

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED

SEP 27 2011

WATER RESOURCES
WESTERN REGION

A Beneficial Use Field Report is prepared by a water right examiner as the result of an examination to clearly confirm and establish the extent of the beneficial use of water established in connection with a permit during the development period authorized by the permit and any extensions of time previously approved.

A. GENERAL INFORMATIONPermit No. 63-319801. Owner Settlers Irrigation DistrictPhone No. 208-344-2471Current address PO Box 7571, Boise, ID 837072. Examiner's name Scott King, SPF Water EngineeringEXAM DATE 8/3/20113. Accompanied by Nathan Draper

Email _____

Address 1910 N Garden St, Boise, ID 83706Relationship to permit holder Irrigation District ManagerPhone No. 208-344-24714. Source Ground Water

tributary to _____

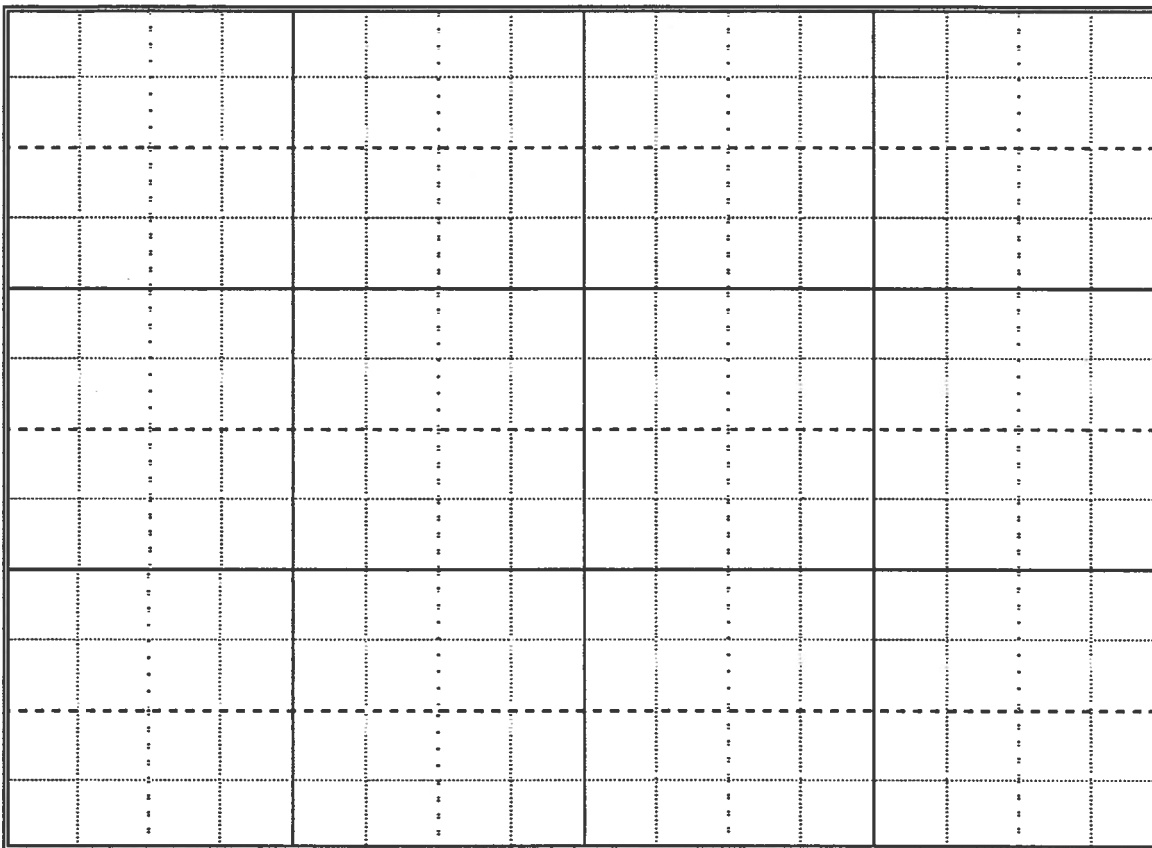
B. OVERLAP REVIEWUnidentified private water rights and the following Settlers
Irrigation District water rights:1. Other water rights with the same place of use 63-11185, 63-230L, 63-231D, 63-2080, 63-30602. Other water rights with the same source and point of diversion 63-11185**C. DIVERSION AND DELIVERY SYSTEM****1. Point(s) of Diversion:**

Ident. No.	Gov't Lot	¼	¼	¼	Sec	Twp	Rge	County	Method of Determination/Remarks
			SE	NE	28	4N	1W	Ada	Exam, 2009 Photo

2. Place(s) of Use:Method of determination Within Settlers Irrigation District (as decreed for 63-11185)

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe diameter (inside), as applicable. Use the space provided or ☒ see attached.



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
Black Cat Well	Franklin	15	8T15-725	Berkeley	6-inch

*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
Pump Curve						

2. **Measurements:** _____

700 gpm at 70 feet total dynamic head

E. NARRATIVE/REMARKS/COMMENTS

This permit was filed as a result of excess well capacity and additional irrigated area identified in the Department's 1991 licensing exam for water right 63-11185. The system has not changed since the 1991 licensing exam. The system description, diversion capacity, and narrative documented for water right 63-11185 applies to this permit. A copy of the Department's 1991 exam for 63-11185 is included as Attachment D.

The primary purpose of the well is to provide drainage relief to acres served by the McMullen Lateral that are subject to a high water table. As a secondary benefit, the drainage water pumped from the well provides supplemental irrigation water to those same acres. The well's purpose was recognized by the Department through their modification of Condition No. 7 via approval of the amended permit in March, 2011.

The place of use recommended for this right is the same place of use decreed in the SRBA for 63-11185, which is all lands within Settlers Irrigation District. Although the license issued for 63-11185 listed a more limited place of use, the decreed place of use is all lands within the District, and therefore for consistency, the District's lands are recommended for licensing of this permit.

Attachments: A) Permit Record and Proof of Beneficial Use

B) Well Drillers Report and Pump Curve

C) USGS Quadrangle Map and 2009 Aerial Photo

D) Water Right 63-11185 Licensing Exam

E) Exam Photos

Has the permit holder met all conditions of permit approval, including any mitigation requirements and/or measuring device installation requirements? ☒ Yes ☐ No If no, what must be done to meet the permit requirements?

F. FLOW CALCULATIONS☒ Additional computation sheets attached

Measured Method:

700 gpm or 1.56 cfs system capacity per 63-11185 licensing exam

Limited to 0.56 cfs per permit

Limited to 1.56 cfs system capacity when combined with water right 63-11185

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 408.6 \text{ acres} \times 4.5 \text{ afa} = 1838.7$$

$$V_{D.R.} = [\text{Diversión Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = 0.56 \text{ cfs} \times 260 \text{ dys} \times 1.9835 = 288.8$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = *288.8$$

*Limited to 804.6 afa system capacity when combined with water right 63-11185

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	3/1	11/15	0.56 cfs	288.8 afa
Totals:			0.56 cfs	288.8 afa

2. Recommended Amendments

☐ Change P.D. as reflected on page 1☐ Add P.D. as reflected on page 1☒ None☒ Change P.U. as reflected on page 1☐ Add P.U. as reflected on page 1☐ Other**I. AUTHENTICATION**

Field Examiner's Signature

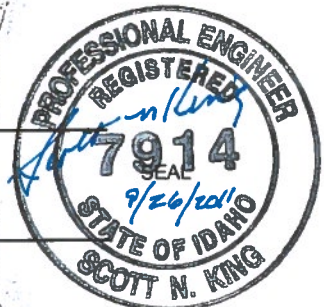
Scott N. King

Date

9/26/2011

Reviewer

Date



ATTACHMENT A

PERMIT RECORD AND PROOF OF BENEFICIAL USE

State of Idaho
Department of Water Resources

AMENDED Permit to Appropriate Water AMENDED

NO. 63-31980

Priority: August 09, 2004

Maximum Diversion Rate: 0.56 CFS

This is to certify, that **SETTLERS IRRIGATION DISTRICT**
PO BOX 7571
BOISE ID 83707

has applied for a permit to appropriate water from:

Source: GROUND WATER

and a permit is APPROVED for development of water as follows:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE OF DIVERSION</u>
IRRIGATION	03/01 to 11/15	0.56 CFS

LOCATION OF POINT(S) OF DIVERSION:

GROUND WATER SE1/4NE1/4 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													18.1	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

CONDITIONS OF APPROVAL

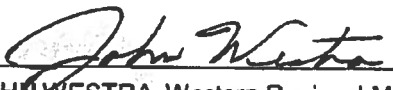
1. Proof of application of water to beneficial use shall be submitted on or before **March 01, 2013**.
2. Subject to all prior water rights.
3. Project construction shall commence within one year from the date of permit issuance and shall proceed diligently to completion unless it can be shown to the satisfaction of the Director of the Department of Water Resources that delays were due to circumstances over which the permit holder had no control.
4. This right does not grant any right-of-way or easement across the land of another.
5. After specific notification by the Department, the right holder shall install a suitable measuring device or shall enter into an agreement with the Department to use power records to determine the amount of water diverted and shall annually report the information to the Department.
6. This right when combined with all other rights shall provide no more than 0.02 cfs per acre or more than 4.5 afa per acre at the field headgate for irrigation of the place of use.

State of Idaho
Department of Water Resources
Permit to Appropriate Water

NO. 63-31980

7. 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.
8. If the surface water right(s) appurtenant to the place of use is abandoned, forfeited, sold, transferred, leased or used on any other place of use, this right to divert ground water 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.
9. Water bearing zone to be appropriated is from 15 to 88 feet.
10. Water is diverted into the McMullen Lateral.
11. The Director retains jurisdiction to require the right holder to provide purchased or leased natural flow or stored water to offset depletion of Lower Snake River flows if needed for salmon migration purposes. The amount of water required to be released into the Snake River or a tributary, if needed for this purpose, will be determined by the Director based upon the reduction in flow caused by the use of water pursuant to this permit.

This permit is issued pursuant to the provisions of Section 42-204, Idaho Code. Witness the signature of the Director, affixed at Boise, this 2nd day of March, 20 11.


JOHN WESTRA, Western Regional Manager

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
STATEMENT OF COMPLETION
FOR SUBMITTING PROOF OF BENEFICIAL USE

FOR OFFICE USE ONLY

Amt. of Fee \$: _____
Receipt No. _____
Receipt By: _____
Date Received: _____

The Idaho Department of Water Resources considers this form a statement by the permit holder(s) that development of a water right has been completed and that water has been applied to beneficial use to the extent described below. This form must be accompanied by an examination fee, when necessary, or by a completed Beneficial Use Field Report prepared by a certified water right examiner. Please refer to the instructions and fee schedule for this form. If ownership of the permit has changed, please contact any Department office or visit the Department's website at: www.idwr.idaho.gov for an Assignment of Permit form. If you wish to relinquish your permit because you have not established the authorized use of the water and are not applying for an extension, please notify the Department in writing.

1. Permit No.: 63-31980 Telephone No.: 344-2471

2. Name of Permit Holder(s): Settlers Irrigation District

3. Mailing Address: PO Box 7571 City: Boise

State: ID Zip: 83707 Email: _____

4. Source of Water: Ground Water If **GROUND WATER** (well), Date Drilled: mo. June / yr. 1963

Well Driller: Francis Veach Drilling Permit Number: 03471

5. Extent of use(s) completed (as authorized by the water right permit):

Domestic (No. of households): _____ Stockwater (No. and type of stock): _____

Irrigation (No. of acres): 408.6 Other: _____

6. Total rate of diversion or storage volume for which proof is submitted: 0.56 cfs OR _____ acre-feet.

7. Compliance with a measuring device requirement, lockable controlling device requirement, and/or other conditions of permit: **Refer to the approval conditions on your permit and respond accordingly. The Department will not issue a license if permit conditions are not met.**

Measuring Device: Is a measuring device required?

Yes ☐	No ☒
Yes ☐	No ☐

If yes, has the measuring device been installed?

Lockable Controlling Device: Is a lockable device required to control the diversion?

Yes ☐	No ☒
Yes ☐	No ☐

If yes, has the lockable device been installed?

Other Conditions of Permit: Do the approval conditions on your permit require you to submit additional information in connection with your proof of beneficial use? If yes, list the conditions below and attach documents with the required information.

Completed?

Yes ☐	No ☒
------------------------------	--

8. Fee Enclosed: \$ n/a See fee schedule on back of the instructions for filing proof of beneficial use. Proofs filed without an appropriate fee, will be considered incomplete.

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

Name: n/a Telephone Number: _____

Mailing Address: _____ City: _____

State: _____ Zip: _____ Email: _____

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 and applied to a beneficial use. I understand that any undeveloped portion of the permit is relinquished to the State of Idaho.

Signature of permit holder: *Robert Dyer* MANAGER Date: 8-3-11
(Include your title, if on behalf of company or organization)

Mail to: Idaho Department of Water Resources, PO Box 83720, Boise, ID 83720-0098

ATTACHMENT B

WELL DRILLERS REPORT AND PUMP CURVE

WELL LOG AND REPORT TO THE STATE RECLAMATION ENGINEER OF IDAHO

Log No. _____
 Rec. _____, 19____
 Well No. _____
 Permit No. 084741

(DO NOT FILL IN)

Owner Settler's Irrigation Dist. Address Meridian, Idaho
 Driller F. Veach Address Meridian Lic. No. 41
 Location of Well: N 28 4 NE 4 1/4 Sec. 28, T. 4 NS, R. 1 EW Ada County,
 and _____ feet N/S, and _____ feet E/W from _____ Corner of _____ 1/4 _____ 1/4 Sec. _____
 Size of Drilled Hole 16' Total depth of Well 107'
 Give depth of standing water from surface 8' Water Temp. _____ °Fahrenheit
 On pumping test delivery was air compressor 5.50 g.p.m. or _____ c.f.s. Drawdown was 12 feet.
 Size of pump and motor used to make the test compressor 315'
 Length of time pumped during check was 5 hr., _____ minutes.
 If flowing well, give flow in c.f.s. _____ or g.p.m. _____ and shut in pressure _____
 If flowing well, describe control works _____ (TYPE AND SIZE OF VALVE, ETC.)
 Water will be used for irrigation drainage Weight of casing per linear foot 50 ?
 Thickness of casing 5/16 Casing material _____ E.G., PIPE, CONCRETE, WOOD.
 Diameter, length and location of casing 16' - 107' - 1-107
 (CASING 12" IN DIAMETER AND UNDER GIVE INSIDE DIAMETER;
 CASING OVER 12" IN DIAMETER GIVE OUTSIDE DIAMETER.)
 Number and size of perforations 10 per ft. 1/2 x 4 in. located 1 feet to 107 feet
 from surface of ground.
 Other perforations _____
 Date of commencement of well April 11, '63 Date of completion of well June 14, '63
 Type of well rig Star T'

CASING RECORD

DIAM. CASING	FROM FEET	TO FEET	LENGTH	REMARKS -- SEALS, GROUTING, ETC.

GENERAL INFORMATION—Pumping Test, Quality of Water, Etc.

drilled 8" hole to feed gravel in well
57' feet of pipe - drilled to 100'

N 28 ENE S. 28 4 N 1 W

WELL LOG

[illegible]

WELL DRILLER'S STATEMENT

This well was drilled under my jurisdiction and the above information is true and correct to the best of my knowledge and belief.

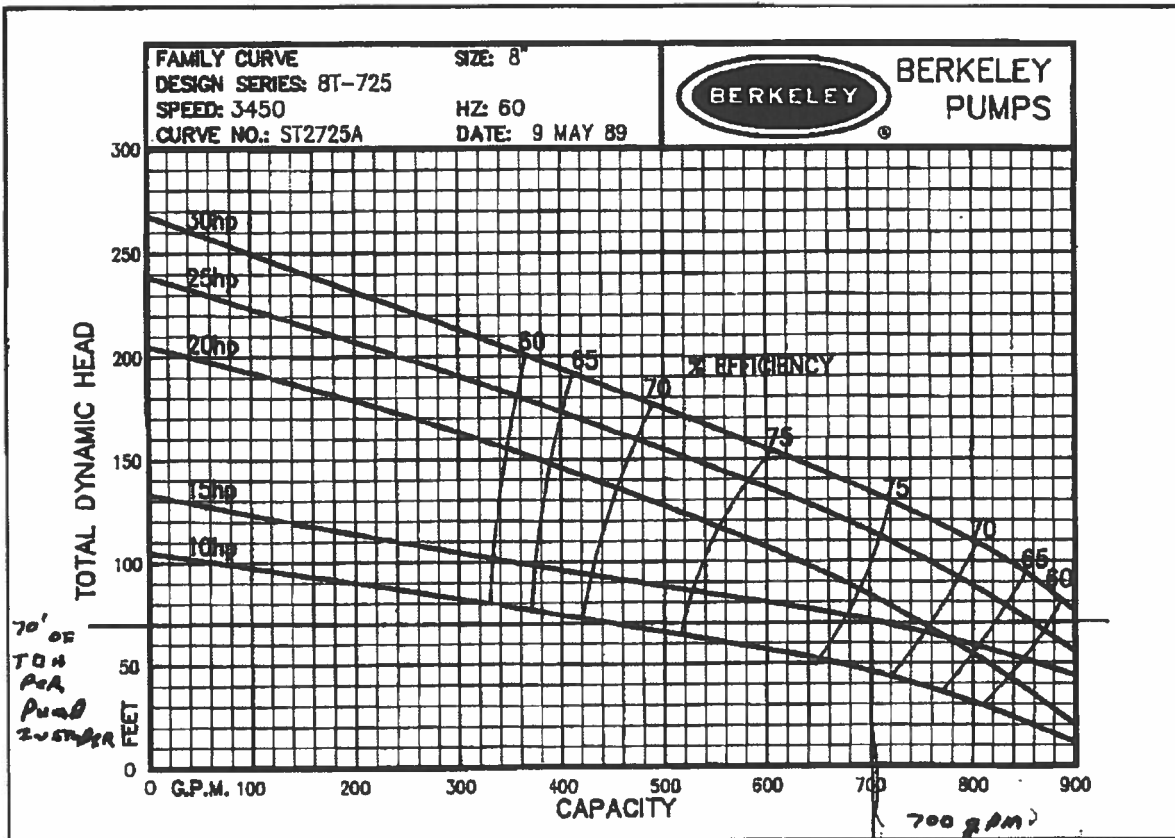
Signed Francis Keach

By.....

Dated July 1 19 63

License No. 41

Submersible Turbine Model 8T-725



Specifications

CURVE No. ST2725A

LIQUID END WEIGHTS

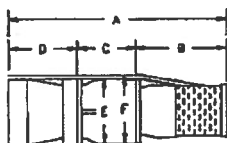
DESCRIPTION	WEIGHT LBS.	HP RATING	MOTOR FLANGE
ONE STAGE L.E.	107.5	10-30	8"
ONE STAGE L.E.			
ONE STAGE L.E.			
EACH ADDED STAGE	29.0	ALL	ALL

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	8"

890506



CARON PUMP COMPANY

11028 CULDESAC WAY
BOISE, ID 83703
PH. (208) 939-9198

INVOICE

03/31/04

10564

SETTLER'S IRRIGATION DISTRICT
1910 N. GARDEN ST.

Boise, ID 83706

PO NUMBER

GRAMS

PO NUMBER

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. 480 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

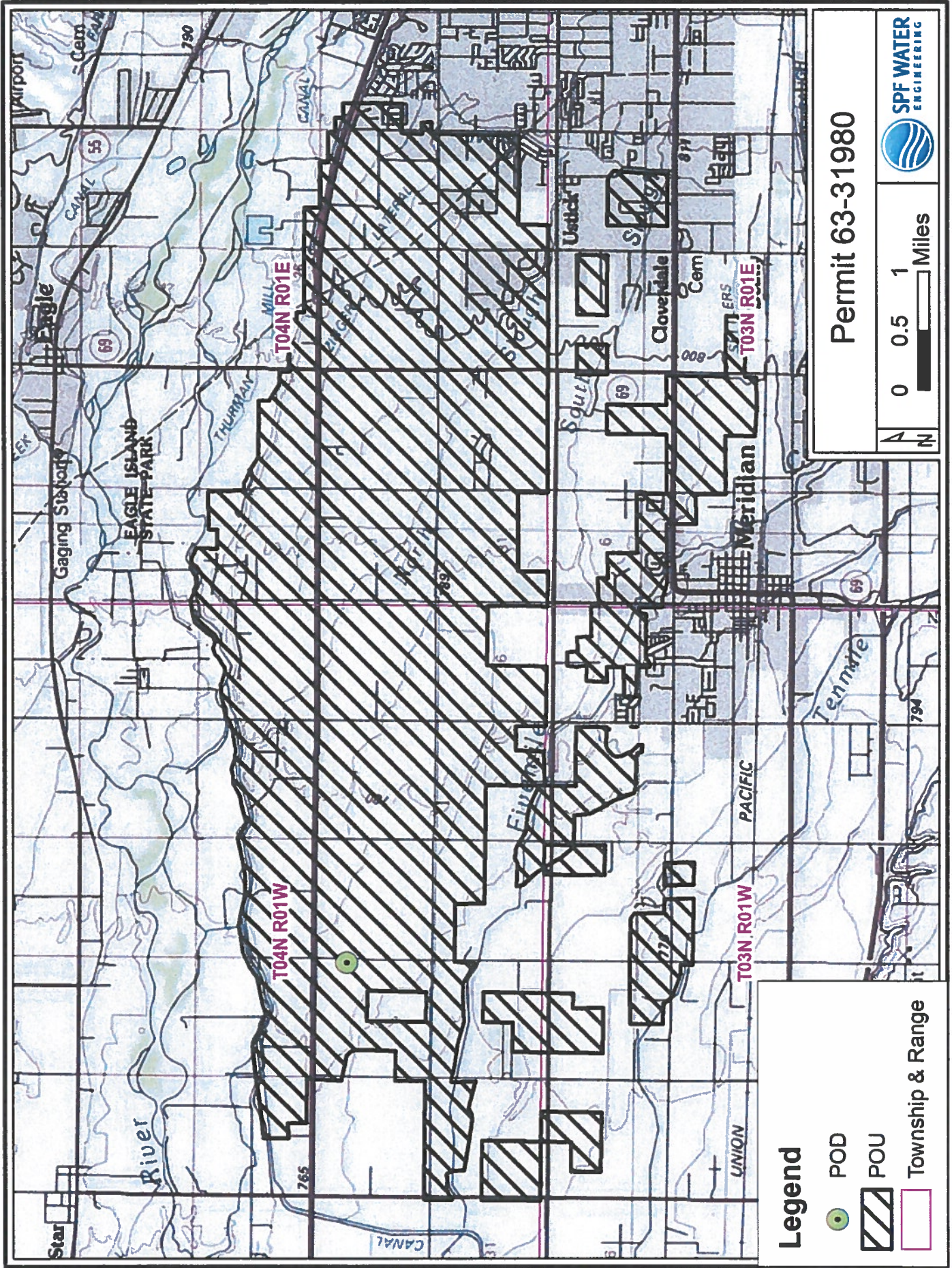
Balance Due:

4,238.00

*✓ # 3730
4/5/04*

TOTAL

ATTACHMENT C
TOPO MAP AND 2009 AERIAL PHOTO



Legend

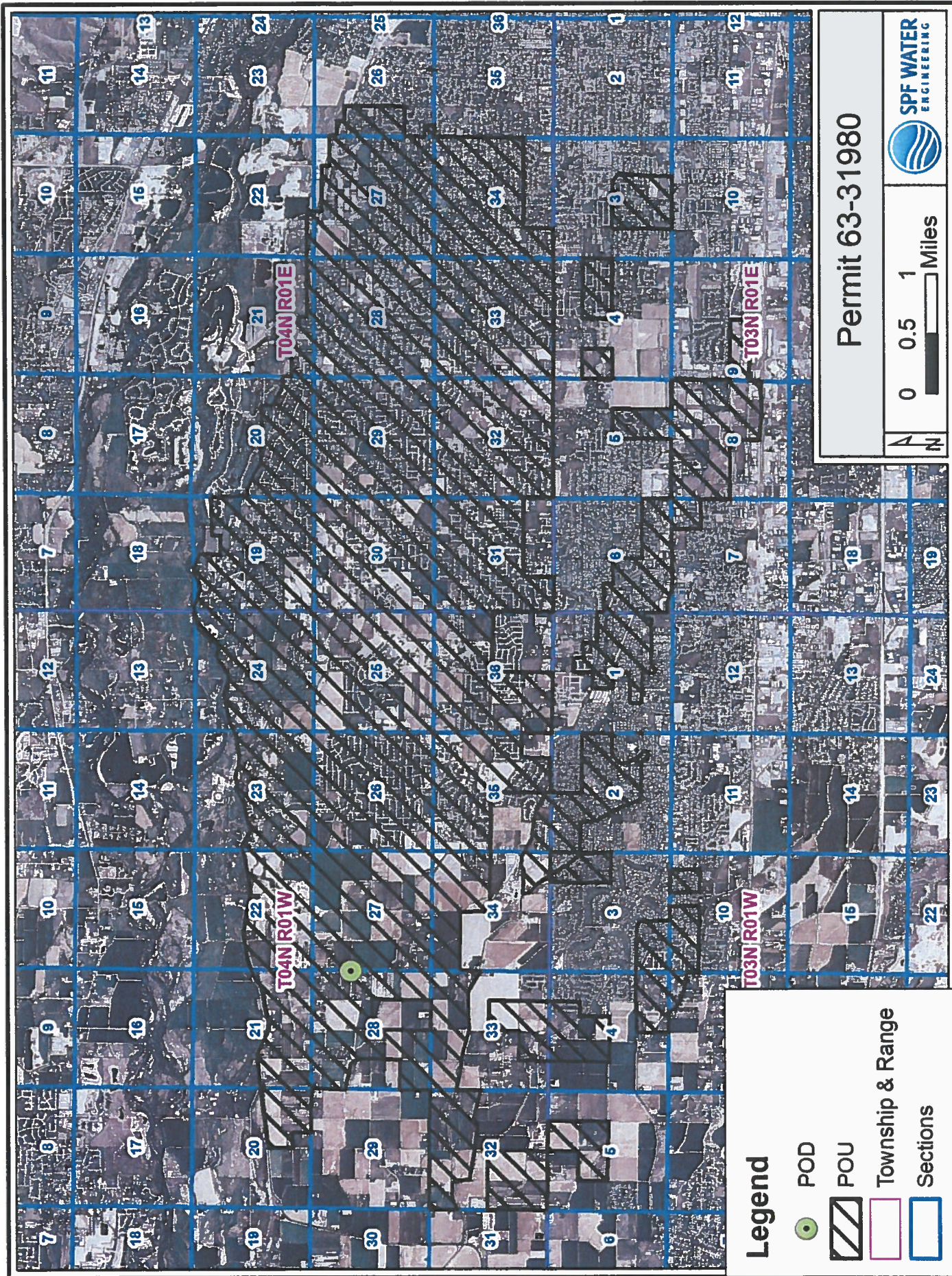
- POD
- POU
- Township & Range

Permit 63-31980





SPF WATER
ENGINEERING



Legend



POD



POU

Township & Range

Sections

Permit 63-31980



ATTACHMENT D

63-11185 LICENSING EXAM

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	38.8	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>Calib. 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 0.56 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 _____

ATTACHMENT E

PHOTOS



Well, in lower left of photo, is equipped with a submersible pump discharging through a six-inch PVC pipe into the McMullen Lateral.



Well.



Photo showing McMullen Lateral and discharge pipe. Well is on left.