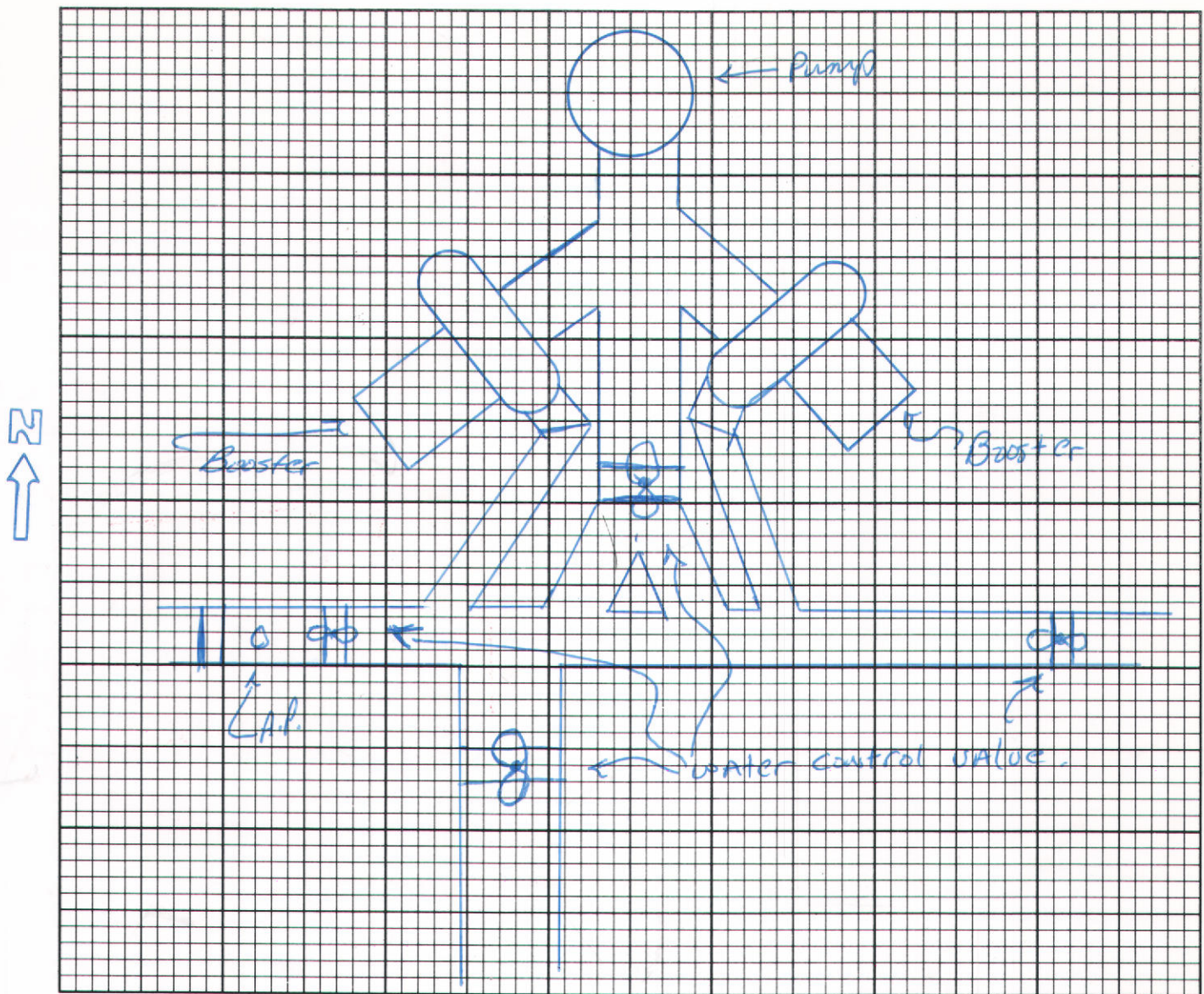


10. Other water rights on these lands NA
11. Other water right diverted from same p.d. ~~35-7255~~ 35-7255 + 38-7825
12. **Diversion and Delivery System Diagram:** Indicate all major components and distances between components. Indicate ditch size/pipe i.d. as applicable. Indicate on systems with measurement 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 For photo of P.D. Refer to permit NO. 35-7825.

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 Richard L. Senon Jr. Date 8-18-86

Consultant's License Number _____

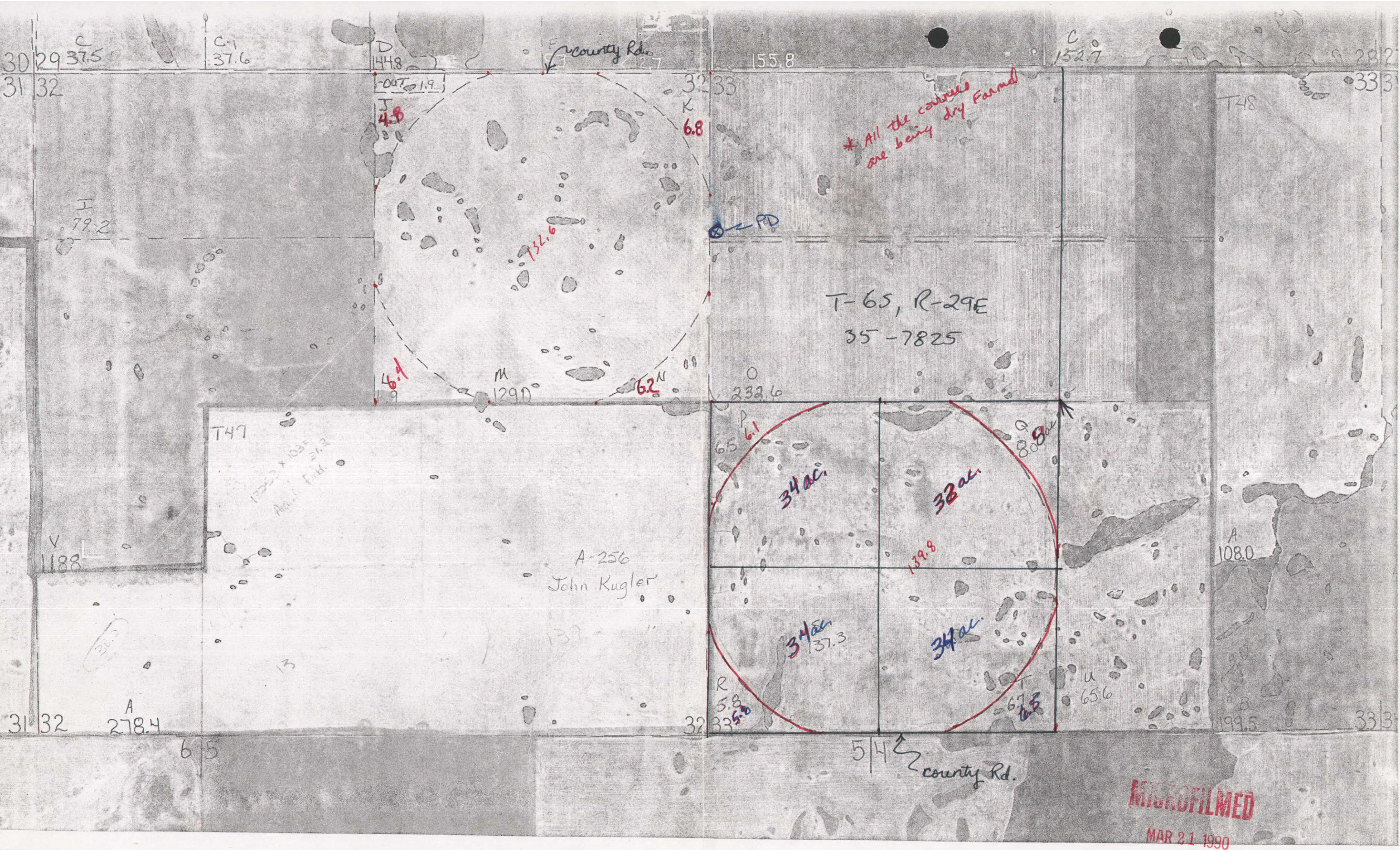
IDWR Director's Authorization to Conduct

Beneficial Use Examination _____

Date

MICROFILMED
MAR 21 1990

CONSULTANT SEAL



REFILMED

MAR 21 1990

35-7926

35-7926



State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 35-07926

Priority: November 12, 1980

Maximum Diversion Rate: 2.68 CFS
Maximum Diversion Volume:¹ 469.0 AF

This is to certify, that ROTH RANCHES
761 HUTCHINSON

AMERICAN FALLS, ID 83221 has complied with the terms and conditions of the permit, issued pursuant to Application for Permit dated November 12, 1980; and has submitted Proof of Beneficial Use on September 23, 1985. An examination indicates that the works have a diversion capacity of 8.310 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	04/01 to 11/01	2.68 CFS	469.0 AF

LOCATION OF POINT(S) OF DIVERSION: NWNW , Sec. 33, Township 06S, Range 29E
POWER County

PLACE OF USE: IRRIGATION

<u>TWN RGE SEC</u>	<u>ACRES</u>	<u>ACRES</u>	<u>ACRES</u>	<u>TOTAL</u>
06S 29E 33	NESW 32	NWSW 34	SWSW 34	134
	SESW 34			

Total number of acres irrigated: 134

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 which can actually be beneficially used. The maximum diversion volume may be adjusted to more accurately describe the beneficial use or to implement accepted standards of diversion and use efficiency.
2. This water right is appurtenant to the described place of use.
3. This right is subject to all prior water rights and may be forfeited by five years of non-use.
4. Modifications to or variance from this license must be made within the limits of Section 42-222, Idaho Code, or the applicable Idaho law.
5. 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.

MICROFILMED

MAR 21 1990

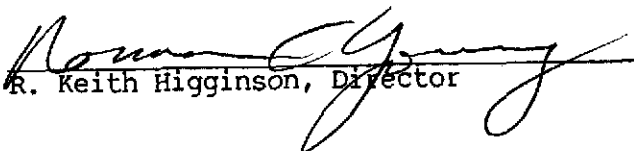
State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 35-07926

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 9th
day of MARCH, 1990.

Acting for


R. Keith Higginson, Director

MICROFILMED

MAR 21 1990

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 Roth Ranches Phone 226-2216

Post office address 761 Hutchinson, American Falls, ID 83221

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

3. Location of point of diversion is NW $\frac{1}{4}$ of NW $\frac{1}{4}$ of Section 33 Township 6S

Range 29E B.M. Power County, additional points of diversion if any: _____

4. Water will be used for the following purposes:

Amount 3.2 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. 3.2 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 (450 HP), 2 boosters, center 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 20 inches; proposed depth of well is 550 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 _____

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: _____

RECEIVED

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	
6S	29E	33									40	40	40	40					160

Total number of acres to be irrigated 160

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

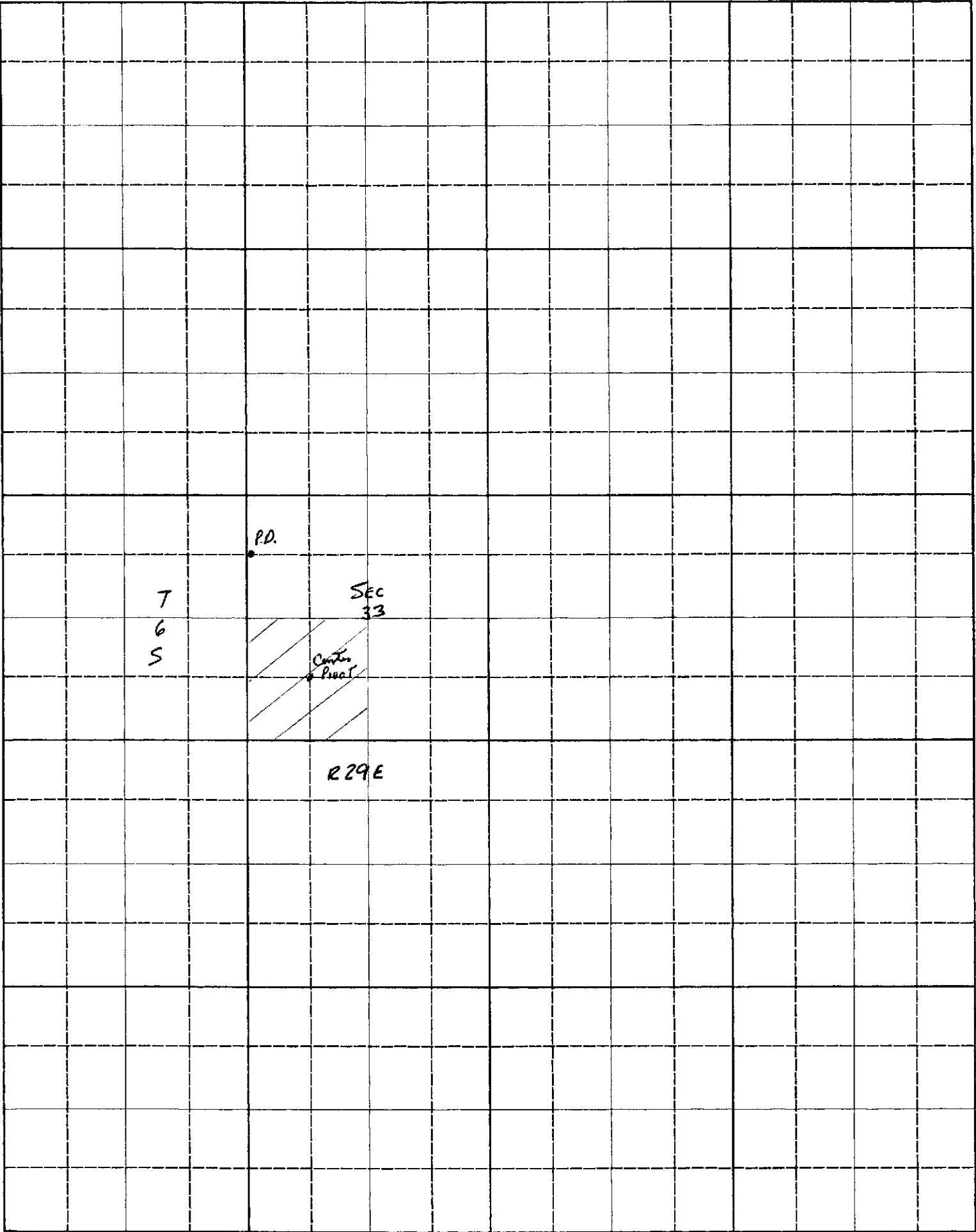
9. a. Who owns the property at the point of diversion Applicant

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

10. Remarks P-35-7825, P-35-7255 same P.D.

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.

Theodore J. Rath
(Applicant)

MICROFILMED

Proposed Priority 11/12/80
Received by kw Date 11/12/80 Time 12:00
Preliminary check by SM Fee \$ 105.00
Receipted by kw Date 11/12/80 # 16078
Publication prepared by kw Date 11/13/80
Published in Power County Press
Publication dates 11/19 11/26
11/20 & 11/27/80
Publication approved kw Date 12/5/80
Protests filed by: None

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

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. 35-7926, 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 December 1, 19 85.
- 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:

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 30th day of December, 1980.

D. Glen Saxton
Chief, Operations Bureau

MICROFILMED

Affidavit of Publication

STATE OF IDAHO }
COUNTY OF POWER } s.s.

.....Brett Crompton..... being first duly sworn
on oath, states:

That he..... is the Manager Editor.....
of the Power County Press, a newspaper of general circulation
in Power County, Idaho, published weekly at American Falls
in said County; that said newspaper has been published in said
County uninterruptedly and continuously for over seventy-
eight consecutive weeks, prior to the first publication of the
annexed notice or advertisement:

That the annexed notice or advertisement was published as
per clipping attached in the regular and entire edition of said
newspaper and not in any supplement thereof for 2.....
successive weekly issues thereof, the date of the first publica-
tion being the 12..... day of Nov....., 19...80
the date of last publication being the
.....26..... day of Nov....., 19...80

(Signed) Brett Crompton.....

Subscribed and sworn to before me this

.....26..... day of Nov....., 19...80

.....Lois Foster.....
Notary Public, residing at American Falls,
Idaho.

My Commission expires the

(SEAL) 1st..... day of April....., 19...81

RECEIVED

DEC 1 1980

Department of Water Resources
Eastern District Office

Legal notice

Published in the Power County
Press Nov. 19, 1980 & Nov. 26,
1980.

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:

OK 35-7926 EMC
ROTH RANCHES
761 HUTCHINSON, AMERICAN
FALLS, ID 83211
Source: GROUNDWATER
Date Filed: 11/12/1980
Amount: 3.20 CFS
Diversion Point: NWNW Sec 33 T
06S R 29E, POWER Co.
Use: IRRIGATION (3.20 CFS)
from 04/01 to 11/01
Place of Use: NBSW NWSW
SWSW SESW Sec 33 T 06S R 29E
FOR 160 ACRES
Diversion Means: WELL, PUMP &
PIPELINES.

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
DECEMBER 8, 1980.

C. STEPHEN ALLRED
Director

March 13, 1990

ROTH RANCHES
761 HUTCHINSON
AMERICAN FALLS, ID 83221

RE: PERMIT NO. 35-07926

Dear Permit Holder(s):

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

Sincerely,

JIM JOHNSON
Water Rights Supervisor

JJ:sc

Enclosure

MICROFILMED
MAR 21 1990

February 8, 1990

ROTH RANCHES
761 HUTCHINSON
AMERICAN FALLS, ID 83221

RE: PERMIT NO. 35-07926

Dear Permit Holder(s):

Enclosed is a draft copy of the license proposed to be issued on the above referenced water right.

This right is currently being reviewed by this office for licensing. The enclosed preliminary copy is subject to change upon further administrative review.

We ask that you review the proposed license and if you do not concur with the information, please let us know within 10 days.

Sincerely,

JIM JOHNSON
Water Rights Supervisor

JJ:sc

Enclosure

MICROFILMED

MAR 21 1990

FROM

Tim

DATE

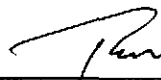
5-19

TO

ROXANNE

SUBJECT

This file has been made exempt from State
Sworn Falls Review. It appears you lost the
file for license review. I am forwarding to you in case
you need to update your list etc. — for filings
needing license review.



SIGNATURE



State of Idaho
DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720 - (208) 327-7900

CECIL D. ANDRUS

GOVERNOR

R. KEITH HIGGINSON

DIRECTOR

May 19, 1989

RE: Permit No. 35-7926

Roth Ranches
761 Hutchinson
American Falls, ID 83221

Dear Mr. Roth:

Enclosed is a refund for the \$20.00 re-advertisement fee which you recently submitted to the Department for the above referenced permit.

Further review of the permit file upon submittal of the fee indicated that the lands had been irrigated prior to July of 1985. Permits developed before this date are not subject to the review required by Section 42-203D, Idaho Code (i.e., Swan Falls processing). As a result, the permit is not required to be re-advertised. The field examination of the permit will soon be reviewed by the state office and a draft license should be issued shortly thereafter.

Thank you for your cooperation on this matter. We apologize for causing any inconvenience.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Tim Luke'.

TIM LUKE
Sr. Water Resource Agent

TL:hm

Enclosure

MICROFILMED

MAR 21 1990

EXPENDITURE VOUCHER

AUDITOR USE

STATE OF IDAHO
 Office of State Auditor

AGENCY USE

5563
Date 05/04/89
Code 193002

VENDOR: If you require additional information regarding this payment, please contact the State agency listed below.

AGENCY NAME: DEPT. OF WATER RESOURCES

Document No. 2150303	
Pre-Audit	Date MAY 10 1989
Warrant No.	

PAY

TO

ROTH RANCHES

RETURN WARRANT TO FISCAL

CHECK ONE:

(☒) MISCELLANEOUS EXPENDITURE

(☐) STATE CONTRACT

(☐) PURCHASE ORDER

(☐) MISCELLANEOUS
 ENCUMBRANCE REQUISITION

PAYMENT: (☐) PARTIAL (☐) FINAL

Encumbrance Reference No.

LINE No.	PROGRAM	FUND	ACCT.		DESCRIPTION	LINE AMOUNT	AGENCY USE
			Maj	Min			
1	06 30 199	1238	8831		REFUND - #05-7926 PER T. LUKE 5/ 1/89	20.00 20.00	

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MAR 21 1990

NOTE: Final payment must be accompanied by a receiving copy

TOTAL

20.00

TO STATE AUDITOR

Request is hereby made that a warrant be authorized and drawn in payment of the item or items described above. I hereby certify that the items described were ordered by proper authority; that they are necessary in the public service, that the items have been received and accounted for, and that the account as stated is correct and just.

AUDITOR'S CERTIFICATE

I hereby certify that the above account is in proper form; that totals carried hereon are correct; that receipts when required by law or regulation of the State Board of Examiners covering items for which reimbursement is asked are submitted herewith; and that there are funds in the state treasury and balances in appropriation accounts out of which the same may be lawfully paid.

Date

Head of Agency or Institution

State Auditor

MEMORANDUM

TO: FILE/PERMIT NO. 35-7926

FROM: TIM LUKE *TL*

RE: SWAN FALLS REVIEW

DATE: 5/1/89

=====

Upon reviewing this file I have determined that the permit does not constitute a trust water use and thus should not be subject to the review of Section 42-203D, Idaho Code.

Permits which were put to beneficial use prior to July 1, 1985 are exempt from Section 42-203D. Proof for this permit was submitted on September 23, 1985. Proof was not due until December 1, 1985. The permittee apparently submitted proof on the former date in response to the Department's September 1, 1985 letter which informed permit holders that their permit would not be subject to review of 42-203D if they submit proof and their project was completed before July of 1985. A field examination of the permit was conducted by the Department in August of 1986.

Based on the facts above the permit should be exempt from any further review under 42-203D and removed from the Swan Falls process list without requesting any additional evidence of development prior to July of 1985. The permit can be reviewed for licensing.

RECEIVED
MAR 21 1990



State of Idaho

DEPARTMENT OF WATER RESOURCES

(208) 327-7900

1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720 - [REDACTED]

CECIL D. ANDRUS

GOVERNOR

R. KEITH HIGGINSON

DIRECTOR

April 6, 1989

RE: PERMIT NO. 35-7926

Dear PERMIT HOLDER:

Due to the Swan Falls litigation, development proposed by the enclosed permit may have been delayed. The Department is presently reviewing the permit and may authorize completion of development proposed under the permit.

The purpose of this letter is to determine: (1) the extent of development under the permit, and (2) your continued interest in developing or completing development under the permit.

Enclosed are two forms which will help the Department expedite the reprocessing of the permit.

Please complete and return the enclosed questionnaire if you wish to continue with your plans of development or have completed all or a portion of your development before July 1, 1985.

Please complete the enclosed relinquishment form and return it to the Department if you have abandoned or have no interest in continuing with your plans for development of the project.

If the entire project was not completed prior to July 1, 1985, and you still wish to proceed with your plans of development, then you must submit a \$20.00 re-advertisement fee to the Department as required by Water Appropriation Rule 4,2,3. and Section 42-221F, Idaho Code.

Failure to return the questionnaire and pay any required re-advertisement fee within thirty (30) days of the date of this letter is cause for the Department to cancel the permit.

MICROFILMED

MAR 21 1990

Page 2

If you have questions concerning the content of this letter or about completing the forms, please contact Tim Luke at the address below or by calling directly at 327-7864. The enclosed forms and all other relative information must be returned within thirty (30) days to:

Idaho Department of Water Resources
Statehouse Mail
Boise, Idaho 83720
Attn: Tim Luke - Water Allocation/Trust Water

Please note that a copy of your permit is enclosed. The permit number is shown on the enclosed questionnaire.

Sincerely,

TIM LUKE
Sr. Water Resource Agent

Enclosures

MICROFILMED

MAR 21 1990

POINT OF DIVERSION OVER

WR-NUMBER	TWP	RNG	SC	TRACT	LT	#SOURCE	#NAME
				1\4 1\4 1\4			
3507926	06S	29E	33	NW	NW	GROUNDWATER	ROTH RANCHES
3507255						GROUNDWATER	ROTH, THEODORE
3507825						GROUNDWATER	ROTH RANCHES

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MAR 21 1990

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Department of Water Resources 7926

Permit No. 35-7824

Phone No. 726-2216

1. Owner: Roth Ranches Phone No. 726-2216
Current Address: 761 Hutchison, American Falls, Idaho
2. Accompanied by: Dennis Roth EXAM. DATE: 8-18-86
Address: _____ Phone No. 726-2772
Relationship to Permit Holder: Son
3. Source: Groundwater tributary to _____

Well/Diversion* No.	Motor Make	HP	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
	Yaskawa	450	807395101	Johnston	NA
Booster	Marathon	150	92073 6/13-1	Cornell	31803
Booster	G.E.	100	MN503039	Cornell	26701

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

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

Well/pump to 2-boosters to 2-center pivots; wheel lines.
The corners are being dry farmed.

well depth $\Rightarrow$ bowl depth $\Rightarrow 475'$ water level $\Rightarrow 466'$

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
NA	—	—	—	—	—	—

7. Measurements ☒ Additional data/computation sheets attached

Used Idaho Power pump efficiency test results.

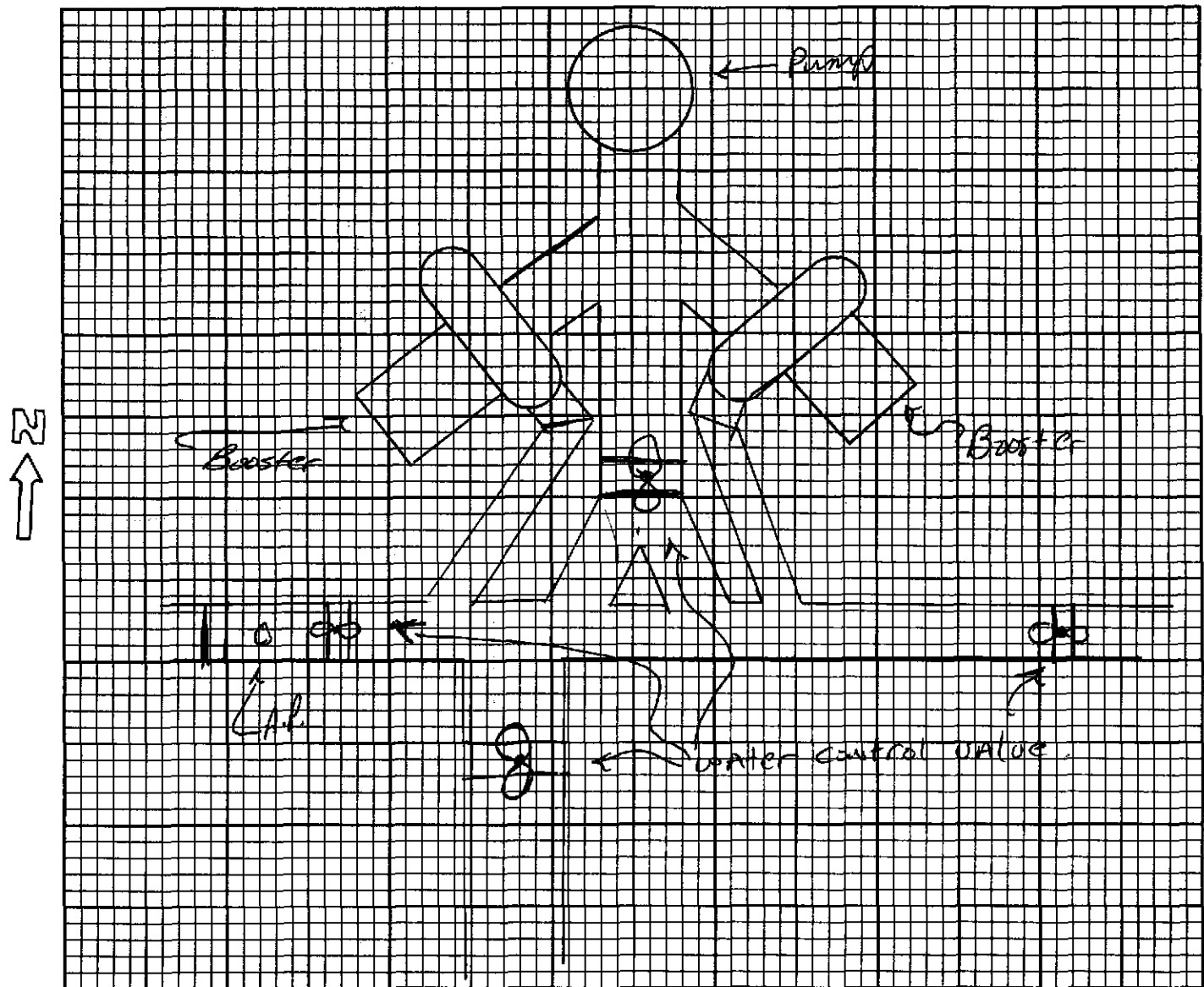
- | 8. Point(s) of Diversion: | Indicate Method of Determination |
|---------------------------|----------------------------------|
|---------------------------|----------------------------------|

[illegible]

9. Place(s) of Use: Irrigation - give acres served by system at time of exam.
Indicate Method of Determination *ASCS Air Photo*

[illegible]

10. Other water rights on these lands NA
11. Other water right diverted from same p.d. ~~11A~~ 35-7255 + 38-7825
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 For photo of P.D. Refer to permit NO. 35-7825.
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 [Signature] Date 8-18-86
- Consultant's License Number _____
- IDWR Director's Authorization to Conduct Beneficial Use Examination _____

Date: **MICROFILMED**

MAR 21 1990

CONSULTANT SEAL

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
LICENSING REPORT

RECEIVED

OCT 9 1986

35-7926
Permit No.

Department of Water Resources

1. Measurement Calculations

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

$$\text{Main Pump Theoretical } Q = \frac{479 \text{ hp} (8.814) (.9)}{-6 \text{ psi} (2.31) + 466'} = 8.40 \text{ c.f.s.}$$

$$100 \text{ hp booster } Q = \frac{93 \text{ hp} (8.814) (.8)}{83 \text{ psi} (2.31) + 0} = 3.42 \text{ c.f.s.}$$

$$150 \text{ hp booster } Q = \frac{133 \text{ hp} (8.814) (.8)}{83 \text{ psi} (2.31) + 0} = 4.89 \text{ c.f.s.}$$

} 8.31 cfs

*Booster calculations added together $\Rightarrow 3.42 \text{ c.f.s.} + 4.89 \text{ c.f.s.} = \underline{8.31 \text{ c.f.s.}}$

83 psi in booster calculation came from an average of 75 psi + 90 psi + 85 psi as shown on Idaho power pump efficiency results. The 69 psi as shown, was not used due to its location.

b) Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = (134)(3.5) = 469.0$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = (2.68)(214)(1.9835) = 1137.0$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = \underline{469.0 \text{ afa}}$$

c) Volume Calculations for Other Uses:

Total acres $\Rightarrow 269 \text{ ac.}$ For both Pivots

Total acres under this permit $\Rightarrow 134 \text{ ac.}$

allow 2.68 cfs for licensing *

2. Overlap Review

a) Other water rights with same place of use: NAb) Other water rights with same point of diversion: 35-7255, 35-7825

c) Analysis:

This right when combined with right no. 35-7255 and 35-7825 shall not exceed 8.31 c.f.s. when utilizing the common p.d. in the NW NW of Sect. 33 T6S R29E

MICROFILMED

MAR 21 1990

446 67 1990

4. Permit Holder: KOTH KANCHES

Source: G.W. tributary to _____

7. Point(s) of Diversion:

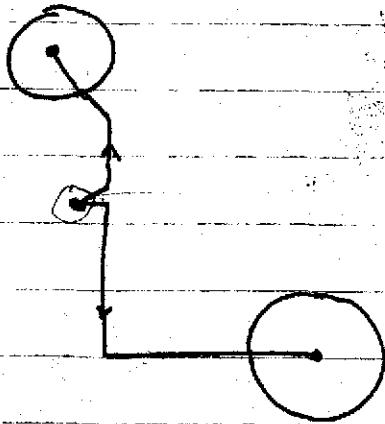
8. Place(s) of Use

9. Recommended Conditions/Remarks: _____

MAR 21 1990

☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other _____

Approved in State Office by _____ Date 5/30/89



MOTOR & PUMP INFO.

FROM 1975 EXAM: 400 HP MOTOR ONLY NO BOOSTERS

Q MEASURED BY MCrometer = 2,100 gal/min = 4.68 cfs

CHECK Q by using H.P. Formula:

$$Q = \frac{8.8(400) \cdot 7}{460 + 60 \text{ psi}(2.31)} \quad \text{ASSUME - WTR USED IN SPRINKLER SYSTEM}$$

$$Q = \frac{2464}{598.6} = 4.11 \text{ cfs} \leftarrow (\text{TOO LOW})$$

change psi to 40

$$Q = \frac{2464}{552.4} = 4.46 \text{ cfs} \leftarrow (\text{TOO LOW})$$

change efficiency to 80%
using 60 psi

$$Q = \frac{2816}{598.6} = 4.70 \leftarrow (\text{almost the same})$$

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MAR 21 1990

2 BOOSTER MOTORS WERE ADDED SINCE THE 1975 EXAM:

1. ESTIMATE Q using H.P. Formula w boosters added

450 HP PUMP MOTOR + 150 HP + 100 HP = 700 HP.

$$Q = \frac{8.8(700) \cdot 7}{598.6} = \frac{4312}{598.6} = \underline{7.2 \text{ cfs}}$$

$$450 + 150 = (600) 8.8.7 = 3696 \quad 5.64 \text{ cts}$$

$$82(3.31) + 466 \quad 655$$

MICROFILMED

MAR 21 1990

029375
3132

37.6

93

2.7

155.8

007-19

M 1290

62N

T47

A-256

John Kugler

3132 A 2784

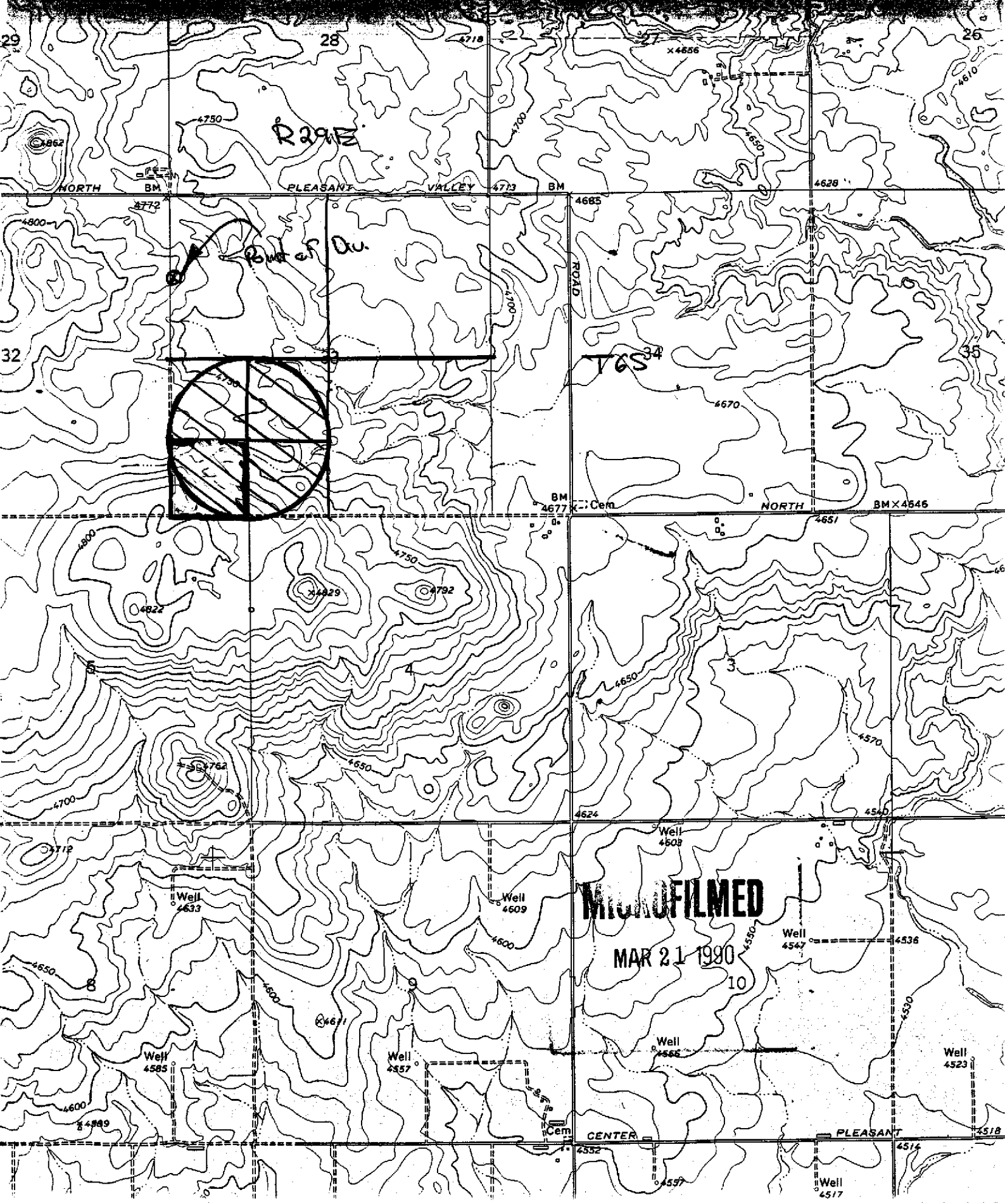
333

1080

Dennis Roth 226-2772

T-65, R-29E

35-7926



35-1926

Snake River



HYDRO POWER

IDAHO POWER COMPANY

BOX 70 • BOISE, IDAHO 83707

PUMP EFFICIENCY TEST RESULTS

District American Falls Date July 22, 1982 Meter Acct.# 4-7458X
 Customer Roth Ranches (Ted Roth) Pump Identification I-35-1
North Pleasant Valley Rd. Aberdeen, ID 450 Hp - 150 Hp - 100 Hp
 Pump Test Team Al Badgley, Mike Vaughn & Bill Berry

Thank you for participating in the pump efficiency test program. Cost effective changes that reduce your costs and require less power from Idaho Power Company at a critical time of the year are expected to result from these measurements.

The results of the efficiency test and your record of the measurements are as follows:

Date of Test June 24, 1982

Pumping Plant Efficiency _____ % - water flow couldn't be measured!

Water Level Measurements:

Ground to well water _____ feet with pump off

Ground to well water 466 feet with pump on

Pressure Measurements:

_____ psi at location of gage _____

_____ psi at location of gage _____

_____ psi at location of gage _____

(TDH) Total Dynamic Head - total of ground to well water and pressure

_____ feet

Flow & Power Measurements _____ gpm at _____ ft TDH at _____ Hp

_____ gpm at _____ ft TDH at _____ Hp

_____ gpm at _____ ft TDH at _____ Hp

Comments and Evaluation of the test result and measurements:

A loose connection was discovered at the line side of the circuit breaker. All the current to one phase was coming through 1 wire instead of the 2 wires. It was not causing measurable problems to the motor. The one wire was operating quite hot.

Water could not be measured with the Collins meter due to lack of a straight pipe run of 10 to 12 diameters.

--- OVER ---

signed

Bill Berry

Agricultural Engineer

MAR 21 1990

After changes are made to increase the pump efficiency or reduce kilowatt hour usage, one free efficiency test will be conducted to assure the customer that savings are occurring.

We measured power & pressures as follows. Distance to water was measured at 466 feet.
450 Hp only operating - 10 sprinkler lines 12 nozzles - 5/32
5 nozzles - 6 gpm FCN's
Balance - 5 gpm FCN's

Power measured 370 KW which would apply about 462 Hp to the pump(2.7% overload).

Power required by the 450 Hp pump at various pressures was measured as follows - (pressure was measured at the discharge of the 450 Hp pump)

<u>PSI</u>	<u>KW</u>	<u>Produced Hp</u>
-6	393	491
0	404.2	505
9	401.9	502
20	399.5	499
40	388.3	485
50	381.9	477
75	367.0	459

Then the 100 Hp booster was started and 10 wheel lines and one pivot were operated. The measurements were as follows: Vavles were adjusted to provide 89 psi to the wheel lines and 92 psi to the pivot.

<u>Pump</u>	<u>Discharge Pressure (psi)</u>	<u>Motor Load (Hp)</u>
450	34	484
100	90	114

598 Hp total by 2 motors

Roth Pump - I-35-1

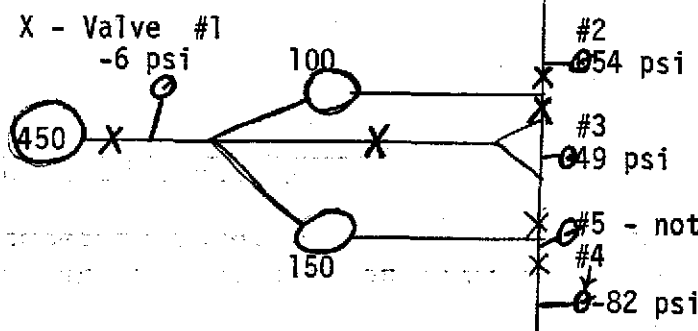
All 3 motors were then operated and power & pressure measurements made as follows:

<u>Pump</u>	<u>Motor Load (Hp)</u>	<u>Discharge Pressure (psi)</u>	<u>Motor Amps @ 472 Volts</u>	<u>Approx. \$ Per Day For Power (1982 prices)</u>
450	491	-6	540	\$260
150	135	?	148	\$70
100	89	?	98	\$45

Total - \$375

The four pressure gages were not positioned to measure pressures at the discharge of the booster pumps.

A 1-line diagram below shows pressures measured.



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MAR 21 1990

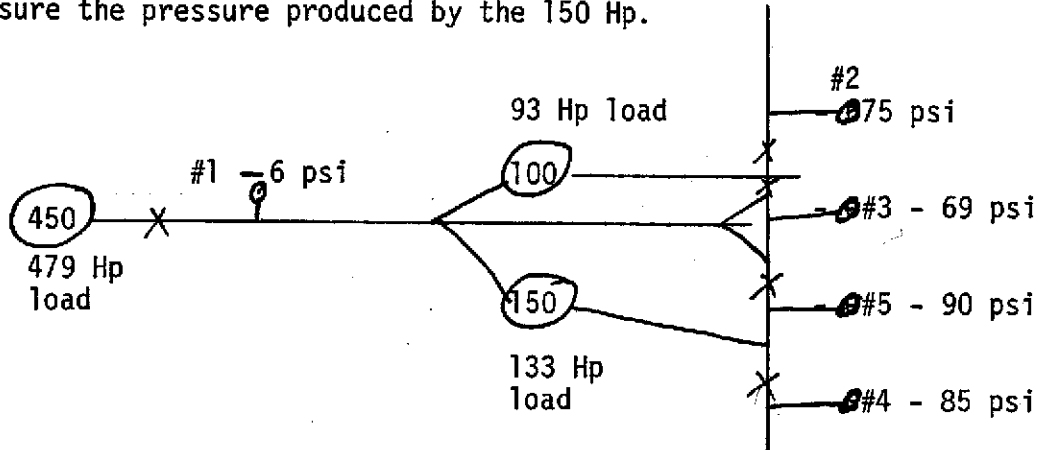
#5 - not installed for this test

--- Continued ---

--- Continued ---

The booster pumps created a negative pressure to the 450 Hp well pump so their capacity slightly exceeds the capacity of the well pump. Booster pumps work best and with the least wear if a slight (1 or 2 psi) positive pressure is maintained to their inlet. The well pump produces more water as the pressure is reduced.

Valves were re-adjusted to produce the following pressures and #5 gage was added to measure the pressure produced by the 150 Hp.



Valves are necessary control devices but they waste power. A reduction of 25 psi with 1000 gpm flow wastes 50 Hp.

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MAR 21 1990

RECEIVED

MAY 7 1986

4/86

Department of Water Resources
STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES
EXAMINATION FEE INFORMATION

For Office Use Only
Fee Received 125.00
Date 5-5-86
Receipt #
Receipt by
Sent to S.

RECEIVED
MAY 5 1986
Department of Water Resources
Eastern District Office

1. Permit No. 35-7926

ONE OF THE FOLLOWING BOXES SHOULD BE MARKED TO DESIGNATE YOUR CHOICE:

☒ I choose to have the department make the field examination of this permit; attached is the examination fee. (If this box is marked, complete items 1 thru 8.)

2. Permit Holder: Roth Ranches

3. Post Office Address: 761- Hutchinson - American Falls Idaho
83211 Telephone No. 208-226-2216

4. Source of Water: Ground water

5. Extent of Use:

Domestic _____ (No. of households) Stockwater _____ (No. and type of stock)

Irrigation 160 (acres) Other/Remark _____

6. Total rate &/or volume for which proof is submitted 3.2 cfs _____ acre-feet

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

1980

8. Person to contact to accompany the department representative during the field examination:

Theodore J. Roth
(Name)

761- Hutchinson, Am Falls Ida 208-226-2216
(Address) (Telephone Number)

☐ I choose to have the field examination conducted by a certified water right examiner. Attached is a statement from the certified examiner I have selected verifying that he has been retained to conduct the examination. (If this box is marked, complete items 1 thru 7.)

5-3-86
Date

Theodore J. Roth, for Roth Ranches
Signature of Permit Holder (and title, if appropriate)

MAR 21 1990

copy retained for file



State of Idaho

DEPARTMENT OF WATER RESOURCES

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

JOHN V. EVANS

Governor

A. KENNETH DUNN

Director

Mailing address:
Storehouse
Boise, Idaho 83720

35-7926
ROTH RANCHES
761 HUTCHINSON
AMERICAN FALLS, ID 83221

138613

April 30, 1986

CERTIFIED MAIL

EXAMINATION FEE NOTICE

Dear Permit Holder:

Department records show that proof of beneficial use has been submitted for the above-referenced permit, but that a field examination has not yet been conducted to determine the extent of beneficial use of the water for licensing purposes.

House Bill 671 (effective April 4, 1986) enacted by the 1986 Idaho Legislature requires the payment of a fee before this department can conduct the field examination needed to issue a license confirming use of water under the permit. This letter is notification that the license examination fee is due within sixty (60) days of the date of this letter. The examination fee information sheet (enclosed) must be returned with the fee.

As an alternative to submitting the fee, the department will accept a field examination report completed by a certified water right examiner from the private sector. If you choose to have the examination done by a certified water right examiner, you need not submit the license examination fee to the department, but you must within sixty (60) days of the date of this letter return to the department, the examination fee information sheet showing appropriate information together with a statement from the certified examiner to verify that you have retained a certified examiner to conduct the field examination. If you choose this alternative, a completed field examination report must be submitted within one year of the date of this letter. You cannot later change your decision to use this alternative and submit the fee needed for the department to conduct the field examination, but you may change to another certified examiner.

Certified water right examiners are licensed engineers, geologists, or land surveyors certified by the department to conduct water right examinations. The procedure for certifying examiners results from the recently enacted HB 671 and is being developed at this time. A listing

of certified water right examiners will be available from this department when examiners have been certified.

If your permitted use, in fact, has already been examined by the department and you have not asked to have the examination repeated, the fee requirement is not applicable to your permit. If you believe this is the case, please contact the department.

The license examination fee is to be based on the amount of water you indicate you have developed, as listed in item 6 on the examination fee information sheet. The amount of water on which the examination fee is based can be less than the permitted amount, if less water has been diverted and beneficially used. The licensed amount of water, however, will not exceed the amount you claim on the examination fee information sheet. The enclosed license examination fee schedule shows a listing of applicable fees.

FAILURE TO SUBMIT WITHIN THE SIXTY (60) DAY PERIOD, THE FEE OR THE STATEMENT THAT A CERTIFIED EXAMINER HAS BEEN RETAINED TO MAKE THE FIELD EXAMINATION, WILL BE CAUSE TO ADVANCE THE PRIORITY OF THE PERMIT ONE DAY FOR EACH DAY THAT THE FEE SUBMITTAL IS LATE.

FAILURE TO SUBMIT THE FEE OR THE COMPLETED FIELD EXAMINATION REPORT WITHIN A YEAR WILL BE CAUSE TO CONSIDER THE PROOF OF BENEFICIAL USE TO BE INCOMPLETE AND TO LAPSE THE PERMIT.

The attached examination fee information sheet and the fee may be submitted to the following department offices.

Northern Region

Idaho Dept. of Water Resources
4055 Government Way
Coeur d'Alene, ID 83814
Phone: 765-4639

Eastern Region

Idaho Dept. of Water Resources
150 Shoup Ave., Suite 15
Idaho Falls, ID 83401
Phone: 525-7161

Southern Region

Idaho Dept. of Water Resources
1041 Blue Lakes Blvd. North
Twin Falls, ID 83301
Phone: 734-3578

Western Region

Idaho Dept. of Water Resources
450 W. State St., (Third Floor)
Boise, ID 83720
Phone: 334-2190

Sincerely,



L. GLEN SAXTON
Chief, Operations Bureau

Enclosures

MICROFILMED

MAR 21 1990

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
Eastern Region

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

FEBRUARY 19, 1986

ROTH RANCHES
761 HUTCHINSON
AMERICAN FALLS ID 83221

RE: Permit No. 35-7926

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,
s/HAROLD W. JONES
Sr. Resource Agent

MICROFILMED

MAR 21 1990

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
PROOF OF BENEFICIAL USE

RECEIVED
SEP 23 1985

Department of Water Resources

The Idaho Department of Water Resources will consider this form as a statement that the permit holder(s) has completed development under this permit and that water has been applied according to the provisions of the permit for the beneficial use(s) described below:

Permit No. 35-7926

Name(s) of Permit Holder: Roth Ranches

Post Office Address: 761 Hutchinson, American Falls, Id 83221

Telephone No. 226-2216

Source of Water: Ground water

Extent of Use:

Domestic _____ (number of households)

Stockwater _____ (number and type of stock)

Irrigation ☒ 160 (acres)

Other/Remarks _____

Indicate the date water was first diverted and beneficially used under this permit: Spr. 1981

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

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

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

Theodore Roth or Dennis Roth

(Name)

Rt. 1. Amer. Falls 83221

(Address)

226-2772

(Telephone Number)

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

9-23-85
Date

Roth Ranch by Theodore Roth
Signature of Permit Holder and Title, if appropriate

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State of Idaho

DEPARTMENT OF WATER RESOURCES

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

JOHN V. EVANS
Governor

A. KENNETH DUNN
Director

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

SEPTEMBER 1, 1985

DEAR PERMIT HOLDER:

ACCORDING TO OUR RECORDS, YOU ARE THE HOLDER OF A WATER PERMIT ON WHICH PROOF OF BENEFICIAL USE OF WATER WAS NOT SUBMITTED BEFORE JULY 1, 1985, WHICH INDICATES YOUR PROJECT IS NOT COMPLETE. THEREFORE, YOU NEED TO BE AWARE OF CHANGES IN IDAHO LAW, EFFECTIVE JULY 1, 1985, WHICH IMPACT ALL WATER PERMITS ISSUED BY THIS DEPARTMENT.

SPECIFICALLY, PURSUANT TO SECTION 42-203D, IDAHO CODE, THE DEPARTMENT MUST REVIEW ALL PERMITS FOR WHICH DEVELOPMENT OF WATER USE WAS NO COMPLETED ON OR BEFORE JULY 1, 1985, TO DETERMINE IF THEY MEET THE NEW REQUIREMENTS OF CHAPTER 2, TITLE 42, IDAHO CODE. RULES AND REGULATIONS GOVERNING THE RE-EVALUATION OF PERMITS ARE NOT YET FINALIZED. HOWEVER, IF YOU COMPLETED THE DEVELOPMENT UNDER YOUR PERMIT BEFORE JULY 1, 1985, YOU SHOULD SUBMIT A PROOF OF BENEFICIAL USE STATEMENT, STATING THAT THE PROJECT WAS COMPLETED BEFORE JULY 1, 1985 SO THAT YOUR PERMIT WILL NOT BE SUBJECT TO THE REVIEW REQUIREMENTS OF SECTION 42-203D, WHICH READS AS FOLLOWS:

42-203D. REVIEW OF PERMITS - OPPORTUNITY FOR HEARING. - (1)THE DEPARTMENT SHALL REVIEW ALL PERMITS ISSUED PRIOR TO THE EFFECTIVE DATE [JULY 1, 1985] OF THIS SECTION, EXCEPT TO THE EXTENT A PERMIT HAS BEEN PUT TO BENEFICIAL USE PRIOR TO JULY 1, 1985, TO DETERMINE WHETHER THEY COMPLY WITH THE PROVISIONS OF CHAPTER 2, TITLE 42, IDAHO CODE. IF THE DEPARTMENT FINDS THAT THE PROPOSED USE DOES NOT SATISFY THE CRITERIA OF CHAPTER 2, TITLE 42, IDAHO CODE, THEN THE DEPARTMENT SHALL EITHER CANCEL THE PERMIT OR IMPOSE THE CONDITIONS REQUIRED TO BRING THE PERMIT INTO COMPLIANCE WITH CHAPTER 2, TITLE 42, IDAHO CODE. IF THE DEPARTMENT FINDS THAT THE PERMIT SATISFIES THE CRITERIA ESTABLISHED IN CHAPTER 2, TITLE 42, IDAHO CODE, THEN THE DEPARTMENT SHALL ENTER AN ORDER CONTINUING THE PERMIT. (2)THE DEPARTMENT SHALL PROVIDE AN OPPORTUNITY FOR HEARING IN ACCORDANCE WITH SECTION 42-1701A, IDAHO CODE, AND SECTIONS 67-5209 THROUGH 67-5215, IDAHO CODE, FOR EACH HOLDER OF A PERMIT THAT IS PROPOSED EITHER TO BE CANCELLED OR MADE SUBJECT TO NEW CONDITIONS.

YOU MAY OBTAIN PROOF OF BENEFICIAL USE FORMS FROM THE DEPARTMENT. IF YOU HAVE ANY QUESTIONS, PLEASE LET US KNOW.

SINCERELY,

L. GLEN SAXTON
CHIEF, OPERATIONS BUREAU

MICROFILMED

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

STATEHOUSE
BOISE, IDAHO 83720
(208) 334-4440

ROTH RANCHES
761 HUTCHINSON
AMERICAN FALLS, ID 83221

JANUARY 08, 1981

RE: PERMIT NO. 35-7926

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

INITIAL REVIEW BY: Steve McCormick

APPLICATION NUMBER: 35 7926

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.

Field check by: _____

Date: _____

Comments: _____

☐ 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.

*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: S.M.

Map No. 65-29E

☐ Yes ☒ No

Other rights on same place of use. _____

☒ Yes ☐ No*

In form for advertising.

☐ Yes ☒ No

Final date for protests: Dec. 8 ✓

Protests received. If yes, record information on 4th page of application.

FINAL REGIONAL PROCESSING REVIEW:

☒ Affidavit of publication received. Date: 12-1-1980 ✓

☒ 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? _____

1142-1980. Date of priority recommended.

Special conditions of approval or cover letter. _____

STAFF OFFICE REVIEW:

By: Ernest Carlson

Date: 12-10-1980.

☐ See attached sheet for more information.

By: Robyn

Date: 12/29/80

Department of Water Resources

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
Eastern Region

150 Shoup Ave.
Idaho Falls, Idaho 83401
(208) 525-7161

NOVEMBER 13, 1980

Power County Press
174 Idaho Street
American Falls, Idaho 83211

Gentlemen:

Enclosed you will find a legal notice which we wish to have published on the dates indicated (once a week for two consecutive weekly issues) in your newspaper. We have allowed ample time for you to submit a galley proof to this office for review before the first publication date. If you cannot publish the notice on the proposed dates, please contact us immediately.

An affidavit of publication must be submitted to the Department along with the publication bill. Your cooperation is appreciated.

Please send the affidavit of publication and publication billings to this office before DECEMBER 8, 1980.

Yours truly,

RONALD D. CARLSON
Supervisor
Eastern Region

Encl.

MICROFILMED

35-7926-

ROTH RANCHES

761 HUTCHINSON, AMERICAN FALLS, ID 83221

Source: GROUNDWATER

Date Filed: 11/12/1980

Amount: 3.20 CFS

Diversion Point: NWNW Sec 33 T 06S R 29E, POWER Co.

Use: IRRIGATION (3.20 CFS) from 04/01 to 11/01

Place of Use: NESW NWSW SWSW SESW Sec 33 T 06S R 29E FOR 160 ACRES

Diversion Means: WELL, PUMP & PIPELINES.

RECEIVED

NOV 18 1980

Department of Water Resources
Eastern District Office

Published in the Power County
Press Nov. 19, 1980 & Nov. 26,
1980.

**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:

35-7926

ROTH RANCHES
761 HUTCHINSON, AMERICAN
FALLS, ID 83211

Source: GROUNDWATER

Date Filed: 11/12/1980

Amount: 3.20 CFS

Diversion Point: NWNW Sec 33 T
06S R 29E, POWER Co.

Use: IRRIGATION (3.20 CFS)
from 04/01 to 11/01

Place of Use: NESW NWSW
SWSW SESW Sec 33 T 06S R 29E
FOR 160 ACRES

Diversion Means: WELL, PUMP &
PIPELINES.

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
DECEMBER 8, 1980.

C. STEPHEN ALLRED
Director

MICROFILMED