

Verli-Line PUMP

DATED FEBRUARY 1973

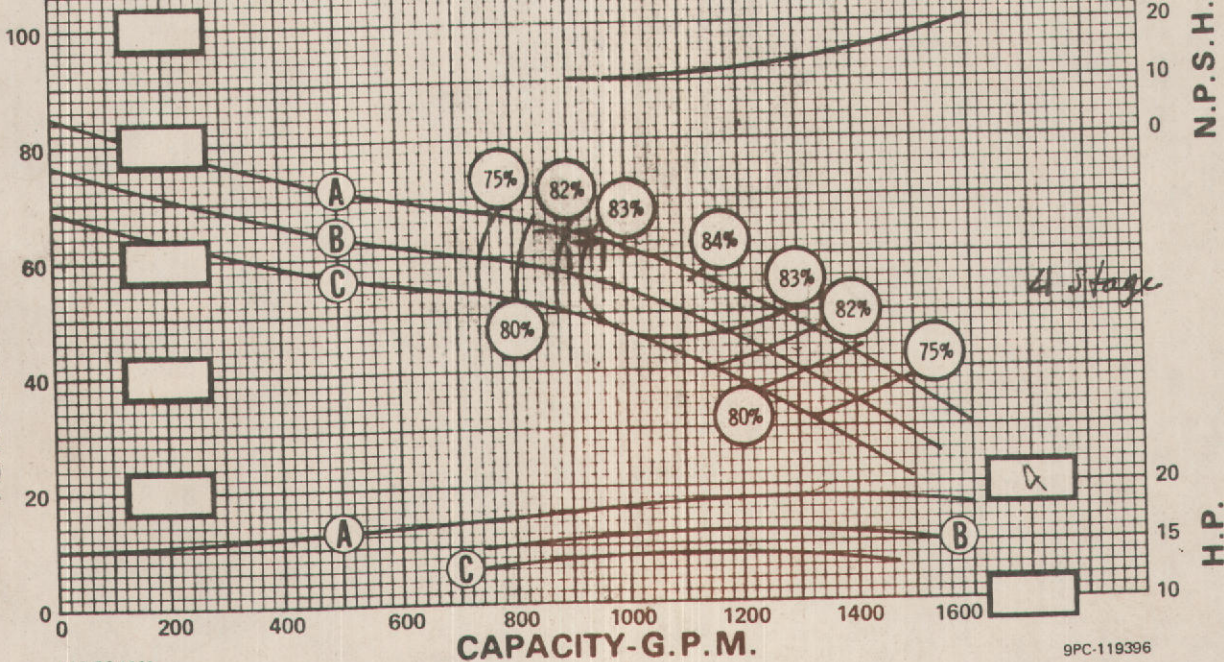
SUPERSEDES PAGE 563
DATED JULY 1972

12RM

MAX. SPHERES - 3/4
IMP. PATT. NO. - 12RM
BOWL PATT. NO. - 12R4
O.D. BOWLS - 11-3/8 K = 11.7
O.D. SUCT. BELL (opr.) 13

Chg. Effic. As Follows	No. of Points %	No. of Stages
Lower	3	1
Lower	1	2
Raise	0	4
Raise	1	6

TOTAL DYNAMIC HEAD-FEET



L&B-PC-1232

CAPACITY-G.P.M.

MAX. SPHERES - 3/4
IMP. PATT. NO. - 12RM
BOWL PATT. NO. - 12R4
O.D. BOWLS - 11-3/8 K = 11.7

Chg. Effic. As Follows	No. of Points %	No. of Stages
Lower	3	1
Lower	1	3

Well #1

MICROFILMED

SEE WR# 35-02728 FOR COMPLETE
24 PAGES OF DOCUMENT. 4-15-93

BEFORE THE DEPARTMENT OF WATER RESOURCES
OF THE STATE OF IDAHO

IN THE MATTER OF APPLICATIONS)
FOR TRANSFER BY BLAINE LARSEN)
AND BLAINE LARSEN FARMS, INC.)
OF WATER RIGHT AND CLAIM NOS.)
35-02821B, 35-02728, 35-02844, 35-7361,)
35-07632, A35-10948, 36-02727, 35-07495,)
35-07605, 35-07586, 36-02398B, 36-07022,)
36-02632, 36-07272, 36-07897, 36-02300,)
36-07015A, 36-02074B, 36-02198B, 36-02122B,)
36-02124B, 36-02127B, 36-02190B, 36-02193B,)
36-02195B, 36-02197B, AND APPLICATION)
FOR AMENDMENT OF PERMIT NO.)
36-7883(Part).)

MEMORANDUM DECISION
AND ORDER

Blaine Larsen and Blaine Larsen Farms, Inc. (Larsen) filed applications to transfer or amend a total of 27 separate water rights and permits to allow use of ground water for irrigation of lands near Hamer, Idaho for the 1993 irrigation season. Notices describing these applications were published in the South Idaho Press, Burley, Idaho; Times-News, Twin Falls, Idaho; Post-Register, Idaho Falls, Idaho; Lewiston Morning Tribune, Lewiston, Idaho; Morning News, Blackfoot, Idaho; Rigby Star, Rigby, Idaho; Lincoln County Journal, Shoshone, Idaho; and Idaho Statesman, Boise, Idaho.

Protests against the granting of the proposed transfers and permit amendment were filed by the Idaho Department of Fish and Game (Fish and Game); Owsley Canal Company, Jackett Canal Company, Holley Water Users, Jefferson Irrigation Company,

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

License of Water Right No. 35-7631 Priority August 3, 1976 Amount 5.04 cfs

THIS IS TO CERTIFY, that LeGRANDE R. WILLIAMS
of Blackfoot, Idaho, has complied with the terms and conditions of Permit
No. 35-7631 issued pursuant to Application for Permit dated August 3, 1976,
and has submitted proof to the Department of Water Resources on November 9, 1977,
that he has applied water to a beneficial use; an examination by the Department indicates that the works have a
capacity for the diversion of 5.04 cfs of water from a groundwater source,
tributary to _____, and that the permit holder has applied to a beneficial use and
established a right to use water as follows:

Beneficial Use	Period of Use	Rate of Diversion	Annual Volume
<u>Irrigation</u>	from <u>April 1</u> to <u>November 1</u>	at <u>5.04</u> cfs and	<u>1088.5</u> acre feet
	from _____ to _____	at _____ cfs and	_____
	from _____ to _____	at _____ cfs and	_____

(both dates inclusive)

Subject, however, to the condition that no more than 5.04 cfs of water be diverted at any one time, and
that the amount of water so diverted and to which such right is entitled and confirmed is for the purpose
aforementioned and is limited to the amount which can actually be beneficially used and shall not exceed
1088.5 acre feet per year, said waters to be diverted within the SW $\frac{1}{4}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 14,
Twp. 2S, Rge. 33E, B.M. in the County of Bingham

Description and location of place of use:

Twp.	Range	Sec.	NE $\frac{1}{4}$				NW $\frac{1}{4}$				SW $\frac{1}{4}$				SE $\frac{1}{4}$				Totals
			NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	
2S	33E	14									40	39	38	39	39	40	38	38	311

Total number of acres irrigated 311

NOTE: Modifications to or variance from this license must be made within the limits of Section 42-222, Idaho Code, or the applicable Idaho Law. This right may be forfeited by five years of non-use.

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

Witness the seal and signature of the Director, affixed at Boise, Idaho, this 27 day of

February, 19 81.

Director

RECEIVED

SEP 30 1977

Department of Water Resources
Eastern District Office

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

APPLICATION FOR EXTENSION OF TIME

RECEIVED

Department of Water Resources

State of Idaho)

County of Bingham)

Permit No. 35-7631

LeGrande R. Williams of Rt. #5, Box 93, Blackfoot, ID 83221
(name) (address)

State of Idaho, being first duly sworn, upon his oath deposes and says:

That he is the holder, or the duly authorized agent of the holder *, of Permit to
Appropriate the Public Waters of the State of Idaho No. 35-7631.

That under the terms and conditions of said permit, work thereunder was required
to be completed on or before October 1, 1977.

That he has heretofore performed the following work described under said permit:
Water has been beneficially used for irrigation of the lands under permit. A copy
of computed flows for the two pumps, calculated by John Harper, P.E., was submitted
to the Department on September 20, 1977. However, it was determined the information
provided was insufficient to qualify as a certified water measurement.

Costing \$

That he is unable to complete the remainder of the work within the required time for
the following reasons, to-wit: scheduling an appointment with a professional engineer
to conduct an examination of the system for a certified water measurement in
the time remaining is not possible.

Wherefore, he asks that the Department of Water Resources extend the time for the
completion of obligations under said permit to October 1, 1978.

LeGrande Williams
(signature) *

Subscribed and sworn before me this 30 day of September, 1977.

seal

Mary Bird
Notary Public residing at

Blackfoot, Idaho

My commission expires 11-2-79

ACTION OF THE DIRECTOR OF THE DEPARTMENT OF WATER RESOURCES

IT IS HEREBY ORDERED that the above application for extension of time be APPROVED
and the time within which to submit proof of beneficial use of water is extended
to October 1, 1978.

Witness my hand this 13 day of October, 1977.

Bothy D. Fleener
Chief, Operations Bureau

* IF OTHER THAN HOLDER, Power of Attorney must be supplied. Forms are available
through the Department of Water Resources, Statehouse, Boise, Idaho 83720.

RECORDED

Identification No. 35 7631
Application No. _____

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

APPLICATION FOR PERMIT

APPROVED

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

1. Name of applicant LeGrande Robertson Williams Phone: 684-4137
post office address Rt. #5, Box 93, Blackfoot, Idaho 83221
2. Source of water supply ground water which is a tributary of _____
3. a. Location of point of diversion is SW $\frac{1}{4}$ of SW $\frac{1}{4}$ of Section 14 Township 2S
Range 33E B.M. Bingham County; additional points of diversion if any: _____
SESE, Sec. 14, T. 2S, R. 33E, B.M.
- b. If water is not consumed, it will be discharged into _____ at a point in _____ $\frac{1}{4}$
of _____ $\frac{1}{4}$ of Section _____ Township _____ Range _____ B.M. _____
4. Water will be used for the following purposes:
Amount 6.40 for irrigation purpose from Apr. 1 to Nov. 1 (both dates inclusive)
(cfs or acre-feet per annum)
Amount _____ for _____ purpose from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)
Amount _____ for _____ purpose from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)
5. Total quantity to be appropriated:
a. 6.40 cubic feet per second and/or
b. _____ acre feet per annum.
6. Proposed diverting works:
a. Description of ditches, flumes, pumps, headgates, etc. 2 existing wells and pumps, existing
sprinkler system
- b. Height of storage dam _____ feet, active reservoir capacity _____ acre feet; total reservoir
capacity _____ acre feet, materials used in storage dam: _____
Period of year during which storage will occur _____ to _____ inclusive.
(Mo. Day) (Mo. Day)
- c. Proposed well diameter is 18 inches; proposed depth of well is 100 feet.
7. a. Time required for the completion of the works and application of the water to the proposed beneficial use
is 1 years.
b. Estimated construction cost is \$ _____.
8. Description of proposed uses:
a. If water is **not** for irrigation:
(1) Give the place of use of water: _____ $\frac{1}{4}$ of _____ $\frac{1}{4}$ of Section _____ Township _____
Range _____ B.M. _____
(2) Amount of power to be generated: _____ hp under _____ feet of head.
(3) List number of each kind of livestock to be watered _____

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

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

TWP.	RANGE	SEC.	NE¼				NW¼				SW¼				SE¼				TOTALS
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
2S	33E	14									40	40	40	40	40	40	40	40	320

Total number of acres to be irrigated 320

c. Describe any other water rights used for the same purposes as described above. None

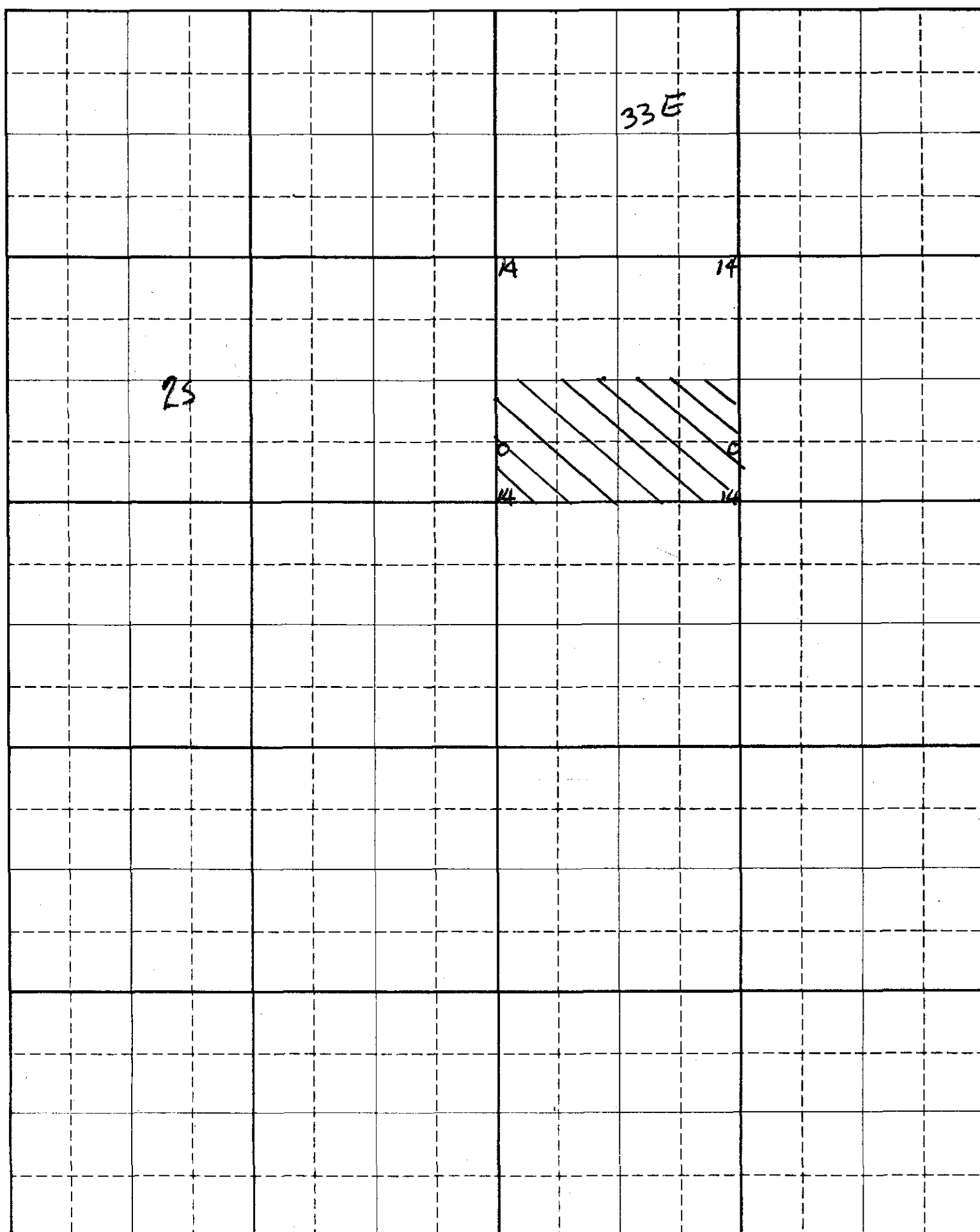
9. a. Who owns the property at the point of diversion Applicant

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

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

10. Remarks _____

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



Scale: 2 inches equal 1 mile

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

Felipe R. Williams
(Applicant)

Deposited Priority 8-3-76
Received by me Date 8/03/76 Time 2:30 p.
Preliminary check by BR Fee \$ 85.00
Receipted by me Date 8/03/76 # 2495
Publication prepared by CW Date 8-05-76
Published in Blackfoot News
Publication dates Aug. 12 + 19, 1976
Publication approved me Date 8/23/76
Priority reduced to _____ Reason _____

Protests filed by: _____

Copies of protests forwarded by _____
Hearing held by _____ Date _____
Recommended for approval denial by AC DDF

ACTION OF THE DIRECTOR, DEPARTMENT OF WATER RESOURCES

This is to certify that I have examined Application for Permit to appropriate the public waters of the State of Idaho No. 35-7631, and said application is hereby APPROVED.

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

- a. SUBJECT TO ALL PRIOR WATER RIGHTS.
- b. Proof of construction of works and application of water to beneficial use shall be submitted on or before October 1, 1977.
- c. Other: A measuring device of a type approved by the Director shall be permanently installed and maintained as part of the diverting works.

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

Witness my hand this 13 day of September 19 76.

R. Karl Higin
Director

RECEIVED

AUG 28 1976

Department of Water Resources
Eastern District Office

AFFIDAVIT of PUBLICATION

County of Bingham)

State of Idaho) ss.

I, David Mark Brown do
solemnly

swear that I am the Publisher of
The Blackfoot News which is a daily newspaper of
general circulation published each day except Sunday
at Blackfoot, Bingham County, Idaho, said newspaper
having been so published at Blackfoot, aforesaid for
more than one year past; that said newspaper
heretofore complied with all the provisions of Chapter
154 of the Sessions Laws of Idaho of 1933, approved
March 11, 1933, and duly designated, pursuant to law, a
particular day of the week as the day on which legal
notices required by law or by the order of any Court of
competent jurisdiction within the State of Idaho shall
be published to-wit: Thurs of each week; that the
notice attached hereto and which is a part of this af-
fidavit and part of the proof of publication was,
published in said Thursday

..... Issue of said newspaper ...2... consecutive
Weeks the first publication having been made on

the 12th day of August 19 76...

and the last publication having been made on the
19th day of August 19 76; that said

notice was published in the regular and entire issue of
every number of the paper as aforesaid during the
period and time of publication, and that notice was
published in the newspaper and not in a supplement.

David Mark Brown
Subscribed and sworn to before me this 19th

day of August, 19 76...

Patricia A. Johnson
Notary Public for the State of Idaho,
Residing at Blackfoot, Idaho
My commission expires
Oct. 20, 1976

NOTICE OF APPLICATION FOR WATER PERMIT

Notice is hereby given that
LeGrande Robertson Williams,
Blackfoot, Idaho has on 8-03-76
submitted Application No. 35-
7631 for a permit to appropriate
6.40 cubic feet per second of
water from ground-water
sources by means of wells and
pumps within the SW $\frac{1}{4}$ SW $\frac{1}{4}$,
SE $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 14, T. 2S, R.
33E, B.M., Bingham County; to
be used from Apr. 1 to Nov. 1 for
the irrigation of 320 acres
within the S $\frac{1}{2}$, Sec. 14, T. 2S, R.
33E, B.M.

If issued, this permit will be
subject to all prior water rights.
Protests against the granting of
the permit must be filed with
the Idaho Department of Water
Resources, 1515 Lincoln Road
Idaho Falls, Idaho, 83401 on or
before August 30, 1976.

R. KEITH HIGGINSON
Director

(4791)
Pub.: 8-12, 19

33

MEMORANDUM

Date: April 30, 1994
From: Jim Johnson
To: FILE
Subject: APPLICATION FOR TRANSFER NO. 4281

=====

Blaine Larsen filed the above referenced transfer application which included this right along with several other water rights. The transfer application was denied on April 7, 1994. See file 35-02210 for a more information concerning this transfer.



State of Idaho

DEPARTMENT OF WATER RESOURCES

STATE OFFICE, 450 W. State Street, Boise, Idaho

JOHN V. EVANS
Governor

C. STEPHEN ALLRED
Director

Mailing address:
Statehouse
Boise, Idaho 83720
(208) 334-4440

March 6, 1981

LeGrande R. Williams
Rt. 5, Box 93
Blackfoot, ID 83221

Dear Mr. Williams,

RE: License No. 35-7631

Enclosed is a copy of the Water Right License issued on the above referenced Permit.

Please be advised that one of the conditions of your permit was that a measuring device be installed as part of your diversion works. That requirement has been waived with issuance of the enclosed license. However, in the event that water supply shortages become a problem installation of measuring devices may be required.

Sincerely,

JIM JOHNSON
Water Distribution Supervisor

JJ:mr
Enclosure

MICROFILMED



State of Idaho

DEPARTMENT OF WATER RESOURCES

STATE OFFICE, 450 W. State Street, Boise, Idaho

JOHN V. EVANS

Governor

C. STEPHEN ALLRED

Director

Mailing address:
Statehouse
Boise, Idaho 83720
(208) 334-4440

February 12, 1981

LeGrande R. Williams
Rt. 5, Box 93
Blackfoot, ID 83221

Dear Mr. Williams,

A representative of this Department has made an examination of the works covered by your Permit No. 35-7631, and has found the following:

Amount of water that can be recognized as beneficially used under
Idaho law: 5.04 cfs Source: groundwater

The maximum quantity diverted shall not exceed 1088.5 acre feet per year.

Point(s) of diversion: SW $\frac{1}{4}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 14, Twp. 2S, Rge. 33E, B.M.

Beneficial use: Irrigation of 311 acres within the SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 14, Twp. 2S, Rge. 33E.

Priority date established: August 3, 1976

Conditions (if any):

If you do not concur with these findings please contact us within 10 days, otherwise a water license will be issued as set forth above.

Sincerely,

JIM JOHNSON
Water Distribution Supervisor

MICROFILMED

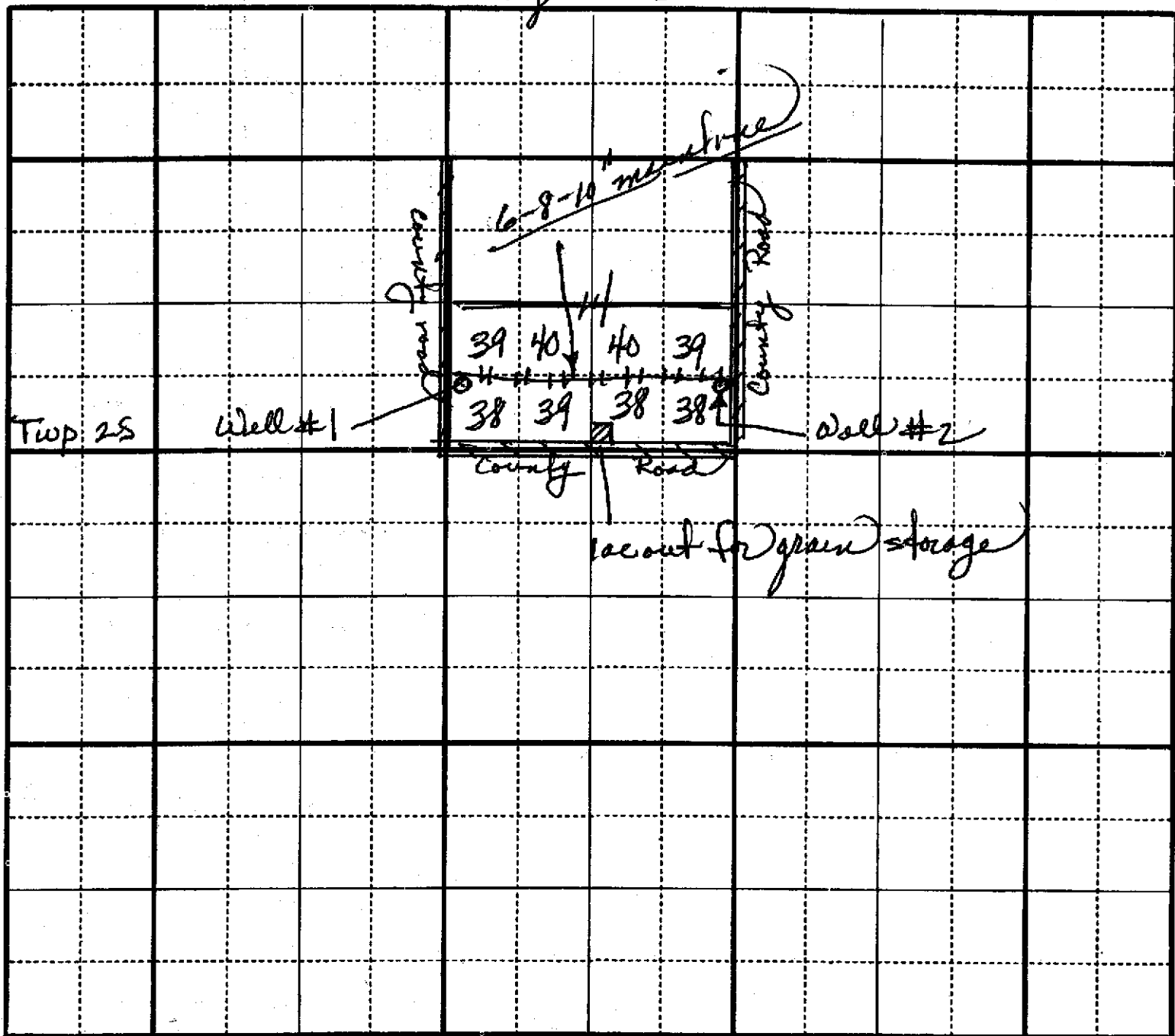
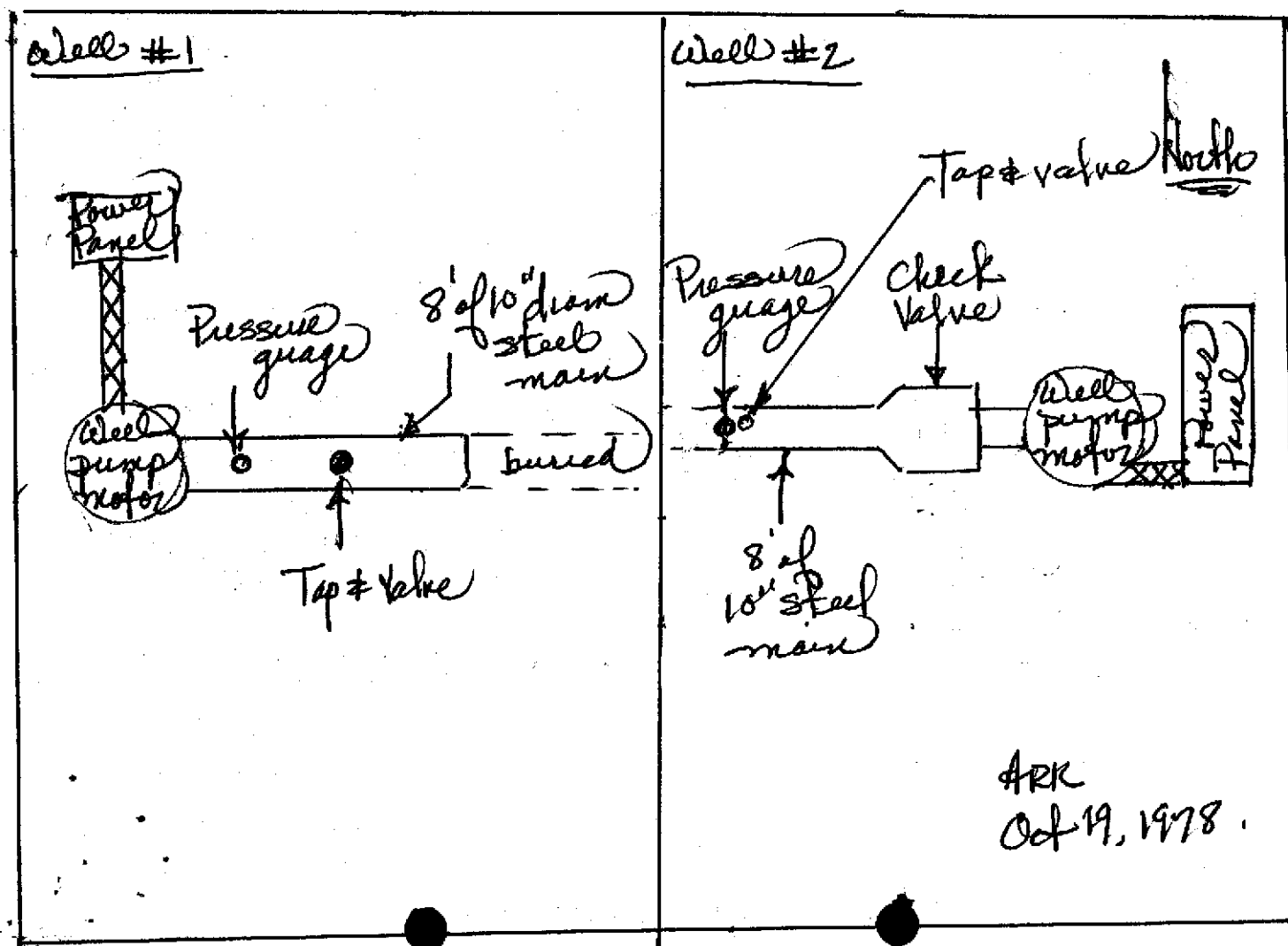


Diagram of System



ARK
Oct 19, 1978

DATE OF EXAM 5/25/78

ACREAGE
Found 311 ✓
Recommended 311 ✓

Irrigation Requirement 3.5 ✓ Ac Ft/Ac

USE
Irrigation Q = 5.04 c.f.s. V = 1088.5 AF/Ann. from April 1 to Nov 1.
Domestic Q = _____ c.f.s. V = _____ AF/Ann. from _____ to _____
Livestock Q = _____ c.f.s. V = _____ AF/Ann. from _____ to _____

Is water co-mingled? yes _____ no X

Name source: n/a
twp. _____ N/S, Rge _____ E/W, B.M., Sec. _____, Sub. _____ 1/4 _____ 1/4 County _____

Exchange? yes _____ no X

Name source exchanged with: n/a
twp. _____ N/S, Rge _____ E/W, B.M., Sec. _____, Sub. _____ 1/4 _____ 1/4 County _____

Point of injection: n/a
twp. _____ N/S, Rge _____ E/W, B.M., Sec. _____, Sub. _____ 1/4 _____ 1/4 County _____

Point of exchange: n/a
twp. _____ N/S, Rge _____ E/W, B.M., Sec. _____, Sub. _____ 1/4 _____ 1/4 County _____

Total Q measured 5.04 c.f.s. Method of measurement Professional Engineer

Total Q recommended 5.04 Meter No. n/a Type n/a Condition n/a

Total V recommended 1088.5 AF/yr

Recommended Amendments:

P.D. _____

Place of Use _____

Other _____

☒ None

MEASUREMENT CALCULATION: See enclosed P.E. calculation) Well #1 = 2.14 c.f.s. 5.04 CAPACITY
Well #2 = 2.90 c.f.s. tot.
 $V = 311 \times 3.5 = 1088.5 \text{ c.f.s.} < 5.04 \times 1.9835 \times \frac{2.14}{2.15} = 2147.32 \text{ AF/yr}$
2139.3

SYSTEM DESCRIPTION:

Well #1 - Groundwater is diverted by a General Electric tri-chad induction motor mfr - 5K1444 JFVS - 75 HP., s/n - WE6816789 and by a Layne & Bowler vertical turbine pump mfr 12 RM.
Well #2 - Groundwater is diverted by a General Electric tri-chad induction motor mfr - 5K0267 XH4A, s/n - HK10-807134, 100 HP., 3ph, and by an Aurora vertical turbine pump mfr - 12 RM.

REMARKS: Both wells are interconnected.

Acreage: 0 missions - 8 ac for county roads

Acreage irrigated with 10-1/4 ac for ground storage

No Preexisting rights

Examiner's Signature Anthony R. Kozlowski Date Oct 19, 1978

Checked by Robney A Parker Date 1/12/79

Approved by Robert Date 2/2/81

No Overlapping Rights

35-7631

HARPER, MORGAN & ASSOCIATES

Engineering and Surveying

800 W. Judicial • P.O. Box 441 • Ph. (208) 785-2977 • Blackfoot, Idaho 83221

CIVIL — STRUCTURAL — BUILDINGS — SUBDIVISIONS

November 7, 1977

Mr. LeGrande Williams
Route 5, Box 93
Blackfoot, Idaho 83221

Dear Mr. Williams:

Transmitted herewith are 2 copies of the documents prepared for the flow measurements of your Irrigation System in the South $\frac{1}{2}$, of section 14, Township 2 South, Range 22 East B.M.

These documents include a general map of the area showing the location of the wells, a schematic showing the general system layout including pump and motor information, line size and location, nozzle size and number, pressure readings taken November 5, 1977, and flow calculation based upon pump curves furnished by the pump supplier and pressure reading taken in the field.

The flow calculated from the pump curves agrees reasonably well with the flow calculations from the measured head loss in the pipe system on November 5, 1977. We therefore submit these figures as the calculated flow from Wells No. 1 and No. 2 respectively as shown on the map.

Well No. 1 located 54 feet East of the NW corner of the SW $\frac{1}{4}$, SW $\frac{1}{4}$ section 14, T 2S, R. 33 E.B.M. 2.14 cts.

Well No. 2 located 36 feet West of the NE corner, SE $\frac{1}{4}$, SE $\frac{1}{4}$ section 14, T. 2S, R. 33 E.B.M. 2.90 cts.

A copy of these documents should be sent to the Department of Water Resources for their information *relevant to* permit no. 35-7631

Please let us know if anything more is needed from us.

Thank you for the opportunity to serve you.

Sincerely,

HARPER, MORGAN AND ASSOCIATES

John J. Harper
John J. Harper P.E.
JJH/nb

A map was sent to Region

MICROFILMED

Staff Analysis

11/9/77

REQUIREMENTS FOR A CERTIFIED WATER MEASUREMENT

For an acceptable certified water measurement, the following items must be completed by a professional engineer, with water measurement experience, and submitted to the Department of Water Resources:

- ARK Have drawn on permit no. 35-7631
- ARK Item A - Identify the individual the measurement is being conducted for and the number of the approved permit issued by the Department of Water Resources.
- ARK Item B - State the legal description for each point of diversion to the nearest 40-acre subdivision.
- ARK Item C - Describe the diversion works stating:
1. the serial number of the pump and pump motor along with horsepower rating;
 2. the size and type of weir, flume and headgate;
 3. the length and dimensions of ditches, canals and pipelines.
- ARK Item D - For sprinkler systems, describe the condition of the system at the time the measurement was made, i.e., the number of lines being run, the number of nozzels per line, and the nozzle diameter(s).
- ARK Item E - Complete a diagram, illustrating the layout of the system and labelling its principle components, i.e., well, pump, mainline, canal, ditch, weir, flume, headgate, etc.
- Item F - Describe the method of measurement used to measure the flow from the point(s) of diversion. This should include a description of the measuring device used and the calculations made in determining the flow.
- ARK - If it is a system for which accurate pump curves were made as part of the system design, pressure measurements used in conjunction with these curves may be accepted as a measurement of the flow. If these are used, a copy of the curve, pressure measurement, and any additional calculations should be submitted for Department review.

MICROFILMED

FLOW CALCULATIONS FOR Williams Wells In South $\frac{1}{2}$ Sec. 14 T 25 R 33 E B.M.

Well # 1 54' E of NW cor SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec 14
 Gage Pressure at Pump = 62 psi
 $62 \times 2.31 = 143'$
 107' of Lift From Water Level
 $143 + 107 = 250'$ Total Dynamic Hd.

From Pump Curves
 4 Stage Pump $\frac{250}{4} = 62' / \text{stage}$

1770 R.P.M. 960 gal/min

Check with Pressure Data

Pressure at pump discharge = 61 psi

Pressure at 1212' along Line = 56.5 psi

Steel pipe - Good Condition

Use Manning $n = 0.009$

10" pipe 2.14 cfs $n = 0.009$

8" $S = \frac{1}{8} = 0.0048$

$S = 0.015$

850' of 10" pipe

$850 \times 0.0048 = 4.08 \text{ HL}$

362' of 8" pipe

$362 \times 0.015 = 5.43 \text{ HL}$

9.51' Total

$9.51 / 2.31 = 4.1 \text{ psi}$

$61.0 - 56.5 = 4.5 \approx 4.1$

Calculated Discharge from 75 HP Pump & Well
 2.14 cfs.

RECEIVED

HARPER MORGAN & ASSOCIATES
800 West Judicial P. O. Box 441
BLACKFOOT, IDAHO 83221
Phone 785-2977

77208
JOB LEGANEE WILLIAM
SHEET NO. 2 OF 2
CALCULATED BY JJH DATE 11-5-77
CHECKED BY _____ DATE _____
SCALE _____

FLOW CALCULATIONS

Williams Wells in $S\frac{1}{2}$ SEC 14 T25R33EBM

WELL #2 36' W of NE Cor. $SE\frac{1}{4}$ $SE\frac{1}{4}$ Sec 14
100 HP gage Pressure at Discharge 62 psi
 $62 \times 2.31 = 143'$
 $143 + 100 = 243'$ Total Dynamic Hd
 $243/4 = 61'$ /stage

From pump curves 4 stage
12 RH Vertiline pump.
1300 gpm = 2.90 cfs

First Line Too Close To Well
To Calculate Head Loss in Line

100 HP Motor 1770 RPM

$$HP_{REQ'D} = \frac{Q (\text{E}) H}{8.8}$$

$$= \frac{2.9 (.7) (243)}{8.8}$$

$$= 56 \text{ HP} \therefore 100 \text{ HP MOTOR} = \text{Adequate}$$

HARPER MORGAN & ASSOCIATES

800 West Judicial P. O. Box 441
BLACKFOOT, IDAHO 83221
Phone 785-2977

JOB 77208 - GRANDE WILLIAMS

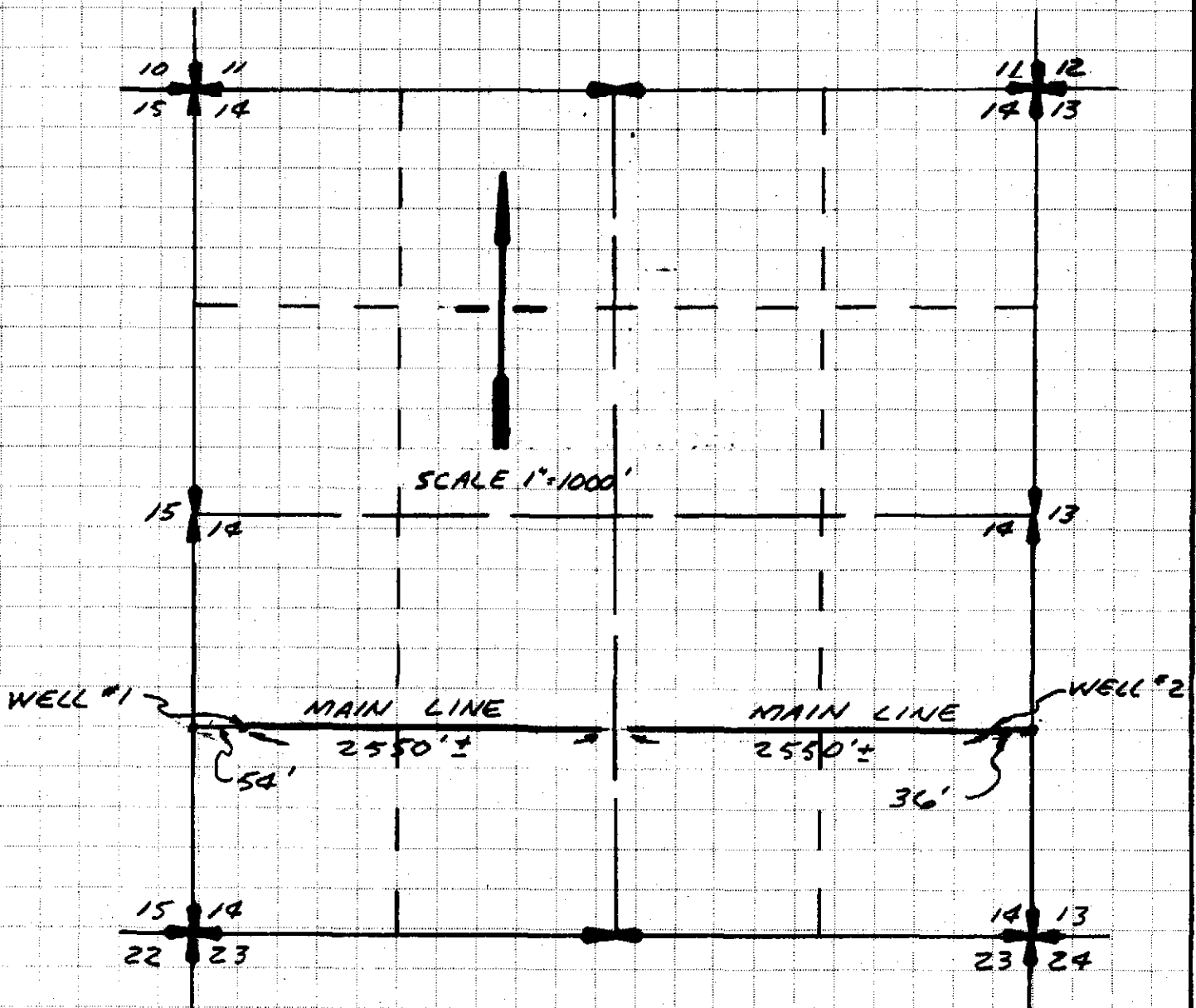
SHEET NO. _____ OF _____

CALCULATED BY D.J. DATE 11-7-77

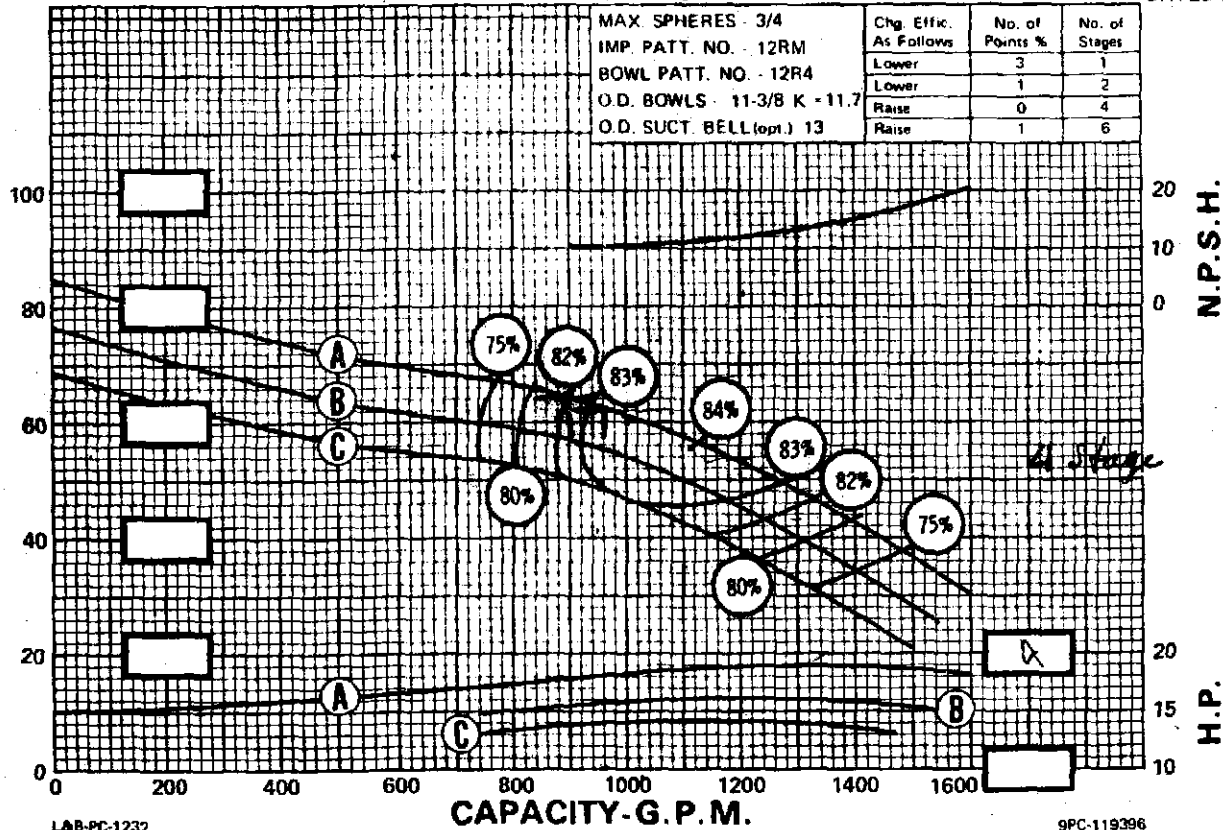
CHECKED BY J.V.H. DATE 11-8-77

SCALE _____

SECTION 14, T.25., R. 33 E.



TOTAL DYNAMIC HEAD-FEET



MAX. SPHERES - 3/4	Chg. Effic. As Follows	No. of Points %	No. of Stages
IMP. PATT. NO. - 12RM	Lower	3	1
BOWL PATT. NO. - 12R4	Lower	1	3
O.D. BOWLS - 11-3/8 K - 11.7			

Well #1

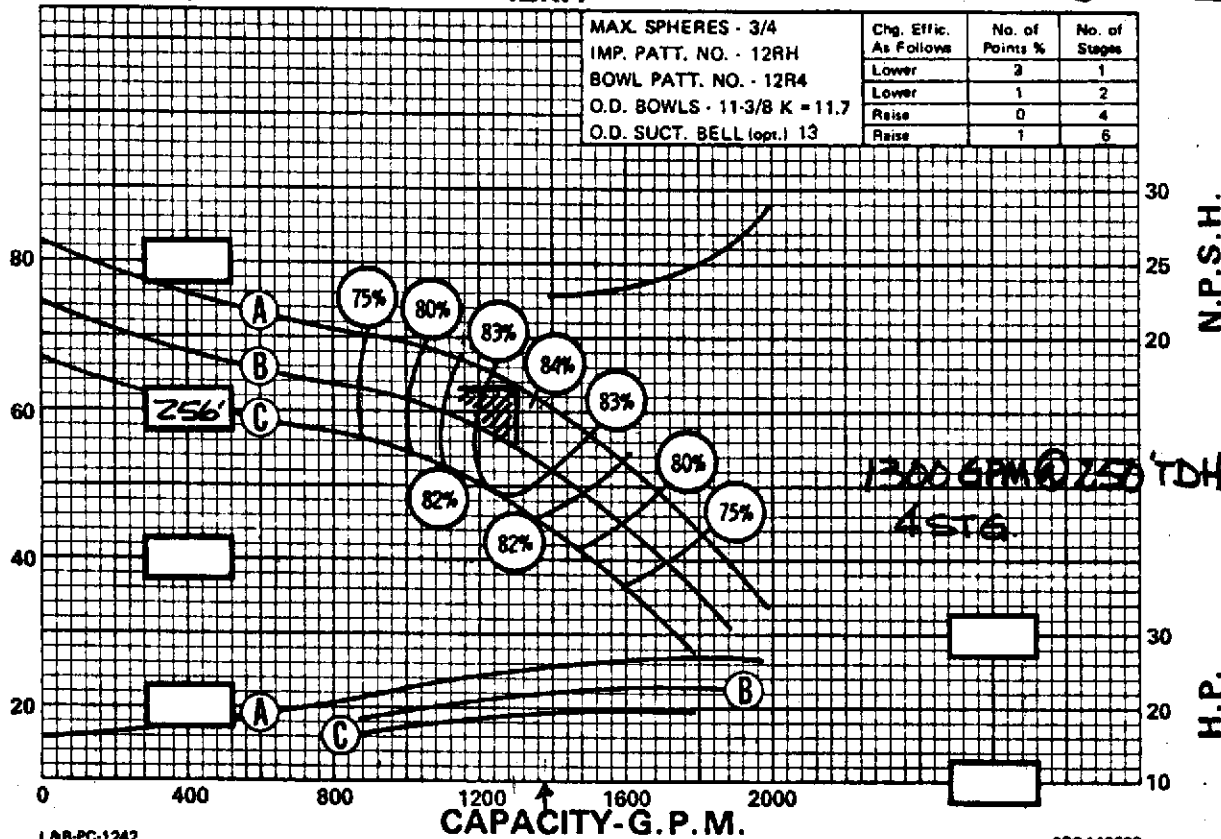
RECEIVED

Well #2

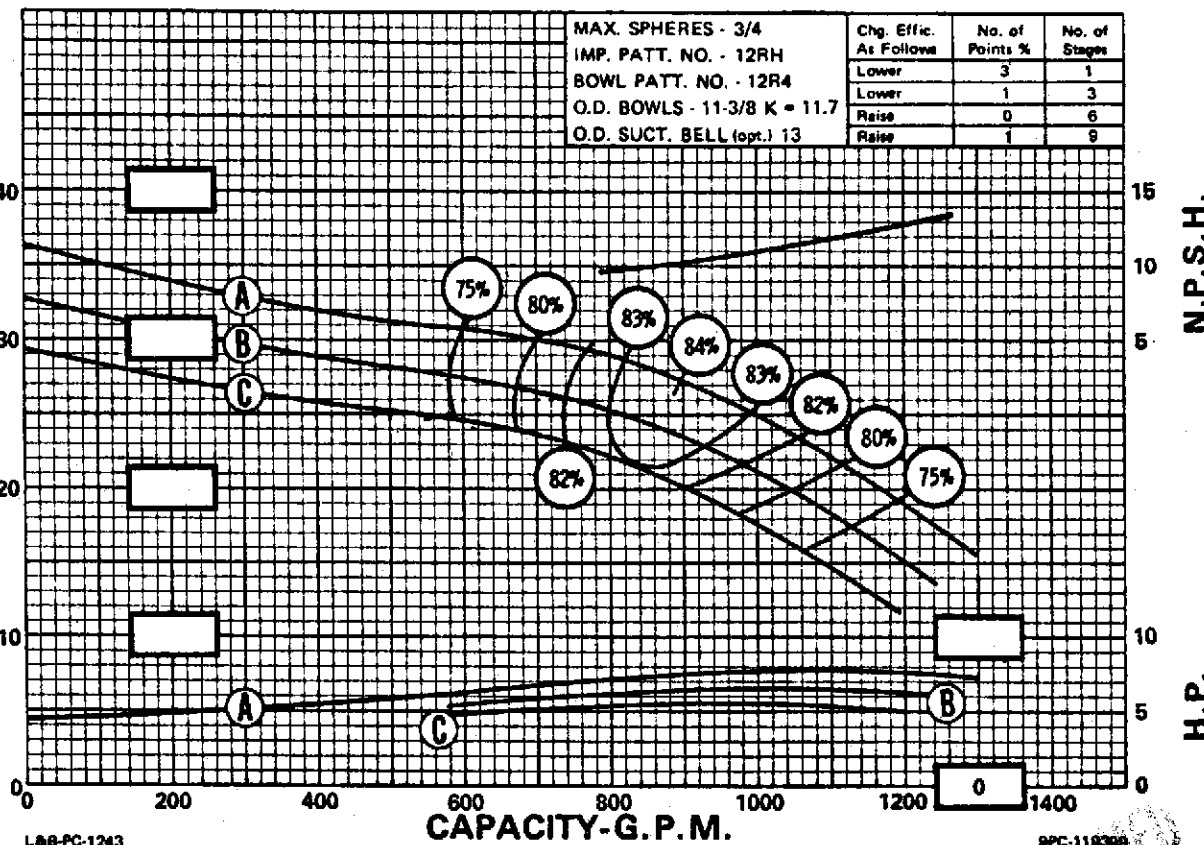
Veri-Line PUMP 12RH

Sold to C. Williams 11/1/74
 G. T. Newcomb

TOTAL DYNAMIC HEAD-Feet



TOTAL DYNAMIC HEAD-Feet



4 NUMBER OF STAGES REQUIRED FOR APPLICATION.
 STANDARD CURVE ILLUSTRATES SINGLE STAGE PERFORMANCE ONLY.



LAYNE AND BOWLER
 A SUBSIDIARY OF THE AURORA PUMP UNIT OF GENERAL SIGNAL
 200 NO. PUENTE AVE., CITY OF INDUSTRY, CALIF. • P.O. BOX 1300, LA PUENTE, CALIF. 91769



December 3, 1977

Re: Permit No. 35-7631

LeGrande Robertson Williams
Route 5, Box 93
Blackfoot, Idaho 83221

Dear Mr. Williams:

We acknowledge receipt of the affidavit submitted as proof of beneficial use for the above referenced permit.

Before a license can be issued, a field examination must be made by a representative of this Department. We cannot tell just when this examination will be made, but our examiner will try to contact you at the time he makes the examination so that you may show him the system.

If you have any questions regarding the field examination, please contact our Regional Office in Idaho Falls.

Sincerely,

JANICE RENK
Water Rights

RECEIVED

NOV 9 1977

Department of Water Resources
Eastern District Office

Identification No. _____

Permit No. _____

STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES

PROOF OF APPLICATION OF WATER TO BENEFICIAL USE

1. a) Name of Permit Holder LeGrande Robertson Williams
b) Post Office Address RT #5, Box 93, Blackfoot, Idaho 83221
2. Permit Number 35-7631
3. Date of Priority that you are prepared to establish 8/3/76
4. a) Source from which water was appropriated groundwater
b) Location of the point of diversion: SW 1/4 SW 1/4, Section 14
Township 2S, Range 33E Boise Meridian, Other points of diversion: SESE Sec 14, T. 2S, R. 33E. B.M.

5. a) The amount of water and use to which the water has been applied:
Amount 5.04 cfs for irrigation purposes from April 1 to Nov 1 incl.
(cfs and/or acre-feet per annum) (Month-Day) (Month-Day)
Amount _____ for _____ purposes from _____ to _____ incl.
(cfs and/or acre-feet per annum) (Month-Day) (Month-Day)
Amount _____ for _____ purposes from _____ to _____ incl.
(cfs and/or acre-feet per annum) (Month-Day) (Month-Day)
b) Total amount appropriated 5.04 cfs cfs and/or acre-feet per annum

- c) Describe how and by whom measurement of rate of flow or amount of storage was made and the qualifications of the person making the measurement: John Harper of Harper, Morgan & Associates
P.O. Box 441, 800 W. Industrial, Blackfoot, Idaho, 83221. Measurement obtained
by use of pressure measurements, & pump curves

6. If the means of diversion and conveyance are owned by someone other than the Permit Holder:
a) Give the name or description of the canal, ditch or other works by which the water is conducted to the place of use:
not applicable
b) Describe the agreement or understanding by which you take water from the works:
not applicable

7. a) Briefly describe the works for diverting and conveying the water to the place of use, (if from a subterranean source, give the pump size, motor size, size of well casing, depth of well; if from surface water, give brief description of diversion structure and/or canal or ditch) 2 wells. #1 - 75 H.P. General Electric
3/4" E6816789, Vertiline turbine pump 12 RM. well #2
100 H.P. General Electric 3/4" - HK-5-807137, 12 RM
5K6267 X HCA 12 RM Vertiline turbine pump; 16" diam
well casing, well #1 SWL = 107' well #2 - SWL - 110' - sprinkler delivery system
b) Describe the type and size of measuring device which you have installed at your point of diversion:
Measurement provided by certified engineer

- c) Give well driller's name and address and the date the well was completed:
well #2 drilled by Larnae Barris of Smith Idaho.
well #1 well driller unknown - this well was drilled
many years ago. (1951)
8. If for other than irrigation, describe the beneficial use to which you have applied the water and the place of use: _____

Exam typed 11/29/77 by [signature]

If you are irrigating 15 or more acres, please submit an aerial photo of the property with this affidavit.

9. Irrigation uses: describe the lands irrigated by giving the acreages irrigated within each 40 acre subdivision.

T	R	SEC.	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
2S	33E	14									40	40	40	40	40	40	40	40	320

Total number of acres irrigated 320

10. Remarks:

The above information is a true statement of the extent to which the above numbered permit has been developed.

11/9/77 (Date) J. Grand Williams (Signature)

State of Idaho)) ss. County of Bonneville)

On this 9th day of November, 1977, personally appeared before me the signer(s) of the above instrument, who duly acknowledged to me that he (she) (they) executed the same.

Loren O. Kallman Notary Public residing at Idaho Falls, ID

My commission expires March 21, 1979

October 14, 1977

Re: Permit No. 35-7631

LeGrande R. Williams
Route 5, Box 93
Blackfoot, ID 83221

Dear Mr. Williams:

Enclosed is a copy of the approved application for extension of time in connection with the above referenced permit.

The time within which to submit proof of beneficial use of water has been extended to October 1, 1978.

Sincerely,

Jan Grover
Water Rights Supervisor

MAILED
OCT 15 1977

July 29, 1977

CERTIFIED MAIL

138789

Re: Permit No. 35-7631

LeGrande Robertson Williams
Route 5, Box 93
Blackfoot, Idaho 83221

Dear Mr. Williams:

One of the conditions of approval of your water Permit No. 35-7631 (see last page of your approved permit) was that evidence of the extent of development be submitted as proof of application of water to beneficial use to this office on or before October 11, 1977. Enclosed is an affidavit form which must be used to submit the required proof of beneficial use.

If you have not fully completed your project, and you have not previously received an extension of time, you may request an extension of time provided the delay is for reasonable cause as indicated in Section 42-204, Idaho Code, amended. If you have been prevented from proceeding by a governmental agency or by litigation, more than one extension of time can be granted.

Either the beneficial use affidavit or a request for an extension of time must be received by this Department on or before the above mentioned date, otherwise the permit will lapse and be of no further force or effect.



C. STEPHEN ALLRED
Director

CSA:jfr

Enc: Proof affidavit

September 13, 1976

Re: Permit No. 35-7631

LeGrande Robertson Williams
Rt. #5, Box 93
Blackfoot, ID 83221

Dear Mr. Williams:

Enclosed is a copy of your approved Application for Permit No. 35-7631. We direct your attention to the conditions of approval as listed on the fourth page.

Be sure to note that a special condition requiring you to install and maintain a measuring device at your point of diversion has been placed upon your permit. We are enclosing a letter describing different types of measuring devices accepted by this office.

Sincerely,

BOBBY D. FLEENOR
Chief, Water Rights

Enclosure: Copy of permit

August 5, 1976

RE: Application for Permit No. 35-7630 BROADHEAD
" " " No. 35-7631 WILLIAMS

Blackfoot News
P.O. Box 70
Blackfoot, Idaho 83221

Gentlemen:

Enclosed you will find a legal notice which we wish to have published once a week for two consecutive weekly issues of your newspaper. We have inserted the publication dates allowing time for you to submit us a galley proof for review before publication.

After sending us a galley proof, proceed with the publication on the dates we have inserted, assuming the notice is correct. If we have any corrections, we will notify you before the first publication. 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.

Very truly yours,

RONALD D. CARLSON
Supervisor,
Eastern Region

Bill submitted 8-23-76 by aw

RDC:CW

Enc: Legal Notice (2)

**NOTICE OF
APPLICATION FOR
WATER PERMIT**

Notice is hereby given that LeGrande Robertson Williams, Blackfoot, Idaho has on 8-03-76 submitted Application No. 35-7631 for a permit to appropriate 6.40 cubic feet per second of water from ground-water sources by means of wells and pumps within the SW $\frac{1}{4}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 14, T. 2S, R. 33E, B.M., Bingham County; to be used from Apr. 1 to Nov. 1 for the irrigation of 320 acres within the S $\frac{1}{2}$, Sec. 14, T. 2S, R. 33E, B.M.

If issued, this permit will be subject to all prior water rights. Protests against the granting of the permit must be filed with the Idaho Department of Water Resources, 1515 Lincoln Road Idaho Falls, Idaho, 83401 on or before August 30, 1976.

R. KEITH HIGGINSON
Director

(4791)

Pub.: 8-12, 19

NOTICE OF APPLICATION FOR WATER PERMIT

Notice is hereby given that LeGrande Robertson Williams,
Blackfoot, Idaho

has on 8-03-76 submitted Application No. 35-7631
for a permit to appropriate 6.40 cubic feet per second ~~acre feet per annum~~
of water from ground-water sources
by means of wells and pumps
within the SW₁SW₄, SE₁SE₄, Sec. 14, T. 2S, R. 33E, B.M., Bingham County;

to be used from Apr. 1 to Nov. 1
for the irrigation of 320 acres

within the S¹/₂, Sec. 14, T. 2S, R. 33E, B.M.

If issued, this permit will be subject to all prior water rights. Protests against the granting of the permit must be filed with the Idaho Department of Water Resources, 1515 Lincoln Road, Idaho Falls, Idaho, 83401 on or before _____

August 30, 1976

R. KEITH HIGGINSON

Director

Published in the Blackfoot News, Blackfoot, Idaho
on August 12 and August 19, 1976

Me. H.
me-G.

DEPARTMENT OF WATER RESOURCES
- STAFF ANALYSIS -

Item Initial Date

Application No. _____

☒ Source
☒ Point of Diversion
☒ County
☒ Quantity of Water and Period of Use
☒ Description of Diverting Works
☒ Time required for B/U of water
☒ Place of Use or Acres Irrigated
☒ Map
☒ Signature
☒ Fee

In form to receipt yes

Send Copies to:

NA Idaho State Health Department
NA Idaho Fish and Game Department
NA Bureau of Land Management

NA Request Special Use Permit from U.S.F.S.
NA Request Easement from B.L.M.
NA Request Information from Applicant

In form for advertising yes

Platted on Map No. 23 33E

Located within Water District No. NA

Critical groundwater area: yes _____ no ☒

Groundwater levels:

_____ Declining, ☒ Stable, _____ Increasing

(comment) _____

Other rights on the same place of use No

Comments: _____

Affidavit of Publication received(date) Aug. 23, 1976

Final date for protests Aug. 30, 1976

Protests received: yes _____ no ☒

All requested information received from agencies or applicant: yes _____ no _____

Action recommended:

☒ Approve _____ Deny

8/3/76 Proposed Priority

Reason for Reduction _____

☒ Measuring device required

See attached sheet for other conditions of approval

No special conditions for approval

(15) District E By RDC Date 8/30/76

Copy
11/6