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Department of Water Resources

A. GENERAL INFORMATION

Permit No. 47-08268A

1. Owner: Sack Wright / Randy Anderson

Phone No. 733-2717

Current Address: 2862 Addison Ave. E.

2. Accompanied by: Randy Anderson

EXAM DATE: 7-30-93

Address: _____ Phone No. _____

Relationship to Permit Holder:

3. Source: groundwater tributary to

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 47-08226, TFCC Shares

2. Other water rights with the same point of diversion: NONE

C. DIVERSION AND DELIVERY SYSTEM

1. Point(s) of Diversion:

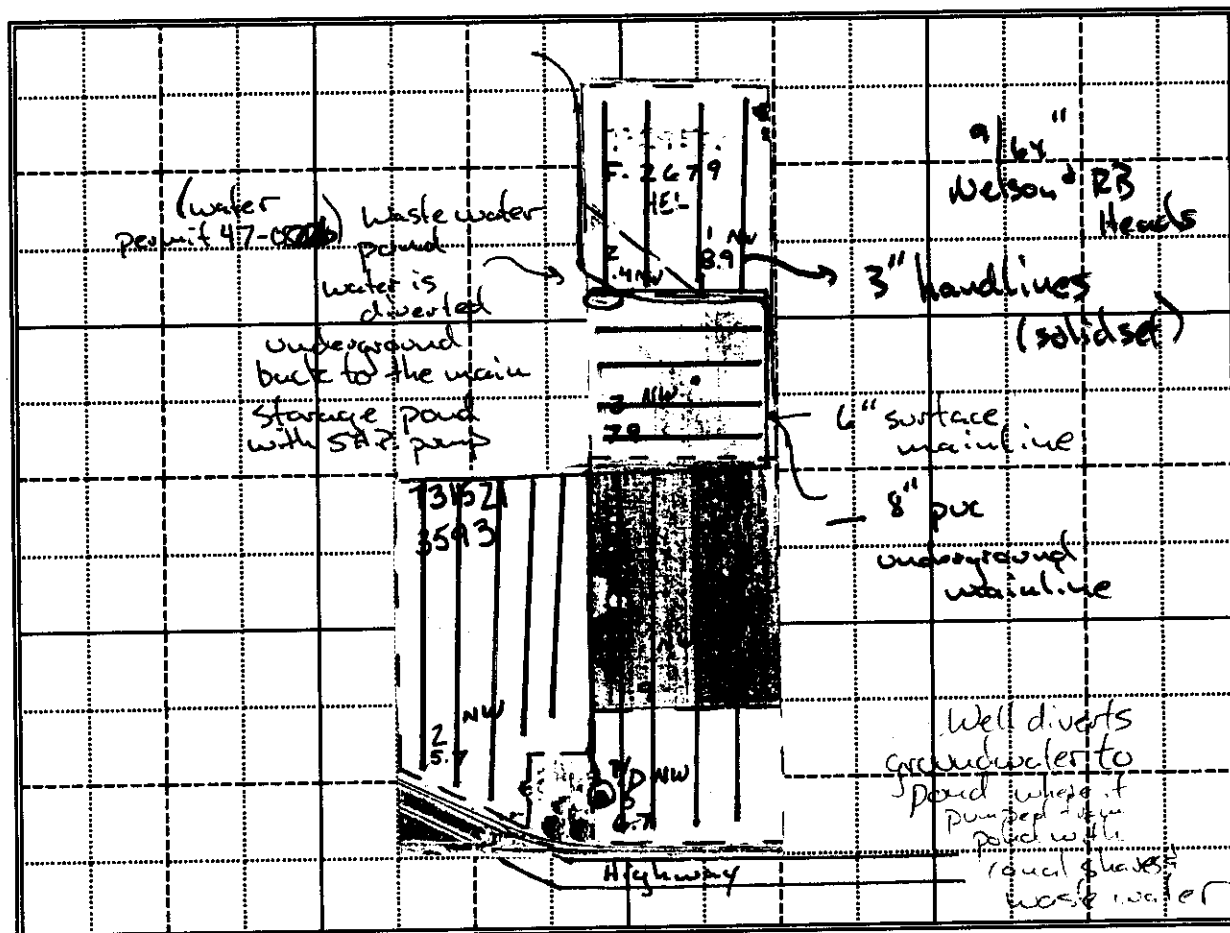
[illegible]

2. Place(s) of Use:

Indicate Method of Determination Aerial Photo

[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" = 660' on map

☒ 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
	?	15	Model # 1355-130-9		

*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
Ultrasonic flowmeter	Tycoflex	Polysonic	TF-P	N7H5506		

2. **Measurements:** With the polysonic's ultrasonic flowmeter, I measured a diversion rate of 1 gpm or 0. cfs.

E. NARRATIVE/REMARKS/COMMENTS

see attached sheet

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

F. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

Measured Method:

Pump installer said pump was designed for a
capacity of around 150 gpm

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = (34 \text{ acres}) \times (4.0 \text{ cfs/acre}) = 136 \text{ cfs}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = (0.29 \text{ cfs}) (214 \text{ days}) (1.9835) = 123 \text{ cfs}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 123 \text{ cfs}$$

2. Volume Calculations for Other Uses:

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Irrigation	4/1	10/31	0.29 cfs	123 cfs
Totals:			0.29 cfs	123 cfs

2. Recommended Amendments

___ Change P.D. as reflected above ___ Add P.D. as reflected above ☒ None
___ Change P.U. as reflected above ___ Add P.U. as reflected above ___ Other

I. AUTHENTICATIONField Examiner's Name Brett Barry Date 8-5-93

Reviewer _____ Date _____

SEAL

DATE: August 5, 1993

FROM: Brett Barry

SUBJECT: P47-08268A Field Examination-Narrative/Comments

On July 30, 1993, the field examination for the above permit was conducted. Randy Anderson, one of the permit holders, accompanied myself during this examination.

The original permit, 47-08268, was amended and the water permit was split. The amendment called for changing part of the place of use of the original acres.

This permit applied for 37 acres of irrigation for 0.74 cfs. With the Polysonics ultrasound flowmeter, I measured a diversion rate of 131 gpm or 0.29 cfs from the well into the storage pond. The pump installer said the submersible pump was designed to produce around 150 gpm. On the ASCS aerial photo, I found the actual irrigated acres on this permit to be 34 acres.

This 8 in. well has a 15 H.P. submersible pump set at 339 ft according to Elsing Drilling. The groundwater is pumped directly to a storage pond(open discharge)(there it mixes with canal water(TFCC) and waste water(P47-08226). The headgate for the canal water is approximately a quarter mile south of this storage pond on another sod farm. The waste water is collected in a small pond about 3/8 of a mile north of this storage pond. The waste water is diverted underground (6 in mainline) with a 5 H.P. (Marathon Electric) pump to the storage pond. All of the water is then pressurized and rediverted from the storage pond with a 25 H.P. pump(Marathon Electric, Cornell Pump Ser #62043). 3 in handlines that are solid set run off a 6 in surface mainline(see system diagram). Most sprinkler heads are Nelson or Rainbird and have 9/64 in nozzles.

A well log is attached.

Condition:

This permit when combined with all other rights on the same P/U shall not exceed 0.02 cfs and 4.0 afa per acre.

Ultrasonic
Flowmeter

P47-08268A

Results

MODE SELECT INPUT 7-30-93
OUTER DIAMETER 3.5523 IN 11:45 A.M.
PIPE MATERIAL ? PVC
WALL THICKNESS 0.2871 IN 82.8. 7-30-93
INNER LINING ? NO LING.
KIND OF FLUID ? WATER
SENSOR MOUNTING ? U
TYPE OF SENSOR ? SMALL
DATA CHANGE ? NO
SPACING 1.853 IN U
ZERO MODE CLEAR
ZERO MODE AUT ZERO
ZERO MODE ZERO OPR
07-30 11:4800 *R
+003.10 % A12
MODE SELECT TO CHECK
DAMPING SET 15 SEC 102.57%
MODE SELECT INPUT
OUTER DIAMETER 3.5524 IN
PIPE MATERIAL ? PVC
WALL THICKNESS 0.2871 IN
INNER LINING ? NO LING.
KIND OF FLUID ? ANOTHER
SOUND VELOCITY 1440 M/S
SENSOR MOUNTING ? U
TYPE OF SENSOR ? SMALL
DATA CHANGE ? NO
SPACING 1.767 IN U
ZERO MODE CLEAR
ZERO MODE AUT ZERO
ZERO MODE ZERO OPR
DAMPING SET 15 SEC
MODE SELECT TO CHECK
0119.6 MMSEC
099.78 % T0
07-30 11:5700 *R }
+ 1.300E 26PM }
07-30 11:5800 *R
+003.10 % A12
07-30 11:5800 *R } Avg.
+ 1.310E 26PM } 131gpm
07-30 12:0100 *R } or
+ 1.313E 26PM } 0.29
07-30 12:0100 *R } cts
+ 1.313E 26PM }

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.

1. WELL OWNER

Name Jack Wright & Randy Anderson
Address P.O. Box DD Kimberly, ID 83341
Drilling Permit No. 47-92-S-075
Water Right Permit No. 47-08268

2. NATURE OF WORK

- ☒ New well ☐ Deepened ☐ Replacement
☐ Well diameter increase ☐ Modification
☐ Abandoned (describe abandonment or modification procedures such as liners, screen, materials, plug depths, etc. in lithologic log, section 9.)

3. PROPOSED USE

- ☐ Domestic ☒ Irrigation ☐ Monitor
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

- ☒ Rotary ☒ Air ☐ Auger ☐ Reverse rotary
☐ Cable ☐ Mud ☐ Other _____
(backhoe, hydraulic, etc.)

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness .250 inches Diameter 8 inches From 1 feet To 43 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 ☐ Gun

Size of perforation? _____ inches by _____ inches

Number _____ From _____ To _____

_____ perforations _____ feet _____ feet

_____ perforations _____ feet _____ feet

_____ perforations _____ feet _____ feet

Well screen installed? ☐ Yes ☒ No

Manufacturer _____ Type _____

Top Packer or Headpipe _____

Bottom of Tailpipe _____

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____

Placed from _____ feet to _____ feet

Surface seal depth 43' Material used in seal: ☐ Cement grout

☒ Bentonite ☐ Puddling clay ☐ _____

Sealing procedure used: ☐ Slurry pit

☐ Temp. surface casing ☒ Overbore to seal depth

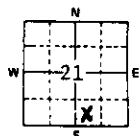
Method of joining casing: ☐ Threaded ☒ Welded

☐ Solvent Weld ☐ Cemented between strata

Describe access port _____ Well cap _____

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____

Lot No. _____ Block No. _____

County Twin Falls

SW 1/4 SE 1/4 Sec. 21 T. 10 N ☐ E ☒
S ☒ R. 18 W ☐

7. WATER LEVEL

Static water level 190 feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ °F. Quality _____
Describe artesian or temperature zones below.

8. WELL TEST DATA

☐ Pump ☐ Bailer ☐ Air ☐ Other _____

Discharge G.P.M. _____ Pumping Level _____ Hours Pumped _____

9. LITHOLOGIC LOG

Bore Diam.	Depth		Material	Water	
	From	To		Yes	No
12"	0	10	Topsoil		x
	10	40	Brown clay		x
	40	43	Lava		x
8"	43	54	Lava		x
	54	60	Red cinders & red clay		x
	60	126	Lava		x
	126	135	Red cinders (no circulation)		
	135	140	Lava		x
	140	146	Red cinders		x
	146	170	Lava		x
	170	175	Red cinders		x
	175	212	Lava		x
	212	221	Red cinders	x	
	221	254	Lava		x
	254	260	Cinders	x	
	260	295	Lava		x
	295	315	Red cinders & water talc	x	
	315	330	Lava		x
	330	345	Red cinders & water talc	x	
	345	368	Lava		x
	368	376	Cinders	x	
	376	385	Lava		x
	385	390	Cinders	x	
	390	400	Lava		x

10.

Work started May 15, 1992 finished May 16, 1992

11. DRILLER'S CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Elsing Drilling Firm No. 31

P.O. Box 919

Address Twin Falls, ID 83301 Date 5-20-92

Signed by Drilling Supervisor Arnold Elsing

and

(Operator) Mark Elsing

(If different than the Drilling Supervisor)

SW/SE
T10S R18E S21

BUHL 21 MI
TWIN FALLS (COURTHOUSE) 5

TS LOS
R 18 E
S 21

Towers
(KLIX)

Redcap
Corner

U.S. Department of Agriculture
and University of Idaho
Research Center

PERMIT 47-082684 INIT B.R.B.

T. 10 S. R. 18 E. S. 21

P/D 105 18 E 21 S WSE

SCALE 1" = 2000'

PHOTO ID.

Kimberly

Aces on whole
Sec for sale

Aces on this permit
P/D

Storage
Bins

Athletic
Field

Trailer
Park

Metering
Station

PIPELINE

TWIN FALLS G.W.M.A.

T. 10 S.

T. 11 S.

NORTH

ROAD

42°30'

114°22'30"

400 000 FEET

717

718

719

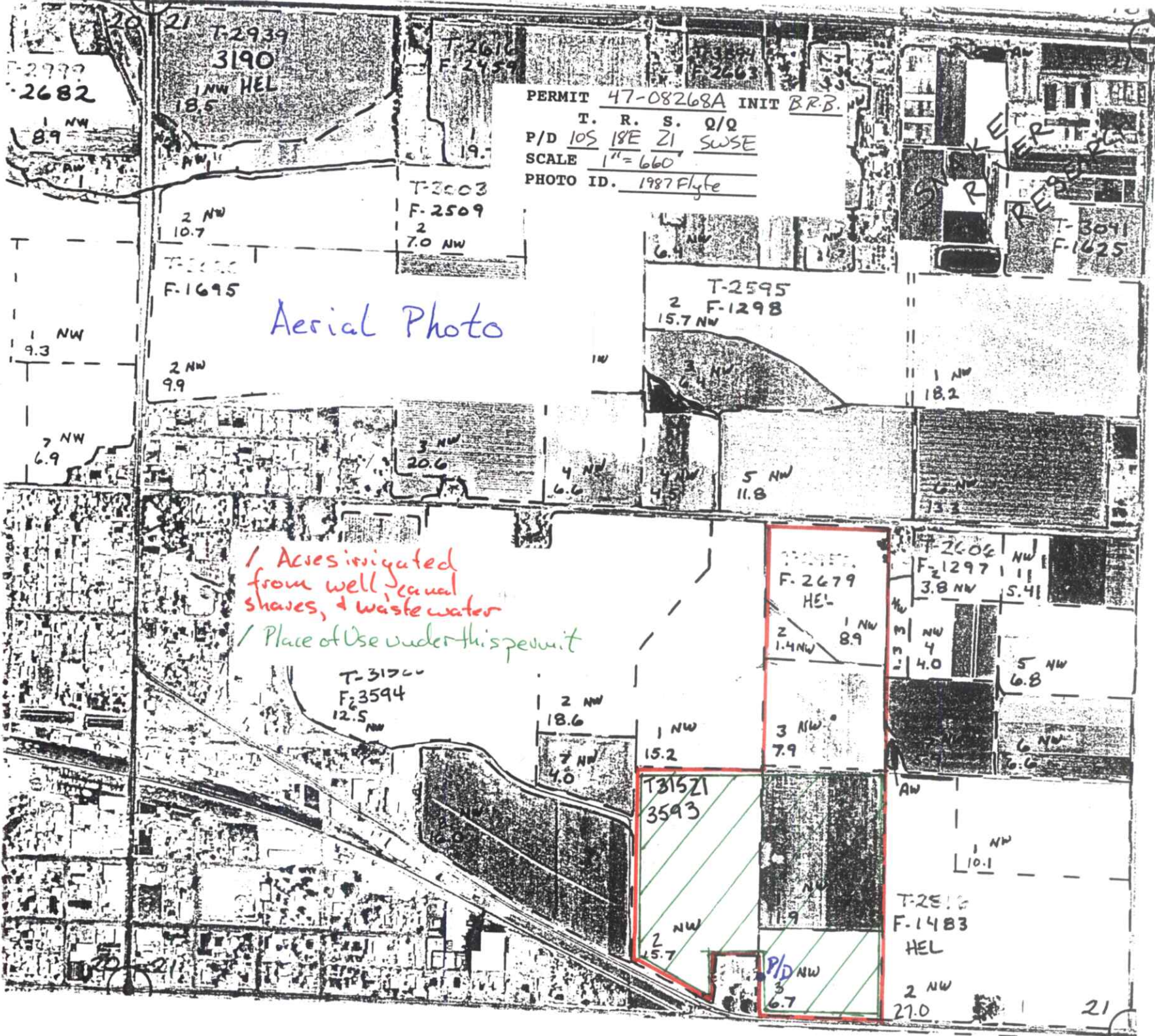
20'

720

Produced by the United States Geological Survey

Control by USGS and NOS/NOAA





PERMIT 47-08268A INIT BRB.
T. R. S. Q/Q
P/D 10S 18E 21 SWSE
SCALE 1"=660
PHOTO ID. 1987 Flyte

Aerial Photo

1 Acres irrigated
from well, canal
shaves, & waste water
Place of Use under this permit

T-2679
F-2679
HEL
1 NW 8.9
2 1.4 NW
3 NW 7.9
T-31521
F-3593
1 NW 15.2
2 NW 15.7
P/D NW 6.7

T-2606
F-1297
HEL
1 NW 5.4
2 3.8 NW
3 NW 4.0
4 4.0
5 NW 6.8
6 NW 6.6
T-2516
F-1483
HEL
1 NW 10.1
2 NW 27.0

T-2939
3190
1 NW HEL
18.5
T-2503
F-2509
2 7.0 NW

T-2595
2 F-1298
15.7 NW

T-3091
F-1625

T-31700
F-3594
12.5 NW

2 NW 18.6
7 NW 4.0

T-2777
2682
1 NW 8.9

2 NW 10.7

T-2500
F-1695

2 NW 9.9

1 NW 9.3

7 NW 6.9

3 NW 20.6

4 NW 6.6

4 NW 4.5

5 NW 11.8

6 NW 13.2

T-2606
F-1297
HEL
1 NW 5.4
2 3.8 NW

1 NW 4.0

5 NW 6.8

6 NW 6.6

AW

1 NW 10.1

T-2516
F-1483
HEL

2 NW 27.0

21

P47-08268



Headgate for
canal shares
(TFC) is quarter
mile south of this sod
farm

P/D

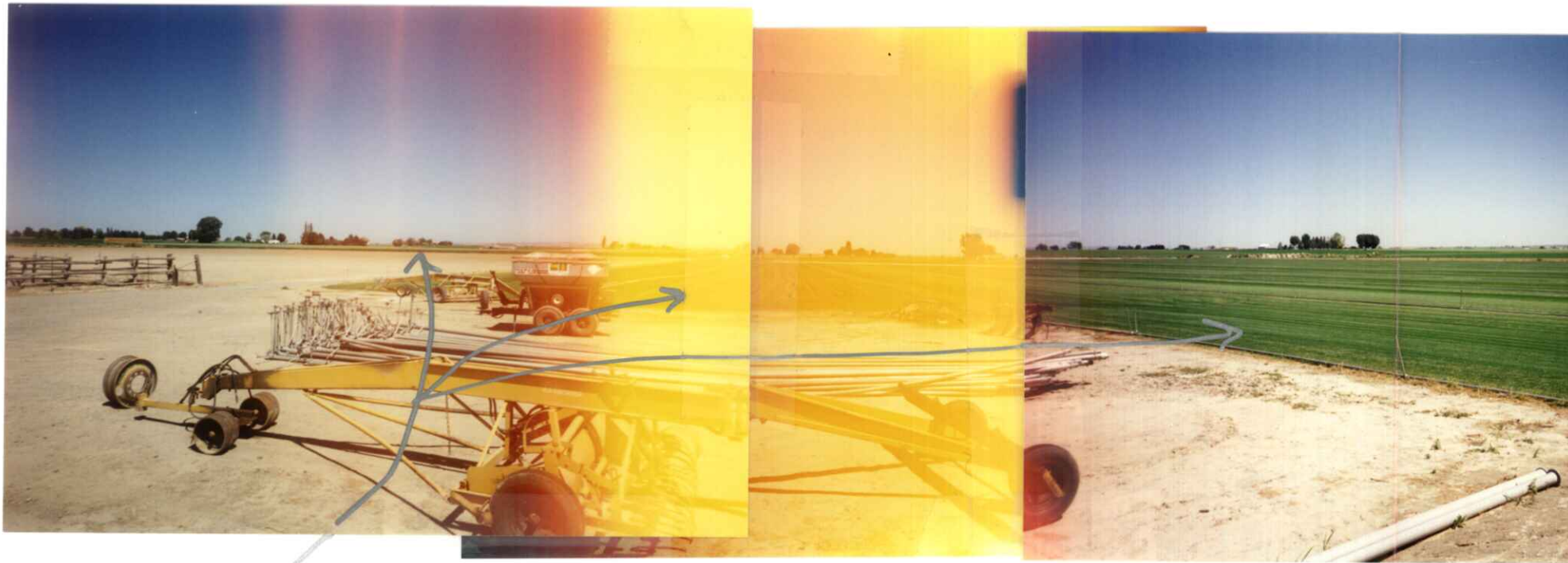
Well



Wastewater
comes
into
storage
pond
here

This photo was taken
on July 30, 1993.

Wastewater, canal water, & groundwater
is pressurized & redirected to
solid set handlines with this pump



P/
U

P47-08268 These photos were taken on July 30, 1993.
These photos were taken from bank of storage pond
looking northwest to northeast.

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

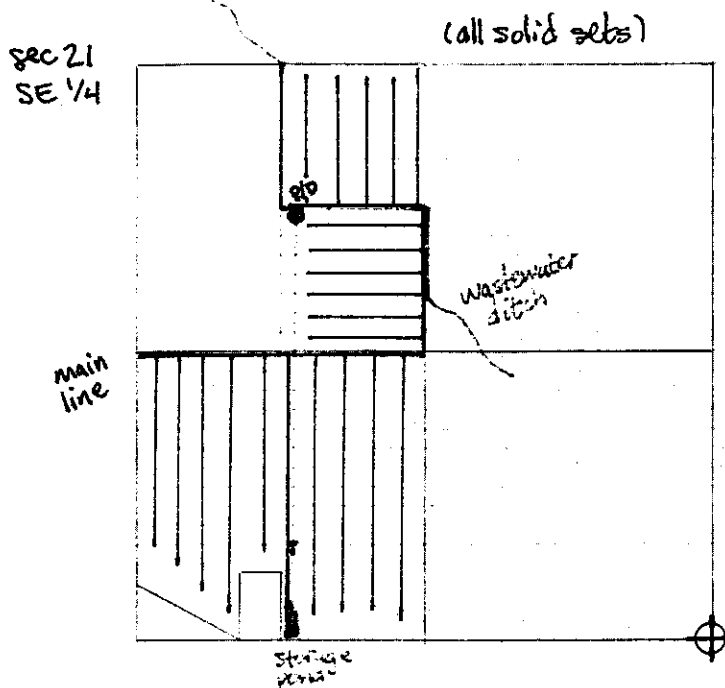
J.R. Wright Enterprises. Permit No. 47-08226
1. Owner: ~~Randy Anderson & Jack Wright~~ Phone No. 733-2717
Current Address: Rt. 3 Addison Ave. E. Twin Falls, ID 83301
2. Accompanied by: _____ EXAM. DATE: 8-11-92
Address: _____ Phone No. _____
Relationship to Permit Holder: _____
3. Source: Wastewater - unnamed stream tributary to _____

B. OVERLAP REVIEW

1. Other water rights with same place of use: 47-08268 (permit) TFCC shares
B47-8268A ☐ 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" = 800'

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.)

P.D. from ditch uses 5 hp. motor to pump water through 6" pipe to storage pond (see diagram). Water in pond is co-mingled with groundwater and canal sources. Water is then re-diverted with 30 hp. pump motor through a 6" mainline to solid sprinkler sets.

☐ 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
	Marathon Elec.	5	A19D87P-55		

*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
			NW	SE	21	10S	18E	Twin Falls	Inspection / air photo

6. Place(s) of Use:

Indicate Method of Determination aircraft photos

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	
																20	36		56
																18	34		52

Do not use this space