

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: A22-07287
Date Received: 3/08/1989
Receipt No: E005999
Received By: _____

NOTICE OF CLAIM TO A WATER RIGHT
ACQUIRED UNDER STATE LAW

1. Name: DE LYNN P. NEDROW 208-356-9373
Address: P.O. BOX 565
REXBURG, ID 83440
OR
Name: DAVID V. SCHWENDIMAN 208-458-4224
Address: 2573 NORTH 15000 EAST HWY 33
NEWDALE, ID 83436
OR
Name: MELANIE SCHWENDIMAN 208-458-4224
Address: 2573 NORTH 15000 EAST HWY 33
NEWDALE, ID 83436

A2207287



2. Date of Priority: JAN 16, 1979

3. Source: GROUNDWATER Trib. to:

4. Point of Diversion:

Township	Range	Section	1/4 of	1/4 of	1/4 of	Lot	County
07N	41E	29	SE	SW	NE	I	FREMONT
	42E	23		SW	SW		MADISON
			SE	NW	SE	R	FREMONT

5. Description of diverting works:

3-EXCHANGE WELLS, REDIV. PUMPS, WELL & PUMP, MAINLINE TO SPRINKLERS

6. Water is used for the following purposes:

Purpose	From	To	C.F.S.	(or)	A.F.A.
IRRIGATION	04/01	11/01	8.000		

7. Total Quantity Appropriated is:

8.000 C.F.S. (and/or) A.F.A.

8. Total consumptive use is 1200.0 Acre Feet Per Annum.

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Date: 03/08/89

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9. Non-irrigation uses:
NONE

10. Place of Use:

Township	Range	Section	1/4 of	1/4	Lot	Use	Acres
07N	42E	15	SW	SW		IRR	1.5
					Section Acres		1.5
		21	NE	SE		IRR	40.0
					Section Acres		40.0
		22	NE	NE		IRR	20.0
			NW	NE		IRR	17.0
			SW	NE		IRR	40.0
			SE	NE		IRR	40.0
			NE	NW		IRR	33.0
			NW	NW		IRR	34.0
			SW	NW		IRR	40.0
			SE	NW		IRR	40.0
			NW	SW		IRR	39.0
			NE	SE		IRR	40.0
			NW	SE		IRR	40.0
					Section Acres		383.0
		23	NW	NW		IRR	2.5
			SW	NW		IRR	27.0
			SE	NW		IRR	3.0
			NE	SW		IRR	23.0
			NW	SW		IRR	40.0
			SW	SW		IRR	40.0
			SE	SW		IRR	40.0
					Section Acres		175.5
					Total Acres		600.0

11. Place of use in counties: MADISON

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

13. Other Water Rights Used:
NONE

14. Remarks:
P/D SAME AS 22-7210/7313A/7313B

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Date: 03/08/89

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14. Remarks: Continued

15. Basis of Claim: PERMIT
Water Right Number: 227287

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: _____

For Individuals:

I/We do solemnly swear or affirm that the statements contained in the foregoing document are true and correct.

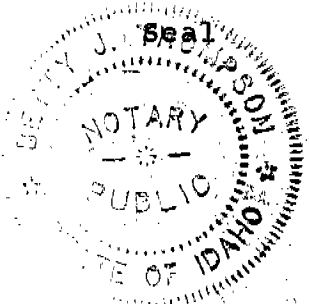
Signature of Claimant(s): David V. Schwendiman Date: 3-8-89

Date: _____

State of Idaho)
County of Bonneville) ss.

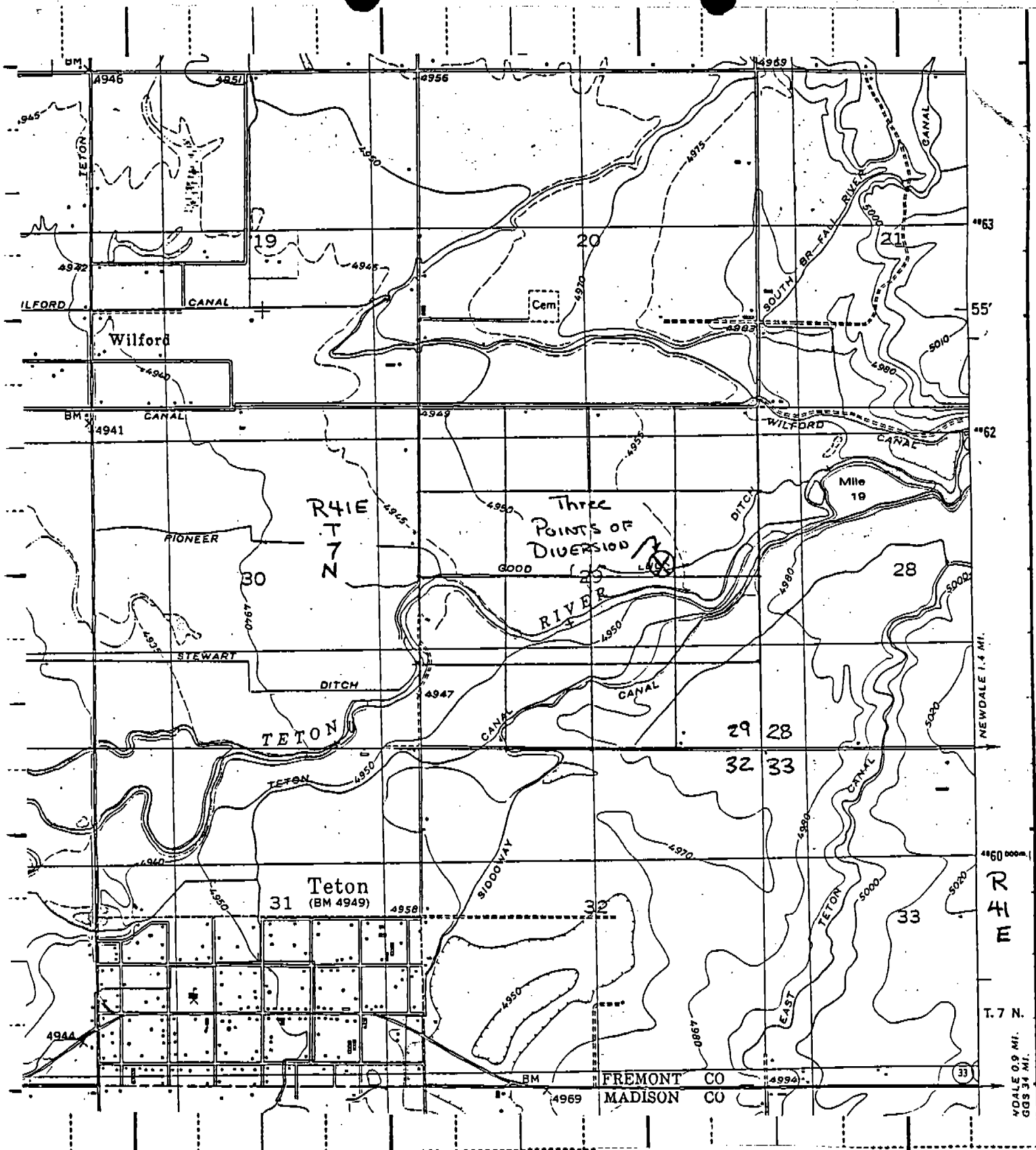
Subscribed and sworn (or affirmed) before me this 8 day
of Mar 19 89

Betty J. Thompson
Notary Public



BETTY J. THOMPSON, NOTARY PUBLIC
Residing at RESIDING AT IDAHO FALLS, IDAHO
My Commission Expires MY COMMISSION EXPIRES: 6-30-94

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SCALE: 2 Inches Equal 1 Mile. Draw Plan In Ink.

Log for claim 22-07287

Spatial Dynamics LTD

8/17/01

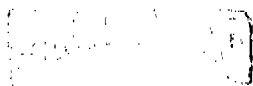
TR	SEC	QQ	Acres Claimed	Acres Found	COMMENT
07n42e	15	SWSW	1.5	1.1	
07n42e	21	NESE	40	38	
07n42e	22	SENE	40	39	
07n42e	22	SWNE	40	40	
07n42e	22	NENE	20	19	
07n42e	22	NWNE	17	17	
07n42e	22	NENW	33	33	
07n42e	22	NWNW	34	34	
07n42e	22	SWNW	40	40	
07n42e	22	SENE	40	40	
07n42e	22	NWSW	39	35	
07n42e	22	NESE	40	38	
07n42e	22	NWSE	40	38	
07n42e	23	NESW	23	25	
07n42e	23	SESW	40	38	
07n42e	23	NWNW	2.5	3.9	
07n42e	23	SWNW	27	31	
07n42e	23	SENE	3	4.5	
07n42e	23	NWSW	40	40	
07n42e	23	SWSW	40	38	
Totals:			600	592.5	

WATER RIGHT SUMMARY

ACTION	RIGHT NO.	NAME	AMOUNT CFS
~~Original Application~~	~~22-07287~~	~~Nedrow, Paul E.~~	~~8.0~~
~~Full Assignment~~	~~22-07287~~	~~Sensenback, Paula N.~~	~~8.0~~
		~~Nedrow, DeLynn P.~~	
		~~Nedrow, Jerry L.~~	
Full Assignment	22-07287	Schwendiman, David Val	8.0

RECEIVED

FEB 22 1996



JUL 31 1978

Department of Water Resources
Eastern District Office

Identification No. 22 7287

Application No. **APPROVED**

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT

To Appropriation the Public Waters of the State of Idaho
(TYPE OR PRINT IN INK)

1. Name of applicant Paul E. Nedrow Phone: 208-356-5538
post office address 270 South 500 West Rexburg, Idaho 83440
2. Source of water supply Subterranean which is a tributary of _____
3. a. Location of point of diversion is SW $\frac{1}{4}$ of SW $\frac{1}{4}$ of Section 23 Township 7N
Range 42E B.M. Madison County; additional points of diversion if any: _____

- b. If water is not consumed, it will be discharged into _____ at a point in _____ $\frac{1}{4}$
of _____ $\frac{1}{4}$ of Section _____ Township _____ Range _____ B.M. _____
4. Water will be used for the following purposes:
Amount 8 CFS for Irrigation purpose from April 1 to Nov. 1 (both dates inclusive)
(cfs or acre-feet per annum)
Amount _____ for _____ purpose from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)
Amount _____ for _____ purpose from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)
5. Total quantity to be appropriated:
a. Eight cubic feet per second and/or
b. _____ acre feet per annum.
6. Proposed diverting works:
a. Description of ditches, flumes, pumps, headgates, etc. Deep well with pump, motor,
mainline, laterals, and sprinklers

- b. Height of storage dam _____ feet, active reservoir capacity _____ acre feet; total reservoir
capacity _____ acre feet, materials used in storage dam: _____
Period of year during which storage will occur _____ (Mo. Day) to _____ (Mo. Day) inclusive.
- c. Proposed well diameter is _____ inches; proposed depth of well is _____ feet.
7. a. Time required for the completion of the works and application of the water to the proposed beneficial use
is 5 years.
b. Estimated construction cost is \$ 150,000.
8. Description of proposed uses:
a. If water is **not** for irrigation:
(1) Give the place of use of water: _____ $\frac{1}{4}$ of _____ $\frac{1}{4}$ of Section _____ Township _____
Range _____ B.M. _____
(2) Amount of power to be generated: _____ hp under _____ feet of head.
(3) List number of each kind of livestock to be watered: _____

(4) Name of municipality to be served _____, or number of families to be
supplied with domestic water: _____
(5) If water is to be used for other purposes describe: _____

b. If water is for irrigation, indicate acreage in each subdivision in the tabulation below.

TWP.	RANGE	SEC	NE 1/4				NW 1/4				SW 1/4				SE 1/4				TOTALS
			NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	
7N	42E	23									40	40	40	40					160
7N	42E	22		40	40	40	40	40	40	40		40			40	40			400
7N	42E	21													40				40

Total number of acres to be irrigated 600

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

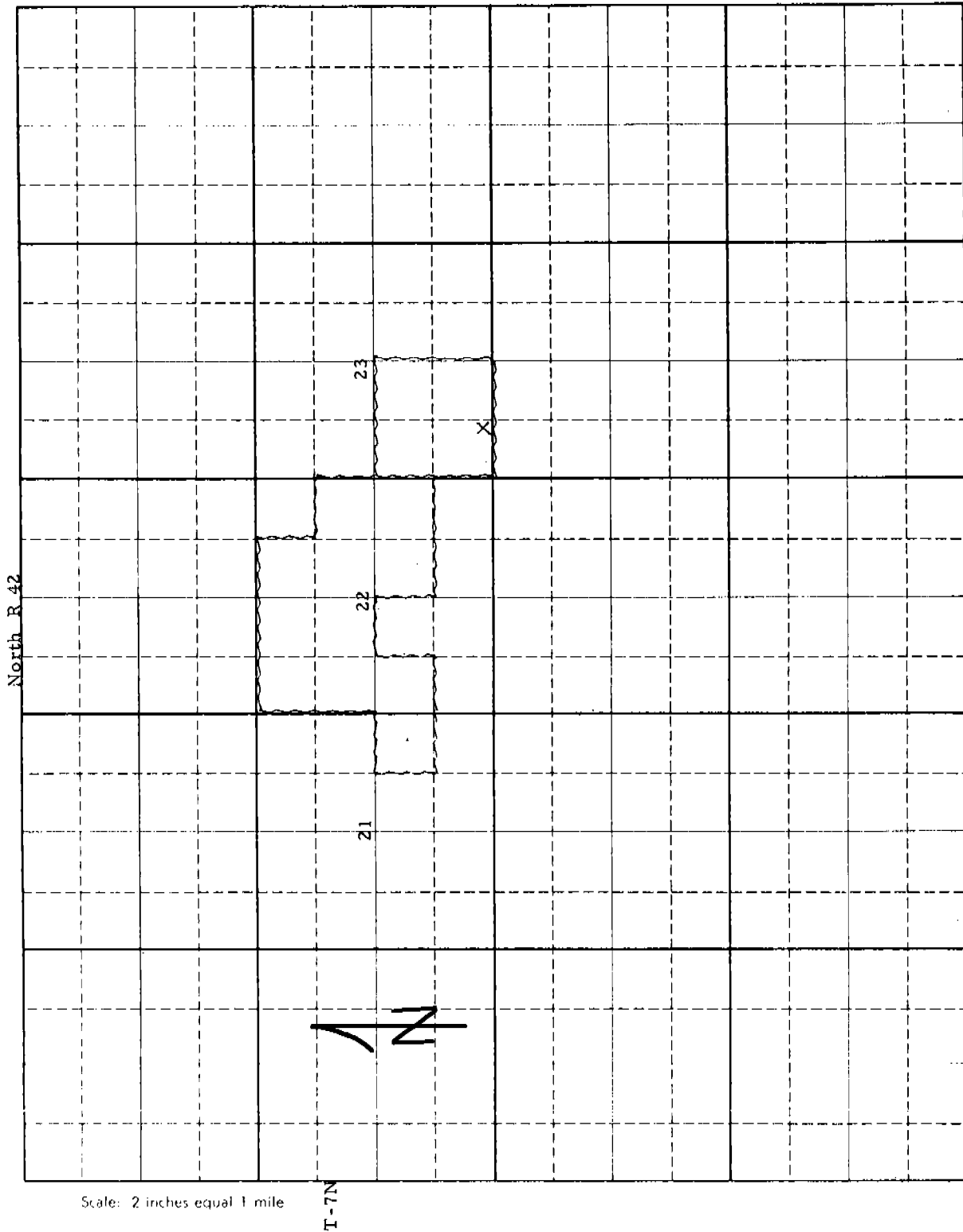
9. a. Who owns the property at the point of diversion Applicant

b. Who owns the land to be irrigated or place of use Applicant

c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing.

10. Remarks

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



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.

Paul Helrow
(Applicant)

Proposed Priority 1-16-79

dh	1-16-79	noon
dh	12-01-78	noon
dh	7-31-78	11:57 AM
dh	12-21-77	11:30 a.

Received by dh Date 12-19-77 Time 5:30

Preliminary check by JC Fee \$ 105.00 # 12835

Received by dh Date 1-17-79

Publication prepared by dh Date 1-17-79

Published in STANBAC JOURNAL

Publication dates JAN 25 - FEB 1, 1979

Publication approved JF Date 2-8-1979

Priority reduced to _____ Reason _____

Protests filed by: _____

Copies of protests forwarded by _____

Hearing held by _____ Date _____

Recommended for approval denial by SMC 5.5

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. 22-7287, 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 February 1, 1984.
- c. Other: An access port of other device as specified by the Department shall be installed by the permit holder to provide for the installation of measuring equipment and the determination of the rate of diversion by the Department.

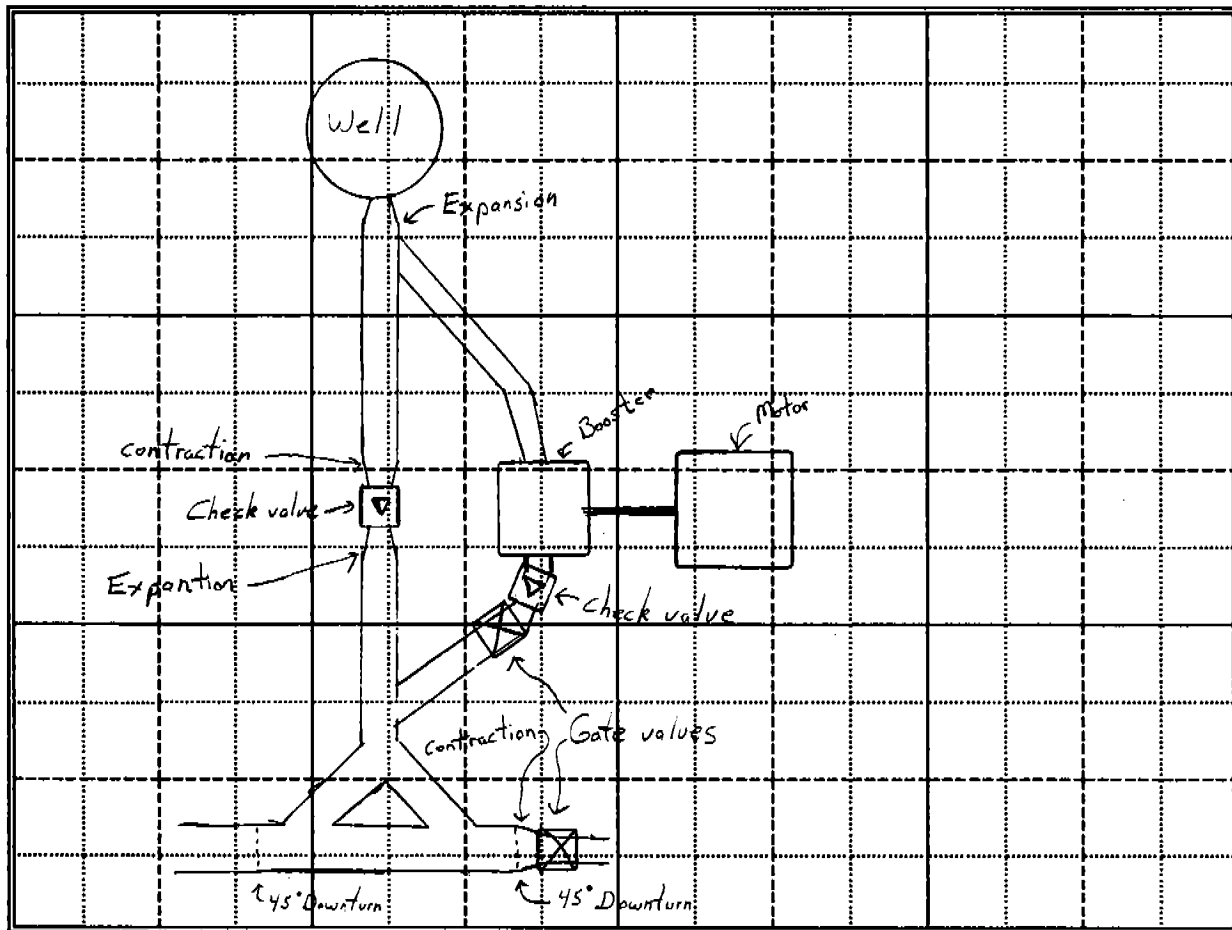
2. Denial of said application is for the following reasons: _____

Witness my hand this 23 day of February 19 79.

J. Glen Saxton
Chief, Operations Bureau

[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
Well	General Elect	500	HH5811017	Peerless	F21698
Booster	U.S. Motors	150	C1004949	Fairbanks Morris	KTFN100252

*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: [39 1/2" Cir 12.4 OD pipe] Measurement site ^{CIRC.} 50.5 = 16.074" ad
0.139" thick

ITEM C.2. PLACE OF USE (CONT)

LAND LIST ATTACHMENT

RECOMMEND LICENSING THE FOLLOWING PLACE OF USE

Description and location of place of use:

[illegible]

Total number of acres irrigated 600

THEORETICAL PUMP FLOW CALCULATIONS

Formula:

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

$$\begin{aligned} Hp &= \text{Horsepower} = \underline{500} \\ Eff &= \text{Efficiency} = \underline{70\%} \quad (\text{Usually } 70\%) \\ \text{Lift: } &(\text{Static Level} + \text{Assumed Draw down}) \\ &\text{Static Water Level} = \underline{430} \text{ ft.} \\ &\text{Assumed Draw down} = + \underline{150} \text{ ft.} \\ &\text{Lift} = \underline{580} \end{aligned}$$

OR

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

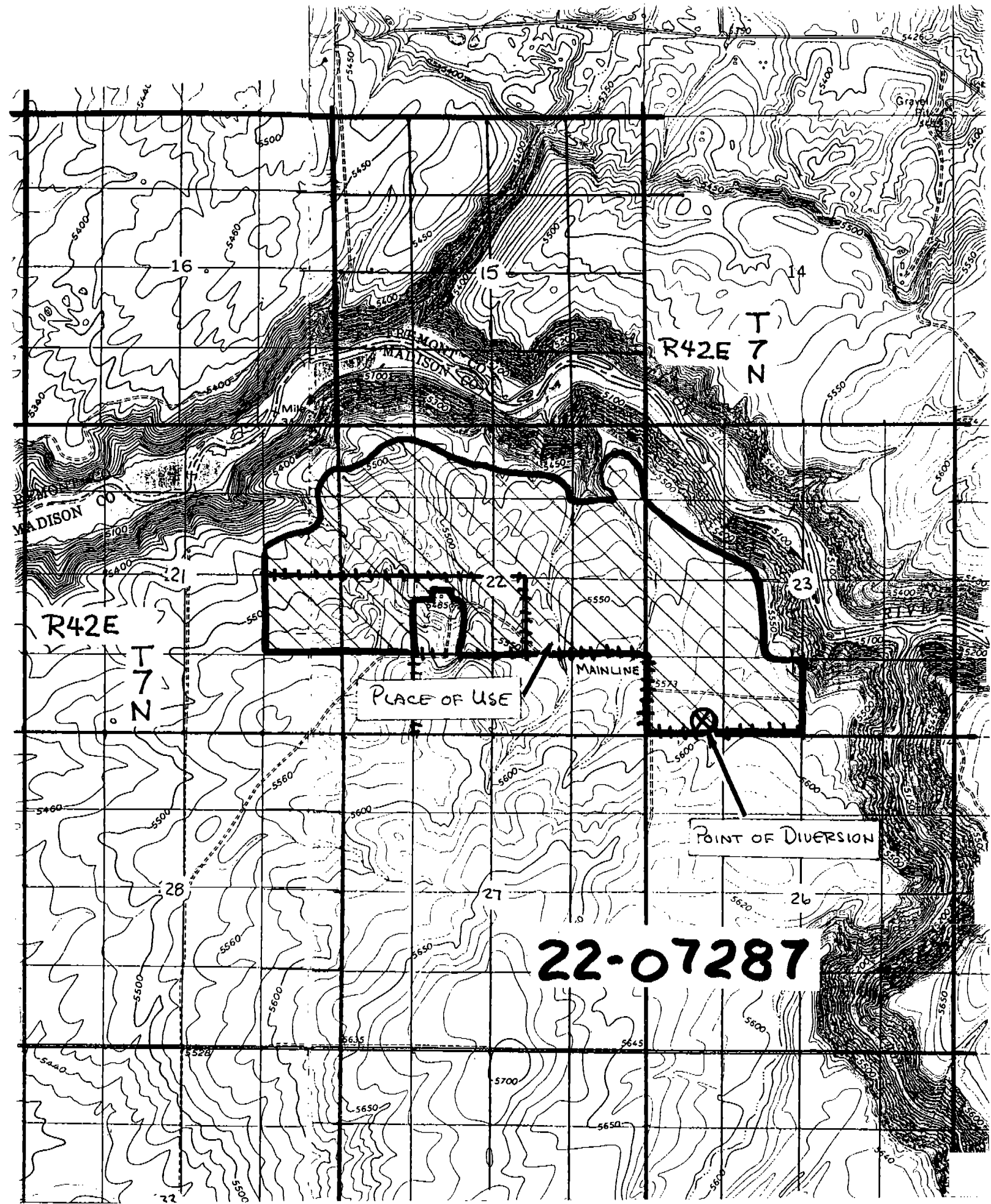
$$psi = \text{Operating Pressure} = \underline{10} \text{ psi}$$

$$Q_{cfs} = \left[\frac{500}{Hp} \times 8.814 \times \frac{0.70}{eff} \right] \div \left[\frac{580}{Lift} + \left(\frac{10}{psi} \times 2.308 \right) \right]$$

$$Q_{cfs} = \left[\underline{3084.9} \right] \div \left[\underline{603.08} \right]$$

$$Q_{cfs} = \underline{5.12} \text{ cfs}$$

PERMIT NO. 22-7287



22-07287

State of Idaho
DEPARTMENT OF WATER RESOURCES
SUPPLEMENTAL FIELD REPORT FOR ANNUBAR MEASUREMENT

Measured by: KEITH C WILSON

Date 7-17-95

Owner: DAVID SCHWENDIMAN

Permit No. 22-7287

Description of well &/or measuring site

- Include any clarifications of the sketch
- Include legal description if more than one p.d. is described in the Field Report

Measurement site is 100' west of pump on a portion of buried mainline that was close to ground surface

MEASURED INSIDE PIPE DIAMETER IN INCHES (ID)

CIR = Pipe Circumference in Inches = OD = 16.074"

T = Pipe Thickness in Inches = 0.139"

ID = 2 [(0.1592 X CIR) - T] = 15.796"

ANNUBAR DESCRIPTION & CONSTANT (C)

Size Used in Test 15.25"

State ID No. # 191170

Select C based on size from Table below.

Nominal Pipe Size	C
4"	4.23
6"	3.75
8"	3.87
10"	3.94
12"	3.99
14"- 16"	<u>4.01</u>
18"- 24"	4.02
30" or larger	4.03

C selected 4.01

DIFFERENTIAL PRESSURE READING IN INCHES OF H₂O (H)

High Reading =

Low Reading =

High - Low = H = 3.5"

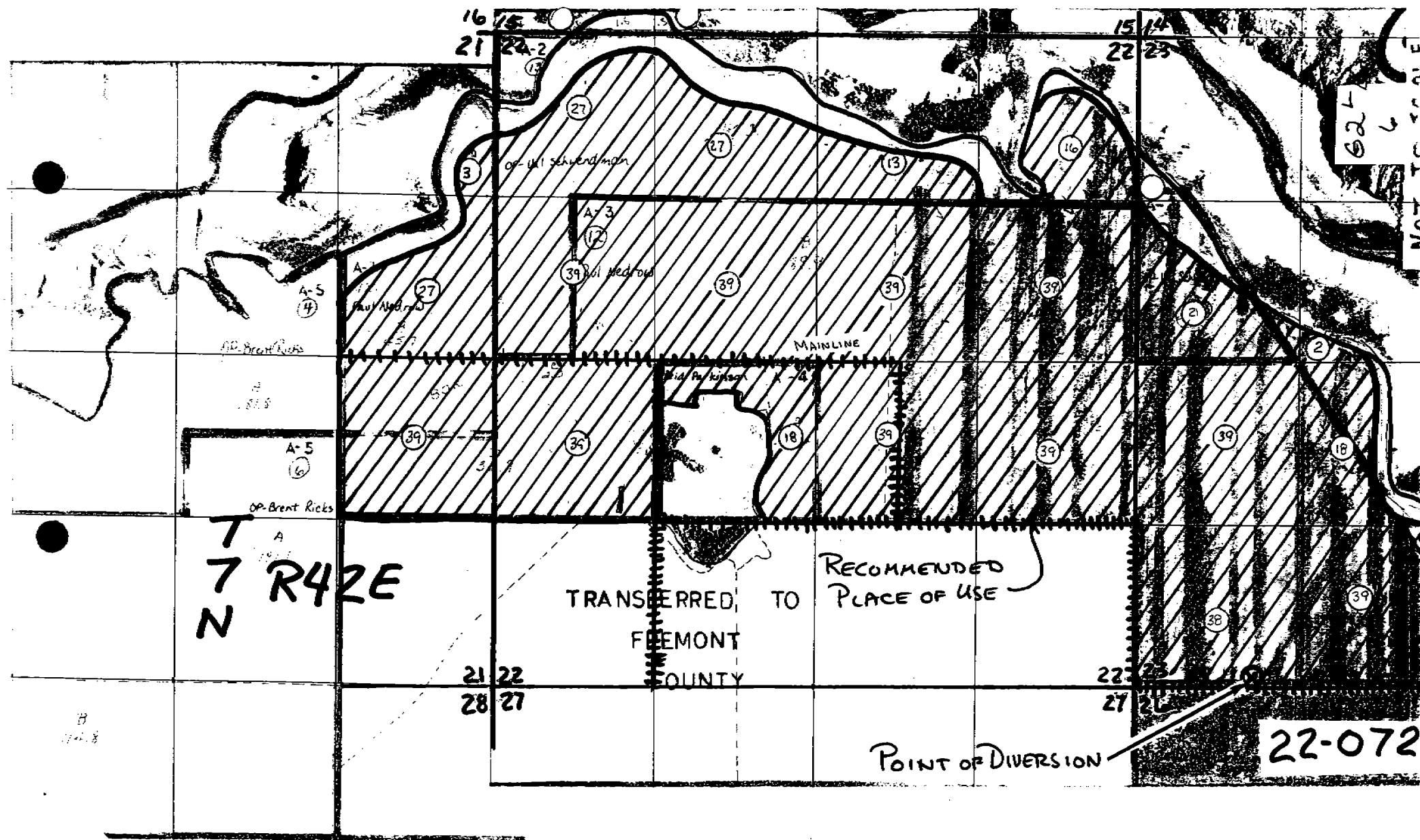
CALCULATION OF DISCHARGE IN CFS (Q)

$$Q = \frac{(ID)^2 \cdot (\sqrt{H}) \cdot (C)}{448.8}$$

1871.8 gpm

$$Q = \frac{(15.796)^2 \cdot (\sqrt{3.5}) \cdot (4.01)}{448.8} = \underline{4.17 \text{ CFS}}$$

SKETCH (If not shown on Field Report)



WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources, within 30 days after the completion or abandonment of the well.

RECORDED

1. WELL OWNER

Name Paul Nedrow
Address Rexburg Idaho
Owner's Permit No. 22-7287

2. WATER LEVEL

Static water level 430' feet below Eastern District Office
Flowing? ☐ Yes ☒ No G.P.M. flow
Temperature 65 ° F. Quality
Artesian closed-in pressure _____ p.s.i.
Controlled by ☐ Valve ☐ Cap ☐ Plug

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning)

3. WELL TEST DATA

☐ Pump ☐ Bailor ☐ Other

Discharge G.P.M. Draw Down Hours Pumped

3. PROPOSED USE

☐ Domestic ☒ Irrigation ☐ Test ☐ Other (specify type)
☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection

9. LITHOLOGIC LOG

Hole Diam.	Depth		Material	Wat. Yds.
	From	To		
20	0	15	brown clay	
	15	30	gray lava	
	30	50	green rhyolite	
	50	60	red green rhyolite + green ball	
	60	80	hard gray basalt	
	80	85	green + purple rhyolite	
	85	105	green rhyolite	
	105	130	gray basalt + green rhyolite	
	130	160	brown rhyolite + trace of clay	
	160	180	gray basalt	
	180	240	brown rhyolite + trace of clay	
	240	325	brown + gray rhyolite	x
	325	360	brown green + gray rhyolite	
	360	395	brown green + purple rhyolite	
	395	415	brown rhyolite	
	415	445	gray rhyolite	
	445	460	blue green rhyolite + clay	
	460	505	blue gray rhyolite + clay	
	505	540	brown rhyolite + trace of clay	
	540	575	very hard black rhyolite	
	575	645	sticky gumby clay	
16	645	685	gravel	
	685	695	very hard gray green rhyolite	
	695	735	very hard black rock	
	735	742	coarse green rhyolite	x
	742	745	packed gravel	x
	745	777	sticky gumby clay	
	777	830	hard black rock	
	830	835	clay	
	835	870	hard black rock	
	870	935	sticky gumby clay	
	935	940	solid clay	

4. METHOD DRILLED

☒ Cable ☐ Rotary ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 20 inches Total depth 940 feet
Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
<u>3.77</u> inches	<u>20</u> inches	<u>1</u> feet	<u>20</u> feet
<u>1.50</u> inches	<u>16</u> inches	<u>1</u> feet	<u>165</u> feet
<u>1.50</u> inches	<u>12</u> inches	<u>220</u> feet	<u>910</u> feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

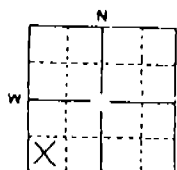
Was casing drive shoe used? ☒ Yes ☐ No
Was a packer or seal used? ☒ Yes ☐ No
Perforated? ☒ Yes ☐ No
How perforated? ☐ Factory ☒ Knife ☐ Torch
Size of perforation 2 inches by 3 inchesNumber 200 perforations From 630 feet To 660 feet
_____ perforations _____ feet _____ feet
_____ perforations _____ feet _____ feetWell screen installed? ☐ Yes ☒ No

Manufacturer's name _____ Type _____ Model No. _____

Diameter _____ Slot size _____ Set from _____ feet to _____ feet
Diameter _____ Slot size _____ Set from _____ feet to _____ feetGravel packed? ☐ Yes ☒ No Size of gravel _____
Placed from _____ feet to _____ feetSurface seal depth 19' Material used in seal ☐ Cement grout ☐ Pudding clay ☒ Well cuttingsSealing procedure used ☐ Sherry pit ☐ Temporary surface coating ☒ Overbore to seal depth

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____

Lot No. _____ Block No. _____

County MadisonS.W. 1/4 Sec. 23 T. 7 N. R. 42 E. W.10. Work started April 29 finished May 20

11. DRILLERS CERTIFICATION

Firm Name Rocky Mountain Drilling Firm No. 29Address Rexburg Idaho Date 6/3/75Signed by (Firm Official) Maurice Zanderand Arion Zander
(Operator)

2
2
SETUP NO. 1

PIPE O.D. 16.074 IN

PIPE WALL THICKNESS 0.139 IN

PIPE I.D. 15.796 IN

PIPE MATERIAL CARBON STEEL

PIPE SOUND VELOCITY 10597.129 F/S

LINER MATERIAL NONE

LINER SOUND VELOCITY 0.000 F/S

LINER THICKNESS 0.000 IN

INSIDE ABS ROUGHNESS 0.00015000

FLUID MATERIAL WATER

FLUID SOUND VELOCITY 4863.330 F/S

FLUID VISCOSITY 1.132 CSt

TRANSDUCER TYPE STANDARD

TRANSDUCER MOUNTING 0

TRANSDUCER SPACING 13.142 IN

FLOW 1357.427 GPM
2.222 F/S

SIGNAL STRENGTH UP
7

SIGNAL STRENGTH DOWN
7

FLOW 1411.353 GPM
2.311 F/S

FLOW 1384.838 GPM
2.267 F/S

FLOW 1373.917 GPM
2.249 F/S

FLOW 1410.392 GPM
2.309 F/S

FLOW 1422.357 GPM
2.328 F/S

FLOW 1431.413 GPM
2.343 F/S

FLOW 1443.341 GPM
2.363 F/S

2.343 F/S

1443.341 GPM
2.363 F/S

FLOW 1451.638 GPM
2.376 F/S

13:13:23 06-28-95

SCALE FACTOR = 0.990
OFFSET (GPM) = 0.000
nsec OFFSET = 7.17
usec OFFSET = 0.73
XMT_DET_DLY. = 17.85
AERATION FAC. = 1.00
XDUCE: STANDARD/U

WIN_DLY = 572.03 UP DOWN
SE>R = 1.47 0.73
BIAS = 0.57 0.57
AGC = 1.25 1.25
SIG_STG = 7.57 7.49
MISSED = 0 0
TIME(us) = 589.6 589.3
DEL TIME(ns) = 245.9
DIFF COUNT = 1017
P2X = 79
SPS = 10.56
AERATION = 0.000

FLUID (F/S) = 4863.33
REYNOLDS NO. = 256625
PROFILE FACTOR = 0.9448
FLOW: = 1452.868 GPM
2.378 F/S

FLOW 1457.076 GPM
2.385 F/S

ADJUSTING GAIN -
2.440 F/S

FLOW 1478.916 GPM
2.421 F/S

SIGNAL STRENGTH UP
7

SIGNAL STRENGTH DOWN
7

ADJUSTING GAIN -
2.433 F/S

FLOW 1485.841 GPM
2.432 F/S

FLOW 1488.958 GPM
2.437 F/S

FLOW 1490.839 GPM
2.440 F/S

FLOW 1491.729 GPM
2.442 F/S

FLOW 1515.296 GPM
2.480 F/S

FLOW 1547.168 GPM
2.533 F/S

FLOW 1512.705 GPM
2.478 F/S

22-7287

3.45 cfs

E. NARRATIVE/REMARKS/COMMENTS

Well pump, booster, mainline to lateral w/ sprinklers

BECAUSE OF PROBLEMS DEALING WITH OWNERSHIP OF THE WELL, NOTHING HAS BEEN DONE ABOUT THE SET OF BOWLS THAT ARE AT THE BOTTOM OF THE WELL. THEREFORE, I RECOMMEND USING THE THEORETICAL CAPACITY TO LICENSE THIS PERMIT THEN ALLOW THE PERMIT HOLDERS TO OBTAIN A DRILLING PERMIT TO EITHER DRILL THROUGH THE BOWLS OR TO DRILL A NEW WELL TO BRING THEIR DIVERSION SYSTEM UP TO THEORETICAL CAPACITY.

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