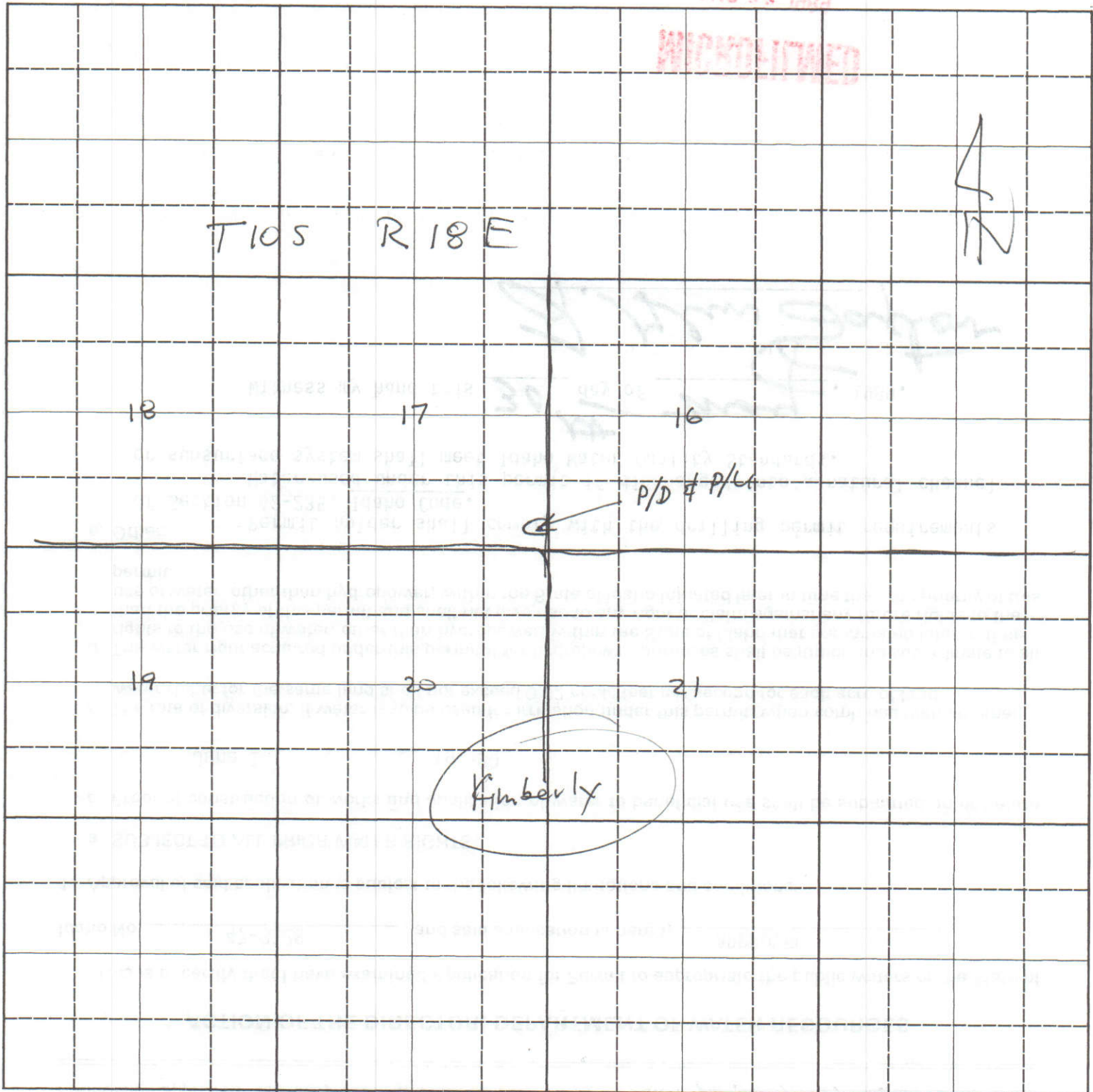


13. Map of proposed project: show clearly the proposed point of diversion, place of use, section number, township and range number.



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.

AUG 22 1989

METALS RESEARCH CORP

(Applicant

(Applicant)
Raj S. Wajak - SECRETARY

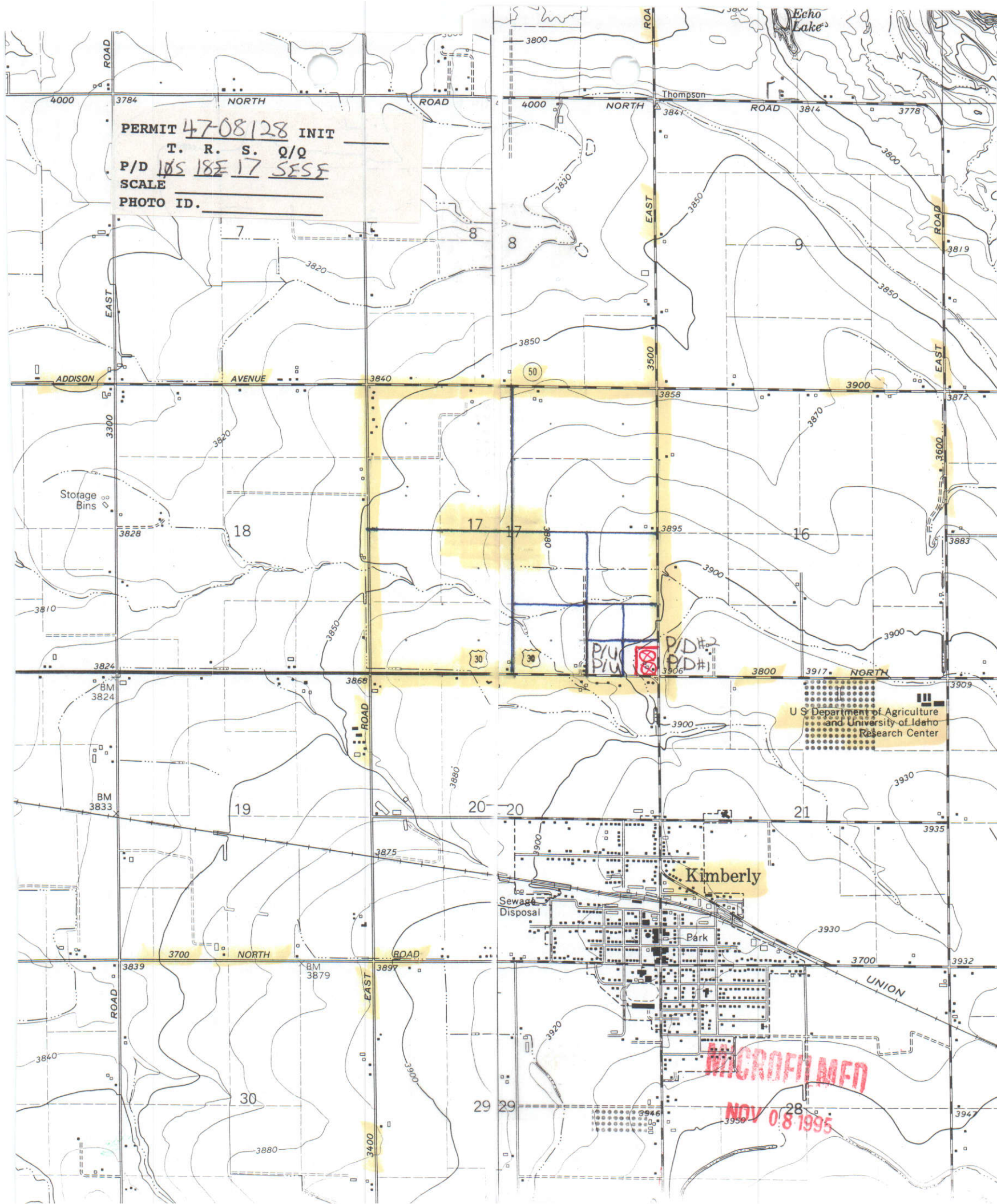
PERMIT 47-08128 INIT

T. R. S. Q/Q

P/D 105 18E 17 SESE

SCALE

PHOTO ID.



WR# 47-08128



P/D #1
(Well #1;
supplies &
diverts water
for the
industrial
P/Us)



P/D #2
(well #2;
diverts
water for
1 home &
lawn)

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NOV 08 1995

V # 47-08128



P/U #1
(holding tanks
for metals
extraction
process)



P/U #1
(Interior of
Plant Bldg.
#2)

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NOV 08 1995

1-3#47-08128



P/U #2
(Home &
lawn for
well # 2)



P/U #1
(Plant,
offices,
Laboratory
& shop for
well # 1)

NOV 08 1995

NOTICE OF CORRECTION

Notice is hereby given that Application for Permit No. 47-08128 in the name of Metals Research Corp. was advertised incorrectly on 2/2 and 2/9/1989. The source was omitted from the legal notice.

WHEREAS, the actual Source is groundwater.

Any protest to the above correction must be filed with the Idaho Department of Water Resources, 2148 Fourth Avenue East, Twin Falls, ID 83301 on or before 3/20/89.

R. Keith Higginson
Director

PUBLISH: Thursday,
March 2 and 9, 1989.

MICROFILMED

AUG 22 1989

RECEIVED

MAR 13 1989

Department of Water Resources
Southern Region Office

Affidavit of Publication

STATE OF IDAHO,
COUNTY OF TWIN FALLS }

ss.

I, Linda Capps McQuinn being first duly sworn upon oath, depose and say that I am Print Clerk of the TIMES-NEWS, published daily, at Twin Falls, Idaho, and do solemnly swear that a copy of the notice of advertisement, as per clipping attached, was published in the regular and entire issue of said newspaper, and not in any supplement thereof, for Two consecutive Weeks, commencing with the issue dated March 2, 1989, and ending with the issue dated March 9, 1989.

STATE OF IDAHO
COUNTY OF }

On this 10 day of March in the year of 1989, before me, a Notary Public, personally appeared Linda Capps McQuinn 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.

Heva R. Feltman
Notary Public for Idaho

Residing at Twin Falls County, ID
My commission expires: 5/19/94

Nº 19583

, effective February 16, t Sunday, and the Twin ich newspapers prior to ounty continuously and nths, and said TIMES- paper except Saturday, cation under said name

Thursday of each week ler of any court of com, will be published; and and in each issue there- published.

10 day of

ounty of Twin Falls,
in Falls, Idaho

NOTICE OF APPLICATION FOR WATER RIGHT

The following application(s) have been filed to appropriate the public waters of the State of Idaho:

47-08128

METALS RESEARCH CORP.

Rt. 1 Box 322

Kimberly, ID 83341

Diversion Pt: SESESE

Sec 17 T 10S R 18E

Use: DOMESTIC (.040 CFS)

INDUSTRIAL (.100)

Date Filed: 10/12/1988

In: T10S R18E S17 SESE

The permit(s) will be subject to all prior water rights. Protests must be filed with the Director, Dept. of Water Resources, Southern Region, 2148 4th Avenue East, Twin Falls, Idaho 83301 on or before February 20, 1989, R. Keith Higginson, Director

PUBLISH: Thursday, February 2 and 9, 1989.

Affidavit of Publication

Nº 19485

STATE OF IDAHO,

COUNTY OF TWIN FALLS }

ss.

I, Linda Copps McShive being first duly sworn upon oath, depose and say that I am Prinic Clerk of the TIMES-NEWS, published daily, at Twin Falls, Idaho, and do solemnly swear that a copy of the notice of advertisement, as per clipping attached, was published in the regular and entire issue of said newspaper, and not in any supplement thereof, for Two consecutive Weeks, commencing with the issue dated

February 2, 19 89, and ending with the issue dated February 9, 19 89.

STATE OF IDAHO }

COUNTY OF

On this 9 day of February in the year of 1989, before me, a Notary Public, personally appeared Linda Copps McShive 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.

MICROFILMED

AUG 22 1989

Bonnie Schurz
Notary Public for Idaho

Residing at Twin Falls

My commission expires: 9-6-94

lation, effective February 16, except Sunday, and the Twin of which newspapers prior to and county continuously and ve months, and said TIMES- newspaper except Saturday, publication under said name

Code, Thursday of each week by order of any court of com- weekly, will be published; and apers, and in each issue there- will be published.

McShive
9 day of

2 Schurz
the County of Twin Falls,
at Twin Falls, Idaho

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 47-08128

Priority: October 12, 1988

Maximum Diversion Rate:

0.09 CFS

Maximum Diversion Volume:

5.5 AF

This is to certify, that METALS RESEARCH CORP

RT 1 BOX 322

KIMBERLY ID 83341

has complied with the terms and conditions of the permit, issued pursuant to Application for Permit dated October 12, 1988; and has submitted Proof of Beneficial Use on April 6, 1990. An examination indicates that the works have a diversion capacity of 0.090 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>
INDUSTRIAL	01/01 to 12/31	0.09 CFS	4.3 AF
DOMESTIC	01/01 to 12/31	0.04 CFS	1.2 AF
	Totals	0.09 CFS	5.5 AF

LOCATION OF POINT(S) OF DIVERSION:

SESE , Sec. 17, Township 10S, Range 18E
TWIN FALLS County

PLACE OF USE: INDUSTRIAL

TWN RGE SEC

10S 18E 17 SESE

PLACE OF USE:

DOMESTIC, same as INDUSTRIAL use

CONDITIONS OF APPROVAL AND REMARKS

1. The maximum diversion volume is defined as the maximum allowable volume of water that may be diverted annually from the source under this right. The use of water confirmed by this right is limited to the amount which can actually be beneficially used. The maximum diversion volume may be adjusted to more accurately describe the beneficial use or to implement accepted standards of diversion and use efficiency.
2. This water right is appurtenant to the described place of use.
3. This right is subject to all prior water rights and may be forfeited by five years of non-use.
4. Modifications to or variance from this license must be made within the limits of Section 42-222, Idaho Code, or the applicable Idaho law.
5. Water used under this right if discharged into a natural channel or subsurface system shall meet Idaho Water Quality Standards.
6. Industrial use is for precious metal extraction.
7. Domestic use is for 1 home.

NOV 08 1985

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 47-08128

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 23RD
day of SEPTEMBER, 1995.


Acting for KARL J. DREHER, Director

RECEIVED
APR 6 1990

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
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.

Permit No. 47-08128 Telephone No. 423-4889

Name(s) of Permit Holder(s): METALS RESEARCH CORP.

Post Office Address: 3811 N. 3500 E, KIMBERLY, ID. 83341

Source of Water: WELLS (2)

If ground water, well driller's name: UNKNOWN Date drilled: APPROX. 1970

Extent of Use:
Domestic ✓ (No. of households) Irrigation _____ (No. of acres)
Stockwater _____ (No. and type of stock) Other INDUSTRIAL

Total rate and/or volume for which proof is submitted 0.1 cfs 10 acre/feet

Show date water was first diverted and beneficially used under this permit: 6/2/89

One of the following may be a condition of approval of your permit:

Measuring device: Required? Yes ✓ No Installed? Yes ✓ No

OR

Flow Measurement Port: Required? Yes ✓ No Installed? Yes ✓ No

Fee Enclosed: \$ 50.00 (See License Examination Fee Schedule)

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

ROY S. WOJCIK 423-4889
Name Telephone No.
3811 N 3500 E KIMBERLY IDAHO 83341
Address

MICKUTLMEB

The above information is my true statement of the extent to which the above numbered permit MAY 31 1990 has been developed and I relinquish any undeveloped portion of the permit to the state of Idaho.

4-3-90
Date

Roy S. Wojcik Secretary
Signature (and title if on behalf of a company or organization)

Form 202
12-85
RECEIVED

OCT 12 1988

Department of Water Resources
Southern Region Office

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT

Ident. No. 47-08128

APPROVED

To appropriate the public waters of the State of Idaho

1. Name of applicant Metals Research Corp. Phone 423-4889

Post office address Rt. 1 Box 322, Kimberly, Ida 83341

2. Source of water supply Groundwater which is a tributary of _____

3. Location of point of diversion is SE $\frac{1}{4}$ of SE $\frac{1}{4}$ of SE $\frac{1}{4}$, Govt. Lot _____

Sec. 17 Township 10S Range 18E B.M. Twins Fork County; additional

points of diversion if any: _____

4. Water will be used for the following purposes:

Amount 0.04 for Domestic purposes from 1/1 to 12/31 (both dates inclusive)
(cfs or acre-feet per annum)

Amount 0.10 for Industrial purposes from 1/1 to 12/31 (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) 0.10 cubic feet per second and/or (b) _____ acre feet per annum

6. Proposed diverting works:

a. Description of ditches, flumes, pumps, headgates, etc. two wells & pumps
delivering to pipeline network.

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~~ Existing well diameter is 6" inches; proposed depth of well is 350' 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 proposed beneficial use is
5 years (minimum 1 year).

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AUG 22 1989

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. 1
- e. Other; describe fully. Industrial Use is water used for precious metals recovery.

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	
10S	18E	17																D/I	

Total number of acres to be irrigated _____

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

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

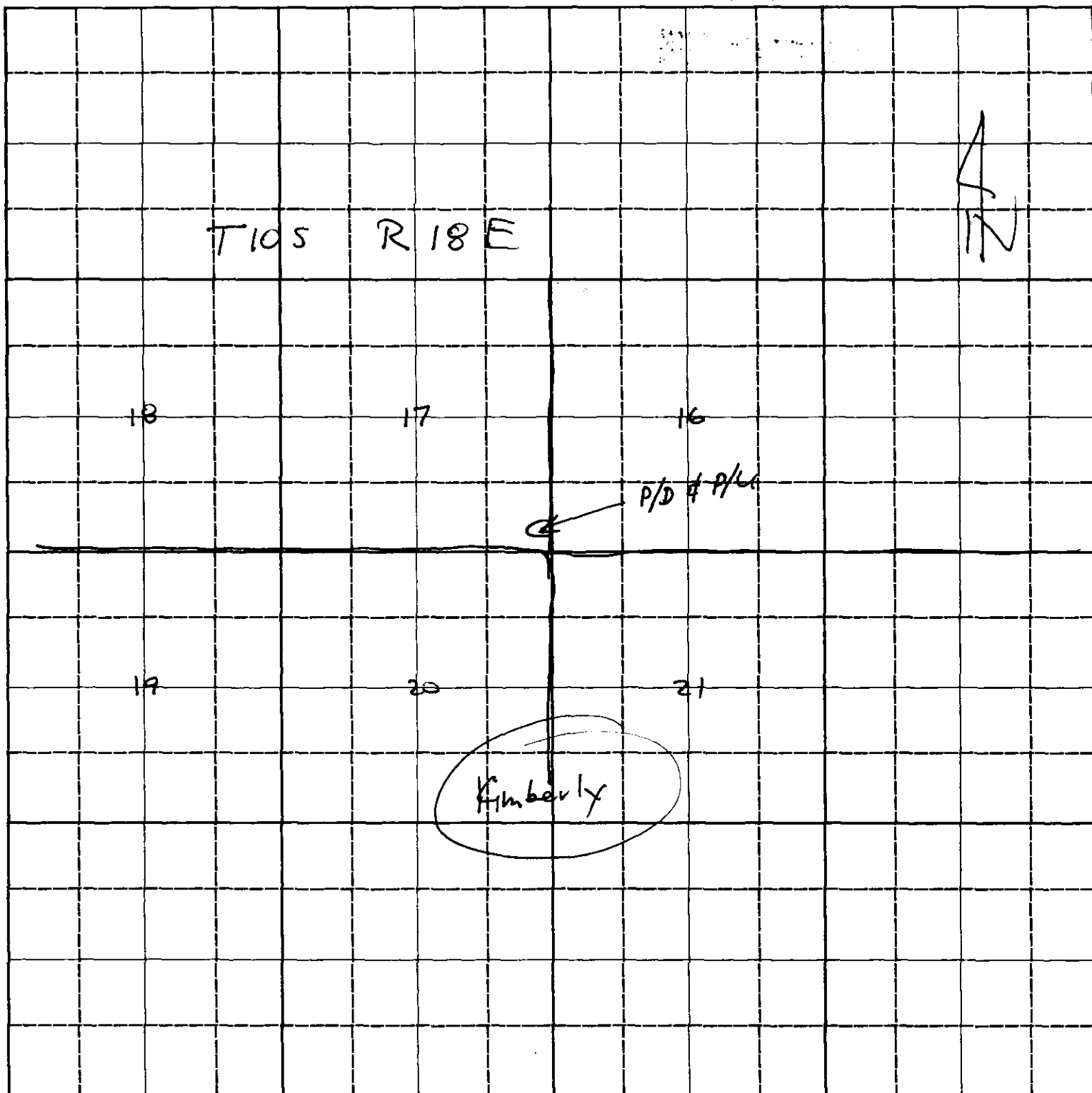
c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing. _____

12. Remarks: Wells were drilled around 1970

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AUG 26 1983

13. 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.

RECEIVED

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.

AUG 22 1989

METALS RESEARCH CORP.

(Applicant)

Ray A. Wyak - SECRETARY

Proposed Priority 10/12/88

Received by AD~ Date 10/12/88 Time 15:13 Preliminary check by LA

Fee \$ 30.00 Receipted by AD~ # 5002904 Date 10/12/88

Publication prepared by M. Baldwin Date 1/12/89 Published in Times News

Publication approved M. Baldwin Date 2/17/89, 3/14/89

ACTION OF THE DIRECTOR, DEPARTMENT OF WATER RESOURCES

This is to certify that I have examined Application for Permit to appropriate the public waters of the State of Idaho No. 47-8128, 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 June 1, 19 90.

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: Permit holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code.

Water used under this permit if discharged into a natural channel or subsurface system shall meet Idaho Water Quality Standards.

Witness my hand this 30th day of May, 1989.

A. Glen Saylor

MICROFILMED

AUG 22 1989

METALS RESEARCH CORPORATION

CUSTOM CARBON DESORPTION
MINERALS PROCESSING, PILOTING, AND CONSULTING

BUSINESS PHONE (208) 423-4889

RT. 1 — BOX 322

KIMBERLY, IDAHO 83341

RECEIVED

January 25, 1989

JAN 27 1989

Mr. Loren O. Holmes, P.E.
State Of Idaho
Department of Water Resources
Southern Region
2148 4th Ave. East
Twin Falls, Idaho 83301

Department of Water Resources
Southern Region Office

Mr. Holmes,

As per request of your letter of January 12, 1989, I am giving you a list of our corporate officers.

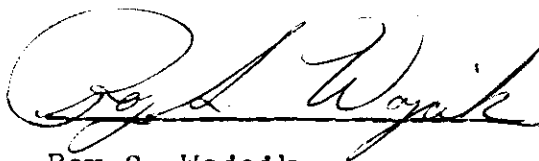
President ----- Charles W. Wojcik
1004 Del Mar Dr.
Twin Falls, Idaho

Vice President ----- Bruce C. Wojcik
Route 1 Box 322
Kimberly, Idaho

Secretary-Treasurer ----- Roy S. Wojcik
652 Main St. N.
Hansen, Idaho

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

Sincerely,



Roy S. Wojcik
Metals Research Corporation

MICROFILMED

AUG 22 1989



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 25, 1995

METALS RESEARCH CORP
RT 1 BOX 322
KIMBERLY ID 83341

RE: WATER RIGHT NO. 47-08128

Dear Water Right Holder(s):

Enclosed is a copy of the Water Right License issued on the above referenced permit. If you have any questions, please contact me within 10 days of receipt of this license.

Sincerely,

Shelley W. Keen
Water Rights Supervisor

SK:rl

Enclosure

NOV 08 1995

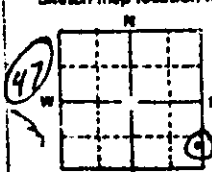
USE TYPE WRITER OR
BALL POINT PEN

State of Idaho
Department of Water Administration
WELL DRILLER'S REPORT

RECEIVED

State law requires that this report be filed with the Director, Department of Water Administration within 30 days after the completion or abandonment of the well.

APR 7 1975

1. WELL OWNER <i>John Lutz Builders</i> <i>Twin Falls Id.</i> Owner's Permit No. _____		7. WATER LEVEL Static water level <i>105</i> feet below land surface Flowing? ☐ Yes ☒ No G.P.M. flow _____ Temperature _____ F. Quality _____ Artesian closed in pressure _____ p.s.i. Controlled by ☐ Valve ☐ Cap ☐ Plug																																																																													
2. NATURE OF WORK ☒ New well ☐ Deepened ☐ Replacement ☐ Abandoned (describe method of abandoning) _____		8. WELL TEST DATA ☐ Pump ☒ Bailor ☐ Other Discharge G.P.M. _____ Draw Down _____ Hours Pumped _____																																																																													
3. PROPOSED USE ☒ Domestic ☐ Irrigation ☐ Test ☐ Other (specify type) _____ ☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection		9. LITHOLOGIC LOG <table border="1"><thead><tr><th rowspan="2">Hole Diam.</th><th colspan="2">Depth</th><th rowspan="2">Materials</th><th colspan="2">Water</th></tr><tr><th>From</th><th>To</th><th>Yes</th><th>No</th></tr></thead><tbody><tr><td>8</td><td>0</td><td>18</td><td></td><td></td><td></td></tr><tr><td>1</td><td>0</td><td>12</td><td>top soil</td><td></td><td></td></tr><tr><td>1</td><td>12</td><td>28</td><td>gray lava</td><td></td><td></td></tr><tr><td>1</td><td>28</td><td>43</td><td>red "</td><td></td><td></td></tr><tr><td>1</td><td>43</td><td>112</td><td>clay "</td><td></td><td></td></tr><tr><td>1</td><td>67</td><td>153</td><td>red lava</td><td></td><td></td></tr><tr><td>1</td><td>153</td><td>190</td><td>gray soft lava</td><td></td><td></td></tr><tr><td>1</td><td>190</td><td>267</td><td>hard red "</td><td></td><td></td></tr><tr><td>1</td><td>267</td><td>317</td><td>" clay "</td><td></td><td></td></tr><tr><td>1</td><td>317</td><td>336</td><td>light red "</td><td></td><td></td></tr><tr><td>1</td><td>336</td><td>357</td><td>black "</td><td></td><td></td></tr></tbody></table>		Hole Diam.	Depth		Materials	Water		From	To	Yes	No	8	0	18				1	0	12	top soil			1	12	28	gray lava			1	28	43	red "			1	43	112	clay "			1	67	153	red lava			1	153	190	gray soft lava			1	190	267	hard red "			1	267	317	" clay "			1	317	336	light red "			1	336	357	black "		
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1	336	357	black "																																																																												
4. METHOD DRILLED ☒ Cable ☐ Rotary ☐ Dug ☐ Other																																																																															
5. WELL CONSTRUCTION Diameter of hole <i>6</i> inches Total depth <i>150</i> feet Casing schedule: ☒ Steel ☐ Concrete Thickness <i>250</i> inches Diameter <i>6</i> inches From <i>19</i> feet inches inches feet feet inches inches feet feet inches inches feet feet inches inches feet feet Was a pecker or seal used? ☐ Yes ☒ No Perforated? ☐ Yes ☒ No How perforated? ☐ Factory ☐ Knife ☐ Torch Size of perforation _____ inches by _____ inches Number _____ From _____ To _____ perforations feet feet feet perforations feet feet feet perforations feet feet feet Well screen installed? ☐ Yes ☒ No Manufacturer's name _____ Type _____ Model No. _____ Diameter _____ Slot size _____ Set from _____ feet to _____ feet Diameter _____ Slot size _____ Set from _____ feet to _____ feet Gravel packed? ☐ Yes ☒ No Size of gravel _____ Placed from _____ feet to _____ feet Surface seal depth <i>19</i> Material used in seal ☒ Cement grout ☐ Pudding clay ☐ Well cappings Sealing procedure used ☐ Shurry pit ☐ Temporary surface casing ☒ Overbars to seal depth																																																																															
6. LOCATION OF WELL Sketch map location must agree with written location.  Subdivision Name _____ Lot No. _____ Block No. _____ County <i>Twin Falls</i> S.E. x S.E. x Sec. <i>17</i> T. <i>10S</i> N. x R. <i>18E</i> E/W		10. Work started <i>Mar 11-75</i> finished <i>Apr 25</i>																																																																													
11. DRILLERS CERTIFICATION Firm Name <i>Harry Thomas Well Drilling</i> Firm No. <i>8</i> Address <i>1691 Kimes Ave</i> Phone <i>2-275</i> Signed by (Firm Official) <i>Harry O. Thomas</i> and _____ (Operator)		12. NOV 08 1995 <i>Example</i>																																																																													

USE ADDITIONAL SHEETS IF NECESSARY

FORWARD THE WHITE COPY TO THE DEPARTMENT

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED
AUG 15 1995

Department of Water Resources

A. GENERAL INFORMATION

1. Owner: Metals Research Corp. Permit No. 47-08128
Current Address: Rt. 1, Box 322, Kimberly, ID 83341 Phone No. (208) 423-4889
2. Accompanied by: Bruce & Ray Wojcik EXAM. DATE: 7/18/95
Address: Same Phone No. Same
Relationship to Permit Holder: Co-owners
3. Source: Groundwater tributary to none

B. OVERLAP REVIEW

1. Other water rights with same place of use: None ☐ Copies Attached
2. Other water rights with same point of diversion: None ☐ 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

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NOV 08 1995

Scale: 1" = _____

2. ☒ Copy of U.S.G.S. Quadrangle Attached ☐ Aerial Photo Attached
Showing location(s) of point(s) of diversion and (required for irrigation of 10 acres or more).
place(s) of use (required).
☒ Photo of Diversion and System Attached
(required for all but single household domestic groundwater, and stockwater).

System Description (continued)

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

Well #1: A 6" well, with a 3.0 hp submersible pump & motor, diverts water to an industrial complex of plant facilities, offices, laboratory & shop buildings for the purpose of precious metals extraction and recovery. There are 10 full-time employees plus 1 part-time employee.
 Well #2: This 6" well, with a 1.5 hp. submersible pump & motor, diverts water to 1 home & lawn (domestic use).

☐ 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
Well #1	Sta-rite	3.0	F85	Sta-rite	Unknown
Well #2	Sta-rite	1.5	Unknown	Sta-rite	Unknown

*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
Well #1		SE	SE	SE	17	10S	18E	Falls	Photo Quad
Well #2		"	"	"	"	"	"	"	" "

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

Indicate Method of Determination On-site exam

Twp.	Rge.	Sec.	NE 1/4				NW 1/4				SW 1/4				SE 1/4				Totals
			NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	
10S	18E	17																	DI

RECORDED

NOV 08 1995

Do not use this space

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:

No measurements

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

1. Measured Method:

$$Q (W\#1) = \frac{(3.0)(8.8)(0.7)}{[(2.31 \times 40) + 210]} = .06 \text{ cfs}$$

2. Alternate Method for Checking Purposes:

$$Q (W\#2) = \frac{(1.5)(8.8)(0.7)}{[(2.31 \times 40) + 210]} = .03 \text{ cfs}$$

F. PUMP EFFICIENCY DATA (Optional)

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

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

Water HP: (3) x (4) ÷ 8.8 = _____ (5)

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

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

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

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

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$ _____

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

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

2. Volume Calculations for Other Uses:

Summary of annual (industrial)

Volume:

Precious Metals Recovery process: $5,000 (\text{g.p.d.}) \times 260 (\text{days}) = 4.0 \text{ af}$

$10.5 (\text{full-time employees}) \times 30 (\text{g.p.d.}) \times 260 (\text{days}) = .25 \text{ af}$

Domestic home & lawn:

$325,850$

$\text{Total} = \frac{1.20}{5.45 \text{ af}}$

H. REMARKS AND OVERLAP REVIEW ANALYSIS

The ponds on the property are not connected to a P/D. The amount of water used daily for metals extraction & recovery is approximately 5,000 gals. The recommended rates of diversion are based on the capacities of the 2 wells to supply water.

No overlaps were found.

I. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
* Domestic	1-1	12-31	.03	1.2
Industrial	1-1	12-31	.06	4.25
Totals:			.09	5.45

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

Bruce Campbell

Signature

Bruce Campbell

Certification Date

8/14/95

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.

* See adjustment memo. *BC*

MICROFILMED

NOV 08 1995

MEMORANDUM

TO: File 47-08128 / Metals Research Corp.
FROM: Brenda Chapman
DATE: September 7, 1995
RE: Recommendation Adjustment(s)

=====

The final licensing recommendations for Right 47-08128 are based on the information below:

C. DIVERSION AND DELIVERY SYSTEM

1. Point of Diversion: I contacted the permit holder and he stated that the two wells are indeed connected; therefore, it is not necessary to limit the industrial use rate to the capacity of one well (well #1 on the exam).

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use	Rate of Div	Annual Vol
Industrial	1-01 to 12-31	.09	4.3
Domestic	1-01 to 12-31	.04	1.2

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NOV 08 1995

Alternative Diagram

METALS RESEARCH CORPORATION

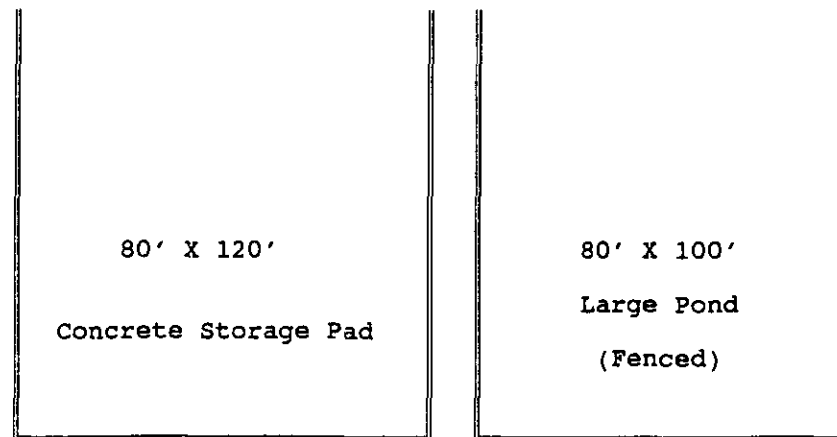
Lay-Out of Company Owned Buildings
and Permanent Structures

PERMIT 47-08128 INIT

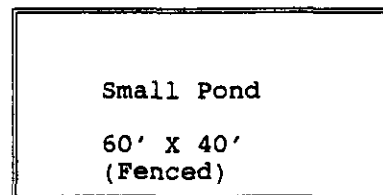
T. R. S. Q/Q
P/D 105 18E 17 SESE

SCALE

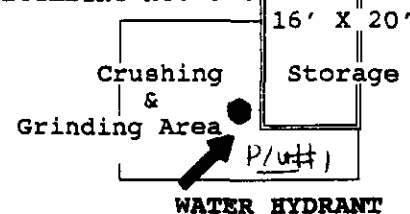
PHOTO ID.



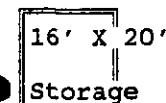
Open Area



BUILDING NO. 6



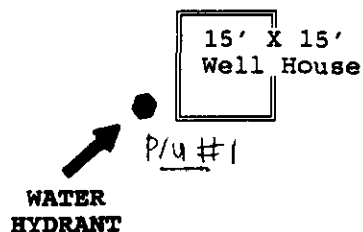
BUILDING NO. 7



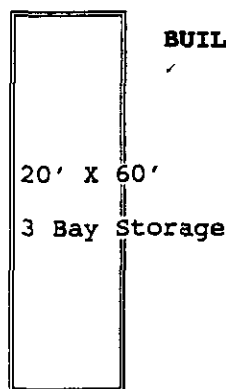
P/U #1
WATER
HYDRANT

Open Area

NOV 08 1995



Drive-through



BUILDING NO. 5

Well #1
(P/D #1)

P/U #1
BUILDING NO. 3
Steel 40' x 45'
Metals Recovery
Carbon Building
No. 2

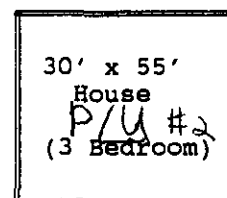
P/U #1
BUILDING NO. 4
Steel 41' x 40'
Offices & Break
Room

BUILDING NO. 1
P/U #1
Cinder Block
40' x 60'

Laboratory &
Shop
Melting Furnaces

Metals Extraction
& Recovery
BUILDING NO. 2
P/U #1
Steel 40' x 65'
Carbon Building NO. 1

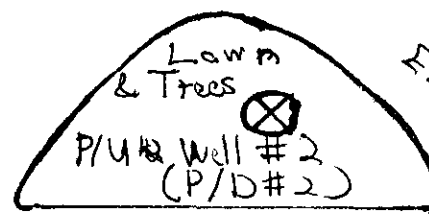
Parking Area



Lawn
&
Trees
P/U #2

Drive-through

Entrance



Entrance

3500 East Rd.

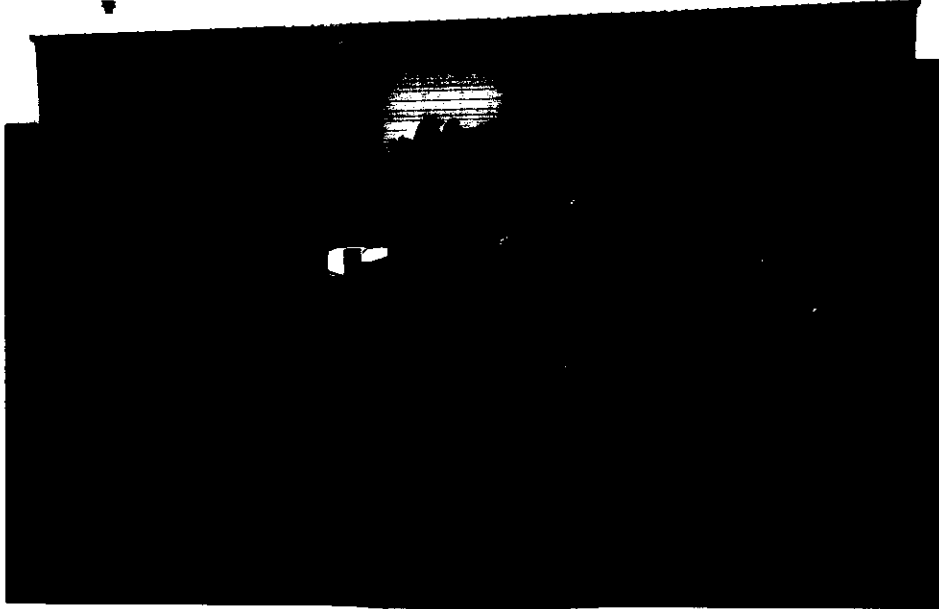
PHOTO ID.

BM
3833

~~Kimberly~~

NOV 08 1995

IR# 47-08128



P/D #1
(Well #1;
supplies &
diverts water
for the
industrial
P/Us)



P/D #2
(well #2;
diverts
water for
1 home &
lawn)

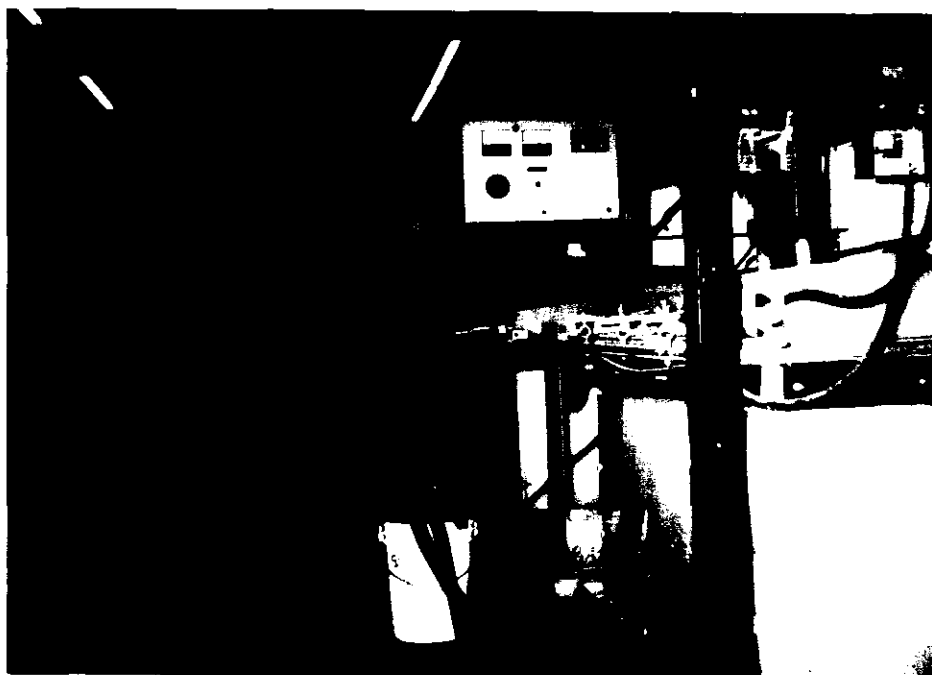
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NOV 08 1995

V-# 47-08128



P/U #1
(holding tanks
for metals
extraction
process)



P/U #1
(Interior of
Plant Bldg.
#2)

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NOV 08 1995

1-3 #47-08128 -



P/U #2
(Home &
lawn for
well # 2)



P/U #1
(Plant,
offices,
Laboratory
& shop for
well # 1)

NOV 08 1995



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

47-8128

CECIL D. ANDRUS
GOVERNOR

R. KEITH HIGGINSON
DIRECTOR

M E M O R A N D U M

DATE: JULY 31, 1992 139377

TO: WATER RIGHT HOLDERS AND APPLICANTS IN TWIN FALLS
LOW-TEMPERATURE GEOTHERMAL MORATORIUM AREA

FROM: NORM YOUNG

RE: EXTENSION OF MORATORIUM

Enclosed is a copy of an order extending the order designating the Twin Falls Low-Temperature Geothermal Moratorium Area. I appreciated the attendance of many of the users at the public information meeting on this matter held in Twin Falls last week. I understood those in attendance favored an extension of the moratorium, and some of the users were encouraging that the size of the area be increased and that additional actions be taken to protect artesian pressures. I indicated at the meeting that the moratorium would be extended without modification to keep its continuity and that IDWR will schedule as time and resources permit a review of the following matters:

- Expansion of the area.
- The need for repair or reconstruction of wells in and adjacent to the area.
- Evaluate the adequacy of the agreement to manage pumpage to prevent withdrawal in excess of the average rate of recharge or to maintain artesian pressures in the public interest.
- Review need for and adequacy of monitoring programs.

With respect to monitoring, the data recorded by the USGS from the well at the Nazarene Church is an important part of the information now being collected. The Church will soon be finished and will be using water from the well. Data from an unused well is more reliable for evaluating aquifer conditions. USGS and IDWR are evaluating alternatives for replacing this source of data. If you are aware of a well that is finished into the low-temperature geothermal aquifer and is not being used, please call Loren Holmes, IDWR Regional Manager at Twin Falls, a call at 736-3033.

RECEIVED

NOV 08 1992

May 21, 1990

METALS RESEARCH CORP.
RT. 1 BOX 322
KIMBERLY, ID 83341

PROOF ACKNOWLEDGMENT LETTER

RE: PERMIT NO. 47-08128

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 SOUTHERN Regional Office in Twin Falls at (208)734-3578.

Sincerely,

Rita Fleck
Secretary/Records Manager

c: IDWR - Region

RECEIVED

MAY 31 1990

138508

March 31, 1990

METALS RESEARCH CORP.
RT. 1 BOX 322
KIMBERLY, ID 83341

PROOF DUE NOTICE

RE: PERMIT NO. 47-08128

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 June 1, 1990.

(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

MICROFILMED

MAY 31 1990

S T A T E O F I D A H O
D E P A R T M E N T O F W A T E R R E S O U R C E S

Statehouse
Boise, Idaho 83720
(208) 334-7900
June 2, 1989

METALS RESEARCH CORP.
RT. 1 BOX 322
KIMBERLY, ID 83341

P E R M I T A P P R O V A L N O T I C E

RE: PERMIT NO. 47-08128

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.

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.

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

AUG 22 1989

Affidavit of Publication

Nº 19583

STATE OF IDAHO,
COUNTY OF TWIN FALLS }

ss.

OK
pb
3/14/89
I, Linda Capps McSwine being first duly sworn upon
oath, depose and say that I am Print Clerk of the TIMES-NEWS,
published daily, at Twin Falls, Idaho, and do solemnly swear that a copy of
the notice of advertisement, as per clipping attached, was published in the regular and
entire issue of said newspaper, and not in any supplement thereof, for Two
consecutive Weeks, commencing with the issue dated
March 2, 1989, and ending with the issue dated
March 9, 1989.

STATE OF IDAHO
COUNTY OF }

On this 10 day of March in the year of 1989, before me,
a Notary Public, personally appeared Linda Capps McSwine
known or identified to me to be the person whose name subscribed to the within instru-
ment, and being by me first duly sworn, declared that the statements therein are true,
and acknowledged to me that he executed the same.

, effective February 16,
t Sunday, and the Twin
ich newspapers prior to
ounty continuously and
nths, and said TIMES-
paper except Saturday,
cation under said name

Thursday of each week
ler of any court of com-
will be published; and
and in each issue there-
published.

10 day of

Debra R. Feltman
Notary Public for Idaho

Residing at

My commission expires:

Twin Falls County, ID
5/19/94

ounty of Twin Falls,
in Falls, Idaho

MICROFILMED

AUG 22 1989

RECEIVED

MAR 13 1989

Department of Water Resources
Southern Region Office

17-Feb-1989

Times News
P.O. Box 548
Twin Falls, ID 83301

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.

It is our understanding that this publication of the correction notice will be at no charge to the Department. Enclosed please find copies of the legal notice originally submitted for publication and a copy of the actual publication with the errors circled in red.

Please send the affidavit of publication and publication billing to this office before March 20, 1989.

Very truly yours,

Mary Baldwin
Secretary/Office Coordinator

Enclosures (3)
Original legal notice
copy of first publication affidavit
Notice of Correction legal

MICROFILMED

AUG 22 1989

NOTICE OF CORRECTION

Notice is hereby given that Application for Permit No. 47-08128 in the name of Metals Research Corp. was advertised incorrectly on 2/2 and 2/9/89. The source was omitted from the legal notice.

WHEREAS, the actual Source is groundwater.

Any protest to the above correction must be filed with the Idaho Department of Water Resources, 2148 Fourth Avenue East, Twin Falls, ID 83301 on or before 3/20/89.

R. KEITH HIGGINSON, DIRECTOR

Published in Times News on 3/2 & 3/9/89

MICROFILMED

AUG 24 1989



State of Idaho

DEPARTMENT OF WATER RESOURCES

Southern Region, 2148 4th Ave. East, Twin Falls, Idaho 83301 (208) 734-3578

CECIL D. ANDRUS
Governor

R. KEITH HIGGINSON
Director

12-Jan-1989

Metals Research Corp.
Rt. 1 Box 322
Kimberly, ID 83341

Re: Application for Permit No. 47-08128

Dear Applicant (s):

The Department of Water Resources acknowledges receipt of your water right application for permit. The application has been assigned the above referenced identification number. Please refer to this number in all further correspondence.

This office will be advertising the application in the Times News on 2/2 & 2/9/89. 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 unopposed application is about eight weeks. We need a list of corporate officers, please.

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

Very truly yours,

Loren O. Holmes, P.E.
Southern Region Manager

LH:MB

MICROFILMED

AUG 22 1989

NOTICE OF APPEAL

The following application(s) have been filed in accordance with the provisions of the Idaho Code, Chapter 12, Section 12-101, et seq.

WATER RIGHTS RESEARCH

Box 1 Box 322
Twin Falls, ID 83301
Attention: Mr. SESESE
Box 171100 R/100
Twin Falls, ID 83301 (040)
OFF

INDUSTRIAL (1100)
Date Filed 02/27/89
In: 1100 R/100 S/17 SESE

The permittee will be subject to all prior water rights. Protests must be filed with the Director, Dept. of Water Resources, Southern Region, 2148 4th Avenue East, Twin Falls, Idaho 83301 on or before February 20, 1989.
R. Mark Hodgson, Director
PUBLISHED: Thursday, February 2 and 9, 1989.

Affidavit of Publication

STATE OF IDAHO,
COUNTY OF TWIN FALLS }

ss.

Nº 19485

I, Linda Capps McSwine being first duly sworn upon oath, depose and say that I am Print Clerk of the TIMES-NEWS, published daily, at Twin Falls, Idaho, and do solemnly swear that a copy of the notice of advertisement, as per clipping attached, was published in the regular and entire issue of said newspaper, and not in any supplement thereof, for Two consecutive Weeks, commencing with the issue dated February 2, 1989, and ending with the issue dated February 9, 1989.

STATE OF IDAHO
COUNTY OF }

On this 9 day of February in the year of 1989, before me, a Notary Public, personally appeared Linda Capps McSwine 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 that he subscribed to me that he executed the same.

MICROFILMED

AUG 22 1989

Bonnie Schulz
Notary Public for Idaho
Residing at Twin Falls
My commission expires: 9-6-94

lation, effective February 16, except Sunday, and the Twin of which newspapers prior to and county continuously and ve months, and said TIMES-newspaper except Saturday, publication under said name

Code, Thursday of each week by order of any court of com- weekly, will be published; and apers, and in each issue there- will be published.

McSwine
9 day of
2 Schulz
the County of Twin Falls,
at Twin Falls, Idaho

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
Southern Region
2148 4th Avenue East
Twin Falls, ID 83301
(208)734-3578

JANUARY 12, 1989

TIMES NEWS
P.O. BOX 548
TWIN FALLS, ID 83303-548

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 FEBRUARY 20, 1989.

Yours truly,

Mary Baldwin
Secretary/Office Coordinator

Enclosure

MICROFILMED

AUG 22 1989

NOTICE OF APPLICATION FOR WATER RIGHT

The Following application(s) have been filed to appropriate the public waters of the State of Idaho:

47-08128

METALS RESEARCH CORP.
RT. 1 BOX 322
KIMBERLY, ID 83341

Source: GROUNDWATER

Diversion Pt: SESESE Sec 17 T 10S R 18E

Use: DOMESTIC (.040 CFS)
INDUSTRIAL (.100 CFS)

Date Filed: 10/12/1988

In: T10S R18E S17 SESE

The permit(s) will be subject to all prior water rights. Protests must be filled with the Director, Dept. of Water Resources, Southern Region, 2148 4th Avenue East, Twin Falls, Idaho 83301 on or before FEBRUARY 20, 1989.

R. KEITH HIGGINSON, Director

Published 2/02/1989 & 2/09/1989

MICROFILMED

AUG 22 1989