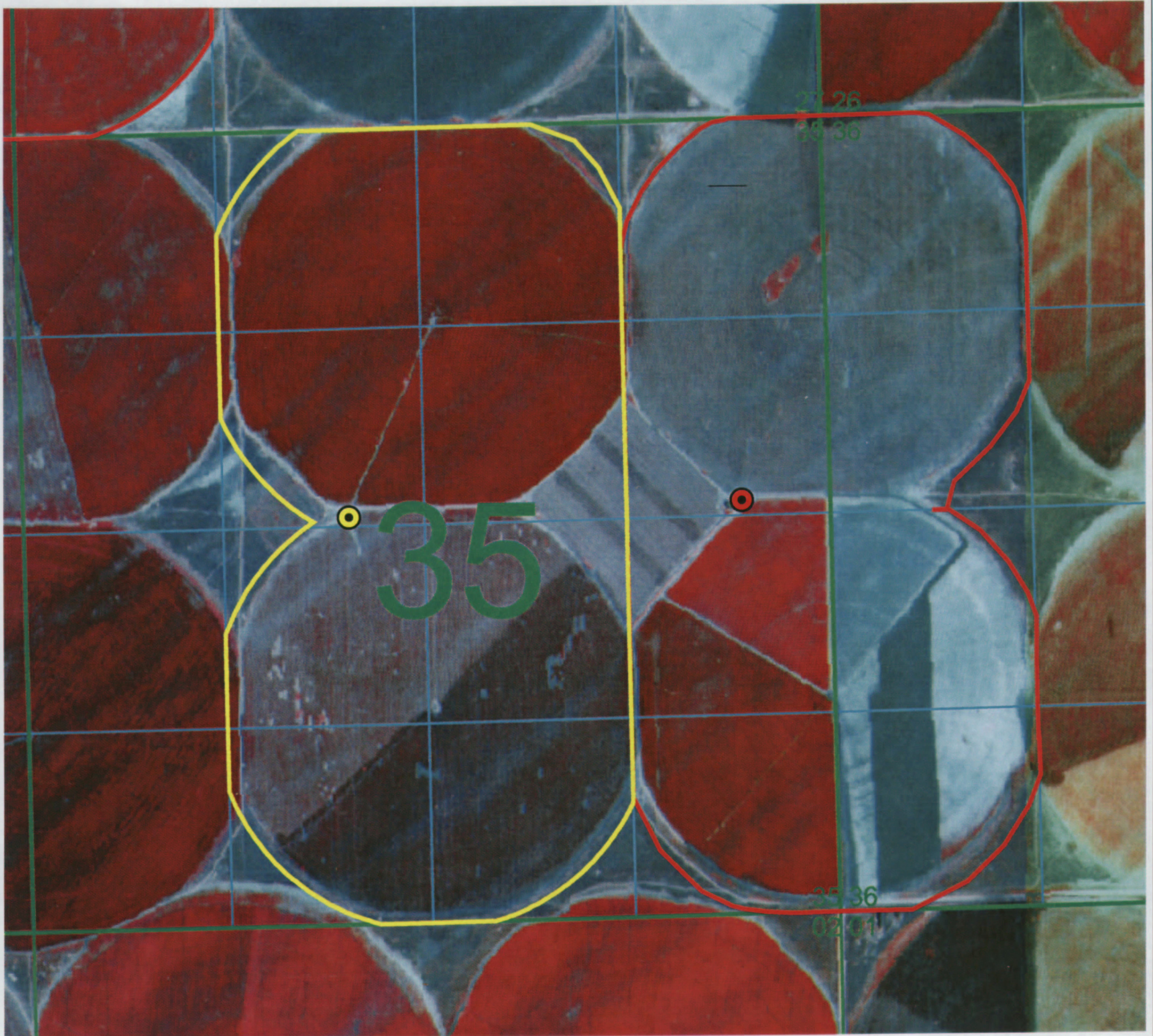
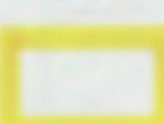
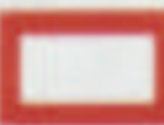


IDAHO DEPARTMENT OF WATER RESOURCES

Water Right 31-02427B

Township 8N Range 36E Section 35



-  Point(s) of Diversion, This WR
-  Other Points of Diversion
-  Place of Use, This WR
-  Other Places of Use
-  Section Lines
-  Quarter-quarter Sections

0 1320 Feet



Prepared by Bryce A. Contor from 1987/1988 NAPP Photography, 6/2000

$$\approx 0.05/\text{acre}$$
$$\approx 0.015/\text{ann}$$

296 acres $4.46 \text{ g/s} \approx 0.015/\text{acre}$

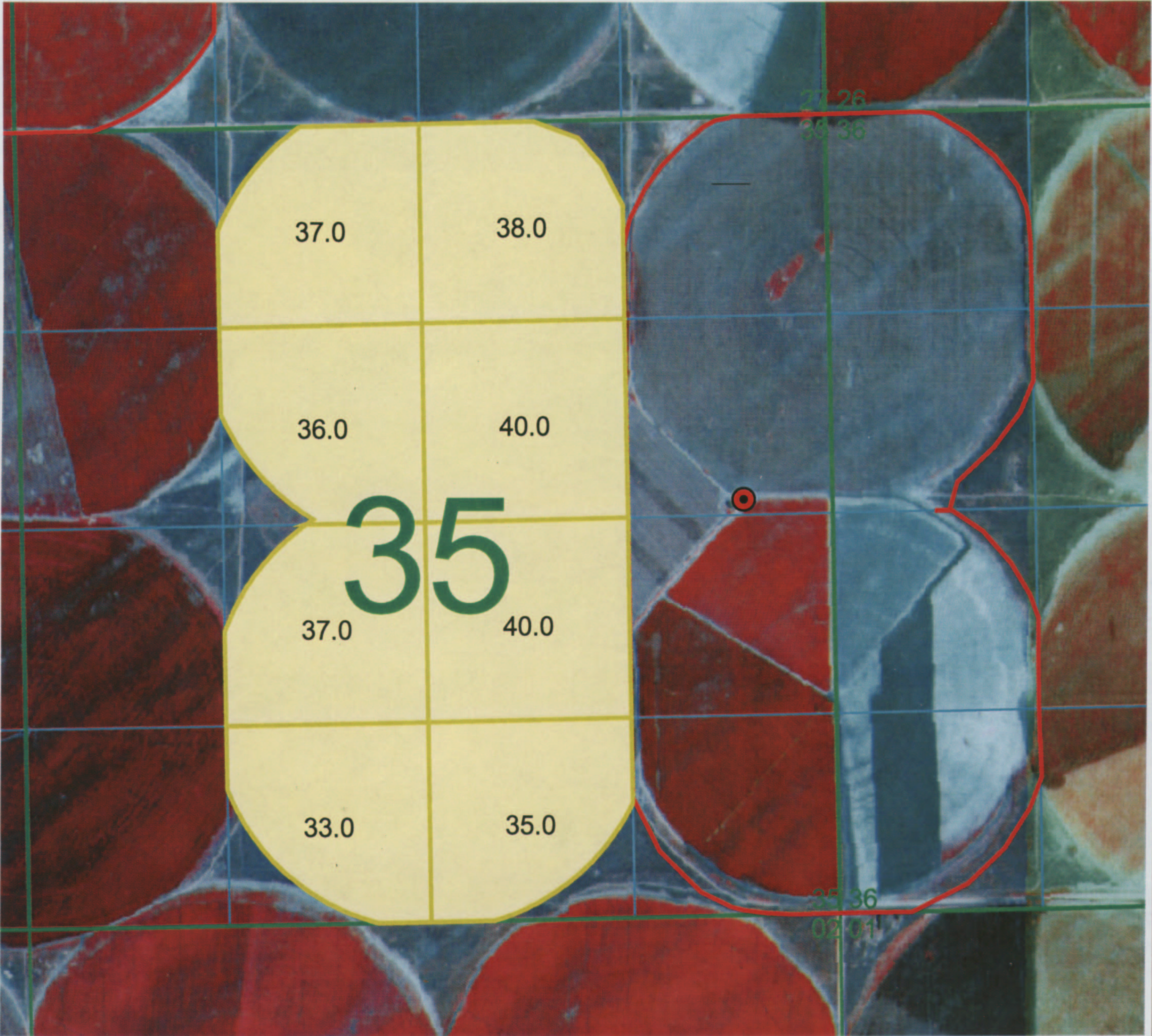
260 acres $5.20 \text{ yds} \approx 0.20 / \text{acre}$

claims Σ of $s = 14.12 =$ overclaimed by 0.75 of s

IDAHO DEPARTMENT OF WATER RESOURCES

Water Right 31-02427B

Township 8N Range 36E Section 35



- Point(s) of Diversion, This WR
- Other Points of Diversion
- Place of Use, This WR
- Other Places of Use
- Section Lines
- Quarter-quarter Sections

0 1320 Feet



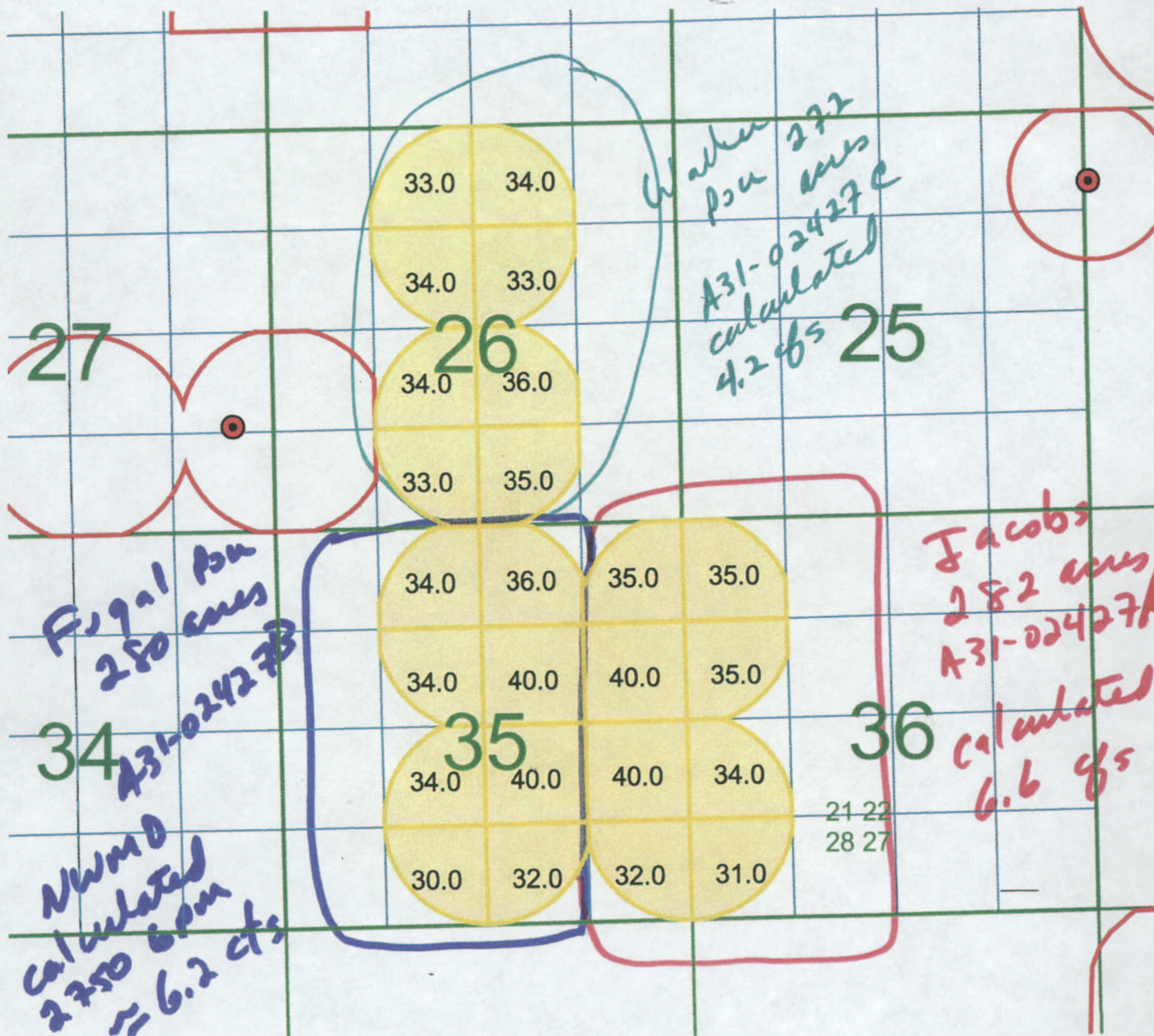
Prepared by Bryce A. Contor from 1987/1988 NAPP Photography, 6/2000

IDAHO DEPARTMENT OF WATER RESOURCES

Water Right 31-02427

Township 8N Range 36E Section 26, 35, and 36

Actual POW
per 1987/88
NAPP



- Point(s) of Diversion, This WR
- Other Points of Diversion
- Place of Use, This WR
- Other Places of Use
- Section Lines
- Quarter-quarter Sections

0 1320 Feet



Prepared by Bryce A. Contor from 1987/1988 NAPP Photography, 6/2000

Soil History A 2

AJ0749NP
No. R31-02427B

IDAHO DEPARTMENT OF WATER RESOURCES
ADJUDICATION CLAIM PROFILE REPORT
(REGIONAL)

DATE: 06/05/00
PAGE: 1

OWNER CODE	NAME & ADDRESS	PRIORITY DATE	WATER USE	USE PERIOD FROM TO	DIVERSION RATE	DIVERSION VOLUME
C	OLIVE H FUGAL 15 BEACH AVENUE WOODMONT CT 06460	03/29/1966	IRRIGATION	04-01 10-31	4.460 CFS	1036.00 AFA
TOTAL DIVERSION:					4.460 CFS	1036.00 AFA

Water Source: GROUNDWATER

Tributary to:

Stage: LICENSE

Point(s) of Diversion:

T08N R36E S35

SESENW

JEFFERSON County

Place of use Legal Description for: IRRIGATION

				NE				NW				SW				SE						
T	R	S	:	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	:	SUM	
08N	36E	35	:			38		40				37				36		37				
																			40	35	:	296.0
																			TOTAL ACRES		:	296.0

POU County: JEFFERSON

Conditions of Approval:

- C05 - RIGHT INCLUDES ACCOMPLISHED CHANGE IN PLACE OF USE PURSUANT TO SECTION 42-1425, IDAHO CODE.
- C18 - 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.

Dates: Exam Made Date:

Verified Date:

Objection Filed Date:

Misc: Water District Number:

Field Inspection Flag:
Presumption Flag: C

Comments: Date: 06/05/2000 User-ID: BCONTOR Subject: COPIED FROM REMARKS
RIGHT SPLIT BY CHANGE IN OWNERSHIP

Date: 06/05/2000 User-ID: BCONTOR Subject: CHANGE IN POU
RECOMMENDATION REPRESENTS ACCOMPLISHED TRANSFER WHICH SWITCHED
A FEW ACRES OF POU FROM VARIOUS QQ SECTIONS TO SESWNE AND NENWSE,
PER 1987 NAPP. NORTH WATER MEASUREMENT DISTRICT EXAM INDICATES

AJ0749NP
No. R31-02427B

IDAHO DEPARTMENT OF WATER RESOURCES
ADJUDICATION CLAIM PROFILE REPORT
(REGIONAL)

DATE: 06/05/00
PAGE: 2

=====

Comments: Date: 06/05/2000 User-ID: BCONTOR Subject: CHANGE IN POU
A POST-1987 ACCOMPLISHED TRANSFER HAS SWITCHED SOME ADDITIONAL
ACRES TO SWSNW AND NWNESW. THIS WILL REQUIRE A FORMAL TRANSFER.
BAC 6/5/2000.

Audit: 06/05/00 BCONTOR

CH

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: A31-02427B
Date Received: 11/21/1988
Receipt No: E004241
Received By: _____

NOTICE OF CLAIM TO A WATER RIGHT
ACQUIRED UNDER STATE LAW

1. Name: OLIVE H. FUGAL
Address: 15 BEACH AVENUE
WOODMONT, CT

06460

2. Date of Priority: MAR 29, 1966

3. Source: GROUNDWATER Trib. to:

4. Point of Diversion:

Township	Range	Section	1/4 of	1/4 of	1/4 of	Lot	County
08N	36E	35	SE	SE	NW		JEFFERSON

5. Description of diverting works:
WELL, PUMP TO CENTER PIVOT

6. Water is used for the following purposes:

Purpose	From	To	C.F.S.	(or)	A.F.A.
IRRIGATION	04/01	11/01	4.460		

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

8. Total consumptive use is 740.0 Acre Feet Per Annum.

9. Non-irrigation uses:

10. Place of Use:

Township	Range	Section	1/4 of	1/4 of	Lot	Use	Acres
08N	36E	35	NW	NE		IRR	37.0
			SW	NE		IRR	37.0
			NE	NW		IRR	37.0
			SE	NW		IRR	37.0

A31-02427B

Page

1

Date: 11/21/88

MICROFILMED

NOV 17 1992

10. Place of Use: Continued

Township	Range	Section	1/4 of	1/4	Lot	Use	Acres
08N	36E	35	NE	SW		IRR	37.0
			SE	SW		IRR	37.0
			NE	SE		IRR	37.0
			NW	SE		IRR	37.0

Section Acres 296.0

Total Acres 296.0

11. Place of use in counties: JEFFERSON

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

13. Other Water Rights Used:
NONE

14. Remarks:
RIGHT SPLIT BY CHANGE IN OWNERSHIP

15. Basis of Claim: LICENSE
Water Right Number: 32818

16. Signature(s)

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

Number of attachments: _____

For Individuals:

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

Signature of Claimant(s): _____ Date: _____
_____ Date: _____

State of Idaho)
County of _____) SS.

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

Notary Public

Seal

Residing at _____
My Commission Expires _____

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: 39356

Ident. Number A31-2427BDate Received 11-21-88 CAReceipt Number E004241

NOTICE OF CLAIM
TO A
WATER RIGHT
ACQUIRED UNDER STATE LAW

A3102427B



Please type or print clearly

1. Name of Claimant (s) OLIVE H. FUGAL Phone (208)Mailing Address 15 BEACH AVE., WOODMONT, CONN. Zip 064602. Date of Priority (Only one (1) per claim) MAR. 29, 19663. Source of water supply (a) GROUNDWATER
which is tributary to (b) _____4. a. Location of existing point of diversion is: Township 8N Range 36E Section 35,
SE 1/4 of SE 1/4 of NW 1/4, Govt. Lot, _____ B.M., County of JEFFERSON

Additional points of diversion if any: _____

b. If instream flow, beginning point of claimed instream flow is:

Township _____ Range _____ Section _____, _____ 1/4 of _____ 1/4 of _____ 1/4,

Govt. Lot _____ B.M., County of _____

ending point is: Township _____ Range _____ Section _____, _____ 1/4 of _____ 1/4 of

_____ 1/4, Govt. Lot _____ B.M., County of _____

5. Description of existing diversion works (Dams, Reservoirs, Ditches, Wells, Pumps, Pipelines, Headgates, Etc),
including the dates of any changes or enlargements in use, the dimensions of the diversion works as
constructed and as enlarged and the depth of each well. WELL w/ PUMP TO CENTER PIVOT

MICROFILMED

NOV 17 1992

6. Water is claimed for the following purposes:

(both dates are inclusive)

(cfs)

(acre feet)

For IRR. purposes from 4/1 to 11/1 amount 4.46 or _____

For _____ purposes from _____ to _____ amount _____ or _____

For _____ purposes from _____ to _____ amount _____ or _____

For _____ purposes from _____ to _____ amount _____ or _____

7. Total quantity claimed (a) 4.46 (cfs) and/or (b) _____ (acre feet)

8. Total consumptive use claimed is 740 acre feet per annum.

9. Non-irrigation uses; describe fully (eg. Domestic: Give number of households served; Stockwater: Type and number of livestock Etc.) _____

10. Description of place of use:

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

b. If water is used for other purposes, place a symbol of use (example: D for Domestic) in the corresponding place of use below. See instructions for standard symbols.

TWP	RNG	SEC	NE 1/4				NW 1/4				SW 1/4				SE 1/4				Totals
			NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	
8N	36E	35		37	37		37	~~37~~		37	37			37	37	37			~~148~~ 296
																			~~148~~

Total number of acres irrigated 296

11. In which county (ies) are lands listed above as place of use located? JEFFERSON

12. Do you own the property listed above as place of use? Yes X No _____
If your answer is No, describe in Remarks below the authority you have to claim this water right.

13. Describe any other water rights used at the same place and for the same purposes as described above. _____ or None (X)

14. Remarks: RIGHT SPLIT BY CHANGE IN OWNERSHIP.

MICROFILMED

NOV 17 1992

Last Name _____ Ident No. _____

Copies: White -State, Yellow-Claimant

15. Basis of Claim (check one) Beneficial Use _____ Posted Notice _____ License ☒ Permit _____

Decree _____

If applicable provide IDWR Water Right Number 31-2427

Court _____ Case Number _____ Decree Date _____

Plaintiff vs 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 _____

For Individuals: I do solemnly swear or affirm that the statements contained in the foregoing document are true and correct.

Signature of Claimant (s) Frank [Signature]

Date Nov 21-88

For Oliver Fugal

Date Nov 21-88

For Organizations: I do solemnly swear or affirm that I am _____

Title _____

of _____, that I have signed the foregoing

Organization _____

document in the space below as _____ of _____

Title _____

Organization _____

and that the statements contained in the foregoing document are true and correct.

Signature of Authorized Agent _____

Title and Organization _____ Date _____

State of Idaho/or _____)

SS.

County of Bonneville

Subscribed and sworn (or affirmed) before me this 21st day of November 19 88

SEAL

Notary Public Carter Fritschle

Residing at _____

Carter Fritschle, Notary Public

Residing at Eagle, Idaho

My Commission Expires _____ My commission Expires March 21, 1994

Please Print Name

17. Notice of Appearance:

Notice is hereby given that I, _____ will be acting as attorney at law on behalf of the claimant signing above, and that all notices required by law to be mailed by the director to the claimant signing above should be mailed to me at the address listed below.

Signature _____

Address _____

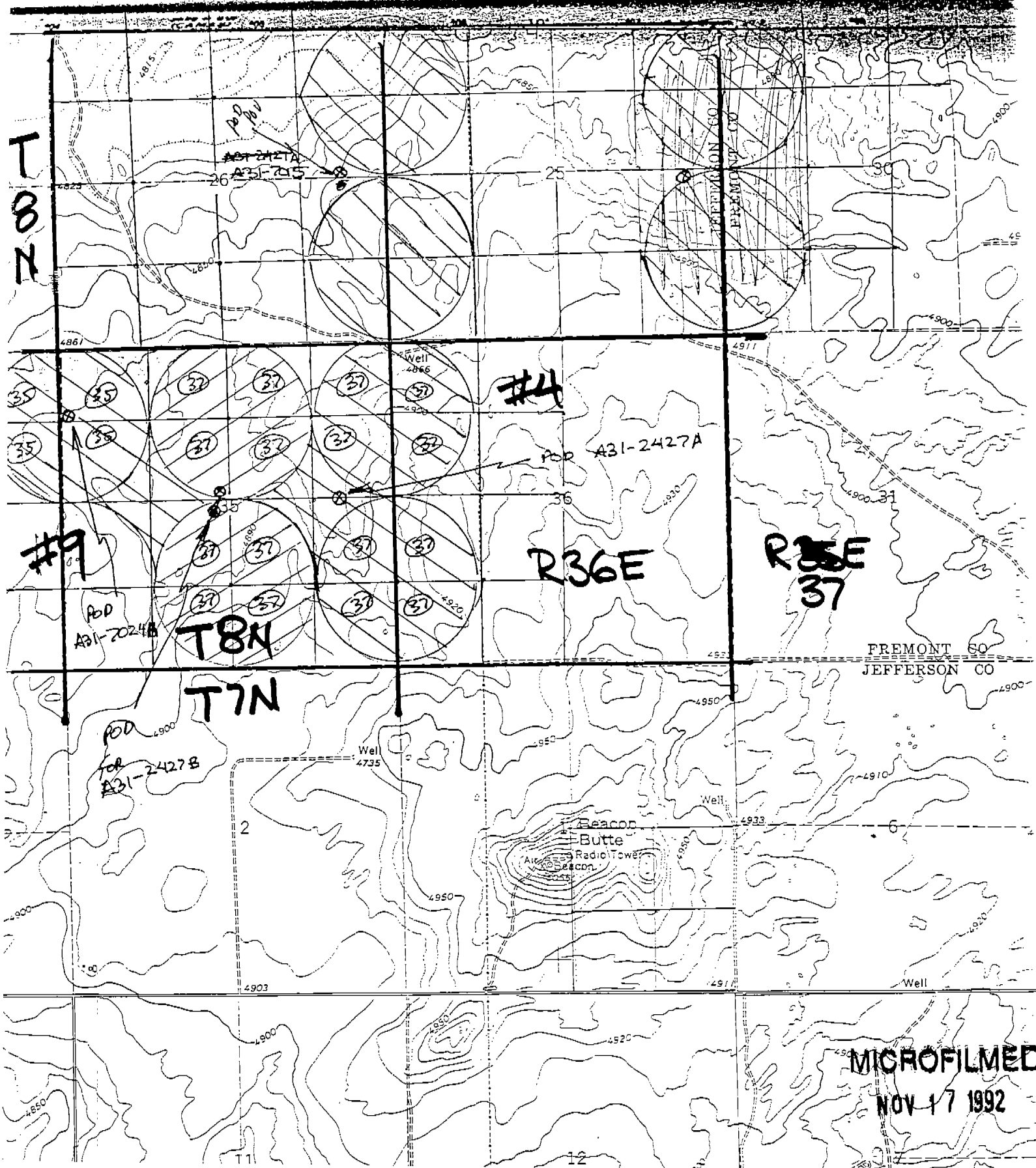
Date _____

MICROFILMED

Last Name _____ Ident. Number _____

NOV 17 1992
Copies White-State, Yellow-Claimant

PETERSON WELL #5



IDAHO DEPARTMENT OF WATER RESOURCES

Water Right 31-02427B

Township 8N Range 36E Section 35



○ Point(s) of Diversion, This WR

● Other Points of Diversion

Place of Use, This WR

□ Other Places of Use

□ Section Lines

□ Quarter-quarter Sections

0 1320 Feet



Prepared by Bryce A. Contor from 1987/1988 NAPP Photography, 6/2000

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
ADJUDICATION CLAIM VERIFICATION REPORT

22:45:51
03/13/95

PAGE: 1
GENERAL INFORMATION

CLAIM NUMBER: A31-024278

LAST: CAL-IDA INC.
ADDRESS:
CITY: NEWDALE
PHONE NUMBER: 208-000-0000

FIRST:

STATE: ID ZIP: 83436

OWNER CODE: D

LAST: FUGAL
ADDRESS: 15 BEACH AVENUE
CITY: WOODMONT
PHONE NUMBER: 208-000-0000

FIRST: OLIVE H.

STATE: CT ZIP: 06460

OWNER CODE: C

LAST: JACOBS
ADDRESS: 149 EAST 2ND SOUTH
CITY: REXBURG
PHONE NUMBER: 208-356-6834

FIRST: FRANK H.

STATE: ID ZIP: 83440

OWNER CODE: R

FIELD EXAM REQUIRED?

VERIFICATION REQUIRED DUE TO REMARKS?

DATABASE
Y

FIELD
EXAMINER

CLAIM REMARKS: RIGHT SPLIT BY CHANGE IN OWNERSHIP

CONTACT PERSON: _____

PHONE NUMBER: () _____

DATE OF FIELD EXAM: ____/____/____

APPOINTMENT MADE: Y() N()

TIME: ____:____ A() P()

ACCOMPANIED BY: _____

PHONE NUMBER: () _____

RELATIONSHIP TO CLAIMANT: _____

DIRECTIONS TO PROPERTY / NOTES:

Desktop Review 6/2/00

A. AJ CLAIM: # A31-324278 PRIORITY DATE: 03-29-1956 STAGE: L

B. WR RECORD: # 31-02427 PRIORITY DATE: 03-29-1956 STAGE: L

C. FIELD EXAM REQUIRED?

DUE TO PRIORITY DATE DISCREPANCY? (Y/N)

DATABASE
N

FIELD
EXAMINER
 ✓

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

NOTES: _____

RECOMMENDED PRIORITY DATE:
03-29-1956

REVIEWED BY Bae

DATE 6/2/02

A. AJ CLAIM POINT OF DIVERSION AND SOURCE:

RIGHT	TWP.	RGE.	SEC.	1/4	1/4	1/4	LOT	CNTY
A31-024278	03N	36E	35	SE	SE	NW		JEFFERSON

OTHER AJ CLAIMS WITH SAME AJ POD
A PREFIX R PREFIX
NONE NONE

NR RECORDS IN SAME 40 ACRE TRACT

NONE

SOURCE: GROUNDWATER

TRIG:

B. NR POINT OF DIVERSION AND SOURCE:

RIGHT	TWP.	RGE.	SEC.	1/4	1/4	1/4	LOT	CNTY
31-02427	03N	36E	26		SE	NW		JEFFERSON
31-02427	03N	36E	35		SE	NW		JEFFERSON
31-02427	03N	36E	35		SE	NE		JEFFERSON

OTHER NR RECORDS WITH SAME NR POD

AJ CLAIMS IN SAME 40 ACRE TRACT
A PREFIX R PREFIX

NONE

A31-02427A NONE
A31-02427C

SOURCE: GROUNDWATER

TRIG:

C. FIELD EXAM REQUIRED?

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

NOTES:

POD confirmed w/ NWMD GPS

RECOMMENDED POINT(S) OF DIVERSION AND SOURCE:

TWP.	R&E.	SEC.	1/4	1/4	1/4	LOT	COUNTY	DIVERSION NAME
8N	36E	35	SE	SE	NW	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---

SOURCE: GROUNDWATER

TRIB:

REVIEWED BY:

BAC

DATE:

6/2/00

SYSTEM DESCRIPTION:

1 well 2 pivots. 1987 NAPP shows handling in
E corners between pivots. NWMD shows later
development of mini pivot on W. corners.
This will have to be handled w/ post-AJ
formal transfer.

A. ROOT WATER RIGHT NUMBERS: A31-024278
A31-024279

A31-02427C

B. POB LISTING

TWP	RNG	SEC	1/4	1/4	LOT	NAME	AJ #/ACRES	AR #/ACRES	LANDSAT DATA	FIELD EXAM.	RECOMM. ACRES
08N	36E	35	N4	NE		FUGAL, OLIVE H. CAL-IDA INC.	A31-024278 /37.0	- /			40.0
			N4	NE				31-02427 /37.0			
08N	36E	35	S4	NE		FUGAL, OLIVE H. CAL-IDA INC.	A31-024278 /37.0	- /			41.0
			S4	NE				31-02427 /37.0			
08N	36E	35	NE	NW		FUGAL, OLIVE H. CAL-IDA INC.	A31-024278 /37.0	- /			40.0
			NE	NW				31-02427 /37.0			
08N	36E	35	SE	NW		FUGAL, OLIVE H. CAL-IDA INC.	A31-024278 /37.0	- /			37.0
			SE	NW				31-02427 /37.0			
08N	36E	35	NE	SW		FUGAL, OLIVE H. CAL-IDA INC.	A31-024278 /37.0	- /			43.0
			NE	SW				31-02427 /37.0			
08N	36E	35	SE	SW		FUGAL, OLIVE H. CAL-IDA INC.	A31-024278 /37.0	- /			37.0
			SE	SW				31-02427 /37.0			
08N	36E	35	NE	SE		FUGAL, OLIVE H. JACOBS, FRANK H. CAL-IDA INC.	A31-024278 /37.0 A31-024278 /37.0	- / -			38.0
			NE	SE				31-02427 /37.0			
08N	36E	35	N4	SE		FUGAL, OLIVE H. CAL-IDA INC.	A31-024278 /37.0	- /			39.0
			N4	SE				31-02427 /37.0			
TOTAL ACRES							A31-024278	296.90			315.90

See GIS

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

C. FIELD EXAM REQUIRED?

DUE TO POB DISCREPANCY? (Y/N)

DATABASE
Y

FIELD
EXAMINER
N

POB COUNTY: JEFFERSON

PRESUMPTION FLAG:

NOTES:

NWMD exam indicates post-87 accomplished transfer
to minipivot in SW SE NW and NW NE SW. This
will require formal transfer to correct WR.

RECOMMENDATIONS:

TOTAL ACRES:

296

REVIEWED BY:

Bac

DATE:

6/5/00

A. AJ CLAIMED USES:

PURPOSES
A31-024278 IRRIGATION

MONTH/DAY
FROM 04-31 TO 11-01
10-31

TOTAL DIVERSION RATE/VOLUME CLAIMED

DIVERSION QUANTITY
4.460 CFS

4.460 CFS

B. WR RECORDED USES:

PURPOSES
31-02427 IRRIGATION

MONTH/DAY
FROM TO

TOTAL DIVERSION RATE/VOLUME CLAIMED

DIVERSION QUANTITY
15.370 CFS

15.370 CFS

PRESUMPTION FLAG:

C. FIELD EXAM REQUIRED?

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

DATABASE FIELD
EXAMINER
N
Y
Y

D. PERIOD OF USE:

RECOMMEND AS CLAIMED?

Y() N(X)

RECOMMEND TO WR STANDARDS OR OTHER?

Y(X) N() EXPLAIN IN NOTES, BELOW.

NOTES:

no period on license - recommend to current std.

A. DOES DIVERSION RATE CLAIMED AGREE WITH EXISTING RECORDS?

Y(☒) N(☐)

AJ TOTAL CLAIMED DIVERSION RATE: 4.460 CFS
NR ROOT RIGHT TOTAL DIVERSION RATE: 13.370 CFS

*** IF NO OR IF STATUTORY CLAIM OR BENEFICIAL USE THEN FLOW MEASUREMENT REQUIRED. ***

** IF AN AMOUNT SMALLER THAN THE ORIGINAL DIVERSION RATE IS **

** CLAIMED AND AN EXAM IS NOT REQUIRED, EXPLAIN IN NOTES. **

FLOW MEASUREMENT REQUIRED?

FIELD

DATABASE EXAMINER

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

Y

N

B. FLOW MEASUREMENT

MEASUREMENT METHOD _____, SEE ATTACHED CALCULATIONS.

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

OTHER RIGHTS LISTED IN CLAIM: NONE

LIST ALL RIGHTS WITH A SAME POB AND IRRIGATION USAGE:

CLAIM NO.	SOURCE	NAME	DIV. RATE	DIV. RATE/ACRE	DIV. VOL.	DIV. VOL./ACRE
A31-024270	GROUNDWATER	FUGAL, OLIVE H.	4.460	0.015		
A31-02427A	GROUNDWATER	JACOBS, FRANK H.	4.460	0.015		

NO RIGHTS WITH SAME POB BUT NOT USED FOR IRRIGATION

D.

RATE/VOLUME CALCULATIONS: (IRRIGATION)

1A. IRRIGATION RATE

ACRES 296 X 0.02 CFS/ACRE = 5.92 CFS
(TAKEN FROM P/U REVIEW)

1B. CALCULATIONS

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

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

2. IRRIGATION CONSUMPTIVE USE

CLAIMED CONSUMPTIVE USE = 740.0 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 296 X DIVERSION VOL. AF/A FOR AREA 3.5 = 1036

TOTAL DIVERSION VOLUME _____ AF/A

4. CALCULATIONS FOR USES OTHER THAN IRRIGATION:

SEE ATTACHED SHEET? Y() N()

NOTES: (INCLUDE LIMITATIONS ON CONSUMPTIVE USE FOR COMBINED RIGHTS.)

See [unclear] exam in A31-02427 and A31-02427A, A31-02427C

RECOMMENDATIONS:

REC. PURPOSES	REC. PERIOD FROM TO	REC. DIV RATE CFS	REC. DIV VOL. AF/A	REC. CONS. USE
IRRIGATION	04-01 ~~12-01~~ 10-31	DATABASE EXAMINER 4.450 ----- 4.450	DATABASE EXAMINER ----- 1036	DATABASE EXAMINER 740.0 ----- 740.0

TOTAL FOR THIS RIGHT

REVIEWED BY: BAC

DATE: 6/5/00

A. CHECK ONLY THE FOLLOWING THAT APPLY:

OWNERSHIP _____
FORFEIT/ABANDON _____
ADDITIONAL DIV. AMOUNT _____

ACCEPTED AS CLAIMED	NEEDS REVIEW
☒	☐
☒ W/A	☐

B. SPLIT WATER RIGHT REVIEW

ROOT WATER RIGHT NUMBER: 31-02427

TOTAL DIVERSION RATE OF WR SPLITS

DATABASE
13.370

EXAMINER

CFS

SPLITS:

OLD RIGHT NUMBERS	CURRENT CLAIM NUMBERS	DIVERSION RATE	CURRENT "R" CLAIM NUM.	"R" DIV. RATE	WR RIGHT NUMBERS	DIVERSION RATE
-	A31-02427A	4.460	-	-	-	-
-	A31-02427B	4.460	-	-	-	-
-	A31-02427C	5.200	-	-	-	-
-	-	-	-	-	31-02427	13.370
TOTAL CFS		14.120				13.370

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

NOTES:

See split history & analysis in file

AUTHENTICATION:

SIGNATURE:

B. Carter

DATE:

6/5/00

NAME OF FIELD EXAMINER:

Bryce A. Carter

TITLE:

SWA

=====

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
ADJUDICATION CLAIM VERIFICATION REPORT

22:45:51
03/15/93

PAGE: 15
QUICKLOOK INFORMATION

CLAIM NUMBER: A31-026270

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					BAC			
POINT OF DIV	Y				CUR			
SOURCE					6/5/00			
PLACE OF USE	Y							
DIV. AMOUNT CFS/VOLUME	Y							
CONSUMPTIVE USE								
PURPOSES								
PERIOD OF USE	Y							
BASES OF CLAIM	Y							
REMARKS	Y							

VERIFIED BY CODES

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

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

02:37:54
05/15/95

CLAIM NUMBER: A31-024270

WATER SOURCE: GROUNDWATER

~~TRIUMPH NO:~~

JEFFERSON COUNTY

SESENW

POU COUNTY: JEFFERSON

REMARKS: RIGHT SPLIT BY CHANGE IN OWNERSHIP

cos
cif

②

Comment: 1 pair,
mini pilot

 POD ID 99
 POU ID 302



State of Idaho

DEPARTMENT OF WATER RESOURCES

900 N. Skyline Dr., Suite A, Idaho Falls, ID 83402-1718 • Phone: (208) 525-7161 FAX: (208) 525-7177

EASTERN REGION

DIRK KEMPTHORNE
Governor

KARL J. DREHER
Director

July 25, 2002

OLIVE H FUGAL
15 BEACH AVE
WOODMONT CT 06460

RE: Notice of Completed Administrative Proceeding (NCAP) for
Amended License 31-2427B

Dear Ms. Fugal:

The Idaho Department of Water Resources amended the quantity on
Water Right License 31-2427B.

As directed by the Snake River Basin Adjudication (SRBA) Court, this
office mailed a copy of the updated water right record(s) to each party
listed on the enclosed NCAP. The intent of this mailing is to ensure
each party has a current record of water right(s) as recorded in the
SRBA.

Please feel free to contact me if you have any questions concerning this
matter.

Respectfully,

Jennifer Crabtree
Technical Records Specialist

Enclosure

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

In Re SRBA

Water Rights: 31-2427B

Case No. 39576

NOTICE OF COMPLETED
ADMINISTRATIVE
PROCEEDING

IDWR has completed the following Administrative proceeding:

- ☒ Other: Amended Per Amended License
- ☐ Address change
- ☐ Substitution of Party
- ☐ I.C. § 42-222 transfer
- | | |
|---|--|
| ☐ point of diversion | ☐ place of use |
| ☐ period of use | ☐ nature of use |
| ☐ split of water right | ☐ change in ownership |

IDWR certifies that it has completed its investigation into the changes to the elements of the water rights listed above as set forth in the attached *Amended Director's Reports* for said water rights. No other changes have been made to the elements of these water rights except as set forth above.

IDWR has served copies of the *Notice of Completed Administrative Proceeding* and *Amended Director's Report(s)* on the claimant(s), prior claimant(s) and all parties in the subcases affected, if any, as reflected on the attached certificate of mailing.

DATED: July 25, 2002

Ernest Carlson
Signature of IDWR Representative

CERTIFICATE OF MAILING

I certify that on July 26, 2002, I mailed the original and copies of this form to the following persons, postage prepaid by regular mail and addressed as follows:

1. Original to:

Clerk of the District Court
Snake River Basin Adjudication
PO Box 2707
Twin Falls ID 83303-2707

2. One copy to:

Claimant/Seller for Substitution of Party or attorney of record:
OLIVE H FUGAL
15 BEACH AVE
WOODMONT CT 06460

3. One copy to:

Claimant/Purchaser for Substitution of Party, or attorney of record:
N/A

4. One copy to:

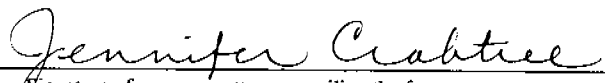
Each party in the subcase, or attorney of record
RAY RIGBY
PO BOX 250
REXBURG ID 83440

5. One copy each to:

Chief Natural Resources Division
Office of the Attorney General
PO Box 44449
Boise ID 83711-4449

6. One Copy to:

United States Dept of Justice
Environment & Natural Resource Div
550 West Fort Street MSC 033
Boise ID 83724



Signature of person or attorney mailing the form

IDAHO DEPARTMENT OF WATER RESOURCES
RECOMMENDED WATER RIGHTS ACQUIRED
UNDER STATE LAW

RIGHT NUMBER: 31-2427B

NAME AND ADDRESS:

OLIVE H FUGAL
15 BEACH AVE
WOODMONT CT 06460

SOURCE: GROUND WATER

Tributary:

QUANTITY: 5.330 CFS ~~4.460 CFS~~
1,036.000 AFY

PRIORITY DATE: 03/29/1966

POINT OF DIVERSION:

T08N R36E S35 SESENW Within JEFFERSON County

PURPOSE AND PERIOD OF USE:	Purpose of use	Period of use:	Quantity:
IRRIGATION		04/01 10/31	<u>5.330 CFS</u> <u>1,036.00 AFY</u>
			~~4.460 CFS~~ ~~1,036.00 AFY~~

PLACE OF USE: IRRIGATION within JEFFERSON County

T08N R36E S35 NWNE 38.0
T08N R36E S35 SWNE 40.0
T08N R36E S35 NENW 37.0
T08N R36E S35 SENW 36.0
T08N R36E S35 NESW 37.0
T08N R36E S35 SESW 33.0
T08N R36E S35 NESE 40.0
T08N R36E S35 NWSE 35.0

IDAHO DEPARTMENT OF WATER RESOURCES
RECOMMENDED WATER RIGHTS ACQUIRED
UNDER STATE LAW

296 ACRES TOTAL

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 PLACE OF USE PURSUANT TO
SECTION 42-1425, IDAHO CODE.



State of Idaho

DEPARTMENT OF WATER RESOURCES

900 N. Skyline Dr., Suite A, Idaho Falls, ID 83402-1718 • Phone: (208) 525-7161 FAX: (208) 525-7177

EASTERN REGION
June 28, 2002

DIRK KEMPTHORNE
Governor

KARL J. DREHER
Director

KIRK M JACOBS
2576 E 2600 N
PO BOX 119
HAMER ID 83425

RE: CHANGE IN OWNERSHIP FOR 31-2427B & 31-7288

Dear Mr. Jacobs:

It has come to our attention that you may have recently purchased a tract of land in Jefferson County. The property to which I am referring was most recently owned by Olive Fugal and Frank Jacobs. The legal description is as follows:

T8N, R36E, SEC 35 SE/SE/NW and T8N, R36E, SEC 9 SW/NW/SE

This property was filed on in the Snake River Basin Adjudication (SRBA), and we recommend that if, in fact, you now own the property in question, you file a "Change in Ownership" with this department in order that we may send all further correspondence to the appropriate owner(s).

Enclosed is a Change in Ownership form. Please fill out the form completely, sign and date it and return it to my attention along with a "copy" of your Warranty Deed and legal description of the property you have purchased.

If you questions regarding this matter, please call 525-7161.

Respectfully submitted,

Jennifer Crabtree
Jennifer Crabtree
Technical Records Specialist



State of Idaho

DEPARTMENT OF WATER RESOURCES

900 N. Skyline Dr., Suite A, Idaho Falls, ID 83402-1718 • Phone: (208) 525-7161 FAX: (208) 525-7177

EASTERN REGION

DIRK KEMPTHORNE
Governor

KARL J. DREHER
Director

January 28, 2002

KIRK M JACOBS
2576 E 2600 N
PO BOX 119
HAMER ID 83425

RE: Motion to Amend License # 31-2427A and 31-2427B

Dear Mr. Jacobs:

The Idaho Department of Water Resources (IDWR) received a Motion to Amend Transfer for the above referenced water right(s).

In response to the Motion, this office is sending the enclosed NAP to the SRBA Court and other parties listed on page 2 of the form. The intent of this mailing is to notify those parties of the requested change.

Please feel free to contact me if you have any questions concerning this matter.

Respectfully,

Cheri Vandermeulen
Records Clerk

Enclosure

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

In Re SRBA

Water Rights: 31-2427A AND
31-7015B

Case No. 39576

NOTICE OF ADMINISTRATIVE
PROCEEDING

IDWR has received an application for an Administrative Proceeding for the above water right(s).

The Administrative Proceeding contemplates a change in the water right(s) as indicated below:

- ☐ Substitution of Party (waiting for documentation)
- ☐ Substitution of Party/Split Water Right
- ☐ I.C. § 42-222 transfer
 - ☐ point of diversion ☐ place of use
 - ☐ period of use ☐ nature of use

[X] Other: **MOTION TO AMEND LICENSE**

IDWR projects the Administrative Proceeding shall be completed no later than: **JULY 29, 2002**

DATED: January 28, 2002

Ernest Calise
Signature of IDWR Representative

CERTIFICATE OF MAILING

I certify that on Jan 28, 2002, I mailed the original and copies of this form to the following persons, postage prepaid and addressed as follows:

1. Original to:

Clerk of the District Court
Snake River Basin Adjudication
PO Box 2707
Twin Falls ID 83303-2707

2. One copy to:

Claimant/Seller for Substitution of Party or attorney of record:
KIRK M JACOBS
2576 E 2600 N
PO BOX 119
HAMER ID 83425

3. One copy to:

Claimant/Purchaser for Substitution of Party, or attorney of record:

4. One copy to:

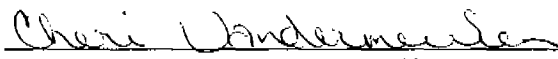
Each party in the subcase, or attorney of record
RAY W RIGBY
25 N 200 E
REXBURG ID 83440

5. One copy each to:

Chief Natural Resources Division
Office of the Attorney General
PO Box 44449
Boise ID 83711-4449

6. One Copy to:

United States Dept of Justice
Environment & Natural Resource Div
550 West Fort Street MSC 033
Boise ID 83724



Signature of person or attorney mailing the form



State of Idaho

DEPARTMENT OF WATER RESOURCES

900 N. Skyline Dr., Suite A, Idaho Falls, ID 83402-1718 • Phone: (208) 525-7161 FAX: (208) 525-7177

EASTERN REGION

DIRK KEMPTHORNE
Governor

KARL J. DREHER
Director

January 28, 2002

OLIVE H FUGAL
15 BEACH AVE
WOODMONT C 06460

RE: Motion to Amend License # 31-2427B

Dear Ms. Fugal:

The Idaho Department of Water Resources (IDWR) received a Motion to Amend License for the above referenced water right(s).

In response to the Motion, this office is sending the enclosed NAP to the SRBA Court and other parties listed on page 2 of the form. The intent of this mailing is to notify those parties of the requested change.

Please feel free to contact me if you have any questions concerning this matter.

Respectfully,

Cheri Vandermeulen
Records Clerk

Enclosure

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

In Re SRBA)

Water Rights: 31-2427B

Case No. 39576)

NOTICE OF ADMINISTRATIVE
PROCEEDING

IDWR has received an application for an Administrative Proceeding for the above water right(s).

The Administrative Proceeding contemplates a change in the water right(s) as indicated below:

☐ Substitution of Party (waiting for documentation)

☐ Substitution of Party/Split Water Right

☐ I.C. § 42-222 transfer

☐ point of diversion ☐ place of use

☐ period of use ☐ nature of use

☒ Other: **MOTION TO AMEND LICENSE**

IDWR projects the Administrative Proceeding shall be completed no later than: **JULY 29, 2002**

DATED: January 28, 2002

Ernest Carlson
Signature of IDWR Representative

CERTIFICATE OF MAILING

I certify that on Jan 28, 2002, I mailed the original and copies of this form to the following persons, postage prepaid and addressed as follows:

1. Original to:
Clerk of the District Court
Snake River Basin Adjudication
PO Box 2707
Twin Falls ID 83303-2707
2. One copy to:
Claimant/Seller for Substitution of Party or attorney of record:
OLIVE H FUGAL
15 BEACH AVE
WOODMONT CT 06460
3. One copy to:
Claimant/Purchaser for Substitution of Party, or attorney of record:
4. One copy to:
Each party in the subcase, or attorney of record
RAY RIGBY
25 N 200 E
REXBURG ID 83440
5. One copy each to:
Chief Natural Resources Division
Office of the Attorney General
PO Box 44449
Boise ID 83711-4449
6. One Copy to:
United States Dept of Justice
Environment & Natural Resource Div
550 West Fort Street MSC 033
Boise ID 83724

Cheri Undermaier
Signature of person or attorney mailing the form

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

In Re SRBA)

A: Subcase 31-2427B

(insert water right number)

Case No. 39576)

STANDARD FORM 1
OBJECTION

Please fill in the following information:

B: NAME AND ADDRESS OF PERSON OBJECTING

Name:

Kirk M Jacobs

Address:

2576 E 2600 N

Rexburg Id 83425

Daytime Phone:

662-5415

Name & Address of Attorney, if any:

C: CLAIMANT OF WATER RIGHT AS LISTED IN DIRECTOR'S REPORT

Name:

Olive H. Fugal

Address:

15 Beach Ave

Woodmont CT 06460

D. I object to the following elements as recommended in the Director's Report. (Please check the appropriate box(es)).

1. ☐ Name and Address
Should be: _____
2. ☐ Source
Should be: _____
3. ☒ Quantity
Should be: 5.92 cfs, 0.02/acre
4. ☐ Priority Date
Should be: _____
5. ☐ Point(s) of Diversion
Should be: _____
6. ☐ Instream Flow Description
Should be: _____
7. ☐ Purpose(s) of Use
Should be: _____
8. ☐ Period of Year
Should be: _____
9. ☐ Place of Use
Should be: _____

11. I object because:

- ☐ This water right should not exist.
- ☐ This water right was not recommended, but should be recommended with the elements described above.

E. REASONS SUPPORTING OBJECTION(S): _____

Original licenses were in error, see claim file
notice of error, see amended claims.
See attached engineering analysis.

F:

VERIFICATION (Must be Completed)

State of Idaho)
County of Bonneville)ss.

Kirk M Jacobs, duly sworn, upon oath, deposes and says:
(Name of person filing objection)

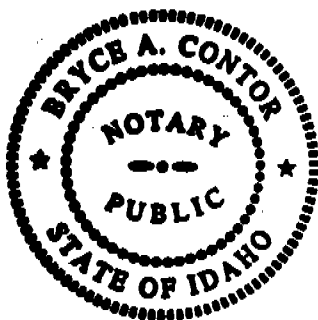
That I am the party/claimant filing this objection, as defined by I.C. §§ 42-1401A(1) and (6) or that I am the attorney for the party/claimant objecting and that I have read this objection, know its contents and believe that the statements are true to the best of my knowledge.

Kirk M Jacobs
(Signature of person filing objection)

(Attorney signing in representative capacity)

Subscribed and sworn to before me on: Aug 29 2001

Bryce A. Contor
Notary Public for Idaho
Residing at: Mud Lake
My Commission Expires: 10/14/2005



INSTRUCTIONS FOR MAILING

You must mail the objection, to the Clerk of the Court. FAX filings will not be accepted. You must also send a copy to all the parties listed below in the Certificate of Mailing.

G. CERTIFICATE OF MAILING

I certify that on Sept 4, ²⁰⁰¹~~199~~, I mailed the original and copies of this objection, including all attachments, to the following persons:

1. Original to:

Clerk of the District Court
Snake River Basin Adjudication
255 Third Avenue North
PO Box 2707
Twin Falls, ID 83303-2707

2. One copy to the claimant of the water right at the following address:

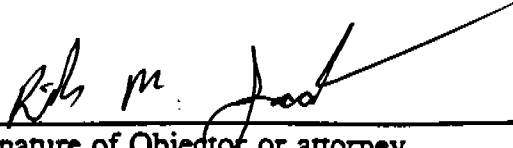
Name: Olive Fugal
Address: 15 Beach Ave
Woodmont CT 06460

3. Copies to:

IDWR Document Depository
PO Box 83720
Boise, ID 83720-0098

Chief, Natural Resources Division
Office of the Attorney General
State of Idaho
PO Box 44449
Boise, ID 83711-4449

United States Department of Justice
Environment and Natural Resource Division
550 West Fort Street, MSC 033
Boise, ID 83724


Signature of Objector or attorney
mailing on Objector's behalf

SEPT 1, 2001

RECEIVED

SEP 05 2001

Department of Water Resources
Eastern Region

RON CARLSON
IDWR
900 N. SKYLINE DR. SUITE A
IDAHO FALLS ID. 83402-1718

RE: Copy of objection filed to the court and letter to Norm Young

Dear Ron

I have sent you a copy of my objection and engineer report so if there is anything you and your office can do to help on this matter I would sure appreciate it.

Sincerely



Kirk M Jacobs

Sept. 1, 2001

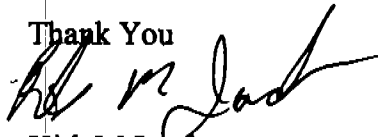
S.R.B.A Court
253 Third Ave. North
P.O. Box 2707
Twin Falls, Idaho 83303-2707

Re: Filing an objection to recommendations on water right #31-2427A, 31-2427B, 31-7015B,
31-7024B

Dear SRBA COURT

In reviewing IDWR'S recommendations for the above water rights we have found some problems in original examiners calculations in determining our cfs and feel we need to seek amended licenses at this time. Enclosed are all the necessary forms and a report by Mr Robert Lee a licensed engineer explaining the problems we have found with the examiner and his calculations. We would like to ammend our license to match the enclosed ammended claim.

Thank You



Kirk M Jacobs

1330 Barney Dairy Road
Rexburg, Idaho 83440

August 27, 2001

Mr. Kirk Jacobs
P O Box 119
Hamer, Idaho 83425

Dear Kirk:

As requested I have reviewed the Idaho Department of Water Resources adjudication recommendations for the following licenses:

1. 31-7024B
2. 31-7015B
3. 31-2427A
4. 31-2427B
5. 31-7291
6. 31-7292

The results of my analysis are given in the attached report. All but license numbers 31-7291 and 31-7292 understated the diversion rates utilized at the time the examiner made his report. The examiner's reports are full of errors. I believe you have documented reasons for appealing the Department's adjudication recommendations. If necessary, I will be pleased to meet with the Department to discuss these matters.

Sincerely,



Robert R. Lee

REPORT ON WATER RIGHTS ADJUDICATION FOR KIRK JACOBS

By Robert R. Lee, PE 1823

August 27, 2001

Mr. Kirk Jacobs of Hamer, Idaho has asked that I assist him in a review of the Department adjudication recommendations for his farm in Hamer.

I am qualified to comment on these matters. First, I have a PhD from Stanford University in Civil Engineering with emphasis on water resources planning. Secondly, I am a retired Idaho Professional Engineer with license number 1823. Thirdly, for twenty years I designed, sold, and installed irrigation systems in Eastern Idaho including hundreds of pumps and center pivot systems.

HAMER CENTER PIVOT SYSTEMS DESIGN

The soils in the Hamer area are sand and require careful planning and operation. Center pivots must provide sufficient water to meet the peak consumptive use requirements of alfalfa, potatoes and grain, the crops grown in the area. The soil moisture holding capacity of sand is very low so that it is not possible to "bank" soil moisture in anticipation of peak demands.

In the Hamer area the peak consumptive use for alfalfa or potatoes is approximately 0.32 in./day. The formula for calculating gpm/acre which is used in center pivot design is: $\text{gpm/acre} = \text{cu}/.053 \times \text{efficiency}$.

An irrigation efficiency of 80% is typically used. Therefore the design gpm/acre for Hamer = $.32 \text{ over } .053 \times .8 = 7.55$ which is lower than the 9 gpm/acre rate allowed by the Department.

A 1300' length center pivot with an end gun on in the corners will irrigate about 132 acres. Thus the gpm for a 1300' system would calculate to be $7.55 \times 132 = 997$ gpm. This is rounded off to 1000 gpm. Over the years these calculations have proven valid as Hamer farmers successfully raised crops under 1300' center pivots nozzled for 1000 gpm. During peak consumptive use periods these center pivots run 100 percent of the time and there is little margin for error. I have no knowledge of any 1300' center pivots in the Hamer area that are nozzled for less than 1000 gpm. In the 1960's and early 70's Mel Brown Company typically designed 1300' circles to 1100-1200 gpm according to Dale Peterson, son-in-law and former employee of Mel Brown who now works for Golden West Irrigation in Idaho Falls. The department should not recommend water rights which would be less than what circles were nozzled for at the time of licensing and less than that rate needed to grow crops.

Further, pumps are designed to match pivot requirements of gallonage and pressure otherwise the pivots wouldn't perform properly and expensive changes would be required of the irrigation company.

LICENSE NO. 31-07024B

The Department's adjudication recommendation of 1.86 cfs and 420 AF for this 1300' center pivot which irrigates 140 acres is not sufficient to irrigate the crops grown in the Hamer sand. The 1.86 cfs would only provide 837 gpm, a gpm/acre of 5.98 and a 24 hour application rate of 0.25 inches. This application rate would leave the crop short of water by 21% during the peak consumptive use period greatly reducing the yield and quality of the crop. Therefore I must conclude that historically the pump and center pivot were applying the 1000 gpm required for the crops.

The Department's recommendation is apparently based on the examiner's report of 7 July 1967 wherein he recommended 5.65 cfs for three pumps and center pivots or 1.88 cfs for each installation. (See Attachment No. 1) The examiner, Dean Reynolds, had access to the sprinkler charts for each center pivot and found that they were designed for 1000 gpm @ 100 psi. Then he made a drastic error in methodology by reducing the gallonage by the ratio of pivot end pressure to design pivot pressure. The examiner states:

"Q recommended for licensing is based upon the determined operating pressure taken from each end of each unit. This pressure was related proportionately to the unit design pressure needed to produce a specific quantity (gallonage) submitted by Valmont as calculated by the computer. Each unit designed for 1000 gpm @ 100 psi."

The examiner then included the following calculations:

#1 Unit operating at 77 psi – $\text{gpm} = 77/100 \times 1000 = 770 \text{ gpm}$ or 1.72 cfs

#2 Unit operating at 85 psi – $\text{gpm} = 85/100 \times 1000 = 850 \text{ gpm}$ or 1.90 cfs

#3 Unit operating at 91 psi – $\text{gpm} = 91/100 \times 1000 = 910 \text{ gpm}$ or 2.03 cfs

Total 5.65 cfs

The 5.65 cfs was then licensed to Cal-Ida Inc. on 13 August 1969 as no. 31-7024. The 5.65 cfs is in error because the examiner thought the design pressure of 100 psi was to be measured at the end of the center pivot system rather than at the pivot point. However, the pivot pressure is calculated by adding the pressure needed to run the end gun to the friction loss in the pivot system plus the pressure required to compensate for field elevation. The end pressure also varies depending on where the end of the center pivot

system is and whether there is positive or negative field elevation. End pressure should never be used to determine center pivot gallonage.

In fact the examiner's report on end pressure verifies that there was enough pivot pressure to run the end guns plus overcome system friction loss and elevations. The pivot pressure for system #1 was likely close to 100 psi when the friction loss of 22 psi and field elevation of 4 psi is added to the 77 psi measured at the end. Similarly #2 and #3 systems likely had more than 100 psi because their end pressures were higher. Therefore, based on the evidence at hand, the three systems were using at least 1000 gpm (2.22cfs) in 1969 and should have been licensed for such amount. The Department's adjudication recommendation should therefore be for 2.22 cfs for each pump and center pivot. This is much less than the Department's allowable maximum diversion rate of .02cfs/acre or 2.8 cfs for a 140 acre pivot. The volume allowed should be 490 AF @ 3.5 AF/Acre.

The 100 H. P. pump would produce 1000 gpm @ 3201 TDH. The lift @ the no. 1 pivot in Sec. 34 and Sec. 35 is about 90' leaving 230' or about 100 psi for the pivot. The pump therefore matches the pivot gallonage of 1000 gpm.

LICENSE NO. 31-07015B

The Department's adjudication recommendation of 3.67 cfs and 969.5 AF/yr. for two 1300 center pivots which irrigate 277 acres is not sufficient to irrigate potatoes or alfalfa in the Hamer sand. The 3.67 cfs would only provide 1652 gpm or 826 gpm for each circle. The gpm/acre would be only 5.996 and the 24 hour application rate only 0.25 in. This is 21% less than the 0.32 in. required for potatoes and would result in reduced yield and quality.

Raincat circles were designed for 1200 gpm each, to match the 250 H.P. pump which was designed for 2400 gpm as stated in the examiners report of 9 July 1967. (See Attachment No. 2) The same examiner, Dean Reynolds, repeated the same error that he made 2 days earlier on permit No. 31-7024 and erroneously reduced the pivot gpm by the ratio of end pressure to pivot pressure. His recommendations found its way into license 31-07015B which is clearly wrong.

The 250 H.P. pump is the same as it was in 1967 and still produces 5.50 cfs according to measurements conducted by Bryce Conton of the North Water Management District. (See Attachment No. 3) Since the initial installation of Raincat center pivots by Mel Brown Co. and subsequent updates the circles have been nozzled for 1200 gpm. See attached sprinkler charts.

If the Department's recommendation of 3.65 cfs were adopted and enforced, the farmer would be required to spend thousands of dollars to change the pump and renozzle the circles. The outcome would be disastrous as there would not be enough water to adequately irrigate the crop during the peak consumptive use period.

The Department should recommend 5.5 cfs and 969.5 AF/yr. for the adjudication. The 5.5 cfs represents close to the .02 cfs/acre allowed as the maximum diversion rate by the Department.

LICENSE NO. 31-2427A

The data for this license comes largely from the Examiners report dated 24 August 1967. (See Attachment No. 4) The permit number is G-32818.

The pump for 31-2427A was a 250 H.P. Motor and Layne and Bowler Pump designed to pump 2400 gpm 328' TDH.

The examiner arbitrarily reduces the gpm/pivot to 1000 gpm by stating that "L&B design capacity for Raincat 14 tower, 1000' sprinkler system = (6 sprinkler system units) (1000 gpm/unit) = 13.37 cfs". But a 14 tower Raincat with a 40' overhand is 1300' in length not a 1000'. Dale Peterson of Golden West Irrigation Idaho Falls has verified that 1300' Raincat pivots were constructed with 14 - 90' spans with a 40' overhang. In addition, two 1000' pivots with 100' end gun coverage all the way around the circle only irrigate 174 acres not the 296 acres recommended by the Department. This verifies that the pivots were 1300'.

Again the sloppy work of Dean Reynolds arbitrarily reduced the gpm below that actually being utilized by the systems. The pump has never been changed and according to the North Water Measurement District still produces 4.99 cfs. (See Attachment No. 3)

The circle requirements of 1200 gpm each for 2400 gpm were met by the 2400 gpm produced by the 250 H.P. Motor and Layne and Bowler pump. The attached current sprinkler charts verify that the two circles still utilize the 2400 gpm produced by the pump.

If the Department's adjudication recommendation for 4.46 cfs is accepted and enforced the circles will have to be renozzled to 1000 gpm and pumping output reduced to 2000 gpm at a cost of thousands of dollars.

The Department's recommendation should be for 5.33 cfs and 1,036 AF/yr. because the Examiner's report was in error and did not report the water actually being used. Further the rate recommended is not sufficient to irrigate 296 acres during the peak consumption use period.

LICENSE NO. 31-2427B

The examiner's report shows that the 250 H.P. Motor and Layne and Bowler pump were designed to do 2400 gpm @ 303' TDH. (See Attachment no. 4) The examiner states that the pump would serve two 14 tower Raincats with 1000 gpm sprinkler

systems. But he later states that the systems are only 1000' long which is in error. Even with a 100' end gun on for the entire circles the ground irrigated would only be 174 acres.

The pump has produced 2400 gpm since its initial installation and still does according to measurements by North Water Measurement District which reports 5.47 cfs or 2461 gpm. (See Attachment No. 3) The enclosed current sprinkler charts are also for 1200 gpm. The pump and pivots were designed to match each other at 2400 gpm.

The Department's adjudication recommendation should be for 5.33 cfs and 1036 AF/yr. irrigating 296 acres because of the examiner's error in identifying the length of the Raincats as 1000' and arbitrarily reducing the gpm to 1000 gpm.

LICENSE NO. 31-7292 and 31-7291

I reviewed the adjudication recommendations for these two water rights and found them to be satisfactory. A copy of the original purchase agreement shows that 2 - 8 Tower Valley Center Pivots, 1293' and 2 - 125 H.P. Pumps designed to do 1000 gpm @ 400' TDH were purchased by Frank Jacobs on March 14, 1978. (See Attachment No. 5) The center pivots were ordered with 1000 gpm sprinkler packages. A letter to Glen Leak of the Federal Land Bank dated June 1, 1978 verifies that 100 gpm @ 90 psi was being utilized by the center pivots. (See Attachment No. 6) The Department's recommendation of 2.34 cfs for each water right is close to the design of 2.22 cfs.

STATE OF IDAHO

DEPARTMENT OF RECLAMATION

BOISE, IDAHO

REPORT OF EXAMINER

Attachment No. 1

Permit No. 31-7024

This proof is for CWD & BU

In Water District No.

1. Name of applicant CAL-IDA INC

2. Source of water supply SUBTERRANEAN

3. Location of point of diversion: Is in the (THREE WELLS) #2 NW 1/4 SEC 34
#1 NW 1/4 #3 NW 1/4 of Section 35

T. 8N R. 36E County of

4. Describe works as they exist, giving dimensions and capacities of same:
- #1 100 HP US HOLLOWSHAFT ELEC MOTOR # C100 4259, JOHNSON V.T.P. (VALLEY UNIT)
 - #2 100 HP US HOLLOWSHAFT ELEC BLOWDOWN MOTOR # C100 4826, JOHNSON V.T.P. (VALLEY UNIT)
 - #3 100 HP US HOLLOWSHAFT ELEC POWERED MOTOR # C100 3551, JOHNSON V.T.P. (VALLEY UNIT)
- (PUMPING UNIT BEING USED UPON E 1/2 NW 1/4 SEC 33 FROM #3 WELL BY APPROX 10" DIAM. LINE)
FOR DIMENSIONS & CAPACITIES OF THE ABOVE - SEE REMARKS SECTION

5. Water is used for: IRRIGATION

6. State whether or not water has been turned into works of diversion: YES

7. List legal subdivisions of lands to be irrigated. If proof is for beneficial use, give exact number of acres under cultivation in each forty-acre tract. (Describe manner and place of use if other than irrigation):

N 1/2 SEC 34 T. 8 N R. 36 E
E 1/2 NW 1/4 SEC 33 " "
W 1/2 NW 1/4 SEC 35 " "

(Submit map on attached plat, showing location and details of above description.)

8. What large stream would the water here appropriated finally reach?

Remarks: MR. CLAIR ROBINSON CONTACTED

A recommendation for licensing is based upon the determined operating pressure taken from each end of each unit. This pressure was related proportionately to the unit design pressure needed to produce a specific quantity (gallons per minute) submitted by Valmont as calculated by their computer. Each unit designed for 1000 gpm @ 100 ps.

#1 UNIT operating @ 77 ps. - pressure is about 1.125 ft/s
#2 UNIT operating @ 80 ps. - pressure is about 1.400 ft/s
#3 UNIT operating @ 91 ps. - pressure is about 2.03 ft/s
G-TOTAL = 5.65

This examination was made on the 7th day of June 1952

(Signed) Dan Reynolds Examiner

7/17

DEPARTMENT OF RECLAMATION
BOISE, IDAHO

Attachment No. 2

REPORT OF EXAMINER

Permit No. 31-7015

This proof is for W & B

In Water District No. _____

1. Name of applicant CAL. IDAHO

2. Source of water supply: SUBSTRACAN

3. Location of point of diversion: Is in the SE NE of Section 27

T. 32 N. R. 36 E County of _____

4. Describe works as they exist, giving dimensions and capacities of same:

(#1 Well) 150 HP US Hollowshaft Elec Motor # C1004925

Ld B VTP # D23010 2200 gpm @ 140'

550' @ 1 inch line each unit

(#2 Well) 250 HP US Elec Motor # C100320104

Ld B VTP # D22270, 2400 gpm @ 300' - 2 pump unit

5. Water is used for: IRRIGATION

6. State whether or not water has been turned into works of diversion: Yes

7. List legal subdivisions of lands to be irrigated. If proof is for beneficial use, give exact number of acres under cultivation in each forty-acre tract. (Describe manner and place of use if other than irrigation):

(Submit map on attached plat, showing location and details of above description.)

8. What large stream would the water here appropriated finally reach? _____

Remarks: 1. 2. CHAR REYNOLDS CONTACTED

MICRO-FLEX FLOW METER MODEL # 35 INSTALLED

DETERMINATION BASED UPON UNIT SPENDING

PREVIOUS AS APPLICANT OR RELATED TO DESIGN @ 1000

SEVEN UNIT - $Q = 1027 \text{ gpm or } 2.27 \text{ cfs}$

SOUTH UNIT - $Q = 726 \text{ gpm or } 1.66 \text{ cfs}$

THE TWO UNITS BEING OPERATED FROM WELL SEC 27 @ 85 psi

FOR EACH UNIT = 3.44 cfs

TOTAL Q FOR BOTH UNITS = 7.31

This examination was made on the 9TH day of JULY 19 67

(Signed) John Reynolds

Examiner

31-07015

31-7015-PLAT

DO NOT MICROFILM
From WR License File Microfiche



State of Idaho

DEPARTMENT OF WATER RESOURCES

900 N. Skyline Dr., Suite A, Idaho Falls, Idaho 83402-1718 - (208) 525-7161- Fax (208) 525-7177

EASTERN REGION

DIRK KEMPTHORNE
GOVERNORKARL J. DREHER
DIRECTOR

To: Kirk Jacobs
Fr: Bryce Contor
Date: 11/7/2000

Bryce A. Contor

Re: Diversion rates

The North Water Measurement District has repeated the measurements on some of your wells where the original license methods were questionable. The earlier Water Measurement District measurements did not measure the systems at full capacity.

*North
Water Measurement*

WR	Jacobs ID	License	Actual	License exam method
OK match 31-2426B	#8 ✓	2.35 cfs	2.60 cfs	Nozzle and pressure
- 31-2427A	#4 ✓	4.46 cfs ✓	4.99 4.96 cfs	Design capacity
- 31-2427B	Fugal ✓	4.46 cfs	5.47 cfs	Design capacity
X 31-7015B	#5 ✓	3.67 cfs ✓	5.50 cfs	Pressure and ??
X 31-7024B	#9 ✓	1.85 cfs ✓	2.82 cfs	Pressure and design calculation
X 31-7291	Z1 ✓	2.34 cfs	2.60 cfs	Installed flowmeter
X 31-7292	Z2 ✓	2.18 cfs ✓	2.62 cfs	Installed flowmeter

In every case, I believe the licensing exam method for determining capacity was inadequate, and the Water Measurement District measurements are good measurements.

Note that in every case, the Water Measurement District values are within the standard rate of 0.02 cfs per acre. Your systems do not appear to use excessive water, compared to neighboring systems and in light of the sandy soils.

31-07288 Ryan 2.46 cfs; 2.91 cfs

STATE OF IDAHO
DEPARTMENT OF RECLAMATION
BOISE, IDAHO
REPORT OF EXAMINER

Permit No. G-32818

This proof is for Completion of Works & Beneficial Use In Water District No. _____

1. Name of applicant Cal-Ida, Incorporated

2. Source of water supply: Subterranean

3. Location of point of diversion: Is in the SE $\frac{1}{4}$ NW $\frac{1}{4}$ and SE $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 26

T. 8 N R. 36 E County of Jefferson

4. Describe works as they exist, giving dimensions and capacities of same:

1-24278
(y) #1, 250 HP GE ELEC MOTOR # DBA 406163 LAVER & BOWLER VERT TURBINE # D12862
2100 gpm 303' 1770 RPM 10" DISCHARGE THROUGH 2 (1000' IN TUNNEL 1000' P)
MARKED WELL # 3

1-24271
#2 250 HP GE ELEC MOTOR # DBA 413153 LAVER & BOWLER VERT TURBINE
TURBINE PUMP # 13261 2400 gpm 328' 1770 RPM 10" DISCHARGE
THROUGH 2 (LAVER & BOWLER VERT TURBINE 1000' IN TUNNEL 1000' P) MARKED WELL # 1

#3 200 HP GE ELEC MOTOR # DBA 126155 2 & 3 VERT TURBINE PUMP # D12862
2100 gpm 286' 1770 RPM 10" DISCHARGE THROUGH 2 (LAVER & BOWLER VERT TURBINE 1000' IN TUNNEL 1000' P) MARKED WELL # 1

5. Water is used for: Irrigation

6. State whether or not water has been turned into works of diversion: Yes

7. List legal subdivisions of lands to be irrigated. If proof is for beneficial use, give exact number of acres under cultivation in each forty-acre tract. (Describe manner and place of use if other than irrigation):

E $\frac{1}{2}$ NE $\frac{1}{4}$, E $\frac{1}{2}$ SE $\frac{1}{4}$, Sec. 34; all of Sec. 35; W $\frac{1}{2}$ NW $\frac{1}{4}$, W $\frac{1}{2}$ SW $\frac{1}{4}$, Sec. 36, T. 8 N, R. 36 E, B.M.
(960 acres)

Amended to read: W $\frac{1}{2}$ E $\frac{1}{2}$ and E $\frac{1}{2}$ W $\frac{1}{2}$ of Sec 26 8 N 36 E
E $\frac{1}{2}$ W $\frac{1}{2}$ and E $\frac{1}{2}$ Sec 35 8 N 36 E
W $\frac{1}{2}$ W $\frac{1}{2}$ Sec 36 8 N 36 E

IRRIGATION PUMPS
& SPRINKLERS

ESTIMATE & AGREEMENT

STEEL, ALUMINUM PIPE
VALLEY SELF-PROPELLED
CIRCULARS

GEM STATE IRRIGATION, INC.

BOX 351

SOUTH YELLOWSTONE HWY.

REXBURG, IDAHO 83440

PHONE 358-9318

Attachment No. 5

TO: Frank & Mitch Jacobs #1429 DATE: March 9, 1978 COMPLETION DATE:

BID: WE HEREBY PROPOSE TO FURNISH MATERIAL AND LABOR TO COMPLETE THE WORK OUTLINED HEREIN FOR THE SUM OF:

PAYMENT TO BE MADE AS FOLLOWS: \$1000 Down - Payments as materials are

WE HEREBY SUBMIT SPECIFICATIONS AND BID FOR:

delivered. Balance on start-up.

QUANTITY	STOCK NUMBER OR DESCRIPTION	AMOUNT
2	Model 4871 Valley Electrics 1298 ¹²⁴³ , 8 Tower, Adapted to Corner System with High Speed Motors (9hr. rotation). New Tires	
2	Pivot Running Lights	
2600'	Armored Cable	
2	Pivot Flexes	
2	Nelson 100 PC End Gun	
2	Stop-in-slots and end gun shut-off	
2	Freight, Installation, Wiring	
2	Pivot Pads	
2	Pivot Tie-ins	
	Sub-Total	52,075.00
2	125 H.P. Pump to do 1000 gpm @ 400' TDH with 160' - 8" x 2 1/2" x 1 1/2" Column, tube & shaft	
2	Set Pumps	
2	Pump Pads & Transformer Pad	
2	125 H.P. Panels - 3 phase, 440 volt with lightning arrestor, surge capacitor, phase failure, under voltage relay, time delay relay	
2	125 H.P. Panel Installation	
2	Pump tie-ins	
40'	8" Bare Steel	
2	8" Check Valves	
2	8" Butterfly Valves	
2	8" Water Meters	
	Misc. flanges, bolts, gaskets, outlets, etc.	
	Sub-Total	27,175.00
	Total	\$79,250.00

TERMS: 10TH OF MONTH FOLLOWING DATE OF PURCHASE. Without grace for value received, I promise to pay to the order of Seller the above mentioned amounts, payable as hereinabove set forth. I agree that title to the merchandise hereinabove set forth shall at all times remain in the Seller's name, until this note is fully paid, and if the same be placed with an attorney for collection or suit, I agree to pay a reasonable attorney's fee. If not paid at maturity, this note shall thereafter draw interest at the rate of 12% per annum until paid. Upon failure on the part of the purchaser to make payments, as herein specified, the Seller may repossess said property wherever found. Property shall not be moved from premises without consent of Seller.

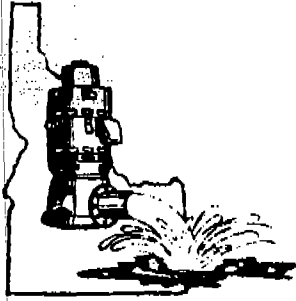
NO. 3641 DATE: 3/9/78 SIGNED: Robert R. Lee

ACCEPTANCE OF BID THE ABOVE SPECIFICATIONS, TERMS AND CONTRACT ARE SATISFACTORY, AND I/WE HEREBY AUTHORIZE THE PERFORMANCE OF THIS WORK SIGNED: [Signature] DATE: Mar. 14-78

THIS BID VOID AFTER 30 DAYS FROM DATE UNLESS ACCEPTED BY SIGNATURE AT RIGHT

OFFICE COPY

Attachment No. 6



GEM STATE IRRIGATION, INC.

BOX 488 - SOUTH YELLOWSTONE HWY
PHONE 208-356-9318 - TWX 910-979-5912
REXBURG, IDAHO 83440

June 1, 1978

Mr. Glen Leak
Federal Land Bank
1020 Taylor
Idaho Falls, Idaho 83401

Dear Glen:

This letter is to verify the amount of water being produced from the two wells on the Frank Jacobs farm at Hamer, Idaho. Both wells produce 1000 gpm with 90 psi at the pivot gage. This quantity has been verified by observing the water meters and checking the amps on the motors.

Following are the data on the pumps:

- (1) West Well:
 - (a) Depth of well - 232'
 - (b) Static water - 135'
 - (c) 125 H.P. motor (G.E.) S/N HNJ824115
 - (d) Johnston Pump S/N TL14184
 - (e) 160' - 8" Column
- (2) East Well:
 - (a) Depth - 232'
 - (b) Static water - 138'
 - (c) 125 H.P. motor (G.E.) S/N JNJ921122
 - (d) Johnston Pump S/N 1211418
 - (e) 160' - 8" Column

If you have any questions please call.

Sincerely yours,

A handwritten signature in cursive script, appearing to read "Robert R. Lee".

Robert R. Lee

RRL/db

cc: Frank Jacobs

VALMONT INDUSTRIES, INC.
 ORDER NO: 2523889 CONVERTED TO PARTS ORDER 0N22389
 SPRINKLER SETUP CHART

Low Pressure Conversion

CUSTOMER

NAME KIRK JACOBS WA SOUTH
 ADDRESS
 CT/ST/ZIP HAMER ID 00000
 COUNTRY USA

DEALER

NUMBER: 002449
 NAME GOLDEN WEST IDAHO FALLS

MODEL NUMBER
 LENGTH
 GALLONAGE
 PIVOT PRESSURE
 END GUN RADIUS
 APPL RATE (IN/Day)
 TOTAL ACRES COVERED
 GPM PER ACRE

1280.0
 1200.0
 38.0
 142.0
 8.0

CPL LOCK	FT FROM PIVOT	LINE PRESS	ORFICE/ REGULATOR	SPRK MODEL	NOZZLE SIZES	DROP/ NOZ BOOM/ NOZ NO RISER PSI	GALLONS PER ACRE
1	2.50			GAUGE			
2	9.50	57.8	S05-20PSI	DROP	SPRAY 4	1 60 22.2	5.0
3	16.50	57.6	S05-20PSI	DROP	SPRAY 4	2 66 22.0	5.0
4	23.50	57.4	S05-20PSI	DROP	SPRAY 4	3 66 21.7	5.0
5	30.50	57.2	S05-20PSI	DROP	SPRAY 4	4 66 21.5	5.0
6	37.50	56.9	S05-20PSI	DROP	SPRAY 4	5 66 21.3	5.0
7	44.50	56.7	S05-20PSI	DROP	SPRAY 4.5	6 72 21.1	5.0
8	51.50	56.5	S05-20PSI	DROP	SPRAY 4.5	7 72 21.0	5.0
9	58.50	56.3	S05-20PSI	DROP	SPRAY 5	8 72 20.9	5.0
10	65.50	56.1	S05-20PSI	DROP	SPRAY 5	9 72 20.9	5.0
11	72.50	55.9	S05-20PSI	DROP	SPRAY 5.5	10 72 21.7	5.0
12	79.50	55.7	S05-20PSI	DROP	SPRAY 5.5	11 72 21.7	5.0
13	86.50	55.5	S05-20PSI	DROP	SPRAY 5.5	12 66 21.6	5.0
14	93.50	55.3	S05-20PSI	DROP	SPRAY 6	13 66 21.5	5.0
15	100.50	55.0	S05-20PSI	DROP	SPRAY 6	14 66 21.5	5.0
16	107.50	54.8	S05-20PSI	DROP	SPRAY 6	15 66 21.4	5.0
17	114.50	54.6	S05-20PSI	DROP	SPRAY 6.5	16 60 21.3	5.0
18	121.50	54.4	S05-20PSI	DROP	SPRAY 6	17 60 21.4	5.0
	124.00		TOWER NO 1	SPAN LENGTH - 124.00			
19	126.50	54.3	S05-20PSI	DROP	SPRAY 6	18 60 21.4	5.0

Low Pressure Conversion
SPRINKLER SETUP CHART

CUSTOMER
NAME KIRK JACOBS #4 NORTH
ADDRESS
CT/ST/ZIP HAMER ID 00000
COUNTRY USA

DEALER
NUMBER 002449
NAME GOLDEN WEST IDAHO FALLS

MODEL NUMBER
LENGTH 1280.0
GALLONAGE 1200
PIVOT PRESSURE 64
ENOUGH RADIUS 105
APPL RATE (IN/DAY) .46
TOTAL ACRES COVERED 138.28
GPM PER ACRE 9.00

CPL LOCN	FT FROM PIVOT	LINE PRESS	ORFICE/ REGULATOR	SPRK MODEL	NOZZLE SIZES	NOZ IND	DROP/ BOOM/ RISER	NOZ PSI	- GAL/MIN - REQ ACT	
1	2.50						00			
2	9.50	63.8	S05-20PSI	DROP	VALMONT	#5	1 60	23.4	.16	.54
3	16.50	63.6	S05-20PSI	DROP	VALMONT	#5	2 66	23.1	.22	.53
4	23.50	63.4	S05-20PSI	DROP	VALMONT	#5	3 66	22.7	.31	.53
5	30.50	63.2	S05-20PSI	DROP	VALMONT	#5	4 66	22.5	.40	.53
6	37.50	62.9	S05-20PSI	DROP	VALMONT	#5	5 66	22.3	.49	.52
7	44.50	62.7	S05-20PSI	DROP	VALMONT	#5	6 72	22.1	.57	.52
8	51.50	62.5	S05-20PSI	DROP	VALMONT	#5	7 72	22.0	.66	.52
9	58.50	62.3	S05-20PSI	DROP	VALMONT	#6	8 72	21.8	.74	1.02
10	65.50	62.1	S05-20PSI	DROP	VALMONT	#6	9 72	21.8	.82	1.02
11	72.50	61.9	S05-20PSI	DROP	VALMONT	#5	10 72	21.9	.90	.52
12	79.50	61.7	S05-20PSI	DROP	VALMONT	#6	11 72	21.6	.98	1.01
13	86.50	61.5	S05-20PSI	DROP	VALMONT	#6	12 66	21.5	1.06	1.01
14	93.50	61.3	S05-20PSI	DROP	VALMONT	#7	13 66	21.4	1.14	1.32
15	100.50	61.0	S05-20PSI	DROP	VALMONT	#7	14 66	21.4	1.21	1.32
16	107.50	60.8	S05-20PSI	DROP	VALMONT	#7	15 66	21.4	1.29	1.32
17	114.50	60.6	S05-20PSI	DROP	VALMONT	#7	16 60	21.4	1.36	1.32
18	121.50	60.4	S05-20PSI	DROP	VALMONT	#6	17 60	21.5	1.23	1.01
	124.00		TOWER NO 1	- SPAN LENGTH -	124.00					
19	126.50	60.3	S05-20PSI	DROP	VALMONT	#7	18 60	21.4	1.27	1.32
20	133.50	60.1	S05-20PSI	DROP	VALMONT	#8	19 60	21.2	1.55	1.78

VALMONT INDUSTRIES INC
ORDER NO: 2524289 CONVERTED TO PARTS ORDER 0N22689
SPRINKLER SETUP CHART

-1-
12/11/89

CUSTOMER
NAME KIRK JACOBS RS NORTH
ADDRESS
CT/ST/2P HAMER ID 00000
COUNTRY USA

MODEL NUMBER 4271
LENGTH 1289.0
GALLONAGE 1200
PIVOT PRESSURE 81
END GUN RADIUS 111
APPL RATE (IN/DAY) .45
TOTAL ACRES COVERED 141.28
GPM PER ACRE 8.00

DEALER
NUMBER: 002449
NAME GOLDEN WEST IDAHO FALLS

LPL LOCN	FT FROM PIVOT	LINE PRESS	ORFICE/ REGULATOR	SPRK MODEL	NOZZLE SIZES	DROP/ NOZ BOOM/ NOZ		- GAL/MIN -	
						NO RISER	PSI	REQ	ACT
1	5.35			GAUGE					
2	18.98	80.4	S05-20PSI	DROP	SPRAY 4	1	66	23.5	.49 .53
3	27.32	80.1	S05-20PSI	DROP	SPRAY 4	2	66	23.7	.41 .54
4	35.66	79.7	S05-20PSI	DROP	SPRAY 4	3	72	23.4	.54 .53
5	44.47	79.4	S05-20PSI	DROP	SPRAY 4.5	4	72	20.1	.67 .60
6	52.89	79.0	S05-20PSI	DROP	SPRAY 5	5	72	20.0	.78 .76
7	61.31	78.7	S05-20PSI	DROP	SPRAY 5.5	6	78	19.9	.89 .94
8	69.73	78.3	S05-20PSI	DROP	SPRAY 6	7	78	19.8	1.01 1.14
9	78.15	78.0	S05-20PSI	DROP	SPRAY 5.5	8	78	19.8	1.05 .94
10	85.53	77.7	S05-20PSI	DROP	SPRAY 6	9	78	19.7	1.21 1.13
11	94.91	77.3	S05-20PSI	DROP	SPRAY 7	10	78	19.6	1.40 1.54
12	103.20	77.0	S05-20PSI	DROP	SPRAY 6.5	11	78	19.7	1.33 1.33
13	110.58	76.7	S05-20PSI	DROP	SPRAY 6.5	12	78	19.6	1.43 1.33
14	119.00	76.3	S05-20PSI	DROP	SPRAY 7.5	13	78	19.5	1.62 1.76
15	127.42	76.0	S05-20PSI	DROP	SPRAY 7.5	14	78	19.5	1.72 1.76
16	135.84	75.7	S05-20PSI	DROP	SPRAY 7.5	15	72	19.5	1.82 1.76
17	144.26	75.3	S05-20PSI	DROP	SPRAY 8	16	72	19.4	1.95 1.98
18	153.07	75.0	S05-20PSI	DROP	SPRAY 8	17	72	19.3	2.09 1.98
19	161.83	74.6	S05-20PSI	DROP	SPRAY 8.5	18	66	19.3	2.26 2.26
20	171.20	74.2	S05-20PSI	DROP	SPRAY 9	19	66	19.2	2.36 2.47

VALMONT INDUSTRIES INC

ORDER NO: 2524189 CONVERTED TO PARTS ORDER 0N22589

-1-
12/11/89

SPRINKLER SETUP CHART

Low Pressure Conversion

CUSTOMER

NAME KIRK JACOBS N5 SOUTH
 ADDRESS
 CT/ST/ZIP HAMER ID 00000
 COUNTRY USA

DEALER

NUMBER: 002449
 NAME GOLDEN WEST IDAHO FALLS

MODEL NUMBER 4271
 LENGTH 1289.0
 GALLONAGE 1200
 PIVOT PRESSURE 61
 END GUN RADIUS 122
 APPL RATE (IN/DAY) .44
 TOTAL ACRES COVERED 143.54
 GPM PER ACRE 8.00

CPL LOCN	FT PIVOT	FROM LINE PRESS	ORFICE/ REGULATOR	SPRK MODEL	NOZZLE SIZES	DROP/ NOZ BOOM/ NOZ NO RISER PSI	- GAL/MIN - REQ ACT
1	5.35			GAUGE			
2	18.98	60.4	S05-20PSI	DROP	SPRAY 4	1 66 21.3	.49 .51
3	27.32	60.1	S05-20PSI	DROP	SPRAY 4	2 66 21.4	.41 .51
4	35.66	59.7	S05-20PSI	DROP	SPRAY 4	3 72 21.2	.54 .51
5	44.47	59.4	S05-20PSI	DROP	SPRAY 4.5	4 72 21.9	.67 .63
6	52.89	59.0	S05-20PSI	DROP	SPRAY 5	5 72 21.8	.78 .79
7	61.31	58.7	S05-20PSI	DROP	SPRAY 5.5	6 78 21.7	.89 .98
8	69.73	58.3	S05-20PSI	DROP	SPRAY 5.5	7 78 21.6	1.01 .98
9	78.15	58.0	S05-20PSI	DROP	SPRAY 5.5	8 78 21.5	1.05 .97
10	85.53	57.7	S05-20PSI	DROP	SPRAY 6	9 78 21.4	1.21 1.18
11	94.91	57.3	S05-20PSI	DROP	SPRAY 6.5	10 78 21.3	1.40 1.38
12	103.20	57.0	S05-20PSI	DROP	SPRAY 6.5	11 78 21.3	1.33 1.38
13	110.58	56.7	S05-20PSI	DROP	SPRAY 6.5	12 78 21.2	1.43 1.38
14	119.00	56.3	S05-20PSI	DROP	SPRAY 7	13 78 21.1	1.62 1.60
15	127.42	56.0	S05-20PSI	DROP	SPRAY 7.5	14 78 21.1	1.72 1.83
16	135.84	55.7	S05-20PSI	DROP	SPRAY 7.5	15 72 21.0	1.81 1.83
17	144.26	55.3	S05-20PSI	DROP	SPRAY 8	16 72 21.0	1.95 2.06
18	153.07	55.0	S05-20PSI	DROP	SPRAY 8	17 72 20.9	2.09 2.05
19	161.83	54.6	S05-20PSI	DROP	SPRAY 8.5	18 66 20.9	2.25 2.35
20	171.20	54.2	S05-20PSI	DROP	SPRAY 8.5	19 66 20.8	2.36 2.35

MEMORANDUM

To: 31-2427A, 31-2427B, 31-7015B, 31-7024B, 31-7291, 31-7292
Fr: Bryce Contor
Date: 8/9/2001
Re: Amended claims

The attached amended claim was prepared per a phone request by Kirk Jacobs, last night to my home phone. The only adjustment is to claim a full 0.02 cfs/acre, and to increase the annual volume to 3.5 afa/acre on 31-7024B.

The purpose of this filing is to allow Mr. Jacobs to file an objection to the recommended diversion rate, in order to preserve his right to appear in court, if he is not successful in obtaining amended licenses.

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 31-2427B
Date Received: 11/21/1988
Receipt No: E004241
Received By:

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

1. Name of Claimant(s)

OLIVE H FUGAL Phone:
15 BEACH AVE
WOODMONT CT USA 06460

2. Date of Priority: 03/29/1966

3. Source: GROUND WATER Trib. to:

4. Point of Diversion:

Township Range Section 1/4 of 1/4 of 1
08N 36E 35 SE SE NW

5. Description of diverting works:

WELL, PUMP TO CENTER PIVOT

6. Water is used for the following purposes:

Purpose	From	To	C.F.S.	(or) A.F.A.
IRRIGATION	04/01	11/01	5.92	1036

7. Total Quantity Appropriated is:
5.92 C.F.S. and/or 1036 A.F.A.

8. Total consumptive use:

9. Non-irrigation uses:

10. Place of use:

Township	Range	Section	1/4 of 1/4	Lot	Use	Acres
08N	36E	35	NW	NE	IRRIGATION	38
			NE	NW	IRRIGATION	37
			SW	NE	IRRIGATION	40

SE	NW	IRRIGATION	36
NW	SE	IRRIGATION	40
NE	SW	IRRIGATION	37
SW	SE	IRRIGATION	35
SE	SW	IRRIGATION	33

Section Acres 296

Total Acres 296

11. Place of use in counties: JEFFERSON

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

13. Other Water Rights Used:

14. Remarks:

RIGHT SPLIT BY CHANGE IN OWNERSHIP.

Claim amended 8/9/2001 to reflect correct original diversion rate, see claim file for Notice of Error notification of problem with original license exam. Other elements of claim amended to match recommendation.

Claim given temporary database status pending receipt of signed amendment.

15. Basis of Claim: License

16. Signature(s)

Number of attachments: _____

For Individuals:

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

Signature of Claimant(s): _____ Date: _____

Representative for Olive Fugal

State of Idaho)
) SS.
County of _____)

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

of _____ 20____

Notary Public

Residing at _____

My commission Expires _____



State of Idaho

DEPARTMENT OF WATER RESOURCES

900 N. Skyline Dr., Suite A, Idaho Falls, Idaho 83402-1718 - (208) 525-7161- Fax (208) 525-7177

EASTERN REGION

March 14, 2001

DIRK KEMPTHORNE
GOVERNOR

KARL J. DREHER
DIRECTOR

OLIVE H FUGAL
15 BEACH AVE
WOODMONT CT 06460

RE: NOTICE OF ERROR

Dear Water User:

In your Notice of Error for right 31-02427B, you disagreed with the recommended diversion rate.

That rate was recommended based upon an existing water right license or formal transfer issued by Idaho Department of Water Resources. Unfortunately, the authority of the Snake River Basin Adjudication does not extend to increasing diversion rates authorized by administrative action.

The only options to change diversion rate are to have the license amended by the Allocation Bureau of the department, or to apply for a new permit based upon pre- 1987 development of diversion capacity.

The standard for changing a license is set very high. It requires proof that the original licensing exam was in error. As a minimum, this requires a report of an independent evaluation by a licensed Professional Engineer and solid documentation of the original design capacity of the installed system. The standard for a new permit is high, but not as high as for an amended license.

I am not encouraging you to pursue either of these options, but informing you what your options are. Please call me if you have questions. I'm sorry I cannot address your concerns.

Sincerely,

Bryce A. Contor

01/25/2001

NOTICE OF ERROR
REPLY

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

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

YOUR DEADLINE FOR RETURNING A NOTICE OF ERROR REPLY IS: March 9, 2001

Water right number: 31-2427B

OLIVE H FUGAL
15 BEACH AVE
WOODMONT CT 06460

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

We feel like the original method of measurement was inaccurate. We show more a/s now and are still using the same motor & pump.

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

We wish to ammend our license for current conditions in which were practiced for over 25 years. We need this current amount for our sandy soils.

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

We feel that the original methods were wrong and were subject to human err. In those days accuracy wasn't as critical and as important as it is today.

☐ I AGREE with this proposed recommendation: no changes need to be made.

DATE: 3/7/01

SIGNATURE:

Kirk M Jacobs

Please print your name:

Kirk M Jacobs

IDWR Regional Office, 900 N Skyline, Idaho Falls, ID 83402, 2085257161

Response: Adjudication cannot correct
CFS unless Allocations Bureau issues
amended license or new permit.

Bar 3/12/01

RECEIVED

MAR 07 2001

Department of Water Resources
Eastern Region

P.O. Box 308
Reburg Ida
83440
Aug 14, 00

To: State of Idaho Dept of Water Resources:

Dear People:

I am Frank Jacobs the father of
Kirk M Jacobs. The purpose of this
letter is to request you to honor
Kirk ~~to~~ act in my behalf pertaining
to any business concerning irrigation
water that I have ^{been} responsible for
which ^{also} includes Olivett Fugel water
and property of which I have been handling
for her.

I'll appreciate your cooperation in
this matter.

Frank Jacobs

To: Frank Jacobs Files
Kirk Jacobs Files
Olive Fugal Files
Fr: Bryce Contor
Date: 8/9/2000

Re: Shelly Keen input on diversion rate questions.

Shelly Keen called back.

1. Documentation needs to be very solid. Consider:

Flow measurement - UPL energy audit?
Installer's documentation?
Affidavit from operator or operator's employees.

2. Look carefully at license exams, for errors or faulty assumptions.

To: Frank Jacobs Adjudication Files
Kirk Jacobs Adjudication Files
Olive Fugal Adjudication Files
Fr: Bryce Contor
Date: 8/9/2000



Re: Insufficient diversion rate on licenses.

Today I reviewed the diversion rate of these licenses with Kirk Jacobs, who operates these farms. Most of the licensed diversion rates are insufficient for the systems present, and inadequate for the soil types present.

Kirk says that these are the same systems, the same pivots, wells, and pumps, as originally licensed. Nothing has been done to increase the diversion rate.

The options we discussed are:

1. Apply for pre-moratorium permit, since the capacity was in place prior to 1987. I left a voice-mail for Shelly Keen asking him to tell us what documentation would be required to make this work.
2. Possibly future water management rules will allow for some concept of "average" diversion rate, allowing for continued use at the higher rates, for a limited time within a weekly or monthly averaging period.
3. Contest the original licenses and ask for an amended license. I told Kirk that Boise is not too keen on this, but it is an option to consider.
4. Buy a water right, dry up the ground, and transfer the cfs to the existing places of use.

To: A310-2427A
A31-02427B
Fr: Bryce Contor
Date: 8/9/2000

Bryce

Re: Amend claim.

Today I visited in the office with Kirk Jacobs regarding these two claims. He operates the Olive Fugal ground (A31-02427B) and owns A31-02427A.

The claims filed split the original right along the section line, but actually there is a mini pivot attached to Kirk's system that irrigates part of the lands currently claimed by Fugal. These lands appear irrigated by handlines in the 1987 aerial photo.

Also, there is now a mini-pivot on the west of Fugal's land, that irrigates some lands west not owned by Fugal. A portion of these lands appear irrigated in the 1987 photo, but not all.

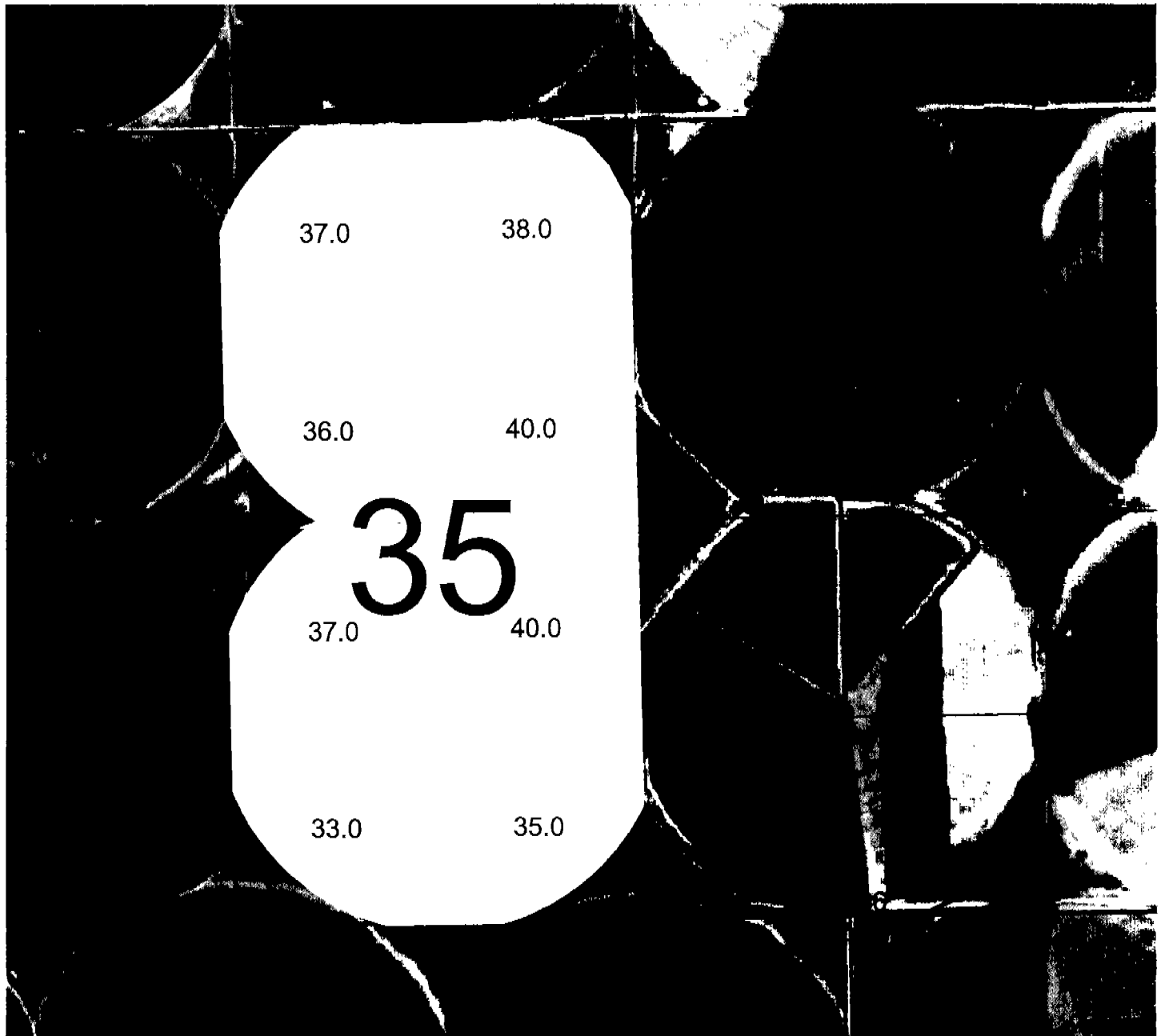
Proposed solution:

1. Kirk will obtain deeds showing correct property line.
2. We will prepare amended claims to match land ownership.
3. We will prepare an enlargement claim for the handline areas irrigated on Fugal's lands in the 1987 photo.
4. After the adjudication, there should be enough acres to allow a formal transfer to cover the rest of the Fugal mini pivot. These acres will come from parts of the sprinkler irrigated corners that are now ~~irrigated~~ by mini pivots, and some lands now occupied by a house and corrals. *dried up*
due to the

IDAHO DEPARTMENT OF WATER RESOURCES

Water Right 31-02427B

Township 8N Range 36E Section 35



⊙ Point(s) of Diversion, This WR

● Other Points of Diversion

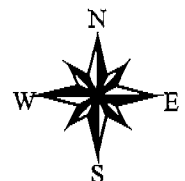
Place of Use, This WR

□ Other Places of Use

□ Section Lines

□ Quarter-quarter Sections

0 1320 Feet

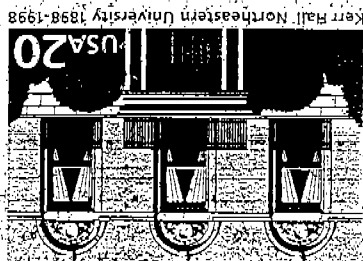


Prepared by Bryce A. Contor from 1987/1988 NAPP Photography, 6/2000

83425

Hauer, ID

Kirk Jacobs



Edw. R.
900 N. Skyline St. A
Idaho Falls ID 83402

Kirk-

If you can get a letter from
Frank Jacobs & Olive Fugal asking
for you to be added to their water
right files as a "representative," you'll
get a copy of any mailings, even from
Boise. If you now own any of
these, let me know ASAP. After July
there will be a fee for change of
membership
Thanks, Bruce

Split History of 31-02427

6/1/00 B. Conton

Blue = Licensed
acres/acre

888 acres

13.37 cfs

 $\approx 0.015/\text{acre}$

37	37
32	32
37	37
33	33
37	37
32	32
37	37
33	33

Red =

A31-02427A

296 acres

4.46 cfs

 $\approx 0.015/\text{acre}$

37	37	37	37
32	32	32	32
37	37	37	32
32	32	32	37
37	37	37	37
32	32	32	37
37	37	37	37
32	32	32	32

Heavy Blue = A31-02427B

296 acres 4.46 cfs $\approx 0.015/\text{acre}$

Green = A31-02427C

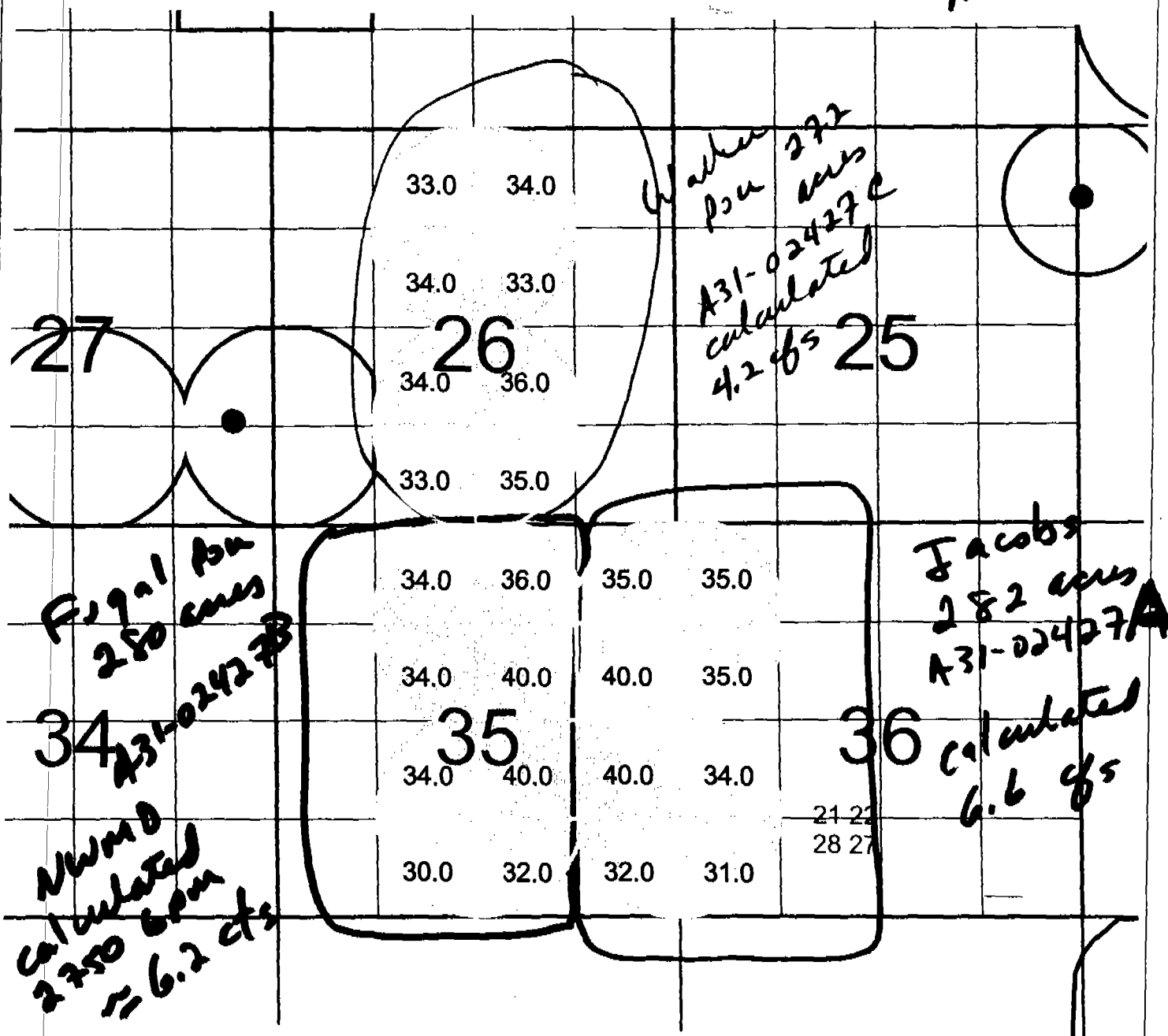
260 acres 5.20 cfs $\approx 0.20/\text{acre}$ claims Σ acres = 852 = underclaimed by 36 acresclaims Σ cfs = 14.12 = overclaimed by 0.75 cfs

IDAHO DEPARTMENT OF WATER RESOURCES

Water Right 31-02427

Township 8N Range 36E Section 26, 35, and 36

Actual POW
per 1987/88
NAPP



- Point(s) of Diversion, This WR
- Other Points of Diversion
- Place of Use, This WR
- Other Places of Use
- Section Lines
- Quarter-quarter Sections

0 1320 Feet



Prepared by Bryce A. Contor from 1987/1988 NAPP Photography, 6/2000

Salit History A 2

Summary of Split History, 31-02427

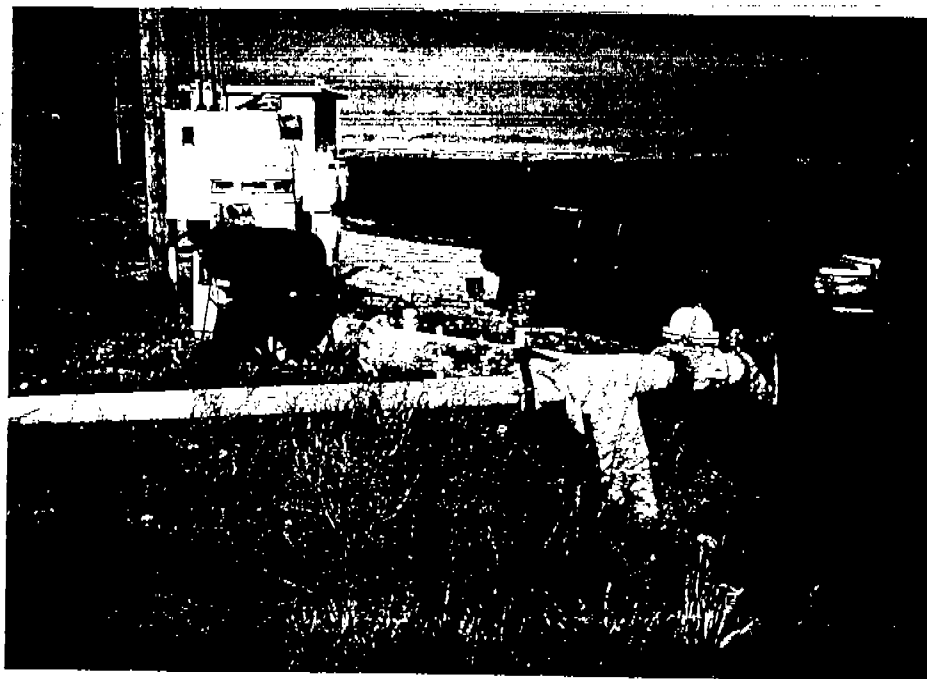
Claimant	Claim	Acres License	Claim	Actual	CFS License	Claim	Calc. Capacity
Jacobs	A31-02427A	296	296	282	4.46	4.46	6.6
Fugal	A31-02427B	296	296	280	4.46	4.46	6.2
Walker	A31-02427C	296	260	272	4.46	5.2	4.2
Totals		888	852	834	13.38	14.12	17

Conclusion:

Recommend Jacobs and Fugal as claimed. Note that NWMD exam indicates an additional mini pivot on Fugal which doesn't appear on 1987/1988 NAPP. As this does not appear to have been claimed, this isn't an issue for recommendation though it may become an issue for allocations later on.

Invite Walker to ammend claim to reflect additional actual acres. Recommend 4.46 cfs as proportional share of original water right, despite calculated capacity slightly less.

Water User	FUGAL, OLIVE H ID: 70
POD	08N 36E 35 SESENW
Site Tag #	A0008812
Record #	300498
Diversion Name	FUGAL WELL



PCC WORKSHEET

Name Olive Wgal (attach to WMD Field Report) Rec No 300498

Division Name Wgal Wall

SITE TAG: A0008812

DATE 10/12/98

EXAMINER (examiner) B. Conner

KILOWATT HOURS (kwh_2) 1561 x 320

IF MOTOR, PUMP, OR SYSTEM HAVE CHANGED SINCE FIELD INVENTORY, NOTE CHANGES HERE:

PCC_AF_QAL:

Z = Zero Pumpage

1 = Simple, no tracking

2 = Complex, no tracking req.

3 = Tracking req. & provided

4 = Tracking req, not provided

5 = Complex, exam incomplete

6 = Known problem with data

7 = PCC measured @ q-meter verification

8 = Low PCC where q-meter is required but not installed

9 = Calculated or Estimated PCC

N = No PCC

Q = Other, see exam notes

FOLLOW-UP DATE 2000

Power and Water Metering Information

KILOWATT HOUR METER		WATER MEASUREMENT METER and MOUNTING PIPE INFORMATION	
Utility	<u>UPL</u>	METER INFORMATION	
Pole No.		Manufacturer	<u>Peer</u>
Meter Manufacturer	<u>ABB</u>	Model Number	<u>ISTT-P</u>
Meter Serial No.	<u>1643871</u>	Type (std-meter)	<u>Sonic</u>
Disc Constant(Kh)	<u>1.2</u>	PIPE INFORMATION	
Rated Voltage		Pipe material	<u>See type</u>
Demand	<u>0.63 x 320</u>	Outside Diameter	
Multiplier (Mult)	<u>320</u>	Inside Diameter	
CTR (Current) PTR (Voltage)		Distance of straight pipe upstream and down	<u>Upstream/Down 7.10/7.10 dia</u>

Exam complete

std confid

E G F P

Determination of Power Consumption Coefficient

Kilowatts of Energy Consumed

$$KW = 3.6 \times Kh \times \text{Multiplier} \times \text{No. of revolutions}(N) \div \text{Time}(T) \text{ in seconds per } N$$

Cond.#1 N = 6 (No. of Disc Rev) Time (sec) = 41.92 + 41.76 + 41.78 / 3 = 41.82 Ave

$$3.6 \times \underline{1.2} (Kh) \times \underline{320} (Mult) \times \underline{6} (N) \div \underline{41.82} (T) = \underline{198.3} KW$$

$$0.63 \times 320 = 201.6$$

Cond.#2 N = _____ (No. of Disc Rev) Time (sec) = (_____) + (_____) + (_____) / 3 = _____ Ave

$$3.6 \times \underline{\hspace{1cm}} (Kh) \times \underline{\hspace{1cm}} (Mult) \times \underline{\hspace{1cm}} (N) \div \underline{\hspace{1cm}} (T) = \underline{\hspace{1cm}} KW$$

Cond.#3 N = _____ (No. of Disc Rev) Time (sec) = (_____) + (_____) + (_____) / 3 = _____ Ave

$$3.6 \times \underline{\hspace{1cm}} (Kh) \times \underline{\hspace{1cm}} (Mult) \times \underline{\hspace{1cm}} (N) \div \underline{\hspace{1cm}} (T) = \underline{\hspace{1cm}} KW$$

Measured Flow Rate and Discharge Pressure - Enter flow rate as determined by the "standard" water measurement meter in GPM, and discharge pressure measured in PSI. Attach documentation to support data such as notes, printout tapes etc.

GPM Cond. #1 2453 #2 2753 #3 _____

PSI Cond. #1 83 #2 _____ #3 _____

owner

Power Consumption Coefficient (PCC) = KW × 5431 ÷ GPM

$$PCC \text{ Cond. \#1} = \underline{198.3} (KW) \times 5431 \div \underline{2453} (gpm) = \underline{439.0} (kWh/ac.ft)$$

Percent of seasonal use 70

$$PCC \text{ Cond. \#2} = \underline{201.6} (KW) \times 5431 \div \underline{2753} (gpm) = \underline{397.7} (kWh/ac.ft)$$

Percent of seasonal use 30

$$PCC \text{ Cond. \#3} = \underline{\hspace{1cm}} (KW) \times 5431 \div \underline{\hspace{1cm}} (gpm) = \underline{\hspace{1cm}} (kWh/ac.ft)$$

Percent of seasonal use _____

Is the system operator required to track and report changes in system operation? Yes ☒ No ☐
(see form PCC3)

Water Level Data

Does the well have access to measure water levels? Yes ☐ No ☒

Static Water Level _____ ft Pumping Water Level _____ ft (at condition # _____)
Date _____ Date _____

Describe system operating conditions and how percentage of seasonal water obtained: _____

COND 1 = 2 Large pivots

COND 2 = 2 PIV + 1 MIN

Sketch of pumping plant layout or attach photograph of pumping plant and piping:

Action Add to Summer time pump schedule
Send card to Kirt Jacobs.

Data-enter
Comments: Cond 2 calculated based on estimated
GPM for min pivot demand RW.
- Note change in PCC appears to be less than 10%

I certify that the above information is true and correct to the best of my knowledge and ability and the measurements taken and recorded are in accordance with the standards and specifications of the equipment used.

Signature Dwight A. Conlon Date 10/12/98
(person performing measurements)

WATER MEASUREMENT DISTRICT
FIELD REPORT

DISTRICT NORTH

RECORD NUMBER 300498

SITE DATA:

EXAMINER (inv_name) B CONTOR

EXAM DATE 10/5/98 DIVERSION NAME Fugal
(site_visit) (div_name)

GPS FILE C100517c SITE TAG NUMBER A0008812
(gps_filnam) (site_tagno)

GPS OFFSET (offset) 6' above well

TAG LOCATION (tag_locat) pole w/ transformers

POD LEGAL (pod) T 8 N S, R 36 E, Sec 35, SW NW NW

DISTRICT MEASUREMENT CAPABILITY (std_rcmd):

SONIC (s) SONIC/DIG (sd) SONIC @ PVT (sp)

COLLINS (c) PYGMY (p)

MEASUREMENT RECOMMENDATIONS (op_num):

PCC (2) HOUR METER (7) IRR. FLOWMETER (1)

ALTERNATE (3) OTHER FLOWMETER (8) CRP (4)

AMEND CLAIM (A) OPEN CHANNEL DEVICE (9)

SUITABLE FOR PCC even if other method selected (pcc_ok) YES NO

TRACKING will be required (trkng_reqd) YES NO

Well has ACCESS PORT for water level meas. (wl_access) YES NO

FLOWMETER installation poss. w/o major change (qmtr_ez) YES NO

FOLLOW-UP DATE (folup_date) 1999

OWNER/OPERATOR INFORMATION

OWNER (name) Olive Fugal PHONE _____

ADDRESS _____ CEL PHONE _____

OPERATOR (contact) Kirk Jacobs PHONE _____

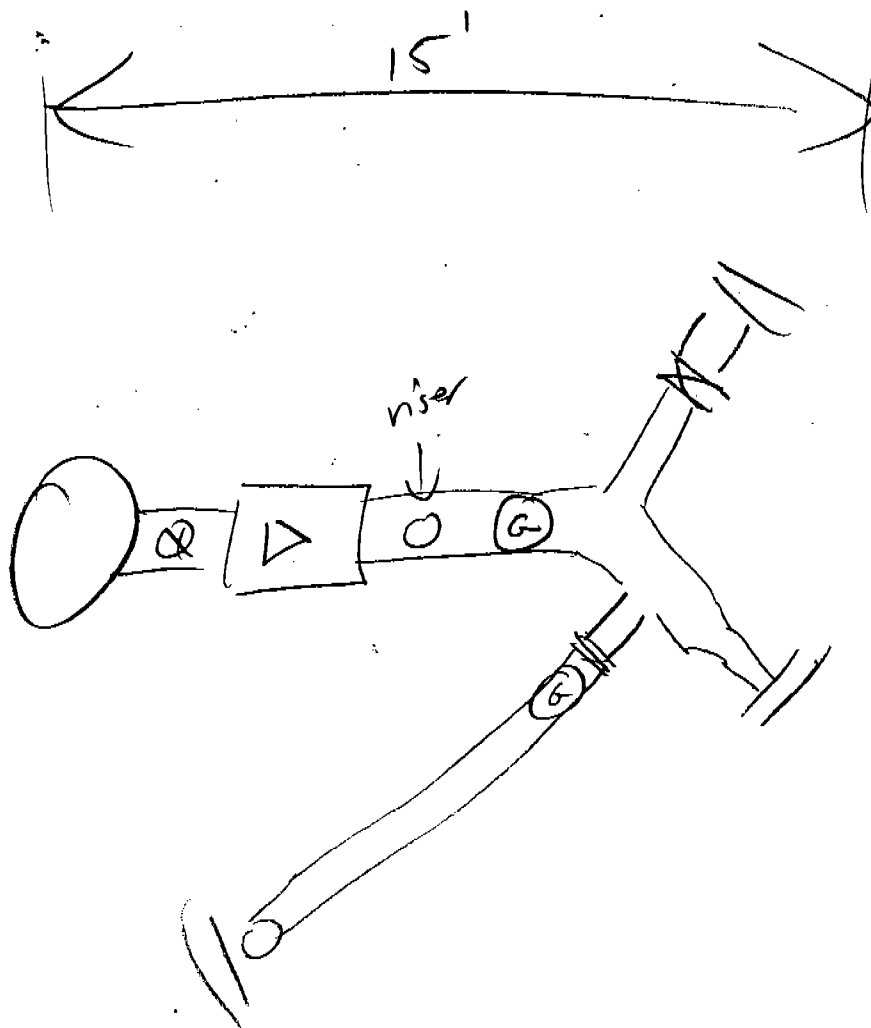
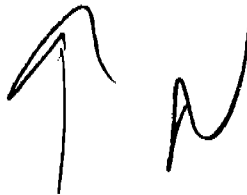
ADDRESS _____ CEL PHONE _____

PUMPING PLANT SKETCH

VALVE = 
CHECK VALVE = 
AIR VAC = 
PRESS. RELIEF = 

INDIVE/UPDIVE = 

HOSE BIB = 
PRESS. GAGE = 
WELL ACCESS = 



WELL/PUMP INFORMATION:

DEPTH OF WELL: _____ DEPTH OF BOWLS: _____

WATER LEVELS:

PRE-SEASON STATIC: _____ DATE MEAS: _____
(swl_pre) (swlpredate)DURING-SEASON STATIC: _____ DATE MEAS: _____
(swl_mid) (swlmidddate)POST-SEASON STATIC: _____ DATE MEAS: _____
(swl_post) (swlpstdate)DYNAMIC WATER LEVEL: _____ DATE MEAS: _____
(pmpng_wl) (pwl_date)

DOES STATIC WATER LEVEL DROP OR RISE OVER SEASON? YES NO

DOES ANOTHER WELL SPECIFICALLY INTERFERE WITH THIS WELL? YES NO

PUMP AND MOTOR INFORMATION:

WELL MOTOR

MFG: CESERIAL: DBF 413153HP: 250

BOOSTER 1 MOTOR

MFG: _____

SERIAL: _____

HP: _____

BOOSTER 2 MOTOR

MFG: _____

SERIAL: _____

HP: _____

WELL PUMP

MFG: Layne & BoulderSERIAL: 012862TYPE: VERT T CENT SUBMER
(pump_type) (v) (c) (s)

BOOSTER 1 PUMP

MFG: _____

SERIAL: _____

TYPE: VERT T CENT SUBMER

BOOSTER 2 PUMP

MFG: _____

SERIAL: _____

TYPE: VERT T CENT SUBMER

UTILITY KWH METER INFORMATION:

UTILITY: UPL
(utility)POLE #: _____
(pole_no)MAX KW DEMAND 0.64 x 320KILOWATT HRS 1559 x 320
(kwh_1)

(use date of exam for "kwh1_date")

UTILITY ACCOUNT NUMBER _____
(acct_no)KWH METER SERIAL: 1643871
(pwrmttr_sn)METER MFG: ABB
(pwrmttr_mfg)Kh DISK CONSTANT 1.2
(kh)MULTIPLIER 320
(disk_mult)

SYSTEM DESCRIPTION/NARRATIVE COMMENTS:

SYSTEM TYPE PIVOT
(system_type)COMMENTS TO DATA-ENTER (exam_notes): Tracking depends on
operation. 1998 = one cup. If tracking is
needed, consider using pt. hrs x weighted avg. OPM.
Note "#3" is on motor panel but interview notes
say "#9" is division name.

FILE-ONLY COMMENTS: _____

I certify that the above information is true and correct to the best
of my knowledge and ability and the measurements taken and recorded
are in accordance with the standards and specifications of the
equipment used.

Signature

Bya A. Contor

Date

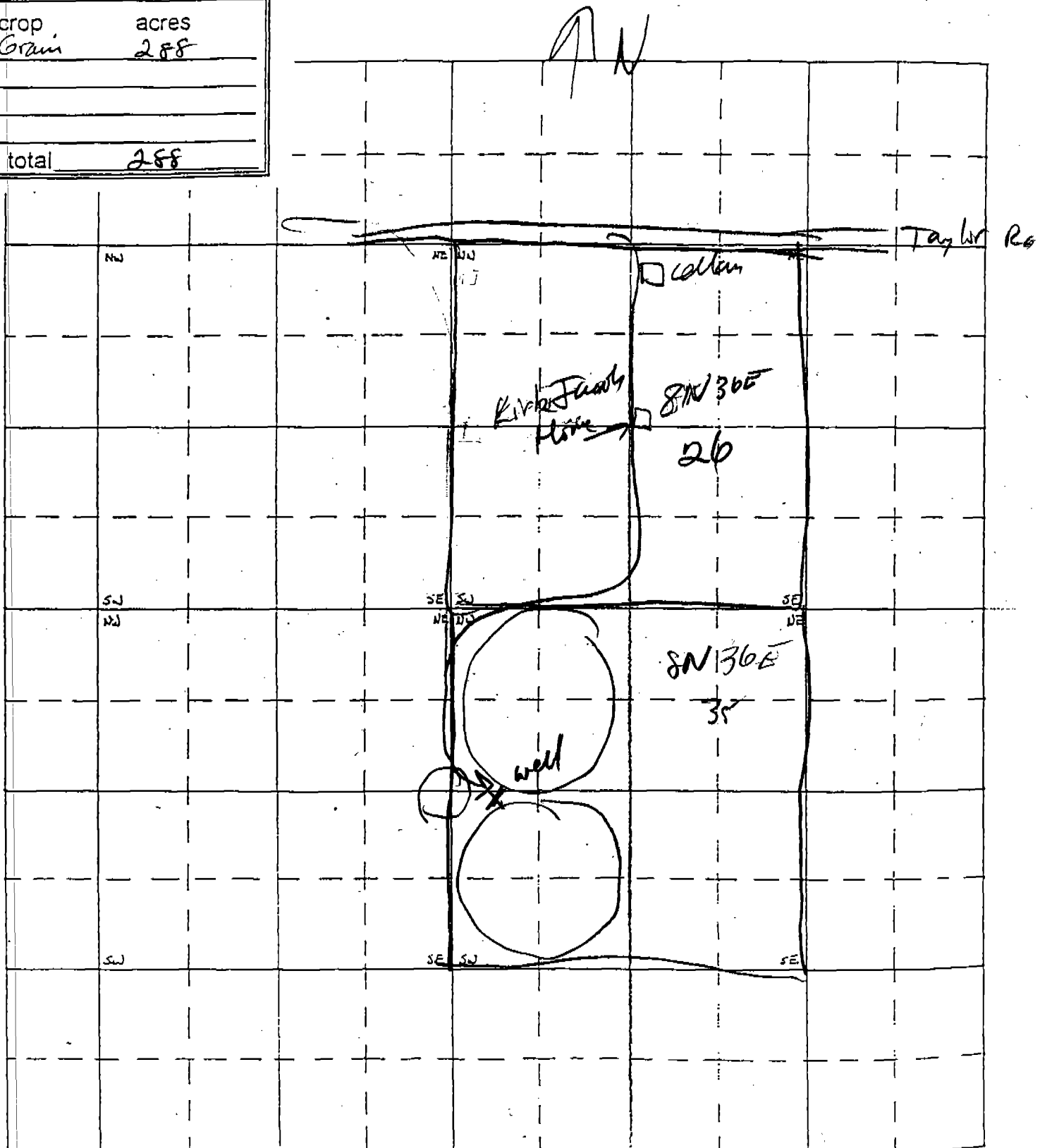
10/5/98

EASTERN WATER MEASUREMENT DISTRICT

SUPPLEMENTAL DATA FORM A

SKETCH OF IRRIGATED LANDS AND MAJOR COMPONENTS OF DELIVERY SYSTEM/S

crop	acres
1 Grain	288
2	
3	
4	
total	288



SCALE 1:24,000

✓

Please
 Data Enter
 { File

NORTH WATER MEASUREMENT DISTRICT

FIELD REPORT

300498

SITE DATA:

EXAMINER (inv_name) Bac

EXAM DATE: _____
(site_visit)

DIVERSION NAME: _____
(div_name)

GPS FILE NAME: _____
(gps_filnam)

SITE TAG #: _____
(site_tagno)

OFFSET (offset): _____

TAG LOCATION (tag_locat): _____

POD LEGAL: SE 1/4 SE 1/4 NW 1/4, Sec. 35, T 8 N, R 36 E
(pod)

DEPT. MEASUREMENT CAPABILITY (std_rcmd):

SONIC (s)

SONIC/DIG (sd)

SONIC @ PVT (sp)

COLLINS (c)

PYGMY (p)

MEASUREMENT RECOMMENDATIONS (op_num):

PCC (2) HOUR M. (7) IRR. FLOWMETER (1)

OTHER FLOWMETER (8) ALTERNATE (3)

SUITABLE FOR PCC EVEN IF OTHER METHOD SELECTED (pcc_ok) YES NO

TRACKING WILL BE REQUIRED (trkng_reqd) YES NO

WELL HAS GOOD ACCESS PORT FOR WATER LEVEL MEAS (wl_access) YES NO

FLOWMETER INSTALLATION POSS. W/O MAJOR CHANGE (qmtr_ez) YES NO

USER ANTICIPATES MAJOR SYSTEM CHANGE 1 YR 2 YRS 3 YRS

FOLLOW-UP DATE (folup_date): YEAR 1999 MONTH _____ DAY _____

OWNER/OPERATOR INFORMATION:

OWNER (name): Olive Dugal PHONE _____
(if this is a change, data enter "yes" in field "name_chng")

ADDRESS # 70 CEL PHONE _____

OPERATOR (contact) Kirk Jacobs PHONE 662-5415

ADDRESS _____ CEL. PHONE _____

OVERLAP:

OTHER WR. THIS POD _____

OTHER POD THIS WR. _____

PUMPING PLANT SKETCH

VALVE	=	
CHECK VALVE	=	
AIR VAC	=	
PRESS. RELIEF	=	
INDIVE/UPDIVE	=	
HOSE BIB	=	
PRESS. GAGE	=	
WELL ACCESS	=	

WELL/PUMP INFORMATION:

DEPTH OF WELL: _____ DEPTH OF BOWLS: _____

WATER LEVELS:PRE-SEASON STATIC: _____ DATE MEAS: _____
(swl_pre) (swlpredate)DURING-SEASON STATIC: _____ DATE MEAS: _____
(swl_mid) (swlmidddate)POST-SEASON STATIC: _____ DATE MEAS: _____
(swl_post) (swlpstdate)DYNAMIC WATER LEVEL: _____ DATE MEAS: _____
(pmpng_wl) (pwl_date)

DOES STATIC WATER LEVEL DROP OR RISE OVER SEASON? YES NO

DOES ANOTHER WELL SPECIFICALLY INTERFERE WITH THIS WELL? YES NO

PUMP AND MOTOR INFORMATION:**WELL MOTOR**

MFG: _____

SERIAL: _____

HP: _____

WELL PUMP

MFG: _____

SERIAL: _____

TYPE: VERT T CENT SUBMER
(pump_type) (v) (c) (s)**BOOSTER 1 MOTOR**

MFG: _____

SERIAL: _____

HP: _____

BOOSTER 1 PUMP

MFG: _____

SERIAL: _____

TYPE: VERT T CENT SUBMER

BOOSTER 2 MOTOR

MFG: _____

SERIAL: _____

HP: _____

BOOSTER 2 PUMP

MFG: _____

SERIAL: _____

TYPE: VERT T CENT SUBMER

UTILITY KWH METER INFORMATION:UTILITY: _____
(utility)POLE #: _____
(pole_no)

MAX KW DEMAND _____

KILOWATT HRS _____
(kwh_1)
(use date of exam for "kwh1_date")UTILITY ACCOUNT NUMBER _____
(acct_no)KWH METER SERIAL: _____
(pwrmttr_sn)METER MFG: _____
(pwrmttr_mfg)Kh DISK CONSTANT _____
(kh)MULTIPLIER _____
(disk_mult)

SYSTEM DESCRIPTION/NARRATIVE COMMENTS:

SYSTEM TYPE

Pivots

(system_type)

COMMENTS TO DATA-ENTER (exam_notes):

1 well, 2 full pivots, 1 minie Tracking by hr meters.Alternate → mini + 1 pivot or 2 full pivots
or 1 big pivots

FILE-ONLY COMMENTS:

Kirk will pay bill, delayed in mail to Connecticut.~~Tracking by hr meters:~~~~Cond 1 = 1 pivot + mini hrs = mini pivot hrs~~~~Cond 2 = 2 big pivots hrs = pump hrs - (cond 1 hrs + cond 3 hrs)~~~~Cond 3 = 1 Big pivot hrs = (Sum of big pivot hrs) - (pump hrs)~~~~% at each condition = $\frac{\text{condition hrs}}{\text{pump hrs}}$~~ Recommendation by B. Conter based on interview
w/ Kirk Jacobs 7/8/97

 I certify that the above information is true and correct to the best of my knowledge and ability and the measurements taken and recorded are in accordance with the standards and specifications of the equipment used.

Signature

Date

Jacobs / Fugal

Cond 1 = Big Pivot + mini

Cond 2 = 2 Big Pivots

Cond 3 = 1 Big Pivot w/o mini

Cond 1 hrs = (mini pivot hrs)

Cond 2 hrs = (sum of ^{big} pivot hrs) - (pump hrs)

Cond 3 hrs = (pump hrs) - (Cond 1 hrs + Cond 2 hrs)

Note that hr meter tracking on 7/7/97
inventory sheet went wrong

BAC 8/5/97

This assumes big pivots are same 6PM-
check at time of exam!

Power of Attorney

I, Olive H. Fugal, 15 Beach Ave., Woodmont, Connecticut, 06460, hereby give Frank H. Jacobs, 149 East 2nd South, Rexburg, Idaho, 83440, power of attorney to file and whatever else is necessary to protect, comply with, and other factors pertaining to my water rights on any of my real estate in Jefferson County and Madison County in the state of Idaho, particularly filing necessary documents with Idaho Water Resource Board, and Court Orders, and State Requirements.

Olive H. Fugal

Olive H. Fugal

Thomas F. Stuart

Notary Public

COMM. EXP. APRIL 1, 1989

MICROFILMED

NOV 17 1992

Water Right Number - 31-02427

Adj. Flag Translation: Standard Water Right Number

Old (D) Number - 32818

+ - - - - Last Name - - - - + + - First Name - - + + - - - - - Address - - - - - +

*** C - CURRENT OWNER ***
CAL-IDA INC.1 -
2 -
3 -City- NEWDALE
Phone -

State- ID Zip- 83436

+ - - Priority Date - - + + - - Region - - - + + - - Stage - - - + + - - Status - - - - +
03/29/1966 15 L - LICENSE+ - - - - Source - - - - - + + - - - - - Tributary - - - - - +
GROUNDWATER+ - - - - Point of Diversion - - - - - +
Twn, Rng Sec Tract Lot RFlg County Stream Index (Blank if no Index Code)

08N	36E	26	SE NW	(51)	JEFFERSON
08N	36E	35	SE NE	(51)	JEFFERSON
08N	36E	35	SE NW	(51)	JEFFERSON

DO NOT FILE

Code	Description	Period From	Period To	Water Use	Diversion Rate	Diversion Volume
01 - IRRIGATION					13.370	

Total Div. Rate - +	+ - Total Div. Volume - +	+ - Total Div. Capacity - +	+ - Total Consumptive Use - +	+ - KW Usage - +
13.370				

Twn	Rng	Sec	Tract	Lot	Acres	Code	Description	County
08N	36E	26	NW NE		37.0	01	IRRIGATION	(51) JEFFERSON
08N	36E	26	SW NE		37.0	01	IRRIGATION	(51) JEFFERSON
08N	36E	26	NE NW		37.0	01	IRRIGATION	(51) JEFFERSON
08N	36E	26	SE NW		37.0	01	IRRIGATION	(51) JEFFERSON
08N	36E	26	NE SW		37.0	01	IRRIGATION	(51) JEFFERSON
08N	36E	26	SE SW		37.0	01	IRRIGATION	(51) JEFFERSON
08N	36E	26	NW SE		37.0	01	IRRIGATION	(51) JEFFERSON
08N	36E	26	SW SE		37.0	01	IRRIGATION	(51) JEFFERSON
08N	36E	35	NE NE		37.0	01	IRRIGATION	(51) JEFFERSON
08N	36E	35	NW NE		37.0	01	IRRIGATION	(51) JEFFERSON
08N	36E	35	SW NE		37.0	01	IRRIGATION	(51) JEFFERSON
08N	36E	35	SE NE		37.0	01	IRRIGATION	(51) JEFFERSON
08N	36E	35	NE NW		37.0	01	IRRIGATION	(51) JEFFERSON
08N	36E	35	SE NW		37.0	01	IRRIGATION	(51) JEFFERSON
08N	36E	35	NE SW		37.0	01	IRRIGATION	(51) JEFFERSON
08N	36E	35	SE SW		37.0	01	IRRIGATION	(51) JEFFERSON
08N	36E	35	NE SE		37.0	01	IRRIGATION	(51) JEFFERSON

Water right number - 31-02427 Adj. flag translation: Standard Water Right Number

+ - - - - - Place of Use - - - - - +									
Twn	Rng	Sec	Tract	Lot	Acres	Code	Description	County	
08N	36E	35	NW SE		37.0	01	IRRIGATION	(51)	JEFFERSON
08N	36E	35	SW SE		37.0	01	IRRIGATION	(51)	JEFFERSON
08N	36E	35	SE SE		37.0	01	IRRIGATION	(51)	JEFFERSON
08N	36E	36	NW NW		37.0	01	IRRIGATION	(51)	JEFFERSON
08N	36E	36	SW NW		37.0	01	IRRIGATION	(51)	JEFFERSON
08N	36E	36	NW SW		37.0	01	IRRIGATION	(51)	JEFFERSON
08N	36E	36	SW SW		37.0	01	IRRIGATION	(51)	JEFFERSON

Total Acres: 888.0

+ - - Diversion Means -

+ - - Non-Irrigation Use -

+ - - Other Rights for Same Use -

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

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

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

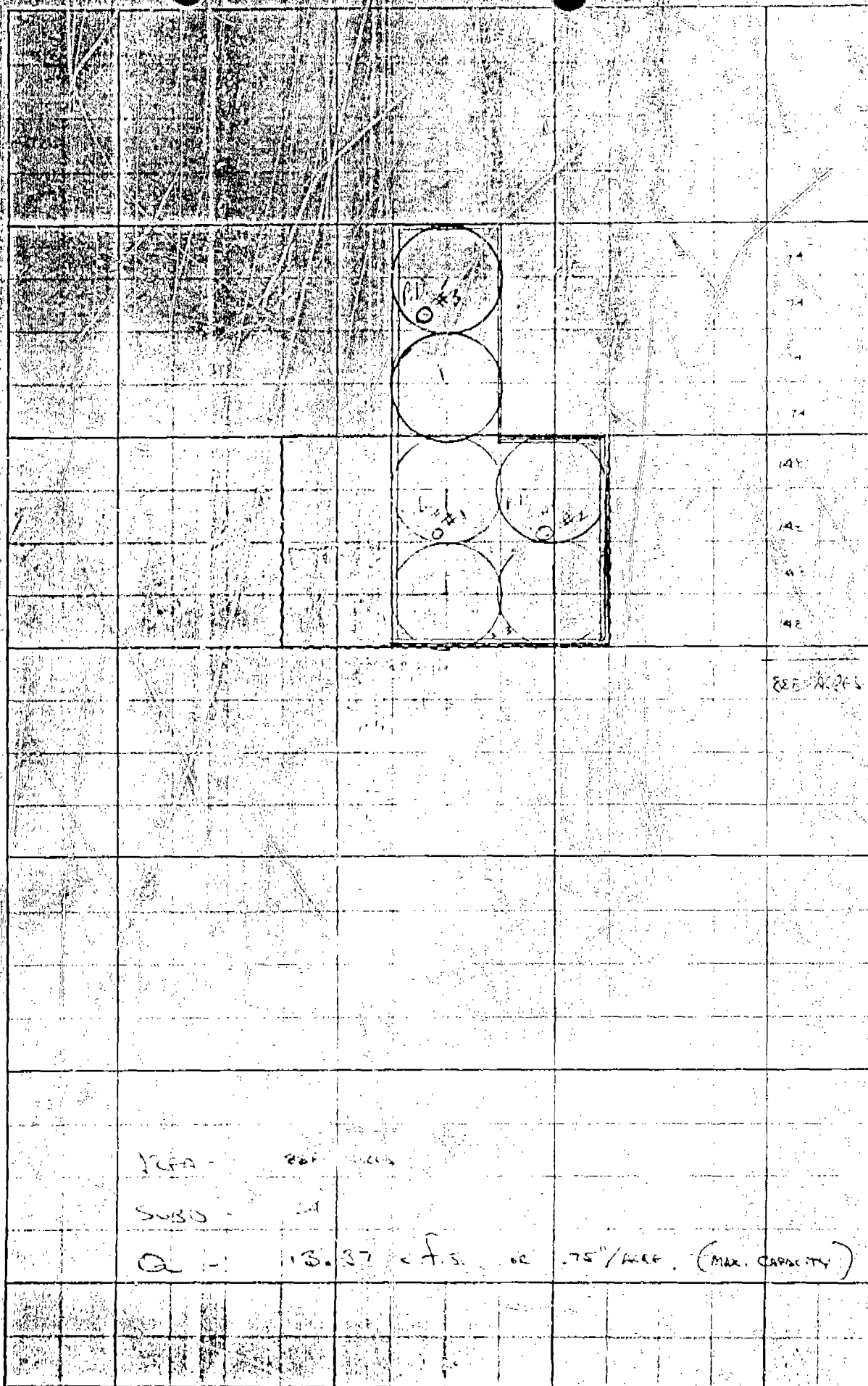
+ - - Microfilm Rolls -

+ - - Audit Fields - 03/12/85 05/22/88 CONVERT

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

Proof Due Date - 00/00/0000	Field Exam Made - 00/00/0000	Field Exam Fee -
Approved/Denied - 00/00/0000	Protested Date - 00/00/0000	Swan Falls -
Proof Made Date - 00/00/0000	Hearing Date - 00/00/0000	Temporary Right - P
Start Work Date - 00/00/0000	Verified Date - 03/12/1985	DLE/Carey Act -
Order Show Cause - 00/00/0000	Receipt Number -	Water District -
Licensed Date - 04/17/1979	Appl Received - 00/00/0000	Transfer/Amended -
Decree Date - 00/00/0000		

DO NOT FILM



PCFA - 200

SUBSO - 1

Q - 13.37 c.f.s. or .75"/sec. (MAX. CAPACITY)

License and Certificate of Water Right

Water License No. G-32818 Priority March 29, 1966 Amount 13.37 c.f.s.

THIS IS TO CERTIFY that CAL-IDA, INC. of Newdale, Idaho, made application for a permit to appropriate the public waters of the State of Idaho, dated March 29, 1966; that Permit No. G-32818 was issued under said application; that Certificate of Completion of Works, with a carrying capacity of 13.37 second feet, was issued thereunder on April 24, 1968, showing that said works were completed on the 7th day of September, 1966; and that on the 7th day of September, 1966, Cal-Ida Inc. by Clair Robinson, president of Newdale, State of Idaho, made proof to the satisfaction of the State Reclamation Engineer of Idaho, of a right to the use of the waters of a well

a tributary of subterranean flow for the purpose of irrigation under Use Permit No. G-32818 of the Department of Reclamation, and that said right to the use of said waters has been perfected in accordance with the laws of Idaho, and is hereby confirmed by the State Reclamation Engineer of Idaho and entered of record in ~~Volume 66~~ ~~of the Boise County Records~~ on the 24 day of April, 1968.

The right hereby confirmed dates from March 29, 1966. The Point of Diversion is located 3 points: one in SE 1/4 NW 1/4 Sec. 26; one in SE 1/4 NW 1/4 and one in the SE 1/4 NE 1/4 Sec. 35, Twp. 8 N, R. 36 E, B.M. Jefferson County. That the amount of water to which such right is entitled and hereby confirmed, for the purposes aforesaid, is limited to an amount actually needed and beneficially used for said purposes, and shall not exceed 13.37 cubic feet per second.

Description and location of use:

Twp.	Range	Section	Forty-Acre Tract	No. Acres Described in Permit	No. Acres Actually Irrigated
8 N	36 E	26	NW NE	40	37
			SW NE	40	37
			NE NW	40	37
			SE NW	40	37
			NE SW	40	37
			SE SW	40	37
			NW SE	40	37
			SW SE	40	37
		35	NE NE	40	37
			NW NE	40	37
			SW NE	40	37
			SE NE	40	37
			NE NW	40	37
			SE NW	40	37
			NE SW	40	37
			SE SW	40	37
		36	NE SE	40	37
			NW SE	40	37
			SW SE	40	37
			SE SE	40	37
			NW NW	40	37
			SW NW	40	37
			NW SW	40	37
			SW SW	40	37

Total number of acres irrigated

888

The right to the use of the water aforesaid hereby confirmed is restricted to the lands or place of use herein described, as provided by the laws of Idaho.

WITNESS the seal and signature of the State Reclamation Engineer, affixed at Boise, Idaho, this 24 day of April, 1968.

Darcy

State Reclamation Engineer.

h-32818