

IN THE DISTRICT COURT OF THE FIFTH JUDICIAL DISTRICT OF THE STATE OF IDAHO,
IN AND FOR THE COUNTY OF TWIN FALLS

IN RE THE GENERAL ADJUDICATION
OF RIGHTS TO THE USE OF WATER FROM
THE SNAKE RIVER BASIN WATER SYSTEM.

CIVIL CASE NUMBER: 39576

Ident. Number: A22-07466
Date Received: 2/16/1989
Receipt No: E005795
Received By: _____

NOTICE OF CLAIM TO A WATER RIGHT
ACQUIRED UNDER STATE LAW

1. Name: GREGORY N. DARNELL 208-356-0627
Address: RT. 2 BOX 140A
REXBURG, ID 83440-0000

2. Date of Priority: NOV 11, 1983

3. Source: GROUNDWATER Trib. to:

4. Point of Diversion:

Township	Range	Section	1/4 of	1/4 of	1/4	Lot	County
07N	39E	25	SW	SW	SE		FREMONT

5. Description of diverting works:
2 WELLS: ONE FOR IRRIGATION/STOCK - ONE FOR DOMESTIC PURPOSES

6. Water is used for the following purposes:

Purpose	From	To	C.F.S.	(or)	A.F.A.
IRRIGATION	04/01	11/01	0.040		
STOCKWATER	01/01	12/31	0.020		
DOMESTIC	01/01	12/31	0.040		

7. Total Quantity Appropriated is:
0.060 C.F.S. (and/or) A.F.A.

8. Total consumptive use is 5.7 Acre Feet Per Annum.

9. Non-irrigation uses:
S-3 HORSES, D-1 HOUSE.

10. Place of Use:

Township	Range	Section	1/4 of	1/4	Lot	Use	Acres
07N	39E	25	SW	SE		IRR	1.3

A22-07466

Page 1

Date: 02/16/89

OCT 29 1992

10. Place of Use: Continued

Township	Range	Section	1/4 of	1/4	Lot	Use	Acres
07N	39E	25	SW	SE		STOCK	
			SW	SE		DOMEST	
						Section Acres	1.3
						Total Acres	1.3

11. Place of use in counties: FREMONT

12. Do you own the property listed above as place of use? YES

13. Other Water Rights Used:
NONE

14. Remarks:

15. Basis of Claim: PERMIT

OCT 29 1992

IN THE DISTRICT COURT OF THE FIFTH JUDICIAL DISTRICT OF THE
STATE OF IDAHO, IN AND FOR THE COUNTY OF TWIN FALLS

IN RE THE GENERAL ADJUDICATION
OF RIGHTS TO THE USE OF WATER FROM
THE SNAKE RIVER BASIN WATER SYSTEM

CIVIL CASE NUMBER: 39576

Ident. Number A22-07466Date Received 2/14/89Receipt Number ~~XXXXXXXXXX~~

E005795

RECEIVED

FEB 14 1989

Department of Water Resources
Eastern District Office

NOTICE OF CLAIM
TO A
WATER RIGHT
ACQUIRED UNDER STATE LAW

Please type or print clearly

1. Name of Claimant (s) Gregory N. Darnell Phone (208) 356-0627
Mailing Address Rt. 2 Box 140A Rexburg, ID Zip 83440

2. Date of Priority (Only one (1) per claim) November 11, 1983

3. Source of water supply (a) groundwater
which is tributary to (b) _____

4. a. Location of existing point of diversion is: Township 7N Range 39E Section 25,
SW 1/4 of SW 1/4 of SE 1/4, Govt. Lot, _____ B.M., County of Fremont

Additional points of diversion if any: _____

b. If instream flow, beginning point of claimed instream flow is:

Township _____ Range _____ Section _____, _____ 1/4 of _____ 1/4 of _____ 1/4,

Govt. Lot _____ B.M., County of _____

ending point is: Township _____ Range _____ Section _____, _____ 1/4 of _____ 1/4 of

_____ 1/4, Govt. Lot _____ B.M., County of _____

5. Description of existing diversion works (Dams, Reservoirs, Ditches, Wells, Pumps, Pipelines, Headgates, Etc), including the dates of any changes or enlargements in use, the dimensions of the diversion works as constructed and as enlarged and the depth of each well. There are 2 wells.

Irrigation/stockwater : 21 feet deep, 2" pipe ; 2 1/2" galvanized to 2.0 HP
pump, 3" main line from pump to 8 Rain Bird heads with 9/64 - 3/16" jets

Domestic well : 60 feet deep, 3/4 HP submersible pump, 40' line to 25 gal.
pressure tank in house

OCT 29 1992

6. Water is claimed for the following purposes:

(both dates are inclusive)

(cfs)

(acre feet)

For Irrigation purposes from 4-1 to 11-1 amount .04 or _____

For Stockwater purposes from 1-1 to 12-31 amount .02 or _____

For Domestic purposes from 1-1 to 12-31 amount .04 or _____

For _____ purposes from _____ to _____ amount _____ or _____

7. Total quantity claimed (a) .06 (cfs) and/or (b) _____ (acre feet)

8. Total consumptive use claimed is 5.78 acre feet per annum.

9. Non-irrigation uses; describe fully (eg. Domestic: Give number of households served; Stockwater: Type and number of livestock Etc.) Domestic: 1 household ; stockwater - 3 horses

10. 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 use (example: D for Domestic) in the corresponding place of use below. See instructions for standard symbols.

TWP	RNG	SEC	NE 1/4				NW 1/4				SW 1/4				SE 1/4				Totals
			NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	
7N	39E	25															1.3		1.3
																	D		
																	S		

Total number of acres irrigated 1.3

11. In which county (ies) are lands listed above as place of use located? Fremont

12. Do you own the property listed above as place of use? Yes ☒ No ☐
If your answer is No, describe in Remarks below the authority you have to claim this water right.

13. Describe any other water rights used at the same place and for the same purposes as described above. _____ or None (✓)

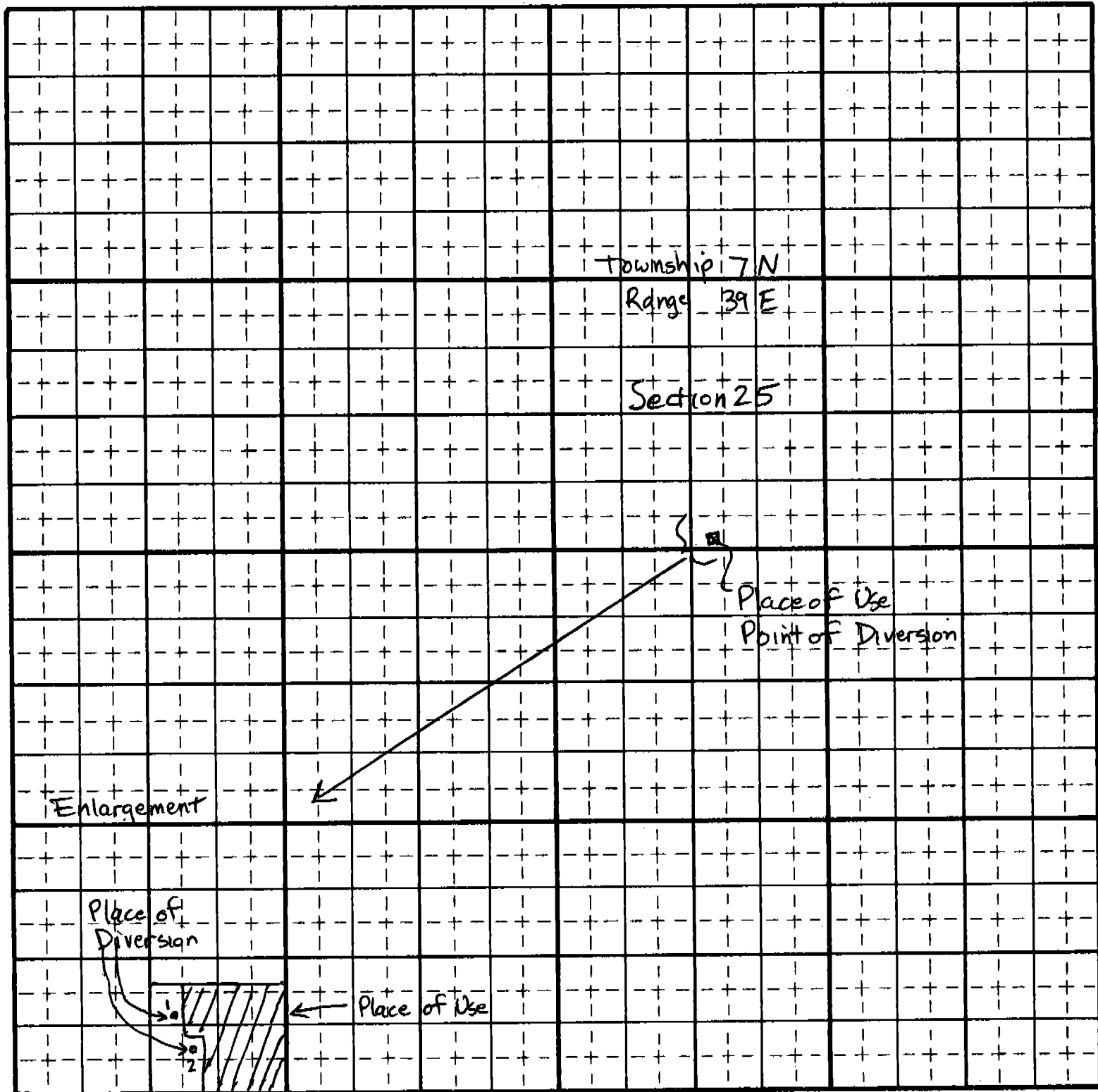
14. Remarks: Original permit application filed by William G. Klebold
assigned to Gregory N. Darnell on May 27, 1987
Field examination completed July 24, 1987
attachments: aerial photo (1 page)
map of property (1 page)
copy of "Beneficial Use Field Report" (4 pages)
OCT 29 1982

Last Name Darnell Ident No. _____

Copies: White -State, Yellow-Claimant

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

Scale: 2 inches equals 1 mile



SW 1/4 of SW 1/4 of SE 1/4

OCT 29 1992

Last Name Darnell

Ident No. _____

Copies: White-State, Yellow-Claimant

15. Basis of Claim (check one) Beneficial Use _____ Posted Notice _____ License _____ Permit ☒

Decree _____

If applicable provide IDWR Water Right Number 22-7466

Court _____ Case Number _____ Decree Date _____

Plaintiff vs Defendant _____

16. Signature (s)

(a.) By signing below, I/We acknowledge that I/We have received, read, and understand the form entitled

"How you will receive notice in the Snake River Basin Adjudication." (b.) I/We do _____ do not ☒

wish to receive and pay a small annual fee for monthly copies of the docket sheet.

Number of attachments 3 (6 pages)

For Individuals: I do solemnly swear or affirm that the statements contained in the foregoing document are true and correct.

Signature of Claimant (s) Gregory N. Darnell Date 2-9-89

Date _____

For Organizations: I do solemnly swear or affirm that I am _____

Title

of _____, that I have signed the foregoing

Organization

document in the space below as _____ of _____

Title

Organization

and that the statements contained in the foregoing document are true and correct.

Signature of Authorized Agent _____

Title and Organization _____ Date _____

State of Idaho/or _____)

County of Madison) SS.

Subscribed and sworn (or affirmed) before me this 9th day of Feb. 19 89

SEAL

Notary Public Mary Lee Hill

Residing at Leiburg

My Commission Expires Jan. 31, 1992

Please Print Name

17. Notice of Appearance:

Notice is hereby given that I, _____ will be acting as attorney at law on behalf of the claimant signing above, and that all notices required by law to be mailed by the director to the claimant signing above should be mailed to me at the address listed below.

Signature _____

Address _____

Date _____

OCT 29 1992

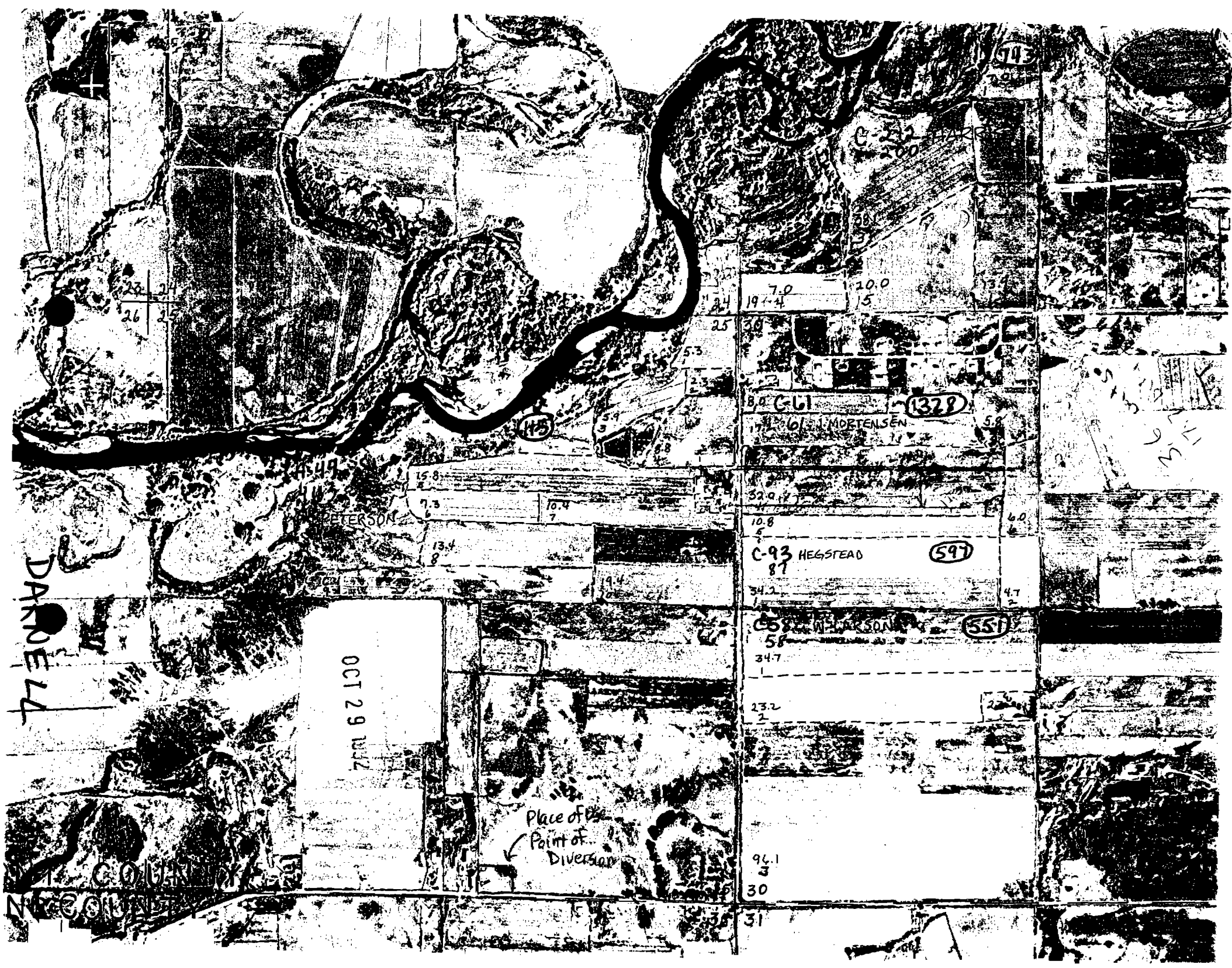
Last Name Darnell Ident. Number _____

Copies White-State, Yellow-Claimant

DARNELL

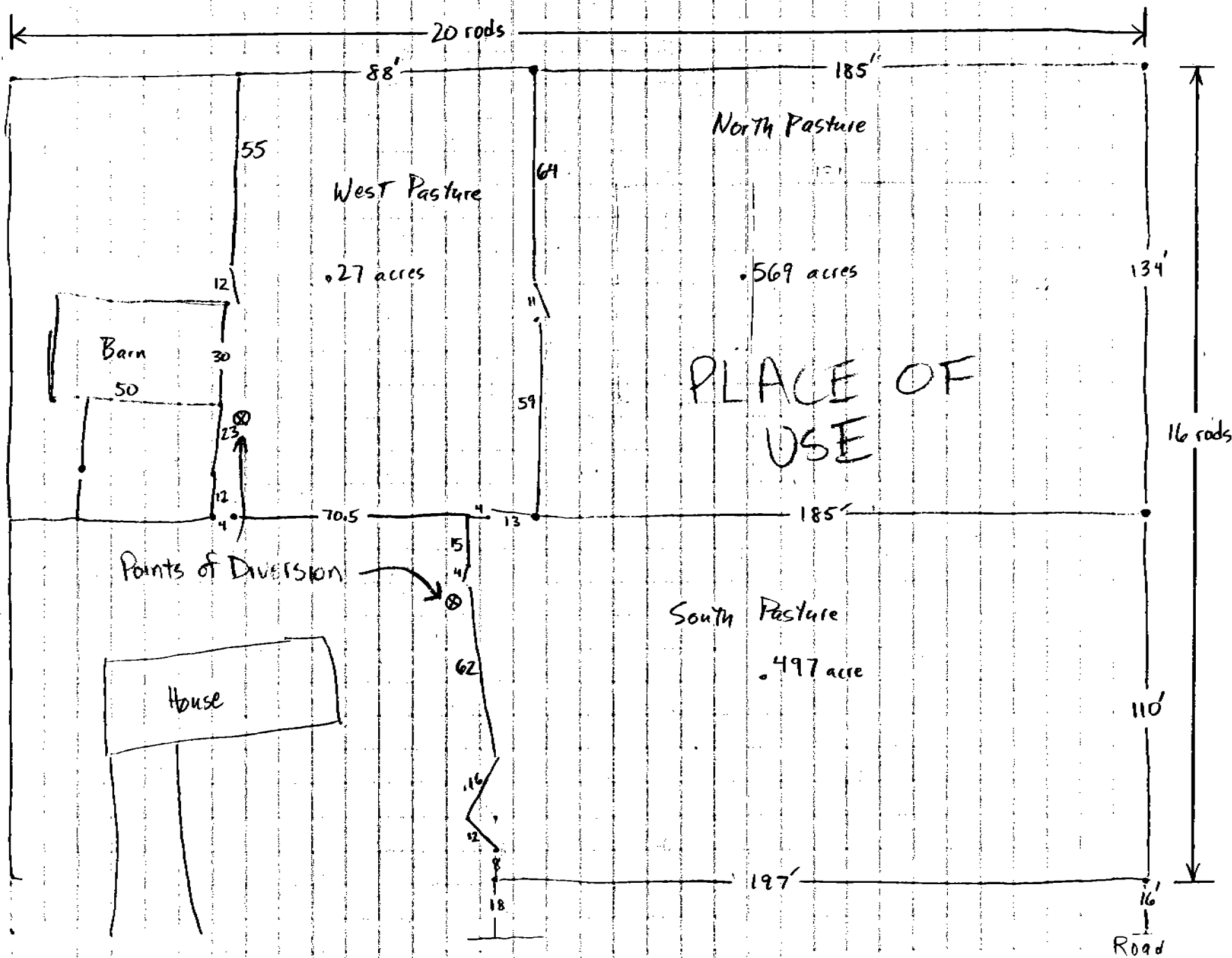
OCT 29 1942

Place of
Point of
Diversion



DARNELL

OCT 29 1932



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

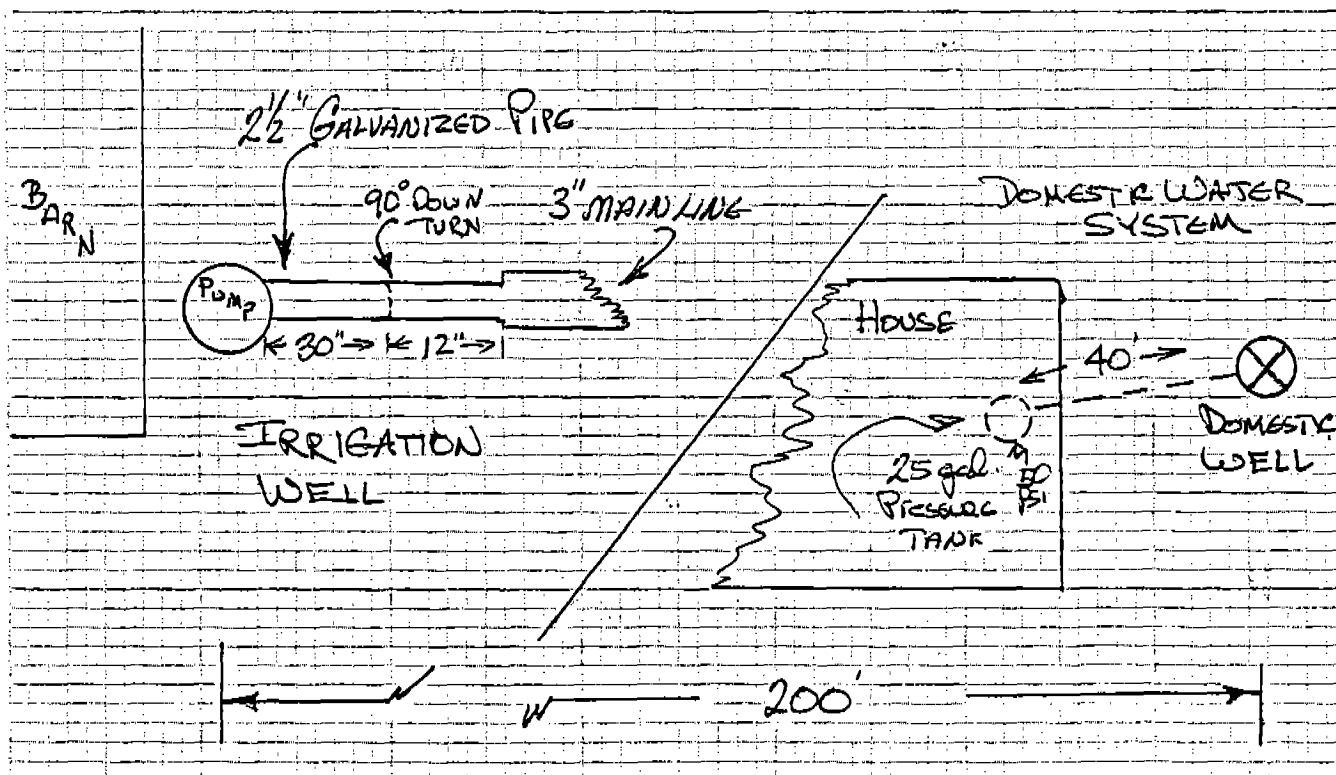
1. Owner: GREGORY N. DARNELL Permit No. 22-7466
Current Address: RT 2 Box 140A, REXBURG, ID. 83440 Phone No. 356-0627/8915
2. Accompanied by: APPLICANT EXAM. DATE: 24-JULY-1987
Address: _____ Phone No. SAME
Relationship to Permit Holder: _____
3. Source: GROUNDWATER tributary to _____

B. OVERLAP REVIEW

1. Other water rights with same place of use: NONE ☐ Copies Attached
2. Other water rights with same point of diversion: NONE ☐ 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" = No Scale

2. ☒ Copy of U.S.G.S. Quadrangle Attached
Showing location(s) of point(s) of diversion and
place(s) of use (required).

☒ Photo of Diversion and System Attached
(required for all but single household domestic groundwater, and stockwater.)

☐ Aerial Photo Attached
(required for irrigation of 10 acres or more).

OCT 29 1982

DARNELL

Description (continued)

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

THE PROPERTY THE PERMITEE OWNS CONTAINS 2 WELLS.
AN IRRIGATION WELL, 20' DEEP, ^{WATERS} ~~SECTORS~~ A 1.34 ACRE
HORSE PASTURE AND IS USED TO FILL A 100 gal WATER
TROUGH FOR 2 HORSES.

THE SECOND WELL SUPPLIES DOMESTIC WATER FOR 1 HOME,
IS USED TO IRRIGATION 2.5 ACRE LAWN AROUND HOUSE
AND ~~SAID BE~~ USED TO FILL WATER TROUGH IN WINTER.
IS

☒ 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
IRRIGATION	DAYTON	2.0	1103052402	MEYERS	17153D
DOMESTIC	FRANKLIN	3/4	280-1070-101	SUBMERSIBLE	

*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
		SE	SE	SE	25	7N	39E	MADISON	ON-SITE/USGS QUAD
		SW	SW					FREMONT	

6. Place(s) of Use:

Indicate Method of Determination

Twp.	Rge.	Sec.	NE 1/4				NW 1/4				SW 1/4				SE 1/4				Totals
			NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	
7N	39E	25															1.3	1.3	
																	D	1.3	
																	S	1.3	

OCT 29 1992

Do not use this space

DARNELL

Do not use this space

D. FLOW MEASUREMENTS

☐ Additional Data Sheets Attached

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
PITOT GAUGE	160 PSI	RAIBIRD			160 PSI	

2. Measurements:

IRRIGATION WELL	BIRD NO:	1	2	3	4	5	6	7	8
	SIZE:	9/16	3/16	3/16	5/32	11/16	9/16	9/16	9/16
	PSI:	17	17	17	17	17	17	17	17

THEORETICAL DOMESTIC HP = 0.75 / *H = 40' / PSI = 50

* ASSUME FROM NEIGHBORING WELLS.

E. FLOW CALCULATIONS

☒ Additional Computation Sheets Attached

1. Measured Method:

$$\text{DOMESTIC THEORETICAL: } Q = \frac{(HP)(8.814)(.8)}{H + PSI(2.308)} = \frac{(0.75)(8.814)(.8)}{40 + 50(2.308)} = 0.034 \text{ cfs}$$

2. Alternate Method for Checking Purposes:

Allow 0.04 Domestic

$$\text{IRRIGATION WELL: CAPACITY} = 0.54 \text{ cfs} / \text{Allow } (0.03 \text{ cfs} / \text{acre})(0.3 \text{ acres}) = 0.04 \text{ cfs}$$

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:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = (1.3)(3.5) = 4.55 \text{ AFA}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = (0.04)(214)(1.9835) = 16.98 \text{ AFA}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 4.55 \text{ AFA}$$

2. Volume Calculations for Other Uses:

Allow 1.2 AFA DOMESTIC USE

OCT 29 1992

$$\text{STOCKWATER: } \frac{(2 \text{ HEAD})(15 \text{ gpd})(365 \text{ days})}{325,850 \text{ g/AF}} = 0.03 \text{ AFA}$$

DARNELL

MARKS AND OVERLAP VIEW ANALYSIS

~~IRRIGATION SYSTEM~~

I. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
IRRIGATION	4/1	11/1	0.04 cfs	4.55 AFA
STOCK WATER	1/1	12/31	0.02 cfs	0.03 AFA
DOMESTIC	1/1	12/31	0.04 cfs	1.20 AF

*Q = LIMITED BY PERMIT TO 0.06 cfs

* Totals: ~~0.06 cfs~~
0.06 cfs 5.78 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

J. AUTHENTICATION

Field Examiner's Name ERIC S. VERNER
 Signature [Signature]
 Certification Date Nov 13, 1987
 Field Report Preparation Date October 9, 1987

CONSULTANT SEAL

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

OCT 29 1987

DARNELL