

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No. 25-07274

1. Owner: STATE OF IDAHO, DEPT. OF TRANS., DIVISION OF HIGHWAYS Phone No. (208) 334-8505

Current Address: P.O. Box 7129, Boise, ID 83707

2. Accompanied by: BOB SWA

EXAM. DATE: 10-8-91

Address: _____

Phone No. 547-4779

Relationship to Permit Holder: DIST. 5 FOREMAN

3. Source: GROUND WATER tributary to _____

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B. OVERLAP REVIEW

1. Other water rights with same place of use: NONE

Department of Water Resources

☐ Copies Attached

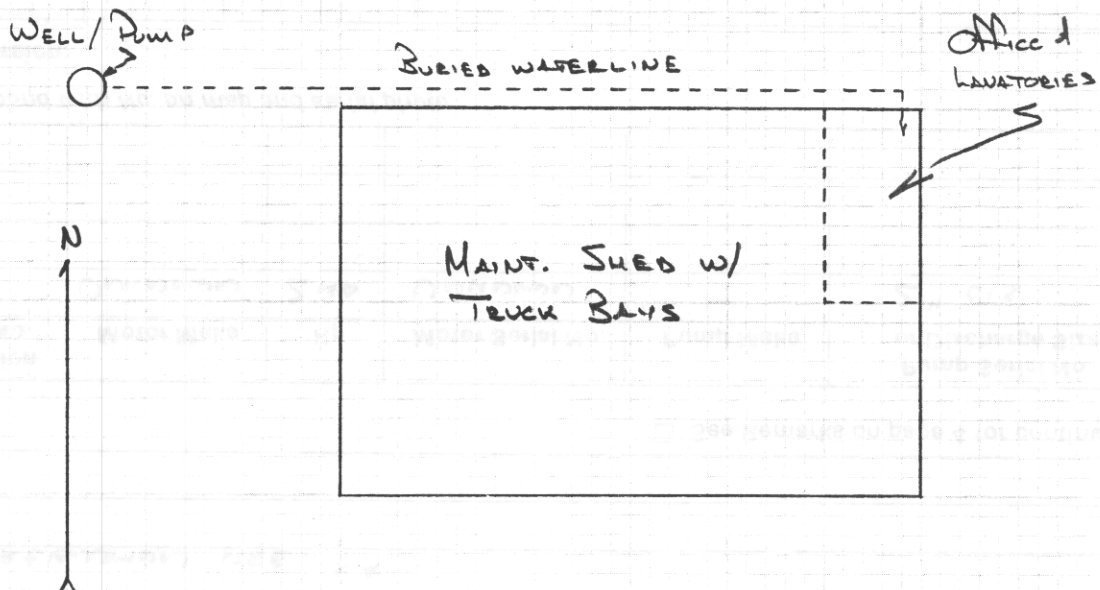
2. Other water rights with same point of diversion: NONE

☐ 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



NOT TO SCALE

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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).

☐ Aerial Photo Attached
(required for irrigation of 10 acres or more).

☒ 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 and submersible pump with 2" mainline to maintenance shed with office & lavatory. Casing is 10" diameter. Well approx. 600' deep, water level at approx. 35'. Flow is 2 up submersible at 150' depth; unknown make.

*** No. 1-REIGARDEN G.M.F. x k

☐ See Remarks on page 4 for continuation

Pump Serial No.											
or Discharge Size											
—	Chubbuck	2 HP	Unknown	—	2 " O.D.S						
Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make							

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

5. Point(s) of Diversion:

[illegible]

6. Place(s) of Use:

Indicate Method of Determination

[illegible]

Do not use this space

D. FLOW MEASUREMENTS

☐ Additional Data Sheets Attached

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
N/A						

2. Measurements:

N/A

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

1. Measured Method:

$$Q_{\text{THEORETICAL}} = \frac{2 \text{ HP} (8.814) 0.70}{(30 \times 2.308) + 35} = 0.12 \text{ cfs}$$

ASSUME 30 PSI

2. Alternate Method for Checking Purposes:

RECOMMEND: DOMESTIC USE 0.02 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:

RECOMMEND 0.6 AFA AS PER IDWR STANDARD FOR SMALL DOMESTIC USE.

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H. REMARKS AND OVERLAP REVIEW ANALYSIS

No Irrigation Present

MAINTENANCE BUILDING USED ALL YEAR FOR STORAGE OF TRUCKS, BLOWS

EST.

WATER MAIN, SUEB, DIST. 5

I. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use

DOMESTIC

Period of Use
From 1/1 To 12/31

Rate of Diversion
Q (cfs)

Annual Volume
V (afa)

Totals:

0.04

0.60

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

Paul J. Meyer

Signature

Certification Date

10-10-91

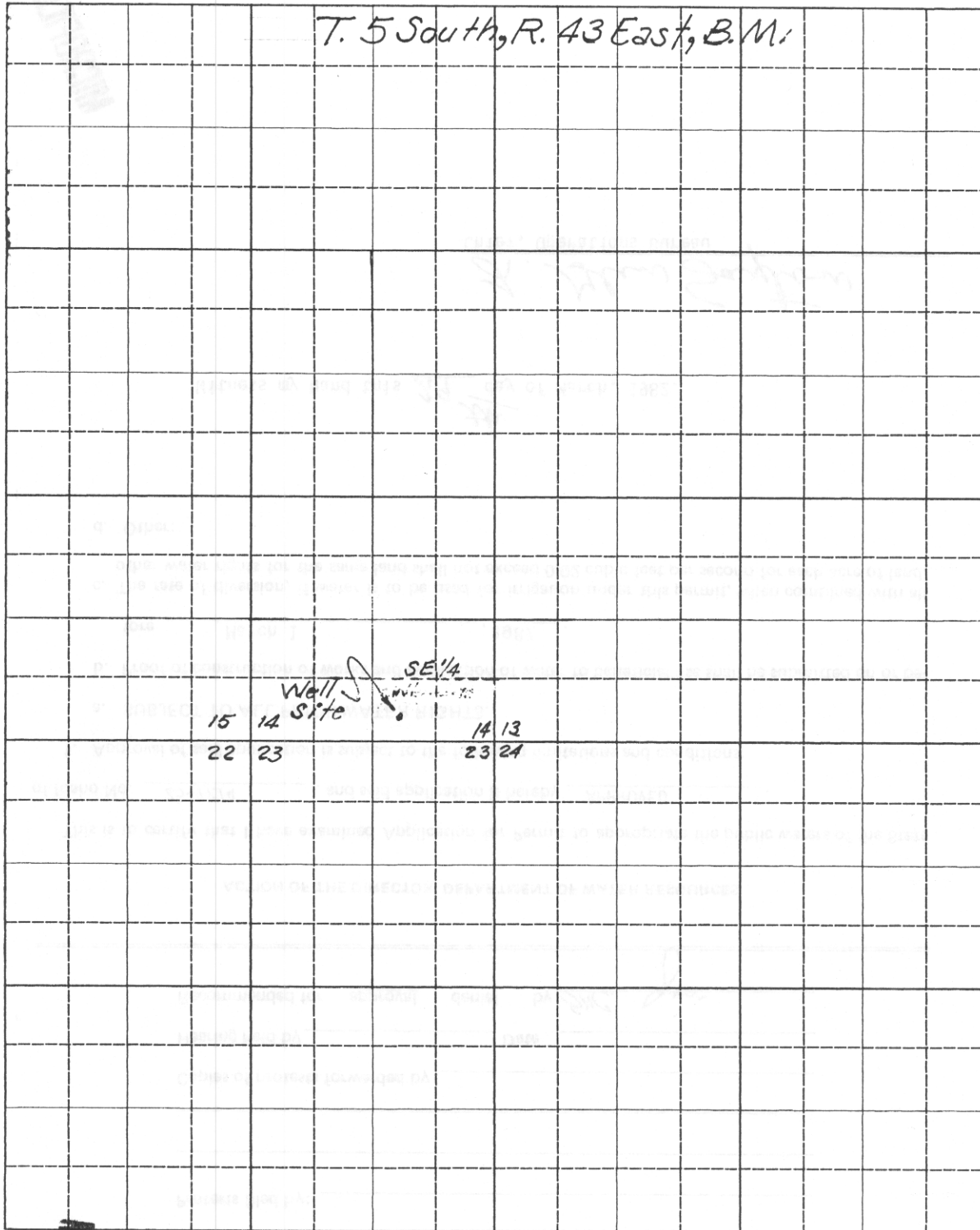
Field Report Preparation Date

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

CONSULTANT SEAL

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



Scale: 1 inch equals 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.

IDAHO TRANSPORTATION DEPARTMENT
DIVISION OF HIGHWAYS

BY *[Signature]*
(Applicant)
ENGR. MGR. II

MICROFILMED

MICROFILMED

Chief, Operations Bureau

A. Allen Gayton

Witness my hand this 29th day of March, 1982.

d. Other:

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.

March 1, 1987

b. Proof of construction of works and application of water to beneficial use shall be submitted on or be-

a. SUBJECT TO ALL PRIOR WATER RIGHTS.

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

This is to certify that I have examined Application for Permit to appropriate the public waters of the State of Idaho No. 25-7274, and said application is hereby APPROVED

ACTION OF THE DIRECTOR, DEPARTMENT OF WATER RESOURCES

Received by AWJ Date 3-18-83 Time 11:05A
Preliminary check by HWS Fee \$ 30.00
Received by AWJ Date 3-04-82
Publication prepared by AWJ Date 2-19-82
Published in Caribou County News
Publication dates 2-25 AWJ 3-4-82
Publication approved AWJ Date 3-11-82
Protests filed by: _____
Copies of protests forwarded by _____
Hearing held by _____ Date _____
Recommended for approval denial by AWJ