

RECEIVED
APR 28 1975

Department of Water Resources
Eastern District Office

Affidavit of Publication

THE RIGBY STAR

STATE OF IDAHO, }
County of Jefferson } ss.

I, Hope B. Jones, do solemnly swear that I am the printer of THE RIGBY STAR, a weekly newspaper as defined by Idaho Codes Annotated Section 58-106 as amended, and that said newspaper is a weekly newspaper, printed and published at Rigby, Jefferson County, Idaho, having a general circulation in said county, and that said newspaper has been printed and published as a weekly newspaper, in said county for more than 78 consecutive weeks prior to the first publication of the attached notice.

And affiant further says that at the times herein mentioned said newspaper as per clipping attached, was published in said newspaper in the regular and entire issue thereof, and not in any supplement issue thereof, for

Two Consecutive issues thereof; first publication having been made on the

17th day of *April*, 19*75*

and the last publication on the

24th day of *April*, 19*75*

And affiant further says that at the times herein mentioned said newspaper was made up of at least four pages of at least five columns each printed from type matter of at least seventeen and three-fourths inches depth, and that there are at least two hundred bonafide subscribers in Jefferson County.

Hope B. Jones

Subscribed in my presence and sworn to before me this *25th*

day of *Apr*, 19*75*
(SEAL)

Thomas Swager

Notary Public for the State of Idaho,
Residence and P. O. Address, Rigby, Idaho.

My commission expires *1 Sept*, 19*78*

Publication Fee: \$_____

wp
**NOTICE OF APPLICATION
FOR WATER PERMIT**

Notice is hereby given that Harry E. Machen, Hamer, Idaho has on 4-9-75 submitted Application No. 31-7160 for a permit to appropriate 2.35 cubic feet per second of water from a ground-water source by means of well and pump within the SE1/4NW1/4, Sec. 28 T. 7N. R. 36E, B.M., Jefferson County; to be used from Apr. 1 to Nov. 1 for the irrigation of 140 acres within the NW1/4, Sec. 28, T. 7N. R. 36E, 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 May 5, 1975.

R. KEITH HIGGINSON

Director

Published in The Rigby Star, Rigby, Idaho on April 17 and April 24, 1975

MICROFILMED

7-36-28 M-6 28



MICROFILMED

"NOT TO SCALE"

ENC 1/13/77

R 36E

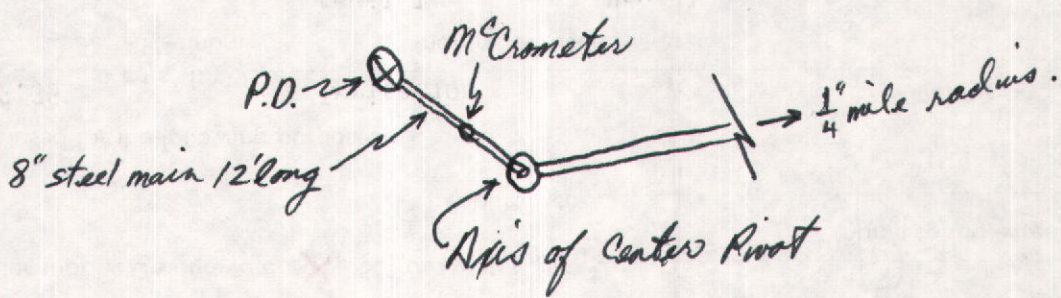
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28

Diagram of System

N.



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1/13/77

DEPARTMENT OF WATER RESOURCES
- STAFF ANALYSIS -

Item Initial Date

Application No.

Harry E
31-7160 Mochen

- ☒ 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

(1) KDF 4-10-75

In form to receipt

(2) " "

Send Copies to:

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

(3) " "

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

(4) " "

In form for advertising

(5) " "

Platted on Map No. 7N36E

(6) " "

Located within Water District No. 31

(7) " "

Critical groundwater area: yes no L

(8) " "

Groundwater levels:

Declining, Stable, Increasing

(comment) Ref. obs. well 7N-36E-22 abd4

(9) " "

Other rights on the same place of use

(10) " "

Comments: Lic # 31-2291, 44 acres in N1/4 Sec 28
Prorated has 45 a/s for the 44 acres.

(11) OW 4-28-75

Affidavit of Publication received(date) April 28, 1975

(12) MB 5-5-75

Final date for protests May 5, 1975
Protests received: yes no X

(13) RDC 5/5/75

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

(14) " "

Action recommended:

Approve Deny

4/9/75 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 5/5/75

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MAY 6 1975
Department of Water Resources

Copy
of

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

License of Water Right No. 31-7160 Priority April 9, 1975 Amount 2.23 cfs

THIS IS TO CERTIFY, that HARRY E. MACHEN
of Hamer, Idaho, has complied with the terms and conditions of Permit
No. 31-7160 issued pursuant to Application for Permit dated April 9, 1975,
and has submitted proof to the Department of Water Resources on June 20, 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 2.98 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>2.23</u> cfs and	<u>402 acre feet</u>
	from _____ to _____	at _____ cfs and	
	from _____ to _____	at _____ cfs and	

(both dates inclusive)

Subject, however, to the condition that no more than 2.23 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
402 acre feet per year, said waters to be diverted within the SE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 28, Twp. 7N,
Rge. 36E, B. M. in the County of Jefferson

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 $\frac{1}{4}$	
7N	36E	28					32	31	35	36									134

Total number of acres irrigated 134

CONDITION:

The acre foot volume under this license shall not exceed 402 acre feet when
combined with License No. 31-2291.

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 30 day of
January, 19 79.

Director

Identification No. 31 7160
Application No. _____

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT

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

APPROVED

1. Name of applicant Harry E. Machen Phone: 662-5233
post office address Hamer, Idaho
2. Source of water supply ground water which is a tributary of _____
3. a. Location of point of diversion is SE $\frac{1}{4}$ of NW $\frac{1}{4}$ of Section 28 Township 7N
Range 36E B.M. Jefferson County; additional points of diversion if any: _____

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 2.35 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. _____ cubic feet per second and/or
b. _____ acre feet per annum.
6. Proposed diverting works:
a. Description of ditches, flumes, pumps, headgates, etc. Well, pump and circular 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 16 inches; proposed depth of well is 230 feet.
7. a. Time required for the completion of the works and application of the water to the proposed beneficial use
is 5 years.
b. Estimated construction cost is \$ 48,000.00.
8. Description of proposed uses:
a. If water is **not** for irrigation: N.A.
(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: _____

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

[illegible]

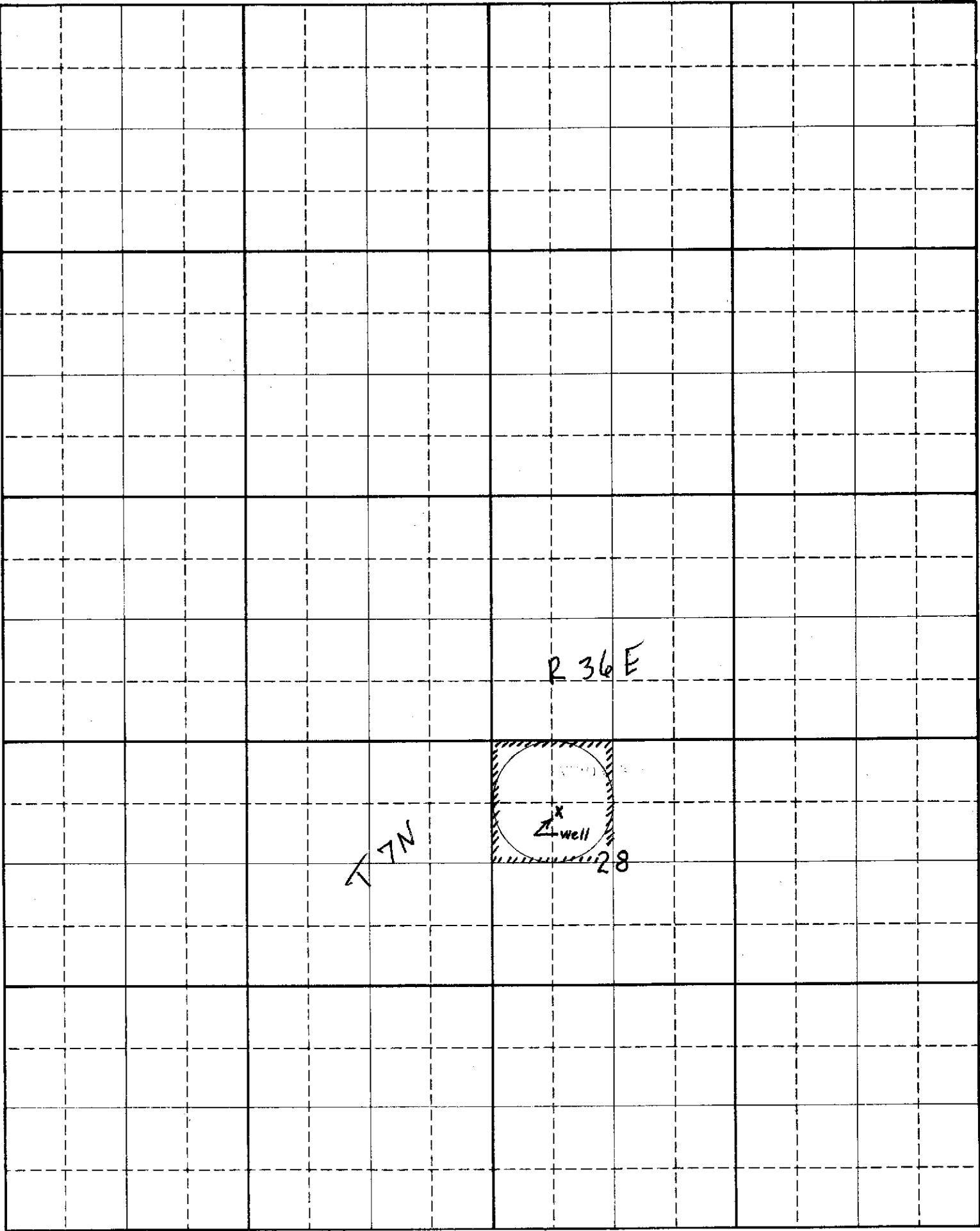
Total number of acres to be irrigated 140

c. Describe any other water rights used for the same purposes as described above. License No. 31-2291
1.96 cfs (@ 0.010 cfs per acre x 44 acre over lap = 0.45 cfs)

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 _____

[illegible]

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.

Harry E. Markin
(Applicant)

Proposed Priority 4-09-1975

Received by MB Date 4-9-75 Time 4:20 p.m.

Preliminary check by NOT Fee \$ 45.00

Receipted by MB Date 4-9-75 # 4190

Publication prepared by MB Date 4-10-75

Published in The Big Lost Star

Publication dates April 17 & 24, 1975

Publication approved aw Date 4-28-75

Priority reduced to _____ Reason _____

Protests filed by: _____

Copies of protests forwarded by _____

Hearing held by _____ Date _____

Recommended for approval denial by RC JJS

ACTION OF THE DIRECTOR, DEPARTMENT OF WATER RESOURCES

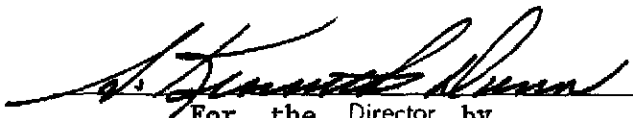
This is to certify that I have examined Application for Permit to appropriate the public waters of the State of Idaho No. 31-7160, and said application is hereby APPROVED.

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 May 1, 19 80.
- c. Other: A measuring device of a type approved by this Department 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 12th day of _____ May 19 75.


For the Director by

A. KENNETH DUNN, Administrator
Operations Division

UNRECORDED

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APR 28 1975

Department of Water Resources
Eastern District Office

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Hope B. Jones

Subscribed in my presence and sworn to before me this *25th*

day of *April*, 19*75*
(SEAL)

Thomas Seeger

Notary Public for the State of Idaho.
Residence and P. O. Address, Rigby, Idaho.

My commission expires *1 Sept*, 19*78*

Publication Fee: \$_____

RECORDED



State of Idaho

DEPARTMENT OF WATER RESOURCES

STATE OFFICE, 373 W. Franklin Street, Boise, Idaho

JOHN V. EVANS

Governor

C. STEPHEN ALLRED

Director

Mailing address:

Storehouse

Boise, Idaho 83720

(208) 384-2215

January 31, 1979

Re: Permit No. 31-7160

Harry E. Machen
Hamer,
Idaho 83425

Dear Mr. Machen:

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

Sincerely,

JAN GROVER
Water Rights Supervisor

JG/kw
Enclosure

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STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES

John V. Evans
Governor

C. Stephen Allred
Director

Statehouse
Boise, Idaho 83720
(208) 384-2215

December 29, 1978

Re: Permit No. 31-7160

Harry E. Machen
Hamer,
Idaho 83425

Dear Mr. Machen:

A representative of this Department made an examination of the works covered by your Permit No. 31-7160 on July 8, 1976, and has found the following:

Amount of water that can be recognized as beneficially used under
Idaho law: 2.23 cfs Source: groundwater

The maximum quantity diverted shall not exceed 402* acre feet per
year.

Point of diversion: SE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 28, Twp. 7N, Rge. 36E, B. M.

Beneficial use: Irrigation of 134 acres within the NW $\frac{1}{4}$, Sec. 28, Twp. 7N,
Rge. 36E, B. M.

Priority date established: April 9, 1975

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,

JAN GROVER
Water Rights Supervisor

JG/kw

* The acre foot volume under this license shall not exceed 402 acre feet when combined
with License No. 31-2291.

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7-36-28

M-6

28

108

A-162
A-734

A164
A27

A160
A272

MICRO

"NOT TO SCALE"

FIELD REPORT

140

R. 36E

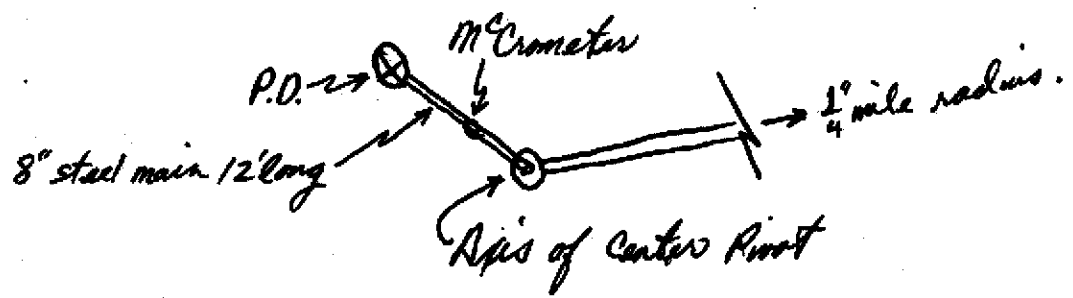
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35 * 36

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Diagram of System

↑ N.



ENC
1/12/77

DATE OF EXAM July 8, 76

ACREAGE
Found 134
Recommended 134

Irrigation Requirement 3.0 Ac Ft/Ac

USE
Irrigation Q = 2.23 c.f.s. V = 402.0 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 ☒

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

Exchange? yes _____ no ☒

Name source exchanged with: _____
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 2.98 c.f.s. Method of measurement in line meter.

Total Q recommended 2.23 Meter No 25 8 2049 Type Mcrometer Condition Std. Condition

Total V recommended 402 AF/ann. Direct Reading - 800 GRM - (?)
Timed " - .01 AF / 1.46 Sec.

Recommended Amendments:

P.D. _____
Place of Use _____
Other ☒ _____
None ☒ _____

MEASUREMENT CALCULATION:

$$Q = .01 \text{ AF} / 1.46 \text{ SEC} = 435.6 \text{ AF} / 1.46 = 2.98 \text{ cfs.}$$

$$Q = 134 \times .02 = 2.68 = .43 \text{ cfs. (L. \# 31-2291)} = \underline{2.23 \text{ cfs}}$$

$$V = 134 \times 3 = 402 \text{ AF/ann}$$

SYSTEM DESCRIPTION:

Center Point - "Rain circle" Model 12 G105, Ser # 417 (2 1350' watering radius)
Motor - "G.E." 75 HP, 3 phase, Ser # BL3 205494, FL Spd - 1725
Pump - "Verti-line" Ser # 37570269, 1100 GPM @ 1800 RPM.

REMARKS:

L. # 31-2291 - for 1.96 cfs for 191 AC + 14 AC, NE 1/4 NW 1/4, 30 AC NW 1/4 NW 1/4 Sec 28).

OK
JG

Examiner's Signature Ernest M. Carlson Date 1/13/77

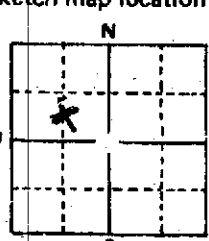
Checked by Anthony R. Kozlowski Date 2/9/77

Approved by _____ Date _____

State of Idaho
Department of Water Resources

WELL DRILLER'S REPORT

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

1. WELL OWNER Name <u>Harry Machen</u> Address <u>Hamer, Idaho</u> Owner's Permit No. <u>31-7160</u> <i>Permit Underwater S.W.N.</i> 2. NATURE OF WORK ☒ New well ☐ Deepened ☐ Replacement ☐ Abandoned (describe method of abandoning) 3. PROPOSED USE ☐ Domestic ☒ Irrigation ☐ Test ☐ Other (specify type) ☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection 4. METHOD DRILLED ☒ Cable ☐ Rotary ☐ Dug ☐ Other 5. WELL CONSTRUCTION Diameter of hole <u>16</u> inches Total depth <u>350</u> feet Casing schedule: ☒ Steel ☐ Concrete <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Thickness</th> <th>Diameter</th> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td><u>1/4</u> inches</td> <td><u>12</u> inches</td> <td>+ <u>2</u> feet</td> <td><u>166'</u> feet</td> </tr> <tr> <td><u>1/4</u> inches</td> <td><u>10</u> inches</td> <td><u>148</u> feet</td> <td><u>233</u> feet</td> </tr> <tr> <td>_____ inches</td> <td>_____ inches</td> <td>_____ feet</td> <td>_____ feet</td> </tr> <tr> <td>_____ inches</td> <td>_____ inches</td> <td>_____ feet</td> <td>_____ feet</td> </tr> <tr> <td>_____ inches</td> <td>_____ inches</td> <td>_____ feet</td> <td>_____ feet</td> </tr> </tbody> </table> Was casing drive shoe used? ☒ Yes ☐ No Was a packer or seal used? ☐ Yes ☐ No Perforated? ☐ Yes ☐ No How perforated? ☐ Factory ☐ Knife ☐ Torch Size of perforation _____ inches by _____ inches <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Number</th> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td>_____ perforations</td> <td>_____ feet</td> <td>_____ feet</td> </tr> <tr> <td>_____ perforations</td> <td>_____ feet</td> <td>_____ feet</td> </tr> <tr> <td>_____ perforations</td> <td>_____ feet</td> <td>_____ feet</td> </tr> </tbody> </table> 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 <u>70'</u> Material used in seal ☐ Cement grout ☒ Pudding clay ☐ Well cuttings Sealing procedure used ☐ Sherry pit ☐ Temporary surface casing ☒ Overbore to seal depth 6. LOCATION OF WELL Sketch map location must agree with written location.  Subdivision Name _____ Lot No. _____ Block No. _____ County <u>Jefferson</u> <u>S 1/2</u> Sec. <u>28</u>, T. <u>7N</u>/S, R. <u>36E</u>/W	Thickness	Diameter	From	To	<u>1/4</u> inches	<u>12</u> inches	+ <u>2</u> feet	<u>166'</u> feet	<u>1/4</u> inches	<u>10</u> inches	<u>148</u> feet	<u>233</u> feet	_____ inches	_____ inches	_____ feet	_____ feet	_____ inches	_____ inches	_____ feet	_____ feet	_____ inches	_____ inches	_____ feet	_____ feet	Number	From	To	_____ perforations	_____ feet	_____ feet	_____ perforations	_____ feet	_____ feet	_____ perforations	_____ feet	_____ feet	7. WATER LEVEL Static water level <u>9'</u> 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 8. WELL TEST DATA ☐ Pump ☐ Bailor ☐ Other <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Discharge G.P.M.</th> <th>Draw Down</th> <th>Hours Pumped</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table> 9. LITHOLOGIC LOG <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Hole Diam.</th> <th colspan="2">Depth</th> <th rowspan="2">Material</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 rowspan="5"><u>16"</u></td> <td><u>0'</u></td> <td><u>70'</u></td> <td><u>Sand and clay</u></td> <td>X</td> <td> </td> </tr> <tr> <td><u>70'</u></td> <td><u>83'</u></td> <td><u>Solid gray Lava</u></td> <td> </td> <td> </td> </tr> <tr> <td><u>83'</u></td> <td><u>95'</u></td> <td><u>Red and black cinders</u></td> <td>X</td> <td> </td> </tr> <tr> <td><u>95'</u></td> <td><u>116'</u></td> <td><u>Broken gray lava</u></td> <td>X</td> <td> </td> </tr> <tr> <td><u>116'</u></td> <td><u>131'</u></td> <td><u>Solid black Lava</u></td> <td> </td> <td> </td> </tr> <tr> <td rowspan="3"><u>12"</u></td> <td><u>131'</u></td> <td><u>162'</u></td> <td><u>Sand and clay</u></td> <td> </td> <td> </td> </tr> <tr> <td><u>162'</u></td> <td><u>164'</u></td> <td><u>Solid gray lava</u></td> <td> </td> <td> </td> </tr> <tr> <td><u>164'</u></td> <td><u>176'</u></td> <td><u>Solid gray lava</u></td> <td> </td> <td> </td> </tr> <tr> <td rowspan="10"><u>10"</u></td> <td><u>176'</u></td> <td><u>233'</u></td> <td><u>Sand and clay</u></td> <td> </td> <td> </td> </tr> <tr> <td><u>233'</u></td> <td><u>278'</u></td> <td><u>Solid gray lava</u></td> <td> </td> <td> </td> </tr> <tr> <td><u>278'</u></td> <td><u>297'</u></td> <td><u>Broken gray lava</u></td> <td>X</td> <td> </td> </tr> <tr> <td><u>297'</u></td> <td><u>312'</u></td> <td><u>Broken gray lava</u></td> <td>X</td> <td> </td> </tr> <tr> <td><u>312'</u></td> <td><u>321'</u></td> <td><u>Solid black Lava</u></td> <td> </td> <td> </td> </tr> <tr> <td><u>321'</u></td> <td><u>336'</u></td> <td><u>Broken gray lava</u></td> <td>X</td> <td> </td> </tr> <tr> <td><u>336'</u></td> <td><u>350'</u></td> <td><u>Red and black cinders</u></td> <td>X</td> <td> </td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table> RECEIVED MAY 23 1975 Department of Water Resources Eastern District Office 10. Work started <u>3-31-75</u> finished <u>4-21-75</u> 11. DRILLERS CERTIFICATION Firm Name <u>R. P. Cope Well Drilling</u> Firm No. <u>28</u> Address <u>Rt#3 Box 470 Idaho Falls, Id.</u> Date <u>5-12-75</u> Signed by (Firm Official) <u>[Signature]</u> and <u>[Signature]</u> (Operator)	Discharge G.P.M.	Draw Down	Hours Pumped										Hole Diam.	Depth		Material	Water		From	To	Yes	No	<u>16"</u>	<u>0'</u>	<u>70'</u>	<u>Sand and clay</u>	X		<u>70'</u>	<u>83'</u>	<u>Solid gray Lava</u>			<u>83'</u>	<u>95'</u>	<u>Red and black cinders</u>	X		<u>95'</u>	<u>116'</u>	<u>Broken gray lava</u>	X		<u>116'</u>	<u>131'</u>	<u>Solid black Lava</u>			<u>12"</u>	<u>131'</u>	<u>162'</u>	<u>Sand and clay</u>			<u>162'</u>	<u>164'</u>	<u>Solid gray lava</u>			<u>164'</u>	<u>176'</u>	<u>Solid gray lava</u>			<u>10"</u>	<u>176'</u>	<u>233'</u>	<u>Sand and clay</u>			<u>233'</u>	<u>278'</u>	<u>Solid gray lava</u>			<u>278'</u>	<u>297'</u>	<u>Broken gray lava</u>	X		<u>297'</u>	<u>312'</u>	<u>Broken gray lava</u>	X		<u>312'</u>	<u>321'</u>	<u>Solid black Lava</u>			<u>321'</u>	<u>336'</u>	<u>Broken gray lava</u>	X		<u>336'</u>	<u>350'</u>	<u>Red and black cinders</u>	X																
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June 24, 1975

Re: Permit No. 31-7160

Harry E. Machen
Hamer,
Idaho 83425

Dear Mr. Machen:

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 during which part of the irrigation season this examination will be made, however, our examiner will try to contact you at the time he makes the exam so that you may show him the system.

If you have any questions concerning the field exam, please contact our District Office in Idaho Falls.

Sincerely,

D. Darlene Reich
Water Rights Supervisor

DDR:JG

MICROFILMED

RECEIVED

JUN 20 1975

ok je

Department of Water Resources
Eastern District Office

Identification No. _____

Permit No. 31-7160

STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES

PROOF OF APPLICATION OF WATER TO BENEFICIAL USE

1. a) Name of Permit Holder Harry E. Machen
b) Post Office Address Hamer, Idaho
2. Permit Number 31-7160
3. Date of Priority that you are prepared to establish April 9, 1975
4. a) Source from which water was appropriated groundwater
b) Location of the point of diversion: SE $\frac{1}{4}$ NW $\frac{1}{4}$, Section 28
Township 7N, Range 36E Boise Meridian, Other points of diversion: _____
5. a) The amount of water and use to which the water has been applied:
Amount 2.35 for Irrigation purposes from Apr. 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 2.35 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: Mel Brown Company
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:

b) Describe the agreement or understanding by which you take water from the works: _____
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) 16" well casing, 350 deep, 75 Horsepower pump
9' static water level
b) Describe the type and size of measuring device which you have installed at your point of diversion: 6" McCrometer
c) Give well driller's name and address and the date the well was completed: R. P. Cope Completed 3/31/75
8. If for other than irrigation, describe the beneficial use to which you have applied the water and the place of use: _____

Exam typed 6-23-75 by je

MICROFILMED

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	
7N	36E	28					35	35	35	35									140

Total number of acres irrigated 140

10. Remarks: _____

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

June 20, 1975
(Date)

Harry E Macher
(Signature)

State of Idaho)
) ss.
County of Bonneville)

On this 20th day of June, 19 75, 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'Hallinan
Notary Public residing at Idaho Falls,
Idaho

My commission expires March 21, 1979

May 12, 1975

Re: Permit No. 31-7160

Mr. Harry E. Machen
Hamer,
Idaho 83425

Dear Mr. Machen:

Enclosed is a copy of your approved Application for Permit No. 31-7160. 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

BDF:jfr

Enclosures

DEPARTMENT OF WATER RESOURCES
- STAFF ANALYSIS -

Harry E
Machen

Item Initial Date

Application No. 31-7160

- ☒ 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

- (1) KOT 4-10-75 In form to receipt
- (2) " " Send Copies to:
NA Idaho State Health Department
NA Idaho Fish and Game Department
NA Bureau of Land Management
- (3) " " Request Special Use Permit from U.S.F.S.
NA Request Easement from B.L.M.
Request Information from Applicant
- (4) " " In form for advertising
- (5) " " Platted on Map No. 7N36E
- (6) " " Located within Water District No. 31
- (7) " " Critical groundwater area: yes no L
- (8) " " Groundwater levels:
Declining, Stable, Increasing
(comment) Ref. obs. well 7N-36E-22 abd4
- (9) " " Other rights on the same place of use ✓ Hs
- (10) " " Comments: Lic # 31-2291, 44 acres in N1/4 Sec 28
Protected has 45 a/s for the 44 acres.
- (11) W 4-28-75 Affidavit of Publication received (date) April 28, 1975
- (12) MB 5-5-75 Final date for protests May 5, 1975
Protests received: yes no X
- (13) RDC 5/3/75 All requested information received from agencies or applicant: yes no X
- (14) " " Action recommended:
Approve Deny
4/9/75 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 5/5/75

Copy
of

April 10, 1975

RE: Application for Permit No. 25-7066 HIGHWAYS
" " " No. 31-7160 MACHEN
" " " No. 35-7500 RIRIE

The Rigby Star
Box 37
Rigby, ID 83442

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
District Engineer

Bill submitted 4-28-75 by DL

RDC:MB

Enc: Legal Notices (3)

NOTICE OF APPLICATION FOR WATER PERMIT

Notice is hereby given that Harry E. Machen,

Hamer, Idaho

has on 4-9-75 submitted Application No. 31-7160

for a permit to appropriate 2.35 cubic feet per second ~~acre feet per annum~~

of water from a ground-water source

by means of well and pump

within the SE 1/4 NW 1/4, Sec. 28, T. 7N, R. 36E, B.M., Jefferson County;

to be used from Apr. 1 to Nov. 1

for the irrigation of 140 acres

within the NW 1/4, Sec. 28, T. 7N, R. 36E, 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 May 5, 1975.

R. KEITH HIGGINSON

Director

Published in the Rigby Star, Rigby, Idaho

on April 17 and April 24, 1975

AW-A
AW-A

April 8, 1975

Mr. Harry E. Machen
Hamer
Idaho 83425

Dear Mr. Machen:

Pursuant to your visit to our office on April 1, 1975, enclosed please find a partially completed application for permit. Please check it for correctness, sign and return it to this office with the statutory filing fee of \$45.00 for processing.

We have also enclosed a copy of License No. 31-2291.

If we may be of further assistance in this matter, please do not hesitate to contact us.

Very truly yours,

BILL RHOADS
Water Resource Specialist

BR:MB

Enclosures

INTER-DEPARTMENT MEMO — 1

FROM Bill Rhoads

DATE April 1, 1975

TO E. J.

SUBJECT COPIES

Please send me a copy of License No. 31-2291. Thanks a bunch.

SIGNATURE

$$\begin{array}{r}
 140 \\
 \underline{102} \\
 280 \\
 - 145 \\
 \hline
 235 \text{ cts}
 \end{array}$$

Michell Std. lett to Appleton