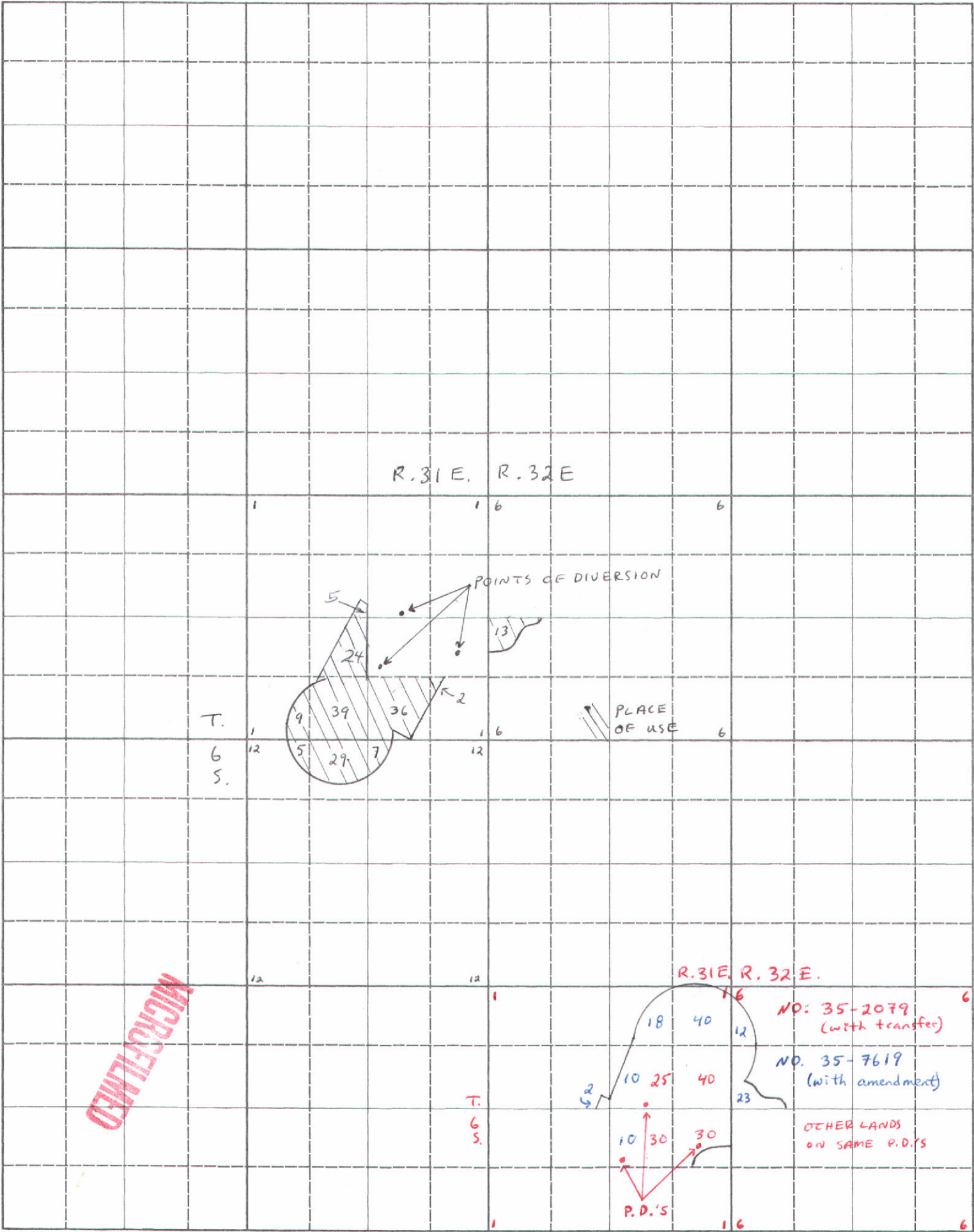


11. Map of proposed project: show clearly the proposed point of diversion, place of use, section number, township and range number.



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.

Kenneth Horsh
(Applicant)

35-7939

439
485F

39 1/2 mile

A.
161.2

North well
02 PD

B.
29.1

East Well
02 PD For 29900

South Well
02 PD

plus pivot

12

Vok

MICROFILMED

G-19

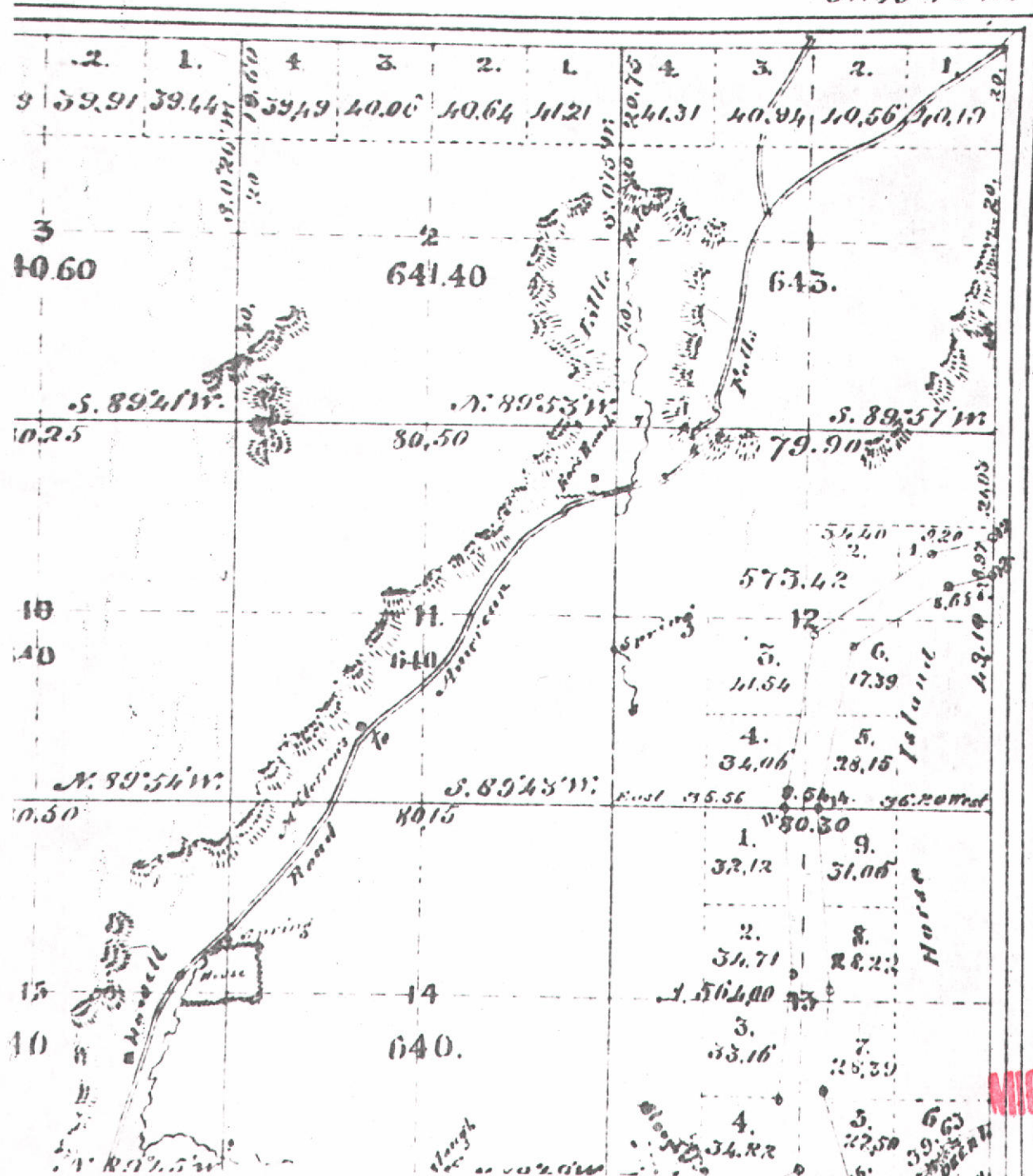
** see note on exam re: acreage found.

NOT TO SCALE

31 East. Boise Meridian

65

N: 894511:



Year	Month	Day	Time	Place	Remarks
1	Jan	1	8:00	St. John's	St. John's
2	Jan	2	8:00	St. John's	St. John's
3	Jan	3	8:00	St. John's	St. John's
4	Jan	4	8:00	St. John's	St. John's
5	Jan	5	8:00	St. John's	St. John's
6	Jan	6	8:00	St. John's	St. John's
7	Jan	7	8:00	St. John's	St. John's
8	Jan	8	8:00	St. John's	St. John's
9	Jan	9	8:00	St. John's	St. John's
10	Jan	10	8:00	St. John's	St. John's
11	Jan	11	8:00	St. John's	St. John's
12	Jan	12	8:00	St. John's	St. John's

MICROFILMED

32 East



35-7939

HORSCH, KENNETH

RT. 1, ABERDEEN, ID 83210

Source: GROUNDWATER

Date Filed: 01/07/1981

Amount: 3.38 CFS

Diversion Point: SWNE NESE NWSE Sec 01 T 06S R 31E, BINGHAM Co.

Use: IRRIGATION (3.38 CFS) from 04/01 to 11/01

Place of Use: LOT 06 (NWSW) Sec 06 T 06S R 32E SENW NESW SWSW SESW SWSE SESE
Sec 01 T 06S R 31E NWNE NENW NWNW Sec 12 T 06S R 31E
FOR 169 ACRES

Diversion Means: WELLS, PUMPS & PIPELINE.

MICROFILMED

35-7939
HORSCH, KENNETH
Rt. 1 Aberdeen, Idaho 83210
Source: GROUNDWATER
Date Filed: 01/07/1981
Amount: 3.38 CFS
Diversion Point: SWNE NESE NWSE
Sec 01 T 06S R 31E, Bingham Co.
Use: IRRIGATION (3.38 CFS) for
04/01 to 11/01
Place of Use: LOT 06 (NWSW) Sec 06
T 06S R 32E SENW NESW SWSW
SESW SWSE SESE Sec 01 T 06S R
31E NWNE NENW NWNW Sec 12 T
06S R 31E for 169 acres.
Diversion Means: WELLS, PUMPS &
PIPELINE
If issued, the permit(s) will be sub-
ject to all prior water rights. Protests
against the granting of any permit
must be filed with the Director of the
Idaho Department of Water
Resources, 150 Shoup Ave., Idaho
Falls, Idaho 83401 on or before
FEBRUARY 9, 1981.
C. STEPHEN ALLRED
Director
(6787)
Pub: 1-22, 29

Department of Water Resources
Eastern District Office
JAN 19 1981

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

License of Water Right No. 35-7939 Priority January 7, 1981 Amount 3.38 cfs

THIS IS TO CERTIFY, that Kenneth Horsch
of Aberdeen, Idaho, has complied with the terms and conditions of Permit
No. 35-7939 issued pursuant to Application for Permit dated January 7, 1981,
and has submitted proof to the Department of Water Resources on February 19, 1982,
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 5.88 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
Irrigation	from <u>April 1</u> to <u>November 1</u>	at <u>3.38</u> cfs and	<u>591.5</u> acre feet
	from _____ to _____	at _____ cfs and	_____
	from _____ to _____	at _____ cfs and	_____

(both dates inclusive)

Subject, however, to the condition that no more than 3.38 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
591.5 acre feet per year, said waters to be diverted within the NW $\frac{1}{4}$ SE $\frac{1}{4}$, NE $\frac{1}{4}$ SE $\frac{1}{4}$,
SE $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 1; Twp 6S, Rge 31E in the County of Bingham

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 $\frac{1}{4}$	
6S	31E	1								2	31		21	38			24		116
		12					31	22											53

Total number of acres irrigated 169

MICROFILMED

MICROFILMED

CONDITIONS OF APPROVAL

- a. 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.
 - b. The right to the use of the water hereby confirmed is restricted and appurtenant to lands or place of use herein described, and is subject to all prior water rights, as provided by the laws of Idaho.
 - c. Any water right confirmed in this license 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 license 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 license.
- This right when combined with Right Nos. 35-2079 & 35-7619 shall not exceed 5.88 cfs.

Witness the seal and signature of the Director, affixed at Boise, Idaho, this 9TH day of MAY, 19 85.

Acting for the Director
Norman C. Young

STATE OF IDAHO

Licensing

APPLICATION FOR AMENDMENT OF A PERMIT

RECEIVED
MAY 1985

To change the point of diversion and/or the place of use

Department of Water Resources

APPROVED

Comes now Kenneth Horsch

Phone 208 397-4913

of (address) 1990 S. 2600 W.
Aberdeen, ID 83210

, and represents to the

Director of the Idaho Department of Water Resources:

That he is the owner and holder of Permit to appropriate the Public Waters of the State of Idaho No. 35-7939, and requests that the permit and permit map be changed as follows:

- Point of diversion: NW 1/4 SE 1/4, Section 1, Township 6S, Range 31E, B.M.,
County of Bingham. Other points of diversion: NE 1/4 SE 1/4, SE 1/4 SW 1/4,
Section 1, Twp 6S, Rge 31E

- Period and nature of use: (irrigation, domestic, stockwatering, industrial, etc.)

No change

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)

Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre feet per annum)

- Place of use or land to be irrigated:

No change

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	

Total number of acres to be irrigated = _____

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

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Not Necessary

That no one will be injured by such change, and that such change will be made at permit holder's own risk.

1986
Kenneth Ward
(Signature)

Preliminary check by CS Fee = \$20.00 ✓

Publication prepared by D/A Date

Published in

Publication dates

A. KENNETH DUNN

Approve the above Application for Amendment for Permit No. 35-7939.

ACTION OF THE DEPARTMENT OF WATER RESOURCES

_____, of the Department of Water Resources hereby

Witness my hand this

day of

20W

19 85

Acting for the Director

[Handwritten signature]

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 Kenneth Horsch Phone 397-4913

Post office address Route #1, Aberdeen, ID 83210

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

3. Location of point of diversion is SW $\frac{1}{4}$ of NE $\frac{1}{4}$ of Section 1 Township 6S

Range 31E B.M. Bingham County, additional points of diversion if any: _____

NE $\frac{1}{4}$ SE $\frac{1}{4}$, NW $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 1, T. 6S, R. 31E, B.M., Bingham County

4. Water will be used for the following purposes:

Amount 3.38 for irrigation purposes from April 1 to Nov. 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. 3.38 cubic feet per second and/or b. _____ acre-feet per annum.

6. Proposed diverting works:

a. Description of ditches, flumes, pumps, headgates, etc. 3 wells and pumps to handlines and circle pivot

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 16 inches; proposed depth of well is 250 feet.

7. Time required for the completion of the works and application of the water to the proposed beneficial use is 1 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 _____.

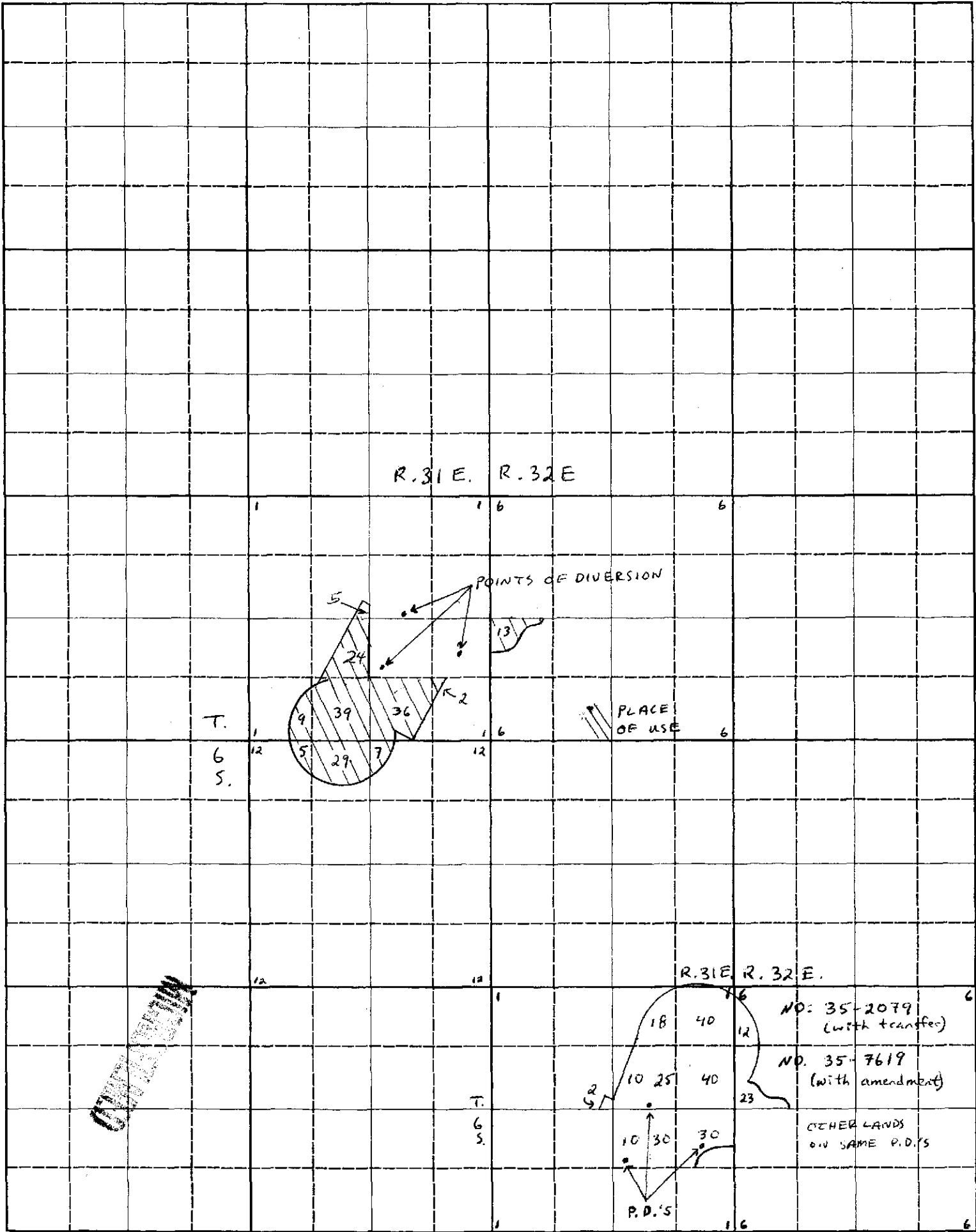
(5) If water is to be used for other purposes describe: _____

APPROVED

TWP	RANGE	SEC.	NEX				NW¼				SW¼				SE¼				TOTALS
			NEX	NW¼	SW¼	SE¼	NEX	NW¼	SW¼	SE¼	NEX	NW¼	SW¼	SE¼	NEX	NW¼	SW¼	SE¼	
6S	32E	6												13 (Lot 6)					13
6S	31E	1							5	24		9	39			36	2	115	
6S	31E	12			7			29	5									41	

Total number of acres to be irrigated 169

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.

Vincent H. Hersh
(Applicant)

DEPARTMENT OF WATER RESOURCES

J. Alan Saylor
Chief, Operations Bureau

Witness my hand this 12th day of March, 1981.

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. The issuance of this permit in no way grants any right-of-way or easement across the land of another.

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.

for April 1, 1982.

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

a. SUBJECT TO ALL PRIOR WATER RIGHTS.

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

of Idaho No. 35-7939, and said application is hereby approved.

This is to certify that I have examined Application for Permit to appropriate the public waters of the State

ACTION OF THE DIRECTOR, DEPARTMENT OF WATER RESOURCES

Recommended for approval denial by BMC

Hearing held by _____ Date _____

Copies of protests forwarded by _____

Protests filed by: None

Publication approved kw Date 2/18/81

Publication dates 1/22 & 1/29/81

Published in The Blackfoot News

Publication prepared by kw Date 1/15/81

Received by kw Date 1/7/81 #16148

Preliminary check by HWS Fee \$ 105.00

Received by BMC Date 1-7-1981 Time 3:45

Proposed Priority

1/7/81

rec'd
2/10/81
pw

Place of Use: LOT 06 (NWSW) Sec 06
T 06S R 32E SENW NESW SWSW
SESW SWSE SESE Sec 01 T 06S R
31E NWNE NENW NWNW Sec 12 T
06S R 31E for 169 acres.
Diversion Means: WELLS, PUMPS &
PIPELINE

If issued, the permit(s) will be sub-
ject to all prior water rights. Protests
against the granting of any permit
must be filed with the Director of the
Idaho Department of Water
Resources, 150 Shoup Ave., Idaho
Falls, Idaho 83401 on or before
FEBRUARY 9, 1981.

NOTICE OF APPLICATION FOR WATER RIGHT

Notice is hereby given that the
following application(s) have been
submitted for permit to appropriate
the public waters of the State of
Idaho:

35-7938

COX, VERL B. & DE ESTA
Rt. 4 Box 242
Blackfoot, Idaho 83221
Source: GROUNDWATER
Date Filed: 01/05/1981
Amount: 0.19 CFS
Diversion Point: NENE Sec 13 T 02S
R 33E, Bingham Co.
Use: IRRIGATION (0.15 CFS) from
04/01 to 11/01

DOMESTIC (0.04 CFS) from
01/01 to 12/31

Place of Use: NENE Sec 13 T 02S R
33E for 5 acres

Diversion Means: WELL, PUMP &
SPRINKLER SYSTEM

35-7939

HORSCH, KENNETH
Rt. 1 Aberdeen, Idaho 83210
Source: GROUNDWATER
Date Filed: 01/07/1981
Amount: 3.38 CFS

Diversion Point: SWNE NESE NWSE
Sec 01 T 06S R 31E, Bingham Co.

Use: IRRIGATION (3.38 CFS) from
04/01 to 11/01

C. STEPHEN ALLRED,
Director

(6787)

Pub: 1-22, 29

5b

AFFIDAVIT of PUBLICATION

County of Bingham)

State of Idaho David Mark Brown) ss.

I, do
solemnly

swear that I am the Publisher of
The Blackfoot News which is a daily newspaper of
general circulation published each day except Sunday
at Blackfoot, Bingham County, Idaho, said newspaper
having been so published at Blackfoot, aforesaid for
more than one year past; that said newspaper
heretofore complied with all the provisions of Chapter
154 of the Sessions Laws of Idaho of 1933, approved
March 11, 1933, and duly designated, pursuant to law,
a particular day of the week as the day on which legal
notices required by law or by the order of any Court
of competent jurisdiction with the State of Idaho
shall be published to-wit: Thursday of
each week; that the notice attached hereto and which
is a part of this affidavit and part of the proof of

of publication was published in said issue or said
newspaper two consecutive week

the first publication having been made on the
22nd day of January, 19 81

and the last publication having been made on the
29th day of January, 19 81;

that said notice was published in the regular and en-
tire issue of every number of the paper as aforesaid
during the period and time of publication, and that
notice was published in the newspaper and not in a
supplement.

Subscribed and sworn to before me this 30th

day of January, 19 81

Patricia A. Johnson

Notary Public for the State of Idaho.

Residing at Blackfoot, Idaho

My commission expires

Oct. 20, 1984

RECORDED

June 5, 1985

RE: Permit No. 35-7939

Kenneth Horsch
1990 S. 2600 W.
Aberdeen, ID 83210

Dear Mr. Horsch:

Enclosed herewith is a copy of your Water Right License issued on the above referenced permit along with a copy of your approved application for amendment. Also enclosed is Departmental Receipt No. 36443 in the amount of \$20.00.

Should you have any questions regarding these documents, please feel free to contact our office.

Sincerely,

JIM JOHNSON
Water Distribution Supervisor

JJ:sc
Enclosures

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RECOMMENDED AMOUNTS

30 day #1

Permit No.	Priority	Amount	App. Date	Date Proof Submitted	System Capacity
35-7939	1-7-1981	3.38	1-7-1981	2-19-1982	5.61 5.88 cfs

Permit Holder: ~~Kenneth Horsch~~ Kenneth Horsch

Address: Rt 1, Aberdeen, ID 83210

Source: Groundwater tributary to

Beneficial Use	Period of Use From To	Rate of Diversion Q (cfs)	Annual Volume V (afa)
Irrigation	4-1 11-1	3.38 cfs	591.5 AF

Allowable Maximums: 3.38 cfs 591.5 AF

Point(s) of Diversion:

No.	Govt. Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County
North Well		✓	NW	SE	1	6S	31E	Bingham
East Well		✓	NE	SE	1	6S	31E	
South Well			SE	SW	1	6S	31E	

Place(s) of Use no change 169 ac. x 0.02 = 3.38 cfs needed

Twp.	Rge.	Sec.	NE 1/4				NW 1/4				SW 1/4				SE 1/4				Totals
			NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	
6S	31E	1								2	31		21	38			24		116 ✓
		12					31	22											53 ✓
Total Acres 169 ✓																			

Recommended Conditions/Remarks: Transf 2506 / 35-2079, 35-7619 (amended Permit)

and this permit list pd's which did not totally agree with my findings.

If applicants agree with my locations & file licensing amendments then Transf.

2506 ought to be considered for a change in PD also.

Since 178 acres were found but only 169 acres allowed under permit 9 acres were

deleted.

condition R17 (35-2079 + 35-7619) 5.88 cfs *

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

Examiner's Signature *W. Jerry*

Date 8-10-84

Checked in Regional Office by *Keith Carlson*

Date 7 Sept 1984

Approved in State Office by *K. Walker*

Date 4/11/85

* See note on previous page

MICROFILMED



State of Idaho

DEPARTMENT OF WATER RESOURCES

STATE OFFICE, 450 W. State Street, Boise, Idaho

JOHN V. EVANS
Governor

A. KENNETH DUNN
Director

April 16, 1985

Mailing address:
Statehouse
Boise, Idaho 83720
(208) 334-4440

RE: Permit No. 35-7939

Kenneth Horsch
Rt. 1
Aberdeen, ID 83210

Dear Mr. Horsch:

A representative of this Department made an examination of the works covered by your Permit No. 35-7939 and has found the following:

Amount of water that can be recognized as beneficially used under Idaho law: 3.38 cfs Source: groundwater

The maximum quantity diverted shall not exceed 591.5 acre feet per year.

Point(s) of diversion: NW $\frac{1}{4}$ SE $\frac{1}{4}$, NE $\frac{1}{4}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 1, Twp 6S, Rge 31E

Beneficial Use: Irrigation of 116 acres within SE $\frac{1}{4}$ NW $\frac{1}{4}$, E $\frac{1}{2}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$ SW $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 1; and 53 acers within N $\frac{1}{2}$ NW $\frac{1}{4}$, Sec. 12; Twp 6S, Rge 31E

Priority date established: January 7, 1981

Conditions (if any): This right when combined with Rt. Nos. 35-2079 & 35-7619 shall not exceed 5.88 cfs.

In order for the Department to issue the above license, it will be necessary for you to amend the permit to correspond with the findings of the field examiner. We are enclosing a partially completed amendment form for your use in this matter.

Please sign the amendment application and return it to this office along with a \$20.00 filing fee within 30 days in order that we might issue your license as set forth above. If you do not concur with these findings or have any questions, please contact us within the 30-day period.

Sincerely,

JIM JOHNSON
Water Distribution Supervisor

JJ:sc
Enclosure

MICROFILMED

RECEIVED

SEP 13 1984

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
LICENSING REPORT

35-7939

Permit No.

Department of Water Resources

Measurement Calculations

a) Field Measurement Calculations (Include theoretical capacities and system capacity)

N. Well - Mainline = $0.922 \times 17'' \text{MR} = \sqrt{15.674} \times 3.85 \times (7.5'' \text{ID})^2 = 857.4 \text{ gpm}$
Secondary line = $0.979 \times 2'' \text{MR} = \sqrt{1.958} \times 3.85 \times (7.5'' \text{ID})^2 = 303 \text{ gpm}$
(2.59 cfs) ✓

East Well - Sprinkler line by Potot gauge
70 psi Au, 5/32 N, ^{50''} Sprinkler = $6.10 \text{ gpm} \times 30 \text{ sprinklers} = 183 \text{ gpm}$
(0.34 cfs) ✓

South Well - (2 access ports) - $(7.5'' \text{ID})^2 \times 3.85 \times \sqrt{6.95} \text{ adj} = 570.92 \text{ gpm}$
These measurements taken 7-6-82 $(7.5'' \text{ID})^2 \times 3.85 \times \sqrt{7.736} = 602.34 \text{ gpm}$
1173.26 $\frac{1173.26}{2} = 586.63 \text{ gpm}$ or (2.61 cfs) ✓

b) Volume Calculations for Irrigation: 214 irrig. days
3.5 AF/A Total 5.61 cfs
5.88 cfs* ✓
 $V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 169 \text{ acres} \times 35 \text{ cfs/a} = 591.5 \text{ cfs}$
 $V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = 3.38 \text{ cfs} \times 214 \times 1.9835 = 1434.7$
 $V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = 591.5 \text{ cfs}$

c) Volume Calculations for Other Uses:

Overlap Review

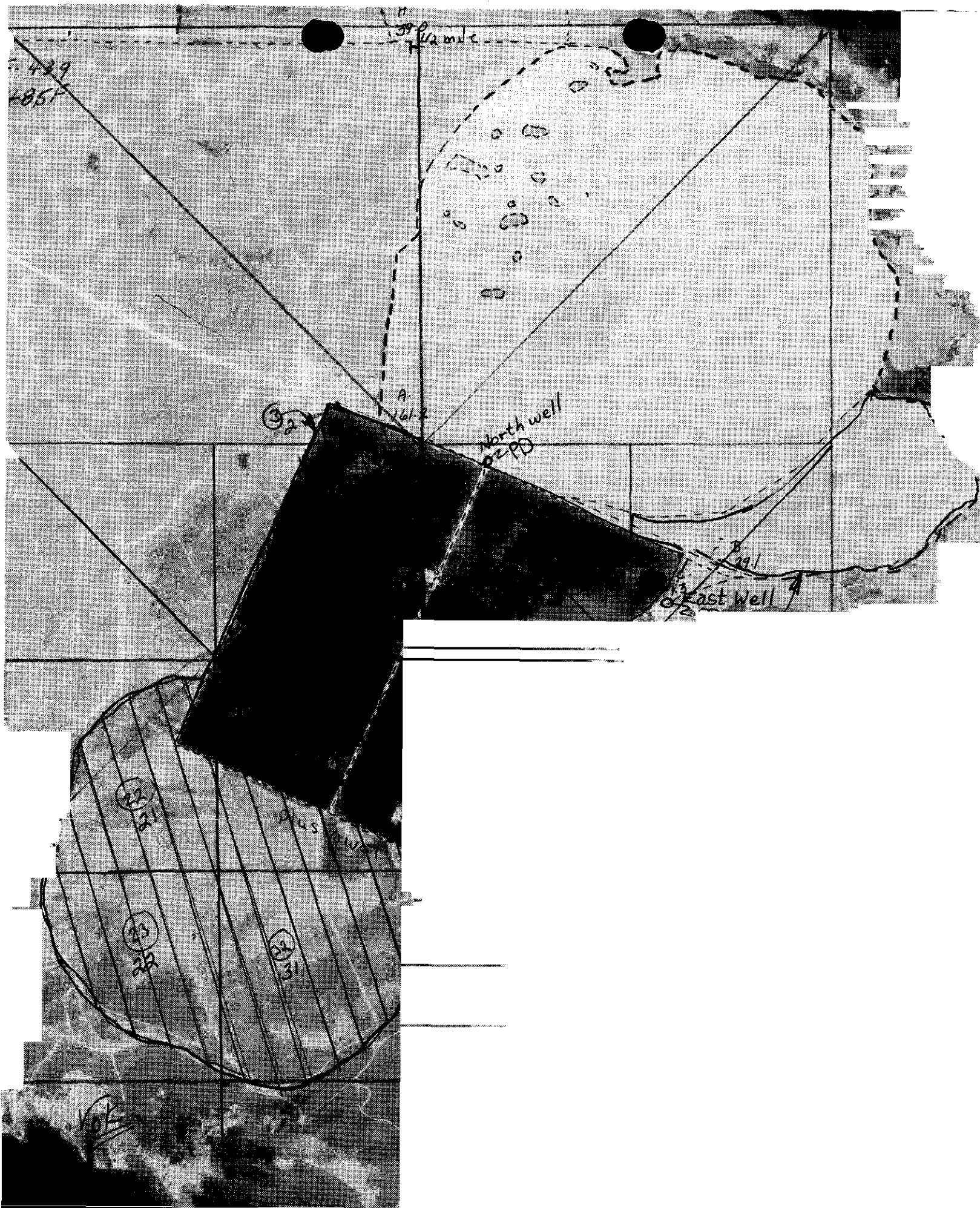
- a) Other water rights with same place of use: _____
- b) Other water rights with same point of diversion: Transf 2506 / 35-2079 For 2.5 cfs
+ 125 acres. Also RD License 35-7939 Kew
35-7619
- c) Analysis:

(R17) When License 35-2079 (Tr. 2506), License 35-7939 + "35-7619 are used in conjunction a pumping rate of no more than 5.61 cfs can be recognized.
5.88 cfs*

NOT RECORDED

* Per conv. with field examiner, H. W. JONES
corrected by D. Turhill 3/6/85

35-1939



** see note on e re: area of A. d.

1984

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

Department of Water Resources

Permit No. 35-7939
Phone No. 397-4913

1. Owner: Kenneth Horsch
Current Address: Rt 1 Aberdeen, ID

2. Accompanied by: Ken Horsch EXAM. DATE: 7-6-82
Address: _____ Phone No. 7-2-84
Relationship to Permit Holder: Applicant (year-measure)
3. Source: Groundwater tributary to _____

Well/Diversion* No.	Motor Make	HP	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
North Well	GE	100	EMJ526137	Babcock	NA
East Well	GE	40	6517893AB	Whitman	47927
South Well	Yaskawa	100	90T338206	Johnston	NA
Booster	G.E.	40	NA.	Cornell	33023

*Code with points of diversion, system diagram & photos on reverse side. Disregard if only one.

System Description (As operating at time of measurement. Indicate pressure, number of sprinklers, etc.)

3 wells/pumps to 2 pivots and sprinkler lines

e. Gifford Hill n Tower Pivot and one hand line at N. Hill

by 2 handlines at East well

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Annubar					6	
Eagle meter					2-154 10-80	

Measurements *N. Wall 2000-00-01* ☐ Additional data/computation sheets attached

Measurements N. Well 2 access points ☐ Additional data/computation sheets attached

Main line - 17" MR East well - Pot gauge -

Secondary line - 2" MR because of 5 1/2" diameter

7.5" ID in both lines main line

*See Remarks	GPS	5/32N	75
Point(s) of Diversion:	Indicate Method of Determination	36 binds	51

Point(s) of Diversion:

Indicate Method of Determination

[illegible]

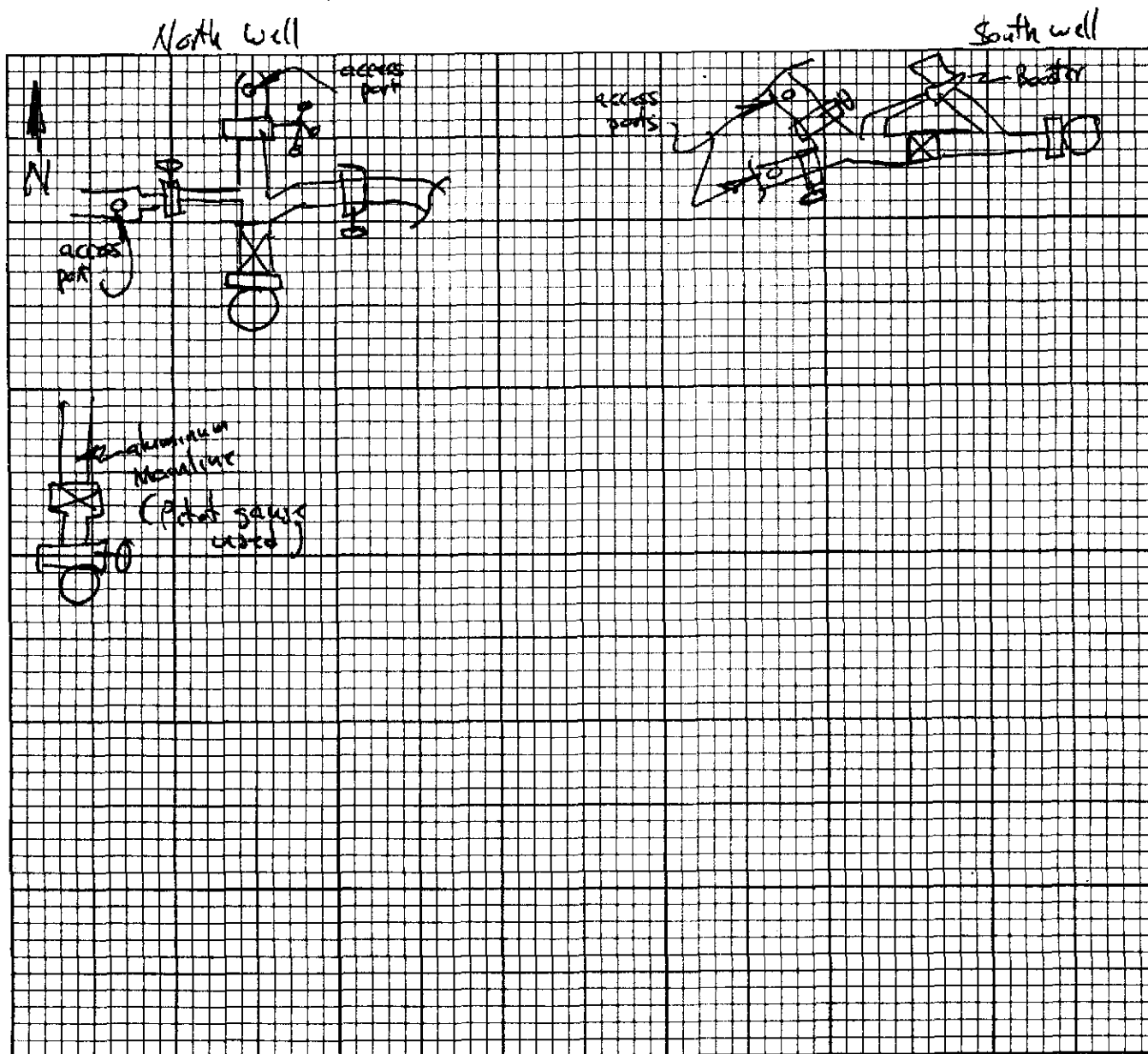
Place(s) of Use:

Irrigation - give acres served by system at time of exam.
Indicate Method of Determination

[illegible]

* Per Conv w/ H.W. Jones. Corrected by T. Tuxhill 3/6/5

10. Other water rights on these lands _____
11. Other water right diverted from same p.d. Tr. 2506 / 35-2079, RD License 35-7619
12. **Diversion and Delivery System Diagram:** Indicate all major components and distances between components. Indicate ditch size/pipe i.d. as applicable. Indicate on systems with measurement port the distance between the port and the nearest component/pipe bend/restriction both upstream and downstream, and the inside pipe diameter at the measurement port. On multiple diversion systems indicate how diversion systems are connected.



13. ☐ Photo of Diversion & System Attached

☒ Aerial Photo of Place of Use Attached or Map of Irrigated Acreage Attached

14. Remarks Original measurement did not get system with all lines on + measurable. After discussion with Mr. Hersh we decided to remeasure.

* South well - 2 access ports * 1 - 7.2" MR 7.9" Annular + 2 - 13" Meter
7.5" ID * 2 - 8" MR
on TNL 9 Tower Pivot + S 1/4 mile lines

15. 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

16. Examiner's/Consultant's Signature

R.W. Jones

Date 7-2-84

Consultant's License Number _____

"IDWR Director's Authorization to Conduct

Beneficial Use Examination _____

Date

CONSULTANT SEAL

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Overlap Review for Permits 35-7619 & 35-7939
per terminal 4/11/85:

p/d's (both rights have same p/d's)
35-2079 Lic.

~~29-2380~~ No, these p/d's on other side
of Snake River.

plu : 35-7619 → 35-2079 - no plu overlap
35-7939 - no plu overlap
~~35-8082~~ → app., NO OVERLAP
35-2004 ✓
35-7939 → ~~35-8082~~ → app., NO OVERLAP

Analysis:

p/d overlap, 35-2079 - examiner has notated
that this right is also diverted
from these 3 wells - Lic. with
transfer #2506 - see attached - no
plu overlap with 35-7939; no plu
overlap with 35-7619.

35-2004 - possible plu overlap in NWSW,
Sec. 6, T. 6S, R. 32E (35-7619) no
plu overlap with 35-7939
source - Big Hole Springs, Parrish
Springs & Bowman Springs -
further review found no plu
overlap.

MICROFILMED over

Review of these rights found that there is no place of use overlap.

There are 3 rights diverting water from these 3 p/d's.

~~35-~~ 35-2079 Lic. - 2.5 cfs

35-7619 Recommended - 2.3 cfs

35-7939 Recommended - 3.38 cfs

Capacity of the wells = 5.88 cfs

0.02 cfs/acre licensed $\rightarrow$ 2.5 (35-2079)

3.38 remaining

I recommend we allow an inch per acre for the 2 pending licenses with a condition limiting use to capacity of wells.

Kay Walker

4/11/85

We should also request a transfer of Rt. 35-2079 to correct the points of diversion per examiner's recommendation.

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RECEIVED

SEP 18 1984

Transfer No. 2506

Water Right No. 35-2079

STATE OF IDAHO

Department of Water Resources

APPLICATION FOR TRANSFER OF WATER RIGHT

To Change the Point of Diversion and/or the Place of Use

APPROVED

Name of applicant Kenneth Horsch Phone 397-4913

Post office address Route #1, Aberdeen, ID 83210

A. DESCRIPTION OF RIGHT AS RECORDED

1. Right evidenced by:

a. Decree to _____ (Name)
in case of _____ vs _____
dated _____ in _____ county of _____ (Name of court)

b. License No. 35-2079 issued by the Idaho Department of Water Resources

c. Claim No. _____ on file with the Idaho Department of Water Resources

2. If applicant is not the original holder of this right, explain how it was acquired and attach a copy of the deed or other evidence of ownership of the land to which the right is appurtenant

3. Source of water groundwater tributary to

4. Date of priority Sept. 11, 1947

5. Water is used for the following purposes:

amount 2.5 cfs for irrigation purposes from April 1 to November 1
amount for purposes from to
amount for purposes from to (month/day - both dates inclusive)

6. Total amount of water under right: a. 2.5 cubic feet per second
&/or
b. acre feet per annum

7. Location of original point of diversion is NW 1/4 of SE 1/4 of Section 1
Township 6S Range 31E, B.M., in Bingham County
Additional points of diversion, if any

8. Lands irrigated or place of use:

WP	RANGE	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	
S	31E	1			40	25									30	30			125

Total number of acres to be irrigated 125

9. Describe any other water rights used for the same purposes as described above none

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DESCRIPTION OF PORTION OF RIGHT OWNED BY APPLICANT (If the entire right is owned by the applicant, omit part B).

1. Amount of water: a. _____ cubic feet per second
&/or
b. _____ acre feet per annum
2. Point of diversion _____ $\frac{1}{4}$ _____ $\frac{1}{4}$, Section _____ Township _____
Range _____, B.M., _____ County _____
Additional points _____

3. 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 $\frac{1}{4}$	

C. DESCRIPTION OF RIGHT OR PORTION THEREOF, AFTER THE REQUESTED CHANGE

1. Change in point of diversion
- a. Amount of water to be diverted 2.5 c.f.s. &/or _____ acre feet
- b. Point(s) of diversion NW $\frac{1}{4}$ SE $\frac{1}{4}$, Section 1 Township 6S
Range 31E, B.M., Bingham County _____
Additional points NE $\frac{1}{4}$ SE $\frac{1}{4}$, SW $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 1, Twp. 6S, Rge. 31E, B.M., Bingham Co.
- c. Description of diverting works Three pumps interconnected with mainline to
circle pivot and handlines.
- d. Describe the reasons for applying for a change in the point(s) of diversion The addition of two
pumps to the irrigation system.

2. Change in place of use

- a. Describe the lands or place of use to which the right will be transferred:

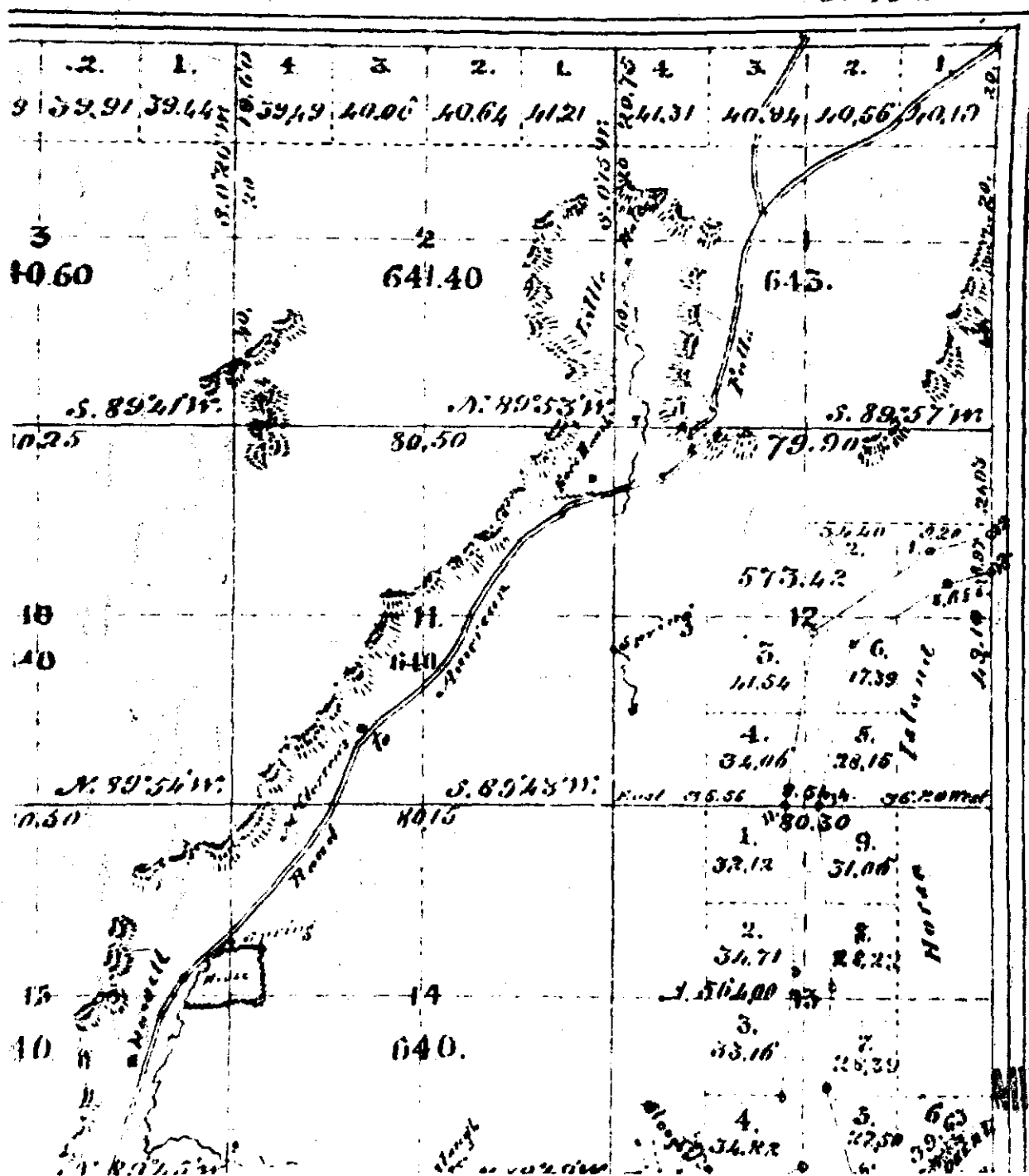
TWP.	RANGE	SEC.	NE $\frac{1}{4}$				NW $\frac{1}{4}$				SW $\frac{1}{4}$				SE $\frac{1}{4}$				TOTALS
			NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	
6S	31E	1			25	40									30	30			125

Total number of acres to be irrigated 125

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65

N: 894511:



Year	Month	Day	Time	Place	Remarks
1	Jan	1	8		
2	Jan	2	8		
3	Jan	3	8		
4	Jan	4	8		
5	Jan	5	8		
6	Jan	6	8		
7	Jan	7	8		
8	Jan	8	8		
9	Jan	9	8		
10	Jan	10	8		
11	Jan	11	8		
12	Jan	12	8		

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32 East



RATE OF FLOW ANALYSIS

D. TUTHILL
3/6/85

GIVEN: FIELD EXAM FOR WTR RT 35-7939, CONDUCTED BY H. W. JONES
7-2-84

TO FIND: CAN THE RECOMMENDED RATE OF FLOW
FOR THE "EAST WELL" BE INCREASED?

SOLUTION:

A. ESTIMATE DEPTH TO G.W. IN VICINITY OF WELL

1. Well Log - Copy attached for nearby well (north well)
located in the NW $\frac{1}{4}$ SE $\frac{1}{4}$ S.1. Dynamic pumping level
shown to be 95'.

2. Computation based on data from north well (NW $\frac{1}{4}$ SE $\frac{1}{4}$ S.1)

$$H = \frac{8.8 \text{ HP } \Sigma}{Q} \quad \text{where } H = \text{Lift} + \text{Pressure at Nozzles} + \text{Friction}$$

From Field exam: HP = 100

$$Q = 2.59 \text{ cfs}$$

Assume: Pressure at exit from well = 80 psi (includes friction + pressure)

$$\Sigma = 80\%$$

$$H = \text{Lift} + 80 \text{ psi} = \frac{8.8 (100) (.8)}{2.59}$$

$$\begin{aligned} \text{Lift} = \text{Depth to water} &= 272' - \left[80 \frac{\text{lb}}{\text{in}^2} \times \frac{144 \frac{\text{in}^2}{\text{ft}^2}}{62.4 \frac{\text{lb}}{\text{ft}^3}} = 184.6' \right] \\ &= \underline{87'} \end{aligned}$$

3. Computation based on data from south well (SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec.1)

From Field exam: HP = 100

$$Q = 2.61 \text{ cfs}$$

Assume: Pressure at exit from well = 80 psi

$$\text{Lift} = \frac{8.8 (100) (.8)}{2.61} - 184.6' = \underline{85'}$$

4. Assume that lift = average of values shown in (1), (2), (3) above:

$$\frac{95 + 87 + 85}{3} = \underline{89'}$$

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NOTE: SEE FILE 35-7619 FOR ORIG MEMO + ATTACHMENTS

RATE OF FLOW ANALYSIS, CONT.

B. COMPUTE ESTIMATED FLOW OF EAST WELL:

1. Theoretical Discharge Method:

From Field Exam: HP = 40

Assume: Pressure at exit from well = 80 psi
 $\epsilon = 80\%$ Depth to Water (dynamic) = 89' (from Part A)

$$Q = \frac{8.8 \text{ HP } \epsilon}{H}$$

$$Q = \frac{8.8 (40) (.8)}{89 + 184.6} = \underline{\underline{1.03 \text{ cfs}}}$$

2. Nozzle Discharge Method

Field Exam Shows 50 sprinklers @ $5/32"$ Nozzles,70 psi Ave $\Rightarrow$ 6.10 gpm/sprinkler.Assume that the nozzles are pressure regulating,
with a 70 psi max.

Then discharge would be:

$$6.10 \text{ gpm/sprinkler} \times 50 \text{ sprinklers} = 305 \text{ gpm} = .68 \text{ cfs}$$

3. Pump design check.

From field exam, pump is a Worthington (no model no. give)
The Dept does not have a book of Worthington Irr pump
curves (that I was able to locate), but an Aurora pump
curve has been selected as a similar document. As
shown on the attached copy of the curve, for a
Total Dynamic Head of about 275', with a HP of 40,
a five stage type A pump would require a 40 HP motor,
would generate a head of 275', and would operate at an
efficiency of about 81%, which checks with assumption
above.

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RATE OF FLOW ANALYSIS, CONT.

B. (CONT)

4. Estimate of Discharge.

Comparison of the theoretical rate of flow (1.03 cfs) vs. the extrapolation based on sprinkler output (0.68 cfs) requires an assumption about the actual system operation. Likely the estimated Efficiency of 80% is not achieved in the on-the-farm operation, so the value of 0.68 cfs is likely closer to the actual rate diverted for irr purposes.

∴ Recommended Rate of Flow for East Well = 0.68 cfs



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
EASTERN REGION

John V. Evans
Governor

C. Stephen Allred
Director

1515 Lincoln Road
Idaho Falls, Idaho 83401
(208) 523-7186

April 20, 1982

RE: Permit No. 35-7939

Kenneth Horsch
Rt. #1,
Aberdeen, Id. 83210

Dear Mr. Horsch:

We acknowledge receipt of the proof of beneficial use card submitted 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 just when this examination will be made, but our examiner will try to contact you at the time he makes the examination so that you may show him the system.

If you have any questions regarding the field examination, please contact our eastern regional office.

Very truly yours,

BOBBIE R. STEPHENS
Principal Clerk

IDWR - State Office

RECEIVED
APR 22 1982
IDWR

DEPARTMENT OF WATER RESOURCES

The Idaho Department of Water Resources will consider this card as a statement that the permit holder(s) has completed development to the extent shown below of Permit 38-7937.

Name(s) of Permit Holder: Kenneth Horsch

Post Office Address: Route 1, Aberdeen ID 83210

Tel. No. 397-4413

Source of Water:

Extent of Use:

- ☐ Domestic _____ (number of households)
☐ Stockwater _____ (number and type of stock)
☒ Irrigation 164 _____ (acres)
☐ Other _____

Measuring Device:

Required?

☐ Yes ☐ No

Installed?

☐ Yes ☐ No

Access Port:

Required?

☒ Yes ☐ No

Installed?

☒ Yes ☐ No

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

2/16/82

Kenneth Horsch

Date

Signature of Permit Holder

PLACE
TEN CENT
STAMP
HERE



IDAHO DEPARTMENT OF WATER RESOURCES
STATEHOUSE

BOISE, IDAHO 83720

Department of Water Resources
FEB 25 1982

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

STATEHOUSE
BOISE, IDAHO 83720
(208) 334-4440
CERTIFIED MAIL

138153

HORSCH, KENNETH
RT. 1
ABERDEEN, ID 83210

JANUARY 31, 1982

DEAR PERMIT HOLDER:

ONE OF THE CONDITIONS OF APPROVAL OF YOUR WATER PERMIT NO. 35-7939 WAS THAT EVIDENCE OF THE EXTENT OF DEVELOPMENT MUST BE SUBMITTED TO THIS OFFICE ON OR BEFORE APRIL 01, 1982. (SEE LAST PAGE OF YOUR APPROVED PERMIT). ENCLOSED IS A POST CARD WHICH MAY BE USED TO SUBMIT THE REQUIRED PROOF OF BENEFICIAL USE.

IF YOU HAVE NOT FULLY COMPLETED YOUR PROJECT, AND YOU HAVE NOT PREVIOUSLY RECEIVED AN EXTENSION OF TIME, YOU MAY REQUEST AN EXTENSION OF TIME PROVIDED THE DELAY IS FOR REASONABLE CAUSE AS INDICATED IN SECTION 42-204, IDAHO CODE, AMENDED. IF YOU HAVE BEEN PREVENTED FROM PROCEEDING BY A GOVERNMENTAL AGENCY OR BY LITIGATION, MORE THAN ONE EXTENSION OF TIME CAN BE GRANTED.

EITHER THE BENEFICIAL USE POST CARD OR A REQUEST FOR AN EXTENSION OF TIME MUST BE RECEIVED BY THIS DEPARTMENT ON OR BEFORE THE ABOVE MENTIONED DATE, OTHERWISE, THE PERMIT WILL LAPSE AND BE OF NO FURTHER FORCE OR EFFECT WITHIN 60 DAYS.

SINCERELY,

RITA FLECK
SR. SECRETARY

ENC: 1

MICROFILMED

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

STATEHOUSE
BOISE, IDAHO 83720
(208) 334-4440

HORSCH, KENNETH
RT. 1
ABERDEEN, ID 83210

MARCH 17, 1981

RE: PERMIT NO. 35-7939

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.

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

SINCERELY,

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

ENCLOSURE

MICROFILMED

State of Idaho
Department of Water Resources

APPLICATION FOR PERMIT ANALYSIS SHEET

35 7939

INITIAL REVIEW BY: HOS

APPLICATION NUMBER: Horsch

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. _____
☒ Yes ☐ No* In form for advertising.
Final date for protests: Feb. 9 ✓
☐ Yes ☒ No Protests received. If yes, record information on 4th page of application.

FINAL REGIONAL PROCESSING REVIEW:

- ☒ Affidavit of publication received. Date: 2-6-81 ✓
☒ 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? _____
✓ 1-7-1981 Date of priority recommended.
Special conditions of approval or cover letter. _____

By: Ernest Carlson Date: 2-23-1981

STATE OFFICE REVIEW:

SLW/L03 OIC, 04

☐ See attached sheet for more information.

By: Roupin Date: 3/11/81

35-7939-

HORSCH, KENNETH

RT. 1, ABERDEEN, ID 83210

Source: GROUNDWATER

Date Filed: 01/07/1981

Amount: 3.38 CFS

Diversion Point: SWNE NESE NWSE Sec 01 T 06S R 31E, BINGHAM Co.

Use: IRRIGATION (3.38 CFS) from 04/01 to 11/01

Place of Use: LOT 06 (NWSW) Sec 06 T 06S R 32E SENW NESW SWSW SESW SWSE SESE
Sec 01 T 06S R 31E NWNE NENW NWNW Sec 12 T 06S R 31E
FOR 169 ACRES

Diversion Means: WELLS, PUMPS & PIPELINE.



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