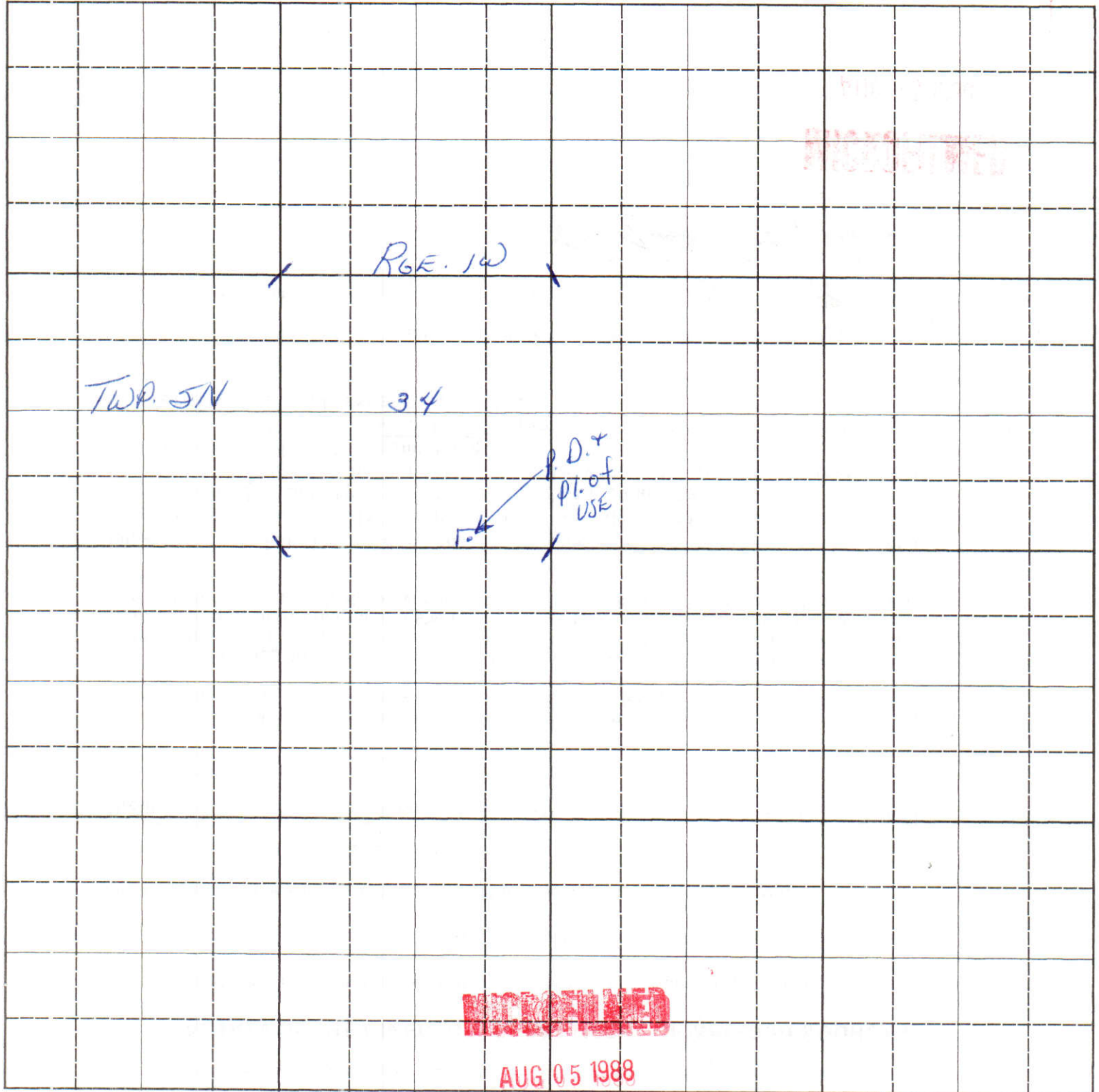


AUG 05 1988

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.

Susan M. Bell *Kris E. Bell*
Susan M. Bell (Applicant) Kris E. Bell

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED
MAY 05 1991

Department of Water Resources

A. GENERAL INFORMATION

1. Owner: Rita E. & Susan M Bell
Current Address: 7010 Beacon Light Rd, Eagle, Idaho
2. Accompanied by: Rita Bell
Address: _____
Relationship to Permit Holder: Owner
3. Source: groundwater tributary to _____

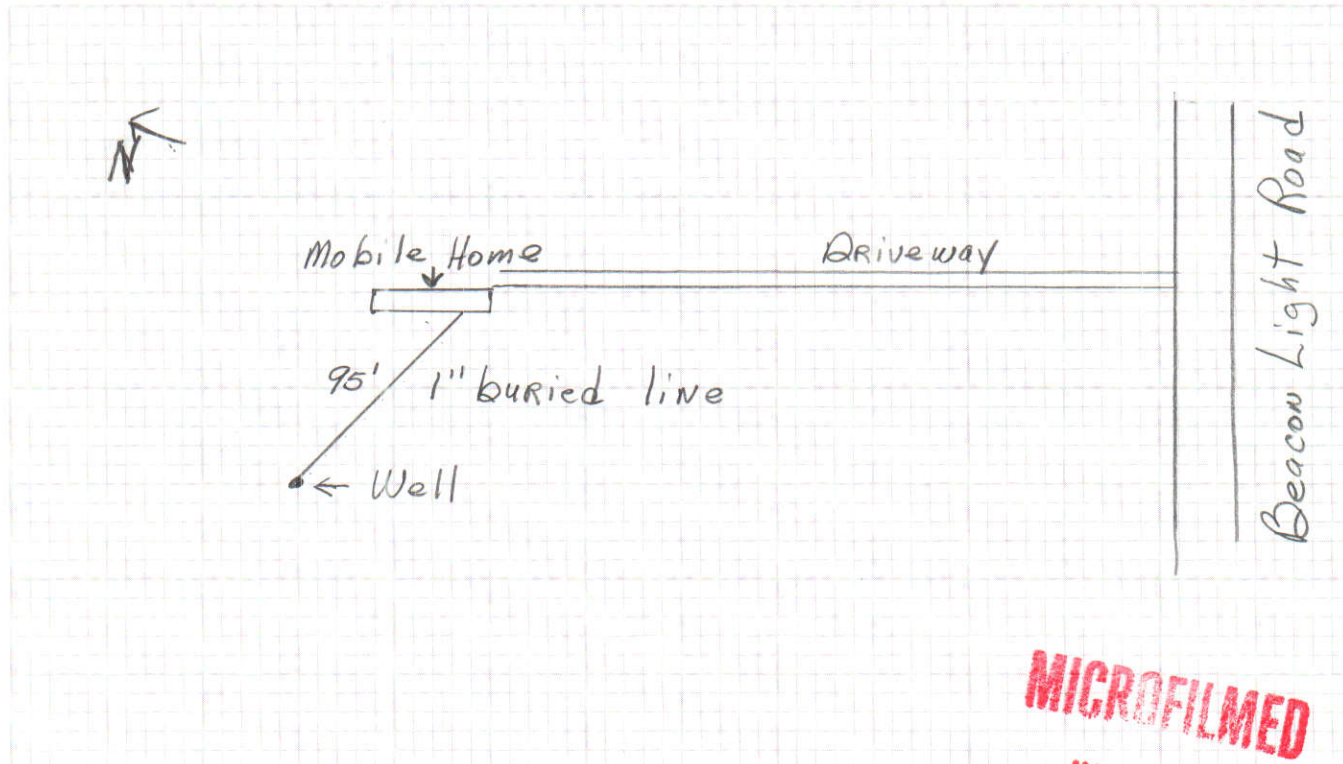
Permit No. 63-10542
Phone No. 286-7936
EXAM. DATE: 6-26-90
Phone No. _____

B. OVERLAP REVIEW

1. Other water rights with same place of use: 63-4965, 63-8525
_____ ☒ Copies Attached
2. Other water rights with same point of diversion: 63-8525
_____ ☒ Copies Attached ☐ Copies of Field Exam's Attached

C. SYSTEM DESCRIPTION

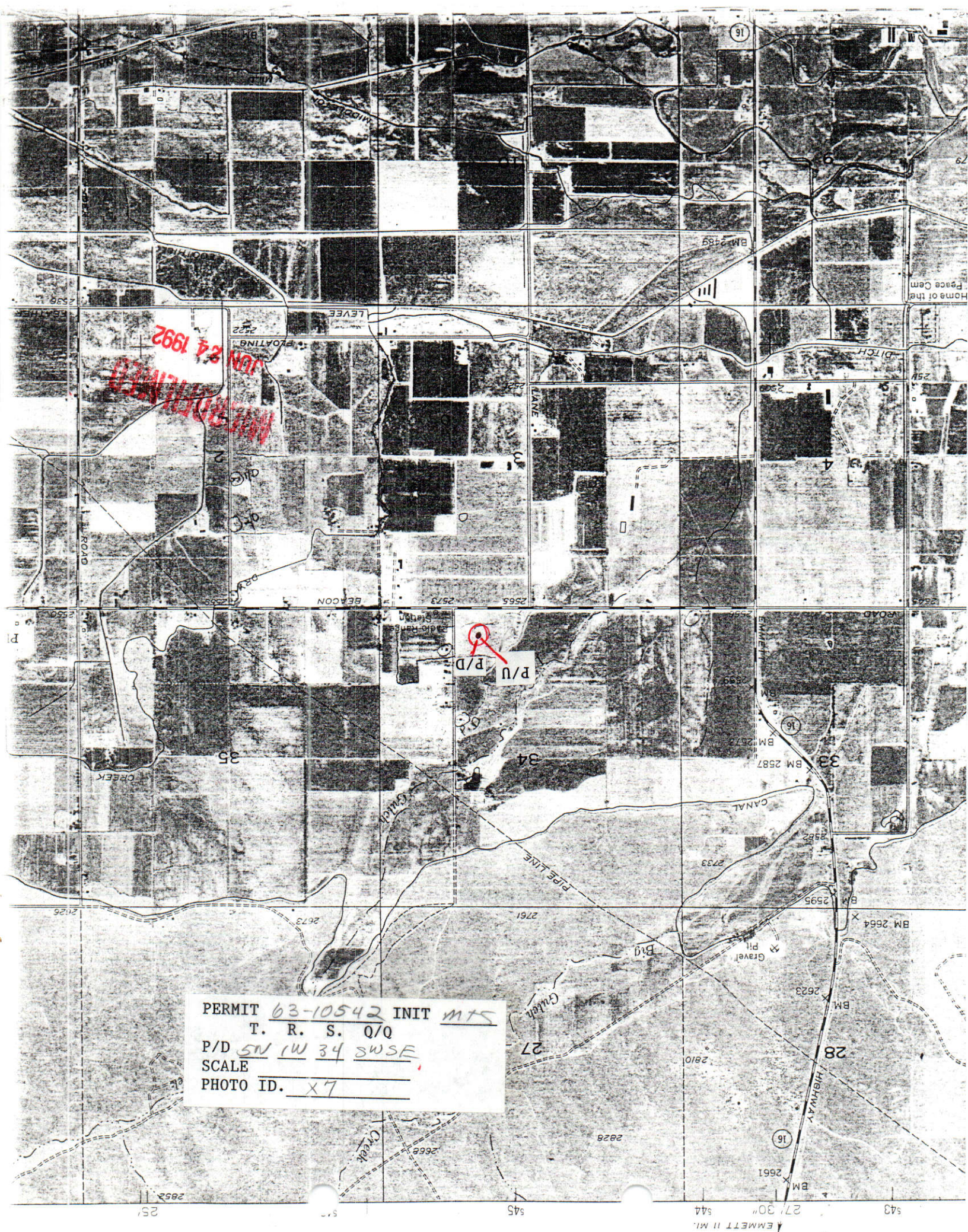
1. **Diversion System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable. ☐ Alternative diagram attached



Scale: 1" = 100'

MICROFILMED
JUN 24 1992

2. ☒ Copy of U.S.G.S. Quadrangle Attached
Showing location(s) of point(s) of diversion and
place(s) of use (required). ☐ Aerial Photo Attached
(required for irrigation of 10 acres or more).
☒ Photo of Diversion and System Attached
(required for all but single household domestic groundwater, and stockwater).



63-10542



Picture #1

Wellhead and pressure
tank as seen from
doorway of well house



Picture #2

Place of use -
one domestic
household.

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JUN 24 1982

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 63-10542

Priority: September 30, 1987

Maximum Diversion Rate:

0.02 CFS

Maximum Diversion Volume:

0.6 AF

This is to certify, that SUSAN M BELL
KRIS E BELL

PO BOX 1135

EAGLE ID 836160000

has complied with the terms and conditions of the permit, issued pursuant to Application for Permit dated September 30, 1987; and has submitted Proof of Beneficial Use on December 15, 1989. An examination indicates that the works have a diversion capacity of .110 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>
DOMESTIC	01/01 to 12/31	0.02 CFS	0.6 AF

LOCATION OF POINT(S) OF DIVERSION: SWSE , Sec. 34, Township 05N, Range 01W
ADA County

PLACE OF USE: DOMESTIC
TWN RGE SEC

05N 01W 34 SWSE

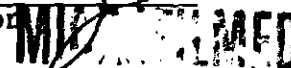
CONDITIONS/REMARKS:

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. Domestic use is for 1 home.

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 19TH day of JUNE, 1992.

Acting for


R. Keith Higginson, Director



JUN 24 1992

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT

To appropriate the public waters of the State of Idaho

APPROVED

1. Name of applicant Susan M. and Kris E. Bell Phone 323-0610

Post office address 11436 Ustick, Boise, Idaho 83704

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

3. Location of point of diversion is _____ 1/4 of SW 1/4 of SE 1/4, Govt. Lot _____

Sec. 34 Township 5N Range 1W B.M. Ada County; additional

points of diversion if any: _____

4. Water will be used for the following purposes:

Allow 0.10 cfs DRT 12/2/1987

Amount .18 for Irrigation purposes from May 1 to Oct 1 (both dates inclusive)
(cfs or acre-feet per annum)

Amount .02 for Domestic purposes from Jan 1 to Dec 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)

Allow 0.12 cfs DRT 12/2/1987

5. Total quantity to be appropriated is (a) .20 and/or (b) _____
cubic feet per second acre feet per annum

6. Proposed diverting works:

a. Description of ditches, flumes, pumps, headgates, etc. Well with pump and pipeline to place
of use.

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 150 feet.

d. Is ground water with a temperature of greater than 90°F being sought? NO

7. Time required for the completion of the works and application of the water to the proposed benefit use is
2 year years (minimum 1 year).

RECORDED

AUG 05 1986

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

- a. Hydropower; show total feet of head and proposed capacity in KW. _____
- b. Stockwatering; list number and kind of livestock. _____
- c. Municipal; show name of municipality. _____
- d. Domestic; show number of households. one
- e. Other; describe fully. _____

9. Description of place of use:

- a. If water is for irrigation, indicate acreage in each subdivision in the tabulation below.
- b. 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	
5N	1W	34															4.5		4.5
																	D		

Total number of acres to be irrigated 4.5

10. Describe any other water rights used for the same purposes as described above. None

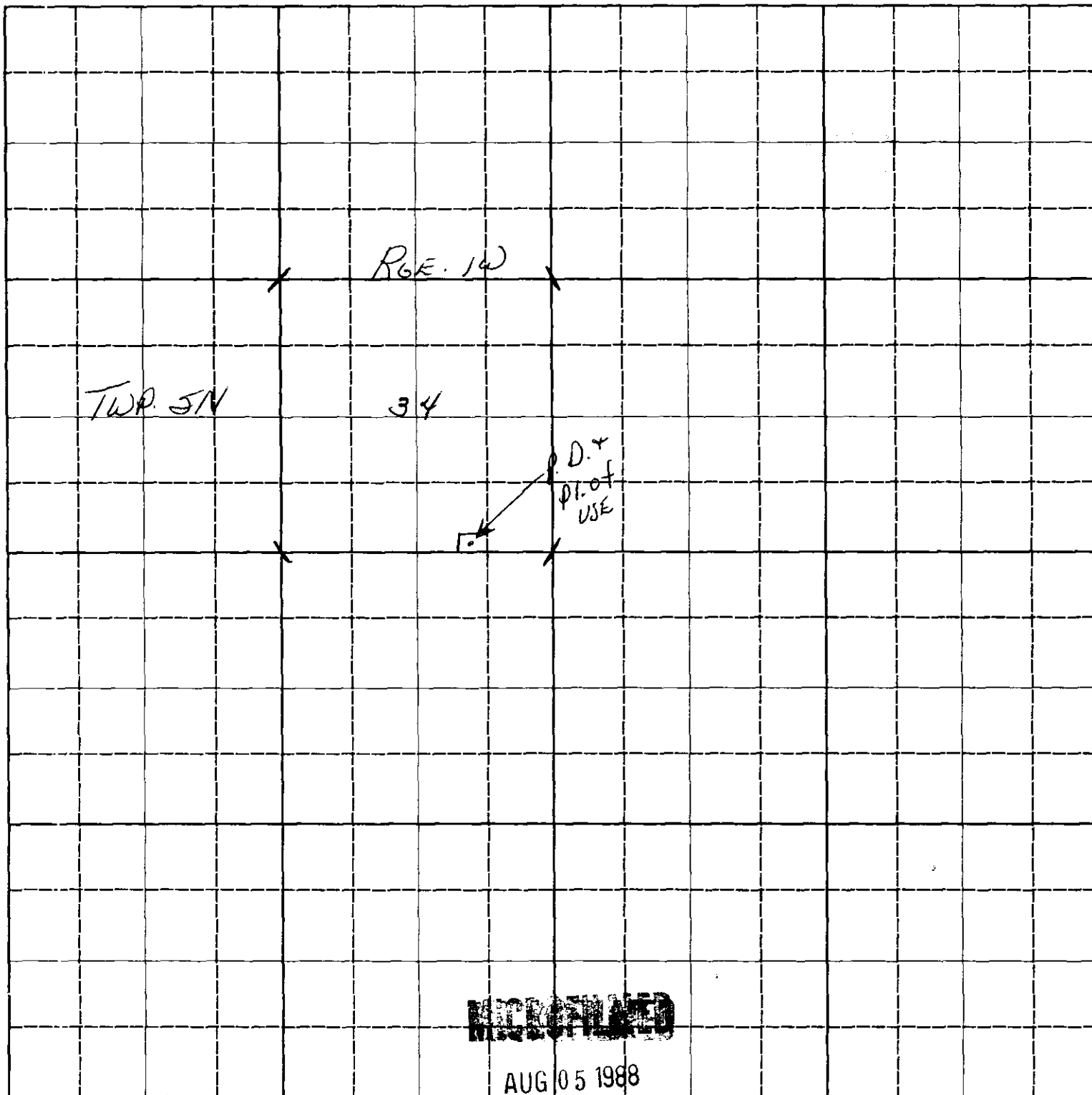
11. a. Who owns the property at the point of diversion? same

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. _____

12. Remarks: Well driller - Ed Holder, Caldwell

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.

Susan M. Bell *Kris E. Bell*
Susan M. Bell (Applicant) Kris E. Bell

Proposed by 9/30/87 ^{30 check enclosed}
Received by JP Date 9/30/87 Time 1:10 pm Preliminary check by [Signature]
Fee \$ 30.00 Received by JP # 43942 Date 10/1/87
Publication prepared by JP Date 10/28/87 Published in The Idaho Statesman
Publication approved [Signature] Date 11/18/87 ^{11/5 11/12/87}

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. 63-10542, 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 January 1, 19 90.
- 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: 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.
Permit holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code.
The maximum rate of diversion for irrigation purposes under this permit shall not exceed 0.10 cfs.

Witness my hand this 24 day of December, 1987.

[Signature]
Director

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AUG 05 1988

The Idaho Statesman

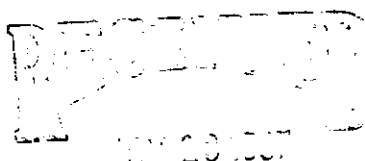
P.O. BOX 40, BOISE, IDAHO 83707

LEGAL ADVERTISING INVOICE

Amount Due

40.34

Account Name			Account Number		
Idaho Department of Water Resources (Western)			#47628		
Address		City/State		Zip	
2735 Airport Way		Boise, ID		83705	
Ordered By	P.O. Number	Rate	Run Dates		
Judy Pense		NT	1987 Nov. 5, 12		
Identification			Estimated Inches	Real Inches	
Applications: Kuenzli & Bell					
1 Number of Affidavits Requested			Legal Number #6855		



Department of Water Resources
Western Regional Office

STATE OF IDAHO)
) ss.
COUNTY OF ADA)

Deborah Gregory, being duly sworn, deposes and says: That she is the Principal Clerk of The Idaho Statesman, a daily newspaper printed and published at Boise, Ada County, State of Idaho, and having a general circulation therein and which said newspaper has been continuously and uninterruptedly published in said County during a period of twelve consecutive months prior to the first publication of the notice, a copy of which is attached hereto; that said notice was published in The Idaho Statesman in conformity with Section 60-108, Idaho Code as amended, for Two (2) ☒ consecutive weekly ☐ consecutive daily ☐ single ☐ odd skip

insertion(s) beginning with the issue of November 5, 19 87

and ending with the issue of November 12, 19 87

Deborah Gregory

Subscribed and sworn to before me this 12th

day of November, 19 87

MICROFILMED

AUG 05 1988

NOTICE OF APPLICATION FOR WATER RIGHT

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

63-10541
Kuenzli, Ronald L. &/or Ida M.
P.O. Box 284
Star, ID 83669
Source: Groundwater
Diversion Pt: NENE Sec. 25 T 04N R 01W
Use: Irrigation (1.940 CFS)
Date Filed: 10/27/1987
In: NENE NWNE SWNE SENE Sec 25 T 04N R 01W — for 97 Acres
63-10542 ☒ 1p 1st
Bell, Susan M. &/or Kris E.
11436 Ustick
Boise, ID 83704
Source: Groundwater
Diversion Pt: SWSE Sec 34 T 05N R 01W
Use: Irrigation (0.180 CFS)
Use: Domestic (0.020 CFS)
Date Filed: 09/30/1987
In: SWSE Sec 34 T 05N R 01W — for 4 Acres

The permit(s) will be subject to all prior water rights. Protests must be filed with the Director, Dept. of Water Resources, Western Region, 2735 Airport Way, Boise, Idaho 83705 on or before, November 23, 1987.

R. KEITH HIGGINSON
Director

June 22, 1992

SUSAN M BELL
KRIS E BELL
PO BOX 1135
EAGLE ID 836160000

RE: WATER RIGHT NO. 63-10542

Dear Water Right Holder(s):

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

Sincerely,

PAMELA SKAGGS
Water Resource Agent

PS:cz

Enclosure

RECEIVED
JUN 24 1992

May 11, 1992

SUSAN M BELL
KRIS E BELL
PO BOX 1135
EAGLE ID 836160000

RE: WATER RIGHT NO. 63-10542

Dear Water Right 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,

PAMELA SKAGGS
Technical Records Specialist

PS:cz

Enclosure

MICROFILMED
JUN 24 1992

LICENSE REVIEW CHECKLIST

Permit # 63-10542

Date 05-05-92 28

	<u>Yes</u>	<u>No</u>	
NAME	☒	☐	Address Change?
PRIORITY DATE	☐	☒	Advance? _____
	☐	☒	Memo to Advance _____
	☐	☒	Order to Reinstate Needed? _____
TOTAL CFS	☐	☒	Incorrect Fee for rate recommended? _____
	☐	☒	Disagree with Actual Measurement? _____
	☐	☒	<u>.02 cfs / DOM - Internal Use Only</u>
	☐	☒	Disagree with Theoretical? _____
	☐	☒	Limited by Capacity? <u>.11 cfs</u>
TOTAL VOLUME			Rate/ac <u> </u> AFA Irr. Season <u> </u>
			<u> </u> Standard Irr. Season
			<u> </u> Season Recommended
	☐	☒	Disagree with Examiner's Calculations? _____
	☐	☒	<u>.6 AFA / DOM - Internal</u>
	☐	☒	Limited by Flow? _____
SOURCE	☐	☒	Changes? Clarification of <u>Originally</u>
	☐	☒	<u>Intended</u> source _____
	☐	☒	Notice of Intent to Void. _____
P/D	☐	☒	Verify with Map
	☐	☒	Amendment Needed? _____
	☐	☒	Is Overlap Analysis a Consideration? _____
P/U	☐	☒	Verify with Map
	☐	☒	Amendment Needed? _____
	☐	☒	Is Overlap Analysis a Consideration? _____
USES	☒	☐	Change(s) in Nature of Use? <u>Drop IRR</u>
	☐	☒	Amendment Needed? _____
REMARKS	☐	☒	Multiple P/Ds in 1/4 1/4? _____
	☒	☐	Non-Irr. Uses <u>DOM / Home</u>
	☐	☒	Special Overlap Condition _____
	☐	☒	Other _____
CONDITIONS	☐	☒	Measuring Device
	☐	☒	W/Master Control
	☐	☒	Overlap
	☐	☒	Water Quality
			DATES/MISC
			<u> </u> ☒ Water Dist.
			<u> </u> ☒ App Rec'd
			<u> </u> ☒ Exam Made
COMMENTS/MEMOS NEEDED:	<u>Drop IRR use / Reduce Rate</u>		

License	<u> </u>	10-Day ☒	15-Day <u> </u> Special Correspondence <u> </u>

WR0749NP
No. L63-10542

IDAHO DEPARTMENT OF WATER RESOURCES
WATER RIGHT PROFILE REPORT
(REGIONAL)

DATE: 05/05/92
PAGE: 1

OWNER CODE	NAME & ADDRESS	PRIORITY DATE	WATER USE	USE PERIOD FROM TO	DIVERSION RATE	DIVERSION VOLUME
C	SUSAN M BELL	09/30/1987	DOMESTIC	01-01 12-31	0.02 CFS	0.6 AFA
C	KRIS E BELL					
	PO BOX 1135					
	EAGLE ID 836160000					
				TOTAL DIVERSION:	0.02 CFS	0.6 AFA

Water Source: GROUNDWATER

Tributary to:

Stage: LICENSE

Point(s) of Diversion Capacity: 0.11 CFS

Point(s) of Diversion: T05N R01W S34 SW SE

Place of use Legal Description for: DOMESTIC

				NE				NW				SW				SE									
T	R	S	:	NENE	NWNE	SWNE	SENE	:	NENW	NWNW	SWNW	SENW	:	NESW	NWSW	SWSW	SESW	:	NESE	NWSE	SWSE	SESE	:		
				Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	:	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	:
05N	01W	34	:					:					:					:						:	

Pou County: ADA

Other Water Rights Listing Overlapping Place(s) of use:
63-02406 63-08525 63-10542

Remarks: Domestic use is for 1 home.

Dates:	App. Received:	09/30/1987	Priority Date:	09/30/1987
	Proof Due Date:	01/01/1990	Proof Made Date:	12/15/1989
	Exam Made Date:	06/26/1990	Exam Sent to S.O.:	
	Licensed Date:			

Misc: Water District Number: Field Exam Fee: N (Not Required)

Audit: 05/05/92 SKAGGS

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

63-10542
Permit No.

Staff Analysis Sheet
for
Beneficial Use Field Report

A. Prior to Conducting the Exam, the File Contains:

- ☒ Blank Field Report Form
☒ Copy of Permit
☐ Copies of any Amendments/Orders with conditions of approval

yes Well Inspection Form Needed

- ☒ Copy of U.S.G.S. Quad

No Check for Government Lots. If so, make a copy of Government Plat

Check of P/D index MTS 6-15-90 (Initial and date)

Overlap? ☒ yes ☐ no If yes: ☐ copy of exam(s) attached?

Type of Overlap? ☐ Add acres or uses to existing system

☐ Increase rate of flow or volume

☒ Other: Another right in same PP

Check of P/U index MTS 6-15-90 (Initial and date)

Overlap? ☒ yes ☐ no If yes: ☐ copy of water right(s) attached?

Type of Overlap? ☐ Increase rate of flow or volume

☐ Add P/D's

☐ Increase number of acres within tracts

☒ Other: Other right in same PP

Aerial Photo

Required? ☐ yes ☒ no If yes: ☐ copy attached?

Scheduling Letter sent? done (Initial and date)

☒ Appointment made and telephone conversation memo attached

B. After Conducting the Exam, the File Contains:

- ☒ Fully completed and signed Field Report Form
☒ Photographs of Point of Diversion and Place of Use

C. Review and Processing:

Exam Completed MTS (Signature of examiner and date)

Exam Reviewed by Senior Water Resource Agent all 4-9-91 (Initial and date)

Exam Reviewed by Manager of Regional Office Done 4/19/91 (Initial and date)

Exam Date Entered in Computer ✓ st (Initial and date)

Exam sent to State Office 4-25-91 st (Initial and date)

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED
MAY 05 1991

Department of Water Resources

A. GENERAL INFORMATION

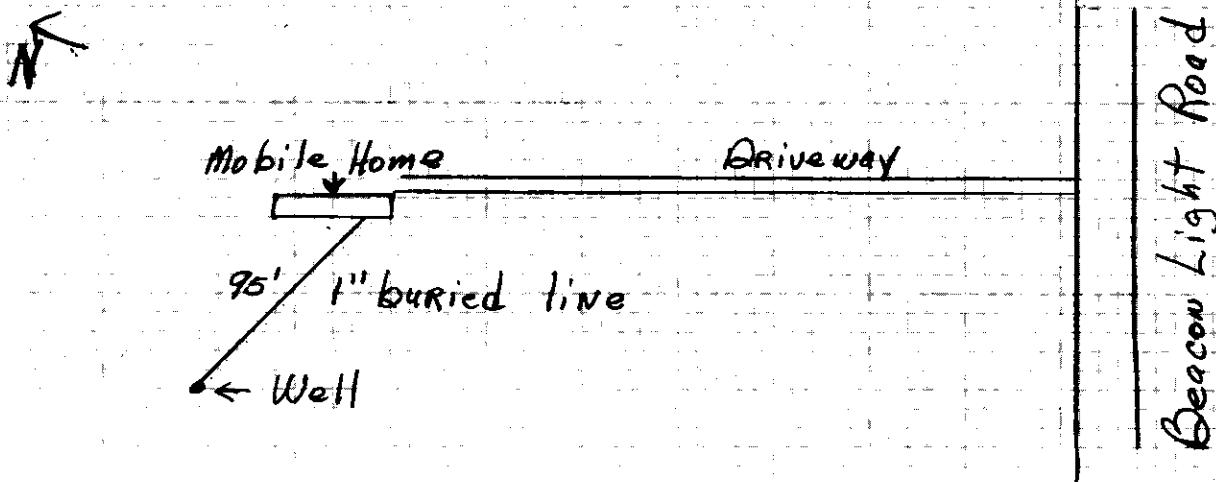
1. Owner: Mrs E. & Susan M. Bell Permit No. 63-10542
Current Address: 7010 Beacon Light Rd, Eagle, Idaho Phone No. 286-7936
2. Accompanied by: Mrs Bell EXAM. DATE: 6-26-90
Address: _____ Phone No. _____
Relationship to Permit Holder: Owner
3. Source: groundwater tributary to _____

B. OVERLAP REVIEW

1. Other water rights with same place of use: 63-4965, 63-8525
_____ ☒ Copies Attached
2. Other water rights with same point of diversion: 63-8525
_____ ☒ Copies Attached ☐ Copies of Field Exam's Attached

C. SYSTEM DESCRIPTION

1. **Diversion System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable. ☐ Alternative diagram attached



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JUN 24 1992

Scale: 1" = 100'

2. ☒ Copy of U.S.G.S. Quadrangle Attached ☐ Aerial Photo Attached
Showing location(s) of point(s) of diversion and (required for irrigation of 10 acres or more).
place(s) of use (required).
☒ Photo of Diversion and System Attached
(required for all but single household domestic groundwater, and stockwater.)

System Description (continued)

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

The system consists of a 6" diameter well with a 3Hp submersible pump that supplies water for one domestic use through a 1" diameter buried pipe approx. 95' from the well to place of use. The system registered 47 psi at the time of exam.

☐ See Remarks on page 4 for continuation

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
Unknown	Franklin	3	282-3028-103	Gould	2" Unknown

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

5. Point(s) of Diversion:

Ident. No.	Gov't. Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
			SW	SE	34	5N	1W	Ada	Orthophoto quad map

6. Place(s) of Use:

Indicate Method of Determination *Orthophoto during Exam*

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	
5N	1W	34																0	

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JUN 24 1992

Do not use this space

D. FLOW MEASUREMENTS

☐ Additional Data Sheets Attached

1.

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

2. Measurements:

Not required for domestic only use.

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

1. Measured Method:

$$Q = \frac{3 \times 8.8 \times .7}{70 + (2.31 \times 40)} = .11 \text{ cfs}$$

2. Alternate Method for Checking Purposes: ↓

est Dyn. level

F. PUMP EFFICIENCY DATA (Optional)

Discharge Pressure: _____ psi x 2.31 = _____ ft (1); Dynamic pumping level: _____ ft (2)

Total Head: (1) + (2) = _____ (3) ; Flow rate: _____ cfs (4)

Water HP: (3) x (4) ÷ 8.8 = _____ (5)

Meter Input KW: 3.6 x _____ KH x _____ CTR or _____ MULT x _____ PTR x _____ N/ _____ T = _____ (6)

Meter Input HP: (6) x 1.34 = _____ (7)

Panel Input KW: _____ Ave PF x _____ Ave Volts x _____ Ave Amps x .001732 = _____ (6)

Panel Input HP: (6) x 1.34 = _____ (7) Efficiency: (5)/(7) x 100 = _____ %

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

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

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

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

2. Volume Calculations for Other Uses:

Domestic internal only 0.6 AFA

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JUN 24 1992

H. REMARKS AND OVERLAP REVIEW ANALYSIS

Other rights in same QP don't affect this permit.

Owners were not able to complete diversion and delivery system for the entire parcel. They desire to license the domestic use and will file a new application when they are ready to irrigate the rest of their land.

** Internal use only - No lawn or irrigation found*

I. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
<i>Domestic</i>	<i>1-1</i>	<i>12-31</i>	<i>.02</i>	<i>.6 afa</i>
Totals:			<i>.02</i>	<i>.6</i>

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 *drop irrigation component*

J. AUTHENTICATION

Field Examiner's Name *Melvin T. Schulte*

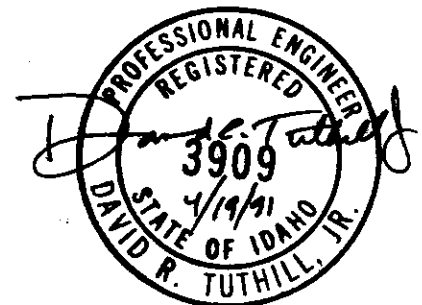
Signature *Melvin T. Schulte*

GH 4-9-91 Certification Date

Field Report Preparation Date *7-12-90*

CONSULTANT SEAL

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



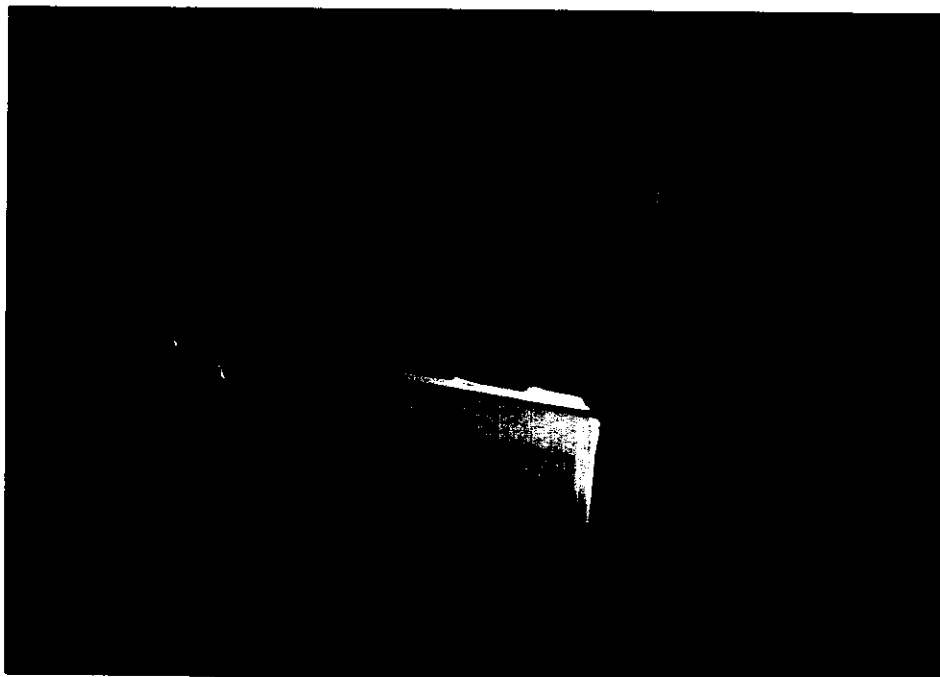
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JUN 24 1992

254

24 1992

63-10542



Picture #1

Wellhead and pressure
tank as seen from
doorway of well house



Picture #2

Place of use -
one domestic
household.

MICROFILMED
JUN 24 1982

Department of Water Resources

WELL INSPECTION FORM

If well is associated with water right, provide WR# 03-10542

Otherwise provide legal description and a sketch map and/or address so that the well can be located easily.

1. Legal Description: TWP 5N, Rge 1W, Sec. 34, SW 1/4 SE 1/4 or Lot .

2. Owner: Russ E. & Susan M. Bell
Address 7010 W. Beacon Light Rd, City Bowie, St D.C.

3. Casing $\geq$ 12 inches above ground: Yes ☒ No ☐

4. Access Port: Yes ☒ No ☐ Static Water Level: 50
Pressure Gauge: Yes ☒ No ☐ 47 PSI Casing Diameter: 6"
Flowing: Yes ☐ No ☒ Temperature:

5. Are there any obvious construction problems that may be a source for contamination or waste of water: Yes ☐ No ☒

If answer to Item 5 is Yes, describe in remarks and attach photo.

Remarks: 47 psi

MICROFILMED
JUN 24 1992

March 9, 1990

SUSAN M. BELL
KRIS E. BELL
11436 USTICK
BOISE, ID 837040000

PROOF ACKNOWLEDGMENT LETTER

RE: PERMIT NO. 63-10542

Dear Permit Holder:

The department acknowledges receipt of the proof of beneficial use form submitted for the above referenced permit. 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 WESTERN Regional Office in Boise at (208)334-2190.

Sincerely,

Rita Fleck
Secretary/Records Manager

c: IDWR - Region

MICROFILMED

MAR 14 1990

1/00

PROOF OF BENEFICIAL USE

ANALYSIS SHEET

Permit No. 63-10542

Date: 3-2-90

General Considerations:

- ☒ Name same as permit
☒ Signature the same as permit holder
☒ Address change no If yes, prepare a data entry
☒ Proof received timely
☐ Reinstated

Source of Water:

- ☒ Surface water
☒ Groundwater
☒ 1. well log in file
☒ 2. drilling permit
☒ A. amount of drilling fee paid for proposed uses

Extent of Use and Rate of Diversion:

- ☒ Rate of diversion appropriate for uses
☒ Is rate or volume and fee appropriate?
☒ Has permit holder indicated when water was first put to a beneficial use?

Measuring Device:

- ☒ NO Is a measuring device or access port required?
☒ Has one been installed?
☒ Waiver or modification of measuring device requested

Remarks:

Proof received

Priority Calculation:

Date proof received

Date proof due

No. of days late

Priority date

NEW PRIORITY DATE

<u>NA</u>	

SEND FILES TO DATA ENTRY AND THEN TO MICROFILM

Address Change

RECEIVED

DEC 15 1989

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
PROOF OF BENEFICIAL USE

AS-3-2-90

no fee encl.
Department of Water Resources

The Idaho Department of Water Resources will consider this form as 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 or a completed field examination report prepared by a certified water right examiner who has been appointed by the department.

Permit No. 63-10542 Telephone No. 377-2107

Name(s) of Permit Holder(s): SUSAN M. & KRIS E. Bell

Post Office Address: PO BOX 1135, Eagle, ID 83612

Source of Water: well

If ground water, well driller's name: Ed Holder Date drilled: 9-20-87

Extent of Use:
Domestic 1 (No. of households) Irrigation _____ (No. of acres)
Stockwater _____ (No. and type of stock) Other _____

Total rate and/or volume for which proof is submitted .02 cfs _____ acre/feet

Show date water was first diverted and beneficially used under this permit: 12-3-87

One of the following may be a condition of approval of your permit:

Measuring device: Required? Yes ☒ No Installed? Yes ☐ No

OR

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

Fee Enclosed: \$ _____ (See License Examination Fee Schedule)

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

SUSAN or KRIS Bell 377-2107 or
Name Telephone No. 286-7936
7010 W. Beacon Light, Eagle, ID 83612
Address

MICROFILMED

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.

12-13-89
Date

A. Bell
Signature (and title if on behalf of a company or organization)

INTER-DEPARTMENT MEMO — 1

FROM

Heta Fleck

DATE 12-8-89

TO

File 63-10542

SUBJECT

Returned Mail

*The Commencement of Work postcard
has an address of 7010 W. Beacon Light Rd,
Eagle, Id 83616.*

*Per phone conversation w/Susan Bell
P.O. Box 1135
Eagle, Id. 83616*

RECORDED & INDEXED

MAR 14 1990

kw
12/13/89

SIGNATURE

Susan Bell

377-2107

63-10542

83720



RETURN TO SENDER

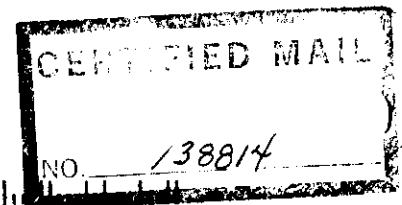
NOV 06 1989

FORWARDING ORDER DELETED

MEK 14 1990

EX-111

FOE



138814

October 31, 1989

SUSAN M. BELL
KRIS E. BELL
11436 USTICK
BOISE, ID 837040000

PROOF DUE NOTICE

RE: PERMIT NO. 63-10542

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 January 1, 1990. (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,

Rita Fleck
Secretary/Records Manager

Enclosures

MICROFILMED

MAR 14 1990



State of Idaho
DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720 - (208) 334-7900

CECIL D. ANDRUS
GOVERNOR
R. KEITH HIGGINSON
DIRECTOR

September 16, 1988

Susan M. & Kris E. Bell
11436 Ustick
Boise, ID 83704

RE: 63-10542 (Water Right Permit)
63-87-Z-041

Dear Ms. & Mr. Bell:

The enclosed letter dated February 5, 1988 indicates that if you wish to develop water permit 65-10542 for irrigation, you should submit an additional \$90 for the drilling permit. You have two options:

1. If you do not submit any additional fee for the drilling permit, you are only authorized to use the well for domestic purposes. The water right will not be licensed for irrigation use.
2. If you submit the \$90, the drilling permit can be amended to include irrigation.

If you have any questions, you may contact me.

Sincerely,

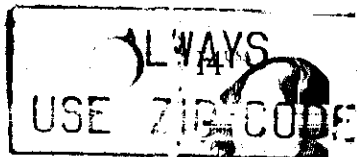
JOHN E. BEAL, Manager
Groundwater Protection Section

JEB:ldt(GP12-1.112)

CC: 63-10542

MICROFILMED

SEP 30 1988



Julia Ward Howe

MULTIPLIED

SEP 30 1988



RECEIVED

IDAHO DEPARTMENT OF WATER RESOURCES
STATEHOUSE
BOISE, IDAHO 83720

Department of Water Resources

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
COMMENCEMENT OF WORKS

Permit No. 63-10542
Name(s) of Permit Holder(s): SUSAN M. & KRIS E. Bell
Post Office Address: 7010 W. Beacon Light Rd.
Eagle, Idaho 83616 Tel. No. 286-7936

☒ I hereby certify that construction of diversion works for the above referenced permit began on 11-1-87 (date). I understand that I must continue to develop the water system with due diligence to maintain a valid permit.

☐ I hereby certify that construction of diverting works on the above referenced project has not yet begun due to the following reason beyond my control:

*Note: A financing difficulty is not an acceptable reason.

2/4/88
Date

S. Bell
Signature of Permit Holder



State of Idaho

DEPARTMENT OF WATER RESOURCES

STATE OFFICE, 1301 North Orchard Street Boise, Idaho 83706-2237 • (208) 334-4440

CECIL D. ANDRUS
Governor

R. KEITH HIGGINSON
Director

February 5, 1988

RE: Permit No. 63-10542

Susan Bell
7010 W. Beacon Light Rd.
Eagle, ID 83616

Dear Mrs. Bell:

Pursuant to a request from Jan Shurte of our Western Regional Office, enclosed you will find copies of the "Fact Sheet for Excessive Irrigation Flows", the results of our hydrology section's review of your application, and a copy of your approved drilling permit.

Please be advised that in order for your well to comply with the drilling requirements of Section 42-235, Idaho Code, you must submit an additional \$90.00 for the use of the well for irrigation purposes. When Mr. Holder applied for the drilling permit, he was issued the permit for the drilling of a domestic well only. The fee for drilling a well for irrigation purposes is \$100.00. I have also included a copy of Section 42-235 for your information. Please submit the additional \$90.00 fee prior to using your well for irrigation purposes.

If you have any questions regarding this matter, please feel free to contact our office.

Sincerely,

KAY WALKER
Technical Records Specialist

KW:sc
Enclosures
cc: Jan Shurte, Western Region
John Beal, Groundwater Protection Sec.

RECEIVED

AUG 05 1988

copy

State of Idaho
Department of Water Resources

DRILLING PERMIT

(Authorizing Construction of a Well)*

1. Applicant Susan Bell
2. Address Beacon Light Rd
Eagle Id
☒ Well Owner ☐ Well Operator ☐ Other, specify _____
3. Water right permit no. _____; Injection well permit no. _____
4. Proposed well location 1/4 SW 1/4 SE 1/4, or Gov't lot No. _____,
Sec. 34, Twp. 5N, Rge. R1W, County Ada,
Lot, block and subdivision _____
5. Proposed use of well: (Check all that apply)
☒ Domestic ☐ Stockwater ☐ Monitoring
☐ Irrigation ☐ Industrial ☐ Municipal
☐ Injection ☐ Other, Specify _____
6. Well construction information:
☒ New well ☐ Deepen ☐ Replace
Proposed surface diameter 6 Proposed depth 100'
Anticipated bottom hole temperature:
☒ 85°F or less (Cold water well)
☐ 85°F to 212°F (Low temp. geothermal well)
☐ 212°F or more (Geothermal well)
7. Anticipated construction start date 9/11/87
8. Well Driller (if known) Holder Drilling
Address 811 W. Plymouth Caldwell
Date 9/11/87 Applicant's signature Eel Holder
Title Driller

RECORDED

* After other pre-requisite approvals have been obtained.

AUG 05 1988

ACTION OF IDWR

() Approved () Denied

The approval of this permit authorizes the construction of a well as described on this application subject to the conditions on this permit.

GENERAL CONDITIONS:

1. The well must be constructed in compliance with the applicable statutes, specific conditions of approval shown on the water right permit, injection well permit, transfer or amendment and the rules and regulations of the Department for water appropriation, injection wells and well construction standards.
2. This drilling permit is valid for two (2) months from its date of issuance for the start of construction and is valid for one (1) year from the date of issuance for completion of the well unless an extension has been granted.
3. The permit holder or his representative shall notify the Department ten (10) days prior to the start of construction unless good cause for later notification can be shown.
4. The well shall be constructed by a driller currently licensed in the State of Idaho who must maintain a copy of the drilling permit at the drilling site.
5. Issuance of this drilling permit does not authorize trespass on the land of another party.
6. This permit does not constitute other local, county, state or federal approvals which may be required for construction of a well.

SPECIFIC CONDITIONS:

7. Verbal App-021 given 9/11/87

Dated this 14th day of September, 1987.

Signed

Title

John E. Reed
SECTION MANAGER
GROUNDWATER PROTECTION

Received by

Fee

Date

Receipt No.

Construction start date

Construction start extension to

Extension approved by

CD

10.00

9-14-87

44585

RECEIVED

AUG 05 1987

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

STATEHOUSE
BOISE, IDAHO 83720
(208) 334-4440
JANUARY 24, 1988

BELL, SUSAN M. & KRIS E.
11436 USTICK
BOISE, ID 83704

PERMIT APPROVAL NOTICE

RE: PERMIT NO. 63-10542

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.

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 COMMENCE CONSTRUCTION, NO LATER THAN ONE YEAR FROM THE DATE THE PERMIT WAS APPROVED.

MAILED

AUG 05 1988

RE: PERMIT NO. 63-10542

2

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

SINCERELY,

GARY SPACKMAN
SUPERVISOR, WATER ALLOCATION SECTION

GS: SC
ENCLOSURES

RECEIVED
MAY 11 1989

State of Idaho
Department of Water Resources

APPLICATION FOR PERMIT ANALYSIS SHEET

INITIAL REVIEW BY: Jim Thute APPLICATION NUMBER: 63-10542

CHECK:

- ☒ Source.
☒ Point of diversion. NO LOTS
☒ 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. NO LOTS
☒ 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. 23-8525 FOR 10 AC - MAY NOT
BE SHARK LAND.
☒ Yes ☐ No In form for advertising.
Final date for protests: November 23, 1987
☐ Yes ☒ No Protests received. If yes, record information on 4th page of application.

FINAL REGIONAL PROCESSING REVIEW:

- ☒ Affidavit of publication received. Date: 11/13/87
☒ Application published correctly. If not, record action taken: _____
☒ Fee amount, receipt date & number, recorded on application. 30/43942
☒ Publication dates and paper, recorded on application. Idaho Statesman 11/28/12/87
☒ 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? 63
9/30/1987 Date of priority recommended.
☒ Special conditions of approval or cover letter. 26A

The diversion rate for irrigation purposes under this permit shall be
limited to 0.10 cfs, and the total diversion rate for all purposes shall
be limited to 0.12 cfs.

(See memos in file re. excessive rates of flow)

☒ Recommend that 2 years be allowed for completion of this project.

By: DR Date: 12/2/87

STATE OFFICE REVIEW:
105, 223, 217 26 46 38 (irrigation, 0.10 cfs)

☐ See attached sheet for more information.

By: KW Date: 12/21/87 Department of Water Resources



State of Idaho

DEPARTMENT OF WATER RESOURCES

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

CECIL D. ANDRUS
Governor

R. KEITH HIGGINSON
Director

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

M E M O

TO: Dave Tuthill *DT* DATE: December 1, 1987

FROM: Verl King

SUBJECT: Susan M. and Kris E. Bell Application

I have reviewed the Susan M. and Kris E. Bell application and find no need for permitting more than .02 cfs/acre of water for irrigation use. An irrigation efficiency of 65% is well within reason and 0.2 cfs/acre will provide more than the 0.3"/day peak period consumptive use.

Also the water holding capacity of the soil is high enough to provide available moisture without crop stress for a six day period during the peak C.U. period for grass and longer for alfalfa.

If you have further questions on this analysis, please let me know.

VK:cjk

Verl King

RECEIVED
DEC 1 1987

RECEIVED

AUG 05 1988

Department of Water Resources
Western Regional Office



State of Idaho
DEPARTMENT OF WATER RESOURCES
Western Region

CECIL D. ANDRUS
Governor

2735 Airport Way
Boise, Idaho 83705
(208) 334-2190

R. KEITH HIGGINSON
Director

October 28, 1987

Susan M. & Kris E. Bell
11436 Ustick
Boise, ID 83704

Re: Application for Permit No. 63-10542

Dear Water Right Applicant(s):

The Department of Water Resources acknowledges receipt of your water right application for permit. The application has been assigned identification no. 63-10542. Please refer to this number in all further correspondence.

This office is currently in the process of advertising the application in the Idaho Statesman on 11/5 & 11/12/87. The advertisement will be published for two 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.

Enclosed please find your receipt no. 43942 for the amount of \$ 30.00.

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

Sincerely,

RECEIVED

AUG 05 1988

David R. Tuthill

DAVID R. TUTHILL, JR., P. E.
Manager, Western Regional Office

DRT:jp

Enclosure:

RECEIVED

INTER-DEPARTMENT MEMO — 1

FROM Dave Tuttle

OCT 21 1987

DATE 10/19/87

TO Veri King

Department of Water Resources

SUBJECT Application for Permit in the Name of Susan M. and Kris E. Bell

Veri, would you plz conduct an analysis to determine if more than 1"/acre is warranted for this irrigation system?

Thanks, Dave

SIGNATURE

Given: Consumptive Use requirement for alfalfa = .3"/day (max)

To find: Rate of Flow Required

Solution:

①

.02 cfs/acre @ continuous flow yields

$$.02 \text{ cfs/acre} \times 1.98 \frac{\text{ac ft}}{\text{cfs day}} \times \frac{12 \text{ in}}{\text{ft}} = .475 \text{ "/day}$$

Efficiency required to provide .3"/day at an

$$\text{available flow of } .475 \text{ "/day} = \frac{.3}{.475} = 63\%$$

Anticipated efficiency for sprinklers is shown on p. 32 of "Irrigation Guide" for irrigation of > 2"/application where wind movement is avg 5-10 mph is 65%. Thus, .02 cfs is capable of providing the necessary amt of water (if system can be designed to accommodate a 65% efficiency).

OKing

② ESTABLISHED STAND OF ALF.-GR.

ROOT ZONE 3.0 FT.

$$\text{WNC} = 3.0(1.2) = 3.6 \text{ " @ 50\% USE } (1.5)(3.6) = 1.8 \text{ IN. PER}$$

$$\text{IRR. FREQ @ PEAK USE} = \frac{1.8}{.30} = 6 \text{ DAYS}$$

$$\text{APPLICATION REQ} = \frac{1.8}{.65} = 2.77 \text{ INCHES}$$

NOT RECORDED

AUG 05 1988

Ident. No. _____

FACT SHEET
for
Excessive Irrigation Flows

This information is to be submitted with any application for permit for which the irrigation rate of flow requested is more than .02 cfs per acre. One exception is that .03 cfs per acre is allowed for up to five (5) acres.

Soil type and soil profile: Feltham Loamy Sand

Soil water holding capacity: 1.2 inches / foot

Soil intake family (if known): 0.5

Field slope: 0 - 3%

Anticipated crops: alfalfa - grass

Method of irrigation: sprinkler

Remarks During peak irrigation season, the consumptive use for alfalfa - grass is 0.3 inches per day (See attached Irrigation Water Mgt. Worksheet) or 2.1 inches per week. These soils have an intake rate of 0.5 inches per hour, but can hold only 0.1 inch of water per inch of soil. In order to maintain good crop production, this well and irrigation system should be able to deliver near the 0.5 inch intake capability of the soil. According to our calculations a 12-hour irrigation set will be needed every three days through the peak use season to apply the moisture needed to establish and maintain adequate production.

If there are any further questions, please contact the S.C.S. Field Office in Meridian. (Mike Liktey and Neal Wilton)

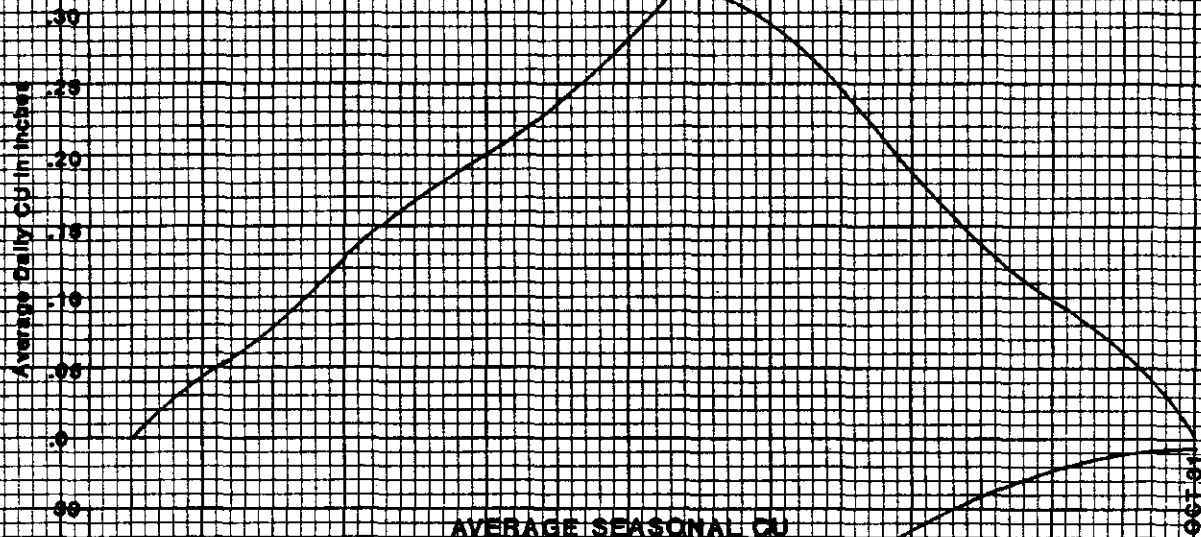
MICROFILMED

AUG 05 1988

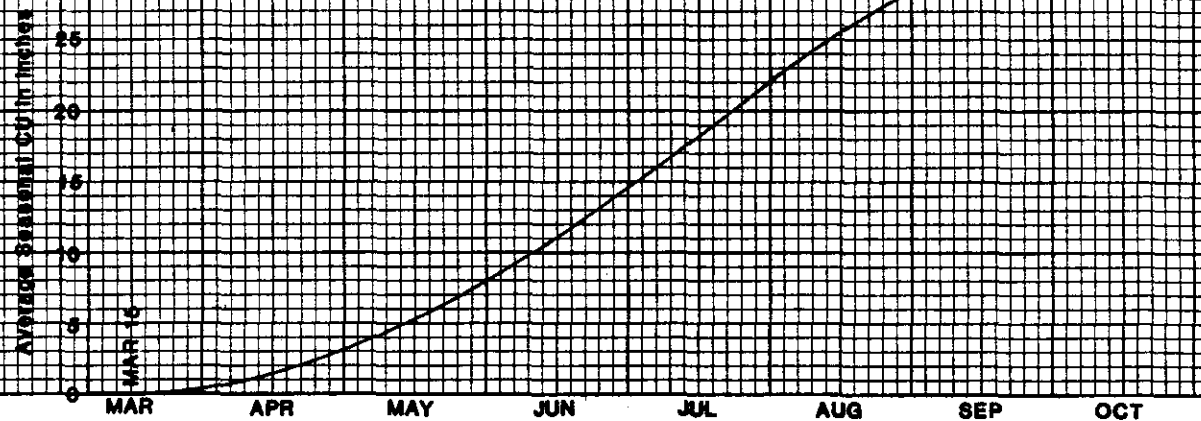
ALFALFA GRASS

Climatic Area I

AVERAGE DAILY CU



AVERAGE SEASONAL CU



SOIL SERIES	SOIL DEPTH-INCHES	MAXIMUM CROP ROOTING DEPTH-INCHES	TOTAL AVAILABLE SOIL WATER HOLDING CAPACITY-INCHES
STAGE OF GROWTH	STRESS POINT IN % OF TOTAL WATER HOLDING CAPACITY		DEPTH OF UNRESTRICTED ROOT ZONE
Vegetative stage first 35 days of new stand	70%		Alfalfa .5 - 1.0 ft.
Vegetative stage 35-90 days new stand	50%		1.0 - 1.5 ft.
Vegetative stage 90 days to dormancy	50%		1.5 - 3.0 ft.
Established stand	50%		3.0 - 6.0 ft. 5.0 - 8.0 ft.
	Ck soil moisture at 1/3 root depth of key plant		
CRITICAL GROWTH PERIOD	SYMPTOMS OF MOISTURE STRESS		GENERAL GUIDES
Seedling and immediately after cuttings.	Bluish-green color, then wilting.		Use - same as for alfalfa. Soil kept moist in upper 4 ft. Avoid over-irrigation. Fall irrigation may be desirable.

IRRIGATION WATER MANAGEMENT
PLANNING WORKSHEET

Name _____ Field No. _____

Crop _____ Soil _____ Slope _____

1. Date				
2. Available soil water holding capacity (in/ft)				
3. Crop stage of growth				
4. Stress point at this stage (% AWHC)				
5. Daily consumptive use at this stage (in/day)				
6. Root Zone Depth at this stage (ft)				
7. Available soil water holding capacity for root zone (2x6)(in)				
8. % moisture for normal irrigation application (100% - 4)				
9. Net normal irrigation application (7x8)				
10. Normal frequency ($9 \div 5$) in days				
11. % soil moisture remaining in root zone (best estimate)				
12. % moisture remaining in root zone to stress point (11 - 4)				
13. Inches of moisture remaining in soil to stress point (12x7)				
14. Days remaining before irrigation is needed ($13 \div 5$)				
A. 24 hours after irrigation: Depth of soil moisture at field capacity (a) head of field (b) end of field				
B. Sediment	NOT REFINED			
C. Crop Uniformity and Yields				
D. Conclusions or Recommendations	AUG 05 1988			

3. The estate or interest referred to herein is at Date of Policy Vested in:

KRIS E. BELL AND SUSAN M. BELL, HUSBAND AND WIFE

4. The land referred to in this policy is described as follows:

A PARCEL OF LAND LYING IN THE SOUTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 34, TOWNSHIP 5 NORTH, RANGE 1 WEST, BOISE-MERIDIAN, ADA COUNTY, IDAHO, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT ON THE SOUTH BOUNDARY OF SAID SECTION 34 WHICH POINT IS 1,850.62 FEET WEST OF THE SOUTHEAST CORNER OF SAID SECTION 34; THENCE NORTH 0°16' EAST, A DISTANCE OF 797.76 FEET TO A FENCE; THENCE NORTH 89°53' WEST, A DISTANCE OF 252.01 FEET ALONG SAID FENCE TO A POINT ON THE EAST BANK OF A DITCH; THENCE SOUTH 45°47' WEST, A DISTANCE OF 32.22 FEET ALONG THE BANK WHICH SEPARATES TWO DITCHES TO A POINT; THENCE SOUTH 0°16' WEST, A DISTANCE OF 775.80 FEET TO THE SOUTH LINE OF SAID SECTION 34; THENCE EAST 275.00 FEET ON THE SOUTH LINE OF SAID SECTION 34 TO THE POINT OF BEGINNING.

EXCEPT DITCH AND ROAD RIGHT-OF-WAY.

RECORDED

AUG 05 1988

Doris Frank
Countersignature Authorized Officer or Agent

LAWYERS TITLE OF IDAHO BOISE, IDAHO
Issued at (Location)

Policy 85 (Rev. 2/79)
Form No. 035-0-085-0000/3

This Policy is invalid unless the cover sheet
and Schedule B are attached

ALTA Owner's Policy Form B 1970 (Rev. 10-17-70 and 10-17-84)
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ORIGINAL

SECRET C 7

_____ c. _____

1. *Journal of the American Medical Association*, 2000; 284: 2561-2566.

1994年12月15日
 1994年12月15日

63-10542

BELL, SUSAN M. &/or KRIS E.

11436 USTICK, BOISE, ID 83704

Source: GROUNDWATER

Diversion Pt: SWSE Sec 34 T 05N R 01W

Use: IRRIGATION (0.180 CFS)
DOMESTIC (0.020 CFS)

Date Filed: 09/30/1987

In: SWSE Sec 34 T 05N R 01W FOR 4 ACRES

MICROFILMED

AUG 05 1988