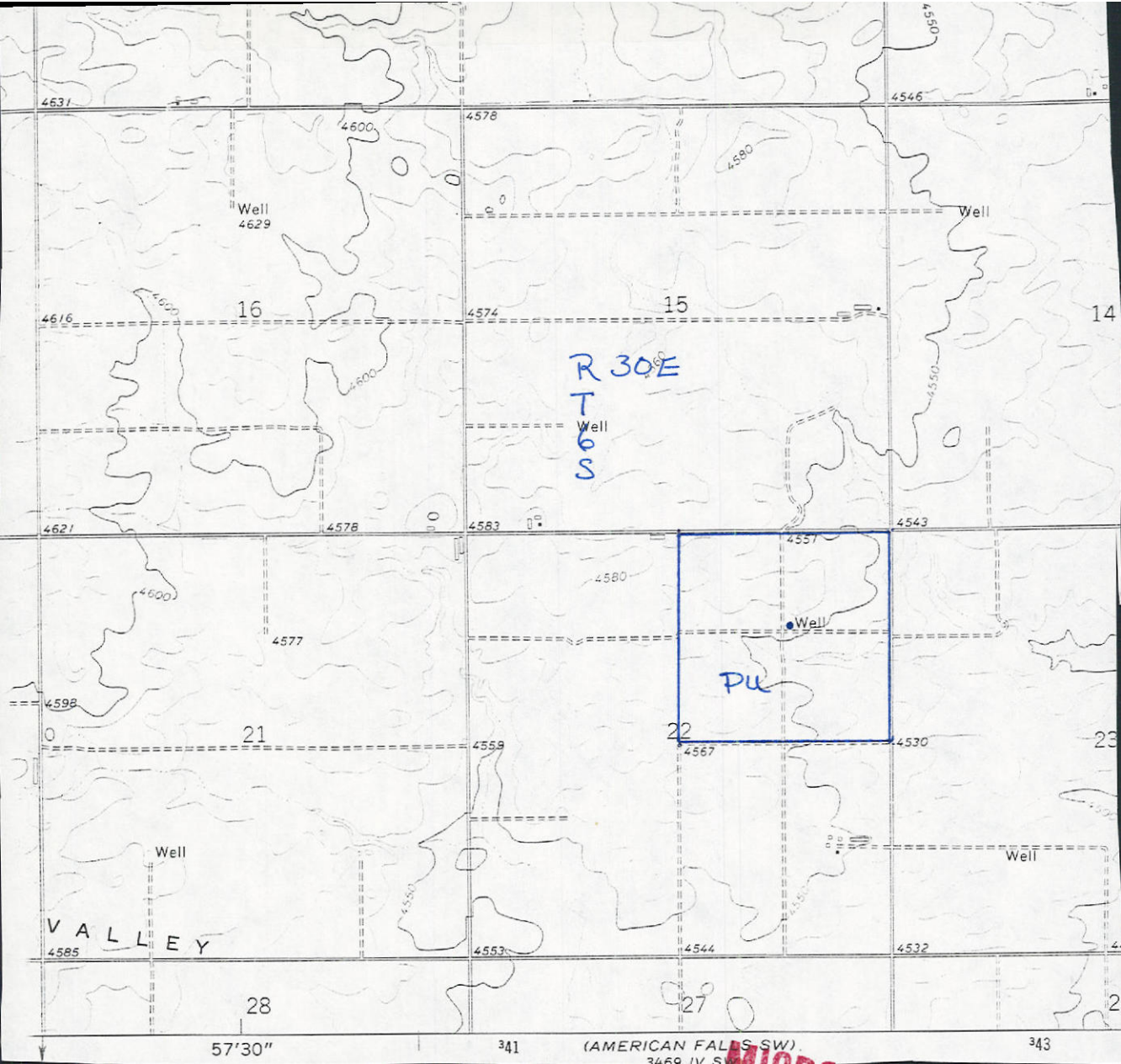
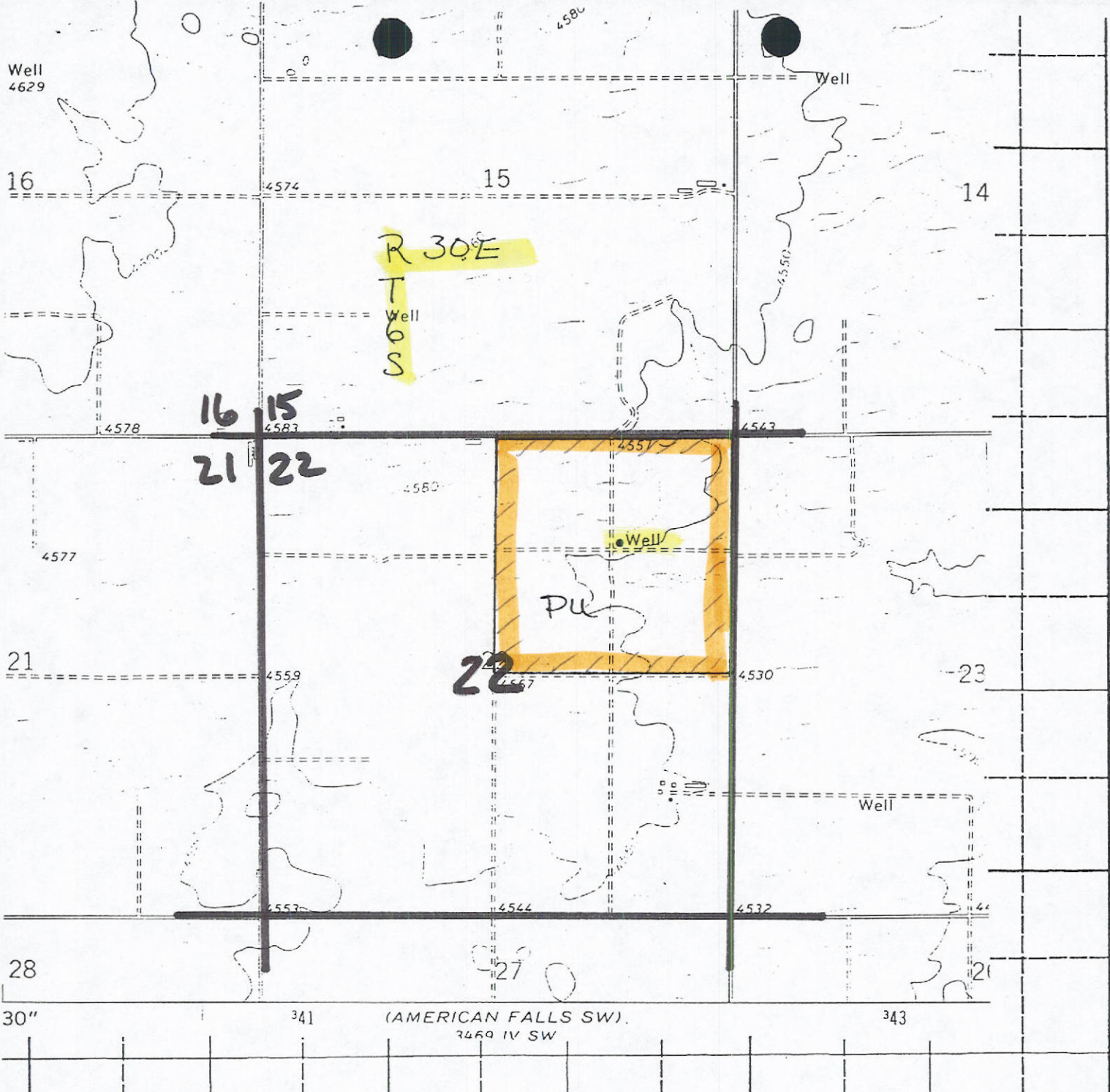






#35-08715

AMERICAN FALLS SW

OCT 03 1996

15

22 224515
2770

TCS
RGE

NYEL
4.0 148.8

T25141
2859

ALL NYEL

Well

1
76.3

2
77.6

22

279

22
27

3
76.5

4
168.7

#35-08715

US
757

OCT 03 1996



35-8715



35-8715

OCT 03 1996

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 35-08715

Priority: March 20, 1989

Maximum Diversion Rate:

0.41 CFS

This is to certify, that JAMES M PAHL
2174 S 3200 W

AMERICAN FALLS ID 83211 has complied with the terms and conditions of the permit, issued pursuant to Application for Permit dated March 20, 1989; and has submitted Proof of Beneficial Use on April 22, 1991. An examination indicates that the works have a diversion capacity of 3.130 cfs of water from a GROUNDWATER source, and a water right has been established as follows:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE OF DIVERSION</u>	<u>ANNUAL VOLUME</u>
-----------------------	----------------------	--------------------------	----------------------

IRRIGATION	04/01 to 10/31	0.41 CFS	
------------	----------------	----------	--

LOCATION OF POINT(S) OF DIVERSION:

NENE , Sec. 22, Township 06S, Range 30E
BINGHAM 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>
06S	30E	22	NENE 38	NWNE 39	SWNE 40	156
			SENE 39			

Total number of acres irrigated: 156

CONDITIONS OF APPROVAL AND REMARKS

1. This water right is appurtenant to the described place of use.
2. This right is subject to all prior water rights and may be forfeited by five years of non-use.
3. Modifications to or variance from this license must be made within the limits of Section 42-222, Idaho Code, or the applicable Idaho law.
4. The use of water under this right shall not give rise to any claim against the holder of a senior water right based upon the theories of forfeiture, abandonment, adverse possession, waiver, equitable estoppel, estoppel by laches or customary preference.
5. The Director retains jurisdiction of the right to incorporate the use into a water district, require streamflow augmentation or other action needed to protect prior surface water and groundwater rights.
6. This right when combined with all other rights shall provide no more than .02 cfs per acre nor more than 4.0 afa per acre for the lands above.
7. Rights 35-02506, 35-07434, and 35-08715 when combined are limited to a total annual diversion volume of 624.0 af.
8. Rights 35-02506 and 35-07434 are also diverted at the point of diversion described above.

OCT 03 1996

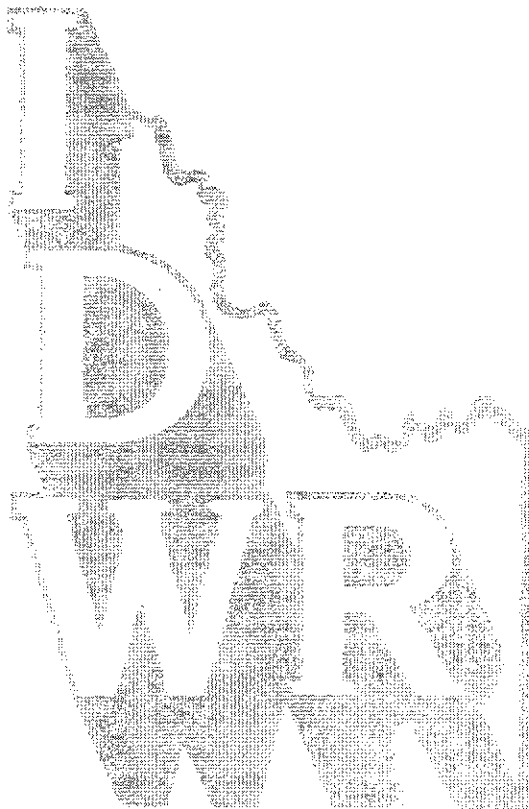
State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 35-08715

This license is issued pursuant to the provisions of Section 42-219, Idaho Code.
Witness the seal and signature of the Director, affixed at Boise, this 27TH
day of SEPTEMBER, 1996.


Acting for KARL J. DREHER Director



OCT 03 1996

RECEIVED

APR 22 1991

STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES

For Office Use Only
Amt. of Fee \$ 100.00
Date 4-22-91
Receipt No. 002023
Received by CH

PROOF OF BENEFICIAL USE

Department of Water Resources

The Idaho Department of Water Resources will consider this form as 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 or a completed field examination report prepared by a certified water right examiner who has been appointed by the department.

1. Permit No. P35-08715 Telephone No. 226-2731
2. Name(s) of Permit Holder(s): JAMES M. PAHL
3. Post Office Address: 2174 S 3200 W, American Falls, ID 83211
4. Source of Water: Ground water
* note: this is additional to an existing water right
- a. If ground water, well driller's name: Vollmer Drilling Date drilled: unknown (1956-1957)
- b. Pump horsepower: 150 HP Pressure (psi): 69 Dynamic pumping level (ft.): 317
5. Extent of Use:

Domestic _____ (No. of households)

Irrigation 156 (No. of acres)

Stockwater _____ (No. and type of stock)

Other _____

IDWR Water Right Numbers: G-26975
35-7434
P35-087152.4 cfs
.31 cfs
.41 cfs

6. Total rate and/or volume for which proof is submitted
- 3.12
- cfs _____ acre/feet

7. Refer to the approval conditions on your permit and respond accordingly:

Measuring device: Required? Yes XNo Installed? Yes XNo

OR

Flow Measurement Port: Required? XYes No Installed? XYes No.41 cfs

8. Fee Enclosed: \$
- 100.00
- (See License Examination Fee Schedule)

9. Person to contact to accompany the Department representative during the field examination:

JAMES M. PAHL
Name226-2731
Telephone No.2174 S 3200 W American Falls ID 83211
Address

10. The above information is my true statement of the extent to which the above numbered permit has been developed and I relinquish any undeveloped portion of the permit to the state of Idaho.

04-17-91
DateJames M. Pahl
Signature (and title if on behalf of a company or organization)

MAY 31 1991

State of Idaho
Department of Water Resources
Permit To Appropriate Water

NO. 35-08715

Proposed Priority: March 20, 1989 Maximum Diversion Rate: 0.41 CFS
This is to certify, that **JAMES M. PAHL**
2174 S. 3200 W.
AMERICAN FALLS, ID 83211
has applied for a permit to appropriate water from: **GROUNDWATER**
and a permit is **APPROVED** for development of water as follows:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE OF DIVERSION</u>
-----------------------	----------------------	--------------------------

IRRIGATION	03/15 to 11/15	0.41 CFS
------------	----------------	----------

LOCATION OF POINT(S) OF DIVERSION: SWNE Sec. 22, Township 06S, Range 30E
BINGHAM 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>
06S	30E	22	NENE 38	NWNE 39	SWNE 40	156
			SENE 39			

Total number of acres irrigated: 156

CONDITIONS/REMARKS:

1. Proof of construction of works and application of water to beneficial use shall be submitted on or before **May 1, 1991**.
2. Subject to all prior water rights.
3. The right to the use of water acquired under this permit shall not give rise to any right or claim against the holder of a senior right based upon the theories of forfeiture, abandonment, adverse possession, waiver, equitable estoppel, estoppel by laches or customary preference.
4. The Director retains jurisdiction of the permit and any license subsequently issued to incorporate the use into a water district, require streamflow augmentation or other action needed to protect prior surface water and groundwater rights.
5. Permit holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code.
6. Prior to the diversion of water under this permit a flow measurement port or other device as specified by the Department shall be installed to provide for the installation of measuring equipment and the determination of the rate of diversion by the Department.
7. The rate of diversion of water for irrigation under this permit and all other water rights on the same land shall not exceed 0.02 cubic feet per second for each acre of land.

MICROFILMED

APR 23 1990

State of Idaho
Department of Water Resources

Permit To Appropriate Water

NO. 35-08715

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

19th day of April, 1990.

R. Keith Higginson
for R. Keith Higginson, Director

MICROFILMED

APR 23 1990

RECEIVED

35-8715

Form 202
6/85

MAR 20 1990

Department of Water Resources
Eastern District Office

STATE OF IDAHO

Ident. No. _____

DEPARTMENT OF WATER RESOURCES

APPLICATION FOR PERMIT

To appropriate the public waters of the State of Idaho

1. Name of applicant James M. Pahl Phone 208-226-2731
Post office address 2174 So. 3200 W., American Falls, Idaho 83211
2. Source of water supply Groundwater which is a tributary of _____
3. Location of point of diversion is SW $\frac{1}{4}$ of NE $\frac{1}{4}$ of NE $\frac{1}{4}$, Govt. Lot _____
Sec. 22 Township 6 S Range 30 E B.M. Bingham County; additional
points of diversion if any: none
4. Water will be used for the following purposes:
Amount .41 for Irrigation purposes from 3-15 to 11-15 (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) 0.41 and/or (b) _____
cubic feet per second acre feet per annum
6. Proposed diverting works:
 - a. Description of ditches, flumes, pumps, headgates, etc. 150 hp motor, turbine pump,
2640' of 8" mainline, eight 4-5" wheel-line laterals,
 - b. Height of storage dam _____ feet; active reservoir capacity _____ acre-feet; total
reservoir capacity _____ acre-feet; period of year when water will be diverted to storage:
_____ to _____ inclusive.
 - c. Proposed well diameter is 18 inches; proposed depth of well is 240 feet.
 - d. Is ground water with a temperature of greater than 90°F being sought? no
7. Time required for the completion of the works and application of the water to the proposed beneficial use is
2 years (minimum 1 year).

MICROFILMED

APR 23 1990

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. _____

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.

TWP	RANGE	SEC.	NE¼				NW¼				SW¼				SE¼				TOTALS
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
6 S	30 E	22	38	39	40	39													156

Total number of acres to be irrigated 156

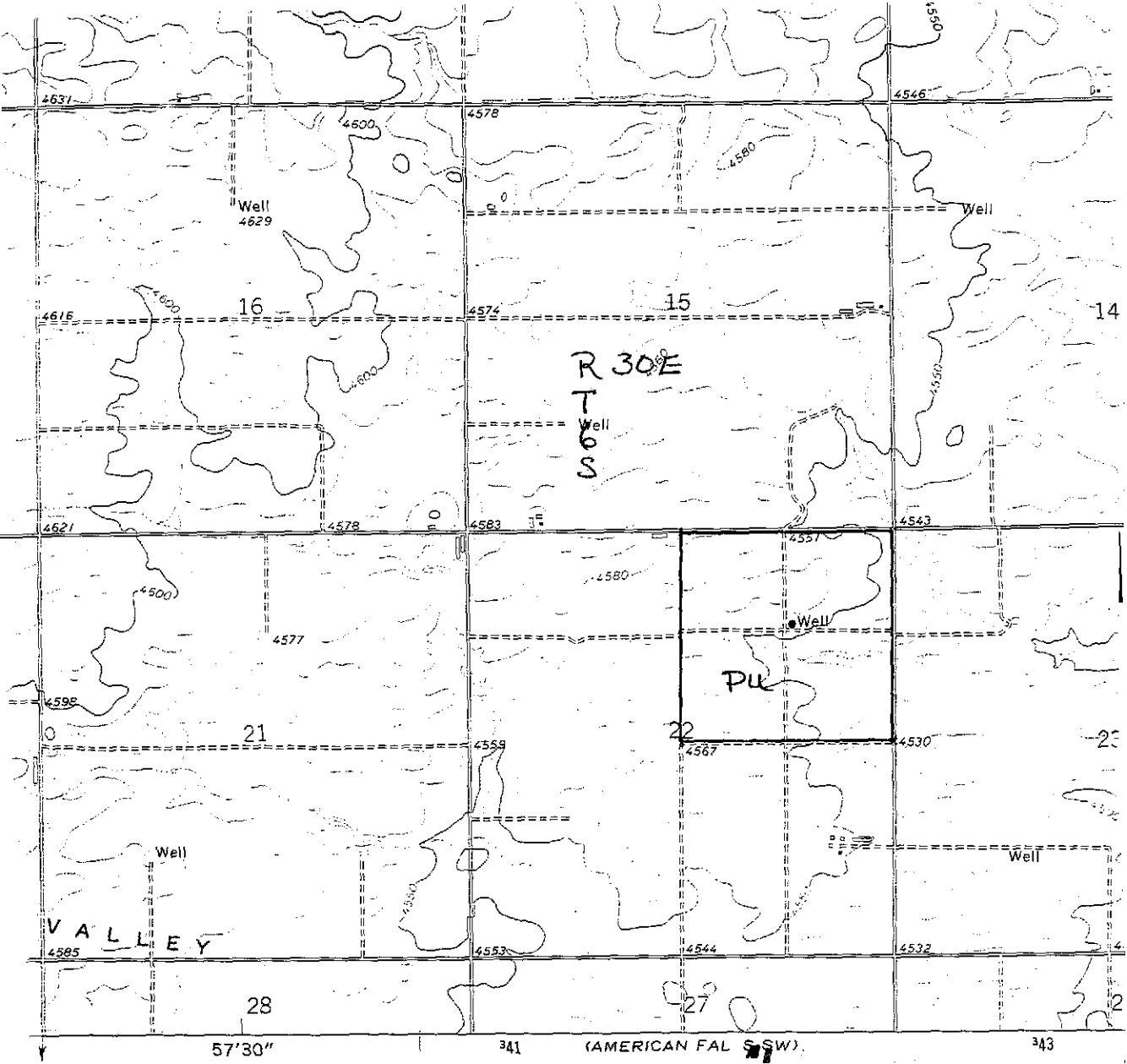
10. Describe any other water rights used for the same purposes as described above. Licenses
no. (G-26975) and no. 35-7434

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

12. Remarks: _____

MICROFILMED

APR 23 1990



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

T 6 S

R 30 E

SEC 22

NE 1/4

PT. OF DIV.

MICROFILMED

APR 23 1990

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.

~~(Applicant)~~

4500 Fee Req'd.

Received by HWT Date 3-20-89 Time 3:00pm Preliminary check by _____
Fee \$ 454 Receipted by HWT # E006252 Date 3-21-89
Publication prepared by RB Date 2-15-22-90 Published in Morning News
Publication approved aw Date 3-19-90

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. _____, and said application is hereby _____.

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 _____, 19 ____.
- c. The rate of diversion, if water is to be used for irrigation under this permit, when combined with all other water rights for the same land shall not exceed 0.02 cubic feet per second for each acre of land.
- d. The water right acquired under this permit if for hydropower purposes shall be junior and subordinate to all rights to the use of water, other than hydropower, within the State of Idaho that are initiated later in time than the priority of this permit and shall not give rise to any right or claim against any future rights to the use of water, other than hydropower, within the State of Idaho initiated later in time than the priority of this permit.
- e. Other:

MICROFILMED

APR 23 1990

State of Idaho

License and Certificate of Water Right

Water License No. G-26975

Amount 2.4 c.f.s.

Water District No.

Priority June 26, 1957

THIS IS TO CERTIFY that , ERNA RUFF
of American Falls, Idaho , made application for a permit to appropriate the
public waters of the State of Idaho, dated June 26 , 1957 ; that Permit No. G-26975
was issued under said application; that Certificate of Completion of works, with a carrying capacity of
2.4 second feet, was issued thereunder on June 16 , 1959 , showing that said works
were completed on the 9th day of September , 1958 ; and that on the 9th
day of September , 1958 ,

ERNA RUFF

of American Falls , State of Idaho , made proof to the satisfaction of the
State Reclamation Engineer of Idaho, of the right to use the waters of a well
, a tributary of subterranean flow , for the purpose of irrigation
, under Use Permit No. G-26975 of the Department of Reclamation
and that said right to the use of said waters has been perfected in accordance with the laws of Idaho,
and is hereby confirmed by the State Reclamation Engineer of Idaho and entered of record in Volume
11 of Licenses at page 6656 , on the 16 day of June , 1959 ;
The right hereby confirmed dates from June 26 , 1957 :

The Point of Diversion is located
in the NE 1/4 NE 1/4, Sec. 22 , Tp. 6 S., R. 30 E., B. Blaineham County

That the amount of water to which such right is entitled and hereby confirmed, for the purposes
aforesaid, is limited to an amount actually needed and beneficially used for said purposes, and shall
not exceed 2.4 cubic feet per second.

Description and location of use:

Twp.	Range	Sec.	Forty-acre Tract	No. Acres Described in Permit	No. Acres Actually Irrigated
6 S	30 E	22	NE 1/4 NE 1/4	40	40
			NW 1/4 NE 1/4	40	40
			SW 1/4 NE 1/4	40	40
			SE 1/4 NE 1/4	40	40
			Total number of acres to be irrigated		160

MICROFILMED
APR 23 1990

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

WITNESS, the seal and signature of the State Reclamation Engineer, affixed at Boise, Idaho, this

16 day of June , 1959 .

GEO. N. CARTER

State Reclamation Engineer.

(SEAL)

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

License of Water Right No. 35-7434 Priority July 26, 1974 Amount 0.31 cfs

THIS IS TO CERTIFY, that James M. Pehl
of American Falls, ID, has complied with the terms and conditions of Permit
No. 35-7434, issued pursuant to Application for Permit dated July 26, 1974,
and has submitted proof to the Department of Water Resources on September 2, 1975
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 2.65 cfs of water from a ground water 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
Irrigation	from April 1 to November 1	at 0.31 cfs and	131 acre feet
	from to at cfs and		
	from to at cfs and		

(both dates inclusive)

Subject, however, to the condition that no more than 0.31 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
131 acre feet per year, said waters to be diverted within the NE 1/4, Sec. 22, Twp. 6S,
Rge. 30E, B.M. in the County of Bingham

Description and location of place of use:

Twp.	Range	Sec.	NEW				NW 1/4				SW 1/4				SE 1/4				Totals
			NEW	NW 1/4	SW 1/4	SE 1/4	NEW	NW 1/4	SW 1/4	SE 1/4	NEW	NW 1/4	SW 1/4	SE 1/4	NEW	NW 1/4	SW 1/4	SE 1/4	
6S	30E	22	38	39	40	39													156

Total number of acres irrigated 156

CONDITION:

The maximum volume of water diverted under this license shall not exceed
546 acre feet when combined with License No. 35-2506.

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
March 1979

Deputy Director

NOT RECORDED
APR 23 1990

Use: IRRIGATION (.800 CFS).
Total Diversion: (.800 CFS).
Date Filed: 1/10/1989.
In: T04S R32E S31 SE3W.
40.0 ACRES TOTAL.

35-08705

MILES, RANDY L.
466 S. 1800 W.
PINGREE, ID 83262
Source: GROUNDWATER.
Diversion Pt: NESE Sec 25 T 03S R 32E.
Use: IRRIGATION (2.000 CFS).
Total Diversion: (2.000 CFS).
Date Filed: 1/16/1989.
In: T03S R32E S25 NESE NWSE SWSE SESE.
100.0 ACRES TOTAL.

35-08714

PAHL, JAMES M.
2174 S. 3200 W.
AMERICAN FALLS, ID 83211
Source: GROUNDWATER
Diversion Pt: NESWNW Sec 26 T 06S R 30E.
Use: IRRIGATION (.360 CFS).
Total Diversion: (.360 CFS).
Date Filed: 3/20/1989.
In: T06S R30E S26 NENW NWNW SWNW.
SENW.
158.0 ACRES TOTAL.

35-08715

PAHL, JAMES M.
2174 S. 3200 W.
AMERICAN FALLS, ID 83211
Source: GROUNDWATER
Diversion Pt: SWNE Sec 22 T 06S R 30E.
Use: IRRIGATION (.410 CFS).
Total Diversion: (.410 CFS).
Date Filed: 3/20/1989
In: T06S R30E S22 NENE NWNE SWNE SENE.
156.0 ACRES TOTAL.

35-08716

RUFF, ERNA
550 W. PARK
AMERICAN FALLS, ID 83211
Source: GROUNDWATER.
Diversion Pt: NESWNE Sec 27 T 06S R 30E.
Use: IRRIGATION (.600 CFS).
Total Diversion: (.600 CFS).
Date Filed: 3/20/1989.
In: T06S R30E S27 NENE NWNE SWNE SENE.
156.0 ACRES TOTAL.

35-08717

BEASLEY, DARRELL L.
BEASLEY, BONNIE A.
2445 W. 700 S.
STERLING, ID 83210
Source: GROUNDWATER
Diversion Pt: SWSW Sec 11 T 04S R 33E.
Use: IRRIGATION (.100 CFS).
DOMESTIC (.040 CFS).
Total Diversion: (.140 CFS).
Date Filed: 4/05/1989.
In: T04S R33E S11 SWSW.
5.0 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 Director, Dept. of Water Resources, 150 Shoup Ave., Suite 15, Idaho Falls, Idaho 83402 on or before MARCH 5, 1990.

R. Keith Higginson
Director

(688)
Pub.: 2/15; 22

RECEIVED

MAR 6 1990

Department of Water Resources
Eastern District Office

AFFIDAVIT of PUBLICATION

County of Bingham

State of Idaho

I, Ted Townsend
solemnly

swear that I am the Publisher of
The Morning 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: 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 issue or said

newspaper two consecutive weeks

the first publication having been made on the

15th day of February, 1990;
and the last publication having been made on the
22nd day of February, 1990;
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.

On this 28th day of February, in
the year 1990 before me a Notary Public of said State,
personally appeared

Ted Townsend
known or identified to me to be the person whose
name is 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 ex-
ecuted the same.

Kaye Dayton
Notary Public for the State of Idaho,
Residing at Blackfoot, Idaho
My commission expires
November 10, 1994

Affidavit Processing Fee..... \$5.00



State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720-9000

Phone: (208) 327-7900 FAX: (208) 327-7866

PHILIP E. BATT
GOVERNOR

KARL J. DREHER
DIRECTOR

September 30, 1996

JAMES M PAHL
2174 S 3200 W
AMERICAN FALLS ID 83211

RE: WATER RIGHT NOS. 35-08714 & 35-08715

Dear Water Right Holder(s):

Enclosed are copies of the Water Right Licenses issued on the above referenced permits. If you have any questions, please contact me within 10 days of receipt of these licenses.

Also, please note that as of July 1, 1996, water right owners are required to report any change of water right ownership and any change of mailing address to the department. If you have acquired a water right or have changed your mailing address PRIOR TO July 1, 1996, you have until July 30, 1998, to notify the department. If you acquire a water right or change your mailing address AFTER July 1, 1996, you must notify 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 to obtain the proper reporting form.

Sincerely,

Shelley W. Keen
Water Rights Supervisor

SK:ph

Enclosures

OCT 03 1996

LICENSE REVIEW CHECKLIST

PERMIT NO. 35-08715

DATE 9/23/96

REVIEWER: SHARLA

NAME	Change <u>—</u>	OK <u>✓</u>	Address Change <u>NO</u>
SOURCE	Change <u>—</u>	OK <u>✓</u>	Is change/clarification of originally intended source? <u>—</u> If not, prepare Notice of Intent to Void <u>—</u>
POINT OF DIV	Change <u>—</u>	OK <u>✓</u>	Amendment required <u>NO</u>
PLACE OF USE	Change <u>—</u>	OK <u>✓</u>	Amendment required <u>NO</u>

Does map agree with written description? ✓ yes — no

OVERLAPS

✓ P/D ✓ P/U 35-02506/07434

RATE OF DIV

Permitted Rate

.41 cfs

Fee limit

1.0 cfs \$100⁰⁰

Measured

3.36 cfs energy eff. evaluation

Theoretical

3.13 - 3.38 cfs 8 x 32 x 6.1 = 3.48 160 x 8.8 x .7 / 155 + (2.3 x 6.9) = 3.13

Recommended Total Div Rate .41 cfs

ANNUAL VOLUME/
NATURE OF USES

— ✓

Use Dr.

Volume Calculation

_____	af
_____	af
_____	af
_____	af
SUBTOTAL	af

Flow rate .41 cfs X 213 days X 1.98 = 172.9 af

Total volume recommended _____ af
(SUBTOTAL or Flow Rate, whichever is less)

REMARKS

Right 35-02506/07434/08715 when comb.
also limited to a total annual div. volume
of 624.0 af.

CONDITIONS — Watermaster Control WD# —

— GW Measurement/Measuring Device

231 Overlap

— Use-specific conditions 048,049, 8

Advancement of Priority Date Required — yes — no

SRBA Claim Filed N/A

Adjustment Memo —

1st Amend Letter N/A

2nd Amend Letter —

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED

JAN 22 1996

Department of Water Resources

A. GENERAL INFORMATION

Permit No. 35-8715

1. Owner: James M. Pahl

Phone No. 226-2731

Current Address: 2174 S. 3200 W American Falls, Id 83211

2. Accompanied by: Greg Pahl

EXAM. DATE: 7-24-91

Address: 3183 N Pleasant Valley Rd.

Phone No. 226-2778

Relationship to Permit Holder: Son

3. Source: ground water tributary to _____

B. OVERLAP REVIEW

1. Other water rights with same place of use: 35-02506 & 35-07434

☒ Copies Attached

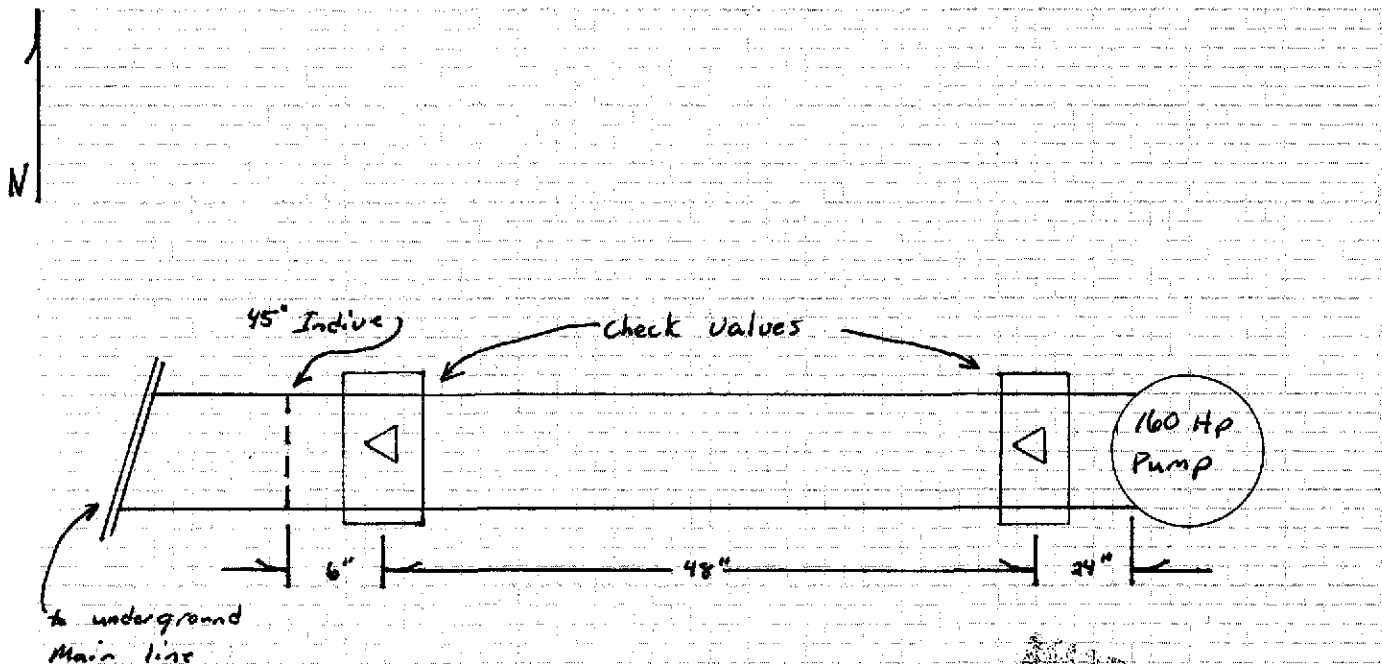
2. Other water rights with same point of diversion: 35-02506 & 35-07434

☐ Copies Attached

☐ Copies of Field Exam's Attached

C. SYSTEM DESCRIPTION

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



Scale: 1" = _____

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

☒ Photo of Diversion and System Attached

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

☒ Aerial Photo Attached

(required for irrigation of 10 acres or more).

OCT 03 1996

System Description (continued)

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

160 Hp pump to 10" pipe to 10" underground mainline to 3-4 mile wheel lines with 32, 6 gpm Flow control birds operating at 69 psi

* Flow measurement and pressure test performed by IDWR Energy Division.

☐ See Remarks on page 4 for continuation

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
	US Electric	160	C521374	Aurora	10" discharge

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

5. **Point(s) of Diversion:**

Ident. No.	Gov't. Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
		SW	NE	NE	22	6S	30E	Bighorn	Quad map + onsite inspection

6. **Place(s) of Use:**

Indicate Method of Determination

Twp.	Rge.	Sec.	NE 1/4				NW 1/4				SW 1/4				SE 1/4				Totals
			NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	
6S	30E	22	38	39	40	39													156

OCT 03 1988

Do not use this space

D. FLOW MEASUREMENTS

☐ Additional Data Sheets Attached

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

2. Measurements:

Measurements Done by IDWR Energy Division

E. FLOW CALCULATIONS

☒ Additional Computation Sheets Attached

1. Measured Method:

3.35 cfs capacity Found by IDWR Efficiency Exam in 1990

2. Alternate Method for Checking Purposes:

$$8 \times 32 \times 69 \text{ gpm} = 1536 \text{ gpm}$$

$$\frac{184.7 \text{ Hp} (8.814 \times .653)}{155' + (69 \text{ psi} \times 2.308)} = 1518.2 \text{ gpm}$$

F. PUMP EFFICIENCY DATA (Optional)

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

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

Water HP: (3) x (4) ÷ 8.8 = _____ (5)

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

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

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

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

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 156 \text{ acres} \times 40 \text{ ft} = 624$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = 0.41 \text{ cfs} \times 214 \text{ d} \times 1.9835 = 174$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 174 \text{ cfs}$$

2. Volume Calculations for Other Uses:

OCT 03 1996

H. REMARKS AND OVERLAP REVIEW ANALYSIS

Rights 35-02506 with 2.40 cfs }
35-07434 with 0.31 cfs } From same p.d. + same p.o.u.

as this permit 35-08715. Capacity found is 3.35 cfs.

Since a total of 2.71 is licensed this leaves 0.64 cfs available.

156 acs @ 0.02 cfs = 3.12 cfs (max allowed)
- 2.71 cfs (currently licensed)
0.41 cfs for licensing

I. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Irrigation	4-1	10-31	0.41 cfs	174 cfs
Totals:			0.41 cfs	174 cfs

2. Recommended Amendments

- ☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None
☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

J. AUTHENTICATION

Field Examiner's Name Gary Bass

Signature Gary Bass

Certification Date _____

Field Report Preparation Date _____

CONSULTANT SEAL

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

OCT 03 1996

ENERGY EFFICIENCY EVALUATION

By

IDAHO DEPARTMENT OF WATER RESOURCES

ENERGY DIVISION

RAIDERS-8715
OCT 03 1996



State of Idaho
DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720 - (208) 327-7900

CECIL D. ANDRUS

GOVERNOR

R. KEITH HIGGINSON

DIRECTOR

October 5, 1990

Mr. Jim Pahl
2174 S 3200 W
American Falls, ID 83211

Dear Mr. Pahl:

Enclosed are the results of the tests conducted last summer on your pumps.

The purpose of these tests is to identify pumps that may be inefficient and to determine energy-cost savings that could be realized if the pumps were rebuilt to original condition or replaced with new pumps.

Included in the report are the summarized data for your 150 horsepower and two 125 horsepower pumps. Also included is a flyer listing information about our low interest loan program. The loan program is designed to help irrigators make repairs or changes to their pumping systems which will help to conserve energy and lower utility bills.

I hope you find this information useful. If you have any questions, would like more information, or would like to have more pump tests done, please feel free to contact me at 327-7984.

Sincerely,

Jon Bowling
Agricultural Engineer (EIT)

35-8715
OCT 03 1990

PUMP TEST SUMMARY

OWNER OF PUMP: JIM PAHL

PUMP I.D.: FIELD 5&6

DATE OF PUMP TEST: 8/9/89

TOTAL DYNAMIC HEAD:

- A) PUMPING WATER LEVEL 155.00 FT (WATER LEVEL TO CENTER OF DISCHARGE PIPE)
- B) HEIGHT OF PRESSURE GAUGE 2.50 FT (CENTER OF DISCHARGE PIPE TO GAUGE)
- C) FRICTION LOSS 0.00 FT (PUMP INTAKE TO GAUGE)
- D) DISCHARGE PRESSURE 69.00 PSI (159.39 FT)

TOTAL DYNAMIC HEAD (A+B+C+D)= 316.89 FT

FLOW MEASUREMENT:

- | | |
|------------------|-------------|
| A) COLLINS METER | 0.00 GPM |
| B) HALL METER | 1506.98 GPM |
| C) ANNUBAR METER | 0.00 GPM |

INPUT HORSEPOWER:

$KW = 196.8 \text{ AMP} \times 459.0 \text{ VOLTS} \times 0.88 \text{ PF} \times 1.732 / 1000 = 137.84$

$HP = 1.34 \times 137.84 = 184.70$

WATER HORSEPOWER:

$HP = 1506.98 \text{ GPM} \times 316.89 \text{ TDH} / 3960 = 120.59$

PLANT EFFICIENCY:

$EFF = \text{WATER HP} / \text{INPUT HP} \times 100 = 65.29\%$

35-8715
OCT 03 1996

POTENTIAL ENERGY SAVINGS

OWNER OF PUMP: JIM PAHL

PUMP I.D.: FIELD 5&6

DATE OF PUMP TEST: 8/9/89

	FIELD 5&6 (150-HP)	
	PRESENT	POTENTIAL
OVERALL PUMPING PLANT EFFICIENCY (%)	65.3	73.6
ASSUMED ELECTRIC MOTOR EFFICIENCY (%)	92.0	92.0
PUMP EFFICIENCY (%)	71.0	80.0
TOTAL VOLUME OF WATER PUMPED (ACRE-FT/YR)	555.0	555.0
PUMP DISCHARGE (GPM)	1507.0	1507.0
PUMP OPERATION (HR/YR)	2000.0	2000.0
INPUT HORSEPOWER (HP)	184.7	163.8
INPUT POWER (KW)	137.8	122.2
ESTIMATED ENERGY USE (KWH/YR):	275671.	244463.

ESTIMATED ANNUAL SAVINGS:

TOTAL ENERGY SAVINGS (KWH/YR)*	31208.
ENERGY COST SAVINGS (\$/YR @ 2.68 CENTS/KWH)	\$ 837.79
DEMAND CHARGE SAVINGS (\$/SEASON)**	\$ 167.90
TOTAL COST SAVINGS (\$/YR)	\$ 1005.69

* ENERGY SAVINGS BASED ON INSTALLATION OF NEW BOWLS DESIGNED TO DELIVER THE TESTED DISCHARGE AND PRESSURE AT 80.0% PUMP EFFICIENCY, 92.0 % MOTOR EFFICIENCY, AND AN OVERALL EFFICIENCY OF 73.6%.

** DEMAND CHARGE SAVINGS COMPUTED ASSUMING PUMP OPERATES 4.0 MONTHS PER YEAR.

35-8715
OCT 03 1996

15

22-724515
2770

TCS
RSE

N48-
4.0
N48-
148.8

22

76.3

77.6

2

2858

22
27

#35-08715

76.5

168.7

OCT 03 1996

35-8715



35-8715

OCT 0 8 1996

May 3, 1991

JAMES M. PAHL
2174 S. 3200 W.
AMERICAN FALLS, ID 83211

PROOF ACKNOWLEDGMENT LETTER

RE: PERMIT NO. 35-08715

Dear Permit Holder:

The department acknowledges receipt of the proof of beneficial use form submitted for the above referenced permit. 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 this matter, please feel free to contact the EASTERN Regional Office in Idaho Falls at (208)525-7161.

Sincerely,

Rita Fleck
Secretary/Records Manager

c: IDWR - Region

MICROFILMED

MAY 31 1991

ANALYSIS SHEET
for
PROOF OF BENEFICIAL USE

Permit No. 35-8715

Date 4-30-91

GENERAL CONSIDERATIONS

y Name same as permit?
y Address same as permit? If no, indicate below.
y Proof timely received? If no, complete priority advancement below.

SOURCE OF WATER

 Surface water source
y Ground water source
 Drill permit req'd?
 Copy in file? Drill permit no.
 Amt paid for drilling permit? Correct?
 Well log in file?

LICENSE EXAMINATION FEE

y Required?
100.⁰⁰ Amount submitted?
y Correct amount?

MEASURING DEVICE

y Measuring device or access port required?
y Installed?
 Waiver requested or needed?

DEFICIENCIES OR ACTION ITEMS

*Proof acceptable
Well drilled in the 1950's*

PRIORITY CALCULATION

Date proof received
Date proof due -
No. of days late =
Priority date +
NEW PRIORITY DATE =

LB

138116
February 28, 1991

JAMES M. PAHL
2174 S. 3200 W.
AMERICAN FALLS, ID 83211

PROOF DUE NOTICE

RE: PERMIT NO. 35-08715

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 May 1, 1991. (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,

Rita Fleck
Secretary/Records Manager

Enclosures

RECEIVED
MAY 31 1991

S T A T E O F I D A H O

DEPARTMENT OF WATER RESOURCES

Statehouse
Boise, Idaho 83720
(208) 327-7900
April 19, 1990

JAMES M. PAHL
2174 S. 3200 W.
AMERICAN FALLS, ID 83211

PERMIT APPROVAL NOTICE

RE: PERMIT NO. P35-08715

Dear Permit Holder:

Enclosed is a copy of your approved application for permit. We direct your attention to the conditions of approval on the final page.

You should be aware that the groundwater you propose to divert is located within a drainage basin where surface waters are regulated during the months of low flow. It is possible that diversion of groundwater may have an adverse impact on these surface water flows. Information available to us at this time does not warrant refusing to issue permits in your area, but we do caution that diversions of groundwater are not allowed to deplete flows available for surface water users with earlier priority dates. Siting your well as far from surface sources as possible and casing out upper water producing zones may reduce the potential of interference.

Section 42-235, Idaho Code, requires that a "drilling permit" must be obtained from the department for all wells constructed after July 1, 1987. A drilling permit is a separate permit that must be issued in addition to your permit to appropriate water. Commencement of well construction or diversion of water under your permit to appropriate water is prohibited unless a drilling permit is obtained.

Be sure to note the special condition requiring you to install a measuring device, or a flow measurement port to provide for the installation of measuring equipment by the Department. Enclosed please find a list of measuring device options, and specifications for the installation of the flow measurement port.

MICROFILMED

APR 23 1990

We have enclosed a form entitled "Instructions for Proof of Beneficial Use". Please read the instructions carefully since you must take further action to develop this permit. Also enclosed for your convenience is a form entitled "Proof of Beneficial Use" that must be submitted to the Department when your project is completed. If development is complete, you may submit proof of beneficial use immediately.

Sincerely,

GARY SPACKMAN, Supervisor
Water Right Permits Section

GS: SC
Enclosures

MICROFILMED

APR 23 1990

Submitted for adv. ^{AP 3-21-89} HWS 4-12-89

No. 202a

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

NON-TRUST
HOLD FILE

APPLICATION FOR PERMIT ANALYSIS SHEET

35-8715

FIELD REVIEW BY James M. Pahl DATE 12 April 89 APPLICATION NUMBER _____

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 signator is required)
- ☒ Fee
- ☒ Yes ☐ No* In form to receipt

ADDITIONAL INFORMATION

- ☒ Overlapping place of use (Describe source & relationship to present application on the back.) All acres and the pd are covered by licenses 35-2506 and 35-7424
- ☒ Overlapping point of diversion
- ☐ Yes ☒ No Field check required
- ☐ Yes ☒ No 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 _____

Date Requested _____

RECEIVED
MAR 26 1990

Department of Water Resources

PROCESSING

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

ID 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
☐ Adjudication Bureau Unit ☐ Other _____

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 3-5-90

☐ 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. 01-POS

☒ Yes ☐ No Special conditions of approval or cover letter below. _____

☐ See below for additional information

Date of priority recommended 3-20-1989

By HGJ Date 3-21-90

STATE OFFICE REVIEW

P05, P23, P03, P16

48 49 46 016

☐ See below for additional information

By KW Date 4-13-90

ADDITIONAL INFORMATION

Conclusion - <016>

App. in NON-TRUST area -

allow 1 yr. for development -

08-Feb-1990

James M. Pahl
2174 S. 3200 W.
American Falls, ID 83211

RE: Application for Permit No. 35-8715 & 35-8714

Dear Water Right Applicant:

The Department of Water Resources acknowledges receipt of your water right permit. This office is currently in the process of advertising the application in the Morning News on. The advertisement will be published 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.

If the application is not protested, it will be forwarded to our state office in about five weeks. State office personnel will conduct a complete review prior to final processing of the application and will notify you of the outcome of this review. When a permit is issued, you will be sent a copy. A typical processing time for an unprotested application is about eight weeks.

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

Sincerely,

HAROLD W. JONES
Water Rights Supervisor

HWJ/rb

MICROFILMED

APR 23 1990

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
Eastern Region
150 Shoup Ave., Suite 15

Idaho Falls, Idaho 83402
(208) 525-7161

FEBRUARY 7, 1990

THE MORNING NEWS
P.O. BOX 70
BLACKFOOT, ID 83221

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 MARCH 5, 1990.

Yours truly,

Rita Bodell
Secretary

Encl.

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APR 23 1990

35-08715

PAHL, JAMES M.
2174 S. 3200 W.
AMERICAN FALLS, ID 83211

Source: GROUNDWATER

Diversion Pt: SWNE Sec 22 T 06S R 30E

Use: IRRIGATION (.410 CFS)
Total Diversion: (.410 CFS)

Date Filed: 3/20/1989

In: T06S R30E S22 NENE NWE SWNE SENE
156.0 ACRES TOTAL

MICROFILMED

APR 23 1990

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 Director, Dept. of Water Resources, 150 Shoup Ave., Suite 15, Idaho Falls, Idaho 83402 on or before MARCH 5, 1990.

R. Keith Higginson, Director

Published 2/15/1990 & 2/22/1990

MICROFILMED

APR 23 1990

April 17, 1989

James M. Pahl
2174 S. 3200 W.
American Falls, ID 83211

RE: Applications for Permit No. 35-8714 & 35-8715

Dear Water Right Applicant:

The Department of Water Resources acknowledges receipt of your applications for water right permit. The applications have been assigned the identification numbers listed above. Please refer to these numbers in all future correspondence.

The Department can not proceed with the processing of your application at this time. It seeks the appropriation of water within the area covered by the civil suit of Idaho Power Company vs. Idaho Department of Water Resources, et al., Ada County Civil No. 81375 (Swan Falls Suit). Until there has been a final resolution to this suit and rules and regulations promulgated for this area has been suspended. During the interim, your application will be held in this office.

The staff in our office will be glad to answer any questions you have concerning the above matter.

Respectfully submitted,

Harold W. Jones
Water Rights Supervisor
HWJ/rb

MICROFILMED

APR 23 1990

