

10/17/2006

IDAHO DEPARTMENT OF WATER RESOURCES
PRELIMINARY RECOMMENDATION OF WATER RIGHTS ACQUIRED UNDER STATE LAW

RIGHT NUMBER: 63-8579

NAME AND ADDRESS: EARNEST HERMAN
3375C SOUTHSIDE BLVD
MELBA ID 83641

RUSSELL HERMAN
3375C SOUTHSIDE BLVD
MELBA ID 83641

SOURCE: GROUND WATER

TRIBUTARY:

QUANTITY: 1.500 CFS
717.00 AFY

This right when combined with all other rights shall provide no more than .02 cfs per acre nor more than 4.5 afa per acre for irrigation of the lands above.

Right Nos. 63-8579 and 63-9072 are limited to a total combined annual diversion volume of 781.65 AF.

PRIORITY DATE: 02/28/1977

POINT OF DIVERSION:

T01N R02W S14 SENE Within CANYON County
T01N R02W S24 NENE Within CANYON County

PURPOSE AND
PERIOD OF USE:

<u>PURPOSE OF USE</u>	<u>PERIOD OF USE</u>	<u>QUANTITY</u>
IRRIGATION	3/15 11/15	1.500 CFS 717.00 AFY

The use of water for irrigation under this right may begin as early as March 1, provided other elements of the right are not exceeded. The use of water before March 15 under this remark is subordinate to all water rights having no subordinated early or late irrigation use and a priority date earlier than the date a partial decree is entered for this right.

PLACE OF USE: IRRIGATION Within CANYON County

T01N R02W S14	SENE	9.90	T01N R02W S14	NESE	34.10
T01N R02W S24	NENE	27.00	T01N R02W S24	NWNE	30.20
T01N R02W S24	NENW	38.60	T01N R02W S24	NWNW	33.90
173.7 ACRES TOTAL					

Right Nos. 63-8579 and 63-9072 are limited to the irrigation of a combined total of 173.7 acres in a single irrigation season.

OTHER PROVISIONS NECESSARY FOR DEFINITION OR ADMINISTRATION OF THIS WATER RIGHT:

This partial decree is subject to such general provisions necessary for the definition of the rights or for the efficient administration of the water rights as may be ultimately determined by the Court at a point in time no later than the entry of a final unified decree. Section 42-1412(6), Idaho Code.

EXPLANATORY MATERIAL: BASIS OF CLAIM - License

Right includes accomplished change in point of diversion pursuant to Section 42-1425, Idaho Code.

Use of this right is combined with water from Boise-Kuna Irrigation District.

Prior to diversion of water under this right, the right holder shall install and maintain a measuring device and lockable controlling works of a type acceptable to the Department as part of the diverting works.



Idaho Department of Water Resources

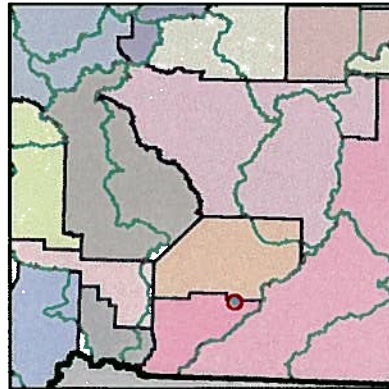
SRBA Recommendation:

63-8579

(Irrigation)

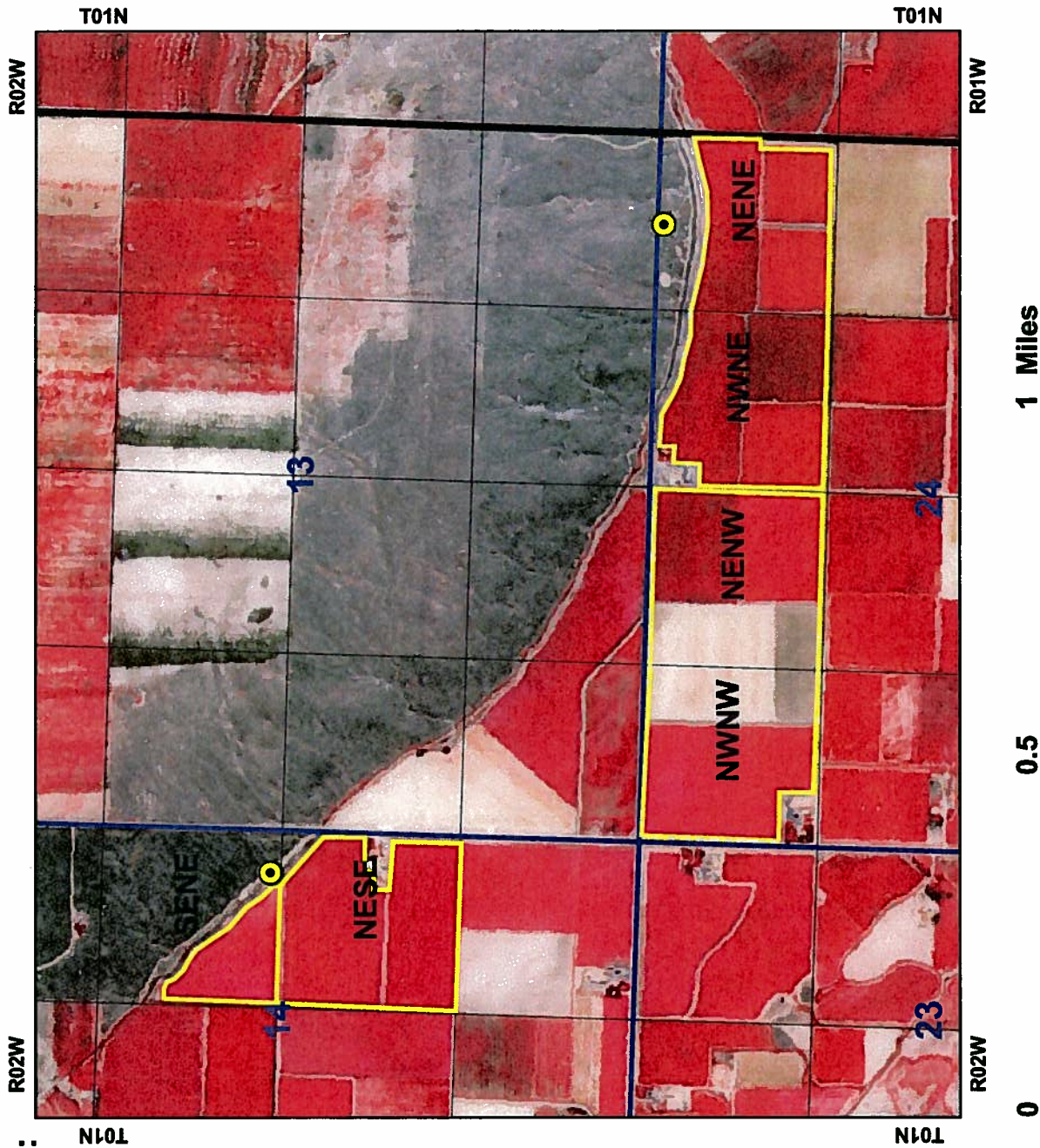
Legend

- Point of Diversion
- Place of Use
- Townships
- PLS Sections
- Quarter Quarters



Canyon County
IDWR Basin 63

Prepared by M. Ciscell
On Tuesday, October 17, 2006
1987/88 Aerial Photography



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: A63-08579
Date Received: 1/03/1990
Receipt No: W007337-67336
Received By: LA

NOTICE OF CLAIM TO A WATER RIGHT
ACQUIRED UNDER STATE LAW

1. Name: EARNEST HERMAN 208-495-2717
Address: 3375C SOUTHSIDE BLVD.
MELBA, ID 83641

OR

Name: RUSSELL HERMAN 208-495-2530
Address: 3375C SOUTHSIDE BLVD.
MELBA, ID 83641

2. Date of Priority: FEB 28, 1977

3. Source: GROUNDWATER Trib. to:

4. Point of Diversion:

Township	Range	Section	1/4 of	1/4 of	1/4	Lot	County
01N	02W	24	NE	NE			CANYON

5. Description of diverting works:
600' DEEP, 125 HP PUMP

6. Water is used for the following purposes:

Purpose	From	To	C.F.S	(or)	A.F.A.
IRRIGATION	03/15	11/15	1.500		717.00

7. Total Quantity Appropriated is:
1.500 C.F.S. (and/or) 717.00 A.F.A.

8. Total consumptive use is 607.9 Acre Feet Per Annum.

9. Non-irrigation uses:

10. Place of Use:

Township	Range	Section	1/4 of	1/4	Lot	Use	Acres
01N	02W	14	SE	NE		IRR	9.9
			NE	SE		IRR	34.1
						Section Acres	44.0
		24	NE	NE		IRR	27.0
			NW	NE		IRR	30.2
			NE	NW		IRR	38.6
			NW	NW		IRR	33.9
						Section Acres	129.7
						Total Acres	173.7

11. Place of use in counties: CANYON

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

13. Other Water Rights Used:
BOISE-KUNA IRR. DIST.

14. Remarks:
TOTAL NUMBER OF ACRES LISTED ON LICENSE SHOWS 163.8. THIS IS
INCORRECT. THE TOTAL NUMBER OF ACRES IRRIGATED IS 173.7. WHEN
THIS WAS ADDED THE 9.9 ACRE PARCEL MUST HAVE BEEN LEFT OUT.

15. Basis of Claim: LICENSE

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: 1

For Individuals:

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

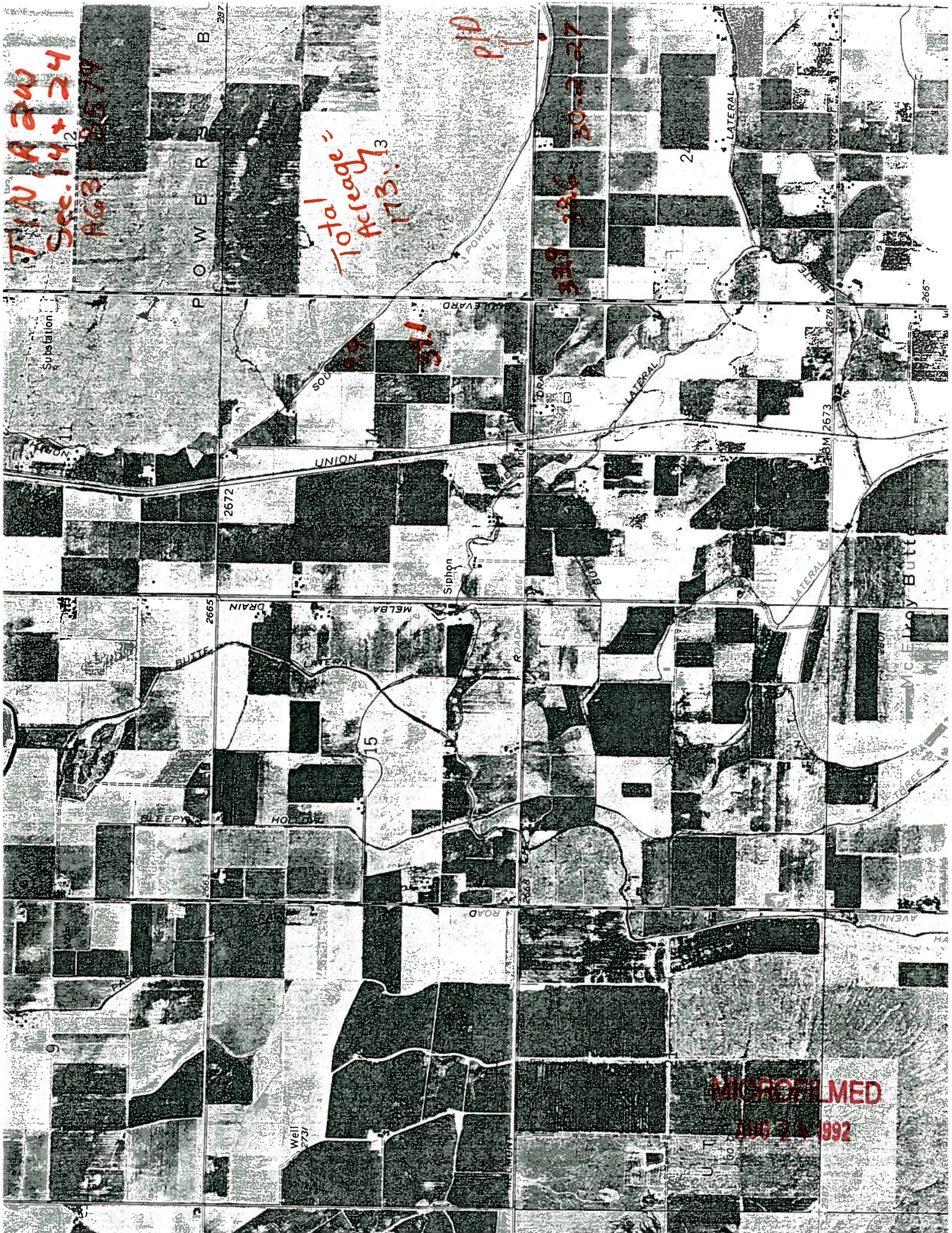
Signature of Claimant(s): + Russell Hermer Date: + 1/3/90
Ernest Hermer Date: 1-3-90

State of Idaho)
County of Ada) SS.

Subscribed and sworn (or affirmed) before me this 3 day
of Jan 19 90 Linda Werner
Notary Public

Seal

Residing at Linda A. Werner
Residing at Boise, Idaho
My Commission Expires December 8, 1994



T1N, R2W
Sec. 14 + 24
AG 3-8579

Total Acreage =
173.13

P.O.

32.9 38.6 30.7 27

34.1

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AUG 24 1992

ADJUDICATION CLAIM CHECKLIST

NOTICE OF CLAIM NO.

463-08579

FIELD EXAM
Y/N-IF NO,
DO OFFICE
VERIFICATION

FIELD EXAM
OR IN-OFFICE
VERIFICATION
WHOM/DATE

CLAIM
VERIFIED BY
CODE
(SEE BELOW)

CHANGE
CLAIM
Y/N

CLAIMANT CONTACT
NEEDED - Y/N**

REVIEW
COMPLETED
WHOM/DATE

"R" RECORD

PRIORITY* N

PT. OF DIV. N

SOURCE N

PL. OF USE N

DIV. AMOUNT N

CFS/AF N

CONSUMPTIVE Y

USE Y

NATURE OF N

USE N

PERIOD OF N

USE N

BASIS OF N

CLAIM N

REMARKS N

DATA ENTRY COMPLETE

BY DATE

FINAL RECOMMENDATION

BY DATE

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

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

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

COMMENTS:

Water Right Number - 63-08579

Prefix Translation: WATER RIGHT

Old (D) Number -

*** C - CURRENT OWNER ***
HERMAN

EARNST

HERMAN

RUSSELL

1 - RT. 1
2 -
3 -
City- MELBA
Phone -
1 - RT. 1
2 -
3 -
City- MELBA
Phone -
State- ID Zip- 83641
State- ID Zip- 83641

Priority Date 02/28/1977

Region 14 WESTERN

Stage L - LICENSE

Status

Source GROUNDWATER

Twn	Rng	Sec	Tract	Lot	Rflg	County	Point of Diversion	Diversion Name	Diversion Rate	Diversion No.
01N	02W	24	NE NE	(27)	CANYON					

Code	Description	Period From	Period To	Water Use	Diversion Rate	Diversion Volume
01 - IRRIGATION		03/15	11/15		1.500	717.00
Total Div. Rate		Total Div. Volume		Total Div. Capacity		
1.500		717.00		1.500		

Twn	Rng	Sec	Tract	Lot	Acres	Place of Use	Code	Description	County
01N	02W	14	SE NE		9.9		01	IRRIGATION	(27) CANYON
01N	02W	14	NE SE		34.1		01	IRRIGATION	(27) CANYON
01N	02W	24	NE NE		27.0		01	IRRIGATION	(27) CANYON
01N	02W	24	NW NE		30.2		01	IRRIGATION	(27) CANYON
01N	02W	24	NE NW		38.6		01	IRRIGATION	(27) CANYON
01N	02W	24	NW NW		33.9		01	IRRIGATION	(27) CANYON
Total Acres:					173.7				

+ - - Diversion Means -
+ - - Non-Irrigation Use -
+ - - Other Rights for Same Use - BOISE-KUNA IRR. DIST.

Prefix Translation: WATER RIGHT

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

Decree Plaintiff	Decree Defendant	Decree Date
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++ - - Audit Fields - 08/05/88 10/04/88

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

Proof Due Date	-	05/01/1982	Field Exam Made	-	09/25/1986	Field Exam Fee	-
Approved/Denied	-	05/04/1977	Protested Date	-	00/00/0000	Swan Falls	-
Proof Made Date	-	03/08/1982	Hearing Date	-	00/00/0000	Temporary Right	-
Exam to S.O. Date-	-	00/00/0000	Verified Date	-	06/03/1985	DLE/Carey Act	-
Order Show Cause	-	00/00/0000	Receipt Number	-		Water District	-
Licensed Date	-	12/12/1988	Appl Received	-	11/02/1977	Transfer/Amended	-
Decree Date	-	00/00/0000	Name Connector	-		POU Ownership Flag-	
Presumption Flag	-						

ATTACHMENT A

SRBA CLAIM CHECK PER BENEFICIAL USE EXAM

EXAMINER C. Hodges DATE SUBMITTED _____
ADJUDICATION AGENT _____ RESPONSE DUE DATE _____
COUNTY Canyon OWNER'S NAME Herman

PERMIT DATA	<u>T</u>	<u>R</u>	<u>S</u>	<u>Q/Q</u>	<u>T</u>	<u>R</u>	<u>S</u>	<u>Q/Q</u>
P/D	_____	_____	_____	_____	_____	_____	_____	_____
P/U	_____	_____	_____	_____	_____	_____	_____	_____

ADJUDICATION DATA RELATING TO THIS PERMIT NUMBER

A. Check Permit Number for Adjudication Claim Filing

- ☐ Claim required for permit but not filed
(examiner needs to notify permit holder during exam)
☐ Claim filed for permit and copy attached *
☐ Claim filed although not required (proof filed after 11-19-87)
☒ No claim filed or required.

B. Check Adjudication Claims Relating to the Permit Holder but are Different Claims (new number - different right)

- ☒ Name index search
☐ Non-data entry claims search
☐ Claim found but large system no exam required *

Claims found requiring exam	Date field exam conducted	Exam data is in, Permit file Attached
--------------------------------	------------------------------	--

<u>A63-20057</u> Adj No.	<u>11/10/92</u>	☐ ☒
<u>A63-20060</u> Adj No.	_____	☐ ☒
<u>A63-20061</u> Adj No.	_____	☐ ☒
<u>A63-8579</u>	_____	☒ (63-10683)
<u>A63-9072</u>	_____	_____

* Copies included only if pertinent to permit field exam

See 63-10683 B/U exam - wells #1 & 2 integrated in this system prior to 1987 per 1986 field exam Statement by Sherl Chapman that Sec (#2) well used to exchange canal water on upper land well #3 used only on 63-10683 for additional flow

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 63-08579

Priority: February 28, 1977 Amount: 1.50 CFS 717.0 AFA

This is to certify, that EARNEST HERMAN
RUSSELL HERMAN

RT. 1
MELBA, ID 83641 has complied with the terms and conditions of the permit issued pursuant to Application for Permit dated November 2, 1977, and has submitted proof to the Department of Water Resources on March 8, 1982, that water has been applied to a beneficial use; an examination by the Department indicates that the works have a diversion capacity of 1.500 cfs of water from a GROUNDWATER source and that a water right has been established as follow:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE OF DIVERSION</u>	<u>VOLUME</u>
IRRIGATION	03/15 to 11/15	1.50 CFS	717.0 AFA

LOCATION OF POINT OF DIVERSION(S): NENE , Sec. 24, Township 01N, Range 02W
CANYON County

PLACE OF USE: IRRIGATION

<u>TWN</u>	<u>RGE</u>	<u>SEC</u>	<u>ACRES</u>	<u>ACRES</u>	<u>ACRES</u>	<u>TOTAL</u>
01N	02W	14	SENE 9.9	NESE 34.1		44
		24	NENE 27	NWNE 30.2	NENW 38.6	129.7
			NWNW 33.9			

Total number of acres irrigated: 163.8

CONDITIONS/REMARKS:

1. The right to the use of water hereby confirmed is limited to the amount which can actually be beneficially used and is restricted and appurtenant to the lands or place of use and to the purpose herein described, as provided by the laws of Idaho.
2. This right is subject to all prior water rights and may be forfeited by five years of non-use.
3. Modifications to or variance from this license must be made within the limits of Section 42-222, Idaho Code, or the applicable Idaho law.
4. This right when combined with all other rights shall provide no more than .02 cfs per acre nor more than 4.5 afa per acre for the lands above.

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DEC 20 1988

WATER RIGHT LICENSE

WATER RIGHT NO. 63-08579

CONDITIONS/REMARKS:

This license is issued pursuant to the provisions of Section 42-219, Idaho Code.
Witness the seal and signature of the Director, affixed at Boise, this 12TH
day of DECEMBER, 1988.

Acting for the Director



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DEC 20 1988

Receipt # 9706

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

APPLICATION FOR AMENDMENT

Permit No. 63-8579

Comes now Earnest and Russell Herman of (address) _____
Melba, Idaho, and represents to the Director of
the Idaho Department of Water Resources:

That he is the owner and holder of Permit to appropriate the Public Waters of the State of Idaho No. 63-8579, and requests that the permit and permit map be changed as follows:

1. Point of diversion: SE $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 14 Twp. 1N
Rge. 2W, B. M., County of Canyon. Other points of diversion:
NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec 14, NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec 24 T1N R2W

2. Period and nature of use: (irrigation, domestic, stockwatering, industrial, etc.)

No change

Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)

Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)

Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)

Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)

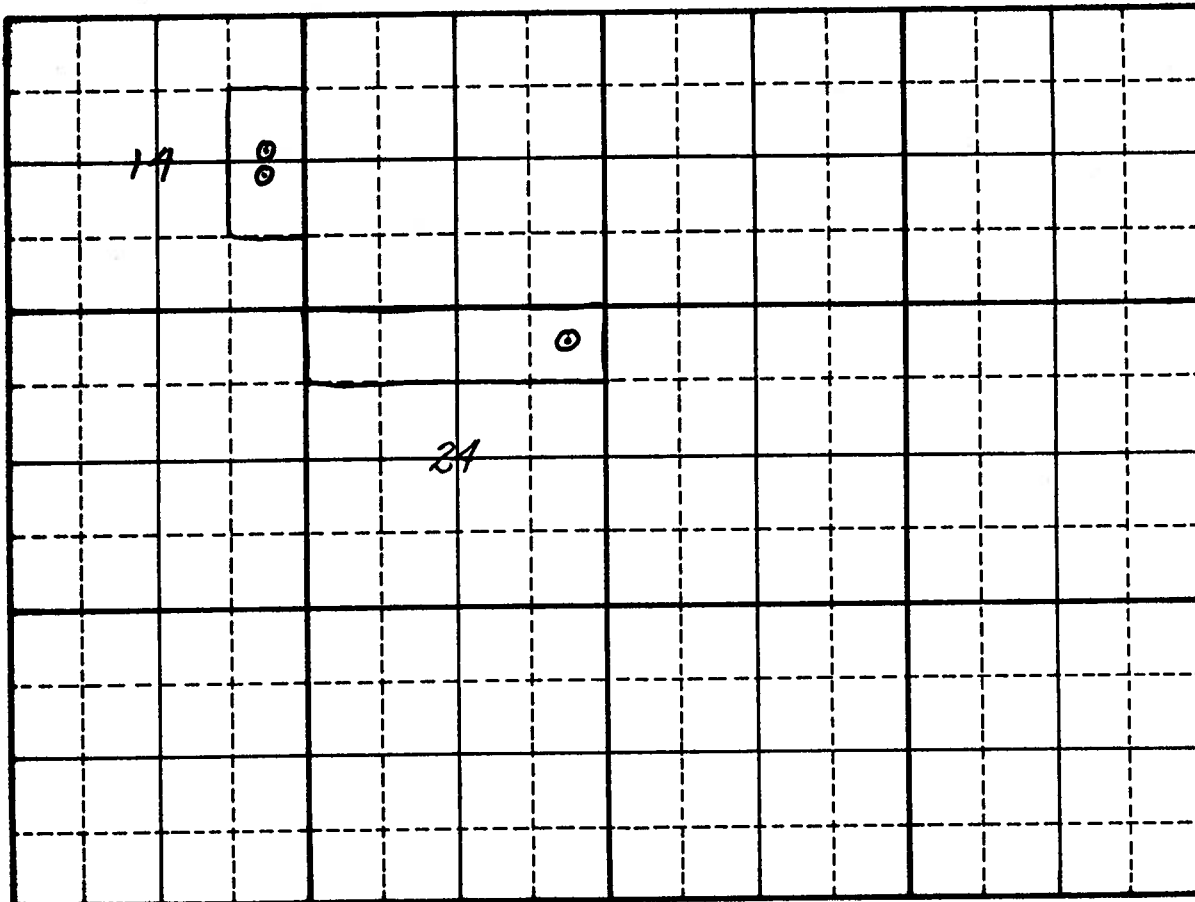
(cfs or acre feet per annum)

3. Place of use or land to be irrigated: *No change*

[illegible]

Total number of acres to be irrigated

Complete the following map by showing land and point of diversion as proposed by this amendment. Show 40-acre subdivisions, townships, ranges and ditches.



Scale: 2 inches equal 1 mile

That no one will be injured by such change, and that such change will be made at permit holders own risk.

Signed at Boise, this 13 day of December, 19 77.

Russell Hansen
(signature)

ACTION OF THE DIRECTOR, DEPARTMENT OF WATER RESOURCES
Chief, Operations Bureau

I, BOBBY D. FLEENOR, ~~DIRECTOR~~ of the Department of Water Resources
hereby APPROVE the above application for amendment on Permit No. 63-8579.

Witness my hand this 23 day of January, 19 78.

Bobby D. Fleenor
~~DIRECTOR~~
Chief, Operations Bureau

Identification No. _____

Application No. 63-8579

STATE OF IDAHO
DEPARTMENT OF WATER ADMINISTRATION
APPLICATION FOR PERMIT

APPROVED

To Appropriate the Public Waters of the State of Idaho
(TYPE OR PRINT IN INK)

1. Name of applicant Earnest Herman and Russell Herman
post office address Melba, Idaho
2. Source of water supply Ground Water which is a tributary of -----
3. a. Location of point of diversion is NE $\frac{1}{4}$ of NE $\frac{1}{4}$ of Section 24 Township 1N
Range 2W B.M. Canyon County; additional points of diversion if any: None from ground water
- b. If water is not consumed, it will be discharged into No Discharge at a point in _____ $\frac{1}{4}$ of _____ $\frac{1}{4}$ of Section _____ Township _____ Range _____ B.M. _____
4. Water will be used for the following purposes:
Amount 2.5 for Irrigation purpose from March 15 to Nov. 15 (both dates inclusive)
(cfs or acre-feet per annum)
Amount _____ for _____ purpose from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)
Amount _____ for _____ purpose from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)
5. Total quantity to be appropriated:
a. 2.5 cubic feet per second and/or
b. _____ acre feet per annum.
6. Proposed diverting works:
a. Description of ditches, flumes, pumps, headgates, etc. Deep well, line shaft vertical turbine pump 3 phase electric motor or 100 HP diesel power plant
- b. Height of storage dam N/A feet, active reservoir capacity _____ acre feet; total reservoir capacity _____ acre feet, materials used in storage dam: _____
Period of year during which storage will occur _____ to _____ inclusive.
(Mo. Day) (Mo. Day)
- c. Proposed well diameter is 14 inches; proposed depth of well is 300 feet.
7. a. Time required for the completion of the works and application of the water to the proposed beneficial use is 5 years.
b. Estimated construction cost is \$ 15,000.
8. Description of proposed uses: N/A
a. If water is not for irrigation:
(1) Give the place of use of water: _____ $\frac{1}{4}$ of _____ $\frac{1}{4}$ of Section _____ Township _____
Range _____ B.M. _____
(2) Amount of power to be generated: _____ hp under _____ feet of head.
(3) List number of each kind of livestock to be watered _____
(4) Name of municipality to be served _____, or number of families to be supplied with domestic water _____.
(5) If water is to be used for other purposes describe: _____

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b. If water is for irrigation, indicate acreage in each subdivision in the tabulation below:

TWP.	RANGE	SEC.	NE 1/4				NW 1/4				SW 1/4				SE 1/4				TOTALS
			NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	
1N	2W	24	40	40			40	40											160
1N	2W	14				40									40				80

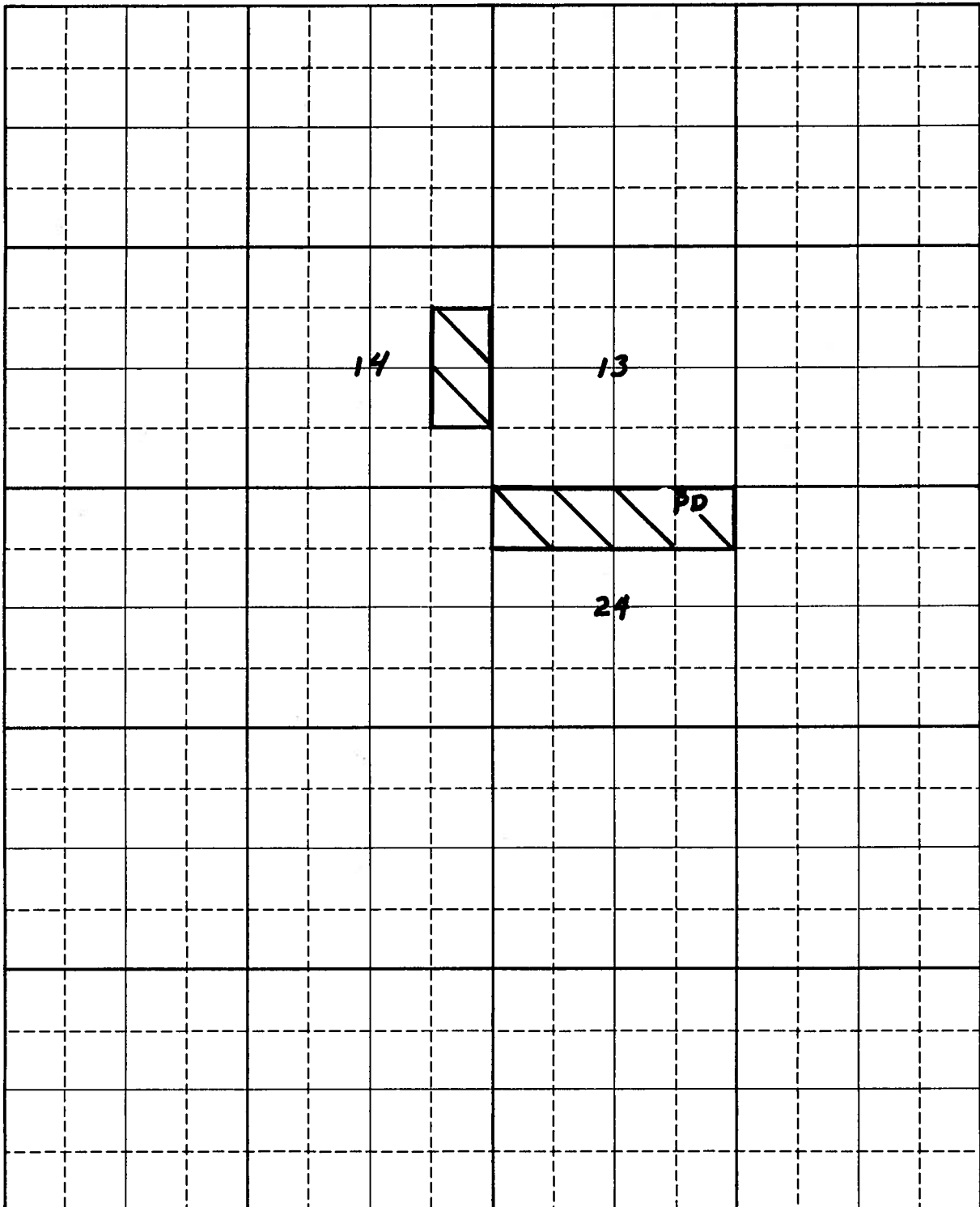
Total number of acres to be irrigated 240

c. Describe any other water rights used for the same purposes as described above. Storage rights
Boise-Kuna Irrigation District

9. a. Who owns the property at the point of diversion Applicant
 b. Who owns the land to be irrigated or place of use Applicant
 c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing _____

10. Remarks This filing is made to provide supplemental water for irrigated land within the boundaries of the Boise-Kuna Irrigation District. Because of the severe drouth conditions that presently exist additional water supplies will be necessary to insure crop fruition. If drouth conditions continue as projected, this system may be the only source of supply for the land outlined under this application.

11. Map of proposed project: show clearly the proposed point of diversion, place of use, section number, township and range number.



Scale: 2 inches equal 1 mile

BE IT KNOWN that the undersigned hereby makes application for permit to appropriate the public waters of the State of Idaho as herein set forth.

Ernest Herman
Russell Herman
(Applicant)

Proposed Priority 2/28/77

Received by if Date 2-28-77 Time 11:45

Preliminary check by YSS Fee \$ 45.00

Receipted by if Date 2-28-77 # 16744

Publication prepared by if Date 3-12-77

Published in Idaho Free Press

Publication dates March 24 & 31

Publication approved if Date 4-11-77

Priority reduced to if Reason if

Protests filed by: if

Copies of protests forwarded by if

Hearing held by if Date if

Recommended for approval denial by YSS jc

ACTION OF THE DIRECTOR, DEPARTMENT OF WATER ADMINISTRATION

This is to certify that I have examined Application for Permit to appropriate the public waters of the State of Idaho No. 63-8579, and said application is hereby APPROVED.

1. Approval of said application is subject to the following limitations and conditions:

- a. SUBJECT TO ALL PRIOR WATER RIGHTS.
- b. Proof of construction of works and application of water to beneficial use shall be submitted on or before May 1, 19 82.
- c. Other: A measuring device of a type approved by the Director shall be permanently installed and maintained as part of the diverting works.
The rate of diversion of water for irrigation under this permit and all other water rights on the same land shall not exceed 0.02 cubic feet per second for each acre of land.

Witness my hand this 4 day of May 19 77.

W. H. H. H. H. H.
Director

STATE OF IDAHO Department of Water Resources
DEPARTMENT OF WATER RESOURCES Regional Office
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

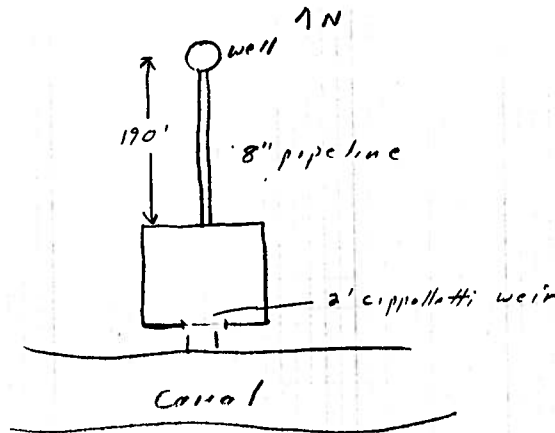
Permit No. 63 8579
Phone No. 495 2717
1. Owner: Ernest & Russell Harmon
Current Address: Route 1, Malheur Id 83641
2. Accompanied by: Russell & Ernest Harmon EXAM. DATE: 9/12/86
Address: Same Phone No. _____
Relationship to Permit Holder: Same
3. Source: Groundwater tributary to _____

B. OVERLAP REVIEW

1. Other water rights with same place of use: Baise Kuna Irrigation Dist. Water & 63-9072 ☐ Copies Attached
2. Other water rights with same point of diversion: None ☐ Copies Attached ☐ Copies of Field Exam's Attached

C. SYSTEM DESCRIPTION

1. Diversion System Diagram: Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable. ☐ Alternative diagram attached



Scale: 1" = Not to Scale

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

☒ Aerial Photo Attached (required for irrigation of 10 acres or more).

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System Description (continued)

3. Narrative: Description (As operating at time of measurement. Indicate pressure, number of sprinklers, etc.)

Drilled well discharges through 8" pipeline to canal where water is distributed. Water measured with a 2' siphon tube. Irrigation is by gravity techniques with siphon tubes. May be pumped directly into canal or into concrete distribution ditches.

☐ See Remarks on page 4 for continuation

- 4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
1	1158 Electric	125	1303910	Wellinc	T 774 22

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

5. Point(s) of Diversion:

Ident. No.	Gov't. Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
1		NE	NE		24	1N	2W	Canyon	MSCS map and field verification

6. Place(s) of Use:

Indicate Method of Determination

Twp.	Rge.	Sec.	NE 1/4				NW 1/4				SW 1/4				SE 1/4				Totals
			NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	
1N	2W	24	27	30.2			38.6	33.7											129.7
"	"	14					9.9								34.1				44
																			173.7

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Do not use this space

Do not use this space

D. FLOW MEASUREMENTS

☐ Additional Data Sheets Attached

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
2' cippolletti weir	contracted	constructed	—	—	24"	—

2. Measurements:

Flow measured over 24" cippolletti weir at 1.50 cfs.
See letter dated Aug 18, 1982 to I.R.W.R. (Copy attached)

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

1. Measured Method:

Staff gage in Cippolletti weir

2. Alternate Method for Checking Purposes:

F. PUMP EFFICIENCY DATA (Optional)

Discharge Pressure: _____ psi x 2.31 = _____ ft (1); Dynamic pumping level: _____ ft (2)

Total Head: (1) + (2) = _____ (3) ; Flow rate: _____ cfs (4)

Water HP: (3) x (4) ÷ 8.8 = _____ (5)

Meter Input KW: 3.6 x _____ KH x _____ CTR or _____ MULT x _____ PTR x _____ N/ _____ T = _____ (6)

Meter Input HP: (6) x 1.34 = _____ (7)

Panel Input KW: _____ Ave PF x _____ Ave Volts x _____ Ave Amps x .001732 = _____ (6)

Panel Input HP: (6) x 1.34 = _____ (7) Efficiency: (5)/(7) x 100 = _____ %

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 123.7 \times 4.5 = 781.65$

$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = 725.96$

$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 725.96$

2. Volume Calculations for Other Uses:

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[illegible]

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Irrigation	3/15	11/15	1.50	4.5
Totals:			1.50 cfs	726

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