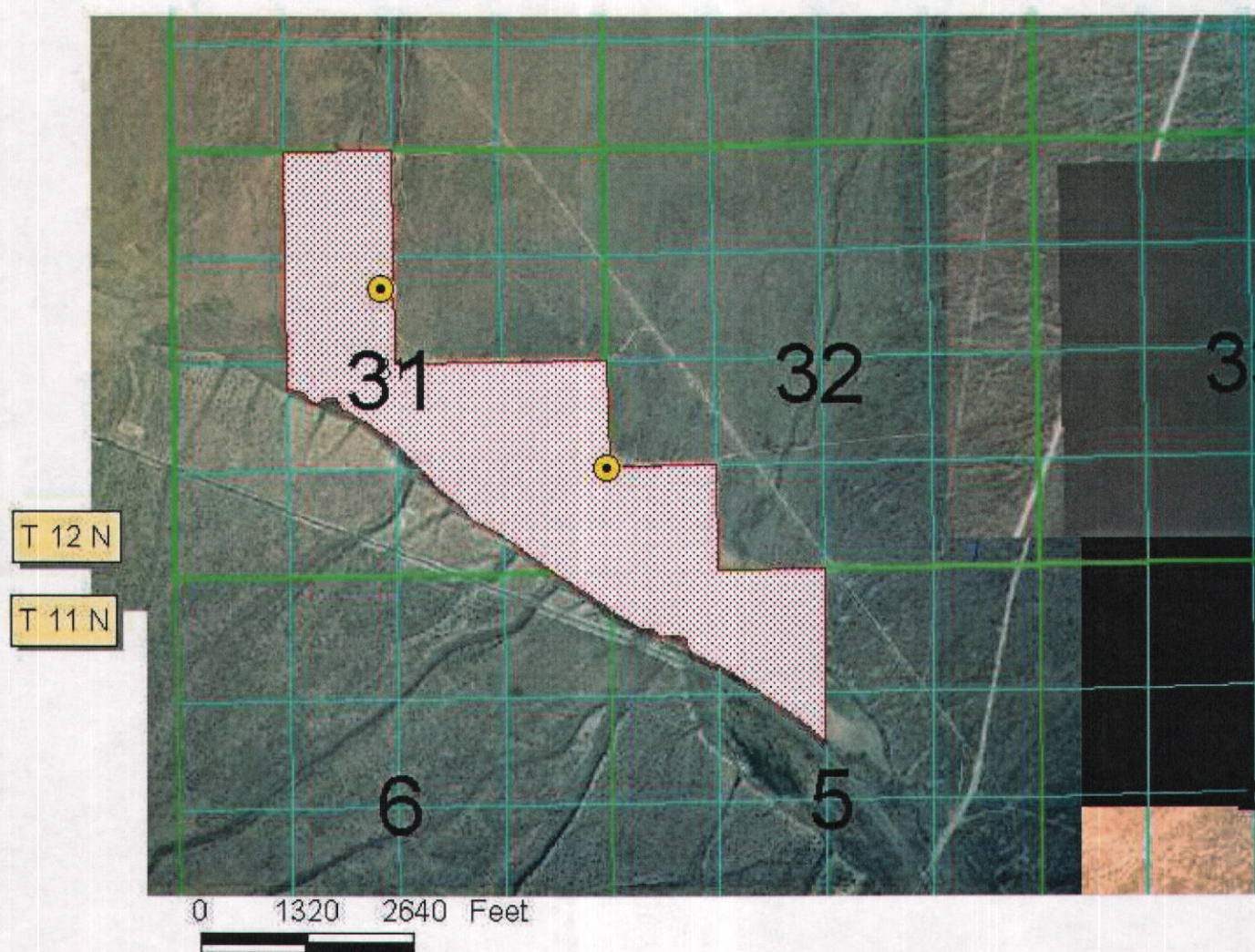


IDAHO DEPARTMENT OF WATER RESOURCES

32-07253

Overlap of 32-07116



Point of Diversion



1/4 1/4 Section Lines



Section Lines



Place of Use Boundary

Township 11N and 12N
Range 29E



GIS Place of Use Illustration
1987/1988 NAPP Photography
Prepared by: Bryce A. Contor
Date: November, 1999

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DEC 08 1999

(WATER RIGHT NUMBERS THAT BEGIN WITH AN '*' ARE ADJUDICATION CLAIMS)
(QUARTER-QUARTERS WITH A '?' HAVE DIFFERENT ACREAGE AMOUNTS--CHECK THE DATA BASE RECORDS)

WR-NUMBER	SOURCE	NE				NW				SW				SE				SUM
		NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
		Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	Lt Ac	
P3207253	T11N R29E S 5 GROUNDWATER																	
	:					03-43	04-29		05									77
3200098	WILLOW CRE :					03-46	04-46		40									132
3207116	GROUNDWATE :					03-43	04-29		05									77
*3207116	GROUNDWATE :					03-44	04-25		05									74
A3207116	GROUNDWATE :					03-43	04-29		05									77
3207253	GROUNDWATE :					03-43	04-29		05									77
*3210358	WILLOW CRE :					03-14	04-25		24									63
A3210358	WILLOW CRE :					03-43	04-29		29									101
--86 MAP--	C59Q-U 84 :							05	30									35
NO QTRS	MAPPING	Lot03-40 Lot04-31																
P3207253	T11N R29E S 6 GROUNDWATER																	
	:					01-03												3
3200099	WILLOW CRE : 01-46																	46
3207116	GROUNDWATE : 01-03																	3
*3207116	GROUNDWATE : 01-03																	3
A3207116	GROUNDWATE : 01-03																	3
3207253	GROUNDWATE : 01-03																	3
*3210358	WILLOW CRE : 01-03																	3
A3210358	WILLOW CRE : 01-03																	3
--86 MAP--	C59Q-U 84 :																	
NO QTRS	MAPPING	Lot01-08																
P3207253	T12N R29E S31 GROUNDWATER																	
	:					01-38								40	39	13	36	228
3200097	WILLOW CRE :																	
3200098	WILLOW CRE :													40	40	40	40	160
3200099	WILLOW CRE :					40		40		40								120
3207116	GROUNDWATE :					38		39		22				40	39	13	37	228
*3207116	GROUNDWATE :					40		40		18				40	39	11	36	224
A3207116	GROUNDWATE :					38		39		22				40	39	13	37	228
3207253	GROUNDWATE :					38		39		22				40	39	13	37	228
*3210358	WILLOW CRE :					09		27		18				07	30	11	35	137
A3210358	WILLOW CRE :					38		39		22				40	39	13	37	228
--86 MAP--	C59Q-U 84 :							06	05	38				39	39	20	39	248
NO QTRS	MAPPING	Lot01-09 Lot02-08 Lot03-02																
P3207253	T12N R29E S32 GROUNDWATER																	
	:													40				40
3200098	WILLOW CRE :													40				40
3207116	GROUNDWATE :													40	02			42

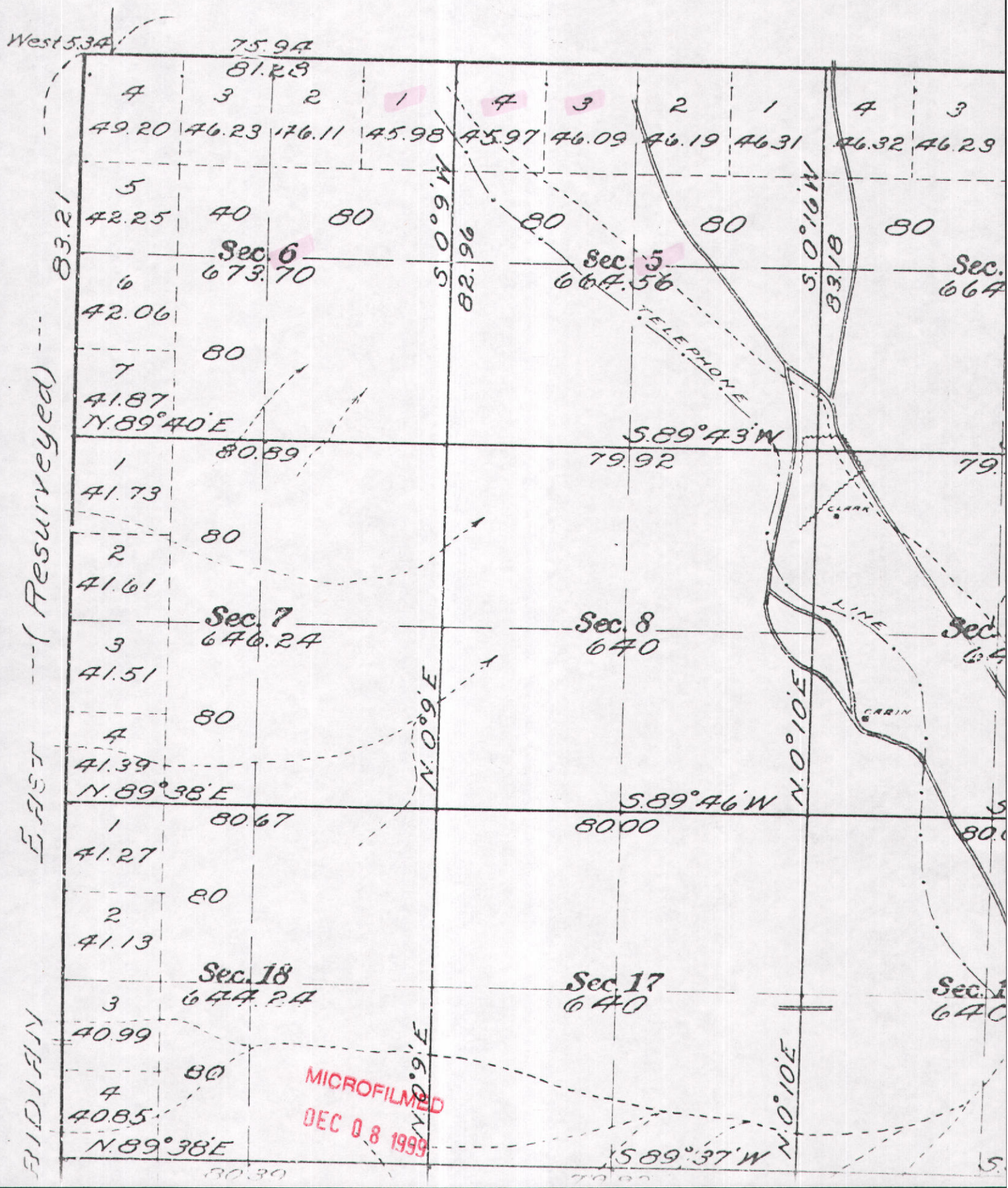
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(WATER RIGHT NUMBERS THAT BEGIN WITH AN '*' ARE ADJUDICATION CLAIMS)
(QUARTER-QUARTERS WITH A '?' HAVE DIFFERENT ACREAGE AMOUNTS--CHECK THE DATA BASE RECORDS)

WR-NUMBER	SOURCE	NE								NW								SW								SE								SUM																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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MICROFILMED
DEC 08 1999

G *f* *F* *e* *E*



Department of Water Resources

Permit No. 32-7116

Phone No. 657-2252

1. Owner: LaVar Newmgar Phone No. 657-2252
Current Address: HC 63 Box 2140 Montevideo Ia
2. Accompanied by: LaVar Newmgar EXAM. DATE: 11 July 1984
Address: _____ Phone No. _____
Relationship to Permit Holder: _____
3. Source: Groundwater tributary to _____

Well/Diversion* No.	Motor Make	HP	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
	GE	150	ESJ507137	Johuster	10"

*Code with points of diversion, system diagram & photos on reverse side. Disregard if only one.

5. System Description (As operating at time of measurement. Indicate pressure, number of sprinklers, etc.)
well, Pump mainline to hand lines with sprinklers

Approx 13 - 1/4 mile line

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Flow Meter Station	Annubar	Dover	7517-316-SS	191147	10.02"	
Manometer						

7. Measurements $36.9 - 8.4 = 28.5$ ☐ Additional data/computation sheets attached

Pumping 61'3"
Level

1953.6 gpm

$$11\frac{7}{8} - 2\frac{1}{8} = 9\frac{6}{8} \text{ dia pipe}$$

54 psi

8. Point(s) of Diversion: Indicate Method of Determination ASCS AERIAL PHOTO

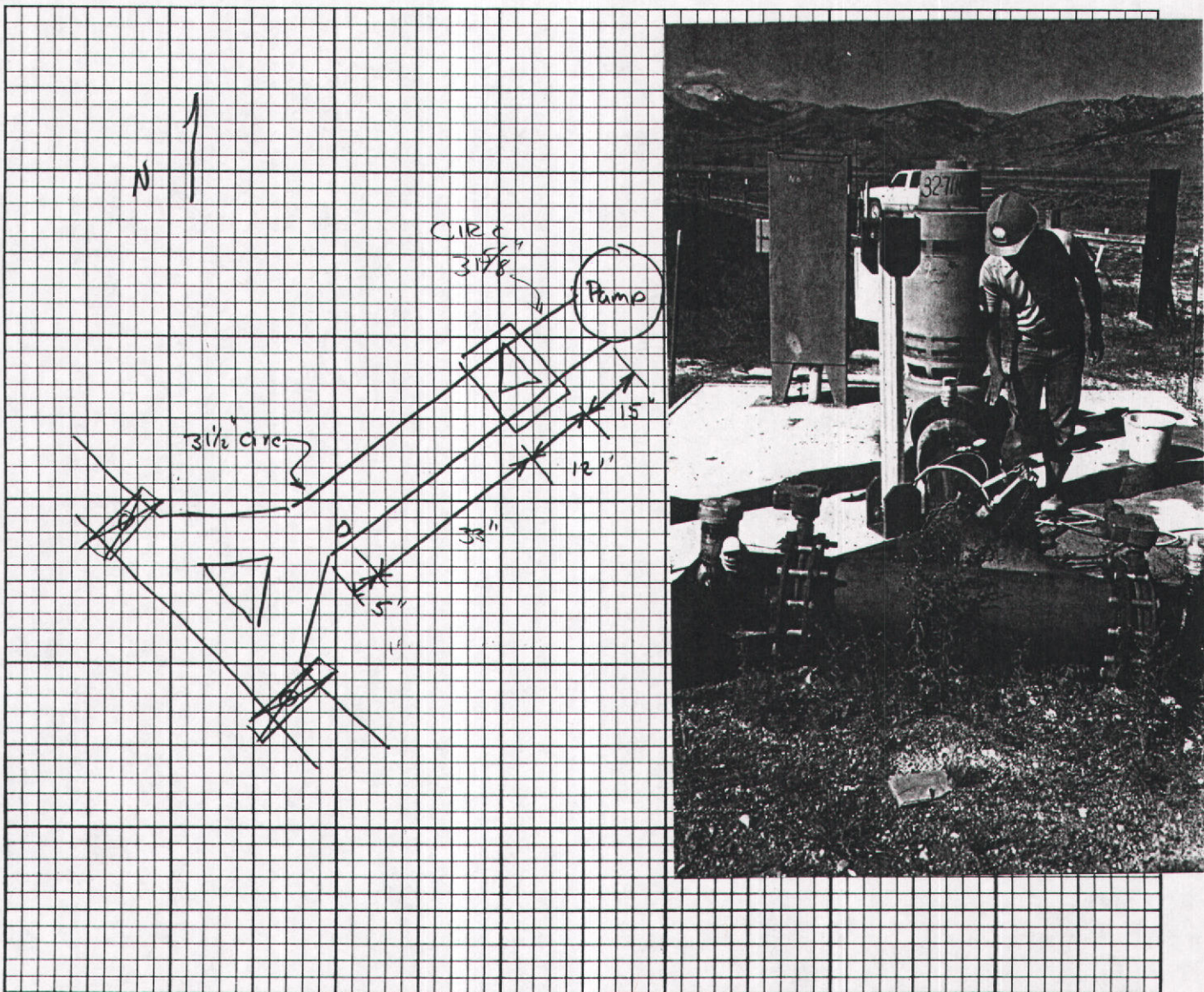
[illegible]

- | | | |
|----|------------------|--|
| 9. | Place(s) of Use: | Irrigation - give acres served by system at time of exam.
Indicate Method of Determination <i>ASLS AERIAL PHOTO</i> |
|----|------------------|--|

[illegible]

Total Acres 350

10. Other water rights on these lands 32-0099 ; 32-0098
11. Other water right diverted from same p.d. N/A
12. **Diversion and Delivery System Diagram:** Indicate all major components and distances between components. Indicate ditch size/pipe i.d. as applicable. Indicate on systems with measurement port the distance between the port and the nearest component/pipe bend/restriction both upstream and downstream, and the inside pipe diameter at the measurement port. On multiple diversion systems indicate how diversion systems are connected.



13. ☒ Photo of Diversion & System Attached

☒ Aerial Photo of Place of Use Attached or Map of Irrigated Acreage Attached

14. Remarks _____

15. Recommended Amendments

- ☐ Change P.D. as reflected above
- ☐ Change P.U. as reflected above

- ☐ Add P.D. as reflected above
- ☒ Add P.U. as reflected above

- ☐ None
- ☐ Other

16. Examiner's/Consultant's Signature Keith C Wilson Date 11 July 1984

Consultant's License Number _____

IDWR Director's Authorization to Conduct

Beneficial Use Examination _____

Date

CONSULTANT SEAL

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DEC 08 1999

RECOMMENDED AMOUNTS

Permit No.	Priority	Amount	App. Date	Date Proof Submitted	System Capacity
32-7116					4.35

4. Permit Holder: _____

Address: _____

5. Source: Groundwater tributary to _____

6. Beneficial Use	Period of Use		Rate of Diversion	Annual Volume
	From	To	Q (cfs)	V (afa)
<u>IRRIGATION</u>	<u>4/1</u>	<u>11/1</u>	<u>3.00 cfs</u>	<u>1050 afa</u>

Allowable Maximums: 3.00 cfs 1050 afa

7. Point(s) of Diversion:

[illegible]

8. Place(s) of Use NO CHANGE

[illegible]

9. Recommended Conditions/Remarks: R 29

DECLASSIFIED

MAR 21 1990

10. 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

11. Examiner's Signature Keith C. Wilson Date 10 Mar 1986

Checked in Regional Office by MICRO [Signature] Date 12/1/88

Approved in State Office by _____ Date _____

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STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
LICENSING REPORT

RECEIVED

MAR 12 1986

32-7116
Permit No.

1. Measurement Calculations

Department of Water Resources

a) Field Measurement Calculations (Include theoretical capacities and system capacity)

$$Q = 3.85 (i.d.)^2 \sqrt{V} (K)$$

$$i.d. = 9.75"$$

$$V = 28.5$$

$$K = 1.0 \text{ for manometer}$$

$$Q = 3.85 (9.75)^2 \sqrt{28.5} = 1953.8 \text{ gpm} = 4.35 \text{ cfs}$$

$$0.02 \text{ cfs/ae} \times 350 \text{ ae} = 7.0 \text{ cfs}$$

However, permit limited to 3.00 cfs

b) Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 350 \times 3.0 = 1,050$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = 3.0 \times 214 \times 1.9835 = 1273.4$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 1050 \text{ ata}$$

c) Volume Calculations for Other Uses:

2. Overlap Review

a) Other water rights with same place of use: 32-0098; 32-0099

b) Other water rights with same point of diversion: N/A

c) Analysis: R 29

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MAR 21 1990

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30 29
31 32

A
69.5

38

39

B
29.9

22

39

40

13

37

LOT

LAVAR NEWMAN

B146

568

MICROFILMED
DEC 08 1999

**APPLICATION FOR PERMIT
STATE OFFICE ANALYSIS**

Reviewed by Sharla Curtis on 11/8/99

No. 32-07253 Name: Newman Corp. Officers N/A Ad ok ☒ Govt Lots ☒

AREA OF CONCERN: No/Yes ESPA Moratorium GWMA TRUST/NON-TRUST

GROUNDWATER: (√Flow Chart)

DRILLING PERMIT

All wells - 046(P23)
Basin 34 - 085
Irr. w/in WD - P05
WMD - North/East/West
≤ 0.24 cfs/5 acres - No MD
> 0.24 cfs/5 acres - 067
~~WMD~~
Supp irr (irr = only use) - 065-079
Supp irr (other uses) - 100-101
≤ 0.24 cfs/5 acres - No MD
> 0.24 cfs/5 acres - 01M

LOCATION:

Boise Front LoGeo - 058 (<85 GW)
~~Mitigation~~ - 121
42-248 Area - P84 (20s-70s, 81-86)
Swan Falls Flag -
Trust - 051(P74) (consumptive uses)
~~Non-Trust~~ - 048-049 (consumptive uses or non-cons. > 1.0 cfs)

USES:

~~STORAGE~~ - 18A-01H(P01), 01P-18B(P09)-NA
IRR ≤ 5 ac - R66/R67/R68/R69 (0.03 cfs/ac)
> 5 ac - R62/R63/R64/R65 (0.02 cfs/ac)
STOCKWATER - R37 (BLM/USFS)
MINING - 054-081(P10)
FISH PROP - 029(70'S only)-007-042-081(P10)
HEAT/COOL - R07(injection well)
FIRE PROT. - 077

BENEFICIAL USE DUE: 1/01/2000

MISC CONDITIONS/REMARKS:

~~Protested~~ - 020-W19 N/A
Development Period
≤ 1 yr - P16
> 1 yr - 26A(P17)
Ownership - 004
Non-consumptive - 027
Water Quality - 081-R07

SURFACE WATER: (√Flow Chart)

F&G contacted - Yes/No Response
In/Above MSF - WB9
PLANNING SECTION REVIEW/RESPONSE
In-stream development - P52
WD - R04 (WD#)
≤ 0.20 cfs/others - 01H(P01), 01P or No MD
> 0.20 cfs - 01J(P08)

SPRINGS/SINK, INACTIVE WD & REST OF STATE

≤ 0.24 cfs/5 acres - No MD
> 0.24 cfs/5 acres - 01M or No MD

RIVER BASINS: (SW special considerations)

Snake R (01) - W22(P04), N/A
(02.03) - 007 (w/ remark WB9 if above Weiser)
Payette R (65) - 047(P04) (Payette Lake)
Salmon R (70's) - 029 (fish screens)
Weiser R (67) - 086-087

USES:

POWER - 17H-17K (+uses)-08A-025(P18)-01N-081(P10)
MUNICIPAL
Restricted area - 022,075
Irr, GW supp to SW - 102
DOMESTIC
Surface water - WB5 (Big Wood or Boise above Star Bridge)
27A (Payette R)
> 1 in restricted area - 070-071-075(no parks/common areas, etc)
Irr use listed separate - WB5
Moratorium approvable - W03 (2400 gpd - meetd domestic definition
i.e. D/convenience store)

Multiple pd's per 1/4 - W32
Subd lot desc (pd) - W59
Subd lot desc (pu) - W60
Use definitions - W02 example - S/50 range
Pre-1987 development - 068-074 (allow 120 days for proof due)

OTHER CONDITIONS/REMARKS

COMMENTS Season = 5/1-10/31

Send Copy

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NOV 1 - 1999

Dist. for staffing
Submitted for advertising

8-18-98

Form No. 202
4/87

STATE OF IDAHO
Department of Water Resources
DEPARTMENT OF WATER RESOURCES
APPLICATIONS FOR PERMIT ANALYSIS PERMIT

INITIAL REVIEW BY HWT DATE 8-18-98 APPLICATION NO. 32-07253

REQUIRED INFORMATION

- ☒ Name (If applicant is a corporation or partnership, names must be provided for the director, officers, & other partners.)
☒ Address
☒ Source (See USGS Quad for names of water sources)
☒ Point of Diversion (10 acres for spring, lot & block descriptions for subdivisions, local name, flow and/or volume)
☒ County
☒ Quantity (flow and/or volume)
☒ Period of Use
☒ Nature of proposed use (Include description of use.)
☒ Description of diverting works
☒ Time required for beneficial use of water
☒ Place of use or acres irrigated
☒ Map
☒ Signature (If applicant is corp., partnership, or municipality, title of signatory is required)
☒ Fee
☒ Yes ☐ No* In form to receipt

ADDITIONAL INFORMATION

- ☒ Overlapping place of use (Describe source & relationship to present application on the back.)
☒ Overlapping point of diversion
Yes ☒ No ☐ Field check required
Field check by _____
Yes ☐ No ☐ Field report attached
Yes ☐ No ☐ Critical groundwater area
Yes ☐ No ☐ Groundwater management area
Yes ☐ No ☐ Send dam safety information
Yes ☐ No ☐ Send power requirement letter
Yes ☐ No ☐ Send fish farm requirement letter
Yes ☐ No ☐ Power residency affidavit
Yes ☐ No ☐ Power efficiency form
☒ Yes ☐ No Within trustwater boundary (If yes, attach trust water supplementary analysis sheet.)
Yes ☐ No Diversion greater than 5 cfs or 500 acre ft. (If yes, attach large diversion supplementary analysis sheet.)
See reverse side for additional information

*REQUEST THE FOLLOWING ADDITIONAL INFORMATION FROM THE APPLICANT

Ask For pump curve on new pump and hp also

Date Requested _____

PROCESSING

☒ Yes ☐ No In form for advertising
☒ Yes ☐ No Statewide advertising
☒ Yes ☐ No Fee amount, receipt date & No. recorded on application

SEND COPIES TO

☐ Idaho Dept. of Health & Welfare ☐ U.S. BLM
☐ Idaho Dept. of Fish & Game ☐ U.S. Forest Service
☐ Idaho Dept. of Lands ☐ Water District
☒ Other Ted Sorenson

5203 S. 11th East
ID Falls, ID 83404

Ant 8/24/98

FINAL REGIONAL PROCESSING REVIEW

☒ Yes ☐ No Affidavit of publication received
☒ Yes ☐ No Application published correctly. If not, record action taken

☒ Yes ☐ No Publication dates & paper, recorded on application
☒ Yes ☐ No Protests received
☐ Yes ☐ No Final date for protest
☒ Yes ☐ No Protests, dates, resolution of protest, recorded on application
☐ Yes ☒ No Recommendations attached
☐ Yes ☒ No Measuring device required
☐ Yes ☒ No Access port required
☐ Yes ☒ No Will water be delivered by watermaster? If yes, what Dist.
☐ Yes ☒ No Special conditions of approval or cover letter below.

Date of priority recommended

8-17-1998

By:

Date:

STATE OFFICE REVIEW

By

Date:

ADDITIONAL INFORMATION

Same PD + P.O.U. 95 Tr4277 / 32-07116

Birch Creek Ranches, L.L.C.

5203 South 11th East
Idaho Falls, Idaho 83404

Phone: (208) 522-8069
Fax: (208) 522-8223
e-mail: sorenson@ida.net

October 26, 1999

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OCT 27 1999

Department of Water Resources
Eastern District Office

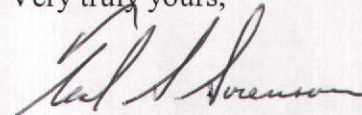
Harold W. Jones
Water Rights Supervisor
Department of Water Resources
900 North Skyline Drive
Idaho Falls, ID 83402-1718

Re: Lavar Newman Application
Permit Nos. 32-07253

Dear Mr. Jones:

This letter is written on behalf of Birch Power Company and Birch Creek Ranches, L.L.C. concerning the protest filed on 8/31/98. I understand the Application for Permit 32-07253 is for an additional 1.35 cfs for 2 wells located in Section 31 Township 12 North Range 29 East. The original permit is 32-07116 and may be amended by Transfer 4277. Apparently the original 1984 field exam showed a total of 4.35 cfs to be pumped. Accordingly, I withdraw my protest to this application provided (1) that the total pumped from both wells (permits 32-07255, 32-07116, and transfer 4277) operating does not exceed 4.35 cfs and (2) this is checked by a new field exam.

Very truly yours,



Ted S. Sorenson

TSS/red

cc: Lavar Newman

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United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Upper Columbia - Salmon Clearwater Districts
Lemhi Resource Area
Route 2, Box 610
Salmon, Idaho 83467

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NOV 16 1998

Department of Water Resources
Eastern Region

In Reply Refer To:

7250 (046)

November 12, 1998

Harold Jones
Department of Water Resources
900 N. Skyline Drive
Idaho Falls, ID 83402-1718

Mr. Jones:

The Bureau of Land Management (BLM) is hereby withdrawing the protest of water right filing **32-07253**, filed by LaVar Newman of Montevue, Idaho. The place of use at T12N R29E S32 SESW has been removed from Permit 32-07253 by the applicant.

BLM does not object to the current legal description on the permit.

Sincerely,

David E. Krosting
Area Manager

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2 41.79

3 41.87

30

29

4 41.94

1 014728
Recon US
All Min

1 42.05

1 2657
12.5'

2 42.20

3 42.34

ID1 30282
8' Buried

4 42.49

BL 053996
200' Hwy

902746
D/C

31

1 2017
12.5'

11650062
D/C

BL 055039
Mat S

D/C R/W

H 07393
100'

D/C

32

1 2017
12.5'

1 2017 12.5'

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DEC 08 1999

T12N; R29E

Report on Pumping Plant Efficiency Evaluation

Lavar Newman
Montevideo, Idaho

General

A pumping plant efficiency evaluation was conducted at the Lavar Newman farm in Lemhi County, Idaho on July 11, 1984. The test was conducted to determine current system efficiency and evaluate methods of reducing future energy consumption. The pump test was conducted by the Idaho Department of Water Resources through its technical assistance program on agricultural/irrigation efficiency funded by the Bonneville Power Administration and the U.S. Department of Energy.

Description of Pumping Plant and Irrigation System

The pumping plant is located in the SE $\frac{1}{4}$ of SE $\frac{1}{4}$, Sec. 31, T12N, R29E, Lemhi County, Idaho. The plant consists of one 150 hp Johnson turbine pump and a 150 hp General Electric motor with energy consumption measured by one meter at the site. Water is discharged to a mainline serving 13 one-fourth mile handline sprinkler laterals. The discharge pipe is 10 inches in diameter and contains a "Y" section connected to the northwest to southeast running mainline, approximately 5.4 feet from the pump.

Methods and Procedures

Flow measurements were obtained using a 10 inch Dover annubar. The annubar was connected on a straight run section of discharge pipe approximately 5 feet from the pump. Discharge pressure was measured using a liquid filled pressure gauge located approximately 3.6 feet from the pump. Input power was calculated by timing the revolutions of the electric meter disc.

Results

Detailed computations for flow and power measurements are presented in the appendix. Results of the pump efficiency test are shown as follows:

SUMMARY OF PUMPING PLANT EFF. TEST OWNER OF PUMP(S): LAVAR NEWMAN

PUMPING UNIT	RATED HP	RATED Q (GPM)	OPERATING STATUS	Q (GPM)	DIS.PRESS (PSI)	TCH (FT)	WHP (HP)	IHP (HP)	EFF (%)
MAIN ONLY	150	2000	MAIN ONLY	1953.9	53.0	183.4	90.5	156.6	57.9

Summary and Recommendations

The pump efficiency test was conducted to identify potential changes that could be considered which will result in annual energy savings. It is not a complete system analysis and hydraulic evaluation. It is hoped that the results of this test and recommendations will provide information to the pump owner/irrigator in making some decisions to reduce electrical energy consumption. The following is a summary of the test and our recommendations.

1. The test indicated that the pumping unit was performing at 57.8% efficiency assuming a motor efficiency of 92%. Based on some pump performance standards of electrically powered pumps, the unit is presently operating at low efficiency.
2. Inefficiency of the pumping plant could be caused by several factors such as worn out impellers, improper impeller adjustments, changes made on the system, etc. Low efficiency of this pump could be the result of any or all of these problems. It was not possible to compare the present performance of the pump with the manufacture's specifications since the original pump curve was unavailable.
3. Assuming that the pumping plant efficiency could be improved to an efficiency of 74% (which assumes a motor

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BEFORE THE DEPARTMENT OF WATER RESOURCES
OF THE STATE OF IDAHO

IN THE MATTER OF PERMIT NO.)
32-07253 IN THE NAME OF) **REINSTATEMENT ORDER**
LAVAR NEWMAN)
_____))

WHEREAS, the Department issued the above-captioned permit with the condition that proof of construction of works and application of water to beneficial use (proof of beneficial use) be submitted to the Department on or before April 1, 2000, and,

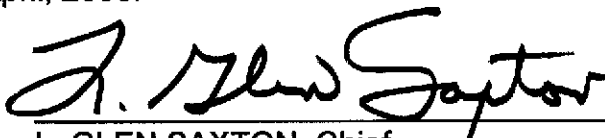
WHEREAS, Permit No. 32-07253 lapsed on April 1, 2000, since the permit holder did not submit the proof of beneficial use or an extension of time request; and

WHEREAS, Section 42-218a, Idaho Code, provides that the Department may reinstate a permit upon a showing of reasonable cause by the permit holder within sixty days of the date of the lapse; and,

WHEREAS, the permit holder has provided a reasonable showing why the permit should be reinstated by submitting proof of beneficial use on April 18, 2000;

IT IS, THEREFORE, HEREBY ORDERED that Permit No. 32-07253 is **REINSTATED** with an advance in priority to **September 3, 1998**.

DATED this 28th day of April, 2000.



L. GLEN SAXTON, Chief
Water Allocation Bureau

MICROFILMED

MAY 18 2000

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

RECEIVED

PROOF OF BENEFICIAL USE

APR 21 2000

Department of Water Resources

The Idaho Department of Water Resources considers this form a statement that the permit holder(s) has/have completed all development that will occur under this permit and that water has been applied according to the provisions of the permit for the beneficial use(s) described below. This form must be accompanied by a license examination fee, when necessary, or be accompanied by a completed field examination report prepared by a certified water right examiner.

1. Permit No. 32-07253 Telephone No. (208) 657-2252

2. Name of Permit Holder(s): Lavar Newman

3. Mailing Address: 2941 N 800 E Montevideo Id 83435

City Montevideo State ID Zip 83435

4. Source of Water: GROUNDWATER If GROUNDWATER (well), Date Drilled: mo. APRIL / yr. 1995

a. Well Driller: Barrus Drilling Permit Number: 32-81-E-001
32-95-E-001

5. Use(s) (as authorized by the water right permit):

Domestic (No. of households): _____ Stockwater (No. and type of stock): _____

Irrigation (No. of acres): 342ac Other: _____

6. Total rate of diversion and/or volume for which proof is submitted: 1.35 cfs OR _____ acre feet

7. Measuring Device Requirement: (refer to the approval conditions on your permit and respond accordingly)

(This question is not optional. Please check either yes or no. Proofs returned not checked accordingly, will be considered incomplete)

Measuring Device: Is a measuring device required? Yes _____ or No ✓
Has the measuring device been installed? Yes _____ or No ✓

8. Fee Enclosed: \$ _____ (See Fee Schedule on back of the instructions for filing proof of beneficial use)

9. Person to contact to accompany the Department representative during field examination of the water system.

Name: Lavar Newman Telephone Number: (208) 657-2252

Address: Same

10. The information given on this form is my true statement of the extent to which the above numbered permit has been developed and water has been diverted. I agree to relinquish any undeveloped portion of the permit to the State of Idaho.

Signature of permit holder: Lavar Newman Date: 4/18/2000
(include your title, if on behalf of company or organization)

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State of Idaho
Department of Water Resources

Permit To Appropriate Water

NO. 32-07253

Priority: August 17, 1998

Maximum Diversion Rate:

1.35 CFS

This is to certify, that **LAVAR NEWMAN**

2941 N 800 E

MONTEVIEW ID 83435

has applied for a permit to appropriate water from: **GROUNDWATER**

and a permit is **APPROVED** for development of water as follows:

BENEFICIAL USE

PERIOD OF USE

RATE OF DIVERSION

IRRIGATION

05/01 to 10/31

1.35 CFS

LOCATION OF POINT(S) OF DIVERSION:

SENE , Sec. 31, Township 12N, Range 29E

SESE , Sec. 31, Township 12N, Range 29E

LEMHI 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>
11N	29E	5	Lot 3 (NENW)	44.0	Lot 4 (NWNW)	25.0	SENE	5.0	74.0
		6	Lot 1 (NENE)	4.0					4.0
12N	29E	31	NENW	40.0	SENE	40.0	NESW	18.0	
			NESE	40.0	NWSE	39.0	SWSW	11.0	
			SESE	36.0					224.0
		32	SWSW	40.0					40.0

Total number of acres irrigated:

342.0

CONDITIONS OF APPROVAL AND REMARKS

1. Proof of application of water to beneficial use shall be submitted on or before **April 1, 2000**.
2. Subject to all prior water rights.
3. Right holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code.
4. Any license issued by IDWR pursuant to the right or portion thereof for the use of trust water is subject to a term review of 20 years after the date of this approval to determine availability of water for the use and to re-evaluate the public interest at the end of the term.
5. This permit does not authorize the construction of any new well or the deepening or enlargement of any existing well.
6. This right does not authorize the irrigation of land not previously irrigated.
7. This right when combined with all other rights shall provide no more than 0.02 cfs per acre nor more than 3.5 afa per acre at the field headgate for irrigation of the lands above.

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State of Idaho
Department of Water Resources

Permit To Appropriate Water

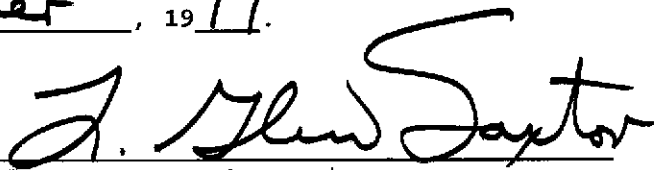
NO. 32-07253

CONDITIONS OF APPROVAL AND REMARKS

8. The right holder shall use the full allotment of appurtenant surface water rights in conjunction with groundwater diverted under this right and shall only divert groundwater under this right when water from the appurtenant surface water rights cannot be delivered to the right holder.
9. This right shall not be used if the surface water right(s) appurtenant to the place of use is sold, transferred, leased or used on any other place of use.
10. Right 32-07116 is also diverted through the points of diversion described above.

This permit is issued pursuant to the provisions of Section 42-204, Idaho Code.
Witness the signature of the Director, affixed at Boise, this

24th day of November, 1999.


for
Karl J. Dreher, Director

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DEC 08 1999

Ident. No. 32-07253

RECEIVED

NOV 1 - 1999

Department of Water Resources

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

APPLICATION FOR PERMIT

To appropriate the public waters of the State of Idaho

RECEIVED

AUG 17 1998

Department of Water Resources
Eastern Region1. Name of Applicant Lavar Newman Phone (208) 657-2252
Mailing address 2941 N. 800 E. Montevideo ID 834352. Source of water supply Groundwater which is a tributary of _____3. Location of point of diversion is Township 12N Range 29E Sec. 31 in the _____ 1/4.
SE 1/4, NW 1/4, Govt. Lot _____, B.M., Lemhi County;additional points of diversion if any: SESE Sec 31 T12N R29E ^{from}

4. Water will be used for the following purposes:

Amount 1.35 cfs for Irrigation purposes from 5/1 to 10/31 (both dates inclusive) ^{new season}
(cfs or acre-feet per annum) 4-15 10-15 ^{use map se}
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)
Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)

5. Total quantity to be appropriated is (a) 1.35 and/or (b) _____
cubic feet per second acre feet per annum

6. Proposed diverting works:

a. Describe type and size of devices used to divert water from the source 2 wells + pumps
to 5 sprinklersb. Height of storage dam _____ feet; active reservoir capacity _____ acre-feet; total
reservoir capacity _____ acre-feet

c. Proposed well diameter is _____ inches; proposed depth of well is _____ feet

d. Is ground water with a temperature of greater than 85°F being sought? NOe. If well is already drilled, when? 1994 ^{1st - inst well}; Drilling firm _____ ^{2nd well}Well was drilled for (well owner) Lavar Newman; Drilling Permit No. _____7. Time required for completion of works and application of water to proposed beneficial use is 1 years (minimum 1 year)

8. Description of proposed uses (if irrigation only, go to item 9):

a. Hydropower; show total feet of head and proposed capacity in KW. _____

b. Stockwatering; list number and kind of livestock. _____

c. Municipal; show name of municipality. _____

d. Domestic; show number of households. _____

e. Other; describe fully. _____

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Date	8-17-98	Received by	LLJ	#	E024362	Preliminary check by	
Date	9-3-98	Date	9-10-98	Published in	12/10/98	Order	Harold
Date	10-19-98						

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BE IT KNOWN that the undersigned hereby makes this application for permit to appropriate the public waters

13. MAP OF PROPOSED PROJECT REQUIRED - Attach an 8 1/2 x 11" map clearly identifying the proposed point of diversion, place of use, section #, township & range. (A photocopy of a USGS 7.5 minute topographic quadrangle map is preferred.)

12. Remarks: The cfs applied for has been used over & above the 3.00 cfs licensed on 12-07116. A total of 4.35 cfs has been pumped since the system was put in & reflected by measurements made in 1984 by IDWR. The same acres and same wells are included in this application.

11. 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

10. Describe any other water rights used for the same purposes as described above. W 4211 / 32-01116

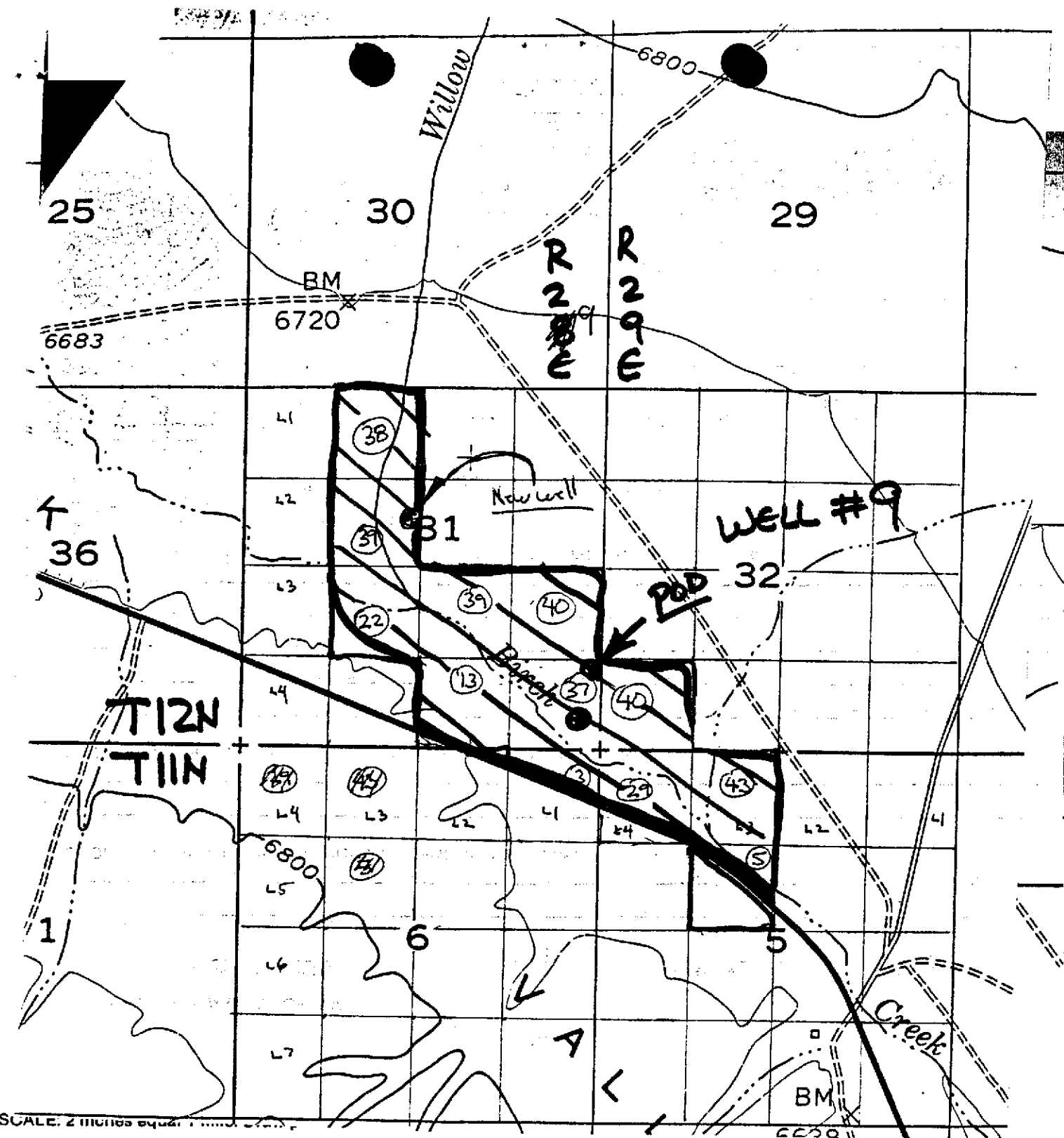
* deleted as per request by Applicant - 10/22/98

TWP	RGE	SEC	NE				NW				SE				SW				TOTALS
11N	29E	5																	77
		6																	3
12N	29E	31																	228
		32																	40

9. 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 the use (example: *D for Domestic*) in the corresponding place of use below. See instructions for standard symbols.



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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

April 28, 2000

DIRK KEMPTHORNE
GOVERNOR

KARL J. DREHER
DIRECTOR

LAVAR NEWMAN
2941 N 800 E
MONTEVIEW ID 83435

PROOF ACKNOWLEDGEMENT LETTER

RE: PERMIT NO. 32-07253

Dear Permit Holder:

The department acknowledges receipt of the proof of beneficial use form submitted for the above referenced permit. Enclosed is an order reinstating the permit since proof was submitted after the proof due date.

Please be advised that Section 42-248, Idaho Code, requires you or the owner of this water right to maintain current ownership and address records on file with the department. Forms to file a change of ownership of a water right and/or a change in the address of the water right owner are available from any department office.

The next step in the process of developing a water right is for the department to conduct a field examination to determine and confirm the use being made of the water. If you have questions concerning the field examination, please contact the **Eastern** Regional Office of the department in Idaho Falls at (208) 525-7161.

Sincerely,

Deborah Drew-Ellis
Administrative Assistant
Water Allocation Bureau

Enclosure

c: IDWR - Region

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MAY 18 2000

ANALYSIS SHEET
FOR
PROOF OF BENEFICIAL USE

Permit No. 32-07253 Reviewed by D. Ellis Date 4/28/00

GENERAL CONSIDERATIONS

Yes Name same as permit?

Yes Address same as permit?

No Proof timely received?

If not, complete calculation below.

TYPES OF USE

Irrigation

Correct Uses? Yes

SOURCE OF WATER

 Surface water source

✓ Ground water source

Yes Drilling permit required?

No Copy in the file? Drilling Permit No. 32-95-E-001

 Amount paid for permit Correct?

No Well log in the file?

LICENSE EXAMINATION FEE

Yes Required?

\$125 Amount Submitted

Yes Correct?

MEASURING DEVICE

No Required?

 Installed?

 Waiver requested?

PRIORITY CALCULATION

Date proof received 4/18/2000

Date proof due 4/1/2000 -

No. of days late 17 =

Priority Date Aug 17, 1998

New Priority Date 9/3/98

DEFICIENCIES OR ACTION ITEMS

Acknowledge proof, reinstate & advance priority to 9/3/98.

DATA ENTRY

New Address

Proof Made 4/18/2000

Z 433 941 854

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to

Lavar Newman

Street & Number

2941 N 800 E

Post Office, State, & ZIP Code

Montevideo, ID 83435

Postage

\$

Certified Fee

Special Delivery Fee

Restricted Delivery Fee

Return Receipt Showing to Whom & Date Delivered

Return Receipt Showing to Whom, Date, & Addressee's Address

TOTAL Postage & Fees

\$

Postmark or Date

Proof of beneficial
due notice

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MAY 18 2000

WALTON

PS Form 3800, April 1995

Stick postage stamps to article to cover First-Class postage, certified mail, and charges for selected optional services (See front).

1. If you want this receipt postmarked, stick the gummed stub to the right of the return address leaving the receipt attached, and present the article at a post office service window or hand it to your rural carrier (*no extra charge*).
2. If you do not want this receipt postmarked, stick the gummed stub to the right of the return address of the article, date, detach, and retain the receipt, and mail the article.
3. If you want a return receipt, write the certified mail number and your name and address on a return receipt card, Form 3811, and attach it to the front of the article by means of the gummed ends if space permits. Otherwise, affix to back of article. Endorse front of article **RETURN RECEIPT REQUESTED** adjacent to the number.
4. If you want delivery restricted to the addressee, or to an authorized agent of the addressee, endorse **RESTRICTED DELIVERY** on the front of the article.
5. Enter fees for the services requested in the appropriate spaces on the front of this receipt. If return receipt is requested, check the applicable blocks in item 1 of Form 3811.
6. Save this receipt and present it if you make an inquiry.

102595-98-M-0548

January 31, 2000

LAVAR NEWMAN
2941 N 800 E
MONTEVIEW ID 83435

PROOF DUE NOTICE

RE: PERMIT NO. 32-07253

Dear Permit Holder:

One of the conditions of approval of the above referenced water permit was that proof of the extent of your beneficial use must be submitted to this office on or before April 1, 2000.

(See last page of your approved permit or your last approved extension request.) Enclosed is a form which when accompanied by the license examination fee or a complete field examination report prepared by a certified water right examiner may be used to submit the required proof.

If you have not fully completed your project, and you or a previous owner of this permit have not received a prior extension of time, you may request an extension of time if the delay is for reasonable cause as provided in Section 42-204, Idaho Code. If you have been prevented from proceeding by a governmental agency or by litigation which might bring title to the water in question, more than one extension of time can be granted. An extension of time request form is enclosed for your convenience.

Either an acceptable proof of beneficial use submittal or an acceptable request for an extension of time must be received by this department on or before the above described proof due date. If neither is received, the department will send you a lapse notice. Within sixty (60) days of the mailing of the lapse notice, the permit will no longer be of any force nor effect.

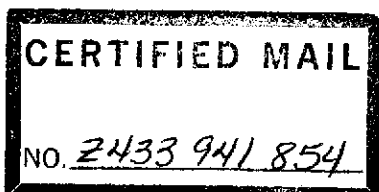
SINCERELY,

JULIE L. YARBROUGH
Senior Secretary

Enclosures

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MAY 18 2000



32-07253

Mr. Newman phoned from
Arizona to say he will
be returning to Idaho
next week and will
contact the Idaho Falls
office regarding the
Proof of Beneficial Use.

Kari Lynn
3.31.20

MICROFILMED

MAY 18 2000



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

DIRK KEMPTHORNE
GOVERNOR

KARL J. DREHER
DIRECTOR

November 26, 1999

LAVAR NEWMAN
2941 N 800 E
MONTEVIEW ID 83435

PERMIT APPROVAL NOTICE

RE: PERMIT NO. 32-07253

Dear Permit Holder:

The Department of Water Resources (IDWR) has issued the enclosed permit authorizing you to establish a new water right. Please be sure to thoroughly review the conditions of approval and remarks listed on your permit.

The permit is a preliminary order issued by IDWR pursuant to section 67-5243, Idaho Code. It can and will become a final order without further action by IDWR unless a party petitions for reconsideration or files an exception and/or brief as described in the enclosed information sheet.

Enclosed is a form entitled "Instructions for Proof of Beneficial Use". Please read the instructions carefully since you must take further action to develop this permit into a licensed water right. Also enclosed is a form entitled "Proof of Beneficial Use". If your project is already completed, you should complete and submit this form immediately.

The right to drill a well is not a part of this permit to appropriate water. Beginning in July of 1987, a statute was enacted which requires a drilling permit for new well construction and deepening of existing wells. If the well(s) proposed for use under this right were drilled or deepened after July 1, 1987, a separate drilling permit must be obtained from this Department. Please contact the Groundwater Protection Section located here at this office or our regional office nearest you.

You should be aware that you are located within a drainage basin where surface water diversions are regulated by a watermaster. It is possible that diversion of groundwater under your right may cause a reduction of surface water flow. Siting your well as far as possible from surface water channels and casing your well so that groundwater tributary to surface flows are not diverted will reduce the potential for the watermaster to

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regulate your water use.

Also, please note that water right owners are required to report any change of water right ownership and/or change of mailing address to the department within 120 days of the change. Failure to report these changes could result in a \$100 late filing fee. Contact any office of the department or visit the department's homepage on the Internet to obtain the proper reporting form.

If you have any questions, please call me at 208-327-7946.

Sincerely,

A handwritten signature in cursive script, appearing to read "Shelley W. Keen".

Shelley W. Keen
Water Rights Supervisor

SK:klt

Enclosures

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CERTIFICATE OF MAILING

I hereby certify that on the **26th** day of **November, 1999**, I mailed a true and correct copy, postage prepaid, of the foregoing **PRELIMINARY ORDER (Approved Permit)** to the person(s) listed below:

Water Right No. 32-07253

LAVAR NEWMAN
2941 N 800 E
MONTEVIEW ID 83435


Kari Lynn Townsend
Secretary

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Responding to Preliminary Orders Issued by the Idaho Department of Water Resources

The Idaho Department of Water Resources (Department) issues water right permits, licenses, and transfers as preliminary orders pursuant to section 67-5243, Idaho Code. A preliminary order can and will become a final order without further action of the department unless a party petitions for reconsideration or files an exception and/or brief as further described below:

PETITION FOR RECONSIDERATION

Any party may file a petition for reconsideration of a preliminary order with the Department within fourteen (14) days of the service date of the order. The Department will act on a petition for reconsideration within twenty-one (21) days of its receipt, or the petition will be considered denied by operation of law. See section 67-5243(3), Idaho Code.

EXCEPTIONS AND BRIEFS

Within twenty-one (21) days after (a) the service date of a preliminary order, (b) the service date of a denial of a petition for reconsideration from this preliminary order, or (c) the failure within twenty-one (21) days to grant or deny a petition for reconsideration from a preliminary order, any party may in writing support or take exceptions to any part of a preliminary order and may file briefs in support of the party's position on any issue in the proceeding. Otherwise, a preliminary order will become a final order of the Department.

If any party appeals or takes exceptions to a preliminary order, opposing parties shall have twenty-one (21) days to respond to any party's appeal. Written briefs in support of or taking exceptions to the preliminary order shall be filed with the Department. The Department retains the right to review the preliminary order on its own motion.

ORAL ARGUMENT

If the Department grants a petition to review a preliminary order, the Department shall allow all parties an opportunity to file briefs in support of or taking exceptions to the preliminary order and may schedule oral argument in the matter before issuing a final order. If oral arguments are to be heard, the Department will within a reasonable time period notify each party of the place, date and hour for the argument of the case. Unless the Department orders otherwise, all oral arguments will be heard in Boise, Idaho.

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Page 1

CERTIFICATE OF SERVICE

All exceptions, briefs, requests for oral argument and any other matters filed with the Department in connection with a preliminary order shall be served on all other parties to the proceedings in accordance with Rules of Procedure 302 and 303.

FINAL ORDER

The Department will issue a final order within fifty-six (56) days of receipt of the written briefs, oral argument or response to briefs, whichever is later, unless waived by the parties or for good cause shown. The Department may remand the matter for further evidentiary hearings if further factual development of the record is necessary before issuing a final order. The department will serve a copy of the final order on all parties of record.

Section 67-5246(5), Idaho Code, provides as follows:

Unless a different date is stated in a final order, the order is effective fourteen (14) days after its issuance if a party has not filed a petition for reconsideration. If a party has filed a petition for reconsideration with the agency head, the final order becomes effective when:

- (a) the petition for reconsideration is disposed of; or
- (b) the petition is deemed denied because the agency head did not dispose of the petition within twenty-one (21) days.

APPEAL OF FINAL ORDER TO DISTRICT COURT

Pursuant to sections 67-5270 and 67-5272, Idaho Code, if this preliminary order becomes final, any party aggrieved by the final order or orders previously issued in this case may appeal the final order and all previously issued orders in this case to district court by filing a petition in the district court of the county in which:

- i. A hearing was held,
- ii. The final agency action was taken,
- iii. The party seeking review of the order resides, or
- iv. The real property or personal property that was the subject of the agency action is located.

The appeal must be filed within twenty-eight (28) days of this preliminary order becoming final. See section 67-5273, Idaho Code. The filing of an appeal to district court does not itself stay the effectiveness or enforcement of the order under appeal.

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MEMORANDUM

TO: File 32-07253

FROM: Sharla

DATE: November 24, 1999

RE: Telecon

On this date, I spoke with the applicant concerning our proposed reduction in acres to match the SRBA recommendations on the overlapping right. The difference is only six (6) acres. Mr. Newman said he had no problem with that reduction and he will be expecting his approved permit sometime next week.

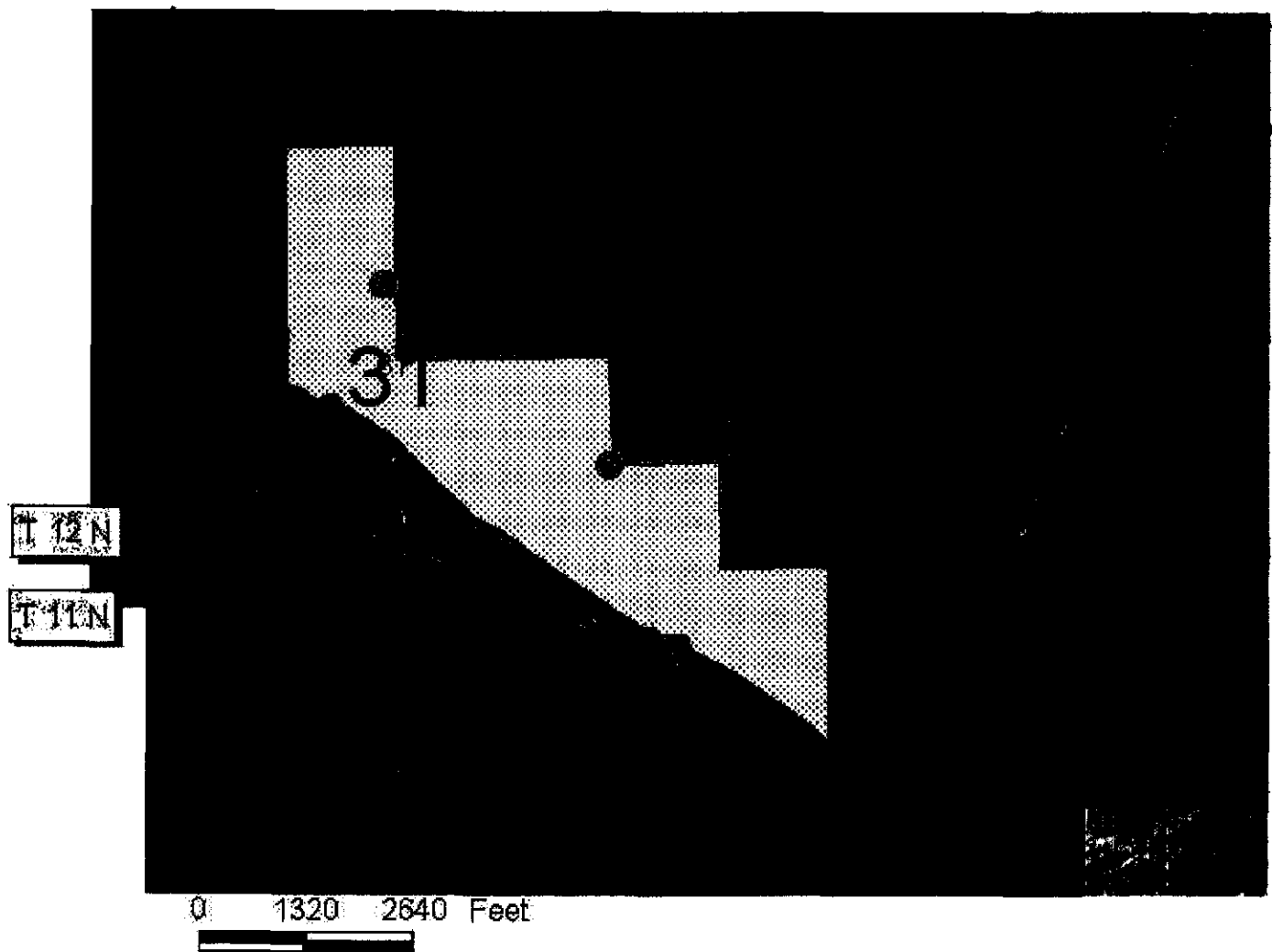
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IDAHO DEPARTMENT OF WATER RESOURCES

32-07253

Overlap of 32-07116



- Point of Diversion
- 1/4 1/4 Section Lines
- Section Lines
- Place of Use Boundary

**Township 11N and 12N
Range 29E**



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GIS Place of Use Illustration
1987/1988 NAPP Photography
Prepared by: Bryce A. Contor
Date: November, 1999

(WATER RIGHT NUMBERS THAT BEGIN WITH AN '/' ARE ADJUDICATION CLAIMS)
(QUARTER-QUARTERS WITH A '/' HAVE DIFFERENT ACREAGE AMOUNTS--CHECK THE DATA BASE RECORDS)

WR-NUMBER	SOURCE	NE				NW				SW				SE				SUM
		Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	
P3207253	T11N R29E S 5 GROUNDWATER																	
	:																	77
3200098	WILLOW CRE :																	132
3207116	GROUNDWATE :																	77
*3207116	GROUNDWATE :																	74
A3207116	GROUNDWATE :																	77
3207253	GROUNDWATE :																	77
*3210358	WILLOW CRE :																	63
A3210358	WILLOW CRE :																	101
--86 MAP--	C59Q-U 84 :																	35
NO QTRS	MAPPING	Lot03-40 Lot04-31																

P3207253	T11N R29E S 6 GROUNDWATER																	
	:																	3
3200099	WILLOW CRE :																	46
3207116	GROUNDWATE :																	3
*3207116	GROUNDWATE :																	3
A3207116	GROUNDWATE :																	3
3207253	GROUNDWATE :																	3
*3210358	WILLOW CRE :																	3
A3210358	WILLOW CRE :																	3
--86 MAP--	C59Q-U 84 :																	
NO QTRS	MAPPING	Lot01-08																

P3207253	T12N R29E S31 GROUNDWATER																	
	:																	228
3200097	WILLOW CRE :																	
3200098	WILLOW CRE :																	160
3200099	WILLOW CRE :																	120
3207116	GROUNDWATE :																	228
*3207116	GROUNDWATE :																	224
A3207116	GROUNDWATE :																	228
3207253	GROUNDWATE :																	228
*3210358	WILLOW CRE :																	137
A3210358	WILLOW CRE :																	228
--86 MAP--	C59Q-U 84 :																	248
NO QTRS	MAPPING	Lot01-09 Lot02-08 Lot03-02																

P3207253	T12N R29E S32 GROUNDWATER																	
	:																	40
3200098	WILLOW CRE :																	40
3207116	GROUNDWATE :																	42

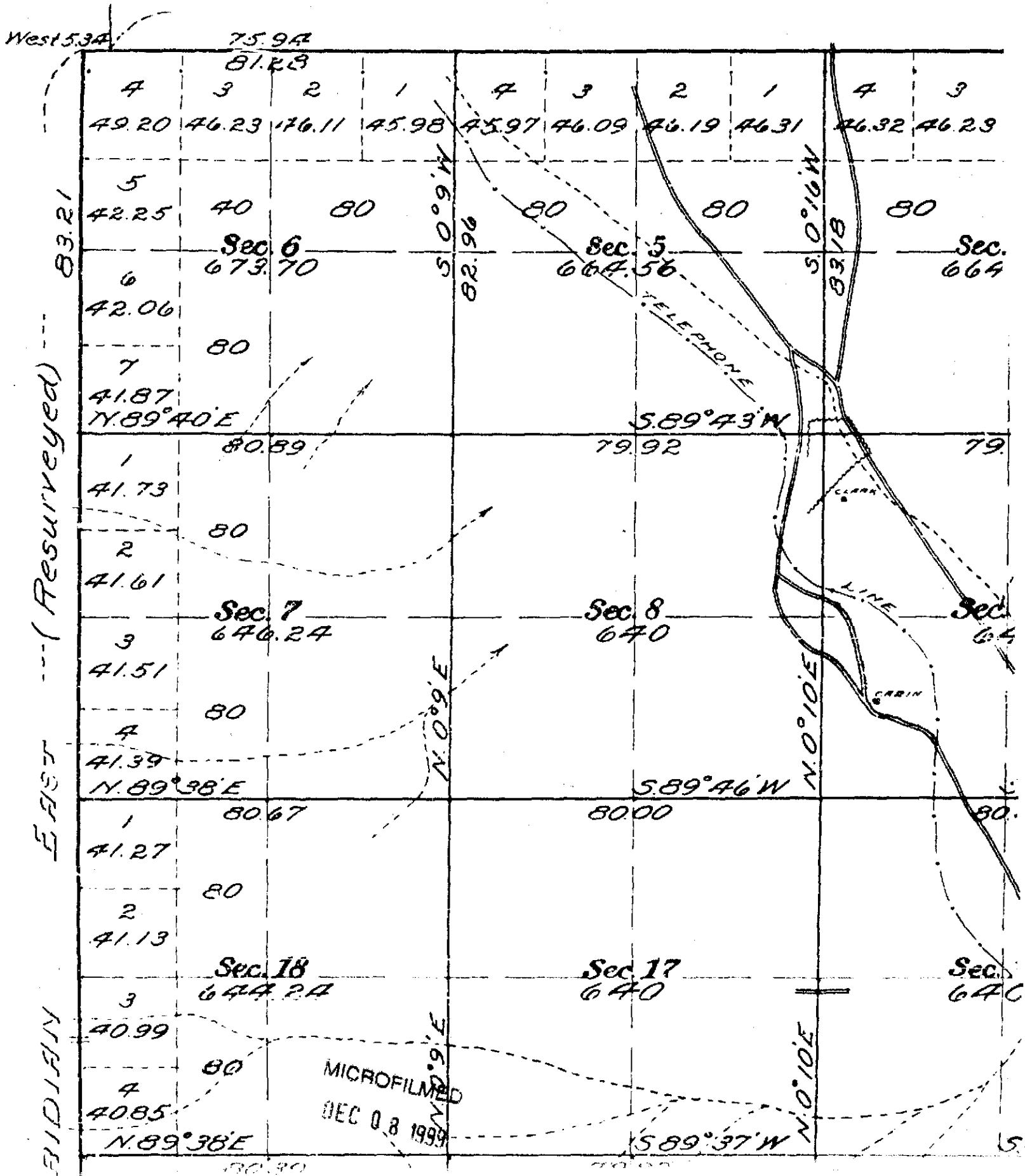
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40 :
40 02 :

(WATER RIGHT NUMBERS THAT BEGIN WITH AN '*' ARE ADJUDICATION CLAIMS)
(QUARTER-QUARTERS WITH A '?' HAVE DIFFERENT ACREAGE AMOUNTS--CHECK THE DATA BASE RECORDS)

WR-NUMBER	SOURCE	NE				NW				SW				SE				SUM	
		NE		NW		SW		SE		NE		NW		SW		SE			
		Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac		
*3207116	GROUNDWATE :													40					: 40
A3207116	GROUNDWATE :													40					: 40
3207253	GROUNDWATE :													40					: 40
*3210358	WILLOW CRE :													19					: 19
A3210358	WILLOW CRE :													40					: 40
--86 MAP--	C59Q-U 84 :											06		39		05			: 50

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$$G \qquad f \qquad F \qquad e \qquad E$$


MAR 12 1986

Department of Water Resources

Permit No. 32-7116

Phone No. 657-2252

1. Owner: LaVar Newman
Current Address: HC 63 Box 2140 Montevideo Id

2. Accompanied by: LaVar Newman EXAM. DATE: 11 Jul 1984
Address: _____ Phone No. _____
Relationship to Permit Holder: _____
3. Source: Groundwater tributary to _____

- | Well/Diversion*
No. | Motor
Make | HP | Motor
Serial No. | Pump
Make | Pump Serial No. or
Discharge Size |
|------------------------|---------------|-----|---------------------|--------------|--------------------------------------|
| | GE | 150 | ESJ507137 | Johnston | 10" |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

*Code with points of diversion, system diagram & photos on reverse side. Disregard if only one.

5. System Description (As operating at time of measurement. Indicate pressure, number of sprinklers, etc.)
well, Pump mainline to hand lines with sprinklers

Approx 13 - 1/4 mile lines

- | Measurement Equipment | Type | Make | Model No. | Serial No. | Size | Calib. Date |
|-----------------------|---------|-------|-------------|------------|--------------------|-------------|
| Flow Meter Station | Annubar | Dover | 7517-316-SS | 191147 | 10.02 ⁴ | |
| | | | | | | |
| Manometer | | | | | | |
| | | | | | | |

7. Measurements $36.9 - 8.4 = 28.5$ ☐ Additional data/computation sheets attached

Pumping 6'3" level 1953.6 gpm

$11\frac{7}{8} - 2\frac{1}{8} = 9\frac{6}{8}$ dia pipe
54 psi

8. Point(s) of Diversion: Indicate Method of Determination *ASCS AERIAL PHOTO*

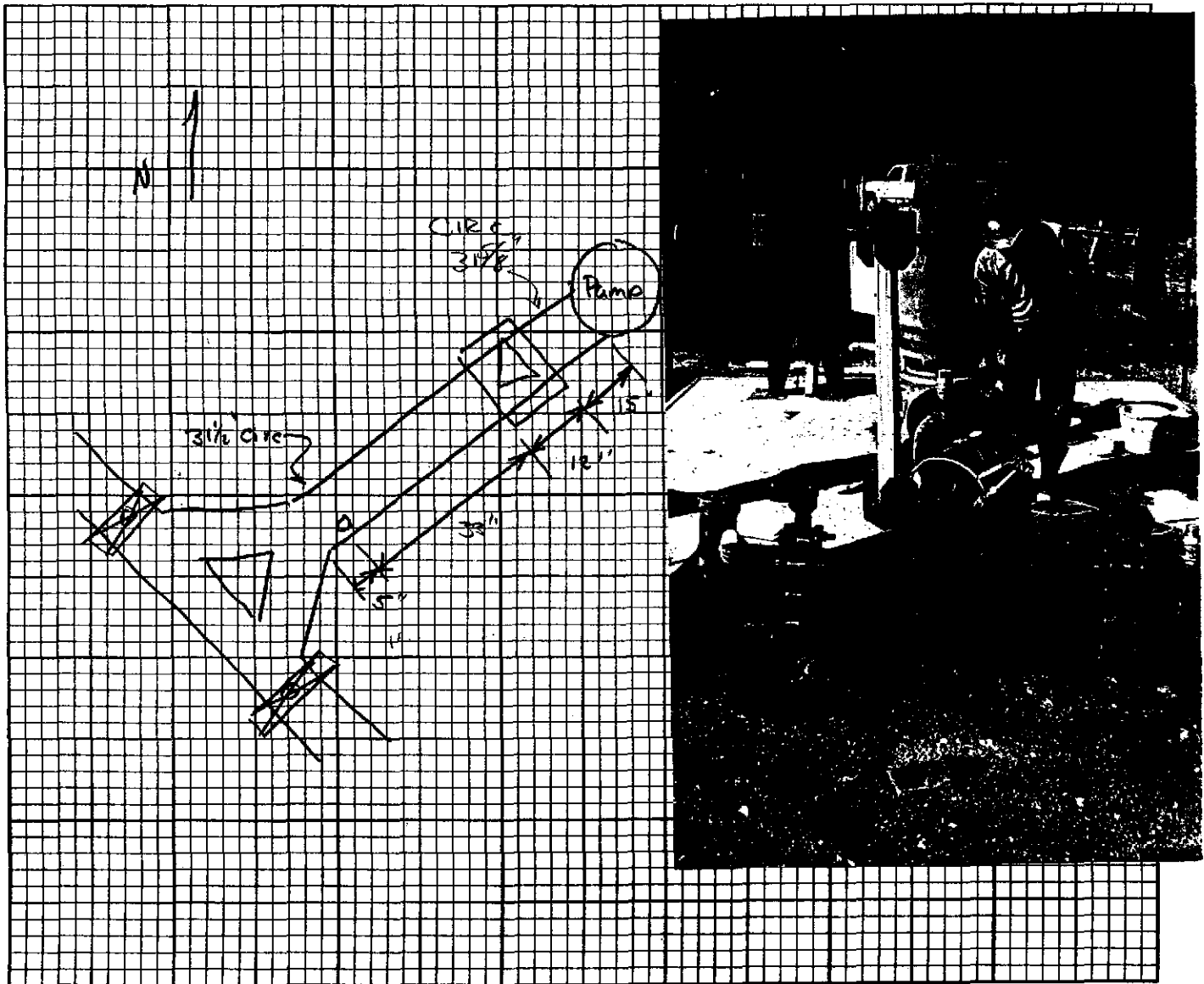
[illegible]

9. Place(s) of Use: Irrigation - give acres served by system at time of exam.
Indicate Method of Determination ASCS AERIAL PHOTO

[illegible]

Total Acres 350

10. Other water rights on these lands 32-0099 ; 32-0098
11. Other water right diverted from same p.d. N/A
12. **Diversion and Delivery System Diagram:** Indicate all major components and distances between components. Indicate ditch size/pipe i.d. as applicable. Indicate on systems with measurement port the distance between the port and the nearest component/pipe bend/restriction both upstream and downstream, and the inside pipe diameter at the measurement port. On multiple diversion systems indicate how diversion systems are connected.



13. ☒ Photo of Diversion & System Attached

☒ Aerial Photo of Place of Use Attached or Map of Irrigated Acreage Attached

14. Remarks _____

15. Recommended Amendments

- ☐ Change P.D. as reflected above
- ☐ Change P.U. as reflected above

- ☐ Add P.D. as reflected above
- ☒ Add P.U. as reflected above

- ☐ None
- ☐ Other

16. Examiner's/Consultant's Signature Keith C Wilson Date 11 July 1984

Consultant's License Number _____

IDWR Director's Authorization to Conduct
Beneficial Use Examination _____

Date _____

CONSULTANT SEAL _____

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DEC 08 1999

RECOMMENDED AMOUNTS

3.	Permit No.	Priority	Amount	App. Date	Date Proof Submitted	System Capacity
	32-7116					4.35

4. Permit Holder: _____

Address: _____

5. Source: Groundwater tributary to _____

6. Beneficial Use	Period of Use		Rate of Diversion	Annual Volume
	From	To	Q (cfs)	V (afa)
IRRIGATION	4/1	11/1	3.00 cfs	1050 afa

Allowable Maximums: 3.00 cfs 1050 afa

7. Point(s) of Diversion:

[illegible]

8. Place(s) of Use NO CHANGE

[illegible]

9. Recommended Conditions/Remarks: R 29

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~~MAR 21 1990~~

10. 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

11. Examiner's Signature Keith C. Wilson Date 10 Mar 1986

Checked in Regional Office by MICHAEL J. [Signature]

Approved in State Office by _____

Date 10 Mar 1986

Date 12/1/88

Date 11/10/2014

~~MICROFILMED~~

DEC 08 1999

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
LICENSING REPORT

RECEIVED

MAR 12 1986

32-7116
Permit No.

1. Measurement Calculations

Department of Water Resources

a) Field Measurement Calculations (Include theoretical capacities and system capacity)

$$Q = 3.85 (i.d.)^2 \sqrt{V} (K)$$

$$i.d. = 9.75"$$

$$V = 28.5$$

$$K = 1.0 \text{ for manometer}$$

$$Q = 3.85 (9.75)^2 \sqrt{28.5} = 1953.8 \text{ gpm} = 4.35 \text{ cfs}$$

$$0.02 \text{ cfs/ae} \times 350 \text{ ae} = 7.0 \text{ cfs}$$

However, permit limited to 3.00 cfs

b) Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 350 \times 3.0 = 1,050$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = 3.0 \times 214 \times 1.9835 = 1273.4$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 1050 \text{ afa}$$

c) Volume Calculations for Other Uses:

2. Overlap Review

a) Other water rights with same place of use: 32-0098; 32-0099

b) Other water rights with same point of diversion: N/A

c) Analysis: R 29

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MAR 21 1990

MICROFILMED

DEC 08 1999

30 39
31 32

38

A
69.5

39

22

39

40

13

37

LOT

LAVAR NE

3146

828

MICROFILMED
DEC 08 1999

APPLICATION FOR PERMIT STATE OFFICE ANALYSIS

Reviewed by Sharla Curtis on 11/8/99

No. 32-07253 Name: Newman Corp. Officers N/A Ad ok ☒ Govt Lots ☒

AREA OF CONCERN: No/Yes ESPA Moratorium GWMA TRUST/NON-TRUST

GROUNDWATER: (✓Flow Chart)

DRILLING PERMIT

All wells - 046(P23)
Basin 34 - 085
~~Irr. w/in WD~~ - P05
WMD - North/East/West
≤ 0.24 cfs/5 acres - No MD
> 0.24 cfs/5 acres - 067
~~WMD~~
Supp irr (irr = only use) - 065-079
Supp irr (other uses) - 100-101
≤ 0.24 cfs/5 acres - No MD
> 0.24 cfs/5 acres - 01M

LOCATION:

Boise Front LoGeo - 058 (<85 GW)
~~Mitigation~~ - 121
42-248 Area - P84 (20s-70s, 81-86)
Swan Falls Flag -
Trust - 051(P74) (consumptive uses)
~~Non-Trust~~ - 048-049 (consumptive uses or non-cons. > 1.0 cfs)

USES:

~~STORAGE~~ - 18A-01H(P01), 01P-18B(P09)-NA
IRR ≤ 5 ac - R66/R67/R68/R69 (0.03 cfs/ac)
> 5 ac - R62/R63/R64/R65 (0.02 cfs/ac)
STOCKWATER - R37 (BLM/USFS)
MINING - 054-081(P10)
FISH PROP - 029(70'S only)-007-042-081(P10)
HEAT/COOL - R07(injection well)
FIRE PROT. - 077

BENEFICIAL USE DUE: #1 01 12000

MISC CONDITIONS/REMARKS:

~~Protected~~ - 020-W19 N/A
Development Period
≤ 1 yr - P16
> 1 yr - 26A(P17)
Ownership - 004
Non-consumptive - 027
Water Quality - 081-R07

SURFACE WATER: (✓Flow Chart)

F&G contacted - Yes/No Response
In/Above MSF - WB9
PLANNING SECTION REVIEW/RESPONSE
In-stream development - P52
WD - R04 (WD#)
≤ 0.20 cfs/others - 01H(P01), 01P or No MD
> 0.20 cfs - 01J(P08)

SPRINGS/SINK, INACTIVE WD & REST OF STATE

≤ 0.24 cfs/5 acres - No MD
> 0.24 cfs/5 acres - 01M or No MD

RIVER BASINS: (SW special considerations)

Snow R (01) - W22(P04), N/A
(02.03) - 007 (w/ remark WB9 if above Weiser)
Payette R (65) - 047(P04) (Payette Lake)
Salmon R (70's) - 029 (fish screens)
Weiser R (67) - 086-087

USES:

POWER - 17H-17K (+uses)-08A-025(P18)-01N-081(P10)
MUNICIPAL
Restricted area - 022,075
Irr. GW supp to SW - 102
DOMESTIC
Surface water - WB5 (Big Wood or Boise above Star Bridge)
27A (Payette R)
> 1 in restricted area - 070-071-075(no parks/common areas, etc)
Irr use listed separate - WB5
Moratorium approvable - W03 (2400 gpd - meetd domestic definition
i.e. D/convenience store)

Multiple pd's per ¼¼ - W32
Subd lot desc (pd) - W59
Subd lot desc (pu) - W60
Use definitions - W02 example - S/50 range
Pre-1987 development - 068-074 (allow 120 days for proof due)

OTHER CONDITIONS/REMARKS

COMMENTS Season = 5/1-10/31

Send Copy

RECEIVED

Dist. for staffing
Submitted for advertising 8-18-98

Form No. 202
4/87

NOV 1 - 1999

STATE OF IDAHO
Department of Water Resources
DEPARTMENT OF WATER RESOURCES
APPLICATIONS FOR PERMIT ANALYSIS PERMIT

INITIAL REVIEW BY HWT DATE 8-18-98 APPLICATION NO. 32-07253

Lavar Newman
REQUIRED INFORMATION

- ☒ Name (If applicant is a corporation or partnership, names must be provided for the director, officers, & other partners.)
- ☒ Address
- ☒ Source (See USGS Quad for names of water sources)
- ☒ Point of Diversion (10 acres for spring, lot & block descriptions for subdivisions, local name, flow and/or volume)
- ☒ County
- ☒ Quantity (flow and/or volume)
- ☒ Period of Use
- ☒ Nature of proposed use (Include description of use.)
- ☒ Description of diverting works
- ☒ Time required for beneficial use of water
- ☒ Place of use or acres irrigated
- ☒ Map
- ☒ Signature (If applicant is corp., partnership, or municipality, title of signatory is required)
- ☒ Fee
- ☒ Yes ☐ No* In form to receipt

ADDITIONAL INFORMATION

- ☒ Overlapping place of use (Describe source & relationship to present application on the back.)
- ☒ Overlapping point of diversion
- ☐ Yes ☒ No Field check required
- ☐ Yes ☐ No Field report attached
- ☐ Yes ☒ No Critical groundwater area
- ☐ Yes ☒ No Groundwater management area
- ☐ Yes ☒ No Send dam safety information
- ☐ Yes ☒ No Send power requirement letter
- ☐ Yes ☒ No Send fish farm requirement letter
- ☐ Yes ☒ No Power residency affidavit
- ☐ Yes ☒ No Power efficiency form
- ☒ Yes ☐ No Within trustwater boundary (If yes, attach trust water supplementary analysis sheet.)
- ☐ Yes ☐ No Diversion greater than 5 cfs or 500 acre ft. (If yes, attach large diversion supplementary analysis sheet.)

See reverse side for additional information

*REQUEST THE FOLLOWING ADDITIONAL INFORMATION FROM THE APPLICANT

Ask For pump curve on new pump and hp also

Date Requested _____

PROCESSING

☒ Yes ☐ No In form for advertising
☐ Yes ☒ No Statewide advertising
☒ Yes ☐ No Fee amount, receipt date & No. recorded on application

State of Idaho

☐ Idaho Dept. of Health & Welfare ☐ U.S. BLM
☐ Idaho Dept. of Fish & Game ☐ U.S. Forest Service
☐ Idaho Dept. of Lands ☐ Water District
☐ Adjudication Bureau Unit ☒ Ted Sorenson

5203 S. 11th East
ID Falls, ID 83404
sent 8/24/98

FINAL REGIONAL PROCESSING REVIEW

☒ Yes ☐ No Affidavit of publication received
☒ Yes ☐ No Application published correctly. If not, record action taken

☒ Yes ☐ No Publication dates & paper, recorded on application
☒ Yes ☐ No Protests received
Final date for protest _____
☒ Yes ☐ No Protests, dates, resolution of protest, recorded on application
Recommendations attached ☒ No
Measuring device required ☒ No
Access port required ☒ No
Will water be delivered by watermaster? If yes, what Dist. ☒ No
Special conditions of approval or cover letter below.

Date of priority recommended _____

By: HLK

8-17-1998

Date: 10-28-1998

STATE OFFICE REVIEW

By _____

Date: _____

ADDITIONAL INFORMATION

Same PD + P.O.U. 95 Tr4277 / 32-07116

LOCAL PUBLIC INTEREST

Comments received from

_____ City	_____ Idaho Fish & Game	_____ Irrigation Dist.
_____ County	_____ Idaho Health & Welfare	_____ Canal Company
_____ Reservations	_____ Div. of Environment	_____ Other _____

Project impacts/implications report

COMMENTS

[illegible]



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
GOVERNOR

KARL J. DREHER
DIRECTOR

October 27, 1999

LAVAR NEWMAN
2941 N 800 E
MONTEVIEW ID 83435

RE: Withdrawal of protest on Application of Permit No. 32-07253

Dear LaVar:

This Department has received a withdrawal of protest from Birch Creek Ranches LLC.

Our office will continue to process your applications.

If you have any questions, please call our office.

Sincerely,

Harold W Jones
Water Rights Supervisor

HWJ/sc

MICROFILMED

DEC 08 1999



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
GOVERNOR

October 27, 1999

KARL J. DREHER
DIRECTOR

BIRCH CREEK RANCHES LLC
5203 S 11TH EAST
IDAHO FALLS ID 83404

RE: Withdrawal of protest on Permit No.: 32-07253

Dear Protestants:

This Department has received your withdrawal of protest against the application of LaVar Newman.

If you have any questions, please call our office.

Sincerely,

Harold W Jones
Water Rights Supervisor

HWJ/sc

MICROFILMED

DEC 08 1999

Birch Creek Ranches, L.L.C.

5203 South 11th East
Idaho Falls, Idaho 83404

Phone: (208) 522-8069
Fax: (208) 522-8223
e-mail: sorenson@ida.net

October 26, 1999

RECEIVED

OCT 27 1999

Department of Water Resources
Eastern District Office

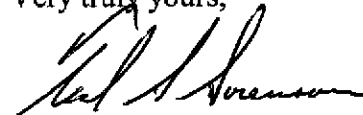
Harold W. Jones
Water Rights Supervisor
Department of Water Resources
900 North Skyline Drive
Idaho Falls, ID 83402-1718

Re: Lavar Newman Application
Permit Nos. 32-07253

Dear Mr. Jones:

This letter is written on behalf of Birch Power Company and Birch Creek Ranches, L.L.C. concerning the protest filed on 8/31/98. I understand the Application for Permit 32-07253 is for an additional 1.35 cfs for 2 wells located in Section 31 Township 12 North Range 29 East. The original permit is 32-07116 and may be amended by Transfer 4277. Apparently the original 1984 field exam showed a total of 4.35 cfs to be pumped. Accordingly, the application provided (1) that the total pumped from both wells (permits 32-07253, 32-07116, and Transfer 4277) operating does not exceed 4.35 cfs and (2) this is checked by a new field

Very truly yours,



Ted S. Sorenson

TSS/red

cc: Lavar Newman

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DEC 08 1999



State of Idaho

DEPARTMENT OF WATER RESOURCES

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

EASTERN REGION

PHILIP E. BATT
GOVERNOR

KARL J. DREHER
DIRECTOR

November 17, 1998

US DEPT OF INTERIOR
BUREAU OF LAND MANAGEMENT
RR2 BOX 610
SALMON ID 83467

RE: Withdrawal of protest on Application No.32-07253

Dear Protestants:

This Department has received your withdrawal of protest against the application of LaVar Newman.

If you have any questions, please call our office.

Sincerely,

Harold W Jones
Water Rights Supervisor

HWJ/sc

MICROFILMED

DEC 08 1999



State of Idaho
DEPARTMENT OF WATER RESOURCES

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

EASTERN REGION

PHILIP E. BATT
GOVERNOR

KARL J. DREHER
DIRECTOR

November 17, 1998

LAVAR NEWMAN
2941 N 800 E
MONTEVIEW ID 83435

RE: Withdrawal of protest on Application of a Permit
No. 32-07253

Dear Sir:

This Department has received a withdrawal of protest from Bureau of Land Management.

If you have any questions, please call our office.

Sincerely,

Harold W Jones
Water Rights Supervisor

HWJ/sc

MICROFILMED
DEC 08 1999



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Upper Columbia - Salmon Clearwater Districts
Lemhi Resource Area
Route 2, Box 610
Salmon, Idaho 83467

RECEIVED

NOV 16 1998

Department of Water Resources
Eastern Region

In Reply Refer To:

7250 (046)

November 12, 1998

Harold Jones
Department of Water Resources
900 N. Skyline Drive
Idaho Falls, ID 83402-1718

Mr. Jones:

The Bureau of Land Management (BLM) is hereby withdrawing the protest of water right filing **32-07253**, filed by LaVar Newman of Montevue, Idaho. The place of use at T12N R29E S32 SESW has been removed from Permit 32-07253 by the applicant.

BLM does not object to the current legal description on the permit.

Sincerely,

David E. Krosting
Area Manager

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DEC 08 1999



State of Idaho

DEPARTMENT OF WATER RESOURCES

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

EASTERN REGION

PHILIP E. BATT
GOVERNOR

KARL J. DREHER
DIRECTOR

October 26, 1998

Allen Bittner
c/o BLM
Rt 2 Box 610
Salmon ID 83467

Mr. Bittner:

The BLM has protested application 32-07253 in the name of LaVar Newman. The reason was an implied trespass of 2 acres in the SESW Sec 32 T12N R29E. Mr. Newman has come to our office and deleted that 2 acres from the application (see copy attached).

Also the same 2 acres have been deleted from the SRBA Adjudication claim #A32-07116. These acres were inadvertently included in the licensing process.

Hopefully this will satisfy the BLM and you will withdraw your protest of application #32-07253.

Sincerely,

Harold W Jones
Water Rights Supervisor

HWJ:sc

Enclosure

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DEC 08 1999



State of Idaho
DEPARTMENT OF WATER RESOURCES

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

EASTERN REGION

PHILIP E. BATT
GOVERNOR

KARL J. DREHER
DIRECTOR

October 19, 1998

BIRCH CREEK RANCHES LLC
5203 S 11TH EAST
IDAHO FALLS ID 83404

RE: Application for Permit No. 32-07253 - LaVar Newman

Dear Protestant:

Your protest against approval of the above referenced application has been received and a copy has been sent to the applicant. The Department suggests you contact the applicant directly in an effort to determine what is proposed by the application and to attempt to resolve the protest.

Unless this office is advised that either the matter has been resolved or there exists extenuating circumstances, our objective is to schedule a conference and/or hearing in the near future to consider the protest. At such a conference and/or hearing, the following are the principle items the Department can consider in their approving or denying the application (Idaho Code § 42-203) the following are the principle items the Department can consider in either approving or denying the applications for (Idaho Code § 42-203):

1. Will the proposed use reduce the quantity of water under existing rights?
2. Is the proposed water supply insufficient for the purpose intended?
3. Is the application made in good faith or for delay or speculative purposes?
4. Has the applicant sufficient financial resources with which to complete the project?
5. Will the proposed use under this permit conflict with the local public interest?
6. Is the proposed use contrary to conservation of water resources within the State of Idaho?

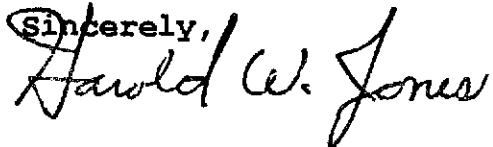
DEC 08 1999

Page 2

The protestant must be prepared to present proof of allegations involving one or more of the six items.

In addition, Rule 302 of the Department's Rules of Procedure requires a protestant to send a copy of the protest to the applicant in question.

If this office can be of further assistance, please contact us.

Sincerely,


HAROLD W. JONES
Water Rights Supervisor

HWJ:sc
pc: IDWR - State Office

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DEC 08 1999



State of Idaho
DEPARTMENT OF WATER RESOURCES

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

EASTERN REGION

PHILIP E. BATT
GOVERNOR

KARL J. DREHER
DIRECTOR

October 19, 1998

BUREAU OF LAND MANAGEMENT
RR2, BOX 610
SALMON ID 83467

RE: Application for Permit No. 32-07253 - LaVar Newman

Dear Protestant:

Your protest against approval of the above referenced application has been received and a copy has been sent to the applicant. The Department suggests you contact the applicant directly in an effort to determine what is proposed by the application and to attempt to resolve the protest.

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1. Will the proposed use reduce the quantity of water under existing rights?
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3. Is the application made in good faith or for delay or speculative purposes?
4. Has the applicant sufficient financial resources with which to complete the project?
5. Will the proposed use under this permit conflict with the local public interest?
6. Is the proposed use contrary to conservation of water resources within the State of Idaho?

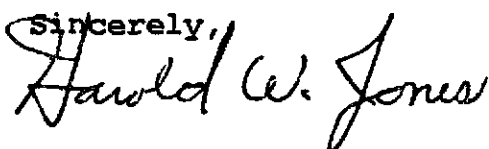
Page 2

The protestant must be prepared to present proof of allegations involving one or more of the six items.

In addition, Rule 302 of the Department's Rules of Procedure requires a protestant to send a copy of the protest to the applicant in question.

If this office can be of further assistance, please contact us.

Sincerely,

A handwritten signature in cursive script that reads "Harold W. Jones". The signature is written in dark ink and is positioned below the word "Sincerely,".

HAROLD W. JONES
Water Rights Supervisor

HWJ:sc

pc: IDWR - State Office

MICROFILMED

DEC 08 1999



State of Idaho

DEPARTMENT OF WATER RESOURCES

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

EASTERN REGION

PHILIP E. BATT
GOVERNOR

October 19, 1998

KARL J. DREHER
DIRECTOR

LAVAR NEWMAN
2941 N 800 E
MONTEVIEW ID 83435

RE: Application for Permit No. 32-07253

Dear Mr. Newman:

Enclosed is a copy of a protest filed against the issuance of the above referenced application. The Department suggests you contact the protestant directly in an effort to determine the nature of the protest and to attempt to resolve the protest.

Unless this office is advised that either the matter has been resolved or there exists extenuating circumstances, our objective is to schedule a conference and/or hearing in the near future to consider the protest. At a conference and/or hearing, the following are the principle items the Department can consider in either approving or denying the application for permit (Idaho Code § 42-203):

1. Will the proposed use reduce the quantity of water under existing water rights?
2. Is the proposed water supply insufficient for the purpose intended?
3. Is the application made in good faith or for delay or speculative purposes?
4. Has the applicant sufficient financial resources with which to complete the project?
5. Will the proposed use conflict with the local public interest?
6. Is the proposed use contrary to conservation of water resources within the State of Idaho?

The applicant must be prepared to present evidence and/or testimony addressing each of the six items. Although representation by legal counsel is not mandatory at a proceeding before the Department, you may retain an attorney in your behalf.

MICROFILMED

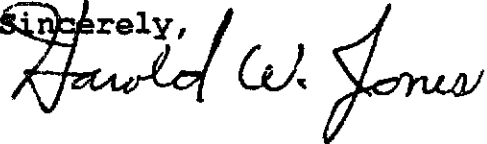
DEC 08 1999

~ Celebrating Our Centennial Year of Service to Idaho 1895-1995 ~

Page 2

If this office can be of further assistance, please contact us.

Sincerely,

A handwritten signature in cursive script that reads "Harold W. Jones". The signature is written in dark ink and is positioned below the word "Sincerely,".

HAROLD W. JONES
Water Rights Supervisor

HWJ:sc

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DEC 08 1999

Receipt # 24441

Birch Creek Ranches, L.L.C.

5203 South 11th East
Idaho Falls, Idaho 83404

*Tel 208-522-8069
fax 208-522-8223*

9/10/98

10:05 AM

Harold W. Jones
Water Right Supervisor
Department of Water Resources
900 N. Skyline Dr.
Idaho Falls, ID 83402-1718

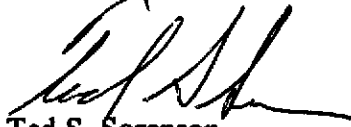
RE: APPLICATION FOR PERMIT NO 32-07253

Dear Mr. Jones:

This letter is written to protest this application on behalf of Birch Power Company and Birch Creek Ranches, L.L.C. We own water rights below this proposed diversion. We believe this diversion effects our water rights below. We note this application is made as some sort of amendment to Water Right 32-07116 and Transfer 4277. We do not know how much each of these wells pump, but we do know, however, that each well has been pumped at the same time this year. We are, therefore, protesting.

Enclosed is a \$25.00 filing fee.

Very truly yours,



Ted S. Sorenson

TSS:mjm
cc: Kent Foster
LaVar Newman

MICROFILMED
DEC 08 1998

**NOTICE OF APPLICATION FOR
TRUST WATER RIGHT**

32-07253

NEWMAN, LAVAR

2941 N 800 E

MONTEVIEW, ID 83435

Source: GROUNDWATER

Diversion Pt. SENW Sec 31 T 12N

R 29E in LEMHI County,

SESE Sec 31 T 12N R 29E in LEMHI

County.

Use: IRRIGATION (1.350 CFS)

Total Diversion: (1.350 CFS)

Date Filed: 8/17/1998

In: LEMHI County

T11N R29E S05 Lot 3 (NENW) Lot

4 (NW/4) SENW

S06 Lot 1 (NENE)

T12N R29E S31 NENW SENW

NESW/NESE

NWSESW/SESE

S32 SWSW/SESW

350.0 ACRES TOTAL

The permit (s) will be subject to all prior water rights. Protests may be submitted based on the criteria of Sec. 42-203A, Idaho Code and/or the new public interest criteria of Sec. 42-203C, Idaho Code. Protests must be filed with the applicant and the Director, Dept. of Water Resources, along with a \$25.00 filing fee, 900 N. Skyline Dr., Idaho Falls, ID, 83402, on or before SEPTEMBER 21, 1998.

KARL J. DREHER, Director

Published: 9-3-1998 & 9-10-1998

9-3-2tc

Affidavit of Publication

STATE OF IDAHO

ss.

County of Lemhi

RICKY G. HODGES being first duly sworn, deposes and says he is one of the publishers (printers) of The Recorder Herald, a newspaper published weekly at Salmon, Lemhi County, Idaho, and of general circulation therein. That the APPLICATION FOR TRUST WATER RIGHT

32-07253

a true printed copy of which is attached to the margin hereof, has been and was correctly printed and published in the regular and entire issue of every number of said newspaper and not in any supplement thereof or thereto, for Two(2) consecutive issues, commencing with the issue dated 9-3-1998 and ending with the issue dated 9-10-1998.

STATE OF IDAHO
County of Lemhi

ss.

On this 10th day of September in this year of 1998 before me, A Notary Public, personally appeared RICKY G. HODGES, known or identified to me to be the person whose name subscribed to the within instrument, and being by me first duly sworn, declared that the statements therein are true, and acknowledged to me that he executed the same.

Residing At Salmon, Idaho

Notary Public for Idaho

My Commission expires: 9-21-2001

Publication Fee \$ 50.16

Account No. 630

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OCT 16 1998

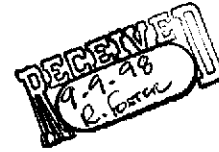
Department of Water Resources
Eastern Region



Receipt # E024439

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Upper Columbia - Salmon Clearwater Districts
Lemhi Resource Area
Route 2, Box 610
Salmon, Idaho 83467



In Reply Refer To:

7250 (046)

September 9, 1998

Idaho Department of Water Resources
206 Van Dreff Street
Salmon, ID 83467

Idaho Department of Water Resources:

The Bureau of Land Management (BLM) is hereby protesting new water right filing 32-07253, filed by Lavar Newman of Montevue, Idaho. The BLM objects to the following:

T12N R29E S32 SESW
Place of use is on BLM land.

The BLM has not authorized any use of water within the above described legal.

Sincerely,

Stephane Snook

for David E. Krosting
Area Manager

RECEIVED

SEP 11 1998

Department of Water Resources
Eastern Region

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2 41.79

3 41.87

30

29

4 41.94

1 014728
Recon US
All Min

1 42.05

2657
12.5'

2 42.20

3 42.34

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31

1 2017
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11650062
D/C

4 42.49

BL 053996
200' Hwy

D/C R/W

BL 055039
Met S

H 07393
100'

D/C

32

1 2017
12.5'

1 2017 12.5'

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DEC 8 1989

ID1 30282
8' Buried

T12N; R29E



State of Idaho

DEPARTMENT OF WATER RESOURCES

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

EASTERN REGION

PHILIP E. BATT
GOVERNOR

KARL J. DREHER
DIRECTOR

AUGUST 25, 1998

Legal Notices Department
RECORDER-HERALD
P.O. BOX 310
SALMON, ID 83467

Gentlemen:

Enclosed you will find a legal notice which we wish to have published on the dates indicated (once a week for two consecutive weekly issues) in your newspaper. If you cannot publish the notice on the proposed dates, please contact us immediately.

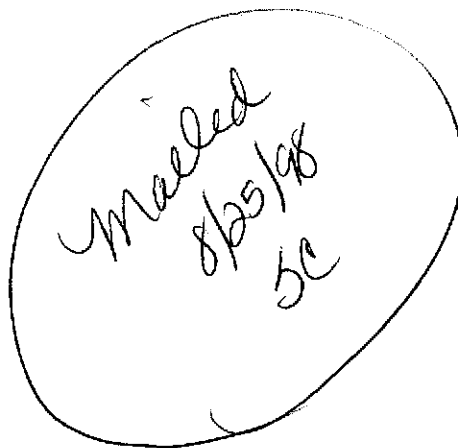
An affidavit of publication must be submitted to the Department along with the publication bill. Your cooperation is appreciated.

Please send the affidavit of publication and publication billing to this office before SEPTEMBER 21, 1998.

Yours truly,

Sharla Cox
Secretary

Encl.



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DEC 08 1999

NOTICE OF APPLICATION FOR TRUST WATER RIGHT

32-07253

NEWMAN, LAVAR
2941 N 800 E
MONTEVIEW, ID 83435

Source: GROUNDWATER

Diversion Pt: SENW Sec 31 T 12N R 29E in LEMHI County.
 SESE Sec 31 T 12N R 29E in LEMHI County.

Use: IRRIGATION (1.350 CFS)
 Total Diversion: (1.350 CFS)

Date Filed: 8/17/1998

In: LEMHI County
 T11N R29E S05 Lot 3 (NENW) Lot 4 (NWNW) SENW
 S06 Lot 1 (NENE)
 T12N R29E S31 NENW SENW NESW NESE
 NWSE SWSE SESE
 S32 SWSW SESW

350.0 ACRES TOTAL

The permit(s) will be subject to all prior water rights. Protests may be submitted based on the criteria of Sec. 42-203A, Idaho Code and/or the new public interest criteria of Sec. 42-203C, Idaho Code. Protests must be filed with the applicant and the Director, Dept. of Water Resources, along with a \$25.00 filing fee, 900 N. Skyline Dr., Idaho Falls, ID, 83402, on or before SEPTEMBER 21, 1998.

KARL J. DREHER, Director

Published: 9/ 3/1998 & 9/10/1998

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State of Idaho

DEPARTMENT OF WATER RESOURCES

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

EASTERN REGION

PHILIP E. BATT
GOVERNOR

KARL J. DREHER
DIRECTOR

August 24, 1998

TED SORENSON
5203 S 11TH EAST
IDAHO FALLS ID 83404

RE: Application for Permit No. 32-07253

Dear Ted:

We are enclosing a copy of the application (s) that may be of interest to your department. Please review the application (s) and submit any comments you may have to our Department as soon as possible. The last date of protest is Sept 21, 1998, and we are required to take final action shortly thereafter.

If we may be of further assistance, please feel free to contact us.

Respectfully submitted,

Harold W. Jones
Water Right Supervisor

HWJ:sc
enc.

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State of Idaho

DEPARTMENT OF WATER RESOURCES

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

EASTERN REGION

PHILIP E. BATT
GOVERNOR

August 24, 1998

KARL J. DREHER
DIRECTOR

LAVAR NEWMAN
2941 N 800 E
MONTEVIEW ID 83435

RE: Application for Permit #32-07253

Dear Applicant:

This office is currently in the process of advertising the application in the Recorder Herald on September 3 and 10, 1998. The advertisement will be published once a week for two consecutive weeks, and a period of ten days following the second publication will be allowed for the submittal of protests.

If the application is protested, you will be sent a copy of the protest. The protest must be resolved before the application is approved or denied. If the protest is not resolved voluntarily, this Department will conduct a conference and/or hearing on the matter.

Please feel free to contact this office if you have any questions regarding this procedure.

Sincerely,

Harold W. Jones
Water Right Supervisor

HWJ::sc

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TO: Greg Shenton, Watermaster

FROM: D.G. Cole
U.S. Geological Survey, Idaho Falls Field Office

SUBJECT: Discharge measurements made on Birch Creek to determine bed loss.
Measurements made by U.S.G.S. Idaho Falls field office, July 13, 1998.

Here is a work-up in sequential order of the measurements we made for you on Birch Creek on July 13, 1998. We have listed the measured cfs, the loss in cfs between measuring sites, and the total cumulative losses in sequence in cfs. Descriptions and listings follow.

Measurement Sequence/Time	Station Name	Measured CFS	Loss From Prev. Site (CFS)	Total Accumulative Loss (CFS)
AA	Weir at Simmon's ranch near Blue Dome: 20' weir at gage height 1.08=Q 74.3, 3' weir at gage height 0.44=Q 2.83, total Q =77.13 cfs (as determined by weir measurements)			
	Water being diverted through 4' rectangular weir between site AA and site B: gage height = 0.44, Q =3.80 cfs (as determined by weir measurement.)			
B @ 0740	13-1170.24 Birch Creek at John Day grave site	65.2	8.1	8.1
C @ 0853	13-1170.25 Birch Creek at Allotment	57.2	8.0	16.1
D @ 0950	13-1170.26 Birch Creek abv. first F & G "K" dam	56.2	1.0	17.1
E @ 1100	13-1170.28 Birch Creek blw. 15 th F & G "K" dam	53.1	3.1	20.2
F1 @ 1150	13-1170.30 Birch Creek abv. Eight-mile Canyon Rd. (and abv. liner)	52.8	0.3	20.5
G @ 1300	13-1170.35 Birch Creek abv. Power Company pond	52.2	0.6	21.1

Total loss from site B to site F1 is 12.4 cfs. This is that portion of the measured section above the channel liner.

Total loss from site F1 to site G, or over the measured section of the liner, is 0.6 cfs.

Total loss from site AA to site G (less Wagoner weir) is 21.1 cfs.

Miscellaneous measurement made at Birch Creek Feeder at third cow crossing yielded 52.6 cfs.

Please refer to this office if there are any questions. All measurements were made with a Price AA S-70 meter using standard U.S.G.S. measuring procedures.

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DEC 0 8 1999

USM V_ View Usq_Dtl_i USg_qty svc_LD_prfl cUs grmT usG_adj +
 CSS 08-05-1998
 S10729 SELECT METERED USAGE HISTORY 12:40:23

Service ID 432666767 001 (50) HP PUMP NICHOLIA #9
 Site Addr 922 NEWMAN MONTEVIEW ID 83435
 Agrmt # 65590736 001 006 LAVAR NEWMAN

Seasonal ? Y

Usage Details										Invoice Amt		
Mo	T	S	Cyc	Read	Date/Dys	R	KW	KW	Usg	KWH	KWH Usg	Invoice Amt
07			02	07-01-1997	28	I	76		122	3068	72480	2182.29
06			02	06-03-1997	33	I	76		122	2615	1760	92.77
05			02	05-01-1997	29	I	0		0	2604	0	
04			02	04-02-1997	33	I	0		0	2604	0	
03			02	02-28-1997	25	S	0		0	2604	0	
01			02	02-03-1997	03	S	0		0	2604	0	
02			02	01-31-1997	29	S	0		0	2604	0	
12			02	01-02-1997	30	S	0		0	2604	0	
11			02	12-03-1996	64	S	0		0	2604	0	
10			02	09-30-1996	27	I	76		122	2604	21920	949.66
09			02	09-03-1996	33	I	76		122	2467	76480	3840.94
08			02	08-01-1996	34	I	76		122	1989	64000	3397.06
07			02	06-28-1996	27	I	76		122	1589	49920	2663.46
Average									122		47760	1009.71

IAA005 View successful.

MICROFILMED

DEC 08 1999

JUSM V_ View Usq_Dtl_i USg_qty svc_LD_prfl cUs grmT usG_adj +
 ----- CSS ----- 08-05-1998
 S10729 SELECT METERED USAGE HISTORY 12:38:57

Service ID 432666767 001 150 HP PUMP NICHOLIA #9

Site Addr 922 NEWMAN MONTEVIEW ID 83435

Agrmt # 65590736 001 006 LAVAR NEWMAN

Seasonal ? Y

Usage Details											
Mo	T	S	Cyc	Read	Date/Dys	R	KW	KW Usq	KWH	KWH Usq	Invoice Amt
			0	06-01-1996	00	I	0		1277		
-	11		02	11-01-1995	28	I	0	0	0	0	
-	10		02	10-04-1995	33	I	76	122	1277	69440	
-	09		02	09-01-1995	28	I	76	122	843	74560	
-	08		02	08-04-1995	21	I	76	122	377	60320	
-	08		02	07-14-1995	08	I	150	120	18467	14800	
-	07		02	07-06-1995	06	I	150	120	18282	11360	
-	06		02	06-30-1995	25	I	0	0	18140	0	
-	06		02	06-05-1995	28	I	0	0	18140	0	
-	11		02	11-03-1994	30	I	0	0	18140	0	
-	10		02	10-04-1994	33	I	0	0	18140	0	
-	09		02	09-01-1994	29	I	108	86	18140	23920	

Average

115

42400

IAA005 View successful.

MICROFILMED

DEC 08 1999

JUSM V_ View UsG Dtl i USG_qty svc_LD_prfl cUs grmT usG_adj +
 S10729 08-05-1998 12:38:28

SELECT METERED USAGE HISTORY

Service ID 432666767 001 150 HP PUMP NICHOLIA #9

Site Addr 922 NEWMAN MONTEVIEW ID 83435

Agrmt # 65590736 001 006 LAVAR NEWMAN

Seasonal ? Y

Usage Details										Invoice Amt			
Mo	T	S	Cyc	Read	Date/Dys	R	KW	KW	Usg	KWH	KWH	Usg	Invoice Amt
07			02	07-06-1998	35	I	76		122	4030	20160		1231.89
06			02	06-01-1998	28	I	0		0	3904	0		16.65
04			02	05-04-1998	02	S	0		0	3904	0		1.08
03	E		02	05-02-1998	30	S	0		0	3904	0		
03			02	04-02-1998	29	S	0		0	3904	0		
02			02	03-04-1998	29	S	0		0	3904	0		
01			02	02-03-1998	61	S	0		0	3904	0		
12			02	12-04-1997	30	O	0		0	3904	0		
11			02	11-04-1997	04	O	0		0	3904	0		
11	D		02	10-31-1997	27	O	0		0	3904	0		14.55
10			02	10-04-1997	30	O	76		122	3904	34080		1258.49
09			02	09-04-1997	31	I	76		122	3691	47040		1750.29
08			02	08-04-1997	34	I	76		122	3397	52640		1823.59
							Average		122		38480		468.96

IAA005 View successful.

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JUSM V View Usq_Dtl_i USg_qty svc_LD_prfl cUs grmif usG_adj +
 S10729 SELECT METERED USAGE HISTORY 08-05-1998 12:32:06

Service ID 674109680 001 75 HP PUMP NICHOLIA #9A

Site Addr 18032 DUBOIS DUBOIS ID 83423

Agmt # 65590736 001 009 LAVAR NEWMAN

Seasonal ? Y

Usage Details										Invoice Amt			
Mo	T	S	Cyc	Read	Date/Dys	R	KW	KW	Usg	KWH	KWH	Usg	Invoice Amt
07			02	07-06-1998	35	I	6957		70	39663		13072	772.71
06			02	06-01-1998	27	M	1		0	26591		0	15.00
04	E		02	05-05-1998	01	S	0		0	26591		0	
04			02	05-04-1998	32	S	0		0	26591		0	
03			02	04-02-1998	29	S	0		0	26591		0	
02			02	03-04-1998	29	S	0		0	26591		0	
01			02	02-03-1998	66	S	0		0	26591		0	
12			02	11-29-1997	29	O	0		0	26591		0	
12	D		02	10-31-1997	02	O	0		0	26591		0	1.08
11			02	10-29-1997	29	I	0		0	26591		0	16.17
10			02	09-30-1997	26	I	6930		69	26591		21745	852.49
09			02	09-04-1997	31	I	6939		69	4846		27702	1176.63
08			02	08-04-1997	34	I	6978		70	77144		22820	1045.14
							Average		70			21335	298.40

IAA005 View successful.

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DEC 08 1999

JUSM V_ View Usq_Dtl_inq USg_qty svc_LD_prfl cUst_grmT usG_adj +
 ----- CSS ----- 08-05-1998
 S10729 SELECT METERED USAGE HISTORY 12:32:39

Service ID 674109680 001 75 HP PUMP NICHOLIA #9A

Site Addr 18032 DUBOIS DUBOIS ID 83423

Agrmt # 65590736 001 009 LAVAR NEWMAN

Seasonal ? Y

Usage Details													
Mo	T	S	Cyc	Read	Date/Dys	R	KW	KW	Usg	KWH	KWH	Usg	Invoice Amt
07			02	07-01-1997	28	I	6942		69	54324		43418	1444.32
06			02	06-03-1997	15	I	6822		68	10906		1100	59.58
	0			05-19-1997	00	0	0			9806			
05			02	05-01-1997	29	0	0		0	9806		0	
04			02	04-02-1997	33	0	0		0	9806		0	
03			02	02-28-1997	28	0	0		0	9806		0	
02			02	01-31-1997	**	0	0		0	9806		0	
	C			09-28-1996	25	S	6731		67	9806		11988	517.63
09			02	09-03-1996	33	I	6766		68	97818		39047	2188.88
08			02	08-01-1996	34	I	7013		70	58771		32384	1967.09
07			02	06-28-1996	27	I	7000		70	26387		28171	1655.03
	0			06-01-1996	00	I	0			98216			
11			02	11-01-1995	28	I	0		0	0		0	
Average									69			26018	712.05

IAA005 View successful.

MICROFILMED

DEC 08 1998

JUSM V_ View Usq_Dtl_inq USg_qty svc_LD_prfl cUst_grmT usG_adj +
----- CSS ----- 08-05-1998
S10729 SELECT METERED USAGE HISTORY 12:33:01

Service ID 674109680 001 75 HP PUMP NICHOLIA #9A
Site Addr 18032 DUBOIS DUBOIS ID 83423
Agrmt # 65590736 001 009 LAVAR NEWMAN Seasonal ? Y
----- Usage Details -----
Mo T S Cyc Read Date/Dys R KW KW Usq KWH KWH Usq Invoice Amt
- 10 02 10-04-1995 33 I 6954 70 98216 25831
- 09 02 09-01-1995 28 I 7146 71 72385 22645
- 08 02 08-04-1995 30 I 7442 74 49740 49740

IAA005 View successful.

Average

72

32739

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State of Idaho

DEPARTMENT OF WATER RESOURCES

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

EASTERN REGION

PHILIP E. BATT
GOVERNOR

KARL J. DREHER
DIRECTOR

JULY 27, 1998

LAVAR NEWMAN
2941 N 800 E
MONTEVIEW ID 83435

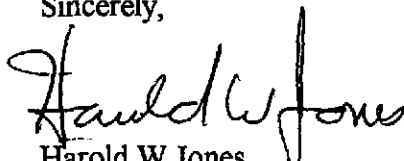
Mr. Newman:

Enclosed is a copy of a letter of concern from Ted Sorenson. I will need confirmation from you that condition no. 7 of transfer #4277 has been followed (see copy enclosed).

Condition no. 7 states that "The total instantaneous diversion of water from all points of diversion under transfer #4277 shall not exceed 3.00 cfs".

You may submit actual measurements, system design or motor hp, pumping depth and mainline pressure of both wells. I will need a reply within 14 days of receipt of this letter.

Sincerely,


Harold W Jones
Water Rights Supervisor

HWJ:sc

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Birch Creek Ranches, L.L.C.

5203 South 11th East
Idaho Falls, Idaho 83404
Tel 208-522-8069
fax 208-522-8223

RECEIVED

JUL 13 1998

Department of Water Resources

July 10, 1998

Via Fax (208) 327-7900

Karl Dreher, Director
Idaho Department of Water Resources
Statehouse Mail
1301 North Orchard Street
Boise, ID 83720

Re: 1) Well Water Right # 32-07116, Maximum Diversion Rate 3.00 cfs 1050 A.F.
2) Transfer # 4277

Dear Mr. Dreher:

The above two rights apply to two wells immediately upstream and above the source springs for Birch Creek. We have experienced a drop in Birch Flow coincident with upstream irrigation by the owner of the wells - LaVar Newman. Transfer 4227 was for a new well to supplement the flows under right # 32-07116. There was to be no increase in the maximum diversion of 3.0 cfs from all wells.

The permit 32-07116 and transfer 4277 show each to pump 3.0 cfs. On Thursday, July 9, 1998, I observed both wells in operation.

Therefore, I request that IDWR as soon as possible:

1. Verify the pump capacity of each well.
2. Insure that the total pump rate of both wells does not exceed the permitted rate of 3.0 cfs.

Very truly yours,



Ted S. Sorenson

mo:\msoffice\winword\july10.idw

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RECEIVED

JUL 17 1998

Department of Water Resources
Eastern Region

Report on Pumping Plant Efficiency Evaluation

Lavar Newman
Montevieu, Idaho

General

A pumping plant efficiency evaluation was conducted at the Lavar Newman farm in Lemhi County, Idaho on July 11, 1984. The test was conducted to determine current system efficiency and evaluate methods of reducing future energy consumption. The pump test was conducted by the Idaho Department of Water Resources through its technical assistance program on agricultural/irrigation efficiency funded by the Bonneville Power Administration and the U.S. Department of Energy.

Description of Pumping Plant and Irrigation System

The pumping plant is located in the SE $\frac{1}{4}$ of SE $\frac{1}{4}$, Sec. 31, T12N, R29E, Lemhi County, Idaho. The plant consists of one 150 hp Johnson turbine pump and a 150 hp General Electric motor with energy consumption measured by one meter at the site. Water is discharged to a mainline serving 13 one-fourth mile handline sprinkler laterals. The discharge pipe is 10 inches in diameter and contains a "Y" section connected to the northwest to southeast running mainline, approximately 5.4 feet from the pump.

Methods and Procedures

Flow measurements were obtained using a 10 inch Dover annubar. The annubar was connected on a straight run section of discharge pipe approximately 5 feet from the pump. Discharge pressure was measured using a liquid filled pressure gauge located approximately 3.6 feet from the pump. Input power was calculated by timing the revolutions of the electric meter disc.

Results

Detailed computations for flow and power measurements are presented in the appendix. Results of the pump efficiency test are shown as follows:

SUMMARY OF PUMPING PLANT EFF. TEST OWNER OF PUMP(S): LAVAR NEWMAN

PUMPING UNIT	RATED HP	RATED Q (GPM)	OPERATING STATUS	Q (GPM)	DIS.PRESS (PSI)	TCH (FT)	WHP (HP)	IHP (HP)	EFF (%)
MAIN ONLY	150	2000	MAIN ONLY	1953.9	53.0	183.4	90.5	156.6	57.8

Summary and Recommendations

The pump efficiency test was conducted to identify potential changes that could be considered which will result in annual energy savings. It is not a complete system analysis and hydraulic evaluation. It is hoped that the results of this test and recommendations will provide information to the pump owner/irrigator in making some decisions to reduce electrical energy consumption. The following is a summary of the test and our recommendations.

1. The test indicated that the pumping unit was performing at 57.8% efficiency assuming a motor efficiency of 92%. Based on some pump performance standards of electrically powered pumps, the unit is presently operating at low efficiency.
2. Inefficiency of the pumping plant could be caused by several factors such as worn out impellers, improper impeller adjustments, changes made on the system, etc. Low efficiency of this pump could be the result of any or all of these problems. It was not possible to compare the present performance of the pump with the manufacture's specifications since the original pump curve was unavailable.
3. Assuming that the pumping plant efficiency could be improved to an efficiency of 74% (which assumes a motor

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efficiency of 92% and a pump efficiency of 80%) approximately 50,000 Kwh could be saved over a 2000 hr. operating season. With an energy cost of \$.03/Kwh this represents an annual energy cost savings of about \$1500/yr. This cost savings however must be compared with the cost of adjustment/repair required on the pump. Please note the following three tables also located in the appendix
1) pump test summary information, 2) annual pumping information and estimated energy savings and 3) summary of energy savings.

If the energy savings seem significant to the pump owner, it is suggested that the pumping unit be adjusted/repared by a qualified pump technician so that the pump will operate at the highest attainable efficiency.

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DEC 08 1993 -4-

APPENDIX

1
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DEC 08 1999

PUMP TEST SUMMARY

OWNER OF PUMP: LAVER LENDAA
PUMPING UNIT NO. 1

TOTAL DYNAMIC HEAD:

- A) PUMPING WATER LEVEL 61.00FT (WATER LEVEL TO CENTER OF DISCHARGE PIPE)
- B) HEIGHT OF PRESSURE GAUGE 0.00FT (DISCHARGE PIPE TO GAUGE)
- C) FRICTION LOSS 0.00FT (INTAKE TO GAUGE)
- D) DISCHARGE PRESSURE 122.40FT

TOTAL DYNAMIC HEAD (A+B+C+D)= 183.40FT

FLOW MEASUREMENT:

- A) COLLINS METER 0.00GPM
- B) ANNUBAR AND EAGLE EYE METER 1953.86GPM

INPUT HORSEPOWER:

KW= 5. REV X 0.60KH X 160.00CTR X 1.00PTR X 3.6 / 14.80SEC= 116.76

HP= 156.45

OUTPUT HORSEPOWER :

HP= 1953.86GPM X 183.40TDH / 3960= 90.49

PLANT EFFICIENCY:

EFF= OUTPUT HP / INPUT HP X 100= 57.84%

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ESTIMATED ENERGY SAVINGS
OWNER OF PUMP: LAVAR NEWMAN

PUMP NO 1
(150-HP MAIN ONLY)

PRESENT PUMPING PLANT EFF. (%)	57.8
ASSUMED ELEC. MOTOR EFF. (%)	92.0
CALCULATED EFF. OF PUMP (%)	62.9
ASSUMED EFF. OF IMPROVED PUMP (%)	80.0
ASSUMED ATTAINABLE PLANT EFF. (%)	73.6
POWER INPUT (KW):	
@ PRESENT EFFICIENCY	116.8 (156.6 HP)
@ IMPROVED EFFICIENCY	91.7 (122.9 HP)
ASSUMED PUMP OPERATION (HR/YR)	2000.
ESTIMATED ENERGY SAVINGS (KWH/YR)	50076.
(\$/YR @ 3.0 CENTS/KWH)	1502.
TOTAL KWH SAVINGS -----	50076.
TOTAL COST SAVINGS -----	1502.

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SUMMARY OF ENERGY SAVINGS

OWNER OF PUMP(S): LAVAR NEWMAN

PUMP UNIT #	PRESENT PUMP PLT EFF. (%)	ASSUMED POTENTIAL PLT EFF (%)	POWER INPUT		KWH SAVINGS
			@ PRESENT EFF	& NEW EFF	
NO. 1 MAIN ONLY	57.8	73.6	116.8	91.7	50076.

TOTAL KWH SAVED ----- 50076. KWH/YR

TOTAL COST SAVINGS @ \$ 0.030/KWH ----- \$ 1502./YR

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WATER-HOUR METER DATA

Manufacturer Westinghouse
 Type D2A-2M
 Model No. D2.5P 31837
 Serial No. 49 291 949
 Rated Voltages 120
 Rated Amperages _____
 Disc Constant, K_h 0.6 kw-hr/rev
 Potential Transformer Ratio, PTR 1.0
 (Supply Voltage _____ Device Voltage _____)
 Current Transformer Ratio, CTR 160

<u>Trials</u>	<u>N</u>	<u>T</u>
1	<u>5</u>	<u>14.8</u>
2	<u>5</u>	<u>14.8</u>
3	_____	_____
4	_____	_____
5	_____	_____
Average	<u>5</u>	<u>14.8</u>

$$K_w = \frac{3.6 \times K_h \times CTR \times PTR \times N}{T}$$

$$H_p = K_w / 0.746$$

Where N = Disc revolutions
 T = Time in seconds

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FLOW MEASUREMENT USING ANNUBAR/EAGLE EYE METER

PUMPING UNIT: Lavar Newman

Measured inside diameter of pipe in inches (A) 9.78

Size of Annubar used in test 10.02 in.

State ID# of meter used _____

Size Eagle Eye meter used _____

State ID# of meter used _____

Date of Last Calibration of meter _____

Observed inches of H₂O read on meter _____

Adjusted inches of H₂O from last calibration (B) 28.5

CALCULATION:

$$Q = \frac{(3.85) \times (A)^2 \times \sqrt{(B)}}{448.8} = \text{_____ cfs}$$

1954 gpm

Where A and B are measured in inches
and 3.85 is a constant for the Model
75 Annubar

Remarks: Pressure measured at 53 psi

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