVERSION
RATE

CURRENT "R"
CLAIM NUM.

"R" DIV.
RATE

WR RIGHT
NUMBERS

DIVERSION
RATE

-

A72-00174

0.700

-

72-00174

0.700

TOTAL CFS

0.700

0.700

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
Y

FIELD
EXAMINER

NOTES:

AUTHENTICATION:

SIGNATURE: *Sally A. Phares*

DATE: 12-17-93

NAME OF FIELD EXAMINER:

TITLE: *Sylvia Beaune Hunt*

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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, 0017300174, 16108, 00AND A 75-02169ATTACHMENT SUBJECT: System description

The rights covering the P/U consist of Decead 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 Veil'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 air stepped level for closer to a true border system than most claims investigated. Two P/Ds supply water to the P/U ^{west} of Morgan Creek and one P/D supplies water to the P/U ^{east} of Morgan Creek & south of the P/U covered by A72-04188A.

claimed rates A72-00171 - 1.50 CFS

d measured: P/D #1 2.11 CFS

P/D #2 2.87 CFS

P/D #3 2.24 CFS

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00172 - .70 CFS

00173 - .50 CFS

00174 - .70 CFS

Soils Analysis

for Excess flow

calculated to be

15.96 CFS

0.91 CFS

8.13 CFS

12.50 CFS

15.40 CFS

FIELD EXAM ATTACHMENT

DATE: 12-17-93PAGE: 2/2AGENT: KKC

FILES: _____

ATTACHMENT SUBJECT: system description cont

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

calculated capacity = 2.53 CFS

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

calculated capacity = 3.59 CFS

P/O #3 measured @ 2.24 CFS & considered at capacity = ~~3.15~~ CFS
& .915

System capacity = 9.27 CFS

system capacity - 9.27 CFS - limiting factor for Remark E12

system requirement - 15.96 CFS

total claimed rate - 15.40 CFS

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REMARK AND CONDITION CODE WORKSHEET

SYSTEM CLAIM NUMBERS A72 00171 00172
00173 00174
16108 02069

AGENT
INITIALS RRC
DATE 12-17-93

CLAIM NO. OR ENTRY ORDER	REMARK CODE	ENTRY DATA	CONDITION CODE	STAGE OR STATUS	PRESUMPTION CODE
	FØ	172-00171, 00172, 00173 00174, 16108 and the re division of 72-02169	CØ3		C
	E12	9.27 CFS 405 AF 162 Acs <i>same right</i>			
	FØ7	75 75 75			
	JØ2	#70			

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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.

MICROFILMED
NOV 01 1994

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	alternate
								5	4.17	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
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

MICROFILMED
 NOV 01 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)

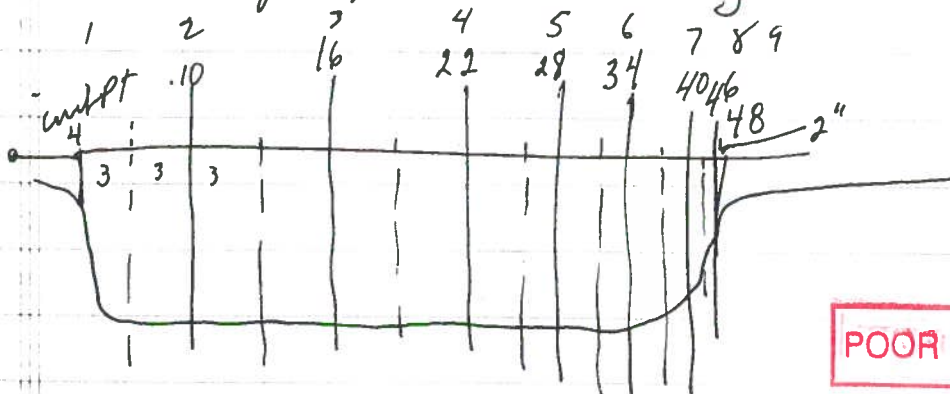
(2) Erosive stream-- non-sod forming crops.

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NOV 01 1994

8-3-92

Roll 3

Pic #5 P/D for High line ditch. looking NE



1	Init Pt	REV	SEC	DEPTH	P/D	Ditch near capacity
2	250	26.94	4 1/2			Measured approx 250 gals so far 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/D.
7		23.81	4 1/2			
		21.8				
8		53.53	4			
		50.62				
9						

BANK

MICROFILMED

NOV 01 1997

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

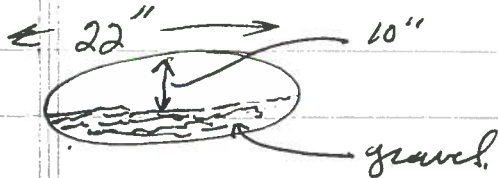
MICROFILMED
 NOV 0 1 1994

72-08171
8-3-93

2/4

Big Ditch di. (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 dit. di. E North edge
of P/U. Also saw mill creek channel (tree line left to center)

on mining after development.

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

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

Roll #4 #1 repeat of last pic

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

MICROFILMED
NOV 01 1994

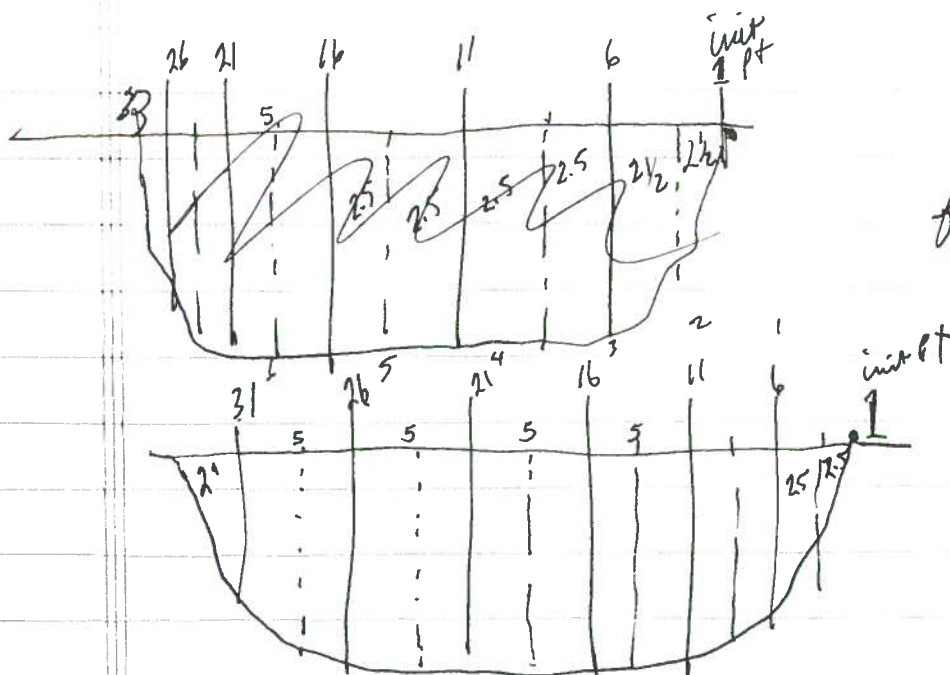
NAME OF STREAM OR DITCH ----- MORGAN CR, TO P/U EAST OF CREEK
 LOCATION ----- EASTERN DITCH OF 2 FROM SAME P/D
 PURPOSE OF MEASUREMENT -- ADJUDICATION REVIEW
 BASIS OF VELOCITY CALCULATIONS
 IF YOU ARE USING A PYGMY METER ENTER ----- 1
 IF YOU ARE USING A AA METER ENTER ----- 2
 ENTRY ----- = 1
 FOLLOWING THE LAST ENTRY IN:
 "DISTANCE FROM INIT PT" ENTRY MUST = "END"

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) -

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	
		0.08	0.50	0.25	30	26.2		0.21	0.052				
		0.50	0.60		30	20.8		0.42	0.208	1.15		0.57	0.03
		0.92	0.67		30	18.5		0.42	0.252	1.44		1.15	0.24
		1.33	0.71		30	19.6		0.42	0.278	1.62		1.44	0.36
		1.75	0.71		30	23.8		0.42	0.295	1.53		1.62	0.45
		2.17	0.67		30	28.4		0.42	0.295	1.26		1.53	0.37
		2.58		0.33				0.42	0.278	1.06		1.26	0.29
		3.00						0.21	0.069			1.06	0.04
END												0.53	
													2.24

MICROFILMED
 NOV 8 1994

3/4 5-3-23



eastern most ditch of 2
from same P/O

POOR ORIGINAL

Stat	Depth	Rev	Sec	Notes
1	6"	38	25.94	water clear bottom smooth gravel sides vertical minimal veg.
			26.43	location approx 40' from P/D
2	7 1/4"		20.88	approx 40 to 50% of capacity. var.
			20.66	diversion gate partially closed
3	8		18.54	Reel 4 pic taken looking NNE
			18.46	
4	8 1/2		19.78	
"			19.5	
5	8 1/2		24.06	
			23.53	
6	8		27.90	
			28.84	

MICROFILMED

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

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) -

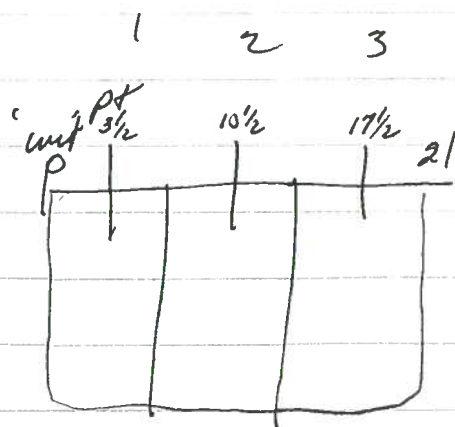
BASIS OF VELOCITY CALCULATIONS ----- 1
IF YOU ARE USING A PYGMY METER ENTER ----- 1
IF YOU ARE USING A AA METER ENTER ----- 2
ENTRY ----- = 1

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 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		0.35				0.15	0.052			0.55	0.03
		1.75											
END													0.91

MICROFILMED
NOV 01 1994

4/4
8-3-93

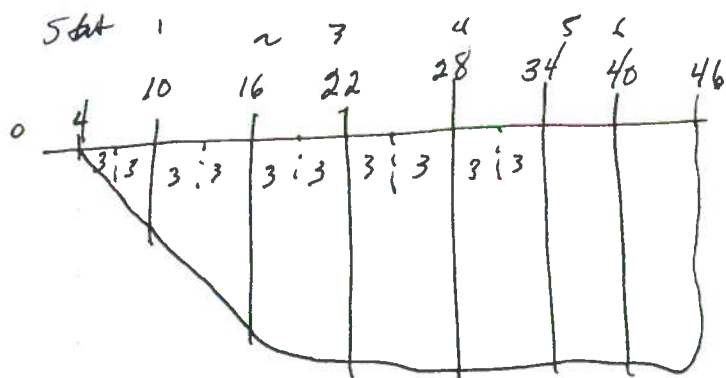


2nd ditch closest to
Morgan Creek flowing
near capacity.

POOR ORIGINAL

stat	depth	Rev	Sec	
1	8	30	56.40	Water clear Bottom flat & sandy
			57.03	sides vertical veg. chardow
				measured apart 15' from P/O
2	8		34.10	measurement good
			35.35	
3	8 1/2		27.29	
			27.72	1 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.

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

POCC ORIGINAL

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 here to be channel as measured late in season. est 25% greater capacity when cleared.

MICROFILMED

NOV 01 1994

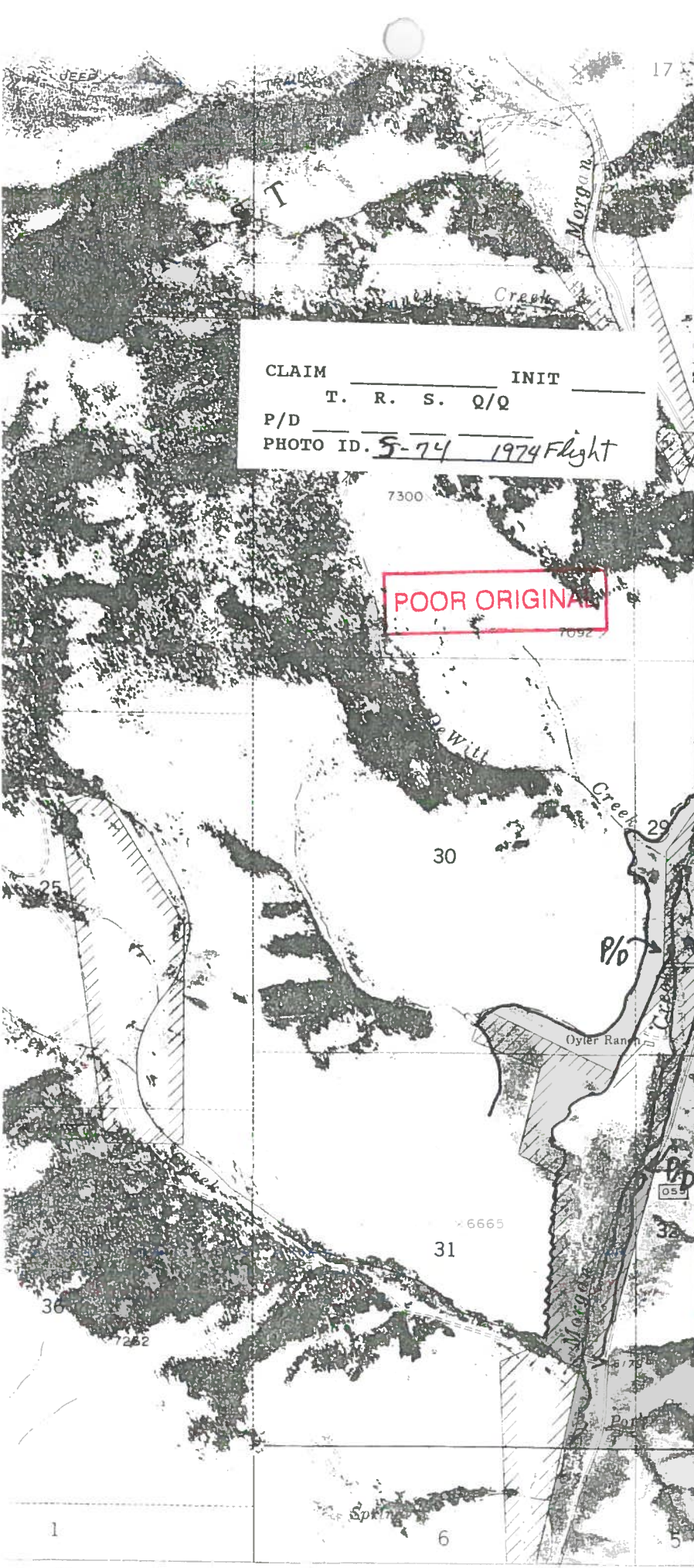
NAME OF STREAM OR DITCH ----- MORGAN CREEK, LOCALLY CALLED THE MAIN DITCH
 LOCATION ----- MEASURED 50 FT INTO PLACE OF USE
 PURPOSE OF MEASUREMENT --- ADJUDICATION REVIEW
 BASIS OF VELOCITY CALCULATIONS
 IF YOU ARE USING A PYGMY METER ENTER ----- 1
 IF YOU ARE USING A AA METER ENTER ----- 2
 ENTRY ----- = 1
 FOLLOWING THE LAST ENTRY IN:
 "DISTANCE FROM INIT PT" ENTRY MUST = "END"

WATER RIGHT NUMBER IF APPLICABLE ----- A72-00171, & 00172.
 AGENT CONDUCTING MEASUREMENT & DATE --- KKC 9-22-93
 ACCOMPANIED BY ----- NO ONE
 PREMEASUREMENT SPIN TEST (MIN/SEC) ---
 POST MEASUREMENT SPIN TEST (MIN/SEC) -

INITIAL POINT	ANGLE OF 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			1ST POINT VELOCITY	2ND POINT VELOCITY	MEAN VELOCITY	
	0.33	0.38	0.19	20	86.2		0.25	0.067	0.23		0.12	0.01
	1.33	0.67		60	62.5		0.50	0.188	0.23		0.23	0.04
	1.83	0.88		60	45.1		0.50	0.333	0.96		0.96	0.32
	2.33	0.92		60	39.2		0.50	0.437	1.33		1.33	0.58
	2.83	0.88		60	42.3		0.50	0.458	1.53		1.53	0.70
	3.33	0.88		60	49.6		0.50	0.438	1.42		1.42	0.62
	3.83	0.88	0.44	60			0.50	0.438	1.21		1.21	0.53
END							0.25	0.109			0.60	0.07
												2.87

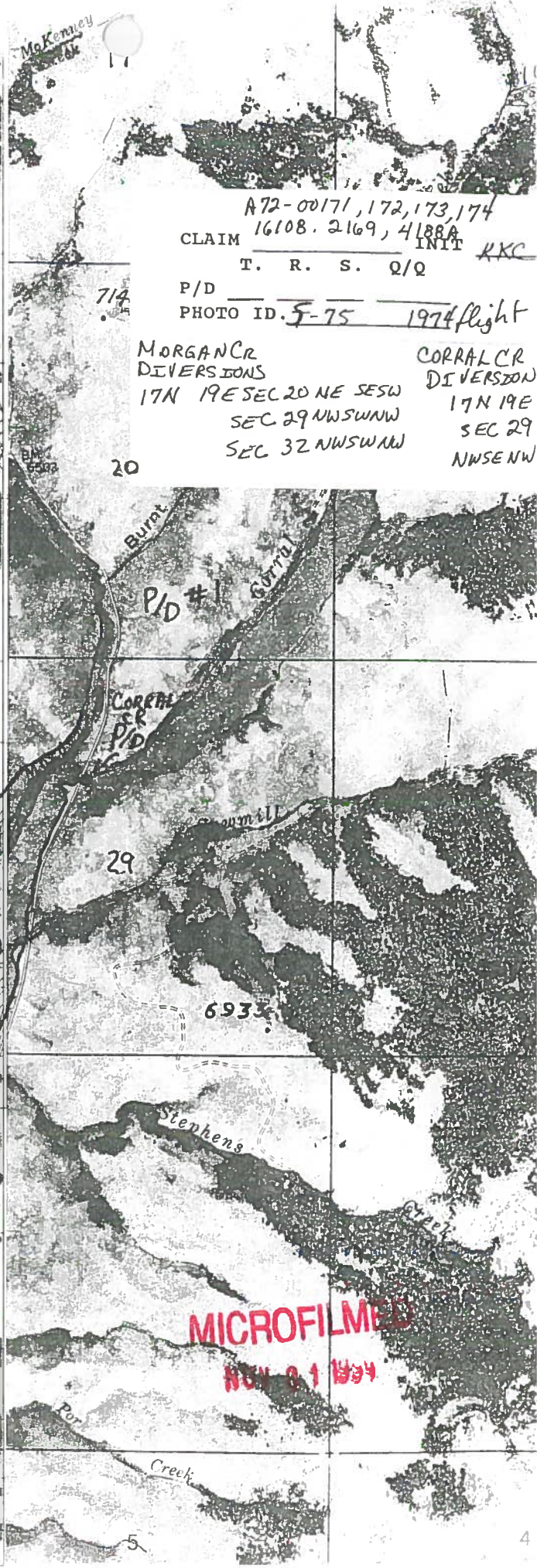
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NOV 01 1994



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

POOR ORIGINAL



A72-00171, 172, 173, 174
CLAIM 16108, 2169, 4188A INIT KXC
T. R. S. Q/Q

P/D _____
PHOTO ID. 5-75 1974 flight

MORGAN CR DIVERSIONS 17N 19E SEC 20 NE SESW SEC 29 NWSWN SEC 32 NWSWN	CORRAL CR DIVERSION 17N 19E SEC 29 NWSWN
---	--

MICROFILMED
NOV 21 1984

CLAIM #72-00111-1c INIT KKC

T. R. S. Q/Q
P/D See quad map in legal.
PHOTO 4SDA-F 1789-120
DT. & ID. 9-4-91 flight

POOR COPY

P/D #1
HIGH LINE
DITCH

MEASUREMENT

DEWITT CREEK

P/D #2
CORRAL CREEK
MEASUREMENT

P/D #4
BIG DITCH

MORGAN CREEK

MIXED
P/D #3

P/D #3

2 DITCHES SAME DAY

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

30 } concurrent
 irr,
 some tail water from
 high line ditch reaches
 the main ditch on some
 sets.

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

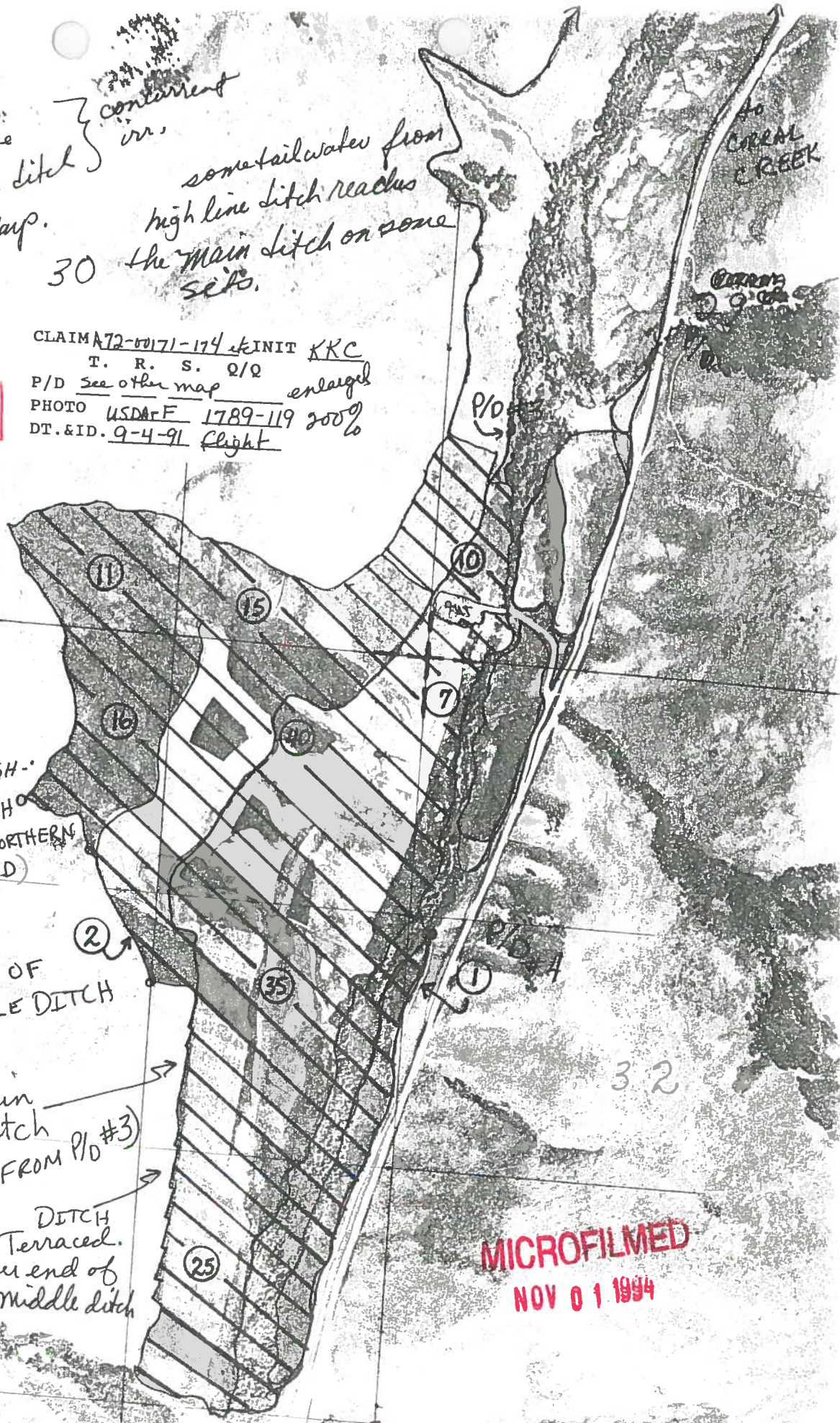
POOR ORIGINAL

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

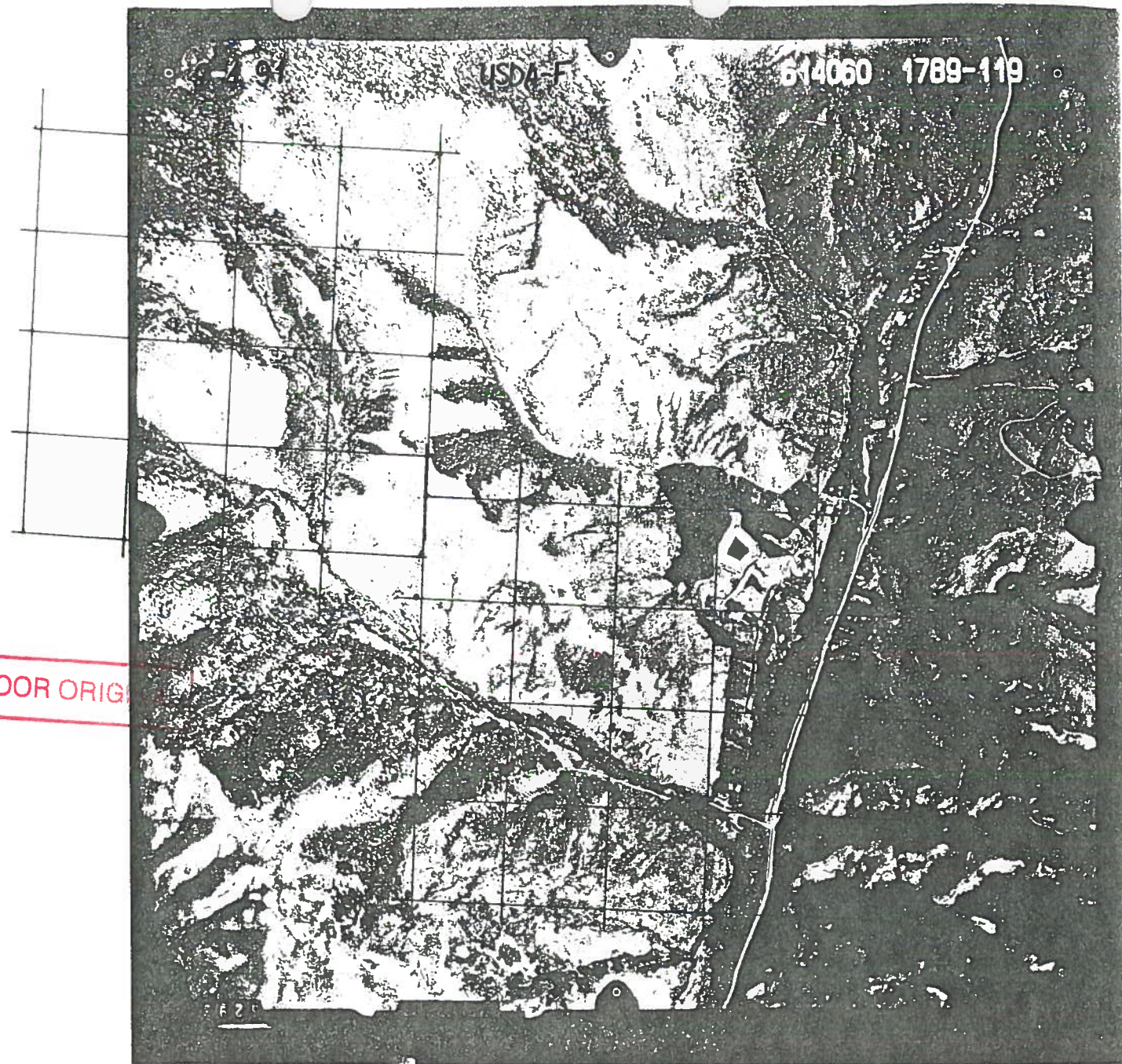
END OF
 MIDDLE DITCH

Main
 Ditch
 (FROM P/D #3)

DITCH
 Terraced
 after end of
 middle ditch



MICROFILMED
 NOV 01 1994



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%

MICROFILMED

NOV 01 1994

For A72-

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

POOR ORIGINAL

A72-00171, 172, 173, 174
 CLAIM 16108, 2169, 4188A INIT KXC
 T. R. S. Q/Q
 P/D _____
 PHOTO ID. 5-75 1974 flight

MORGAN CR DIVERSTIONS	CORRAL CR DIVERSTION
17N 19E SEC 20 NE SESW	17N 19E
SEC 29 NWSW NW	SEC 29
SEC 32 NWSW NW	NWSE NW

MICROFILMED
 NOV 01 1995

