

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT

APPROVED

To appropriate the public waters of the State of Idaho

1. Name of applicant Bruce Naylor or David Naylor Phone 747-3732
Post office address P.O.Box 25 Dayton, ID 83263

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

3. Location of point of diversion is SW $\frac{1}{4}$ of SW $\frac{1}{4}$ of Section 2 Township 15S
Range 38E B.M. Franklin County, additional points of diversion if any: _____

4. Water will be used for the following purposes:

Amount 2 CFS for Irrigation purposes from 4-1 to 11-1 (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:

a. 2 CFS cubic feet per second and/or b. _____ acre-feet per annum.

6. Proposed diverting works:

a. Description of ditches, flumes, pumps, headgates, etc. Well/ 75hp pump to 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 when water will be diverted to storage _____ to _____ inclusive.
(Month/Day) (Month/Day)

c. Proposed well diameter is 20 ; proposed depth of well is 476 feet.

7. Time required for the completion of the works and application of the water to the proposed beneficial
use is 5 years ^{*} (minimum 1 year — maximum 5 years).

8. Description of proposed uses:

a. If water is not for irrigation:

(1) Give the place of use of water: _____ $\frac{1}{4}$ of _____ $\frac{1}{4}$ of Section _____ Township _____
Range _____ B.M.

(2) Amount of power to be generated: _____ horsepower under _____ feet of head.

(3) List number of each kind of livestock to be watered _____

(4) Name of municipality to be served _____, or number of families to be
supplied with domestic water _____.

(5) If water is to be used for other purposes describe: _____

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

TWP	RANGE	SEC.	NE¼				NW¼				SW¼				SE¼				TOTALS
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
15S	38E	2			4				6	8	40	35	35	40		25	30		223

Total number of acres to be irrigated 223

c. Describe any other water rights used for the same purposes as described above. Shares in

Twin Lakes Canal.

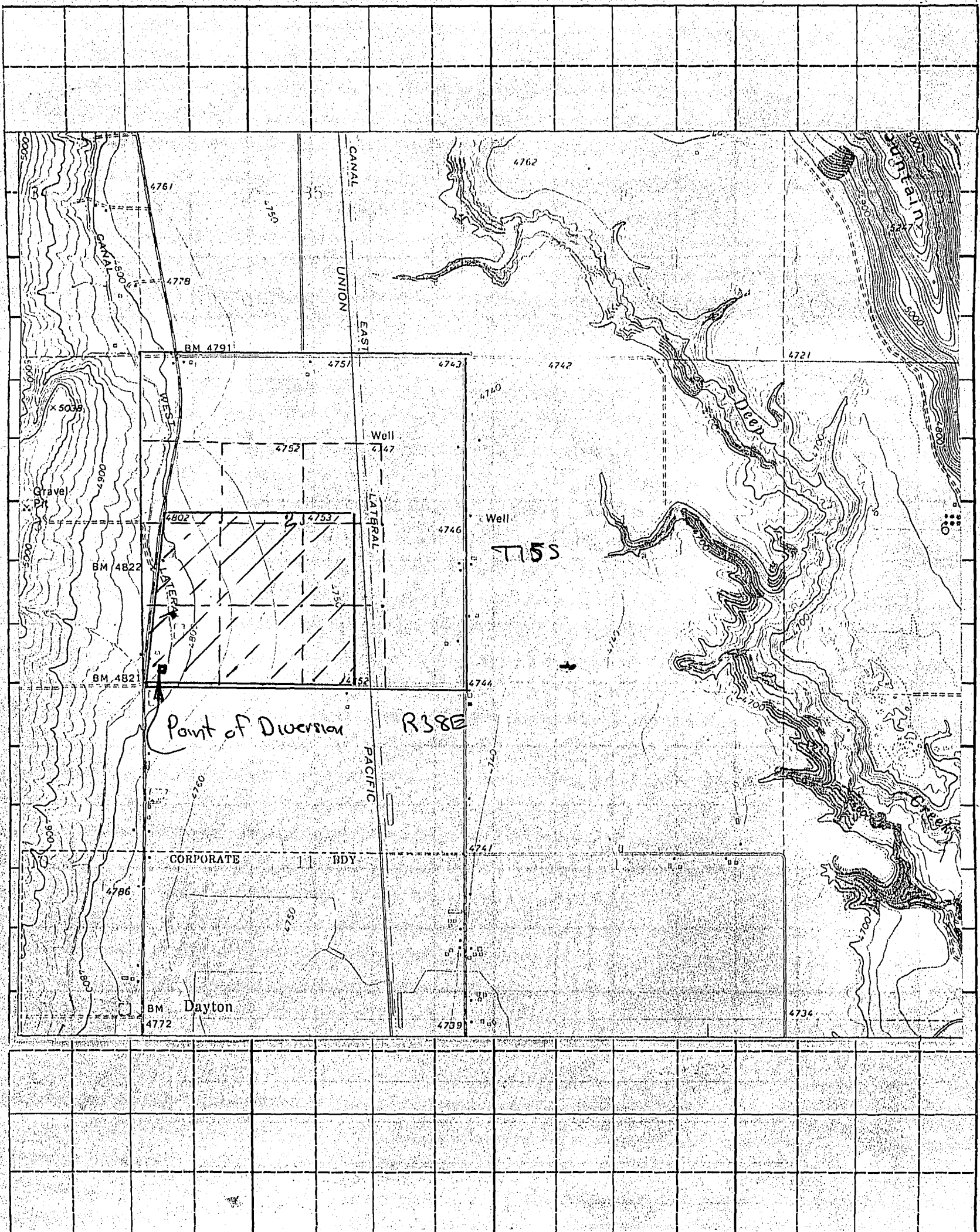
9. a. Who owns the property at the point of diversion Applicants

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

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

10. Remarks This application will replace #13-7153 which has
lapsed.

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.

Bruce Raylor
(Applicant)

Proposed Priority 7/14/83
Received by CW Date 7-29-83 Time 4:00P
Preliminary check by HWT Fee \$ 65.00
Receipted by BP Date 7/14/83 # 29328
Publication prepared by BP Date 8/17/83
Published in Preston Citizen
Publication dates 8/25 - 9/1/83
Publication approved CW Date 10-07-83
Protests filed by: none

Copies of protests forwarded by _____
Hearing held by _____ Date _____
Recommended for approval denial by EMC. CW

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. 13-7401, and said application is hereby APPROVED.

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

- a. SUBJECT TO ALL PRIOR WATER RIGHTS.
- b. Proof of construction of works and application of water to beneficial use shall be submitted on or before October 1, 19 88.
- 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. Other: Permit holder shall commence the excavation or construction of diverting works within one year of the date this permit is issued and shall proceed diligently until the project is complete.
An access port or other device as specified by the Department shall be installed by the permit holder to provide for the installation of measuring equipment and the determination of the rate of diversion by the Department.

Witness my hand this 20th day of October, 1983.

A. Glen Saxton
Chief, Operations Bureau

#875
SEP 15 1983

No 1925

AFFIDAVIT OF PUBLICATION

STATE OF IDAHO, }
County of Franklin } ss.

J. Walter Ross

being duly sworn,

deposes and says:

That he is the Co-Publisher of THE PRESTON CITIZEN, a weekly newspaper published at Preston, in the County of Franklin and State of Idaho; that said paper has been and is in general circulation in the county aforesaid, and in the vicinity of Preston; that the advertisement, a copy of which is attached hereto, was published in said newspaper once a week for 2 consecutive weeks in the regular and entire issue of said paper during the period of time of publication, and was published in the newspaper proper and not a supplement; that said paper has been established and regularly published for more than seventy-eight consecutive weeks prior to the date of first publication of said advertisement.

Such notice was published in the issue beginning with

Aug 25, 1983, and ending
with the issue of Sept 1, 1983.

Fee \$ 14.38

Subscribed and sworn to before me this 30th day
of Sept, 1983.

Ken O. Allen

Notary Public, Residing at Preston, Idaho

My Commission Expires June 1, 1986

NOTICE OF APPLICATION FOR WATER RIGHT

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

13-7401

NAYLOR, BRUCE & or DAVID
P.O. BOX 25, DAYTON, ID 83232

Source: GROUNDWATER

Date Filed: 07-14-1983

Diversion Pt: SWSW Sec 02 T 15S R 38E

Use: IRRIGATION (2.00 CFS)

IN: SWNE SWNW SENW NESW
NWSW SWSW SESW NWSE SWSE Sec
02 T 15S R 38E FOR 223 ACRES

The permit(s) will be subject to all prior water rights. Protests must be filed with the Director, Dept. of Water Resources, 150 Shoup Ave., Suite 15, Idaho Falls, Idaho 83402 on or before SEPTEMBER 12, 1983.

KEN DUNN, Dir.
Legal No. 1925 - 23L - Published
August 25 & September 1, 1983.

RECEIVED

OCT 5 1983

Department of Water Resources
Eastern District Office

13-7401

NAYLOR, BRUCE &/or DAVID

P.O. BOX 25, DAYTON, ID DAYTON, ID 83202

Source: GROUNDWATER

Date F

Date Filed: 07/14/1983

Diversion Pt: SMSW Sec 02 T 155 R 38E

Use: IRRIGATION (2.00 CFS)

In: SWNE SWNW SENW NESW NWSW SMSW SESW NWSE SMSE Sec 02 T 155 R 38E
FOR 223 ACRES

Proofed
by
Phone
BP 8/23/83

July 19, 1983

Burce Naylor
P.O. Box 25
Dayton, ID 83263

Dear Mr. Naylor:

Enclosed is your application for permit. You will need to sign the application before processing can begin. Please return the signed application as soon as possible.

Sincerely,

HAROLD W. JONES
Sr. Resource Agent

HWJ:bp

Enclosure

June 16, 1983

Bruce Naylor
P.O. Box 25
Dayton, ID 83263

Dear Mr. Naylor:

Enclosed is your application for permit and check #92-171 for \$65.00. Since Line 3 and 8b were not completed, I found it necessary to return it.

I have also enclosed a new application for your use with data on it copied from lapsed permit #13-7153. On that old permit, the amount applied for was 4 cfs. On this recent application you applied for 2 cfs. Which of the two amounts do you feel is correct?

Please complete lines 4 & 5 with the selected amount. The application cost for 2 cfs is \$65.00 while 4 cfs would cost \$105.00.

You will need to sign and return the application with the correct fee amount to this office.

Sincerely,

HAROLD W. JONES
Sr. Resource Agent

HWJ:bp

Enclosures

State of Idaho
Department of Water Resources

APPLICATION FOR PERMIT ANALYSIS SHEET

INITIAL REVIEW BY: IAWJ APPLICATION NUMBER: 13 7401

CHECK:

- ☒ Source.
☒ Point of diversion.
☒ County.
☒ Quantity of water and period of use.
☒ Description of diverting works.
☒ Time required for beneficial use of water.
☒ Place of use or acres irrigated.
☒ Map.
☒ Signature.
☒ Fee.
☐ Yes ☒ No Field check required.
☐ Yes ☒ No Critical groundwater area.
☐ Yes ☒ No Request dam safety information. Sent by: _____ Date: _____
☒ Yes ☐ No* In form to receipt.

Field check by: _____
Date: _____
Comments: _____

*REQUEST THE FOLLOWING ADDITIONAL INFORMATION FROM THE APPLICANT:

SEND COPIES TO:

- ☐ Idaho State Health Department.
☐ Idaho Fish and Game Department.
☐ Idaho Department of Lands.
☐ U.S. Bureau of Land Management.
☐ U.S. Forest Service.
☐ Other _____

Copies sent by: _____ Date: _____

PROCESSING:

- ☐ Yes ☒ No Platted by: _____ Map No. _____
☒ Yes ☐ No Other rights on same place of use. 13-2159 in same area
☒ Yes ☐ No* In form for advertising.
Final date for protests: Sept 12, 1983
☐ Yes ☒ No Protests received. If yes, record information on 4th page of application.

FINAL REGIONAL PROCESSING REVIEW:

- ☒ Affidavit of publication received. Date: 10-05-83
☒ Application published correctly. If not, record action taken: _____
☒ Fee amount, receipt date & number, recorded on application.
☒ Publication dates and paper, recorded on application.
☒ Protests, dates, withdrawal, etc., recorded on application.
☒ Recommendation & initial, recorded on application.
☐ Yes ☒ No Measuring device required.
☒ Yes ☐ No Access port required.
☐ Yes ☒ No Will water be delivered by watermaster? If yes, what district? _____
7-14-83 Date of priority recommended.
Special conditions of approval or cover letter. _____

By: _____ Date: _____

STATE OFFICE REVIEW:

L03+217 36 OIC **RECEIVED**

- ☐ See attached sheet for more information.

By: CW Date: 10/14/83
Department of Water Resources

CW



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
EASTERN REGION

John V. Evans
Governor

A. Kenneth Dunn
Director

150 Shoup — Suite 15
Idaho Falls, Idaho 83402
(208) 525-7161

September 20, 1983

RE: Application for Permit No. 13-7400 HENRIE
13-7401 NAYLOR
13-7402 WILLIAMS

Preston Citizen
P.O. Box 472
Preston, ID 83263

Gentlemen:

Would you please submit an affidavit of publication and certified bill in connection with the above referenced application(s). The legal notice was to have been published in your paper on August 25 and September 1, 1983.

Your cooperation in this matter is greatly appreciated.

Very truly yours,

COLLEEN WRAY
Adm. Secretary

RE: PERMIT 13-7401

PAGE 01
NOVEMBER 09, 1983

SINCERELY,

DAVID R. TUTHILL, JR., P.E.
SUPERVISOR, WATER ALLOCATION SECTION

ENCLOSURE

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

STATEHOUSE
BOISE, IDAHO 83720
(208) 334-4440

NAYLOR, BRUCE & DAVID
P.O. BOX 25
DAYTON, ID 83263

NOVEMBER 08, 1983

RE: PERMIT NO. 13-7401

DEAR PERMIT HOLDER:

ENCLOSED IS A COPY OF YOUR APPROVED APPLICATION FOR PERMIT. WE DIRECT YOUR ATTENTION TO THE CONDITIONS OF APPROVAL ON THE FOURTH PAGE.

BE SURE TO NOTE THE SPECIAL CONDITION REQUIRING YOU TO INSTALL A MEASURING DEVICE, OR AN ACCESS 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 ACCESS PORT.

THE 1982 IDAHO LEGISLATURE ADDED A REQUIREMENT THAT AS A PERMIT HOLDER YOU MUST COMMENCE THE EXCAVATION OR CONSTRUCTION OF DIVERTING WORKS WITHIN ONE YEAR OF THE DATE THE PERMIT WAS ISSUED, AND YOU MUST PROCEED DILIGENTLY UNTIL THE PROJECT IS COMPLETED. THE ENCLOSED BLUE CARD MUST BE COMPLETED AND RETURNED TO THIS OFFICE AS SOON AS YOU COMMENCE CONSTRUCTION, NO LATER THAN ONE YEAR FROM THE DATE THE PERMIT WAS APPROVED.

WE HAVE ENCLOSED INSTRUCTIONS ENTITLED "MAKING PROOF OF BENEFICIAL USE". PLEASE READ THE INSTRUCTIONS CAREFULLY SINCE YOU MUST TAKE FURTHER ACTION TO DEVELOP THIS PERMIT INTO A LICENSE.

To: File 13-7401

From: Groundwater Protection

Date: 7/19/88

Drilling Permit: ☒ Not Applicable
☐ Found and in file
☐ Not Found

Well Drillers Report:

☐ Not found, due to reported age of well
probably not available
☒ Found and is in file
☐ Not found

Follow-up

☒ Request from permit holder the well
drillers report and/or the name of the
well driller.
☐ Ask permit holder when well was drilled
and notify holder of drilling permit
requirement if after July 11, 1987.

*Glen and I did not request above info.
at this time.*

Form 217
03/86

RECEIVED
JUN 27 1988

525 7172
Richard Lenoir

RECEIVED

JUN 22 1988

STATE OF IDAHO Department of Water Resources
Eastern District Office
DEPARTMENT OF WATER RESOURCES

For Office Use Only

Fee Received \$100

Date 6/28/88

Receipt # 0001614

Receipt by [Signature]

Reviewed by [Signature]

Sent to region 6/24/88

S.O. 8-10-88

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 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. 13-7401

Name(s) of Permit Holder: Bruce or David Naylor

Post Office Address: P.O. Box 25 / 4736 W 2400 N Dayton, Idaho

Telephone No. 83232

Source of Water: Well 430' deep

Extent of Use:

Domestic _____ (number of households) Stockwater _____ (number and type of stock)

Irrigation 223 ^V (acres) Other/Remark _____

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

Show the date water was first diverted and beneficially used under this permit: _____

Measuring Device: Required? ☐ Yes ☐ No
Installed? ☐ Yes ☐ No

Fee enclosed \$ 100 - ☒
(See License Examination Fee Schedule)

Flow Measurement Port: Required? ☒ Yes ☐ No
Installed? ☒ Yes ☐ No

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

Bruce Naylor (Name) 208 852 0810 (Telephone Number)

4736 West 2400 North, Dayton, Idaho (Address) 83232

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.

6-21-88
Date

Bruce Naylor
Signature of Permit Holder (and title, if appropriate)

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 13-07401

Priority: July 14, 1983

Maximum Diversion Rate: 2.00 CFS
Maximum Diversion Volume: 729.9 AF

This is to certify, that BRUCE NAYLOR
DAVID NAYLOR

4736 W 2400 N
DAYTON ID 83232

has complied with the terms and conditions of the permit, issued pursuant to Application for Permit dated July 14, 1983; and has submitted Proof of Beneficial Use on June 22, 1988. An examination indicates that the works have a diversion capacity of 2.160 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	04/15 to 10/15	2.00 CFS	729.9 AF

LOCATION OF POINT(S) OF DIVERSION: SWSW , Sec. 2, Township 15S, Range 38E
FRANKLIN 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>
15S	38E	2	SWNE 2	SWNW 2	SENE 4	
			NESW 40	NWSW 31	SWSW 33	
			SESW 39	NWSE 29	SWSE 32	212

Total number of acres irrigated: 212

CONDITIONS/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 that 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. This right when combined with all other rights shall provide no more than .02 cfs per acre nor more than 3.5 afa per acre for the lands above.
6. The right holder shall fully use all surface water rights appurtenant to the lands identified above prior to using water under this right.

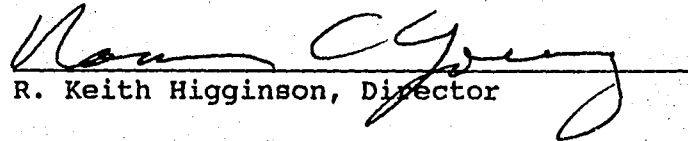
PAGE 2

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 13-07401

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 28th
day of MARCH, 1994.


R. Keith Higginson, Director



RECEIVED
3111
10410
2000



State of Idaho
DEPARTMENT OF WATER RESOURCES
150 Shoup Ave., Suite 15, Idaho Falls, Idaho 83402 - (208) 525-7161

RECEIVED

SEP 30 1988

EASTERN REGION

Department of Water Resources
CECIL D. ANDRUS
GOVERNOR
R. KEITH HIGGINSON
DIRECTOR

September 19, 1988

RE: Permit No. 13-7401

Bruce Waylor
P.O. Box 25
Dayton, Idaho 83232

Dear Permit Holder:

We acknowledge receipt of your statement 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.

A field examiner will contact you to arrange to examine your system.

If you have any questions regarding the field examination, please contact this office by phone at 525-7161, or in person in the third floor State Office Building, 150 Shoup, Idaho Falls, Idaho.

Sincerely,

ERIC VERNER
Sr. Resource Agent

EV:CW

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED

JAN 31 1994

Department of Water Resources

A. GENERAL INFORMATION

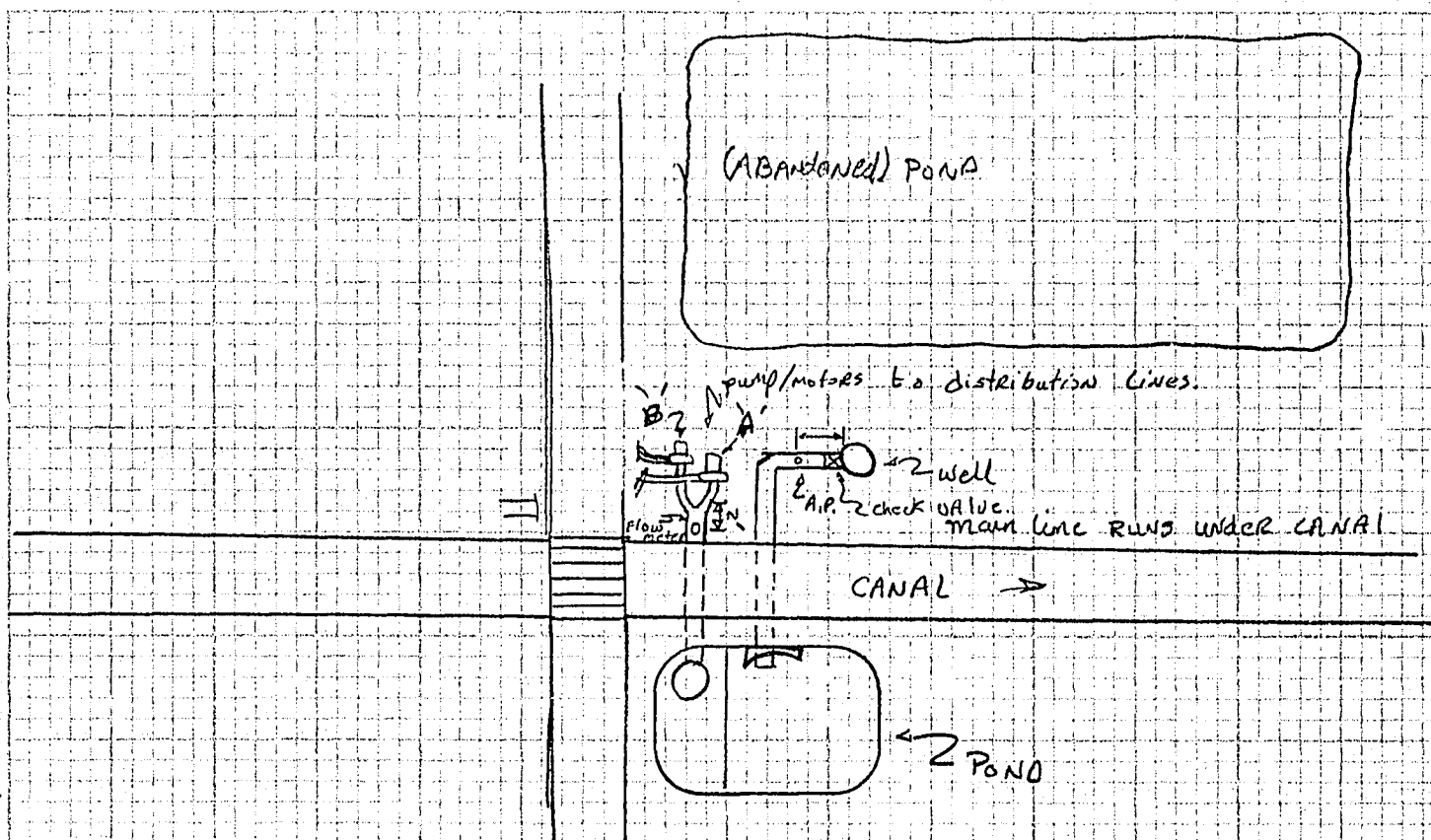
1. Owner: BRUCE Naylor OR DAVID Naylor Permit No. 13-7401
Current Address: 4736 W. 2400 N., Dayton, Id. 83232 Phone No. 852-0810
2. Accompanied by: BRUCE Naylor EXAM. DATE: 8-19-88
Address: SAME AS ABOVE Phone No. _____
Relationship to Permit Holder: SON OF DAVID Naylor.
3. Source: GROUNDWATER tributary to _____

B. OVERLAP REVIEW

1. Other water rights with same place of use: SHARPS IN TWIN LAKES CANAL CO. ☐ Copies Attached
2. Other water rights with same point of diversion: NO ☐ 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: ~~X~~" = _____

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; pump/motor to (8 5/8") main line then open discharge into pond. Water from well mixes with twin lake canal water and is pumped out by two centrifugal pumps/motors which were supplying water to 4 1/4 mile wheel line with 3/16" nozzles. The maximum amount of line that can be operated is 6 1/4 miles.

☒ 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
open discharge well	G.E.	75	HNS803413	Johnston	NONE
'A'	G.E.	25	DK6183018	CORNELL	CENTRIFUGAL 17043 10 13/16
'B'	G.E.	30	5K2961N2340	CORNELL	16393 10 3/8

*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	SW	2	15S	38E	FRANKLIN	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	
15S	38E	2			2				2	4	40	31	33	39		29	32		212
																			212

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
Flow meter		HALL		120385	8"	
MANOMETER					57"	
Flow meter		M ⁴ CRAMER		7812194	10 G.F.S.	

2. Measurements:

main line I.D. = 8.25" circ = 27.25" Dynamic pumping Hd = 120-125'
 main line pressure = ZERO
 manometer reading = 37.5" - 18.5" = 19" V_H = 18.3"
 M⁴ Cramer reading on HP - discharge well: Fluctuating between 2
 to 1.7 C.F.S. & 2.2 C.F.S. ; ACER Feet x .001 = 64158.6 - 64158.8 in 53 sec. (1002/53 sec)
 64158.7 - 64159.0 in 25 sec. (1001/25 sec)

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

1. Measured Method: Re-division of pumps.

$$Q = (0.002 \text{ AC-FT} / 53 \text{ sec.}) \times (43,560 \text{ FT}^3 / \text{AC-FT}) = 1.64 \text{ C.F.S.}$$

2. Alternate Method for Checking Purposes: Theoretical on open discharge well:

$$Q = \frac{(75)(8.914)(0.85)}{(120') + (2.31)(0)} = 4.68 \text{ C.F.S.}$$

X 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:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = (212) (3.5) = 742.0$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = (2.0) (214) (1.9835) = 424.5 \text{ (BC)}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 424.5$$

where does
this come
from?

2. Volume Calculations for Other Uses:

H. REMARKS AND OVERLAP REVIEW ANALYSIS

Note: Bruce operate the open discharge well valued down to 1/2 way, this produced a reading:

valued 3/4 way $\Rightarrow$ manometer reading = 10"
 " 1/2 " $\Rightarrow$ " " = 3" $\leftarrow$ NORMAL USAGE.

I. RECOMMENDATIONS

1. Recommended Amounts C.F.S. Amount limited by permit.

Beneficial Use	Period of Use		Rate of Diversion	Annual Volume
	From	To	Q (cfs)	V (afa)
IRRIGATION	4-1	11-1	2.0	424.5 ?

Totals: 2.0 cfs 424.5 afa?

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

Error in Calculation
 (BC)

J. AUTHENTICATION

Field Examiner's Name Richard Leason

Signature [Signature]

Certification Date _____

Field Report Preparation Date 8-23-88

CONSULTANT SEAL

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

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
LICENSING REPORT

13-7401
Permit No.

Measurement Calculations

Field Measurement Calculations (Include theoretical capacities and system capacity)

Halls Meter: $Q = (A)(V_h)$ $A = \text{Area} = \frac{\pi d^2}{4}$ $V_h = \text{Halls Manometer Reading}$

$$Q_{\text{gpm}} = (A)(V_h) = \left[\frac{\pi d^2}{4} \right] (V_h) = \text{GPM} \div 448.8 \text{ gpm/cfs} = \text{CFS}$$

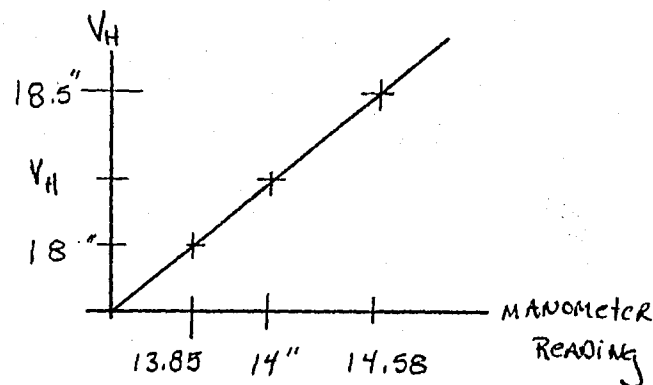
$$Q_{\text{cfs}} = \left[\frac{(3.1416)(8.25")^2}{4} \right] \times \left[\frac{(18.1")}{448.8} \right] = \underline{2.16} \text{ cfs}$$

TABLE 1

CHART TO CONVERT LINEAR INCHES DIFFERENTIAL
IN THE MANOMETER TO MANOMETER READING

$V_h = \text{HALLS Manometer Reading}$	Diff. Inches of Water	$V_h = \text{HALLS Manometer Reading}$	Diff. Inches of Water	$V_h = \text{HALLS Manometer Reading}$	Diff. Inches of Water
1	.140	17	12.435	33	43.950
1.5	.240	17.5	13.132	33.5	45.200
2	.350	18	13.846	34	46.500
2.5	.470	18.5	14.582	34.5	47.850
3	.600	19	15.336	35	49.200
3.5	.750	19.5	16.108	35.5	50.550
4	.903	20	16.898	36	51.900
4.5	1.080	20.5	17.707	36.5	53.250
5	1.283	21	18.534	37	54.600
5.5	1.540	21.5	19.380	37.5	56.000
6	1.803	22	20.246	38	57.35
6.5	2.094	22.5	21.129	38.5	58.7
7	2.397	23	22.031	39	60.05
7.5	2.722	23.5	22.951	39.5	61.4
8	3.066	24	23.891	40	62.75
8.5	3.428	24.5	24.849	40.5	64.1
9	3.810	25	25.825	41	65.45
9.5	4.210	25.5	26.820	41.5	66.8
10	4.627	26	27.834	42	68.15
10.5	5.063	26.5	28.866	42.5	69.5
11	5.520	27	29.917	43	70.85
11.5	5.994	27.5	30.987	43.5	72.2
12	6.486	28	32.075	44	73.55
12.5	6.997	28.5	33.181	44.5	74.9
13	7.526	29	34.307	45	76.25
13.5	8.074	29.5	35.681	45.5	77.6
14	8.642	30	36.580	46	78.95
14.5	9.228	30.5	37.750	46.5	80.3
15	9.832	31	38.960	47	81.65
15.5	10.454	31.5	40.200	47.5	83.00
16	11.096	32	41.450	48	84.35
16.5	11.756	32.5	42.800		

By Interpolation $V_h = 18.1"$



Annubar:

B = Difference in inches of water

C = Annubar Factor: Model 75 = -3.85
Model 73 = 4.14

$$Q_{\text{cfs}} = \left[\frac{(C)(id)^2 \sqrt{B}}{448.8} \right] K = \text{CFS}$$

$$Q_{\text{cfs}} = \left[\frac{(\quad)(\quad)^2 \sqrt{\quad}}{448.8} \right] (\quad) =$$

$$Q_{\text{cfs}} = \underline{\quad} \text{ cfs}$$

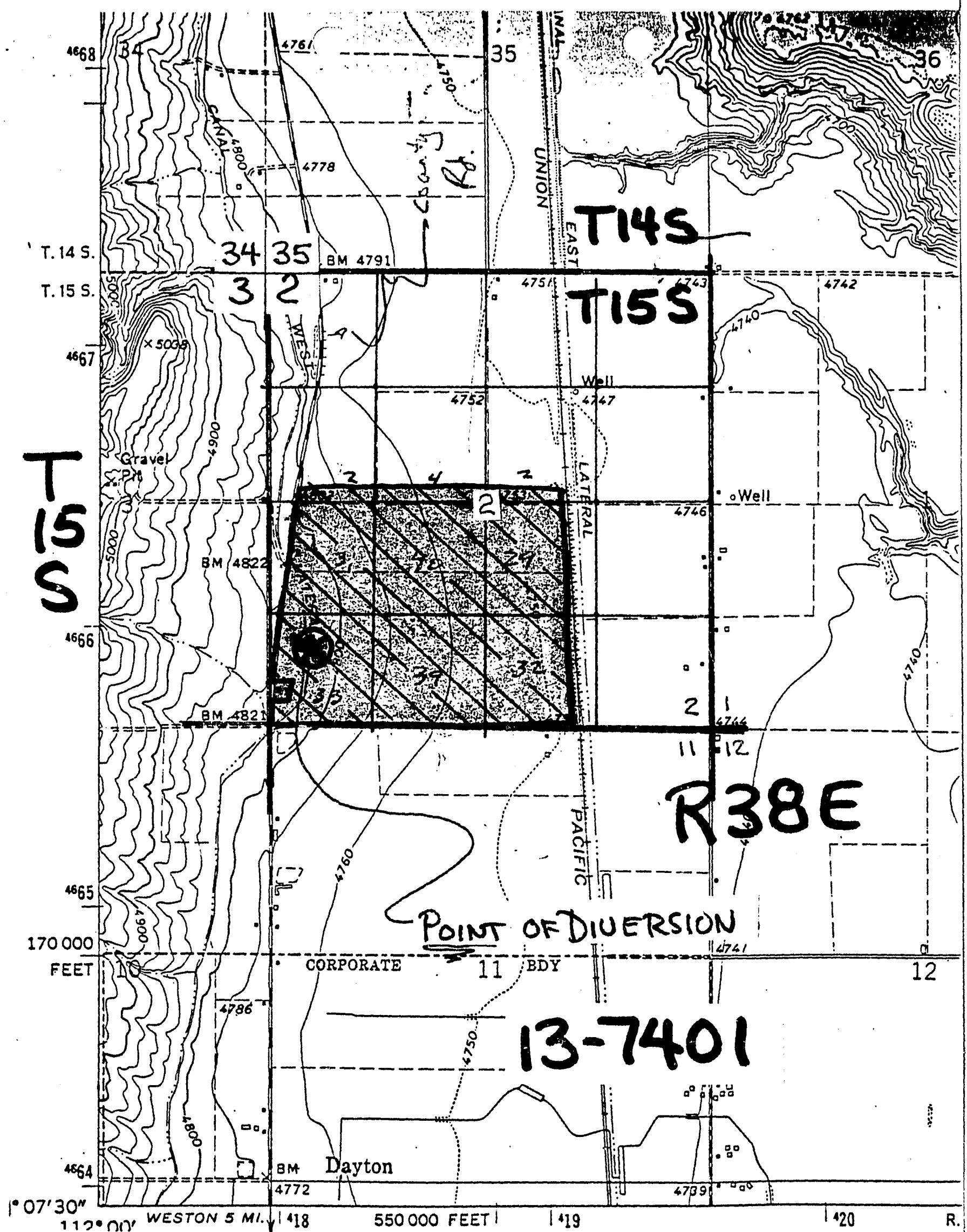
K = Flow Correction Factor

= 1 for Manometer

= # From Calibration Chart

C=Correction Factor

6"	-----3.75
7.98"	-----3.87
10"	-----3.94
12"	-----3.99
14"/16"	-----4.01
18"/24"	-----4.02
30"	-----4.03



13-7401

T145 R38E

T310 T155

D-518
Lynn Atkinson

C-231
Kent Howell

U.2 D-513 |
Claude Hower

2	3
8.8	10.8

T 303
1 37.3-624
Cluff Kern

T
15
T308
3
\$
Ray

21.5 D-594
Delmon
Griffeth

D-557
Bruce Naylor

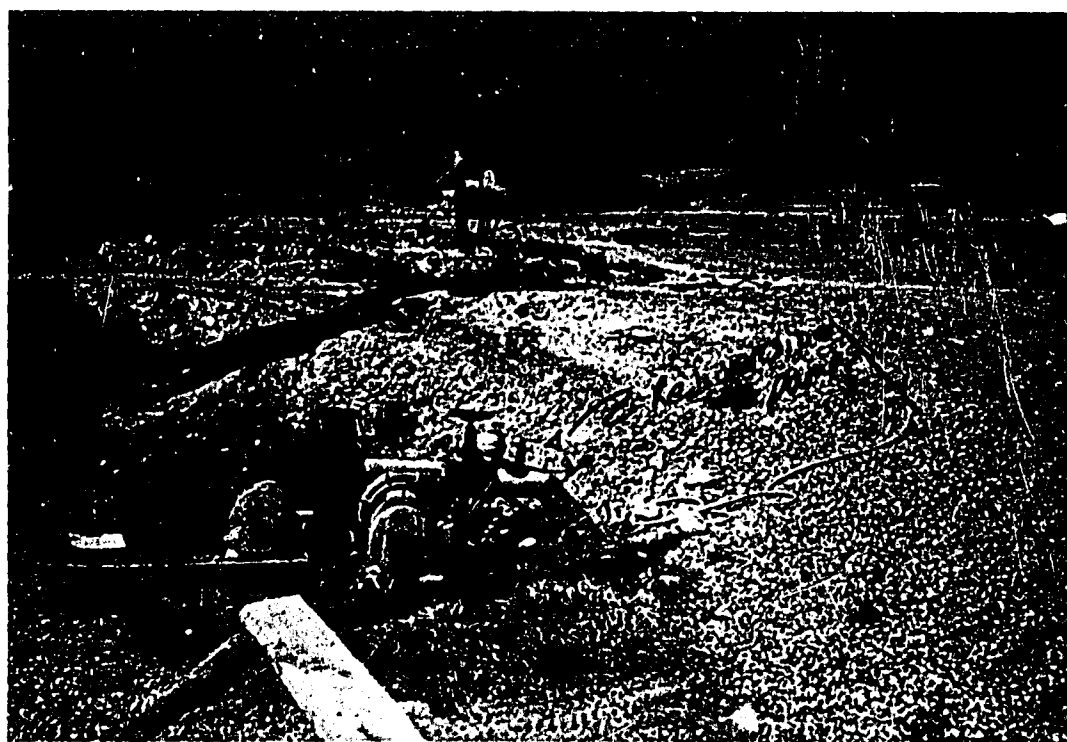
POINT OF DIVERSION

PLACE OF USE

NOT TO SCALE

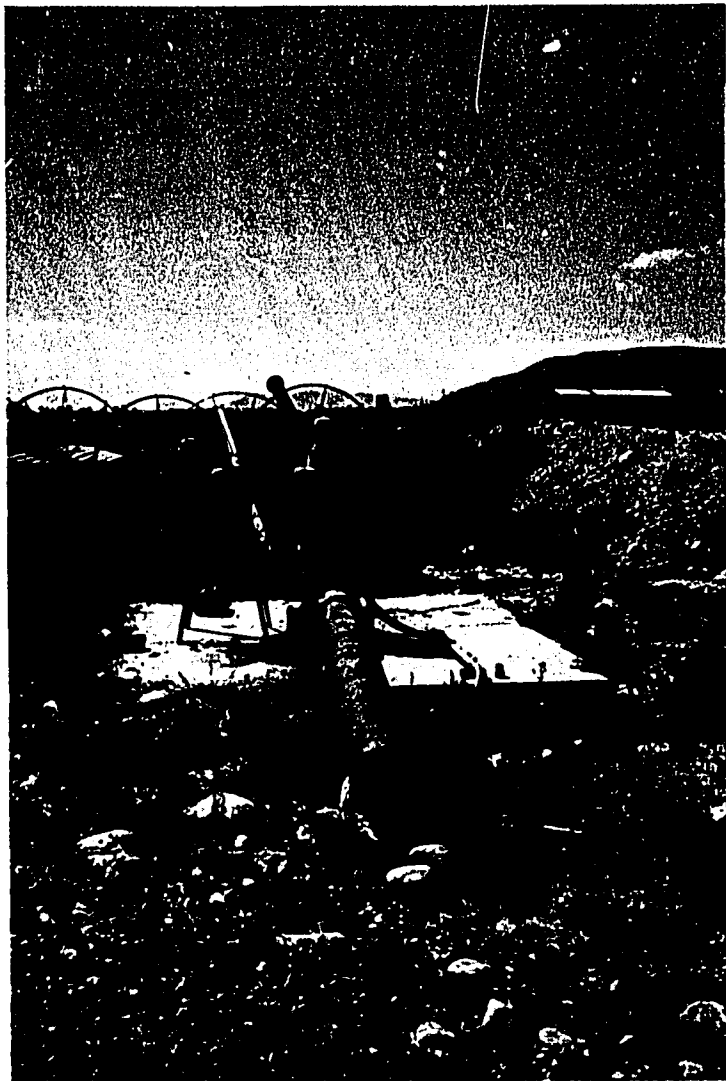
13-7401

13-7401



13-7401

13-7401



Open discharge
P.D.



13-7401

***FOR CLARITY
OF ANY
PHOTOGRAPHS
MICROFILMED,
SEE FILE.***



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

CECIL D. ANDRUS
GOVERNOR

R. KEITH HIGGINSON
DIRECTOR

March 9, 1994

BRUCE NAYLOR
DAVID NAYLOR
4736 W 2400 N
DAYTON ID 83232

RE: Permit No. 13-07401

Dear Permit Owners:

We are in the process of reviewing the above referenced permit for licensing. Because you submitted your Proof of Beneficial Use form in 1988 for 1.0 cfs, the Department has no alternative but to issue the license for less than the amount actually diverted unless the fee required for the rate of diversion for the irrigation use the examiner found is received. The amount of water to be licensed will be limited to 1.0 cfs rather than the permitted amount of 2.0 cfs.

You can submit the additional exam fee along with a late payment penalty. The priority of the right will be advanced according to the number of days from the date of this letter to the date we receive the extra fee.

The exam fee required to cover the additional 1.0 cfs is \$25 and the late penalty is \$25.00, for a total of \$50.00.

The Department will hold action on licensing this right for 30 days to allow you to submit the above fees. Please direct the payment to my attention. If we do not receive them, we will proceed with licensing the water right for the limited amount of water.

Sincerely,

BRENDA L. CHAPMAN
Water Resource Agent



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

CECIL D. ANDRUS
GOVERNOR

R. KEITH HIGGINSON
DIRECTOR

March 9, 1994

RECEIVED

MAR 16 1994

Department of Water Resources

BRUCE NAYLOR
DAVID NAYLOR
4736 W 2400 N
DAYTON ID 83232

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Sincerely,

Brenda L. Chapman

BRENDA L. CHAPMAN
Water Resource Agent

*Dear Brenda,
Thank you for your help!
Steve*

*3-14-94
Brenda said
88 site for 2 cfs*

RECEIPT
For Monies Paid
to the
Idaho Department of Water Resources

Receipt No: C029814

Date: 3/16/1994
Time: 09:36:34

Received
From: NAYLOR FARMS/BRUCE NAYLOR

Type of Payment		Program A cct	Amount
BENEFICIAL USE #13-07401	56104	229 21 1155	25.00
LATE FEE	56104	229 21 1155	25.00
Total			

CHECK 519

\$50.00

Region: STATE

Signature: DWright



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

CECIL D. ANDRUS
GOVERNOR

R. KEITH HIGGINSON
DIRECTOR

March 29, 1994

BRUCE NAYLOR
DAVID NAYLOR
4736 W 2400 N
DAYTON ID 83232

RE: WATER RIGHT NO. 13-07401

Dear Water Right Holder(s):

Enclosed herewith 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,

A handwritten signature in black ink, appearing to be 'Jim Johnson', written over the typed name.

JIM JOHNSON
Water Rights Supervisor

JJ:dc

Enclosure