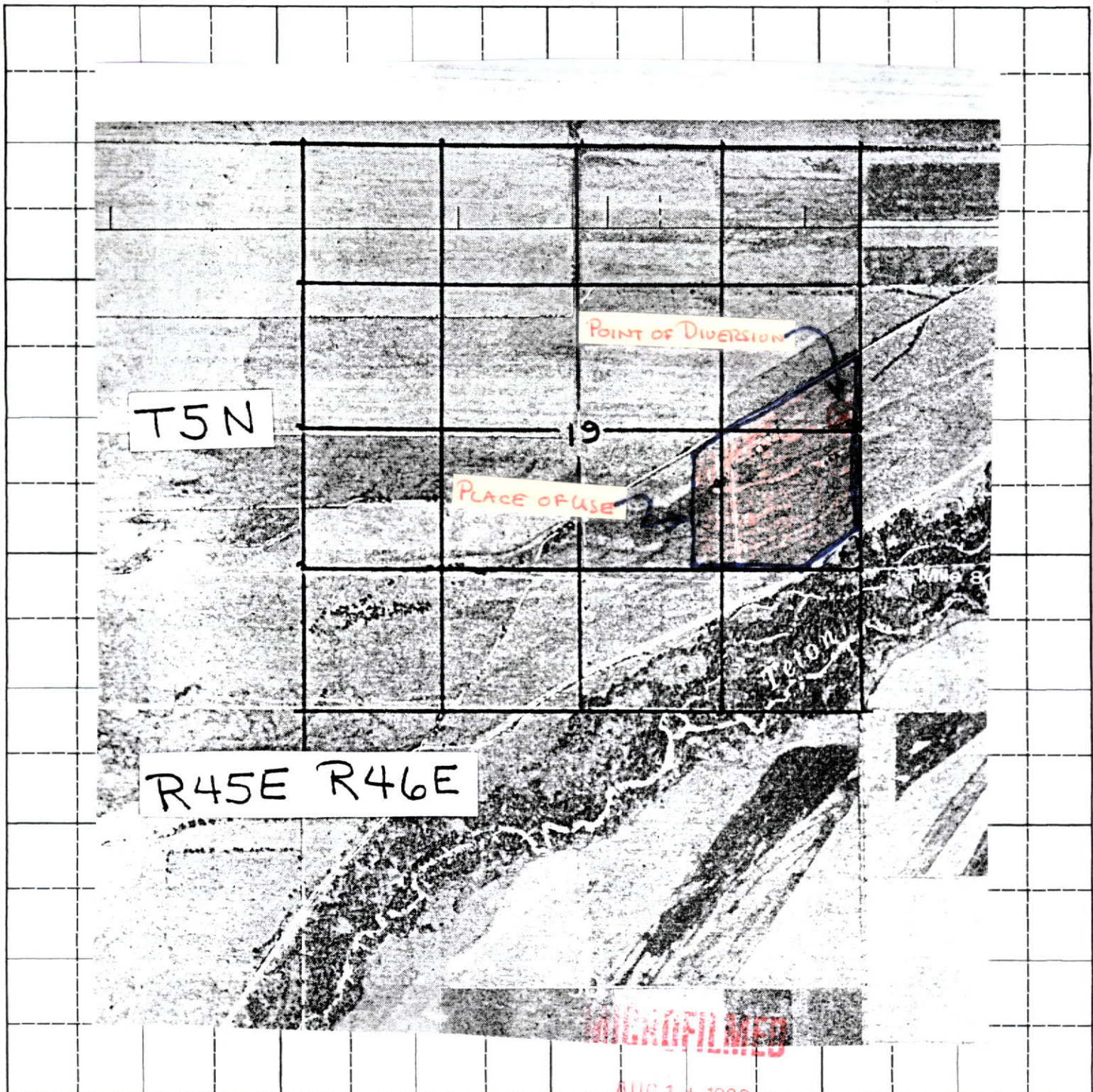


13. Map of proposed project: show clearly the proposed point of diversion, place of use, section number, township and range number.



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.

TARGHEE RANCHES II, LTD
By Richard L. Olson, General Partner
(Applicant)

AFFIDAVIT OF PUBLICATION

State of Idaho)

County of Teton)

I, Nadine Soose being first duly sworn, depose and say that I am the secretary of the Teton Valley News, a newspaper as defined by Idaho Codes Annotated, Section 58-106, as amended, and that said newspaper is a weekly newspaper printed and published at Driggs, in Teton County, Idaho, having a general circulation in said county, and that said newspaper has been printed in said county for more than 78 consecutive weeks prior to the first publication of the attached notice, advertisement, or publication of

Notice of application for Water Rights
And affiant further says that said attached notice, advertisement, or publication, as per clipping attached, was published in said newspaper, in the regular and entire issue thereof, and not in any supplement issue thereof, for two consecutive issues thereof; first publication having been made on the 7th day of June, 1990.

And affiant further says that at the times herein mentioned said newspaper was made up of at least eight pages of at least five columns each, printed from typed matter, of at least sixteen inches deep.

Nadine Soose

State of Idaho)

County of Teton)

On this 19th day of June in the year of 1990 before me, a Notary Public, personally appeared Nadine Soose known or identified to me to be the person whose name subscribed to the within instrument, and being by me first duly sworn, declared that the statements therein are true, and acknowledged to me that he executed the same.

Arde G. Reub
Notary Public for Idaho

Residing at Driggs, Idaho

My commission expires 12-2-91

RECEIVED

JUN 20 1990

Department of Water Resources
Eastern District Office

NOTICE OF APPLICATION FOR WATER RIGHT

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

22-07669

TARGHEE RANCHES II LTD.
C/O RICHARD L. OLSEN
P.O. BOX 1087
POCATELLO, ID 83204

Source: GROUNDWATER

Diversion Pt: SENE Sec 19 T 05N
R 46E
Use: DOMESTIC (.270 CFS)
Total Diversion: (.270 CFS)

Date Filed: 4-3-1990

In: T05N R46E S19 SENE NESE
NWSE

22-07670

DRAKE BROTHERS
C/O ASA J. DRAKE
641 S. 450 W.
VICTOR, ID 83455

Source: GROUNDWATER

Diversion Pt: SENW Sec 5 T 04N
R 45E

Use: IRRIGATION (1.400 CFS)
DOMESTIC (.060 CFS)
Total Diversion: (1.460 CFS)

Date Filed: 5-17-1990

In: T04N R45E S05 SWNW
SENW

70.0 ACRES TOTAL

22-07671

SCHIESS, LYNN
SCHIESS, LYLE
478 W. 675 S.
VICTOR, ID 83455

Source: GROUNDWATER

Diversion Pt: NENESE Sec 7 T
04N R 45E

Use: IRRIGATION (3.200 CFS)
Total Diversion: (3.200 CFS)

Date Filed: 4-26-1990

In: T04N R45E S08 SWNW
SENW NESW NWSW

160.0 ACRES TOTAL

The permit(s) will be subject to all prior water rights. Protests may be submitted based on the criteria of Sec. 42-203A, Idaho Code and/or the new public interest criteria of Sec. 42-203C, Idaho Code. Protests must be filed with the Director, Dept. of Water Resources, 150 Shoup Ave., Suite 15, Idaho Falls, Idaho 83402 on or before JUNE 25, 1990.

R. Keith Higginson, Director

Published in the Teton Valley News June 7 and 14, 1990.

	X-50

R45E

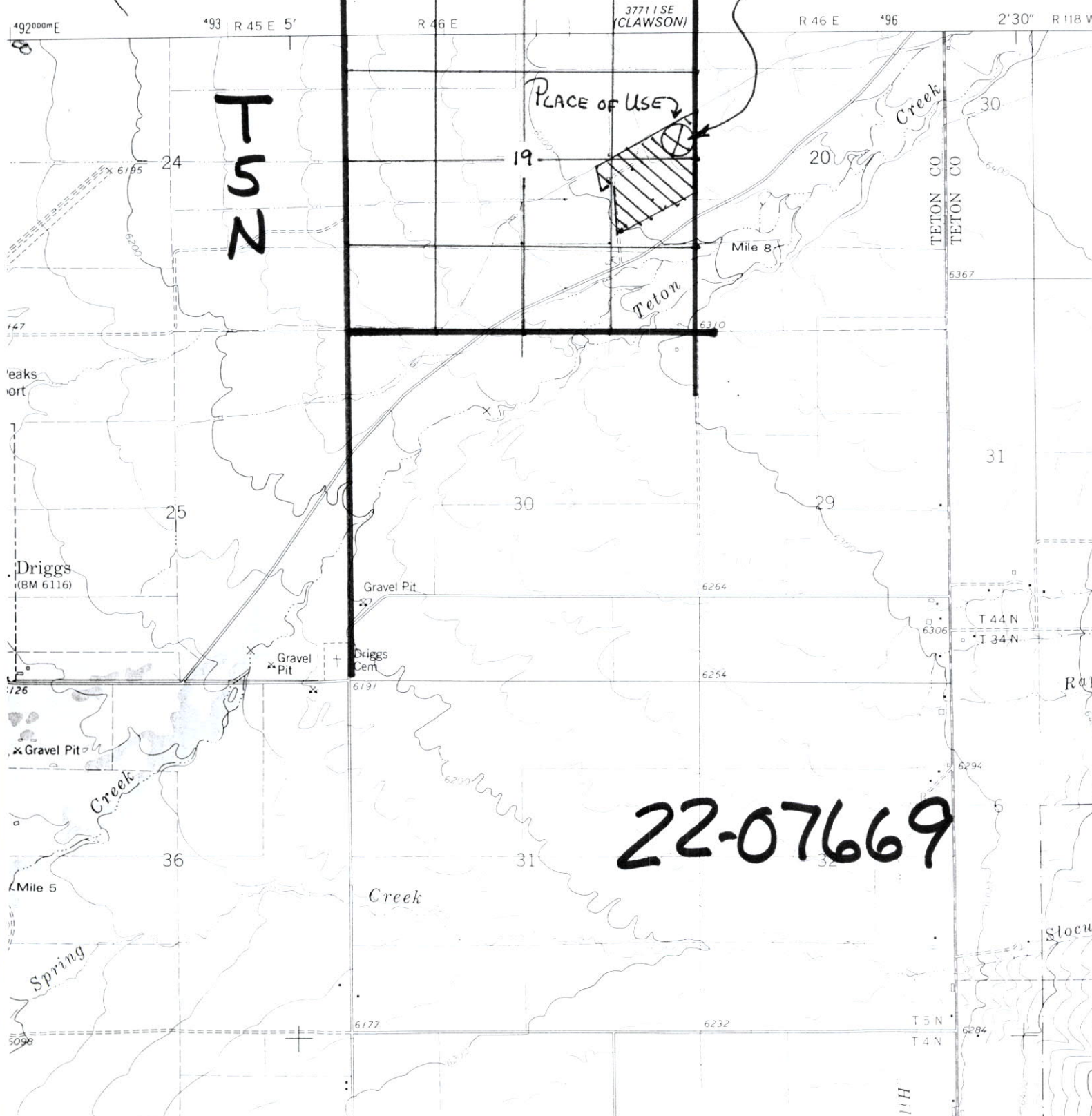
R46E

Handwritten: 0.5/10
1/20/12

POINT OF DIVERSION

T
S
N

PLACE OF USE



22-07669

TARGHEE RANCHES II LTD.

of beginning, containing

NO. 38681, BOOK 73, PAGE 420.

16 LOT NUMBER

16 CURVE NUMBER

day of
proved

Water Line
Hookups

Lot 14 also has a
Private well

Point of
DIVERSION

R46E

T
5
N

Bearings based on the recd
direction of the south line
TARGHEE RANCH SUBDIVI
DIVISION NO. 1.

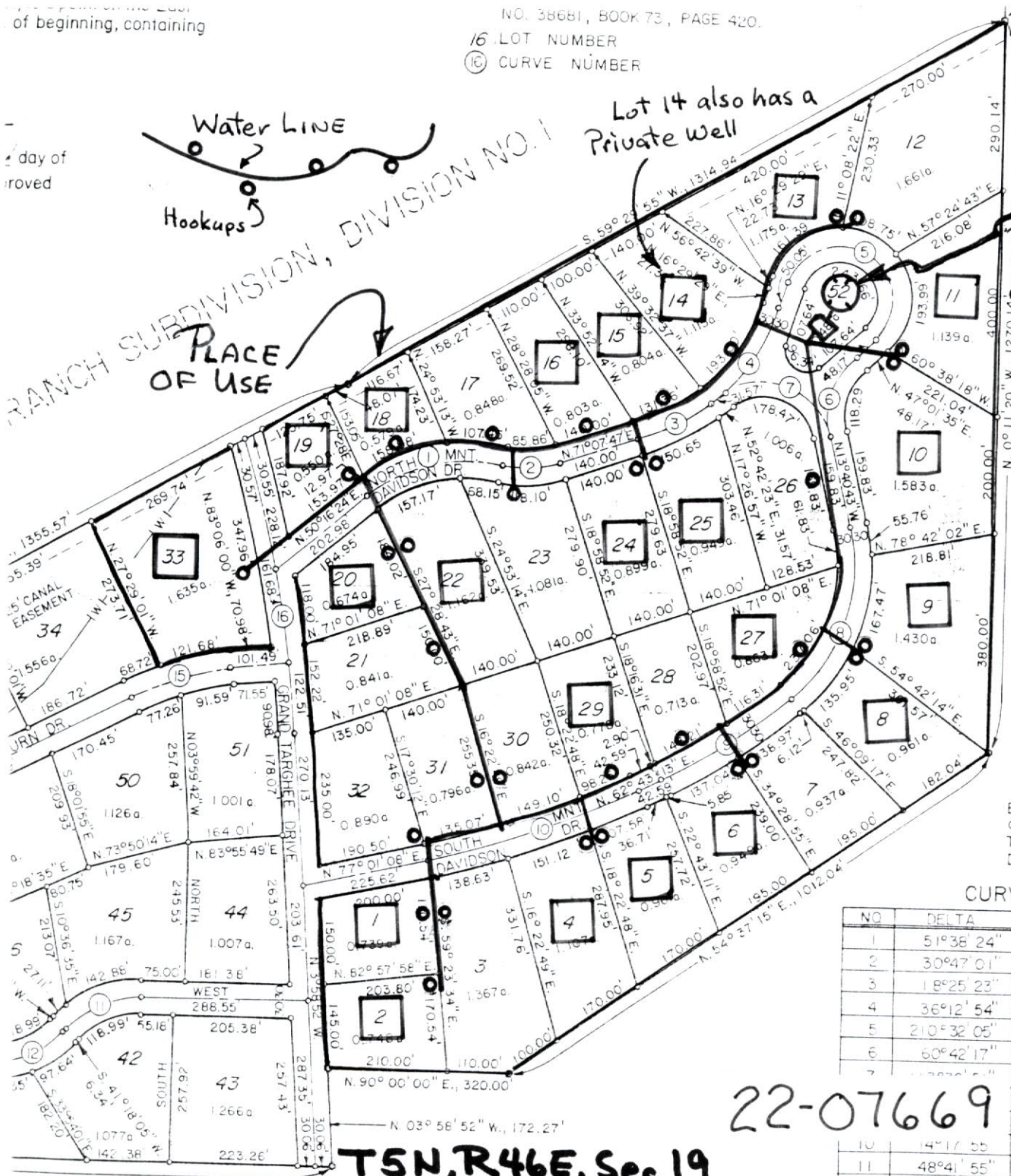
CURVE DATA

NO	DELTA	LENGTH	RADIUS
1	51°38'24"	252.36'	280.00'
2	30°47'01"	101.98'	189.81'
3	18°25'23"	141.00'	438.52'
4	36°12'54"	212.26'	335.82'
5	21°0'32'05"	353.90'	96.31'
6	60°42'17"	150.07'	141.64'
7	10°00'00"	237.95'	120.00'
8	10°00'00"	332.09'	300.00'
9	26°22'00"	269.22'	1188.94'
10	14°17'55"	389.91'	1562.39'
11	48°41'55"	144.49'	170.00'
12	48°41'55"	144.49'	170.00'
13	80°19'02"	140.12'	99.96'
14	72°11'57"	125.61'	99.68'
15	20°35'01"	179.63'	500.00'
16	14°25'31"	512.31'	2034.87'

22-07669

T5N, R46E, Sec 19

SCALE: 1" = 200'



T
5 R46E

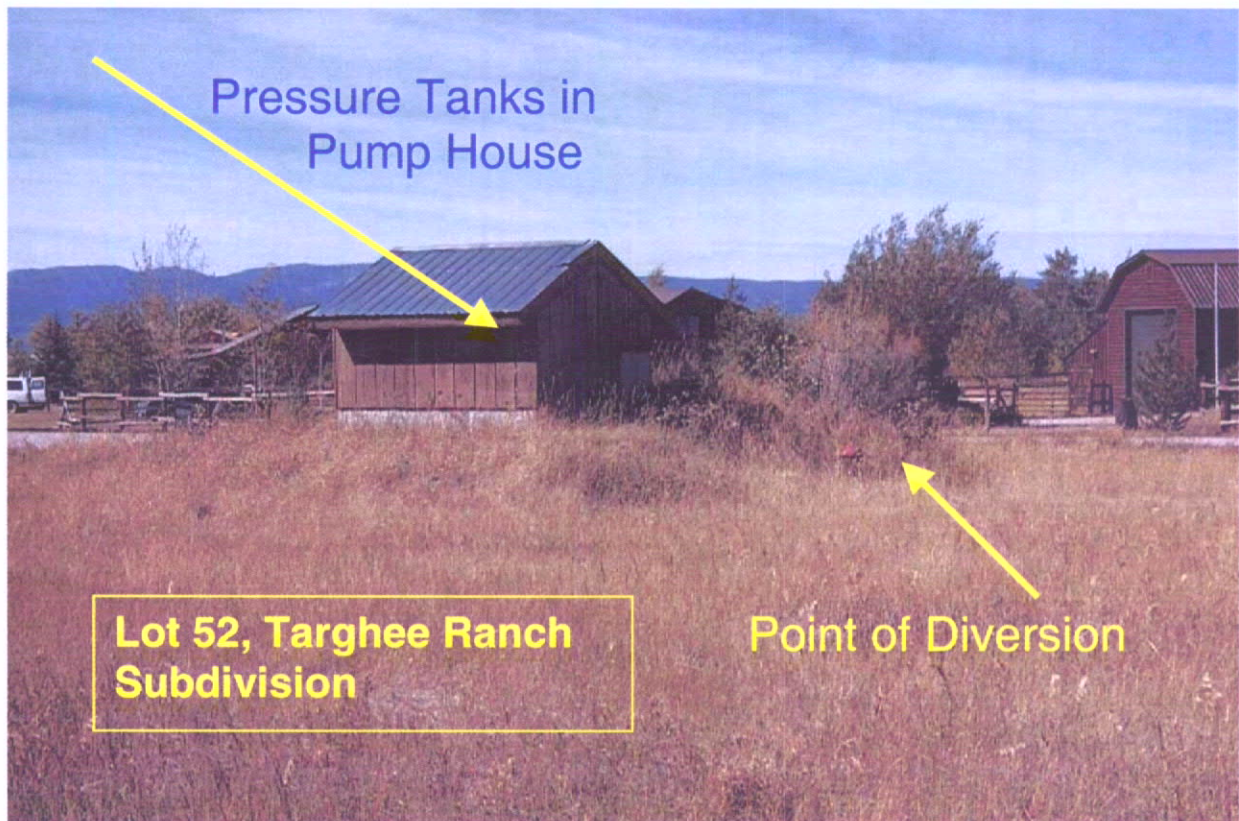
POINT OF DIVERSION

19

PLACE OF
USE

T
5
N R46E

22-07669



Targhee Ranch Subdivision

22-07669

RECEIVED

SEP 29 1993

Department of Water Resources

OFFICE USE ONLY

Amt. of Fee \$ 100.00

Date 9/29/93

Receipt No. 2028677

Receipt by 9/30/93

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

PROOF OF BENEFICIAL USE

The Idaho Department of Water Resources considers this form a statement that the permit holder(s) has/have 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, when necessary, or a completed field examination report prepared by a certified water right examiner who has been appointed by the department.

1. Permit No. 22-07669 Telephone No. 208-232-0900

2. Name(s) of Permit Holder(s): TARGHEE RANCHES II, LTD.

3. Mailing Address: P. O. Box 1087, Pocatello, ID 83204

4. Source of Water: Groundwater

If **GROUNDWATER**, Well Driller's Name: Jack Cushman Drilling Date Drilled: July 1982

OPTIONAL:

Pump horsepower: _____ Pressure (psi): _____ Dynamic pumping level (ft.): _____

5. Extent of Use (as authorized by the permit):

Domestic 33 (No. of households) Stockwater _____ (No. and type of stock)

Irrigation _____ (No. of acres) Other _____

6. Total rate and/or volume for which proof is submitted 0.27 cfs OR _____ acre/feet

7. Refer to the approval conditions on your permit and respond accordingly:

Measuring device: Required? _____ Yes XX No Installed? _____ Yes _____ No

OR

Flow Measurement Port: Required? _____ Yes XX No Installed? _____ Yes _____ No

8. Fee Enclosed: \$ 100.00 (See License Fee Schedule on back of Instruction Sheet)

9. Person to contact to accompany the Department representative during field examination of the water system.

RICHARD L. OLSEN 208-232-0900
Name Telephone No.

P. O. Box 1087, Pocatello, ID 83204
Address

10. 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.

TARGHEE RANCHES II, LTD.

9-25-93
Date

By Richard L. Olsen
Signature (and title, if on behalf of a company or organization)

OCT 18 1993

BEFORE THE DEPARTMENT OF WATER RESOURCES
OF THE STATE OF IDAHO

IN THE MATTER OF PERMIT NO. 22-07669)
IN THE NAME OF TARGHEE RANCHES II LTD) ORDER OF
REINSTATEMENT)

WHEREAS, the Department issued the above-captioned permit with the condition that proof of construction of works and application of water to beneficial use (proof of beneficial use) be submitted on or before August 1, 1993; and,

WHEREAS, the Department notified the permit holder by certified mail that proof was due and instructed the permit holder of the steps to be taken to submit the proof of beneficial use; and,

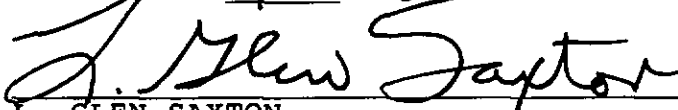
WHEREAS, the Department notified the permit holder that the permit had lapsed for failure to submit the proof of beneficial use; and,

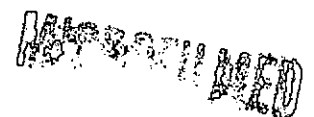
WHEREAS, Section 42-218a of the Idaho Code provides that a permit may be reinstated upon a showing of reasonable cause within sixty days of the date of the notice of lapsing; and,

WHEREAS, the permit holder has provided a reasonable showing why the permit should be reinstated by submitting proof of beneficial use on September 29, 1993;

IT IS, THEREFORE, HEREBY ORDERED that Permit No. 22-07669 be REINSTATED with an advance in priority to June 1, 1990.

Dated this 1st day of October, 1993.


L. GLEN SAXTON
Chief, Water Allocation Bureau


OCT 18 1993

State of Idaho
Department of Water Resources

Permit To Appropriate Water

NO. 22-07669

Proposed Priority: April 3, 1990 Maximum Diversion Rate: 0.27 CFS
This is to certify, that **TARGHEE RANCHES II LTD.**

C/O RICHARD L. OLSEN
P.O. BOX 1087
POCATELLO, ID 83204

has applied for a permit to appropriate water from: **GROUNDWATER**
and a permit is **APPROVED** for development of water as follows:

BENEFICIAL USE

PERIOD OF USE

RATE OF DIVERSION

DOMESTIC

01/01 to 12/31

0.27 CFS

LOCATION OF POINT(S) OF DIVERSION:

SENE Sec. 19, Township 05N, Range 46E
TETON County

PLACE OF USE: DOMESTIC

TWN RGE SEC

05N 46E 19

SENE

NESE

NWSE

CONDITIONS/REMARKS:

1. Proof of construction of works and application of water to beneficial use shall be submitted on or before **August 1, 1993.**
2. Subject to all prior water rights.
3. The right to the use of water acquired under this permit shall not give rise to any right or claim against the holder of a senior right based upon the theories of forfeiture, abandonment, adverse possession, waiver, equitable estoppel, estoppel by laches or customary preference.
4. The Director retains jurisdiction of the permit and any license subsequently issued to incorporate the use into a water district, require streamflow augmentation or other action needed to protect prior surface water and groundwater rights.
5. Permit holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code.
6. 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.
7. The issuance of this permit in no way grants any right-of-way or easement across the land of another.
8. Domestic use is for 33 homes.

MICROFILMED

AUG 14 1990

State of Idaho
Department of Water Resources

Permit To Appropriate Water

NO. 22-07669

This permit is issued pursuant to the provisions of Section 42-204, Idaho Code.
Witness the seal and signature of the Director, affixed at Boise, this

31st day of July, 1990.

for J. New Saylor
R. Keith Higginson, Director

MICROFILMED

AUG 14 1990

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT

To appropriate the public waters of the State of Idaho

1. Name of applicant Targhee Ranches II LTD.
% Richard L. Olsen Phone 232-0900
Post office address P.O. Box 1087 Pocatello, Ia 83204
2. Source of water supply GROUNDWATER which is a tributary of _____
3. Location of point of diversion is _____ 1/4 of SE 1/4 of NE 1/4, Govt. Lot _____
Sec. 19 Township 5N Range 46E B.M. Teton County; additional
points of diversion if any: aka Lot 52 Targhee Ranch Subdivision, Division #2
4. Water will be used for the following purposes:
Amount 0.27 for Domestic purposes from 1/1 to 12/31 (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 is (a) 0.27 and/or (b) _____
cubic feet per second acre feet per annum
6. Proposed diverting works:
a. Description of ditches, flumes, pumps, headgates, etc. Two 6" wells to 33 lots in
Targhee Ranch Subdivision #2

b. Height of storage dam _____ feet; active reservoir capacity _____ acre-feet; total
reservoir capacity _____ acre-feet; period of year when water will be diverted to storage:
_____ to _____ inclusive.
c. Proposed well diameter is 6" inches; proposed depth of well is 205' feet.
EXISTING
d. Is ground water with a temperature of greater than 90°F being sought? _____
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).

AUG 14 1990

8. Description of proposed uses (if irrigation only, go to item 9):

- Hydropower; show total feet of head and proposed capacity in KW. _____
- Stockwatering; list number and kind of livestock. _____
- Municipal; show name of municipality. _____
- Domestic; show number of households. 33 domestic homes
- Other; describe fully. _____

9. Description of place of use:

- If water is for irrigation, indicate acreage in each subdivision in the tabulation below.
- If water is used for other purposes, place a symbol of the use (example: *D* for Domestic) in the corresponding place of use below. See instructions for standard symbols.

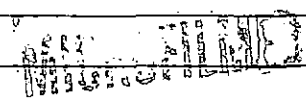
TWP	RANGE	SEC.	NE¼				NW¼				SW¼				SE¼				TOTALS
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
5 N	46 E	19				D									D	D			

Total number of acres to be irrigated _____

10. Describe any other water rights used for the same purposes as described above. _____

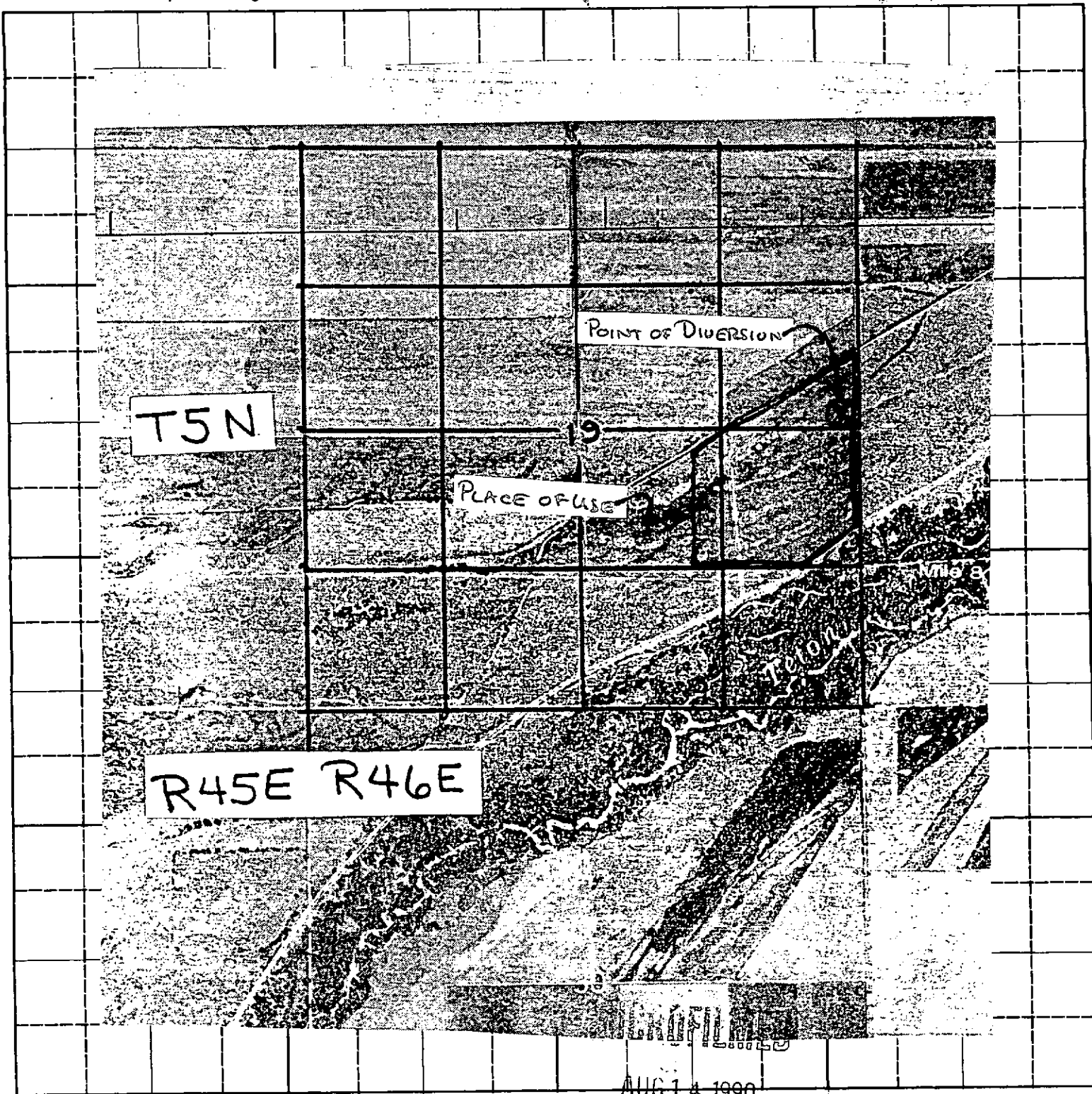
- Who owns the property at the point of diversion? Applicants
- Who owns the land to be irrigated or place of use? Individual landowners
- If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing. Protective covenants provide water service

12. Remarks: Richard L Olsen - managing partner
Leon Wallace Manning
Leon Wilford Manning
Dennis L. Wight



AUG 14 1999

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



AUG 14 1990

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.

TARSHEE RANCHES II, LTD
By Richard L. Olson, General Partner
(Applicant)

Assigned by KWW

Received by OW Date 4-3-90 Time 11:36 A Preliminary check by DMD

Fee \$ 45.00 Received by KWW # E012772 Date 3 April 1990

Publication prepared by AB Date 6-7-14-90 Published in Teton Valley News

Publication approved AB Date 6-26-90

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. _____, and said application is hereby _____.

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 _____, 19 ____.

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. The water right acquired under this permit if 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 permit 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 permit.

e. Other:

RECEIVED
AUG 14 1990

AFFIDAVIT OF PUBLICATION

State of Idaho)

County of Teton)

I, Nadine Loose
Being first duly sworn, depose and say that I am
the secretary of the Teton Valley News,
a newspaper as defined by Idaho Codes An-
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said newspaper is a weekly newspaper printed and
published at Driggs, in Teton County, Idaho,
having a general circulation in said county, and
that said newspaper has been printed in said
county for more than 78 consecutive weeks prior
to the first publication of the attached notice, ad-
vertisement, or publication of

Notice of application
for water rights
And affiant further says that said attached notice,
advertisement, or publication, as per clipping at-
tached, was published in said newspaper, in the
regular and entire issue thereof, and not in any
supplement issue thereof, for two consecutive
issues thereof, first publication having been
made on the 24th day of June,
1990.

And affiant further says that at the times herein
mentioned said newspaper was made up of at
least eight pages of at least five columns each,
printed from typed matter, of at least sixteen in-
ches deep.

Nadine Loose

State of Idaho)

County of Teton)

On this 19th day of June
in the year of 1990 before me, a Notary Public,
personally appeared Nadine Loose
known or identified to me to be the person whose
name subscribed to the within instrument, and
being by me first duly sworn, declared that the
statements therein are true, and acknowledged to
me that he executed the same.

Wanda A. Reish
Notary Public for Idaho

Residing at Driggs Idaho

My commission expires 12-2-91

RECEIVED

JUN 20 1990

Department of Water Resources
Eastern District Office

NOTICE OF APPLICATION
FOR WATER RIGHT

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

22-07669

TARGHEE RANCHES II LTD.
C/O RICHARD L. OLSEN
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Diversion Pt: SENE Sec 19 T 05N
R 46E
Use: DOMESTIC (.270 CFS)
Total Diversion: (.270 CFS)

Date Filed: 4-3-1990

In: T05N R46E S19 SENE NESE
NWSE

22-07670

DRAKE BROTHERS
C/O ASA J. DRAKE
641 S. 450 W.
VICTOR, ID 83455

Source: GROUNDWATER

Diversion Pt: SENW Sec 5 T 04N
R 45E

Use: IRRIGATION (1.400 CFS)
DOMESTIC (.060 CFS)
Total Diversion: (1.460 CFS)

Date Filed: 5-17-1990

In: T04N R45E S05 SWNW
SENW

70.0 ACRES TOTAL

22-07671

SCHIESS, LYNN
SCHIESS, LYLE
478 W. 675 S.
VICTOR, ID 83455

Source: GROUNDWATER

Diversion Pt: NENESE Sec 7 T
04N R 45E

Use: IRRIGATION (3.200 CFS)
Total Diversion: (3.200 CFS)

Date Filed: 4-26-1990

In: T04N R45E S08 SWNW
SENW NESW NWSW

160.0 ACRES TOTAL

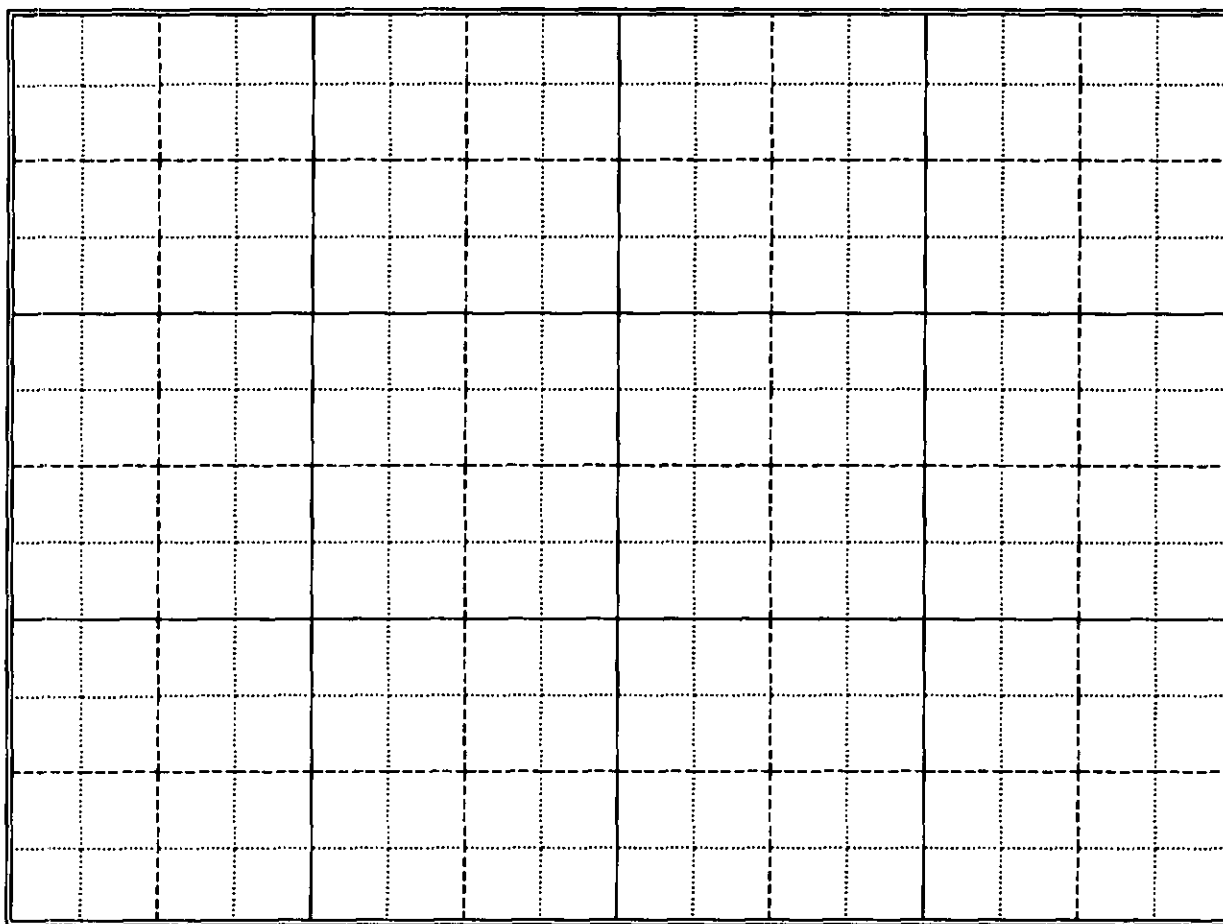
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and/or the new public interest
criteria of Sec. 42-203C, Idaho
Code. Protests must be filed with
the Director, Dept. of Water
Resources, 150 Shoup Ave., Suite
15, Idaho Falls, Idaho 83402 on or
before JUNE 25, 1990.

R. Keith Higginson, Director

Published in the Teton Valley
News June 7 and 14, 1990.

[illegible]

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe I.d. as applicable.



Scale: 1" = _____

____ Copy of USGS 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)

____ Photo of Diversion and System Attached

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
	Jocuzzi	5	35445-11	-	-

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

D. FLOW MEASUREMENTS

1.

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

2. Measurements: Static H₂O @ 33' Theoretical

THEORETICAL PUMP FLOW CALCULATIONS

Formula:

$$Q_{cfs} = [(Hp) (8.814) (Eff)] \div [Lift + (psi \times 2.308)]$$

$$\begin{aligned} Hp &= \text{Horsepower} = \underline{5} \\ Eff &= \text{Efficiency} = \underline{70\%} \quad (\text{Usually } 70\%) \\ \text{Lift: } &(\text{Static Level} + \text{Assumed Draw down}) \\ &\text{Static Water Level} = \underline{33} \text{ ft.} \\ &\text{Assumed Draw down} = + \underline{10} \text{ ft.} \\ &\text{Lift} = \underline{43} \end{aligned}$$

OR

$$\text{Measured Dynamic Water Level} = \underline{\hspace{2cm}} \text{ ft.}$$

$$psi = \text{Operating Pressure} = \underline{30} \text{ psi}$$

$$Q_{cfs} = \left[\frac{5}{Hp} \times 8.814 \times \frac{0.70}{eff} \right] \div \left[\frac{43}{Lift} + \left(\frac{30}{psi} \times 2.308 \right) \right]$$

$$Q_{cfs} = \left[\underline{30.85} \right] \div \left[\underline{112.24} \right]$$

$$Q_{cfs} = \underline{0.27} \text{ cfs}$$

PERMIT NO. 22-07669



SHEPHERD ENGINEERING INC.

Civil/Municipal, Transportation, Industrial
Recreation & Land Development Services

203 South Garfield, Pocatello, Idaho 83204
Phone (208) 233-9793 Fax (208) 233-9806

June 17, 1997

Mr. Richard Olsen
P.O. Box 1087
Pocatello, ID 83204

RE: Targhee Ranch Water System Analysis

Dear Richard:

Shepherd Engineering has completed its analysis on the water system constructed at the Targhee Ranch Subdivision in Driggs, Idaho. Our analysis was done using Cybernet, a computer water model, which provides a detailed analysis of water network pressures, pipe flow rates, hydraulic grades, tank levels and pumping rates. The program uses algorithms based on Hazen Williams and Darcy-Weisbach hydraulic equations, which are engineering standards for water system analysis.

We created the computer model based on the water system mapping and plans that you provided to us. In order to analyze the system, it must be broken down into its most basic elements. These are pipe segments, water usage points, wells, pumps, tanks and other components. A conceptual plan of how the model was developed is attached to this letter for your reference.

Because the water system is not metered, there isn't an accurate record of the individual water usage's in the system, and it is necessary to estimate future demands anticipated for the undeveloped lots. The estimated water usage is the most unknown variable in the water system analysis. There are many references available to estimate usage, and we usually use a combination of multiple sources and comparable values from other communities to generate the anticipated system's usage. It has been our experience that un-metered rural areas in Eastern Idaho typically use more water than the nationally accepted value of 100 gallons per person per day (gpcd). An average daily usage of 225 gpcd was applied to the water model for your subdivision along with four persons per residence. This yields an average daily usage of 900 gallons per day per residence or 0.63 gpm. We can provide additional documentation on this process if you desire.

We applied the usage value to all of the users in the system and analyzed the system for several flow scenarios. Because water usage in residences fluctuates from hour to hour, we have to adjust the average flow rates to account for these variances. Typically, most of the water usage in residential areas occurs during two time periods of the day, between 7 A.M. and 1 P.M. and 5 P.M. and 9 P.M., where usage is typically highest. In order to provide accurate modeling of the water system, we must account for these hourly variations. Federal Housing Administration Guidelines state that the demands in Table 1 should be used when designing a water system:

Table 1. Flow usage scenarios.

Flow Scenario	Usage Factor
Average Day	1.0
Maximum Day	2.0
Peak Hour	6.0

After the model was developed, we began our analysis of the water system under the three scenarios. We would anticipate to experience a range of flows varying from an average of 23 gpm to a maximum of 108 gpm. Table 2 presents a summary of the system analysis results.

Table 2. Model results.

Flow Scenario	System Flow (gpm)	Minimum Pressure (psi)	Maximum Pipeline Velocity (fps)
Normal Day	22.5	80	1.2
Maximum Day	51	80	3.0
Peak Hour	108	26	6.0

It appears, from our analysis, that all of the pipeline components are adequately sized to handle the maximum flows anticipated in the water system while providing adequate pressure to all points in the system. The pipeline velocities under peak flow conditions appear a little excessive, but they should not cause significant problems to the system operation. The pipeline configurations as detailed in the plan appears to meet State requirements detailed in IDAPA section 16.01.08. The flow scenarios also appear to meet these requirements. We did not review the well, well house, or any of those construction plans. A summary of the Cybernet model results are attached to this letter for your review.

Based on the computer modelling, all of the components appear adequately sized for the development (32 lots). We also analyzed the water supply source. It is our opinion that the existing pump in the system is not capable of supporting additional growth and will definitely have to be upgraded as future development occurs in the subdivision. Jack Cushman Drilling conducted a pump test on 5/22/97 to determine the adequacy of the source. The results are attached to this report. The test indicates under peak flow conditions, that the well should be capable of supporting the 100 gallons per minute flow that would be required when the subdivision is fully developed. However, this presumption of well capacity is based on a single test conducted over a 6-hour period. The well production may vary depending on seasonal changes and variations in ground water conditions. A second supply source is a requirement of new community water systems constructed today, and it may be a good idea to investigate the possibility of developing a second supply source for the subdivision. Nevertheless, a new pump and other modifications to the pressure tanks, piping, electrical systems etc... would be required to the system before it could efficiently supply the required flows.

To summarize, after reviewing the pump testing results and the detailed water system modeling results, we feel that the pipeline sizes are adequate for the system. The pump test reveals that the well may be capable of supplying the required flows, but the pump house and other supporting facilities would have to be modified. Any changes to the water system configuration will have to be reviewed by the Idaho Division of Environmental Quality before they are constructed.

If you have questions about our analysis, or require additional clarification on anything, please feel free to visit us or call us at our Pocatello Office.

Sincerely,



Mitchell Greer
Project Engineer

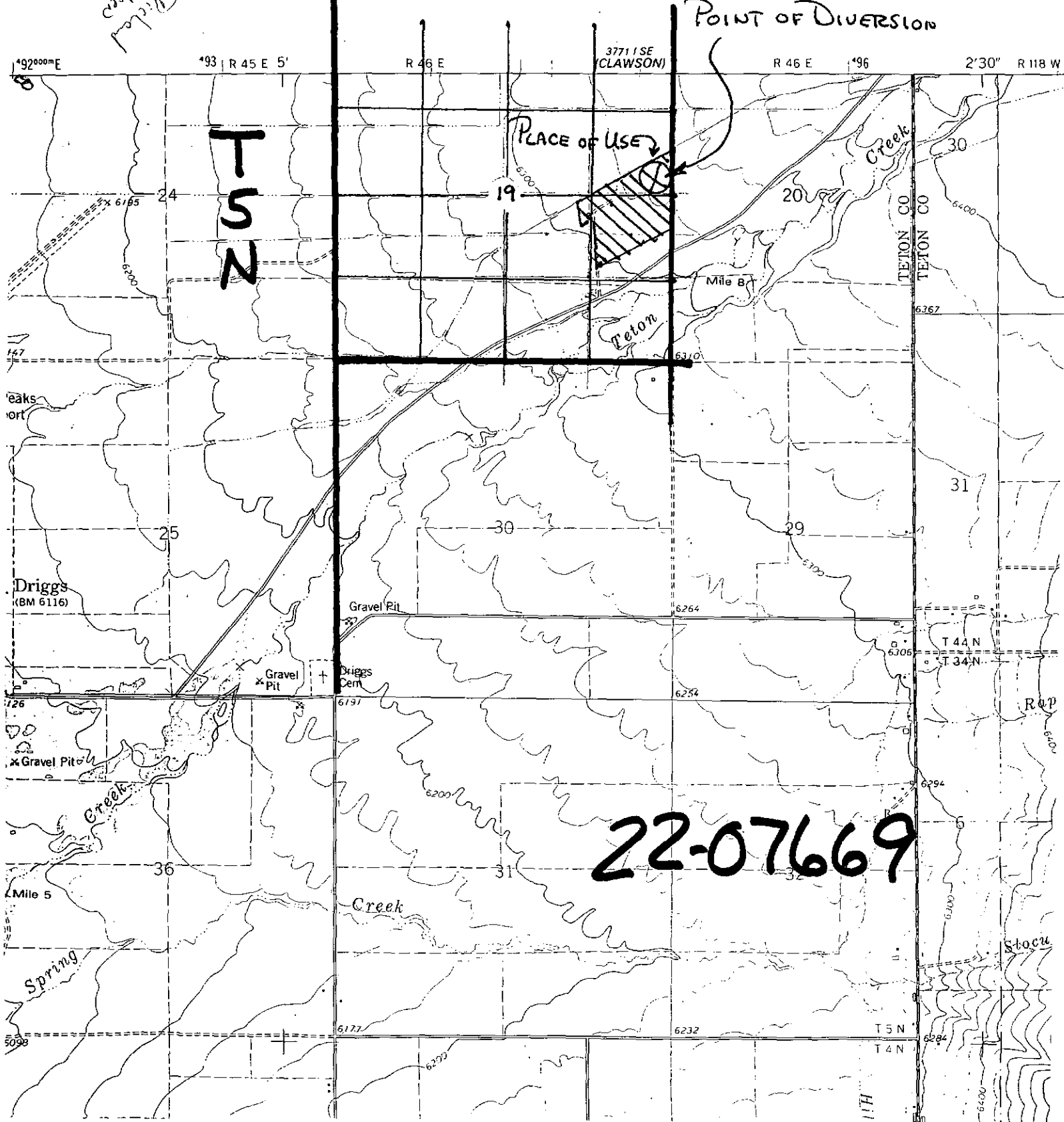
EACH FILE OF IRVINE CA

X-50

R45E

R46E

POINT OF DIVERSION



TARGHEE RANCHES II LTD.

NO. 38681, BOOK 73, PAGE 420.

16 LOT NUMBER

(10) CURVE NUMBER

of beginning, containing

day of
proved

Water Line

Hookups

Lot 14 also has a
Private well

POINT OF
DIVERSION

R46E

T
5
N

Bearings based on the reco-
direction of the south line
TARGHEE RANCH SUBDIVI-
DIVISION NO. 1.

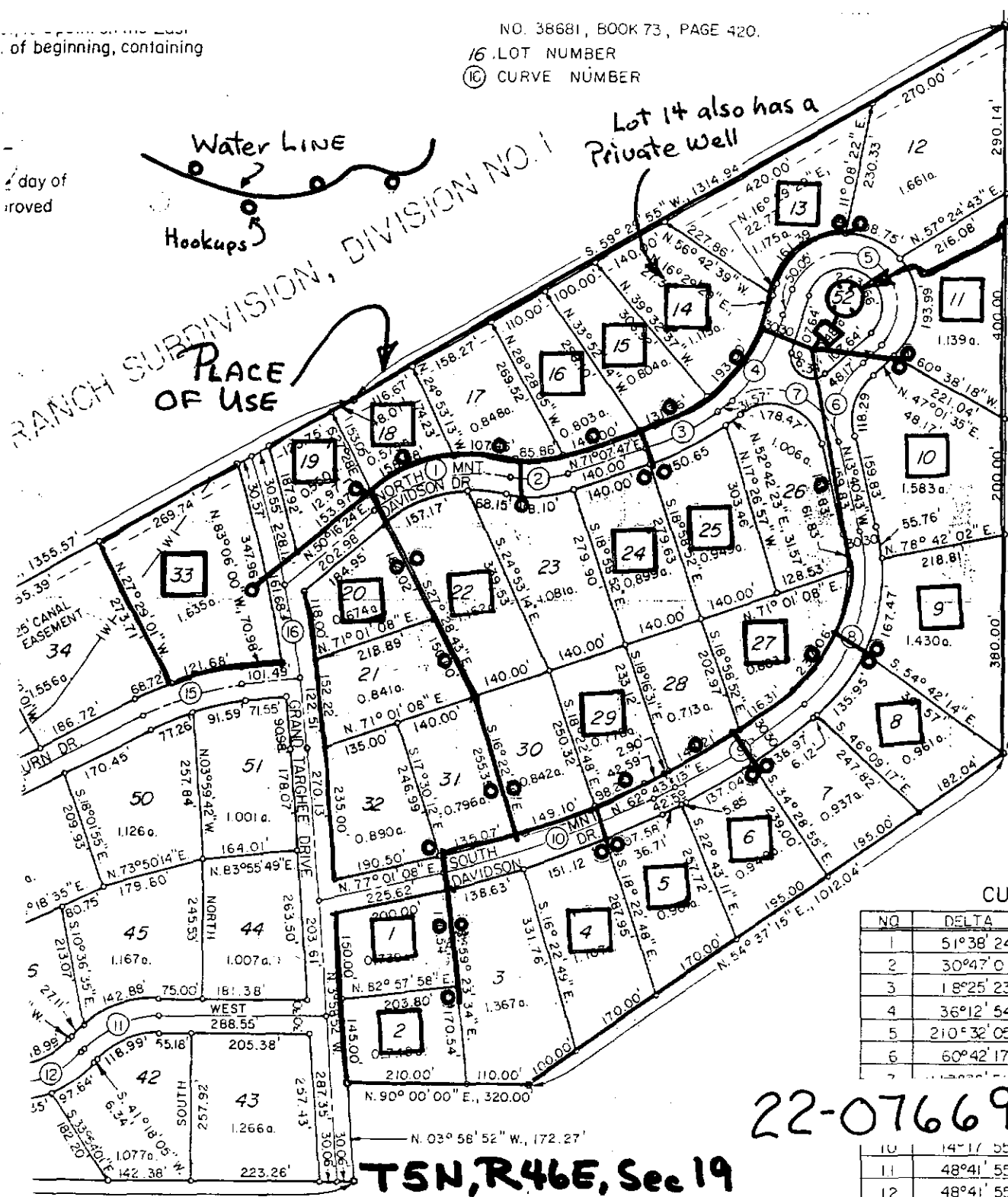
CURVE DATA

NO	DELTA	LENGTH	RADIUS
1	51°38'24"	252.36'	280.00'
2	30°47'01"	101.98'	109.81'
3	18°25'23"	141.00'	438.52'
4	36°12'54"	212.26'	335.82'
5	210°32'05"	353.90'	96.31'
6	60°42'17"	150.07'	141.64'
7	180°00'00"	237.95'	120.00'
8	180°00'00"	332.09'	300.00'
9	180°00'00"	269.22'	1188.94'
10	14°17'55"	389.91'	1562.39'
11	48°41'55"	144.49'	170.00'
12	48°41'55"	144.49'	170.00'
13	80°19'02"	140.12'	99.96'
14	72°11'57"	125.61'	99.68'
15	20°35'01"	179.63'	500.00'
16	14°25'31"	512.31'	2034.83'

22-07669

T5N, R46E, Sec 19

SCALE: 1" = 200'



T
S
R46E

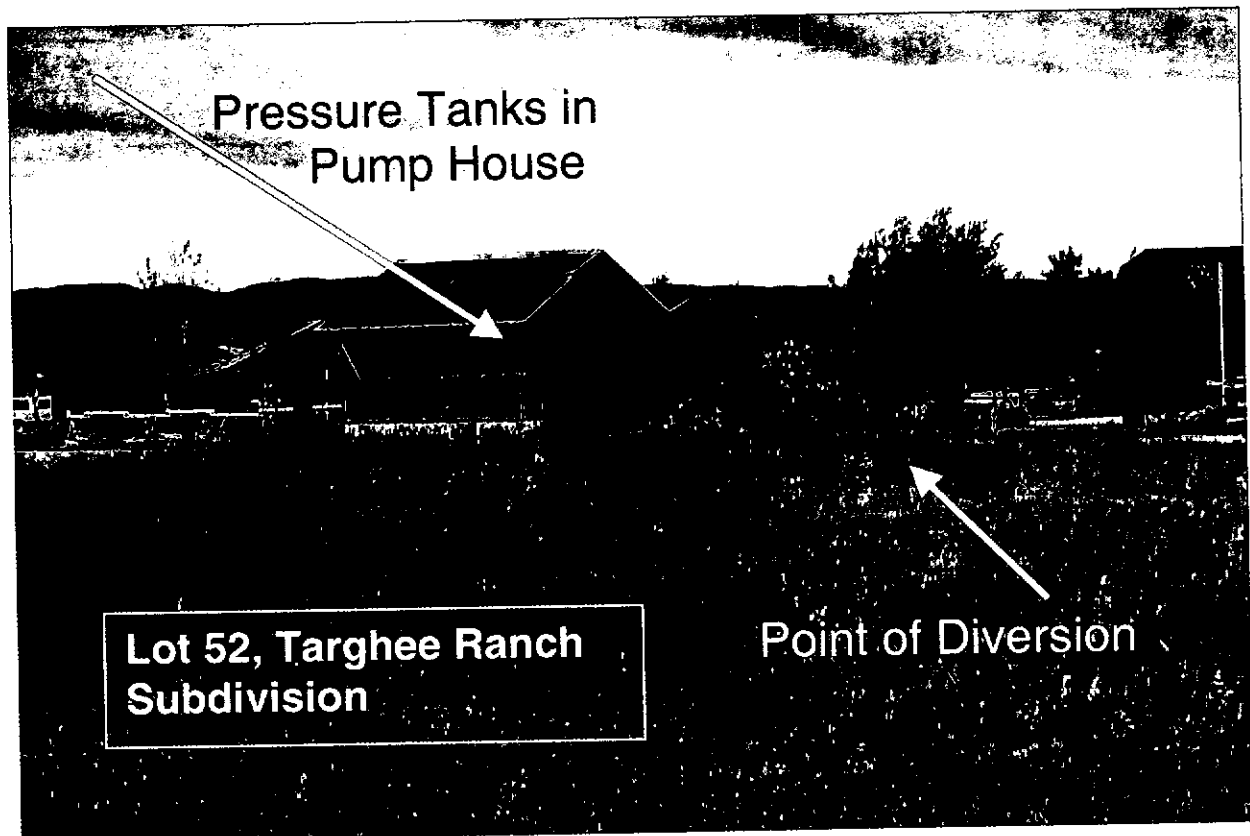
POINT OF DIVERSION

19

PLACE OF
USE

T
S
R46E

22-01609



Targhee Ranch Subdivision

22-07669

E. NARRATIVE/REMARKS/COMMENTS

P/O aka as Lot 52 Targhee Ranch Subdivision Division #2

Targhee Meadows Water users Association (Targhee Ranch #2)

Lots SERVED BY SYSTEM

TARGHEE RANCH SUBDIVISION (DIVISION #2)

Lots 1-33

NOTE Lot 14 also has a private well to irrigate
a total of $\frac{1}{2}$ acre.

Lots occupied @ time of exam (22)

Lots 1, 2, 4-6, 8-11, 13-16, 18-20, 22, 24, 25,
27, 29, 33,

Note: Letter from Shepherd Engineering Inc. flow 23-108 gpm (0.05-0.24 cfs)

Have conditions of permit approval been met? ☒ yes ☐ no

F. FLOW CALCULATIONS☒ Additional Computation Sheets Attached

Measured Method:

$$Q = 0.27 \text{ cfs}$$

LIMITED BY CAPACITY

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \underline{\hspace{2cm}}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = \underline{\hspace{2cm}}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = \underline{\hspace{2cm}}$$

2. Volume Calculations for Other Uses:

$$D_{Vol} = 33 \times 1.2 = 39.6 \text{ afa}$$

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Domestic	1/1	12/31	0.27 cfs	39.6 afa
Totals:			0.27 cfs	39.6 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

I. AUTHENTICATIONField Examiner's Name Keith C. Wilson Date 10/19/2000

Reviewer _____ Date _____

SEAL

October 8, 1993

TARGHEE RANCHES II LTD.
C/O RICHARD L. OLSEN
P.O. BOX 1087
POCATELLO ID 83204

PROOF ACKNOWLEDGMENT LETTER

RE: PERMIT NO. 22-07669

Dear Permit Holder:

The department acknowledges receipt of the proof of beneficial use form submitted for the above referenced permit. Enclosed is an order advancing the priority of the permit since the proof was received after the proof due date. The next step in the process of developing a water right is for the department to conduct a field examination to determine and confirm the use being made of the water.

If you have questions concerning this matter, please feel free to contact the EASTERN Regional Office in Idaho Falls at (208)525-7161.

Sincerely,

Karen L. Gustafson
Secretary/Records Manager

c: IDWR - Region

Enclosure

RECEIVED

OCT 18 1993

ANALYSIS SHEET
FOR
PROOF OF BENEFICIAL USE

Permit No. 22-07669

Reviewed by Klg

Date 9/30/93

GENERAL CONSIDERATIONS

TYPES OF USE

yes Name same as permit?

domestic - 33

yes Address same as permit?

no Proof timely received?

Correct Uses? yes

If not, complete calculation below.

SOURCE OF WATER

 Surface water source

 ✓ Ground water source

NA Drilling permit required?

7/82 / Copy in the file? Drilling Permit No.

/ Amount paid for permit Correct?

 Well log in the file?

LICENSE EXAMINATION FEE

MEASURING DEVICE

yes Required?

NA Required?

100 Amount Submitted

/ Installed?

yes Correct?

 Waiver requested?

PRIORITY CALCULATION

Date proof received 9/29/93 272

Date proof due 8/1/93 - 213

No. of days late = 59

Priority Date 4/3/90 + 93

New Priority Date 6/1/90 152

DEFICIENCIES OR ACTION ITEMS

proof acceptable

needs an order

DATA ENTRY

New Address

Proof Made 9/29/93
10/8/93 Klg

HERITAGE MANAGEMENT & MARKETING

Richard L. Olsen

Phone 232-0900 P. O. Box 1087
POCATELLO, IDAHO 83204

September 25, 1993

RECEIVED

SEP 29 1993

Department of Water Resources

State of Idaho
Department of Water Resources
Statehouse Mail
Boise, ID 83720-9000

Re: Targhee Ranches II, Ltd.
Proof of Beneficial Use

Attn: Mr. L. Glen Saxton
Chief, Water Allocation Bureau

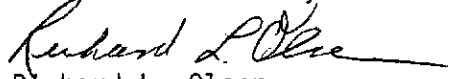
Dear Glen:

The Lapse Notice for the permit for Targhee Ranches II, Ltd. came over your signature, so I am returning the completed Application and the fee to your attention.

Please let me know if there is anything else required to protect our interest in this permit.

Sincerely,

TARGHEE RANCHES II, LTD.


Richard L. Olsen

rlo

Enclosures

OCT 18 1993

August 5, 1993

TARGHEE RANCHES II LTD.
C/O RICHARD L. OLSEN
P.O. BOX 1087
POCATELLO ID 83204

LAPSE NOTICE

RE: PERMIT NO. 22-07669

Dear Permit Holder:

You are hereby notified that under the provisions of Section 42-218A, Idaho Code, the above referenced permit has lapsed and is of no further force nor effect. The department provided the proper forms to you in our proof due notice dated May 31, 1993. No further construction or additional development is authorized under this permit unless it is reinstated.

The permit can only be reinstated if you submit an acceptable proof of beneficial use or an acceptable request for extension of time to the department within sixty (60) days of the mailing of this lapse notice. An acceptable proof of beneficial use submittal must include the examination fee or a completed field examination report. A request for extension of time must be accompanied by a fifteen dollar (\$15) fee.

Enclosed again for your use are a proof of beneficial use form and a request for extension of time form. Please note that only one extension of time can be granted unless the project has not been completed because of lack of a necessary approval by a government agency or by litigation which may bring title to the water in question.

L. GLEN SAXTON
Chief, Water Allocation Bureau

Enclosures

CERTIFICATION OF MAILING

I hereby certify that on 8/5/93
a copy/an original of this document was
deposited in the United States mail,
postage prepaid addressed to the
individual(s) named above.

Klg

RECEIVED

OCT 18 1993

May 31, 1993

TARGHEE RANCHES II LTD.
C/O RICHARD L. OLSEN
P.O. BOX 1087
POCATELLO ID 83204

PROOF DUE NOTICE

RE: PERMIT NO. 22-07669

Dear Permit Holder:

One of the conditions of approval of the above referenced water permit was that proof of the extent of your beneficial use must be submitted to this office on or before August 1, 1993. (See last page of your approved permit or your last approved extension request.) Enclosed is a form which when accompanied by the license examination fee or a complete field examination report prepared by a certified water right examiner may be used to submit the required proof.

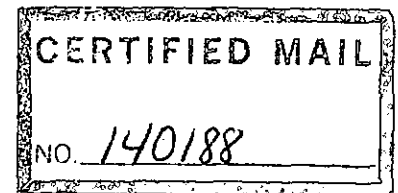
If you have not fully completed your project, and you or a previous owner of this permit have not received a prior extension of time, you may request an extension of time if the delay is for reasonable cause as provided in Section 42-204, Idaho Code. If you have been prevented from proceeding by a governmental agency or by litigation which might bring title to the water in question, more than one extension of time can be granted. An extension of time request form is enclosed for your convenience.

Either an acceptable proof of beneficial use submittal or an acceptable request for an extension of time must be received by this department on or before the above described proof due date. If neither is received, the department will send you a lapse notice. Within sixty (60) days of the mailing of the lapse notice, the permit will no longer be of any force nor effect.

SINCERELY,

Karen L. Gustafson
Secretary/Records Manager

Enclosures



RECEIVED

OCT 18 1993

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

Statehouse
Boise, Idaho 83720
(208) 327-7900
August 1, 1990

TARGHEE RANCHES II LTD.
C/O RICHARD L. OLSEN
P.O. BOX 1087
POCATELLO, ID 83204

PERMIT APPROVAL NOTICE

RE: PERMIT NO. 22-07669

Dear Permit Holder:

Enclosed is a copy of your approved application for permit. We direct your attention to the conditions of approval on the final page.

You should be aware that the groundwater you propose to divert is located within a drainage basin where surface waters are regulated during the months of low flow. It is possible that diversion of groundwater may have an adverse impact on these surface water flows. Information available to us at this time does not warrant refusing to issue permits in your area, but we do caution that diversions of groundwater are not allowed to deplete flows available for surface water users with earlier priority dates. Siting your well as far from surface sources as possible and casing out upper water producing zones may reduce the potential of interference.

Section 42-235, Idaho Code, requires that a "drilling permit" must be obtained from the department for all wells constructed after July 1, 1987. A drilling permit is a separate permit that must be issued in addition to your permit to appropriate water. Commencement of well construction or diversion of water under your permit to appropriate water is prohibited unless a drilling permit is obtained.

Please note the 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

AUG 14 1990

commence construction, no later than one year from the date the permit was approved.

We have enclosed a form entitled "Instructions for Proof of Beneficial Use". Please read the instructions carefully since you must take further action to develop this permit into a license.

Sincerely,

GARY SPACKMAN, Supervisor
Water Right Permits Section

GS: SC
Enclosures

MICROFILMED

AUG 14 1990

Form No. 202a
4/87

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

APPLICATION FOR PERMIT ANALYSIS SHEET

KW

INITIAL REVIEW BY James Dunn DATE 9 April 1990 APPLICATION NUMBER 22-7669
Targhee Ranches II, LTD
REQUIRED INFORMATION

- ☒ Name (If applicant is a corporation or partnership, names must be provided for the director, officers, & other partners.)
- ☒ Address
- ☒ Source (See USGS Quad for names of water sources)
- ☒ Point of Diversion (10 acres for spring, lot & block descriptions for subdivisions, local name, flow and/or volume)
- ☒ County
- ☒ Quantity (flow and/or volume)
- ☒ Period of Use
- ☒ Nature of proposed use (Include description of use.)
- ☒ Description of diverting works
- ☒ Time required for beneficial use of water
- ☒ Place of use or acres irrigated
- ☒ Map
- ☒ Signature (If applicant is corp. partnership, or municipality, title of signator is required)
- ☒ Fee
- ☒ Yes ☐ No* In form to receipt

ADDITIONAL INFORMATION

- ☐ Overlapping place of use (Describe source & relationship to present application on the back.)
- ☐ Overlapping point of diversion
- ☐ Yes ☒ No Field check required
- ☐ Field check by _____
- ☐ Yes ☐ No Field report attached
- ☐ Yes ☐ No Critical groundwater area
- ☐ Yes ☐ No Groundwater management area
- ☐ Yes ☐ No Send dam safety information
- ☐ Yes ☐ No Send power requirement letter
- ☐ Yes ☐ No Send fish farm requirement letter
- ☐ Yes ☐ No Power residency affidavit
- ☐ Yes ☐ No Power efficiency form
- ☐ Yes ☐ No Within trustwater boundary (If yes, attach trust water supplementary analysis sheet.)
- ☐ Yes ☒ No Diversion greater than 5 cfs or 500 acre ft. (If yes, attach large diversion supplementary analysis sheet.)
- ☐ See reverse side for additional information

*REQUEST THE FOLLOWING ADDITIONAL INFORMATION FROM THE APPLICANT

Date Requested

RECEIVED

JUL 12 1990

Department of Water Resources

PROCESSING ☒ Yes ☒ No In form for advertising
☒ Yes ☒ No Statewide advertising
☒ Yes ☒ No Fee amount, receipt date & No. recorded on application

SEND COPIES TO ☒ Idaho Dept. of Health & Welfare ☐ U.S. BLM
☐ Idaho Dept. of Fish & Game ☐ U.S. Forest Service
☐ Idaho Dept. of Lands ☐ Water District
☐ Adjudication Bureau Unit ☐ Other

FINAL REGIONAL PROCESSING REVIEW

☒ Yes ☐ No Affidavit of publication received
☒ Yes ☐ No Application published correctly. If not, record action taken.

☒ Yes ☐ No Publication dates & paper, recorded on application
☒ Yes ☐ No Protests received
Final date for protest 6-25-90
☒ Yes ☐ No Protests, dates, resolution of protest, recorded on application
☒ Yes ☐ No Recommendations attached
☒ Yes ☐ No Measuring device required
☒ Yes ☐ No Access port required
☒ Yes ☐ No Will water be delivered by watermaster? If yes, what Dist. 01-P05
☒ Yes ☐ No Special conditions of approval or cover letter below.

See below for additional information
Date of priority recommended 4-3-1990
By HWT Date 7-5-90

STATE OFFICE REVIEW P05, P23 P17 48 49 46 26 04
By KW See below for additional information
Date 7-24-90

ADDITIONAL INFORMATION

App. in NON-TRUST area -
allow 3 yrs. to complete -

01-Jun-1990

DEPT. OF HEALTH & WELFARE D.E.Q.
150 N. 3rd
POCATELLO, ID 83201

RE: Application for Permit NO. 22-7669, 29-7907,

Dear Sir:

We are enclosing a copy of the applications that may be of interest to your department. Please review the applications and submit any comments you may have to our Department as soon as possible. The last date of protest is JUNE 25, 1990, and we are required to take final action shortly thereafter.

If we may be of further assistance, please feel free to contact us.

Respectfully submitted,

HAROLD W. JONES
Water Rights Supervisor

HWJ/rb
enc.

MICROFILMED

AUG 14 1990

23-May-1990

Richard L. Olsen
P.O. Box 1087
Pocatello, ID 83204

RE: Application for Permit No. 22-7669

Dear Water Right Applicant:

The Department of Water Resources acknowledges receipt of your water right permit. This office is currently in the process of advertising the application in the TETON VALLEY NEWS on June 7 & 14, 1990. The advertisement will be published for two consecutive weeks, and a period of ten days following the second publication will be allowed for the submittal of protests.

If the application is protested, you will be sent a copy of the protest. The protest must be resolved before the application is approved or denied. If the protest is not resolved voluntarily, this Department will conduct a conference and/or hearing on the matter.

If the application is not protested, it will be forwarded to our state office in about five weeks. State office personnel will conduct a complete review prior to final processing of the application and will notify you of the outcome of this review. When a permit is issued, you will be sent a copy. A typical processing time for an unprotested application is about eight weeks.

Please feel free to contact this office if you have any questions regarding this procedure.

Sincerely,

HAROLD W. JONES
Water Rights Supervisor

HWJ/rb

MICROFILMED

AUG 14 1990

22-07669

TARGHEE RANCHES II LTD.
C/O RICHARD L. OLSEN
P.O. BOX 1087
POCATELLO, ID 83204

Source: GROUNDWATER

Diversion Pt: SENE Sec 19 T 05N R 46E

Use: DOMESTIC (.270 CFS)
Total Diversion: (.270 CFS)

Date Filed: 4/ 3/ 1990

In: T05N R46E S19 SENE NESE NWSE

RECORDED

AUG 14 1990