

RECEIVED

AUG 09 2004
WATER RESOURCES
WESTERN REGION

Ident. No. 63-31980

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT

To appropriate the public waters of the State of Idaho

1. Name of Applicant SETTLERS IRRIGATION DISTRICT Phone 344-2471
Mailing address P.O. BOX 7571 BOISE ID 83707
2. Source of water supply GROUND WATER which is a tributary of N/A
3. Location of point of diversion is Township 4N Range 1W Sec. 28, in the SE $\frac{1}{4}$,
NE $\frac{1}{4}$, Govt. Lot _____, B.M., ADA County;
additional points of diversion if any: _____
4. Water will be used for the following purposes:
Amount .56 CFS for IRRIGATION purposes from APRIL 1 to NOVEMBER 1 (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)
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)
Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)
5. Total quantity to be appropriated is (a) .56 CFS and/or (b) _____
cubic feet per second acre feet per annum
6. Proposed diverting works:
a. Describe type and size of devices used to divert water from the source WELL 15" X 88' DEEP 15 H.P. PUMP
84' OF 6" DISCHARGE PIPE
b. Height of storage dam N/A feet; active reservoir capacity N/A acre-feet; total
reservoir capacity N/A acre-feet
c. Proposed well diameter is _____ inches; proposed depth of well is _____ feet
d. Is ground water with a temperature of greater than 85°F being sought? NO
e. If well is already drilled, when? 6/28/63; Drilling firm FRANCES VEACH WELL DRILLING;
Well was drilled for (well owner) SETTLERS IRRIGATION DIST; Drilling Permit No. 821306
7. Time required for completion of works and application of water to proposed beneficial use is 2 years (minimum 1 year)
8. Description of proposed uses (if irrigation only, go to item 9):
a. Hydropower; show total feet of head and proposed capacity in kW. N/A
b. Stockwatering; list number and kind of livestock. N/A
c. Municipal; show name of municipality. N/A
d. Domestic; show number of households. N/A
e. Other; describe fully. N/A

3. Description of place of use:

- If water is for irrigation, indicate acreage in each subdivision in the tabulation below.
- 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	RGE	SEC	NE				NW				SW				SE				TOTALS
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
4N	1W	20															18.1	37.4	55.5
4N	1W	21									26.8	38.9	38.3				37.6		
4N	1W	28	12.9	37.7	39.6	5.7	38.6	30.5	10	28.4					7.9				211.3

Total number of acres to be irrigated 408.6

10. Describe any other water rights used for the same purposes as described above. N/A

11. a. Who owns the property at the point of diversion? SETTLERS IRRIGATION DISTRICT

b. Who owns the land to be irrigated or place of use? PROPERTY OWNERS IN SETTLERS IRRIGATION DISTRICT

c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing: PROPERTY OWNERS HOLD IRRIGATION SHARES WITHIN THE DISTRICT. SETTLERS

12. Remarks: DELIVERS WATER TO THESE PROPERTIES.

MAKE UP OF WATER RIGHTS FOR PERMIT NO. 63-11185 PRE 1987 DEVELOPMENT

WATER BEARING ZONE IS 15 FT TO 88 FT

13. **MAP OF PROPOSED PROJECT REQUIRED** - Attach an 8½"x11" map clearly identifying the proposed point of diversion, place of use, section #, township & range. (A photocopy of a USGS 7.5 minute topographic quadrangle map is preferred.)

BE IT KNOWN that the undersigned hereby makes this application for permit to appropriate the public waters of the State of Idaho as herein set forth.

 , MANAGER
Signature of Applicant (and title, if applicable)

Received by KL Date 8/9/04 Time 1:05 Preliminary check by DAW.
Fee \$ 350.00 Received by KL # W032097 Date 8/9/04
Publication prepared by sk Date 7-27-04 Published in THE IDAHO STATESMAN
Publication approved sk Date 7-20-04

FIELD EXAM FOR 63-11185 AND NEW PERMIT FOR SETTLERS IRRIGATION DISTRICT



0.5 0 0.5 1 Miles

CREATED BY DAN NELSON
7/26/2004

NO GOV'T LOTS
DAN 8-16-04.

- 1/4 1/4 LINES (40 ACRE TRACTS)
- SECTION LINES
- ACTUAL IRRIGATION PLACE OF USE
- WELL POINT OF DIVERSION



63-31980

RECEIVED

REQUEST TO PROCESS

AUG 09 2004

WATER RESOURCES
WESTERN REGION

COMPLETE REQUEST IF YOU WANT YOUR APPLICATION TO BE PROCESSED USING ONE OF THE
THREE ALTERNATIVES BELOW

Name of Applicant SETTLERS IRRIGATION DISTRICT
Mailing Address P.O. BOX 7571
BOISE, IDAHO 83707
Application No. _____
(if known)

IN LOCAL PUBLIC INTEREST

Yes, I want my application processed and before it is advertised, I will amend my application to demonstrate that the proposed appropriation is in the local public interest including the need to preserve flows in the Snake River during the migration periods of anadromous fish.

PROPOSE MITIGATION NOW

Yes, I want my application processed and before it is advertised, I will amend my application to include proposed mitigation to offset anticipated depletions in the Snake River during periods of anadromous fish migration.

XX WILL AGREE TO MITIGATION IN THE FUTURE IF NECESSARY

Yes, I want my application processed at this time, and I will accept a condition of approval that will require mitigation should the Director of the Idaho Department of Water Resources determine that mitigation is necessary to offset depletions from this appropriation to flows in the Snake River during periods of anadromous fish migration. I understand that mitigation is not required now but may be needed in the future. I also understand that the Director will not require mitigation until I have an opportunity to review the process by which the need for mitigation is established and the amount of water required is quantified.

Signature

, MANAGER

Date

7-30-04

Please return this form to:

Idaho Dept. of Water Resources
Western Regional Office
2735 Airport Way
Boise, ID 83705-5082

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

PROOF OF BENEFICIAL USE

The Idaho Department of Water Resources considers this form 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, when necessary, or be accompanied by a completed field examination report prepared by a certified water right examiner.

1. Permit No. 63-11185 Telephone No. 344-2471

2. Name of Permit Holder(s): SETTLERS IRRIGATION DISTRICT

3. Mailing Address: P.O. BOX 7571

City BOISE State IDAHO Zip 83707

4. Source of Water: GROUNDWATER If **GROUNDWATER** (well), Date Drilled: mo. 06 / yr. 63

Well Driller: FRANCES VEACH WELL DRILLING Drilling Permit Number: - - - 821 - 306

5. Use(s) (as authorized by the water right permit):

Domestic (No. of households): N/A Stockwater (No. and type of stock): N/A

Irrigation (No. of acres): 408.6 Other: N/A

6. Total rate of diversion and/or volume for which proof is submitted: .56 cfs OR acre-feet

7. Measuring Device Requirement: **(refer to the approval conditions on your permit and respond accordingly)**

(This question is not optional. Please check either yes or no. Proofs returned not checked accordingly, will be considered incomplete)

Measuring Device: Is a measuring device required? Yes X or No
Has the measuring device been installed? Yes X or No

8. Fee Enclosed: \$ 100 (See Fee Schedule on back of the instructions for filing proof of beneficial use)

9. Person to contact to accompany the Department representative during field examination of the water system.

Name: NATHAN DRAPER Telephone Number: 343-5271

Address: 1910 NORTH GARDEN STREET BOISE, IDAHO 83706

10. **The information given on this form is my true statement of the extent to which the above numbered permit has been developed and water has been diverted. I agree to relinquish any undeveloped portion of the permit to the State of Idaho.**

Signature of permit holder:  MANAGER Date: 7/30/2004
(include your title, if on behalf of company or organization)

**IDAHO DEPARTMENT OF WATER RESOURCES
WESTERN REGION
2735 AIRPORT WAY
BOISE ID 83705**

August 25, 2004

Legal Notice Department
IDAHO STATESMAN
PO BOX 40
BOISE ID 83707

RE: Application for Permit Nos. 63-31969 and 63-31980

Dear LEGAL NOTICE DEPARTMENT:

Enclosed you will find a legal notice which we wish to have published in your newspaper on the dates indicated (once a week for two consecutive weekly issues). If you cannot publish the notice on the proposed dates, please contact us immediately.

An affidavit of publication must be submitted to the Department along with the publication bill. Please send the affidavit and bill to this office before 09/20/2004. Your cooperation is appreciated.

Sincerely

Sue Kreger
Administrative Assistant

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

63-31980

SETTLERS IRRIGATION DISTRICT
PO BOX 7571
BOISE ID 83707

Point(s) of Diversion SENE S28 T04N R01W ADA County Source GROUND WATER

Use: IRRIGATION 04/01 To 11/01 0.56 CFS

Total Diversion: 0.56 CFS

Date Filed: 08/09/2004

Place Of Use: IRRIGATION

T04N R01W S20 SWSE SESE

T04N R01W S21 NWSW SWSW SESW SWSE

T04N R01W S28 NENE NWNE SWNE SENE NENW NWNW SWNW SENW NWSE

Number of Acres 408.6

Remark: Water bearing zone to be appropriated is from 15 to 88 feet.

Development completed by November 1987.

Applicant agrees to mitigate consumptive use in the future as needed.

Permits will be subject to all prior water rights. Protests may be submitted based on the criteria of Sec 42-203A, Idaho Code.

Any protest against the approval of this application must be filed with the Director, Dept. of Water Resource, Western Region, 2735 Airport Wy, Boise ID 83705 together with a protest fee of \$25.00 for each application on or before 09/20/2004. The protestant must also send a copy of the protest to the applicant.

KARL J DREHER, Director

Published in the Idaho Statesman on September 2 and 9, 2004.

SRBA

PARTIAL DECREE 63-11185

Issued on 01-30-2009.

This is not an official copy.

Contact IDWR or the Court for a Certified Copy.

Choose Landscape Orientation when printing.

NAME AND ADDRESS:	SETTLERS IRRIGATION DISTRICT		
	PO BOX 7571		
	BOISE, ID 83707		
SOURCE:	GROUND WATER		
QUANTITY:	1.00 CFS		
	516.00 AFY		
PRIORITY DATE:	01/26/1990		
POINT OF DIVERSION:	T04N R01W S28	NESENE	Within Ada County
PURPOSE AND			
PERIOD OF USE:	PURPOSE OF USE	PERIOD OF USE	QUANTIT
	Irrigation	03-01 TO 11-15	1.00 C
			516.00

PLACE OF USE:

THIS RIGHT IS LIMITED TO THE IRRIGATION OF 13135 ACRES WITH THE BOUNDARY OF THE SETTLERS IRRIGATION DISTRICT. The boundary encompassing the place of use for this water is described with a digital boundary as defined by I.C. Se 42-202B(2) and authorized pursuant to I.C. Section 42-1411(2)(h). The data comprising the digital boundary are incorporated herein by reference and are stored on a CD-ROM issued in duplicate originals on file with the SRBA District Court and the Idaho Department of Water Resources. A map depicting the place of use is attached hereto to illustrate place of use described by the digital boundary.

OTHER PROVISIONS NECESSARY FOR DEFINITION OR ADMINISTRATION OF THIS WATER RIGHT:

THIS PARTIAL DECREE IS SUBJECT TO SUCH GENERAL PROVISIONS NECESSARY FOR THE DEFINITION OF THE RIGHTS OR FOR THE EFFICIENT ADMINISTRATION OF THE WATER RIGHTS AS MAY BE ULTIMATELY DETERMINED BY THE COURT AT A POINT IN TIME NO LATER THAN THE ENTRY OF A FINAL UNIFIED DECREE. I.C. SECTION 42-1412(6).

[Return to SRBA Home Page](#)

IDAHO DEPARTMENT OF WATER RESOURCES

Adjudication Recommendation Report 63-11185 V1

WATER RIGHT NUMBER: 63-11185 V1

<u>Owner Type</u>	<u>Name and Address</u>
Attorney	MOFFATT THOMAS BARRETT ROCK & FIELDS CHTD C/O SCOTT CAMPBELL PO BOX 829 BOISE, ID 83701 (208)345-2000
Current Owner	SETTLERS IRRIGATION DISTRICT PO BOX 7571 BOISE, ID 83707 (208)344-2471

Priority Date: 01/26/1990

Basis: License

Status: Active

<u>Source</u>	<u>Tributary</u>
GROUND WATER	

<u>Beneficial Use</u>	<u>From</u> <u>To</u>	<u>Diversion Rate</u>	<u>Annual Volume</u>
IRRIGATION	03/01 to 11/15	1.000 CFS	516.00 AF
	<u>Total Diversion:</u>	1.000 CFS	516.00 AF

Location of Point(s) of Diversion

GROUND WATER	NE1/4SE1/4NE1/4	Sec. 28, Twp 04N, Rge 01W, B.M.
ADA County		

Place of Use

IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
04N	01W	20															18.0	37.0	55.0
04N	01W	21											27.0	39.0	38.0		38.0		142.0
04N	01W	28	13.0	38.0	40.0	6.0	39.0	31.0	10.0	28.0					8.0				213.0

Total Acres: 410

Conditions of Approval:

1. C18 This partial decree is subject to such general provisions necessary for the definition of the rights or for the efficient administration of the water rights as may be ultimately determined by the Court at a point in time no later than the entry of a final unified decree. Section 42-1412(6), Idaho Code.

IDAHO DEPARTMENT OF WATER RESOURCES

Adjudication Recommendation Report 63-11185 V1

2. 065 The right holder shall make full beneficial use of all surface water rights available to the right holder for irrigation of the lands authorized to be irrigated under this right. The right holder shall limit the diversion of ground water under this right to those times when the surface water supply is not available or the surface water supply is not reasonably sufficient to irrigate the place of use authorized under this right.
3. 104 If the surface water rights appurtenant to the place of use is sold, transferred, leased or used on any other place of use, this right to divert groundwater shall not be used without an approved transfer pursuant to Section 42-222, Idaho Code, or approval of the Department if a transfer is not required.
4. This right when combined with all other rights shall provide no more than .02 cfs per acre nor exceed a combined annual maximum diversion volume of 1580.0 af at the field headgate for the 352 acres of land authorized for irrigation under this right.
5. K06 This right is limited to the irrigation of 352 acres within the place of use described above in a single irrigation season.

Remarks:

Comments:

1. mschulte 3/23/2005 claim amended by license
Comment: This claim was amended by the license approved January 26, 2005

2. jshurte 11/15/2005 Change in 1/41/4
Comment: It was discovered that the 1/41/4 listed in the SESE, S21 on the license should have been located in the SWSE, S21. In review of the original file and the map in the file it clearly shows this error. Therefore, this recommendation reflects the 38 acres in the SWSE, S21 rather than in the SESE, S21 as licensed.

Water Supply Bank:

Permit No: 63-11185

Filed
8/23/2004
rw
Page 1

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 63-11185

Exam Date: 7/3/1991

1. Current Owner: SETTLERS IRRIGATION DISTRICT
PO BOX 7571
BOISE ID 83707
(208)344-2471
2. Accompanied by: Nathan Draper
Phone No: (208) 344-2471-office (208) 870-6509-Cell
Address: SAME AS APPLICANT
Relationship to Permit Holder: IRRIGATION DISTRICT MANAGER

3. SOURCE TRIBUTARY
GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: SETTLER IRRIGATION DISTRICT RIGHTS AND SEVERAL INDIVIDUAL SUPPLEMENTAL WATER RIGHTS FOR INDIVIDUAL USERS.
2. Other water rights with the same point of diversion: NONE

C. DIVERSION AND DELIVERY SYSTEM

1. LOCATION OF POINT(S) OF DIVERSION:

GROUND WATER NE1/4SE1/4NE1/4 Sec. 28, Twp 04N, Rge 01W, B.M.
ADA County

Method of Determination:

2.

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
04N	01W	20															18.1	37.4	55.5
04N	01W	21									26.8	38.9	38.3					37.8	141.8
04N	01W	28	12.9	37.7	39.6	5.7	38.6	30.5	10.0	28.4					7.9				211.3

Total Acres: 408.6

Please Note: This license is limited to 352 acres within the above-described permissible place of use.

Method of Determination:

3. YES Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
- YES Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
- YES Aerial Photo Attached (required for irrigation of 10+ acres).
- YES Photo of Diversion and System Attached

4.
4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
P/D WELL	BERKELEY	15	#8T15-725	BERKELEY	#8T15-725

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

D. FLOW MEASUREMENTS

1.

<u>Measurement Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Callb. Date</u>

2. Measurements:

Used pump curve to calculate flow rate.

E. FLOW CALCULATIONS

YES Additional Computation Sheets Attached

Measured Method:

Pump Curve → 700 gpm or 1.56 cfs

Permit Limit → 1.00 cfs or 448.8 gpm

Use permit limit for licensing.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 352 \text{ acres} \times 4.5 \text{ afa} = 1584 \text{ afa}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 1.00 \text{ cfs} \times 260 \text{ days} \times 1.9835 = 515.7 \text{ afa}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 515.7 \text{ afa}$$

2. Volume Calculations for Other Uses:

NONE

G. NARRATIVE/REMARKS/COMMENTS

I was asked to complete this exam originally started by Sara West. A second review of the site was needed.

The water for this permit is diverted from a 15 inch well located on the north side of a private lane in the NESENE of S28 T4N R1W. The water is open discharged into the McMullen Lateral. The water from this point flows westward to a series of ditches and laterals that supply water to 408.6 acres on the west end of the Settlers Irrigation District system (please see system diagram). The well was developed to alleviate drainage problems in the area. A permit was filed for this well in May of 1963 to ensure the water users at the end of the system received their full supply of water. Proof of beneficial use was never filed on the earlier permit, but the well has been used as needed since that time.

There was some confusion during the processing of this permit regarding the number of acres this system served and the diversion rate of the pump. It seems as though the diversion rate was reduced below the pump capacity after IDWR staff questioned the capacity. The acre amounts were also reduced. The permit does not seem to have been filed to the capacity of the irrigation districts system or the capacity of the well. Therefore, I have proposed to the irrigation district that we license this right for the amount requested under this permit of 1.00 cfs and 352 acres within the 408.6 acre permissible place of us. Since the well drilled and the irrigation use started in 1963, I have recommended that the irrigation district file for another permit to cover the remaining well capacity of 0.58 cfs and to cover the entire 408.6 acres where the well water can be used. This will allow them to use the full capacity of the system. A new application can be filed on this system, since it was developed prior to 1987.

There are several overlapping water rights under Settlers Irrigation District's portfolio of water rights. Most of these rights are from surface water sources and should not affect the licensing of this water right. There are several other supplemental water rights owned by individual landowners to supplement the Settlers Irrigation District water. None of these rights should affect the licensing of this permit. This permit is only used when Settlers is delivering water through their canal system, so the well is not used once their full delivery of the surface water has been accomplished. Therefore, the individual supplemental rights would not generally be in use while Settler's well is in operation.

I recommend that this applicant be licensed with the condition that they use the full allocation of surface water when available prior to using this well. The well can only be used when the system cannot supply a full allocation of surface water to the lands described in this permit. This well can only supply water to the 408.6 acres described above. Therefore, it should be limited directly to those acres and not be moved unless a formal transfer has been filed. When combined with all other water rights, this right should be limited to 0.02 cfs and 4.5 afa at the field headgate.

Have conditions of permit approval been met? X Yes _____ No

A cipoletti weir is available for measurement when needed. Due to power demand charges it was not reasonable to ask the permit holder to turn on the pump at this time for a measurement.

H. RECOMMENDATIONS**1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
IRRIGATION	04/01 to 11/01	1.000 CFS	515.80 AF
	<u>Totals:</u>	1.000 CFS	515.80 AF

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

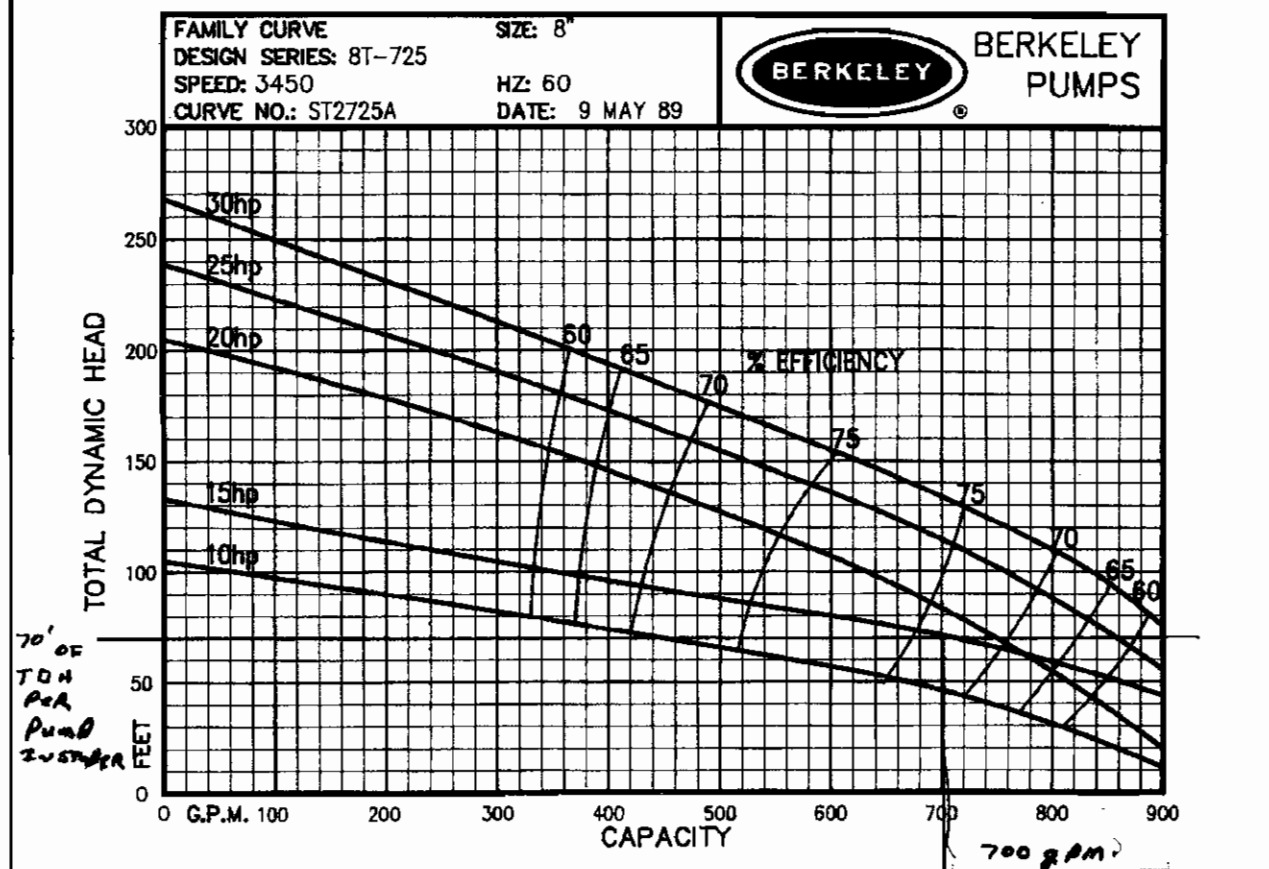
I. AUTHENTICATION

Daniel A. Nelson

Field Examiner's Name *Daniel A. Nelson* Date *7-27-04*

Reviewer _____ Date _____

Submersible Turbine Model 8T-725



Specifications

CURVE No. ST2725A

LIQUID END WEIGHTS

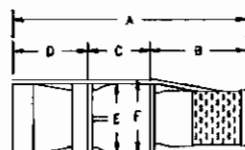
DESCRIPTION	WEIGHT LBS.	HP RATING	MOTOR FLANGE
ONE STAGE L.E.	107.5	10-30	6"
ONE STAGE L.E.			
ONE STAGE L.E.			
EACH ADDED STAGE	29.0	ALL	ALL

IMPELLER DATA

TYPE: ENCLOSED EYE AREA 12.14 Sq. In.
 THRUST CONSTANT K 4.65 Lbs./Ft of HEAD.

HP	IMPELLER No.	STAGES	IMPELLER Dio.
30	P5-34D	2	5.32"
25	P5-34DC	2	5.07"
20	P5-34DB	2	4.73"
15	P5-34D	1	5.32"
10	P5-34DB	1	4.73"

OUTLINE DIMENSIONS



- A- ONE STAGE LIQUID END LENGTH
- B- SUCTION CONNECTION LENGTH
- C- STAGE LENGTH
- D- DISCHARGE CONNECTION LENGTH
- E- BOWL DIAMETER
- F- DIAMETER ACROSS LEAD GUARD

BOWL DATA

BOWL No. P101-50 PUMP SHAFT Dia. 1 1/4"
 TYPE: THREADED DISCHARGE SIZE 6" NPT

NOTE: For each additional stage add 'C'

A	B	C	D	E	F	HP RATING	MOTOR FLANGE
35.00	13.38	6.75	8.12	7.38	7.94	10-30	6"

890509

**CARON PUMP COMPANY**

11026 CULDESAC WAY
BOISE, ID 83703
PH. (208) 939-9198

INVOICE

DATE	INVOICE #
03/31/04	10564

BILL TO:

SETTLER'S IRRIGATION DISTRICT
1910 N. GARDEN ST.

Boise, ID 83706

P.O. NUMBER

TERMS

PROJECT

QUANTITY

DESCRIPTION

RATE

AMOUNT

PER MR. NATHAN DRAPER
C/O BLACK CAT PUMP STATION - 5865 BLACK CAT RD.
RE: NEW 15 HP., PUMP AND MOTOR

THIS WELL IS: 15" X 88' DEEP, STATIC WATER LEVEL IS AT 15' AND THE PUMP IS SET ON 84' OF 6" PIPE.

WE PULLED UNIT OUT OF WELL AND FOUND A BAD PUMP, MOTOR AND PIPE. THE EQUIPMENT NEEDS TO BE REPLACED.
WE CAME BACK AND REINSTALLED NEW EQUIPMENT, STARTED SYSTEM AND FOUND PUMP WORKING GOOD.

- 1 - BERKELEY #8T15-725 PUMP END
THIS PUMP WILL PRODUCE 700 GPPM FROM 70' @ 74% EFFICIENCY
- 1 - FRANKLIN 15 HP. 460 VOLT, THREE PHASE MOTOR
- 1 - 84' OF 6" T & C PIPE
- 1 - 95' OF #10-4 HEAVY DUTY FLAT JACKET SUB. WIRE
- 1 - WATER TIGHT WIRE SPLICE KIT
- 4 - ROLLS OF 2" PIPE WRAP
- 1 - LABOR TO PULL, PLUMB AND WIRE EQUIPMENT

*pump
84'*

TOTAL COST OF PROJECT - PER QUOTE \$4,238.00

Balance Due: 4,238.00

*V # 3730
4/5/04*

TOTAL

IDAHO DEPARTMENT OF WATER RESOURCES
WELL INSPECTION FORM

1. DRILLING PERMIT NO: UNKNOWN OTHER APPLICABLE NO: 63-11185
870-6509 cell
2. OWNER: SETTLERS IRRIGATION DIST Phone: 344-2471 OFFICE
Address: P.O. BOX 7571, Boise ID 83707
3. WELL LOCATION: Twp 4N, Rge. 1W, Sec. 28, SE 1/4 NE 1/4
County ADA (Provide sketch map and photo on reverse.)
4. DRILLER: UNKNOWN (well log not legible) Lic. No. _____
When Drilled? JUNE 14, 1963
5. WELL CONSTRUCTION:
Casing Diameter 15 inches Water tight cap? ☒ Yes ☐ No Access Port: ☒ Yes ☐ No
Casing $\geq$ 12 inches above ground? ☒ Yes ☐ No - Describe _____
Depth of Casing unknown ft. Method Drilled UNKNOWN
Condition of Well Casing: ☐ Good ☒ Fair ☐ Poor Describe VERY OLD well - casing beginning to rust
Control Valve? ☒ Yes ☐ No Pressure Gauge: ☐ Yes ☒ No
Condition of Piping and Valving OK
Auger to a depth of - 2 - ft. Evidence of Annular Seal ☐ Yes ☒ No
Are there obvious construction problems that may be a source for contamination or waste of water?
☐ Yes ☒ No (Describe in Remarks and Attach Photo - On Reverse)
6. HYDROLOGIC INFORMATION:
Depth to Static Water 15 ft. Water Temperature UNKNOWN °F
Flowing Artesian ☐ Yes ☒ No Pressure: N/A (psi)
Water Sample Taken? ☐ Yes ☒ No If yes, describe purpose _____
Water Quality Measurements/Observations (Describe) _____
7. WELL USE:
☐ Domestic ☒ Irrigation ☐ Stock
☐ Test ☐ Municipal ☐ Industrial
☐ Abandoned ☐ Waste Disposal/Injection ☐ Not Used
☐ Other: _____

8. POSSIBLE CONTAMINATION SOURCES:

Is there evidence of Chemigation? ☐ Yes ☒ No

If yes, is there a check-valve present? ☐ Yes ☒ No

Is there a possible source of contamination nearby? ☐ Yes ☒ No

If yes, what Type? _____

How far away from the well is this source? _____

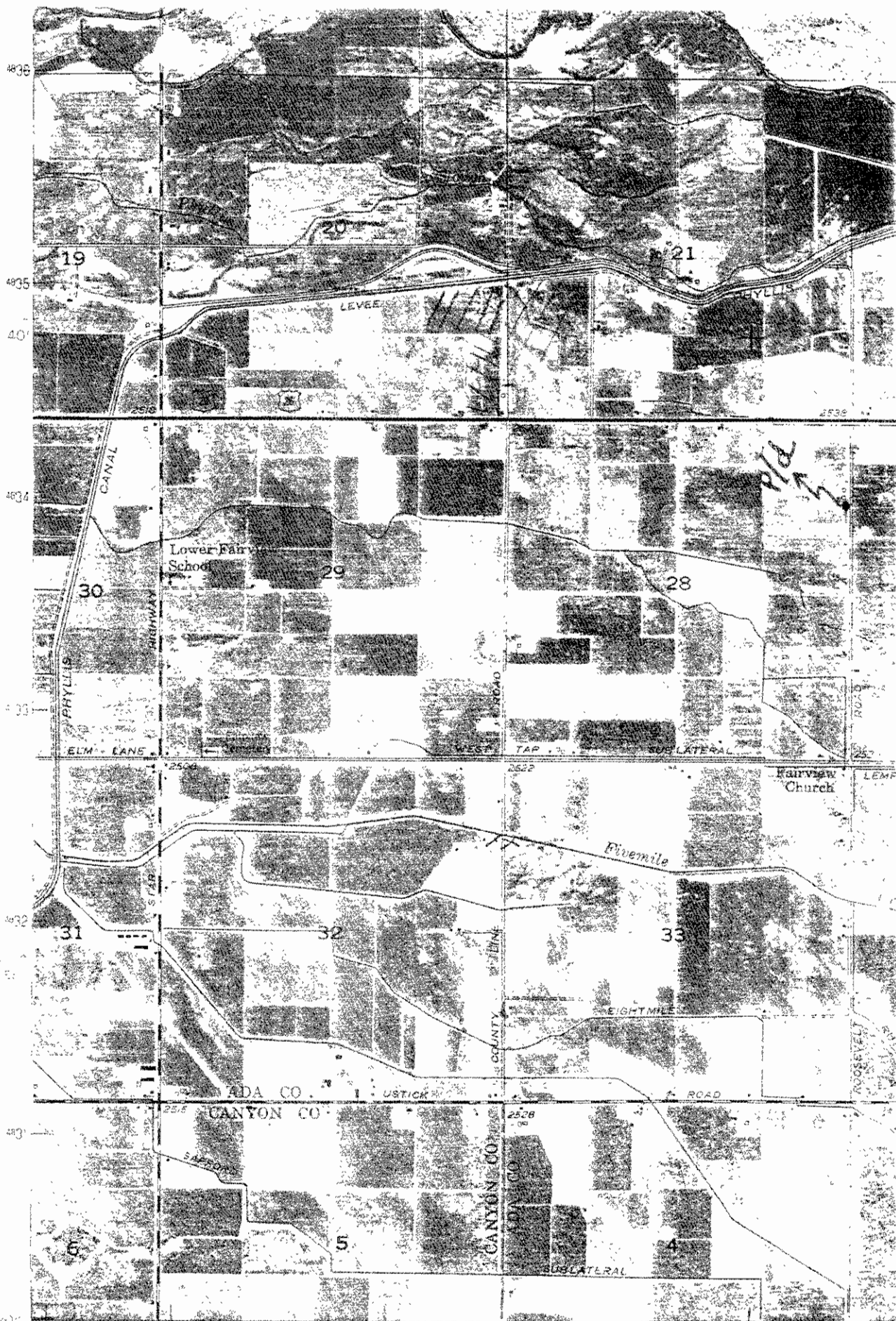
9. REMARKS: This is an older well with
very little information available.
This well was originally in a well house
there was a cement pad around the well
in the 1990's. The cement has broken away
around the well casing and the well
house is no longer there. Although everything
looks alright now - ~~that is~~ I am concerned of
how the well hold up in the future.

Daniel A. Nelson 7-15-04
Signature of Dept. Representative & Title

7-15-04
Inspection Date

PHOTOS, DRAWINGS, OTHER ATTACHMENTS:

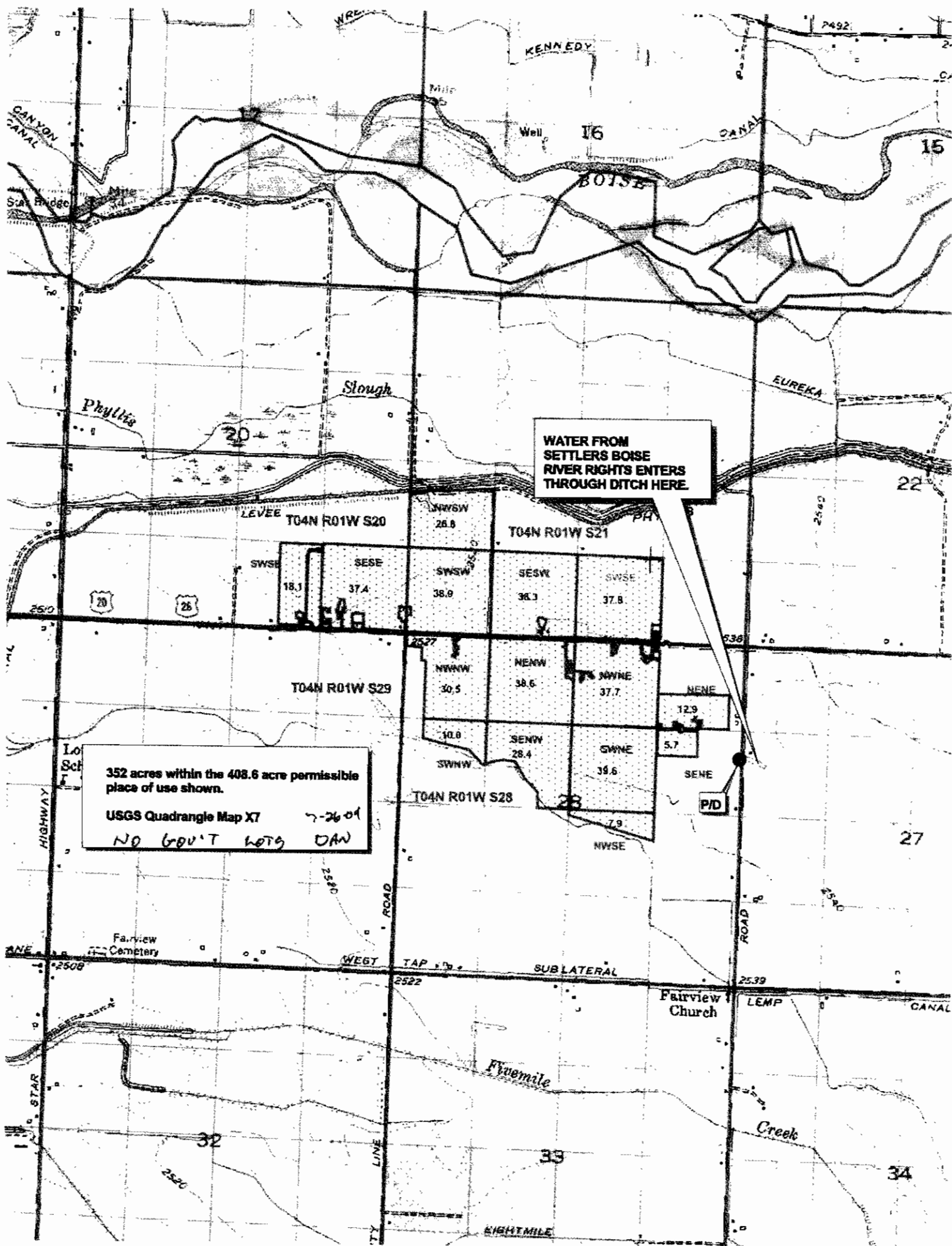
See Field Exam Pictures.



T4N
-3N

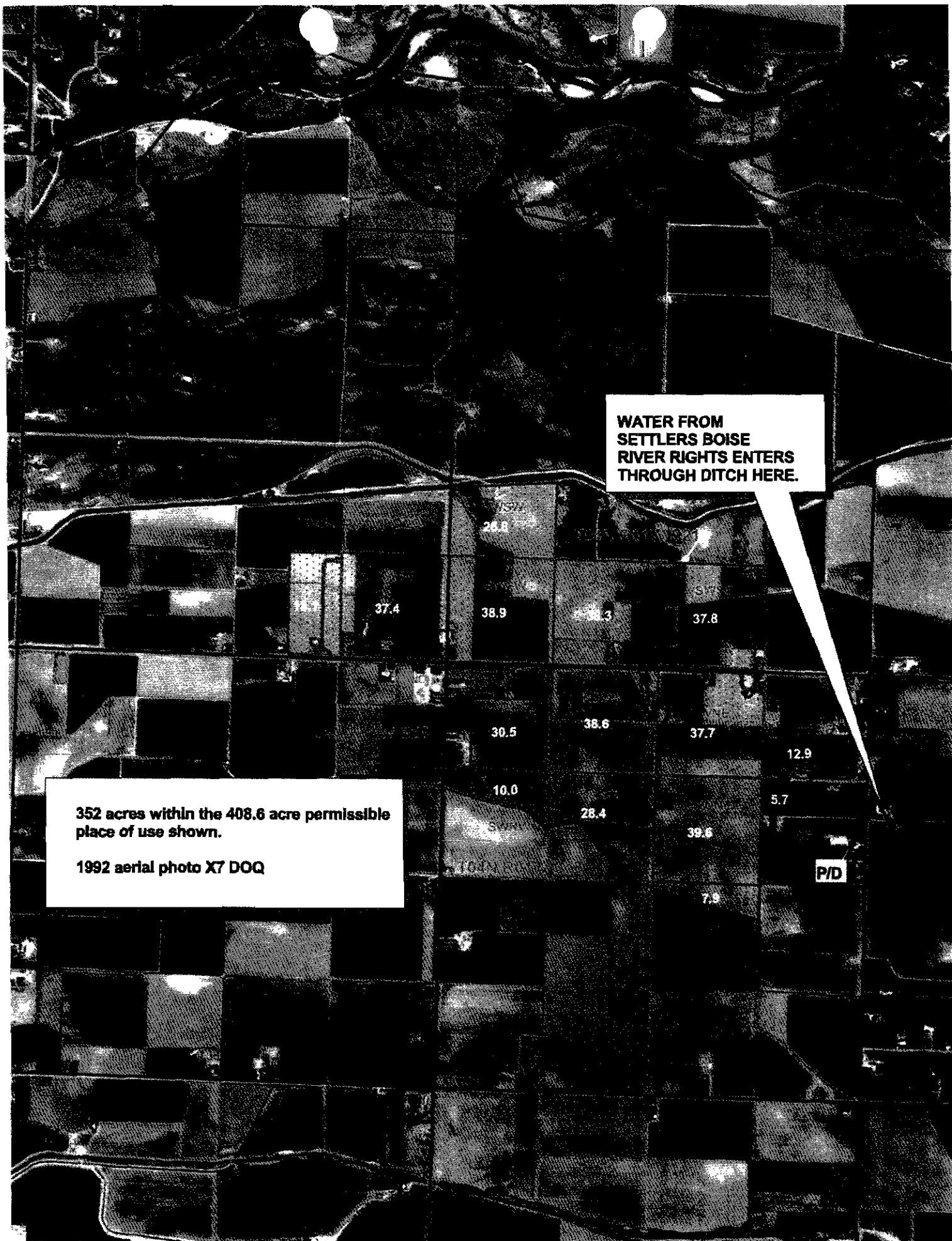
Produced by the Geological Survey

Orthophotograph prepared from 1:80 DCC scale aerial
photographs taken July 4, 1961



WATER FROM
SETTLERS BOISE
RIVER RIGHTS ENTERS
THROUGH DITCH HERE.

352 acres within the 408.6 acre permissible
place of use shown.
USGS Quadrangle Map X7 7-26-01
NO GOV'T LOTS DAN



**WATER FROM
SETTLERS BOISE
RIVER RIGHTS ENTERS
THROUGH DITCH HERE.**

**352 acres within the 408.6 acre permissible
place of use shown.**

1992 aerial photo X7 DOQ

26.8

37.4

38.9

38.3

37.8

30.5

38.6

37.7

12.9

10.0

28.4

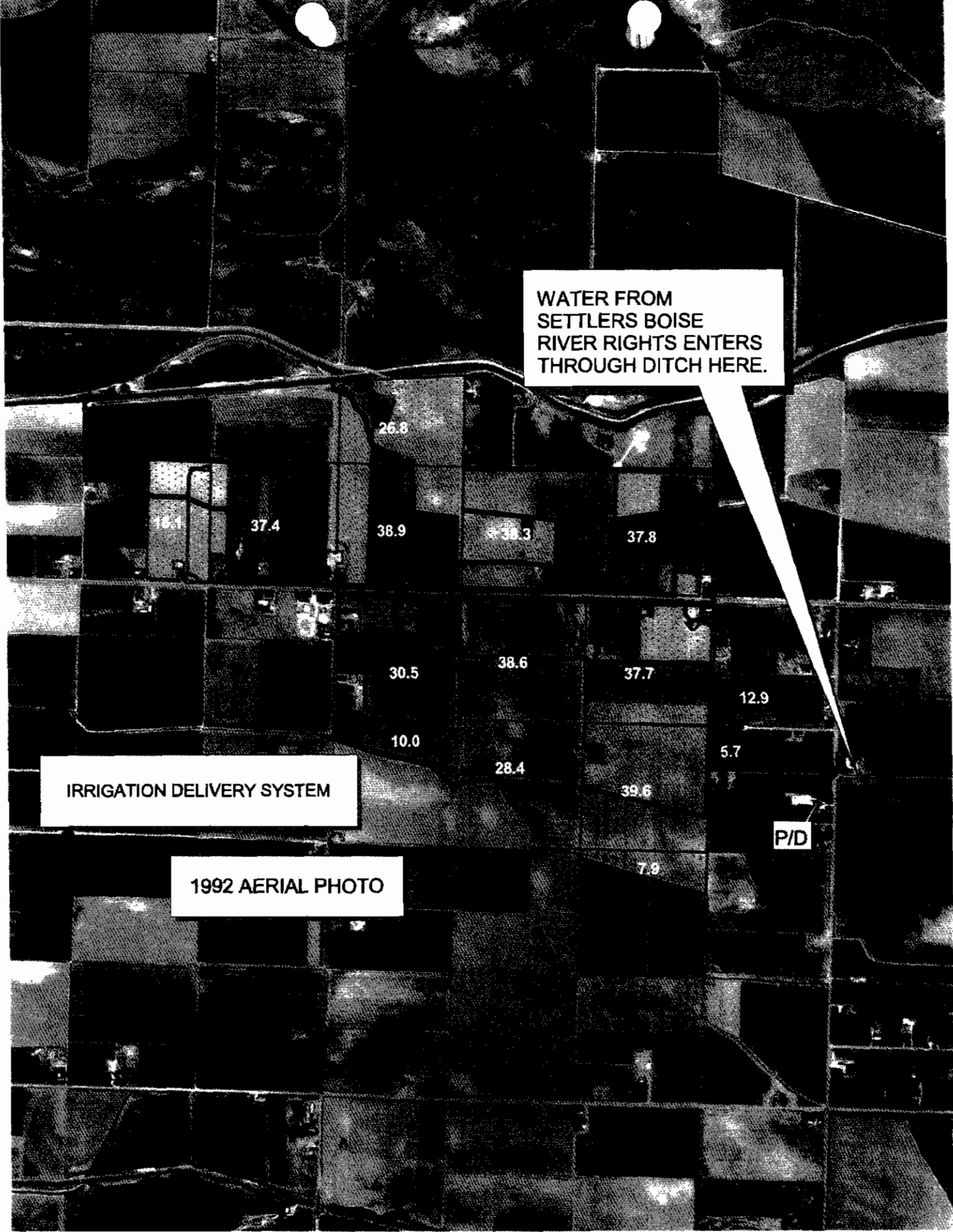
5.7

39.6

10.4

7.9

P/D



WATER FROM
SETTLERS BOISE
RIVER RIGHTS ENTERS
THROUGH DITCH HERE.

This is a black and white aerial photograph of a rural landscape, likely in Idaho, showing a grid of agricultural fields. A network of ditches and canals is visible, used for irrigation. Several numerical values are overlaid on the fields, representing elevation or water flow data. A callout box points to a specific ditch, and another box identifies the overall system. The image is a photocopy, as evidenced by the punch holes at the top.

Field ID	Value
1	26.8
2	18.1
3	37.4
4	38.9
5	38.3
6	37.8
7	30.5
8	38.6
9	37.7
10	12.9
11	10.0
12	28.4
13	39.6
14	5.7
15	7.9

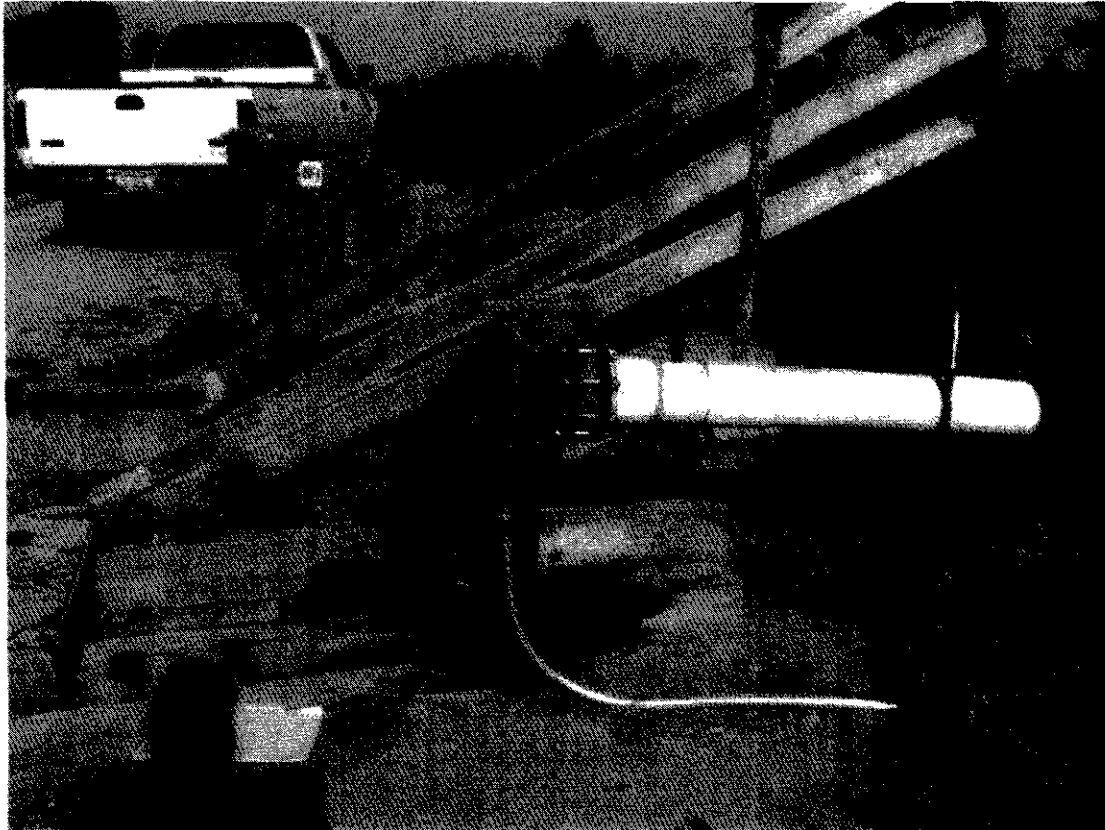
IRRIGATION DELIVERY SYSTEM

1992 AERIAL PHOTO

P/D

PHOTOGRAPHER AND DATE OF PHOTOS DANIEL A NELSON 7/27/2004

FILE NUMBER 63-11185

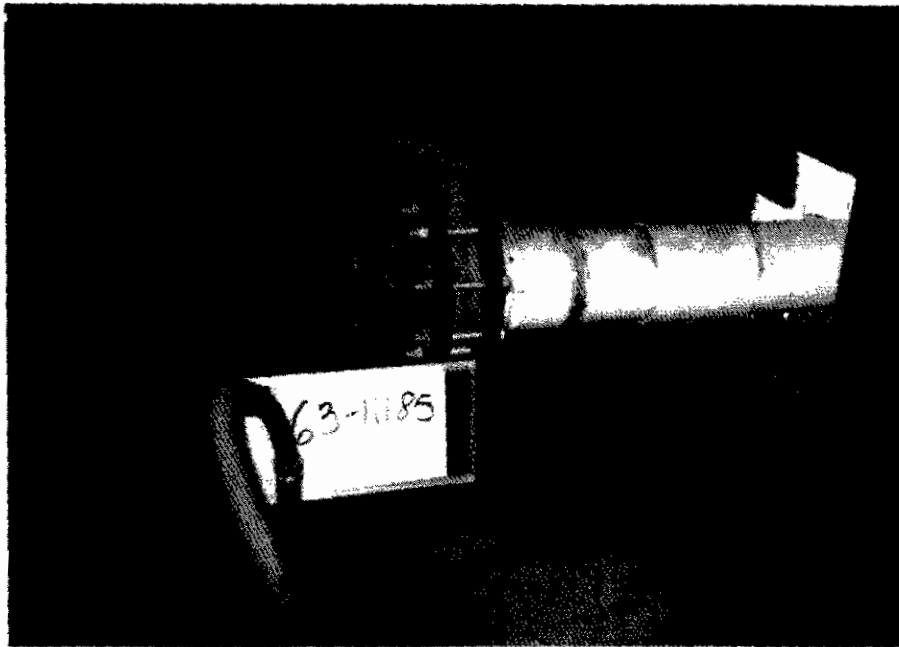


This is a current view of the well. The well house is no longer standing.

Permit 63-11185

Photos taken 7-3-91
SYW

Pg 1 of 3



↓
open discharge
(see next pic.)

PHOTO ONE-- ↑ well



PHOTO TWO--



pump control box

PHOTO THREE-



(well)
pump house

→ well

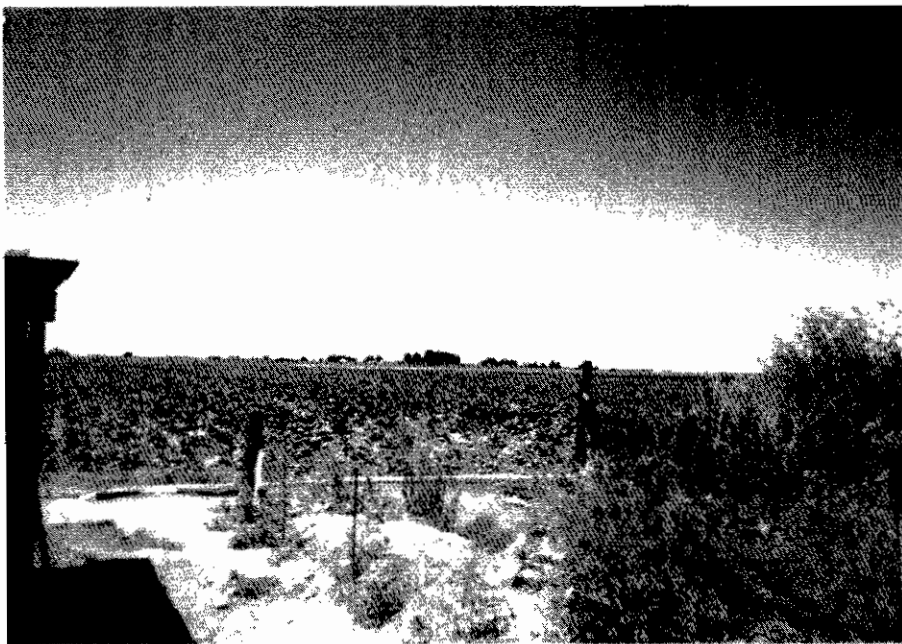
PHOTO FOUR-



Cipoletti
→ weir

≈ 100' from P/d.

PHOTO FIVE-



→ P/u

≈ 1/8 mi.
from P/d.

PHOTO SIX-

