

November 20, 1998

**NOTICE OF ERROR
REPLY**

Please type or print clearly, fill out this form completely and mail.

Return this reply form to IDWR by the deadline date printed below if you want IDWR to change your recommendation or you want to let IDWR know that you agree with its recommendation.
YOUR DEADLINE FOR RETURNING A NOTICE OF ERROR REPLY IS: December 18, 1998

Water right number: 35-02490

BILL FUNK
3252 N PLEASANT VALLEY ROAD
AMERICAN FALLS ID 83211

Daytime Telephone Number:
Evening Telephone Number:

1. Describe the portion of the proposed recommendation with which you disagree (e.g. priority date, period of use, source):

2. Describe the changes you wish to make in the proposed recommendation:

3. Give a brief explanation as to why you disagree with these portions:

☒ I AGREE with this proposed recommendation; no changes need to be made.

DATE: 12-9-98 SIGNATURE: Bill Funk
Please print your name: Bill Funk

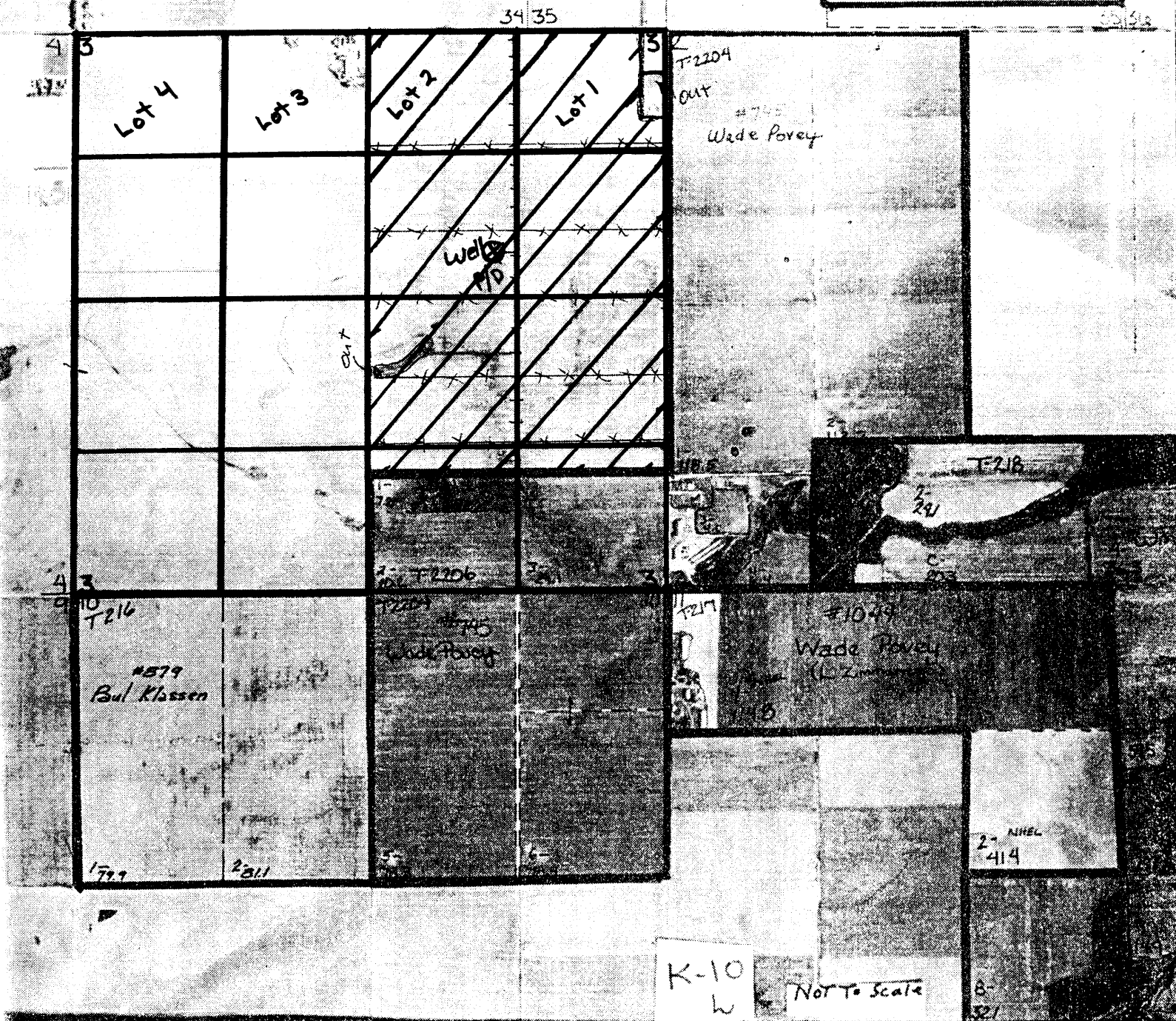
IDWR Eastern Regional Office, 900 N. Skyline Drive, Suite A, Idaho Falls, ID 83402-1718, (208) 525-7161

OF

R35-02490
T75, R30E, S3

$$\text{Scale} \approx \frac{1}{15360}$$

1-145.9



8-1-93

ACTION REQUIRED

FROM: H.W. JONES - Eastern

TO: Shelley Keen - Boise Adj. Staff

Attached is a copy of field exam for 35-08105
as per your request.

DWJ

Overlaps A35-02490

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

1. Owner: Bill Funk Farms Permit No. 35-08105
Current Address: 3252 N Pleasant Valley Rd. American Falls, Id 83211 Phone No. 226-5942
2. Accompanied by: Bill Funk EXAM. DATE: 6-12-91
Address: Same Phone No. Same
Relationship to Permit Holder: Owner
3. Source: ground water tributary to _____

B. OVERLAP REVIEW

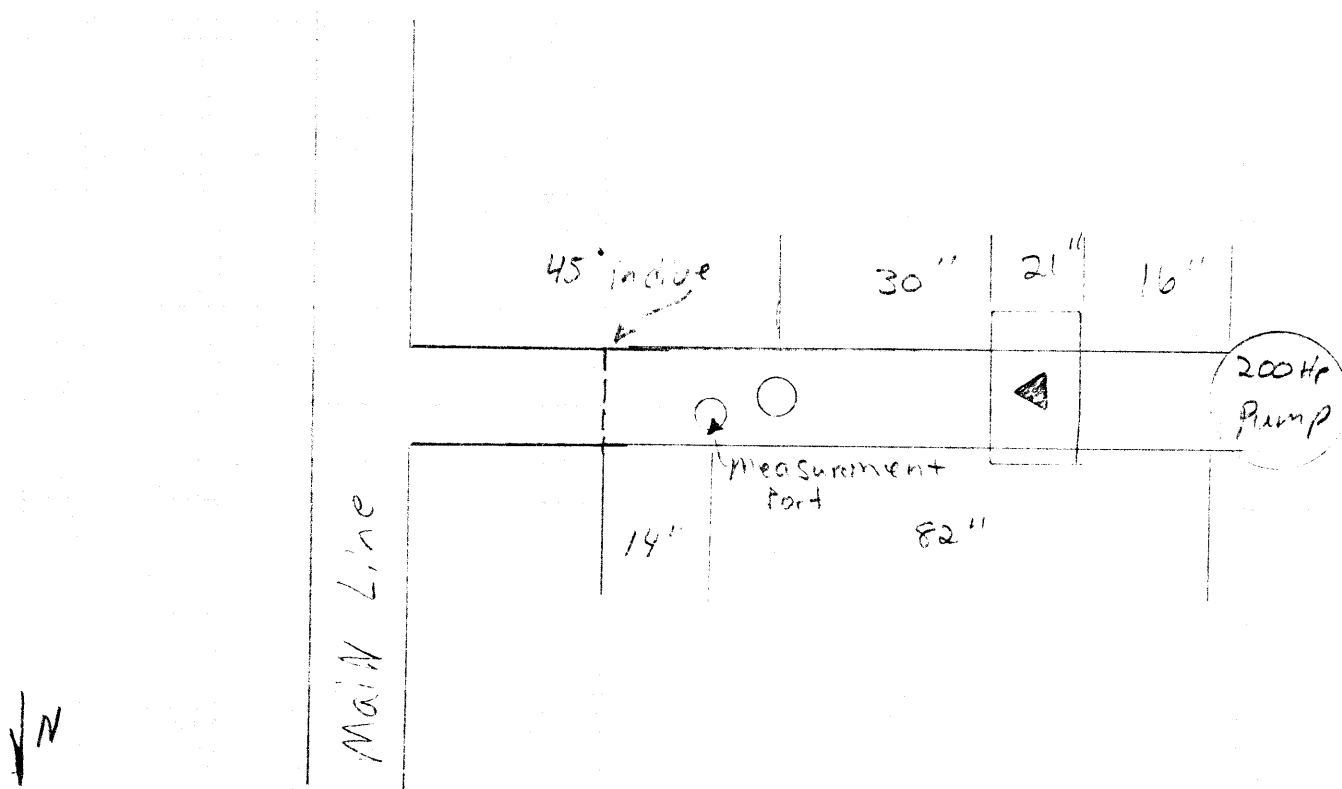
1. Other water rights with same place of use: 35-02490

☐ Copies Attached
2. Other water rights with same point of diversion: _____

☐ 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" = _____.

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).

3. Narrative: Description (As of _____ting at time of measurement. Indicate pre _____re, number of sprinklers, etc.)

200 Hp pump to 10" main line, to check valve to 45' indive to $\frac{3}{4}$ mile main line with 10 $\frac{1}{4}$ mile wheel lines with 33 birds each putting out 529pm.

Dynamic water level unknown, operating Pressure 78 PSI

☐ 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
#1	G.E.	200	613212113	Winttrath	10" discharge

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

5. Point(s) of Diversion:

Ident. No.	Gov't. Lot	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
			SW	NE	3	7S	30E	Power	Quad map + onsite Inspection

6. Place(s) of Use:

Indicate Method of Determination _____

Twp.	Rge.	Sec.	NE $\frac{1}{4}$				NW $\frac{1}{4}$				SW $\frac{1}{4}$				SE $\frac{1}{4}$				Totals
			NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	

Do not use this space

Do not use this space

D. FLOW MEASUREMENTS

☐ Additional Data Sheets Attached

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Hall meter	Pitot	Dieterich	—	120387	10.02	—
Flow Indicator	Manometer	IDWR	—	—	60"	—
Pressure Gage	Fluid	Rainbird	—	—	0-160'	—

2. Measurements:

See attached page

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

1. Measured Method:

2. Alternate Method for Checking Purposes:

$$10 \times 33 \times 5 \frac{1}{2} \text{ gpm} = \boxed{1815 \text{ gpm}}$$

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 Ampsx .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:

**State of Idaho
DEPARTMENT OF WATER RESOURCES
Cox/Hall Meter Flow Calculations**

DATE: _____

PERMIT # 35-08105

MANOMETER READING INCHES OF WATER TO COX/HALLS METER - Vh

	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
0	0.0	0.8	1.3	1.8	2.2	2.5	2.9	3.3	3.7	4.0
1	4.3	4.8	5.3	5.8	6.2	6.5	6.9	7.3	7.7	8.0
2	8.3	8.8	9.3	9.8	10.2	10.5	10.9	11.3	11.7	12.0
3	12.3	12.8	13.3	13.8	14.2	14.5	14.9	15.3	15.7	16.0
4	16.3	16.8	17.3	17.8	18.2	18.5	18.9	19.3	19.7	20.0
5	20.3	20.8	21.3	21.8	22.2	22.5	22.9	23.3	23.7	24.0
6	24.3	24.8	25.3	25.8	26.2	26.5	26.9	27.3	27.7	28.0
7	28.3	28.8	29.3	29.8	30.2	30.5	30.9	31.3	31.7	32.0
8	32.3	32.8	33.3	33.8	34.2	34.5	34.9	35.3	35.7	36.0
9	36.3	36.8	37.3	37.8	38.2	38.5	38.9	39.3	39.7	40.0
10	40.3	40.8	41.3	41.8	42.2	42.5	42.9	43.3	43.7	44.0
11	44.3	44.8	45.3	45.8	46.2	46.5	46.9	47.3	47.7	48.0
12	48.3	48.8	49.3	49.8	50.2	50.5	50.9	51.3	51.7	52.0
13	52.3	52.8	53.3	53.8	54.2	54.5	54.9	55.3	55.7	56.0
14	56.3	56.8	57.3	57.8	58.2	58.5	58.9	59.3	59.7	60.0
15	60.3	60.8	61.3	61.8	62.2	62.5	62.9	63.3	63.7	64.0
16	64.3	64.8	65.3	65.8	66.2	66.5	66.9	67.3	67.7	68.0
17	68.3	68.8	69.3	69.8	70.2	70.5	70.9	71.3	71.7	72.0
18	72.3	72.8	73.3	73.8	74.2	74.5	74.9	75.3	75.7	76.0
19	76.3	76.8	77.3	77.8	78.2	78.5	78.9	79.3	79.7	80.0
20	80.3	80.8	81.3	81.8	82.2	82.5	82.9	83.3	83.7	84.0
21	84.3	84.8	85.3	85.8	86.2	86.5	86.9	87.3	87.7	88.0
22	88.3	88.8	89.3	89.8	90.2	90.5	90.9	91.3	91.7	92.0
23	92.3	92.8	93.3	93.8	94.2	94.5	94.9	95.3	95.7	96.0
24	96.3	96.8	97.3	97.8	98.2	98.5	98.9	99.3	99.7	100.0
25	100.3	100.8	101.3	101.8	102.2	102.5	102.9	103.3	103.7	104.0
26	104.3	104.8	105.3	105.8	106.2	106.5	106.9	107.3	107.7	108.0
27	108.3	108.8	109.3	109.8	110.2	110.5	110.9	111.3	111.7	112.0
28	112.3	112.8	113.3	113.8	114.2	114.5	114.9	115.3	115.7	116.0
29	116.3	116.8	117.3	117.8	118.2	118.5	118.9	119.3	119.7	120.0
30	120.3	120.8	121.3	121.8	122.2	122.5	122.9	123.3	123.7	124.0
31	124.3	124.8	125.3	125.8	126.2	126.5	126.9	127.3	127.7	128.0
32	128.3	128.8	129.3	129.8	130.2	130.5	130.9	131.3	131.7	132.0
33	132.3	132.8	133.3	133.8	134.2	134.5	134.9	135.3	135.7	136.0
34	136.3	136.8	137.3	137.8	138.2	138.5	138.9	139.3	139.7	140.0
35	140.3	140.8	141.3	141.8	142.2	142.5	142.9	143.3	143.7	144.0
36	144.3	144.8	145.3	145.8	146.2	146.5	146.9	147.3	147.7	148.0
37	148.3	148.8	149.3	149.8	150.2	150.5	150.9	151.3	151.7	152.0
38	152.3	152.8	153.3	153.8	154.2	154.5	154.9	155.3	155.7	156.0
39	156.3	156.8	157.3	157.8	158.2	158.5	158.9	159.3	159.7	160.0
40	160.3	160.8	161.3	161.8	162.2	162.5	162.9	163.3	163.7	164.0
41	164.3	164.8	165.3	165.8	166.2	166.5	166.9	167.3	167.7	168.0
42	168.3	168.8	169.3	169.8	170.2	170.5	170.9	171.3	171.7	172.0
43	172.3	172.8	173.3	173.8	174.2	174.5	174.9	175.3	175.7	176.0
44	176.3	176.8	177.3	177.8	178.2	178.5	178.9	179.3	179.7	180.0
45	180.3	180.8	181.3	181.8	182.2	182.5	182.9	183.3	183.7	184.0
46	184.3	184.8	185.3	185.8	186.2	186.5	186.9	187.3	187.7	188.0
47	188.3	188.8	189.3	189.8	190.2	190.5	190.9	191.3	191.7	192.0
48	192.3	192.8	193.3	193.8	194.2	194.5	194.9	195.3	195.7	196.0
49	196.3	196.8	197.3	197.8	198.2	198.5	198.9	199.3	199.7	200.0
50	200.3	200.8	201.3	201.8	202.2	202.5	202.9	203.3	203.7	204.0
51	204.3	204.8	205.3	205.8	206.2	206.5	206.9	207.3	207.7	208.0
52	208.3	208.8	209.3	209.8	210.2	210.5	210.9	211.3	211.7	212.0
53	212.3	212.8	213.3	213.8	214.2	214.5	214.9	215.3	215.7	216.0
54	216.3	216.8	217.3	217.8	218.2	218.5	218.9	219.3	219.7	220.0
55	220.3	220.8	221.3	221.8	222.2	222.5	222.9	223.3	223.7	224.0
56	224.3	224.8	225.3	225.8	226.2	226.5	226.9	227.3	227.7	228.0
57	228.3	228.8	229.3	229.8	230.2	230.5	230.9	231.3	231.7	232.0
58	232.3	232.8	233.3	233.8	234.2	234.5	234.9	235.3	235.7	236.0
59	236.3	236.8	237.3	237.8	238.2	238.5	238.9	239.3	239.7	240.0
60	240.3	240.8	241.3	241.8	242.2	242.5	242.9	243.3	243.7	244.0
61	244.3	244.8	245.3	245.8	246.2	246.5	246.9	247.3	247.7	248.0
62	248.3	248.8	249.3	249.8	250.2	250.5	250.9	251.3	251.7	252.0
63	252.3	252.8	253.3	253.8	254.2	254.5	254.9	255.3	255.7	256.0
64	256.3	256.8	257.3	257.8	258.2	258.5	258.9	259.3	259.7	260.0
65	260.3	260.8	261.3	261.8	262.2	262.5	262.9	263.3	263.7	264.0
66	264.3	264.8	265.3	265.8	266.2	266.5	266.9	267.3	267.7	268.0
67	268.3	268.8	269.3	269.8	270.2	270.5	270.9	271.3	271.7	272.0
68	272.3	272.8	273.3	273.8	274.2	274.5	274.9	275.3	275.7	276.0
69	276.3	276.8	277.3	277.8	278.2	278.5	278.9	279.3	279.7	280.0
70	280.3	280.8	281.3	281.8	282.2	282.5	282.9	283.3	283.7	284.0
71	284.3	284.8	285.3	285.8	286.2	286.5	286.9	287.3	287.7	288.0
72	288.3	288.8	289.3	289.8	290.2	290.5	290.9	291.3	291.7	292.0
73	292.3	292.8	293.3	293.8	294.2	294.5	294.9	295.3	295.7	296.0
74	296.3	296.8	297.3	297.8	298.2	298.5	298.9	299.3	299.7	300.0
75	300.3	300.8	301.3	301.8	302.2	302.5	302.9	303.3	303.7	304.0
76	304.3	304.8	305.3	305.8	306.2	306.5	306.9	307.3	307.7	308.0
77	308.3	308.8	309.3	309.8	310.2	310.5	310.9	311.3	311.7	312.0
78	312.3	312.8	313.3	313.8	314.2	314.5	314.9	315.3	315.7	316.0
79	316.3	316.8	317.3	317.8	318.2	318.5	318.9	319.3	319.7	320.0
80	320.3	320.8	321.3	321.8	322.2	322.5	322.9	323.3	323.7	324.0
81	324.3	324.8	325.3	325.8	326.2	326.5	326.9	327.3	327.7	328.0
82	328.3	328.8	329.3	329.8	330.2	330.5	330.9	331.3	331.7	332.0
83	332.3	332.8	333.3	333.8	334.2	334.5	334.9	335.3	335.7	336.0

COX/HALL
METER #

SYSTEM NAME/NUMBER Field #1 Idaho
Power #531

MEASURED INSIDE PIPE DIAMETER IN INCHES (ID)

Circumference in Inches = 31.4 CIR

Thickness in Inches = .135 T

ID = (0.3183 X CIR) - (2 T) = 9.73 ID

DIFFERENTIAL PRESSURE READING IN INCHES OF H2O

() - () = H

() - () = H

() - () = H

(54.2) - (30.0) = 24.2 H

High reading - Low Reading

DETERMINE Vh FROM CHART USING (H): 24.2 Vh
(Example H = 12.3, Vh = 16.9)

CALCULATION OF FLOW IN CFS:

Q cfs = [(π /4) X (id)² X Vh] / 448.8

(id) (Vh)

Q cfs = [0.78539 (9.73)² (24.2)] / 448.8

Q cfs = 4.01 cfs

Q cfs = _____ cfs

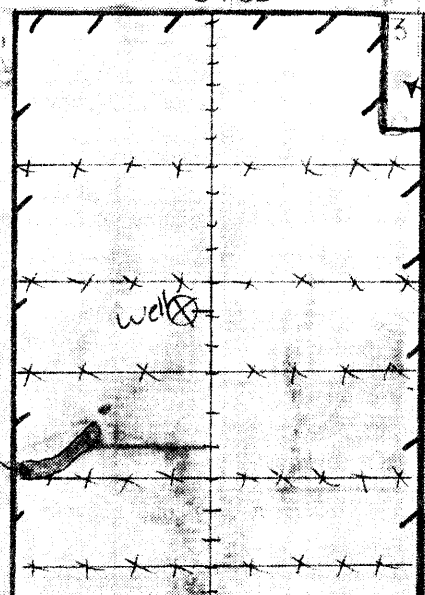
1799.4 gpm

May B...
MEASURED BY

Ray Hunter
J. D. Hines
1-145.9

34 35

4 3



T2204
OUT
#745
Wade Parry

4 3

T216
#579
Bul Klassen

T2206
T2207
#715
Wade Parry

T218
#24
C. 213

T217
#1044
Wade Parry
(L. 211)

2- NHSL
414

K-10
W

NOT TO SCALE

8-
321

State of Idaho

License and Certificate of Water Right

Water License No. G-26704Amount 3.16 c.f.s.

Water District No. _____

Priority January 15, 1957

THIS IS TO CERTIFY that GEORGE L. FUNK
 of American Falls, Idaho, made application for a permit to appropriate the
 public waters of the State of Idaho, dated January 15, 19 57; that Permit No. G-26704
 was issued under said application; that Certificate of Completion of works, with a carrying capacity of
3.16 second feet, was issued thereunder on August 2, 19 61, showing that said works
 were completed on the 25th day of November, 19 58; and that on the 25th
 day of November, 19 58.

GEORGE L. FUNK

of American Falls, State of Idaho, made proof to the satisfaction of the
 State Reclamation Engineer of Idaho, of the right to use the waters of a well
 , a tributary of subterranean flow , for the purpose of irrigation
 , under Use Permit No. G-26704 of the Department of Reclamation
 and that said right to the use of said waters has been perfected in accordance with the laws of Idaho,
 and is hereby confirmed by the State Reclamation Engineer of Idaho and entered of record in Volume
11 of Licenses at page 7124, on the 2nd day of August, 19 61;
 The right hereby confirmed dates from January 15, 19 57;

The Point of Diversion is located

In the SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 3, Tp. 7 S, R. 30 E, B. M. Power County

That the amount of water to which such right is entitled and hereby confirmed, for the purposes
 aforesaid, is limited to an amount actually needed and beneficially used for said purposes, and shall
 not exceed 3.16 cubic feet per second.

Description and location of use:

Twp.	Range	Sec.	Forty-acre Tract	No. Acres Described in Permit	No. Acres Actually Irrigated
7 S	30 E	3	NE $\frac{1}{4}$ NE $\frac{1}{4}$	40	40
			NW $\frac{1}{4}$ NE $\frac{1}{4}$	40	40
			SW $\frac{1}{4}$ NE $\frac{1}{4}$	40	40
			SE $\frac{1}{4}$ NE $\frac{1}{4}$	40	40
			NE $\frac{1}{4}$ SE $\frac{1}{4}$	40	40
			NW $\frac{1}{4}$ SE $\frac{1}{4}$	40	40
			Total number of acres to be irrigated:		

The right to the use of the water aforesaid hereby confirmed is restricted to the lands or place
 of use herein described, as provided by the laws of Idaho.

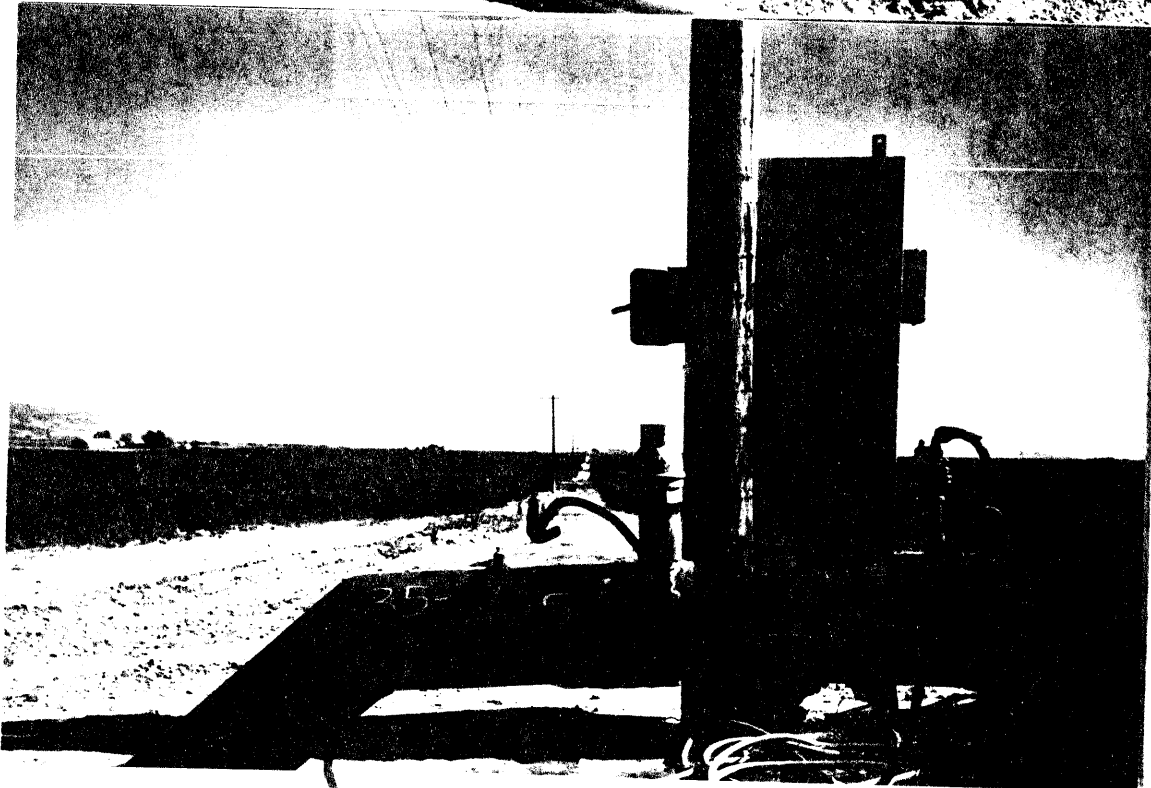
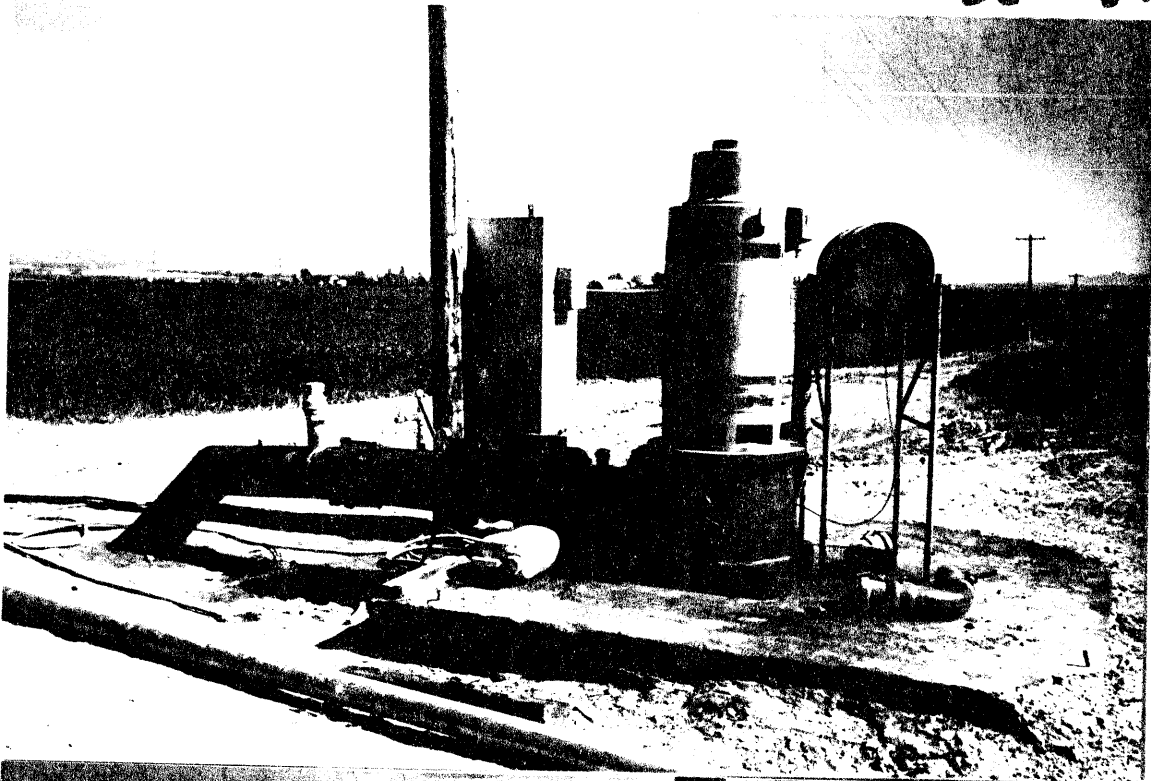
WITNESS the seal and signature of the State Reclamation Engineer, affixed at Boise, Idaho, this
2nd day of August, 19 61.

/s/ RALPH W. THOMAS

Deputy State Reclamation Engineer.

(SEAL)

35-8105



measurement Port

57' 30"

341

342

343

55'

344

4563

4531

4478

WEST

WEST

Well 4464

4501

2300

SOUTH

Well 4502

4547

2
+

R35-02490
T7S, R30E, S.3

33

240 ACRES
3.16 cfs
960 AFY

4511

↓

Well 4468

NORTH

EVERETT

VALLEY

ROAD

4465

Lot 2

Lot 1

4484

10

2

4480

4493

L

L

4486

4456

4463

Well 4463

10

11

Well

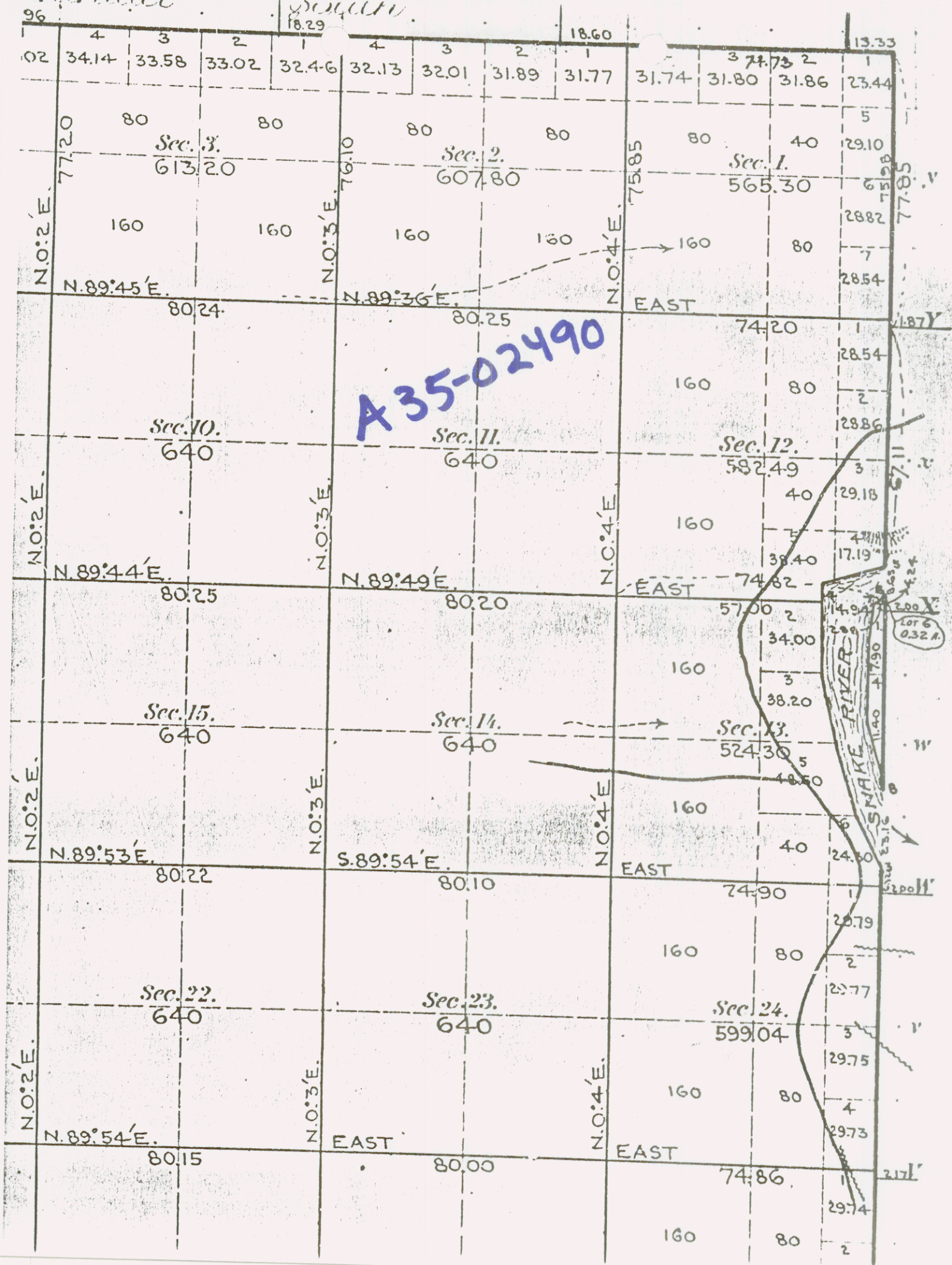
PLEASANT

VALLEY

ROAD

4540

4490



State of Idaho License and Certificate of Water Right

Water License No. G-26704

Amount 3.16 c.f.s.

Water District No.

Priority January 15, 1957

THIS IS TO CERTIFY that

GEORGE L. FUNK

of American Falls, Idaho, made application for a permit to appropriate the public waters of the State of Idaho, dated January 15, 1957; that Permit No. G-26704 was issued under said application; that Certificate of Completion of works, with a carrying capacity of 3.16 second feet, was issued thereunder on August 2, 1961, showing that said works were completed on the 25th day of November, 1958; and that on the 25th day of November, 1958,

GEORGE L. FUNK

of American Falls, State of Idaho, made proof to the satisfaction of the State Reclamation Engineer of Idaho, of the right to use the waters of a well, a tributary of subterranean flow, for the purpose of irrigation, under Use Permit No. G-26704 of the Department of Reclamation and that said right to the use of said waters has been perfected in accordance with the laws of Idaho, and is hereby confirmed by the State Reclamation Engineer of Idaho and entered of record in Volume 11 of Licenses at page 7124, on the 2nd day of August, 1961; The right hereby confirmed dates from January 15, 1957;

The Point of Diversion is located

in the SW 1/4 NE 1/4, Sec. 3, Tp. 7 S., R. 30 E., B. M. Power County

That the amount of water to which such right is entitled and hereby confirmed, for the purposes aforesaid, is limited to an amount actually needed and beneficially used for said purposes, and shall not exceed 3.16 cubic feet per second.

Description and location of use:

Twp.	Range	Sec.	Forty-acre Tract	No. Acres Described in Permit	No. Acres Actually Irrigated
7 S	30 E	3	NE 1/4 NE 1/4	40	40
			NW 1/4 NE 1/4	40	40
			SW 1/4 NE 1/4	40	40
			SE 1/4 NE 1/4	40	40
			NE 1/4 SE 1/4	40	40
			NW 1/4 SE 1/4	40	40
			Total number of acres to be irrigated:		240

The right to the use of the water aforesaid hereby confirmed is restricted to the lands or place of use herein described, as provided by the laws of Idaho.

WITNESS the seal and signature of the State Reclamation Engineer, affixed at Boise, Idaho, this 2nd day of August, 1961

/s/ RALPH W. THOMAS

Deputy State Reclamation Engineer

(SEAL)

MICROFILMED

DBS 121032