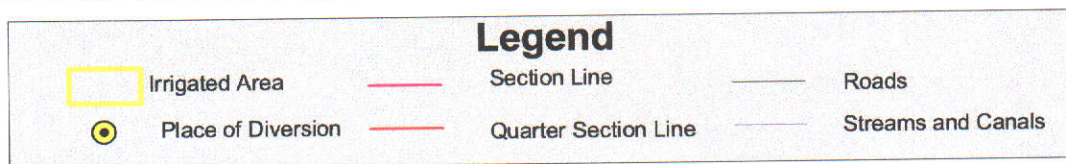
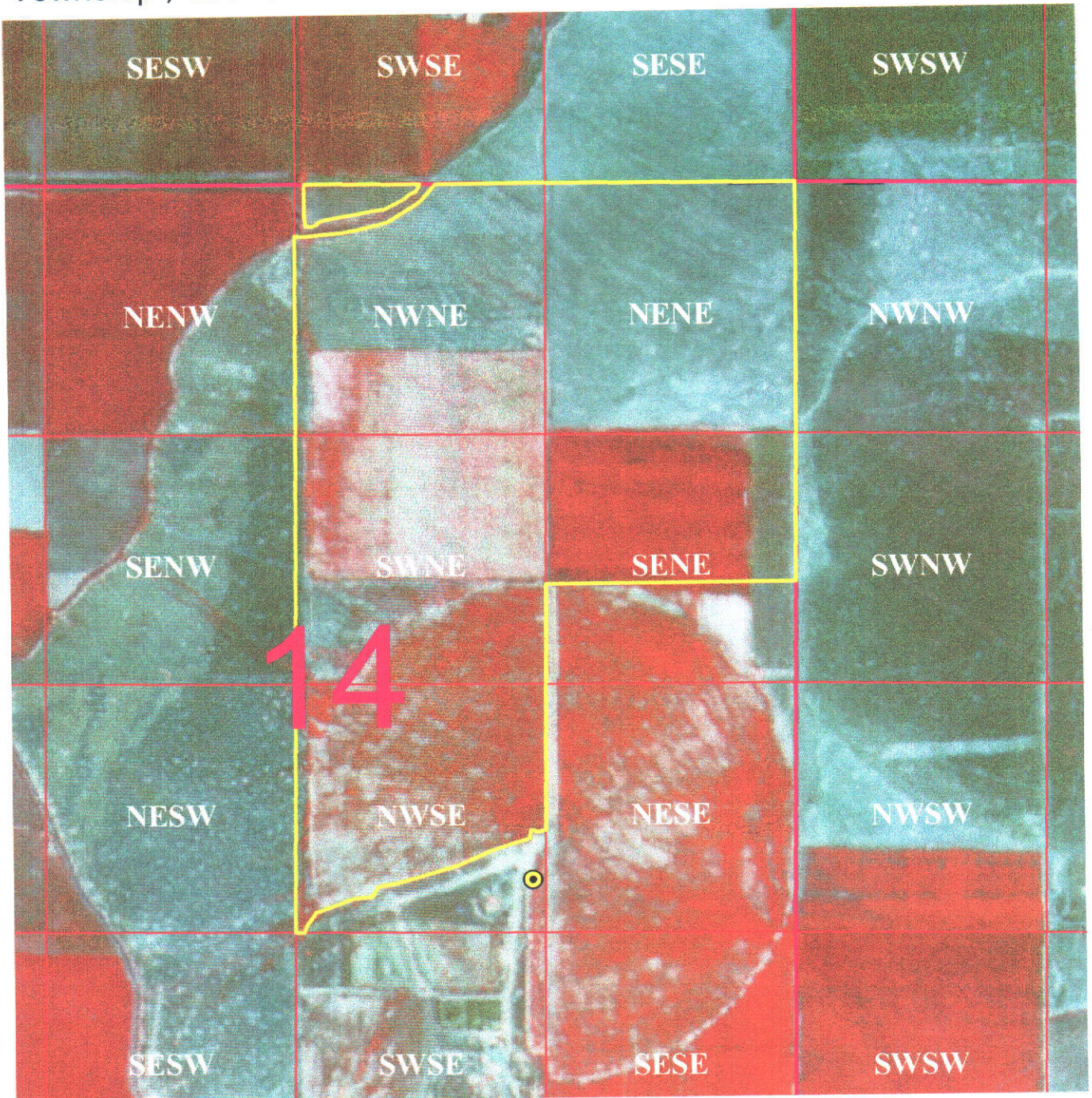


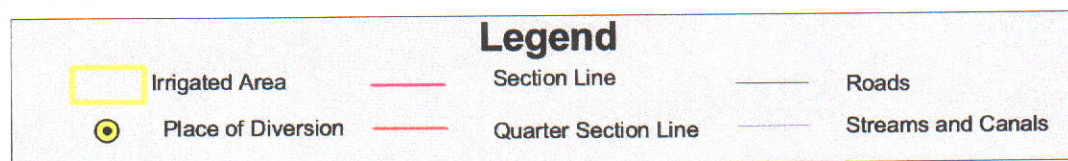
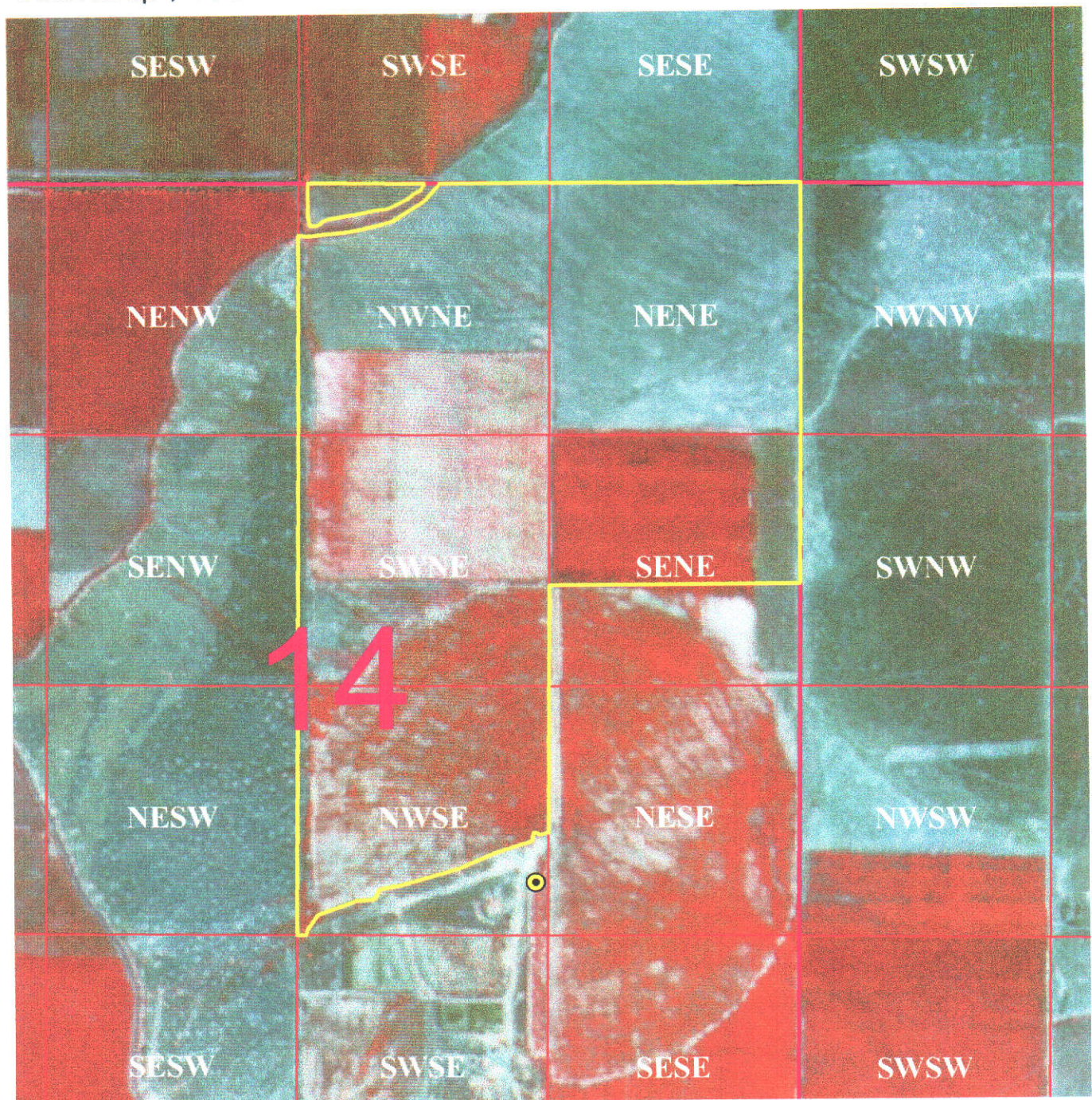
Water Right Claim Number 47-07349
Township , 10S13E

03/26/2001



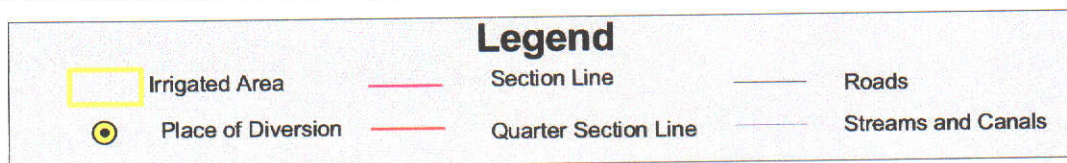
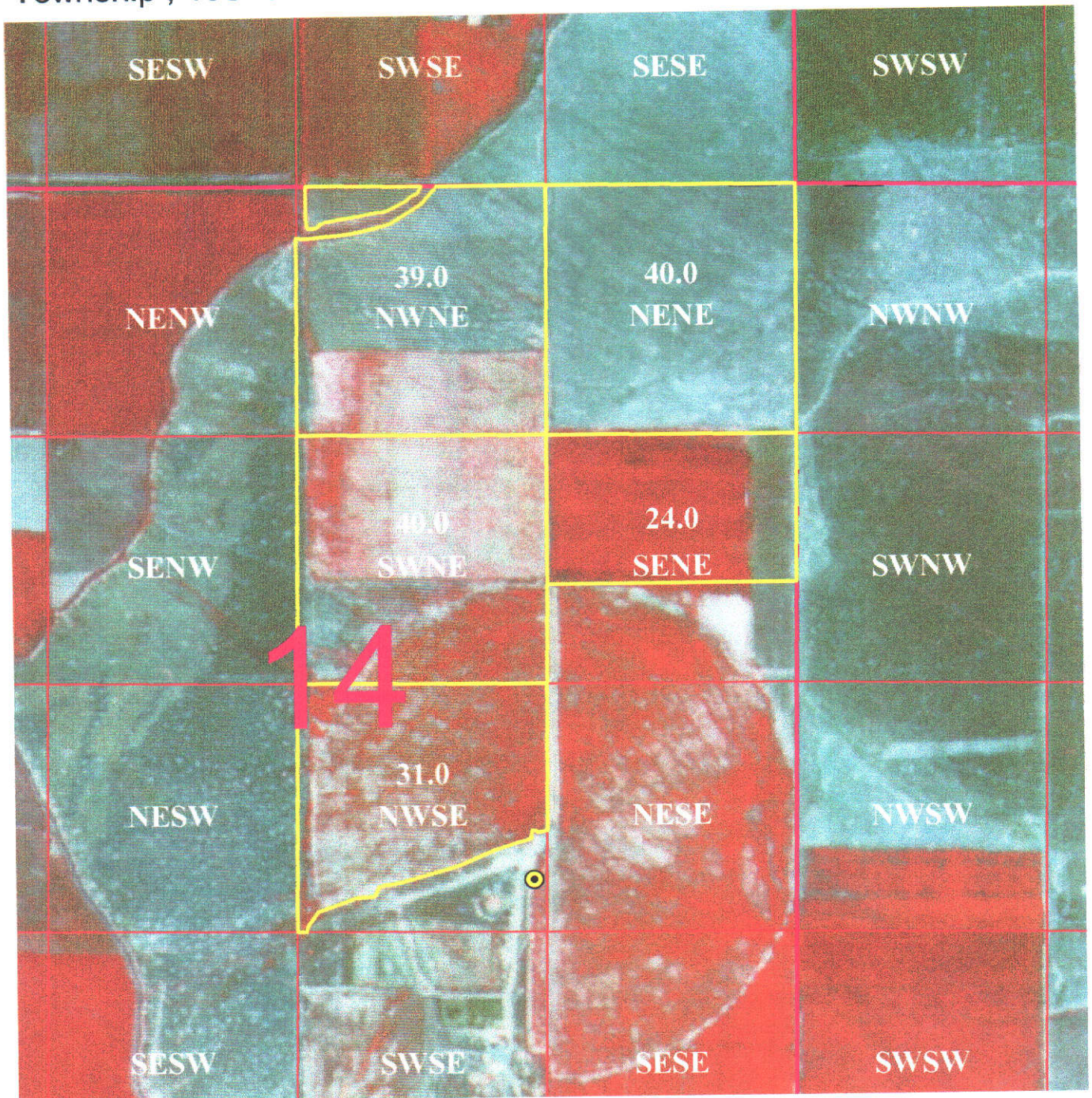
Water Right Claim Number 47-07349
Township , 10S13E

03/26/2001



Water Right Claim Number 47-07349
Township , 10S13E

03/26/2001



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

IN RE THE GENERAL ADJUDICATION
OF RIGHTS TO THE USE OF WATER FROM
THE SNAKE RIVER BASIN WATER SYSTEM.

CIVIL CASE NUMBER: 39576

Ident. Number: A47-07349
Date Received: 7/11/1988
Receipt No: 5003935
Received By:

NOTICE OF CLAIM TO A WATER RIGHT
ACQUIRED UNDER STATE LAW

1. Name: WELLS LIVESTOCK INC.
Address: 512 N. BROADWAY
BUHL, ID 83316

2. Date of Priority: AUG 30, 1976

3. Source: GROUNDWATER Trib. to:

4. Point of Diversion:

Township	Range	Section	1/4 of	1/4 of	1/4	Lot	County
10S	13E	14	NW	SE			TWIN FALLS

5. Description of diverting works:
WELL, PUMP & SPRINKLERS.

6. Water is used for the following purposes:

Purpose	From	To	C.F.S.	(or)	A.F.A.
IRRIGATION	03/15	11/15	4.000		

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

8. Total consumptive use is Acre Feet Per Annum.

9. Non-irrigation uses:

10. Place of Use:

Township	Range	Section	1/4 of	1/4	Lot	Use	Acres
10S	13E	14	NE	NE		IRR	40.0
			NW	NE		IRR	40.0
			SW	NE		IRR	40.0
			SE	NE		IRR	19.0

A47-07349

Page 1

Date: 11/21/88

MICROFILMED

MAR 11 1993

10. Place of Use: Continued

Township	Range	Section	1/4 of 1/4	Lot	Use	Acres
10S	13E	14	NW SE		IRR	25.0

Section Acres 164.0

Total Acres 164.0

11. Place of use in counties: TWIN FALLS

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

13. Other Water Rights Used:
NONE

14. Remarks:

LAND IN SE/SE SEC. 11 IS IRRIGATED WITH CANAL WATER. STOCK USE WAS NOT COVERED IN LICENSING EXAM, SO IS NOT COVERED BY THIS CLAIM. SEE CLAIM 47-11691 FOR STOCK USE. THE ORIGINAL PUMP IS USED IN THE WELL. A BOOSTER PUMP HAS BEEN ADDED TO MAINTAIN PRESSURE ON LONG SETS & STEEP AREAS.

15. Basis of Claim: PERMIT

(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 X wish to receive and pay a small annual fee for monthly copies of the docket sheet.

MAR 11 1993

AJ0749NP
No. A47-07349

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

DATE: 10/01/98
PAGE: 1

OWNER CODE	NAME & ADDRESS	PRIORITY DATE	WATER USE	USE PERIOD FROM TO	DIVERSION RATE	DIVERSION VOLUME
C	WELLS LIVESTOCK INC 782 E 3800 N BUHL ID 833165934 (208) 537-6709	08/30/1976	IRRIGATION	03-15 11-15	4.00 CFS	
TOTAL DIVERSION:					4.00 CFS	

RECEIVED

OCT 05 1998

Department of Water Resources
Southern Region

Water Source: GROUNDWATER

Tributary to:

Stage: PERMIT

Point(s) of Diversion:

T10S R13E S14

NWSE

TWIN FALLS 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
10S	13E	14	:	40		40		40		19	:							25		164.0
TOTAL ACRES																			164.0	

POU County: TWIN FALLS

Other Rights: NONE

Conditions of Approval:

- 01B - The right holder shall either install a measuring device or
- provide a certified measurement by a professional engineer or
- install an access port or other device as specified by the
- Department.

Remarks: GEN LAND IN SE/SE SEC. 11 IS IRRIGATED WITH CANAL WATER. STOCK USE
WAS NOT COVERED IN LICENSING EXAM, SO IS NOT COVERED BY THIS
CLAIM. SEE CLAIM 47-11691 FOR STOCK USE. THE ORIGINAL PUMP IS
USED IN THE WELL. A BOOSTER PUMP HAS BEEN ADDED TO MAINTAIN
PRESSURE ON LONG SETS & STEEP AREAS.

ADDRESS CHANGE BY CLAIMANT LETTER, SS 10/01/98.

Dates: Exam Made Date:

Verified Date:

Objection Filed Date:

Misc: Water District Number:

Field Inspection Flag:
Presumption Flag:



State of Idaho
DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, P.O. Box 83720, Boise, Idaho 83720-0098
Phone: (208) 327-7900 FAX: (208) 327-7866

RECEIVED
OCT 01 1998
Department of Water Resources

PHILIP E. BATT
GOVERNOR

September 24, 1998
KARL J. DREHER
DIRECTOR

WELLS LIVESTOCK INC
782 E 3800 N
BUHL ID 83316-5934

Re: Snake River Basin Adjudication (SRBA)
Notices of Claim #47-11691, A47-02307 & A47-07349
Change of Address

Records Modified 10-1-98

Dear Claimant:

IDWR has been notified the address presently in our records is incorrect. Although we have reached you at the address above, we need your written confirmation this is your correct mailing address before we can change our records. Future notices related to your water right(s) can be sent only to the address on your water right(s) or as otherwise changed by you.

Please sign your name at the bottom of this letter and return it to this office. Make corrections to your name and address if necessary and list any other water rights you may have before returning this letter by October 15, 1998. Thank you for your help.

If your mail delivery address changes in any form, please contact us in writing so we can update our records.

If there has been a change in ownership of the property connected with the water right(s) referenced above, please call this office toll-free at 1-800/451-4129 to obtain a form to make this required change to the water right record.

Sincerely,

[Signature]
Sally Sherman
Technical Records Specialist
Adjudication Bureau

SS:region

#####

The address is correct as shown above or as otherwise changed.

Wells Livestock Inc

537 6109

Claimant Signature

Telephone No.

by W.E. Wells

return
to sender

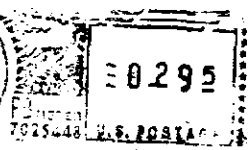
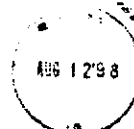
fee due **50¢**

First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, P.O. Box 83720
Boise, Idaho 83720-0098

ADDRESSEE SERVICE
REQUESTED

POSTAGE
FIRST CLASS



RETURN SERVICE REQUESTED

IMPORTANT WATER RIGHT INFORMATION

WELL + A47-02307
A47-07349

CC: W.M.

47-11691
WELLS LIVESTOCK INC
512 N BROADWAY
BUHL ID 83316

WELLS 512 70333162004 1698 08 08/14/98
70333162004 1698 08 08/14/98
FORM 3547
WELLS 3000 N
BUHL ID 83316-5734

Barcode

Barcode

U.S. POSTAL SERVICE
PS FORM 3547

Log for claim 47-07349

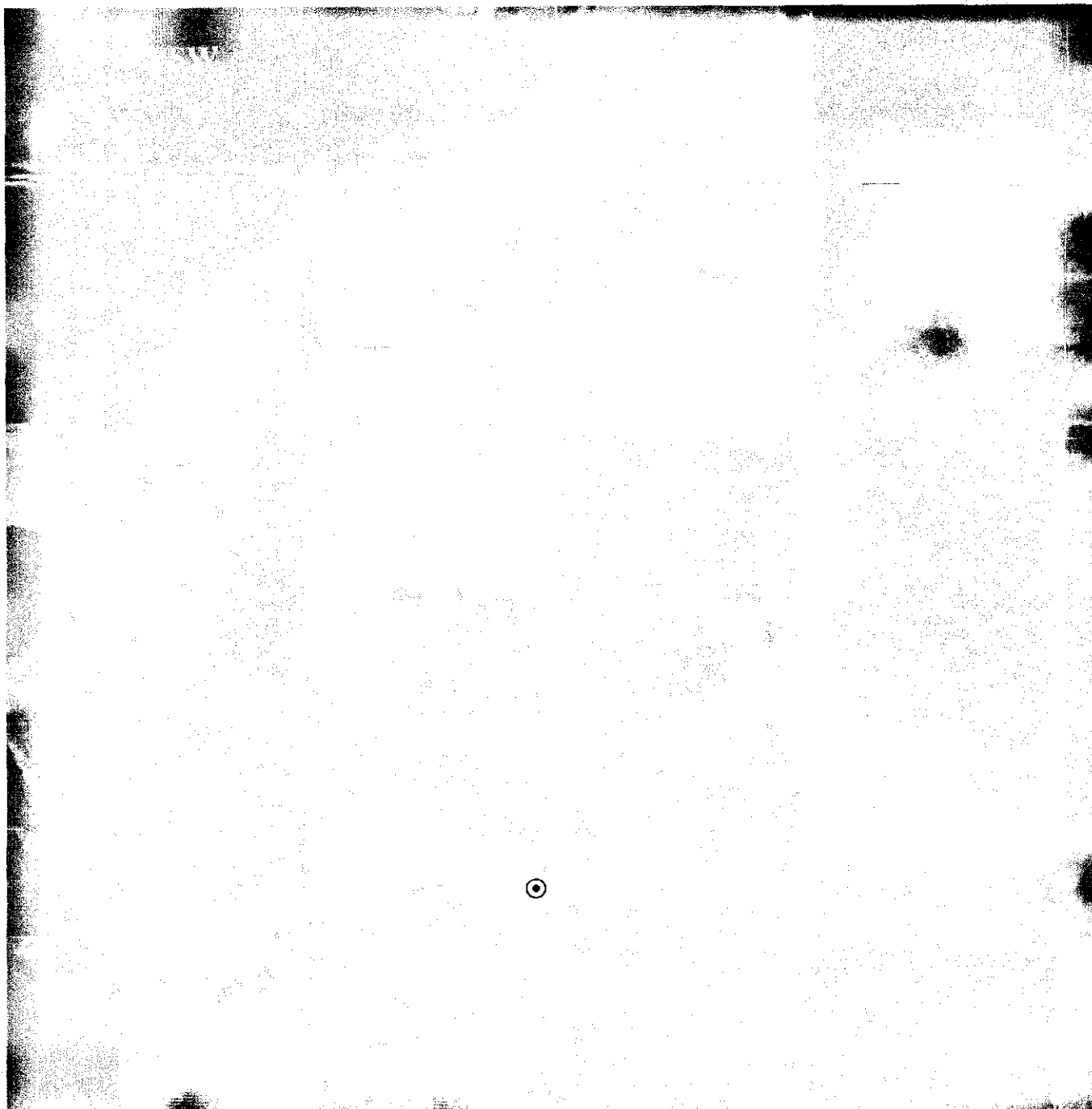
Spatial Dynamics LTD

3/26/01

TR	SEC	QQ	Acres Claimed	Acres Found	COMMENT
10s13e	14	NENE	40	40	
10s13e	14	NWNE	40	39	
10s13e	14	SWNE	40	40	
10s13e	14	SENE	19	24	
10s13e	14	NWSE	25	31	
Totals:			164	174	

Water Right Claim Number 47-07349
Township , 10S13E

03/26/2001



Legend			
Irrigated Area	Section Line	Roads	
Place of Diversion	Quarter Section Line	Streams and Canals	

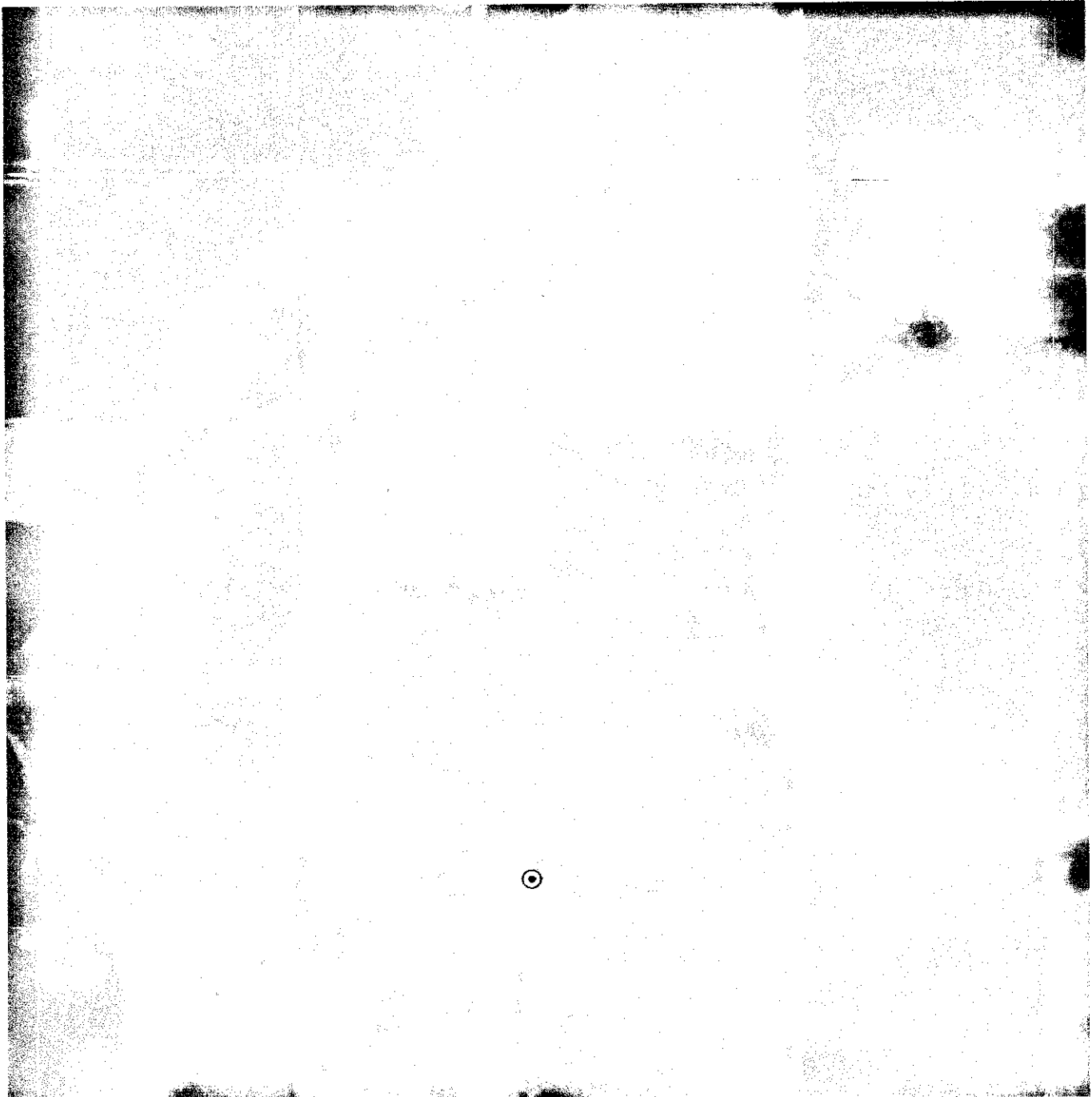
600 0 600 1200 Feet



SPATIAL
DYNAMICS

Water Right Claim Number 47-07349
Township , 10S13E

03/26/2001



Legend				
Irrigated Area	—	Section Line	—	Roads
⊙ Place of Diversion	—	Quarter Section Line	—	Streams and Canals



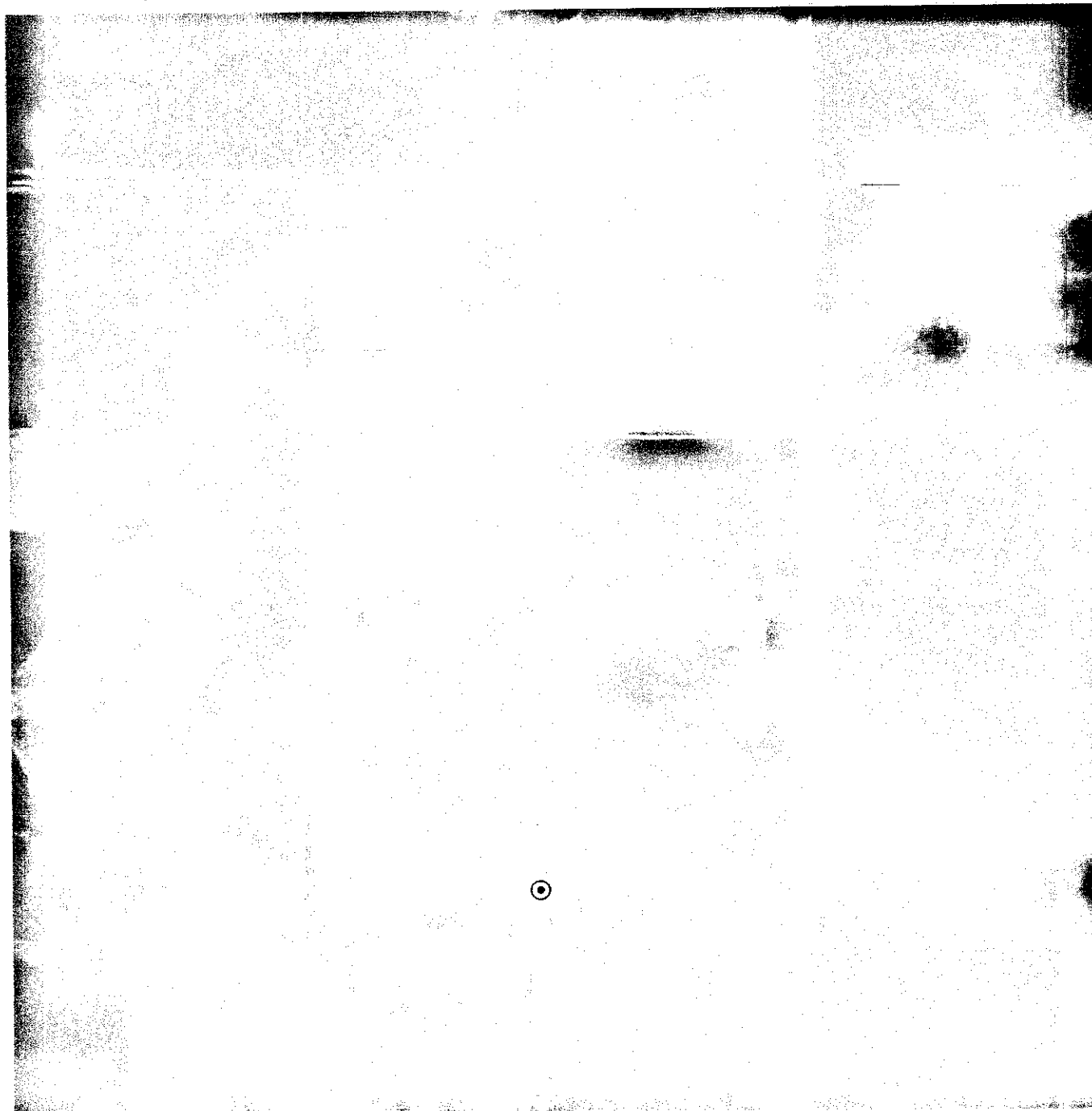
600 0 600 1200 Feet



 SPATIAL
DYNAMICS

Water Right Claim Number 47-07349
Township , 10S13E

03/26/2001



Legend			
Irrigated Area	Section Line	Roads	
Place of Diversion	Quarter Section Line	Streams and Canals	



600 0 600 1200 Feet

A horizontal scale bar with four segments. The first segment is labeled '600', the second '0', the third '600', and the fourth '1200 Feet'. The bar is black with white text and a white background.

 SPATIAL
DYNAMICS

AJ5809NP
No. A47-07349

IDAHO DEPARTMENT OF WATER RESOURCES
ADJUDICATION CLAIM PROFILE REPORT

DATE: 02/12/01
PAGE: 173

OWNER CODE	NAME & ADDRESS	PRIORITY DATE	WATER USE	USE PERIOD FROM TO	DIVERSION RATE	DIVERSION VOLUME
C	WELLS LIVESTOCK INC 782 E 3800 N BUHL ID 833165934 (208) 537-6709	08/30/1976	IRRIGATION	03-15 11-15	4.000 CFS	
TOTAL DIVERSION:					4.000 CFS	

Water Source: GROUNDWATER

Tributary to:

Stage: PERMIT

Point(s) of Diversion:

T10S R13E S14

NWSE

TWIN FALLS 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
10S	13E	14	:	40		40		40		19		:	:	:	:	:	:	:	:	:
TOTAL ACRES																			164.0	

POU County: TWIN FALLS

Other Rights: NONE

Other Water Rights with Same Point(s) of Diversion with Stage (Includes All Sources):
A47-02307

Other Water Rights Listing Overlapping Place(s) of Use:
A47-02307

Conditions of Approval:

- 01B - The right holder shall either install a measuring device or
- provide a certified measurement by a professional engineer or
- install an access port or other device as specified by the
- Department.

Remarks: GEN LAND IN SE/SE SEC. 11 IS IRRIGATED WITH CANAL WATER. STOCK USE
WAS NOT COVERED IN LICENSING EXAM, SO IS NOT COVERED BY THIS
CLAIM. SEE CLAIM 47-11691 FOR STOCK USE. THE ORIGINAL PUMP IS
USED IN THE WELL. A BOOSTER PUMP HAS BEEN ADDED TO MAINTAIN
PRESSURE ON LONG SETS & STEEP AREAS.

ADDRESS CHANGE BY CLAIMANT LETTER, SS 10/01/98.

Dates: Exam Made Date:

Verified Date:

Objection Filed Date:

Misc: Water District Number:

Field Inspection Flag:
Presumption Flag:

Audit: 11/21/88 STANTON 03/30/95 POST-STD 10/01/98 SSHERMAN

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 47-07349

Priority: August 30, 1976

Maximum Diversion Rate:

1.62 CFS

Maximum Diversion Volume:

372.0 AF

This is to certify, that WELLS LIVESTOCK INC

512 N BROADWAY

BUHL ID 83316

has complied with the terms and conditions

of the permit, issued pursuant to Application for Permit dated August 30, 1976; and has submitted Proof of Beneficial Use on September 10, 1985. An examination indicates that the works have a diversion capacity of 1.620 cfs of water from a GROUNDWATER source, and a water right has been established as follows:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE OF DIVERSION</u>	<u>ANNUAL VOLUME</u>
IRRIGATION	04/01 to 10/31	1.62 CFS	372.0 AF

LOCATION OF POINT(S) OF DIVERSION:

NWSE, Sec. 14, Township 10S, Range 13E
TWIN FALLS County

PLACE OF USE: IRRIGATION

<u>TWN</u>	<u>RGE</u>	<u>SEC</u>	<u>ACRES</u>	<u>ACRES</u>	<u>ACRES</u>	<u>TOTAL</u>
10S	13E	14	NWNE 12	SWNE 33	SENE 19	93
			NWSE 29			

Total number of acres irrigated: 93

CONDITIONS/REMARKS:

1. The maximum diversion volume is defined as the maximum allowable volume of water that may be diverted annually from the source under this right. The use of water confirmed by this right is limited to the amount that can actually be beneficially used. The maximum diversion volume may be adjusted to more accurately describe the beneficial use or to implement accepted standards of diversion and use efficiency.
2. This water right is appurtenant to the described place of use.
3. This right is subject to all prior water rights and may be forfeited by five years of non-use.
4. Modifications to or variance from this license must be made within the limits of Section 42-222, Idaho Code, or the applicable Idaho law.
5. This right uses the same well as Right 47-02307 and when combined with Right 47-02307 shall not exceed a diversion rate of 1.62 cfs nor an annual diversion volume of 687.6 af.

This license is issued pursuant to the provisions of Section 42-219, Idaho Code. Witness the seal and signature of the Director, affixed at Boise, this 6th day of SEPTEMBER, 1974.

SEP 09 1994

Acting for R. Keith Higginson, Director

RECEIVED

AUG 30 1971

Department of Water
Southern District

Identification No. _____

Application No. 47-7349

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT

APPROVED

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

1. Name of applicant Wells Livestock, Inc. Phone: _____
post office address 512 N Broadway, Buhl, Idaho
2. Source of water supply Groundwater which is a tributary of _____
3. a. Location of point of diversion is NE 1/4 of NE 1/4 of Section 14 Township 10S
Range 13E B.M. Twin Falls County; additional points of diversion if any: _____
SE 1/4 NE 1/4, Sec. 14, Twp. 10S, Rge. 13E, B.M.
- b. If water is not consumed, it will be discharged into _____ at a point in _____ 1/4
of _____ 1/4 of Section _____ Township _____ Range _____ B.M. _____
4. Water will be used for the following purposes:
Amount 4.0 for irrigation purpose from March 15 to Nov. 15 (both dates inclusive)
(cfs or acre-feet per annum)
Amount .23 for stockwater purpose from Jan. 1 to Dec. 31 (both dates inclusive)
(cfs or acre-feet per annum)
Amount _____ for _____ purpose from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)
5. Total quantity to be appropriated:
a. 4.0 cubic feet per second and/or
b. _____ acre feet per annum.
6. Proposed diverting works:
a. Description of ditches, flumes, pumps, headgates, etc. deep well, pump, motor and sprinkler

b. Height of storage dam _____ feet, active reservoir capacity _____ acre feet; total reservoir capacity _____ acre feet, materials used in storage dam: _____
Period of year during which storage will occur _____ to _____ inclusive.
(Mo. Day) (Mo. Day)
c. Proposed well diameter is 16 inches; proposed depth of well is _____ feet.
7. a. Time required for the completion of the works and application of the water to the proposed beneficial use is 5 years.
b. Estimated construction cost is \$ _____.
8. Description of proposed uses:
a. If water is not for irrigation: SW NE
(1) Give the place of use of water: NW 1/4 of NE 1/4 of Section 14 Township 10S
Range 13E B.M. _____
(2) Amount of power to be generated: _____ hp under _____ feet of head.
(3) List number of each kind of livestock to be watered 1000 range cattle

(4) Name of municipality to be served _____, or number of families to be supplied with domestic water _____
(5) If water is to be used for other purposes describe: _____

RECEIVED

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

TWP.	RANGE	SEC.	NE 1/4				NW 1/4				SW 1/4				SE 1/4				TOTALS
			NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	
10S	13E	14	40	40	40	19										25			164
		11															40		40
		14			X	X (stockwater)													

Total number of acres to be irrigated 204

c. Describe any other water rights used for the same purposes as described above.

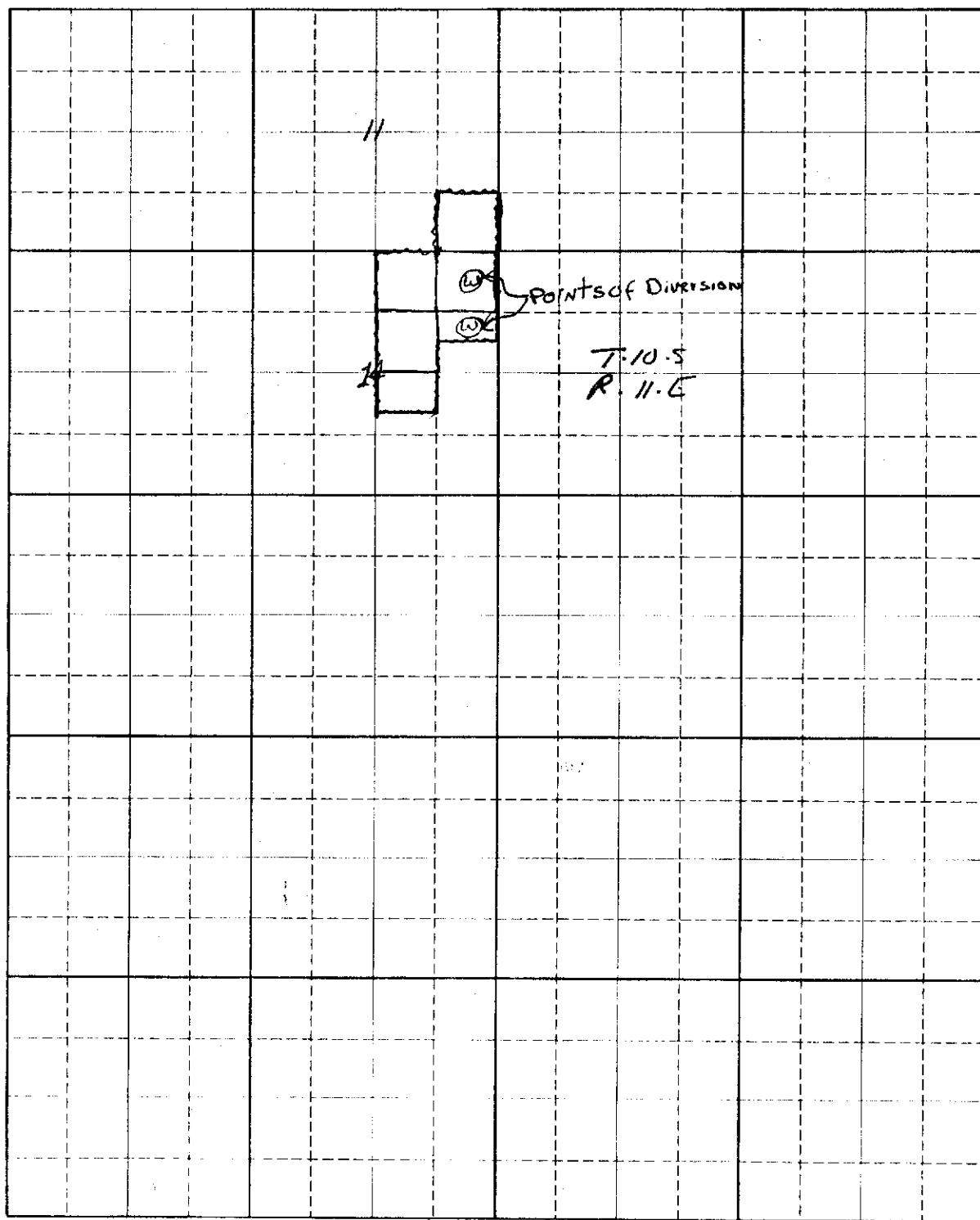
9. a. Who owns the property at the point of diversion Applicant

b. Who owns the land to be irrigated or place of use Applicant

c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing

10. Remarks

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



Scale: 2 inches equal 1 mile

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

Hells Creek, Inc.
(Applicant)
By *Harold E. Miller, Pres.*

Expedited Priority 8-30-76

Received by mls Date 8-30-76 Time 3:00
Preliminary check by JAB Fee \$ 55.00 #2195
Received by PJ Date 8-30-76
Publication prepared by PJ Date 9-7-76
Published in Times News
Publication dates Sept. 16 and 23, 1976
Publication approved AM Date 10-12-76
Priority reduced to Reason

Protests filed by:

Copies of protests forwarded by

Hearing held by Date

Recommended for approval denial by mls BDF

ACTION OF THE DIRECTOR, DEPARTMENT OF WATER RESOURCES

This is to certify that I have examined Application for Permit to appropriate the public waters of the State of Idaho No. 47-7349, and said application is hereby APPROVED.

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

- a. SUBJECT TO ALL PRIOR WATER RIGHTS.
- b. Proof of construction of works and application of water to beneficial use shall be submitted on or before October 1, 19 81.
- c. Other: A measuring device of a type approved by the Director shall be permanently installed and maintained as part of the diverting works.

2. Denial of said application is for the following reasons:

Witness my hand this 25 day of October, 19 76.

R. Keith Higgins
Director

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES **APPROVED**

APPLICATION FOR AMENDMENT OF A PERMIT

To change the point of diversion and/or the place of use.

Comes now Wells Livestock Inc.of (address) 512 North Broadway, Buhl, ID 83318, and represents to the
Director of the Idaho Department of Water Resources:That he is the owner and holder of Permit to appropriate the Public Waters of the State of Idaho
No. 47-7349, and requests that the permit and permit map be changed as follows:

1. Point of diversion: NW ¼ SE ¼, Section 14, Township 10S, Range 13E, B.M.,
County of Twin Falls. Other points of diversion: _____
NE ¼ NE ¼ Sec. 14 T. 10S R. 13E

2. Period and nature of use: (irrigation, domestic, stockwatering, industrial, etc.) No Change

Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre feet per annum)Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre feet per annum)Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre feet per annum)Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre feet per annum)

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

TWP	RGE	SEC	NE¼				NW¼				SW¼				SE¼				TOTALS
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	

Total number of acres to be irrigated = _____

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

MICROFILMED

Show 40-acre subdivisions, townships, ranges and ditches.



Signed at Tom Falls, this 18 day of April, 1983

(Signature)

Preliminary check by ADM Fee = \$20.00

Received by OK Date 4-18-88 #27235

Publication prepared by maclach Date 9/3/83

Published in Times, April 1

Publication dates 6/7/16 6/16/83

I, L. GLEN SAXTON, Chief Operations Bureau, of the Department of Water Resources hereby

approve the above Application for amendment for Permit No. 47-7349.

Witness my hand this 8 day of August, 19 83

19 83
L. Glen Saxton
L. GLEN SAXTON, CHIEF OPERATIONS BUREAU

RECEIVED
OCT 16 1987

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

Department of Water Resources

A. GENERAL INFORMATION

Permit No. 47-7349

1. Owner: Wells Livestock, Inc. Phone No. 543-4618

Current Address: 512 North Broadway, Buhl Idaho 83316

2. Accompanied by: Robin Wells EXAM. DATE: Aug 23 1987

Address: Rt. 2 Filer Idaho Phone No. 733-7352

Relationship to Permit Holder: nephew of President of Corp.

3. Source: Groundwater tributary to —

B. OVERLAP REVIEW

1. Other water rights with same place of use: _____ ☐ Copies Attached

2. Other water rights with same point of diversion: G-26949 / 47-2307
_____ ☒ Copies Attached ☐ Copies of Field Exam's Attached

C. SYSTEM DESCRIPTION

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

Scale: 1" = _____

2. ☒ Copy of U.S.G.S. Quadrangle Attached
Showing location(s) of point(s) of diversion and
place(s) of use (required).

☒ Photo of Diversion and System Attached

(required for all but single household domestic groundwater, and stockwater.

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

System Description (continued)

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

The well pump and booster pump were supplying irrigation water to various handlines prior to the measurement. At this time the system flow was estimated to be 710gpm based on a sampling of nozzle size and pressure. The system was then shut down to allow insertion of the Collins tube and then the system was restarted with the pivot (1300') operating instead of the handlines. During the measurement system maintained a pressure of 60 psi. Due to access problems the depth to water in the well was not measured.

See Remarks on page 4 for continuation

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
PD#1 Well	Westinghouse	75	—	LAYNE & Bowler	#21814
PD#1 Booster	GE	40	—	—	6"

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

5. Point(s) of Diversion:

Ident. No.	Gov't. Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
1		SE	NW	SE	14	10S	13E	TWIN FALLS	Topographic Map & Field

6. Place(s) of Use:

Indicate Method of Determination *Field measurement & Map.*

Twp.	Rge.	Sec.	NE 1/4				NW 1/4				SW 1/4				SE 1/4				Totals
			NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	
~~10S~~	~~13E~~	~~14~~																	
10S	13E	14		12	33	19									29				93

Do not use this space

D. FLOW MEASUREMENTS

☐ Additional Data Sheets Attached

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Collins Impact Tube	-	Collins	-	-	24"	

2. Measurements:

See attachments.

E. FLOW CALCULATIONS

☒ Additional Computation Sheets Attached

1. Measured Method: $\bar{V} = 3.60 \text{ fps}$ $A = 0.394 \text{ ft}^2$ $Q = 1.54 \text{ cfs}$

2. Alternate Method for Checking Purposes:

Certificate of Completion of work for G-26949 14
Sprinkler nozzle samples 710 gpm = 1.58 cfs

F. PUMP EFFICIENCY DATA (Optional)

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

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

Water HP: (3) x (4) ÷ 8.8 = _____ (5)

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

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

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

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

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: Ave Q from Allen & Brockway, 93 861 mm = 2.82' AEff @ 70%
 $IR \approx 4.0'$ $93 \times 4.0 = 372 \text{ af}$

$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$

$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = 1.54 \times 246 \times 1.9835 = 751$

$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = 372$

2. Volume Calculations for Other Uses:

$V_{IR} \text{ of } G-26949/47-2307 = 1012 \times 40f = 404 \text{ af.}$

H. REMARKS AND OVERLAP REVIEW ANALYSIS

Note: The point of diversion for this permit is the same at point and equipment: well, pump, booster as that for license G-26949 as modified by transfer application 47-2307(2027) as approved by IDWR on 12-29-76. This permit (47-7349) covers 93 additional acres not covered by the previous ~~permit~~ license.

Rate of Diversion: Because the flow measurement made is within 49% of the license rate and my measurement was made in the fall I recommend a rate of diversion of 1.62 cfs be allowed. Furthermore I recommend a annual volume of 372 af for this permit and when combined with the previous license and diversion rate of 1.62 cfs and a annual volume of 751 af.

I. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
* Irrigation	3/15	11/15	1.62	372
Totals:			1.62	372

* 2. Recommended Amendments

☒ Change P.D. as reflected above

☐ Add P.D. as reflected above

☐ None

☒ Change P.U. as reflected above

☐ Add P.U. as reflected above

☐ Other

J. AUTHENTICATION

Field Examiner's Name

Clarence Wm Robison

Signature

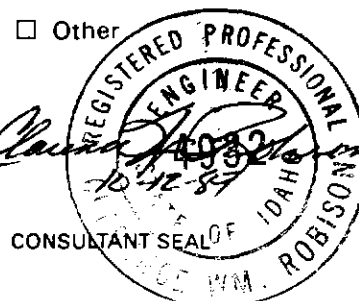
Clarence Wm Robison

Certification Date

4-7-87

Field Report Preparation Date

Oct 12, 1987



K. Licensing recommendation shall be prepared by an Idaho Department of Water Resources employee on a computer printout attached hereto.

* See attached memo. RC

MEMORANDUM

TO: File 47-07349 / Wells Livestock, Inc.
FROM: Brenda Chapman
DATE: August 9, 1994
RE: Adjustments Made

=====

* The final recommendations for the following portion(s) of the field exam were based on the information below.

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use	Rate of Div	Annual Vol
Irrigation	4-01 to 10-31	1.62	372.0

The irrigation season was changed to the current standards used.

2. Recommended Amendments

☐ Change P.D. ☐ Add P.D.
☐ Change P.U. ☐ Add P.U. ☐ Other

The exam coincides with the permit - no amendments are necessary.

SEP 09 1994

COLLINS FLOW MEASUREMENT DATA SHEET:

DATE: 8 / 23 / 87 TIME: ——— OBSERVER: Robert F. Wells

SYSTEM NAME: Wells Livestock Irrig Pump.

OWNER: Wells Livestock Inc (Walter Wells)

ADDRESS: 512 North Broadway TELEPHONE: 543-4618

Buhl, Idaho

OPERATOR: SAME

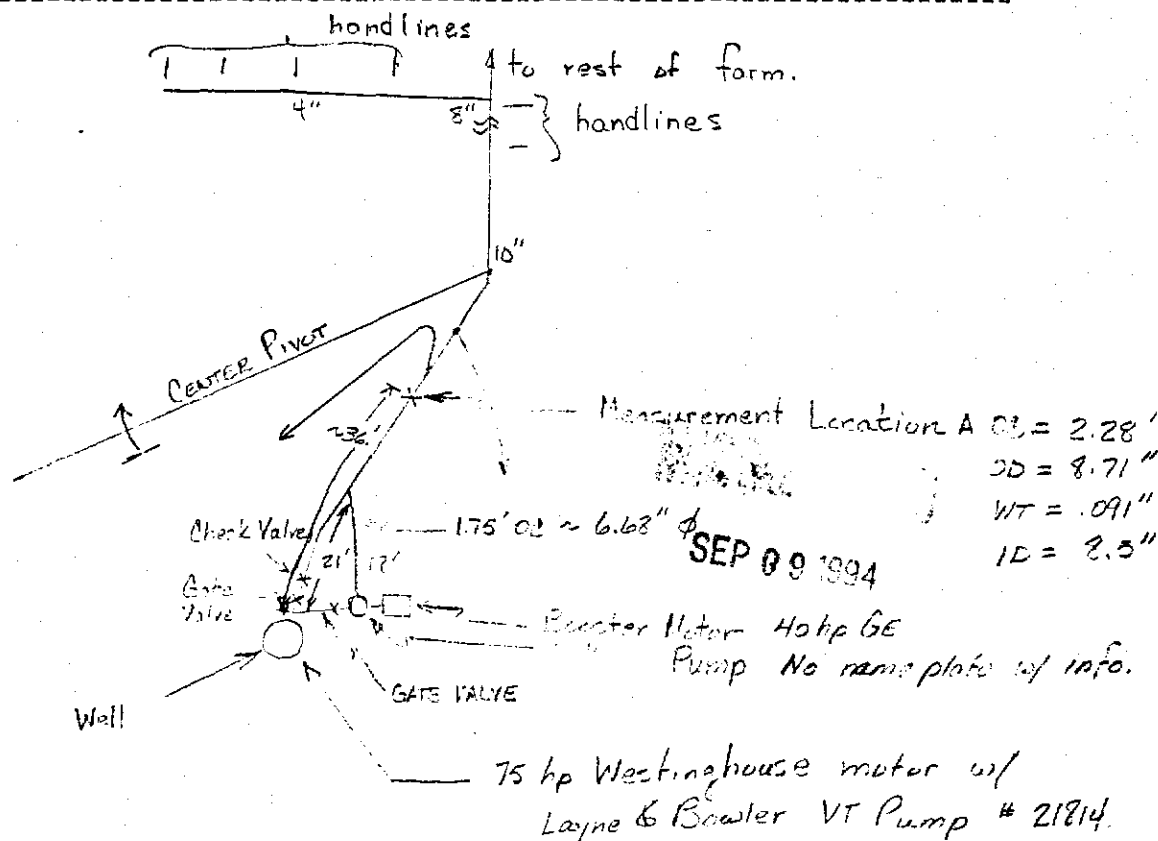
ADDRESS: _____ TELEPHONE: _____

SYSTEM SKETCH:

	154	Birds.	
	SIZE	Feet	gpm
1	9/64	60	4.10
2	5/32	58	5.5
3	4.2 Fc		4.3
4	9/64	57	4.5
5	5/32	60	5.10
6	9/64	58	4.5
7	1/2	58	3.6
8	9/64	60	4.10
9	5/32	57	5.5
10	9/64	57	4.5

say 4.6 gpr

Q ~ 710 apr
~ 159 42



PIPE FLOW MEASUREMENT: Pipe diameter 8.5 inches; radius 4.25 inches
 Pipe A Time --- Depth to Water N.A. ft; Discharge Pres. 60 psi

Setting Method	Reference Distance	Forward Vel.	Backward Vel.	Mean Velocity
* Two Point Method				
.949R	---	---	---	---
.837R	---	---	---	---
(1) .707R*	<u>2.93 (5.7)</u>	<u>3.90</u>	<u>(5.8) 3.95</u>	<u>3.92</u>
.547R	---	---	---	---
.316R	---	---	---	---
Center Line	<u>5.93</u>	---	---	---
.316R	---	---	---	---
.547R	---	---	---	---
.707R*	<u>8.93 (5.7)</u>	<u>3.90</u>	<u>(5.5) 3.85</u>	<u>3.88</u>
.837R	---	---	---	---
.949R	---	---	---	---
Mean		<u>3.90</u>	<u>3.90</u>	<u>3.90</u>

Flow = mean velocity * pipe area * correction
 Flow = 3.90 ft/s * 0.394 sqft * (1+ ---) = 1.54 cfs

PIPE FLOW MEASUREMENT: Pipe diameter --- inches; radius --- inches
 Pipe --- Time --- Depth to Water --- ft; Discharge Pres. --- psi

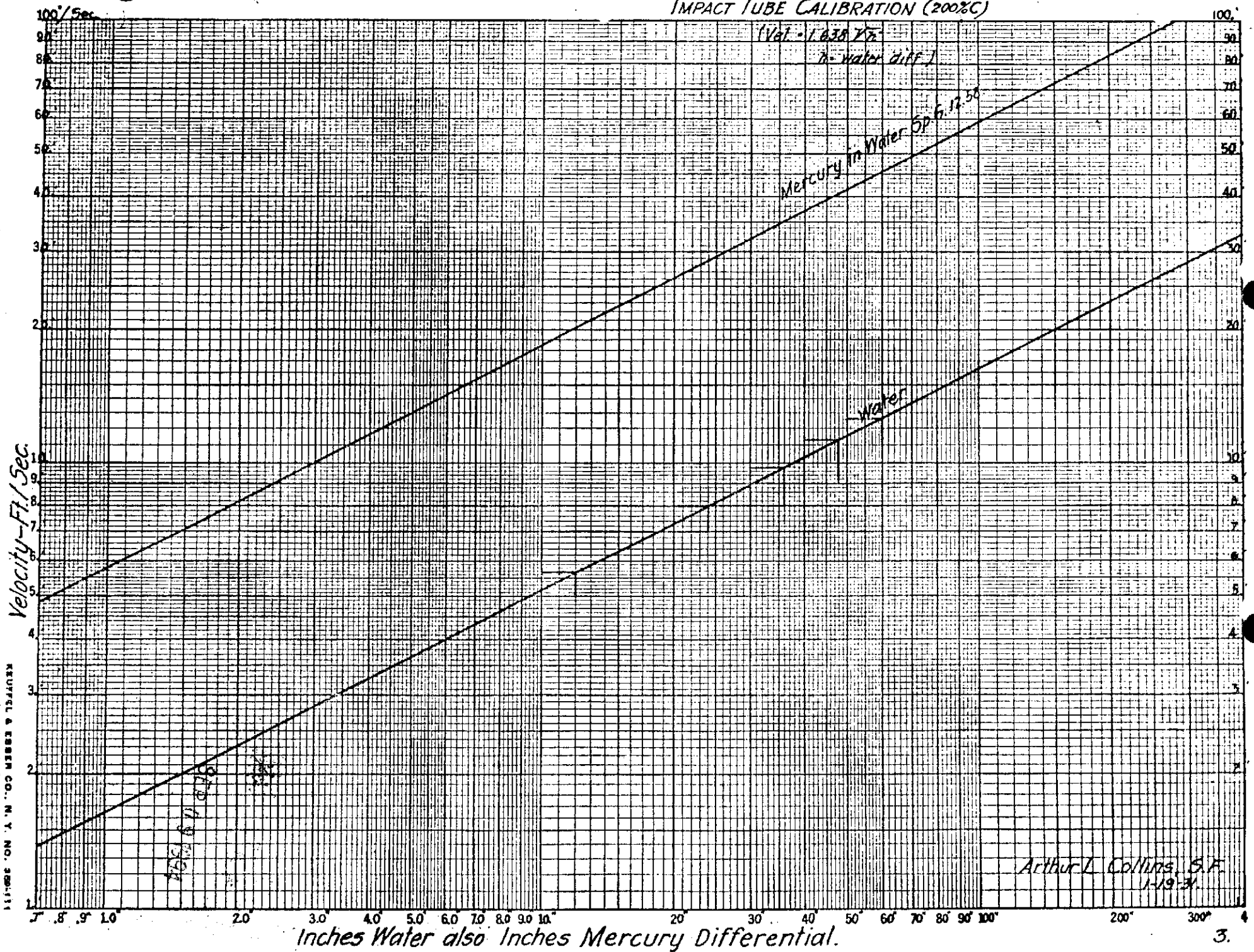
N.A.

Setting Method	Reference Distance	Forward Vel.	Backward Vel.	Mean Velocity
* Two Point Method				
.949R	---	---	---	---
.837R	---	---	---	---
.707R*	---	---	---	---
.547R	---	---	---	---
.316R	---	---	---	---
Center Line	---	---	---	---
.316R	---	---	---	---
.547R	---	---	---	---
.707R*	---	---	---	---
.837R	---	---	---	---
.949R	---	---	---	---
Mean		---	---	---

Flow = mean velocity * pipe area * correction
 Flow = --- ft/s * --- sqft * (1+ ---) = --- cfs

SEP 09 1994

COLLINS
IMPACT TUBE CALIBRATION (200°C)

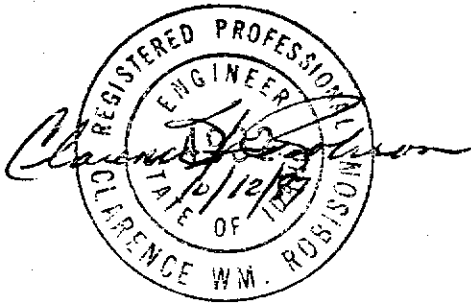
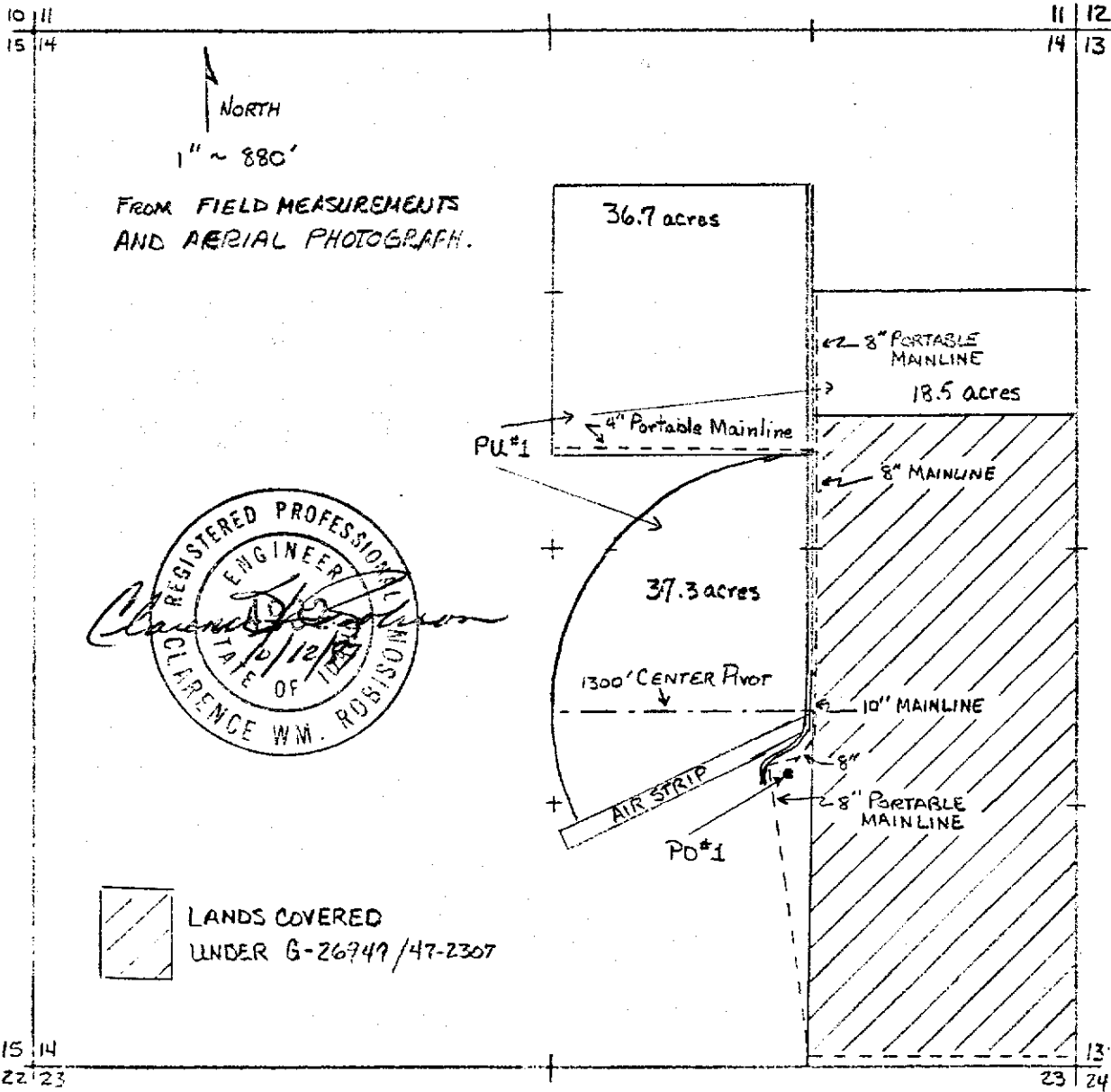


Example of Appendix E (on file with the Idaho Department of Water Resources) for Twin Falls WSO

Est. CU and CIR.		Twin Falls WSO		(Allen & Brockway, 1983) mm/day and mm/season															
	MO	NYRS	PREC	ETR	ALFH.	ALFS.	BEANS	F.CRN	SILGE	S.CRN	PEAS	POTAT	SBEET	SGRAN	WGRAN	PAST.	ORCHD	VEGES	ONION
AVE ET	3	16	.99	1.95												.89			
AVE IR	3	16	100.00													.41			
STDD ET	3	16	.66	.35												.16			
STDD IR	3	16	100.00													.28			
SKWE ET	3	16	.34	.15												.15			
SKWE IR	3	16	100.00													-.76			
AVE ET	4	16	.93	4.18	2.60	2.95						1.26	1.25	1.25	1.28	3.82	2.61	1.71	1.25
AVE IR	4	16	100.00		2.05	2.38						.82	.88	.76	.85	3.27	2.08	1.21	.88
STDD ET	4	16	.66	.43	.27	.30						.13	.13	.13	.13	.40	.27	.18	.13
STDD IR	4	16	100.00		.34	.58						.39	.34	.42	.38	.64	.53	.45	.34
SKWE ET	4	16	.64	-.04	-.04	-.04						-.04	-.04	-.04	-.04	-.04	-.04	-.04	-.04
SKWE IR	4	16	100.00		.04	.05						-.08	-.04	-.10	-.07	.08	.04	-.03	-.04
AVE ET	5	17	.96	6.23	5.78	5.61	1.87	1.87	1.87	1.87	3.54	2.01	1.88	4.39	6.23	4.80	3.67	1.90	2.48
AVE IR	5	17	100.00		5.10	4.94	1.42	1.36	1.36	1.36	3.02	1.62	1.36	3.85	5.58	4.19	3.10	1.51	2.07
STDD ET	5	17	.71	.42	.39	.37	.12	.12	.12	.12	.24	.13	.13	.29	.42	.32	.24	.13	.17
STDD IR	5	17	100.00		.81	.80	.43	.47	.47	.47	.57	.40	.48	.63	.82	.71	.61	.39	.43
SKWE ET	5	17	1.18	-.05	-.05	-.05	-.05	-.05	-.05	-.05	-.06	-.05	-.05	-.05	-.05	-.05	-.05	-.05	-.06
SKWE IR	5	17	100.00		-.54	-.55	-.73	-.75	-.75	-.75	-.62	-.69	-.75	-.56	-.51	-.57	-.63	-.70	-.65
AVE ET	6	17	1.00	7.49	6.55	6.51	3.28	3.26	3.26	3.26	6.08	5.14	3.71	7.46	7.49	5.77	6.03	3.92	4.45
AVE IR	6	17	100.00		5.78	5.74	2.74	2.67	2.67	2.67	5.42	4.62	3.08	6.76	6.73	5.07	5.32	3.44	3.96
STDD ET	6	17	.73	.36	.32	.32	.16	.16	.16	.16	.30	.25	.18	.36	.36	.29	.29	.19	.22
STDD IR	6	17	100.00		.75	.76	.49	.53	.53	.53	.67	.54	.57	.75	.79	.68	.71	.47	.50
SKWE ET	6	17	.72	.64	.65	.63	.64	.64	.64	.64	.63	.64	.63	.64	.64	.63	.63	.64	.65
SKWE IR	6	17	100.00		-.54	-.54	-.61	-.62	-.62	-.62	-.53	-.61	-.61	-.48	-.50	-.55	-.55	-.57	-.54
AVE ET	7	17	.36	8.10	6.62	5.42	7.31	7.29	7.29	7.20	2.84	6.81	7.85	6.99	6.46	6.24	6.89	6.24	6.07
AVE IR	7	17	88.24		6.40	5.22	7.11	7.07	7.07	6.98	2.69	6.64	7.62	6.79	6.25	6.04	6.67	6.08	5.92
STDD ET	7	17	.36	.24	.20	.16	.22	.22	.22	.21	.08	.20	.23	.21	.19	.19	.20	.19	.18
STDD IR	7	17	88.24		.35	.31	.34	.36	.36	.36	.22	.30	.38	.33	.33	.33	.35	.28	.27
SKWE ET	7	17	1.72	.60	.58	.56	.59	.58	.58	.60	.60	.53	.60	.56	.57	.50	.56	.58	.58
SKWE IR	7	17	88.24		-1.38	-1.52	-1.10	-1.27	-1.27	-1.23	-1.81	-.93	-1.21	-1.13	-1.31	-1.37	-1.30	-.99	-1.03
AVE ET	8	17	.62	6.82	5.17	2.93	3.96	6.29	6.29	5.99		5.29	6.67	1.52	1.25	5.25	5.80	5.42	5.46
AVE IR	8	17	94.12		4.79	2.61	3.66	5.90	5.30	5.61		5.01	6.27	1.26	.98	4.89	5.42	5.14	5.17
STDD ET	8	17	.90	.36	.28	.16	.21	.34	.34	.32		.28	.36	.08	.07	.28	.31	.29	.29
STDD IR	8	17	94.12		.77	.61	.61	.83	.83	.81		.64	.88	.45	.47	.76	.80	.65	.65
SKWE ET	8	17	2.07	.04	.04	.04	.04	.04	.04	.04		.05	.04	.05	.05	.04	.03	.04	.04
SKWE IR	8	17	94.12		-1.71	-1.86	-1.73	-1.62	-1.62	-1.64		-1.55	-1.61	-1.94	-1.96	-1.68	-1.65	-1.53	-1.53
AVE ET	9	17	.68	5.21	3.52	1.48		3.90	3.90			3.05	4.47			4.01	4.37	3.55	4.14
AVE IR	9	17	94.12		3.11	1.13		3.50	3.50			2.76	4.05			3.61	3.96	3.25	3.83
STDD ET	9	17	.58	.47	.32	.13		.35	.35			.28	.41			.36	.40	.32	.38
STDD IR	9	17	94.12		.56	.39		.59	.59			.44	.64			.60	.63	.49	.54
SKWE ET	9	17	1.73	.12	.11	.11		.11	.11			.11	.12			.11	.11	.11	.11
SKWE IR	9	17	94.12		-.36	-.81		-.29	-.29			-.25	-.24			-.28	-.24	-.19	-.13
AVE ET	10	17	.71	3.34	1.20	.44		.93					2.15			2.57	2.20		
AVE IR	10	17	94.12		.85	.11		.60					1.79			2.20	1.85		
STDD ET	10	17	.64	.34	.12	.05		.09					.22			.26	.23		
STDD IR	10	17	94.12		.38	.34		.35					.45			.48	.45		
SKWE ET	10	17	1.78	.12	.12	.12		.13					.12			.12	.13		
SKWE IR	10	17	94.12		-.87	-1.30		-1.00					-.39			-.23	-.35		
CU → AVE ET	SE	16	152.3	1324.	961.	775.	507.	722.	693.	566.	419.	721.	857.	663.	800.	955.	937.	645.	730.
AVE IR	SE	16	0.0	0.	861.	679.	463.	649.	632.	516.	366.	661.	766.	601.	713.	860.	844.	597.	670.
STDD ET	SE	16	48.4	32.	24.	20.	11.	19.	20.	13.	11.	17.	20.	14.	20.	23.	22.	18.	20.
STDD IR	SE	16	0.0	0.	56.	52.	25.	39.	40.	31.	35.	37.	47.	37.	50.	53.	51.	33.	39.
SKWE ET	SE	16	-1.10	.19	.25	.29	-.26	.70	.54	-.03	.29	.72	.72	-.25	-.07	.27	.43	.43	.46
SKWE IR	SE	16			.75	.67	.27	.72	.50	-.02	.14	.74	.74	.76	.49	.65	.75	.57	.73

SEP 09 1994

T10S. - R13E SEC 14



SEP 09 1994

11/12
14-13

4
38.4

248

20 185

3
13.5

2
21.8

12.5

2
37.1

38.7

3
42.7

46.0

6.0

3
13.1

106

115. 2

SEP 03 1994

SOIL and CAPABILITY MAP

Prepared by UNITED STATES DEPARTMENT of AGRICULTURE • SOIL CONSERVATION SERVICE

cooperating with

Edw. Rock

Livestock Inc

SCALE 8 1/4" = 1 MILE ACRES 1120

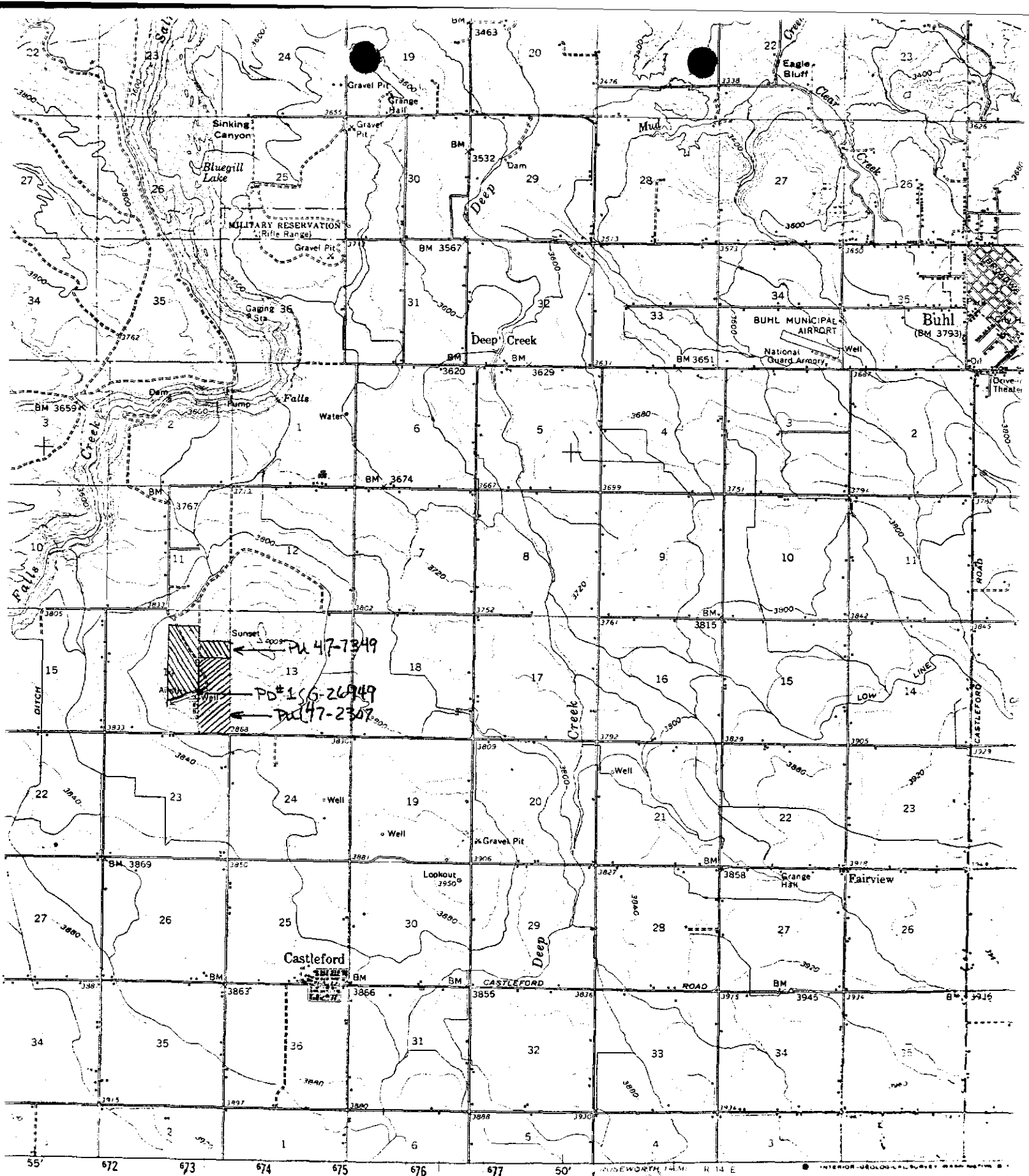
Idaho Falls, Idaho

PHOTO NO. 98-17-1576-677-24

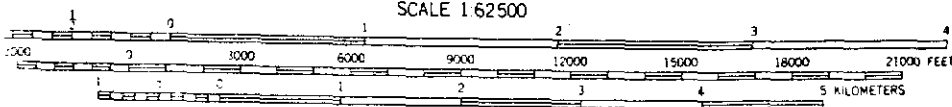


SEP 6 9 1954

1120 1576-677-24



SCALE 1:62500



CONTOUR INTERVAL 40 FEET
 DOTTED LINES REPRESENT 20-FOOT CONTOURS
 DATUM IS MEAN SEA LEVEL

THIS MAP CONFORMS WITH NATIONAL MAP ACCURACY STANDARDS

SEP 30 1994



QUADRANGLE LOCATION

ROAD CLASSIFICATION

Medium duty ——— Light duty
 Unimproved dirt - - - - -

U S Route

The east half of this area also
 1:24,000 scale map of Idaho
 and Buhl 1958 7.5 minute qu

BUH