

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 21-7132

Exam Date: July 10, 1987

1. Current Owner: CURTIS LOOSLI
3140 E 1100 N
ASHTON ID 83420

And/Or

S LYNN LOOSLI
3140 E 1100 N
ASHTON ID 83420
(208)652-3312

And/Or

DALE L BUCKWALTER
836 N 3275E
PO BOX 870
ASHTON ID 83420
(208)652-0209

2. Accompanied by: Lynn Loosli
Phone No:
Address:
Relationship to Permit Holder: Owner

3. **SOURCE****TRIBUTARY**

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 21-7030, 21-7048, 21-12901
2. Other water rights with the same point of diversion: 21-7030, 21-12901

C. DIVERSION AND DELIVERY SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER	L4 NW1/4SW1/4SW1/4	Sec. 21,	Twp 08N,	Rge 42E, B.M.
FREMONT County				
GROUND WATER	L1 NE1/4SE1/4SE1/4	Sec. 20,	Twp 08N,	Rge 42E, B.M.
FREMONT County				
GROUND WATER	L1 SW1/4NE1/4SE1/4	Sec. 21,	Twp 08N,	Rge 42E, B.M.
FREMONT County	(Rediversion)			
GROUND WATER	L1 SE1/4SE1/4SE1/4	Sec. 20,	Twp 08N,	Rge 42E, B.M.
FREMONT County	(Injection)			
GROUND WATER	L1 SE1/4SE1/4SE1/4	Sec. 20,	Twp 08N,	Rge 42E, B.M.
FREMONT County	(Injection)			
GROUND WATER	L1 NW1/4SE1/4SE1/4	Sec. 20,	Twp 08N,	Rge 42E, B.M.
FREMONT County	(Rediversion)			
GROUND WATER	L8 SW1/4SW1/4NE1/4	Sec. 23,	Twp 08N,	Rge 42E, B.M.
FREMONT County	(Rediversion)			

GROUND WATER	SW1/4SW1/4SE1/4	Sec. 16,	Twp 08N,	Rge 43E, B.M.
FREMONT County	(Rediversion)			
GROUND WATER	NW1/4SE1/4SE1/4	Sec. 17,	Twp 08N,	Rge 43E, B.M.
FREMONT County	(Rediversion)			
GROUND WATER	NE1/4SE1/4NW1/4	Sec. 8,	Twp 08N,	Rge 43E, B.M.
FREMONT County	(Rediversion)			

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	
08N	42E	21			40.0	40.0			40.0	40.0	38.8	40.0	11.2		14.0	36.5			300.5
08N	42E	22								2.2				2.7	40.0	28.4	35.7	39.0	148.0
08N	42E	23								35.1	40.0	40.0	36.5						151.6
08N	43E	7																4.2	4.2
08N	43E	8			18.7	38.2				8.5	37.7	5.2	22.9	20.1	40.0	40.0	32.9	25.3	289.5
08N	43E	9								40.0	40.0	19.4	14.4			40.0	37.7	40.0	231.5
08N	43E	16	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	25.1	20.2	19.2	40.0	14.5	.9		519.9
08N	43E	17	38.5	31.1	40.0	40.0	37.3	12.1	6.6	36.7	20.0				37.9	28.5		3.7	332.4
08N	43E	18	9.1																9.1

Total Acres: 1986.7

Method of Determination:

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

4.

<u>Well or Diversion ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge Size</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

*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>
----------------------------------	-------------	-------------	------------------	-------------------	-------------	--------------------

See attached 'Report A' and 'Report B'

2. Measurements:

*See attached 'Report A'***E. FLOW CALCULATIONS**☒ Additional Computation Sheets Attached

Measured Method:

See attached 'Report A'

F. 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:

G. NARRATIVE/REMARKS/COMMENTS

Static water at about 50 feet.

These two wells are used to supplement surface water rights during low water years. The applicants wish to use the supplemental water through existing pumps diverting water from Fall River and Conant Creek, exchanging groundwater for surface water. There are six rediversion pumps under application. Locations and descriptions are attached. Information on rediversion pumps is from Water District 01 records. I was not able to visit each pump at exam due to weather problems.

Both exchange wells discharge into Fall River. At time of exam the flow meters had been vandalized and were not working. Mr. Loosli stated that the meters must be working when pumps are in use. For this exam, I used a Sparling meter attached to discharge. Power company allowed Mr. Loosli to turn pumps on for exam. Wells were not used this season.

Have conditions of permit approval been met? ☒ Yes ☐ No

H. RECOMMENDATIONS

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
IRRIGATION	05/01 to 10/31	9.670 CFS	
<u>Totals:</u>		9.670 CFS	3,529.20 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

Field Examiner's Name Written up for Keith Wilson Date 1-22-13
 Reviewer Denise Kilmann Date 1-22-13

STATE OF IDAHO DEPARTMENT OF WATER RESOURCES BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

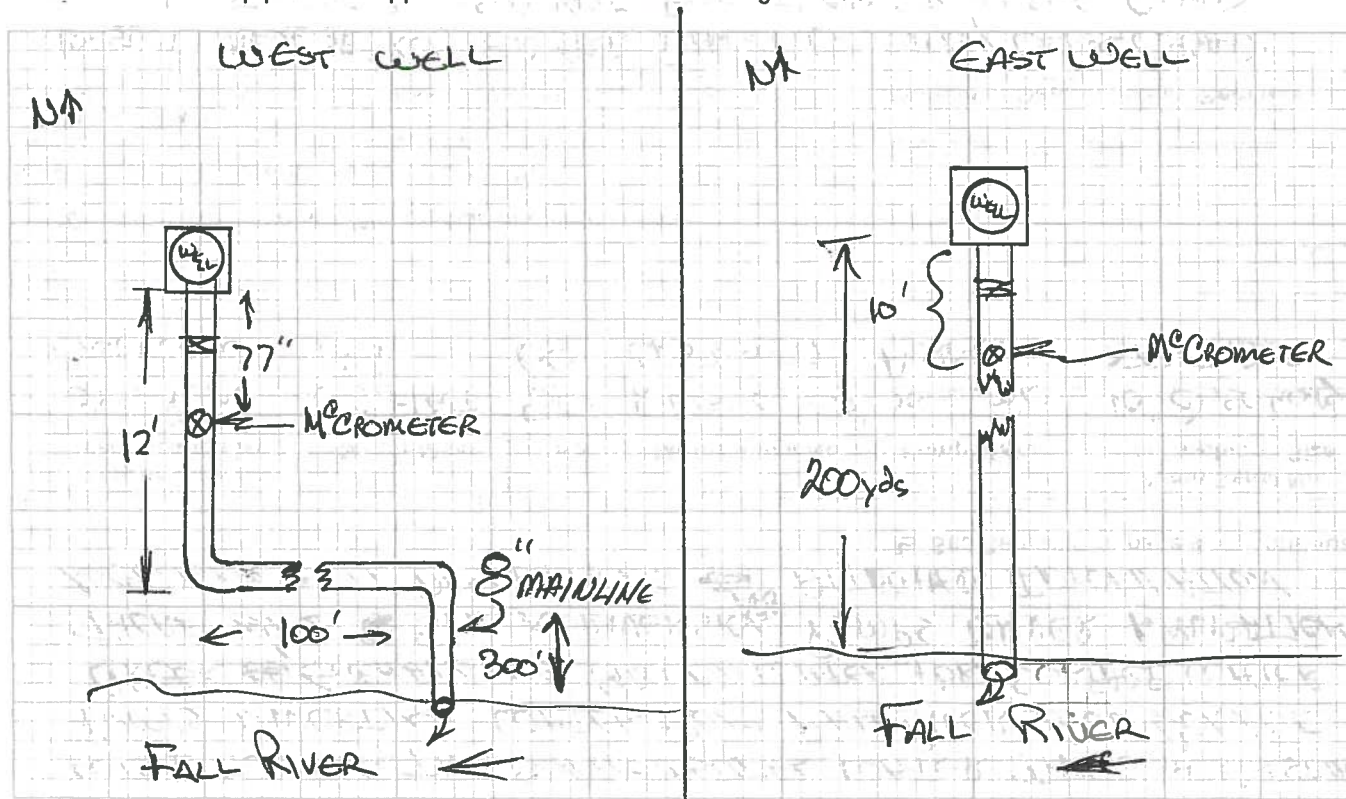
1. Owner: LYNN OR CURTIS ^{LOOSLI} OR LEON MARTINDALE Permit No. 21-7132
 Current Address: RT 1 Box 72, Ashton, ID 83420 Phone No. 652-3312
 2. Accompanied by: LYNN LOOSLI EXAM. DATE: 10-JULY-1987
 Address: ABOVE Phone No. 652-3312
 Relationship to Permit Holder: PART OWNER
 3. Source: GROUNDWATER tributary to (EXCHANGED FOR FALL RIVER WATER TRIB. TO SNAKE RIVER)

B. OVERLAP REVIEW

1. Other water rights with same place of use: _____ ☐ 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).
☒ Photo of Diversion and System Attached
 (required for all but single household domestic groundwater, and stockwater.)
☐ Aerial Photo Attached
 (required for irrigation of 10 acres or more).

System Description (continued)

3. **Narrative:** Description (As operating at time of measurement. Indicate pressure, number of sprinklers, etc.)

Static water @ ~ 50'
 THESE TWO WELLS ARE USED TO SUPPLEMENT SURFACE WATER RIGHTS DURING LOW WATER YEARS. THE APPLICANTS WISH TO USE THE SUPPLEMENTAL WATER THROUGH EXISTING PUMPS DIVERTING WATER FROM FALL RIVER AND CONANT CREEK ~~BY~~ EXCHANGING GROUND WATER FOR SURFACE WATER. THERE ARE ~~6~~ SIX REDIVERSION PUMPS UNDER APPLICATION. LOCATIONS AND DESCRIPTIONS ~~ON~~ ^{ARE} ATTACHED. INFORMATION

☒ 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
WEST PUMP	U.S. ELECT.	50	R-6232-02-153	JOHNSTON	10" Discharge
EAST WELL	G.E.	60	CWS309397	AURORA	577-71309

*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
WEST	1	NE	SE	SE	20	8N	42E	FREMONT	ON SITE / USGS QUAD
EAST	1	SE	SE	SE	20	8N	42E	FREMONT	ON SITE / USGS QUAD

6. **Place(s) of Use:**

Indicate Method of Determination _____

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	

Do not use this space

D. FLOW MEASUREMENTS

☐ Additional Data Sheets Attached

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
<i>NOT WORKING</i> <i>ENOUGH</i> M ² CROMETER (WEST)	10-LINE			77-8-3994		
M ² CROMETER (EAST)				N/A		
SPARKING METER						

2. Measurements:

WESTWELL - 10 REV DR 0.01AF IN 99.58 sec = 4.37 cfs

EASTWELL - 0.01AF IN 82.13 sec = 5.304 cfs

CAPACITY = 9.67 cfs

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

1. Measured Method:

$$\text{THEORETICAL } Q = \frac{(HP)(8.814)(E)}{H + \frac{1}{2}(2.308)} = \frac{(50)(8.814)(.8)}{50} = 7.05 \text{ cfs}$$

2. Alternate Method for Checking Purposes:

Allow CAPACITY OF 9.67 cfs

$$\text{EASTWELL } \frac{(60)(8.814)(.8)}{50} = 8.461 \text{ cfs}$$

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 Amps x .001732 = _____ (6)

Panel Input HP: (6) x 1.34 = _____ (7) Efficiency: (5)/(7) x 100 = _____ %

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \underline{\hspace{2cm}}$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = \underline{\hspace{2cm}}$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = \underline{\hspace{2cm}}$$

2. Volume Calculations for Other Uses:

H. REMARKS AND OVERLAP REVIEW ANALYSIS

ON REDIVERSION PUMPS IS FROM WATER DISTRICT 01 RECORDS. I WAS NOT ABLE TO VISIT EACH PUMP @ EXAM DUE TO WEATHER PROBLEMS. ~~BOTH WELLS DISCHARGE INTO FALL~~ BOTH EXCHANGE WELLS DISCHARGE INTO FALL RIVER. AT TIME OF EXAM THE FLOW METERS HAD BEEN VANDALIZED AND ~~WERE~~ WERE NOT WORKING. MR. BLOOSLI STATED THAT THE METERS MUST BE WORKING WHEN PUMPS ARE IN USE. FOR THIS EXAM I USED A SPARKING METER ATTACHED TO DISCHARGE. POWER COMPANY ALLOWED MR. LOOSLI TO TURN PUMPS ON FOR EXAM. ~~BUT~~ WELLS WERE NOT USED THIS SEASON.

I. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
IRRIGATION	4/1	11/1	9.67 cfs	
Totals:			9.67 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 |

J. AUTHENTICATION

Field Examiner's Name _____

Signature _____

Certification Date _____

Field Report Preparation Date _____

CONSULTANT SEAL

- K. Licensing recommendation shall be prepared by an Idaho Department of Water Resources employee on a computer printout attached hereto.

STATE OF IDAHO DEPARTMENT OF WATER RESOURCES BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

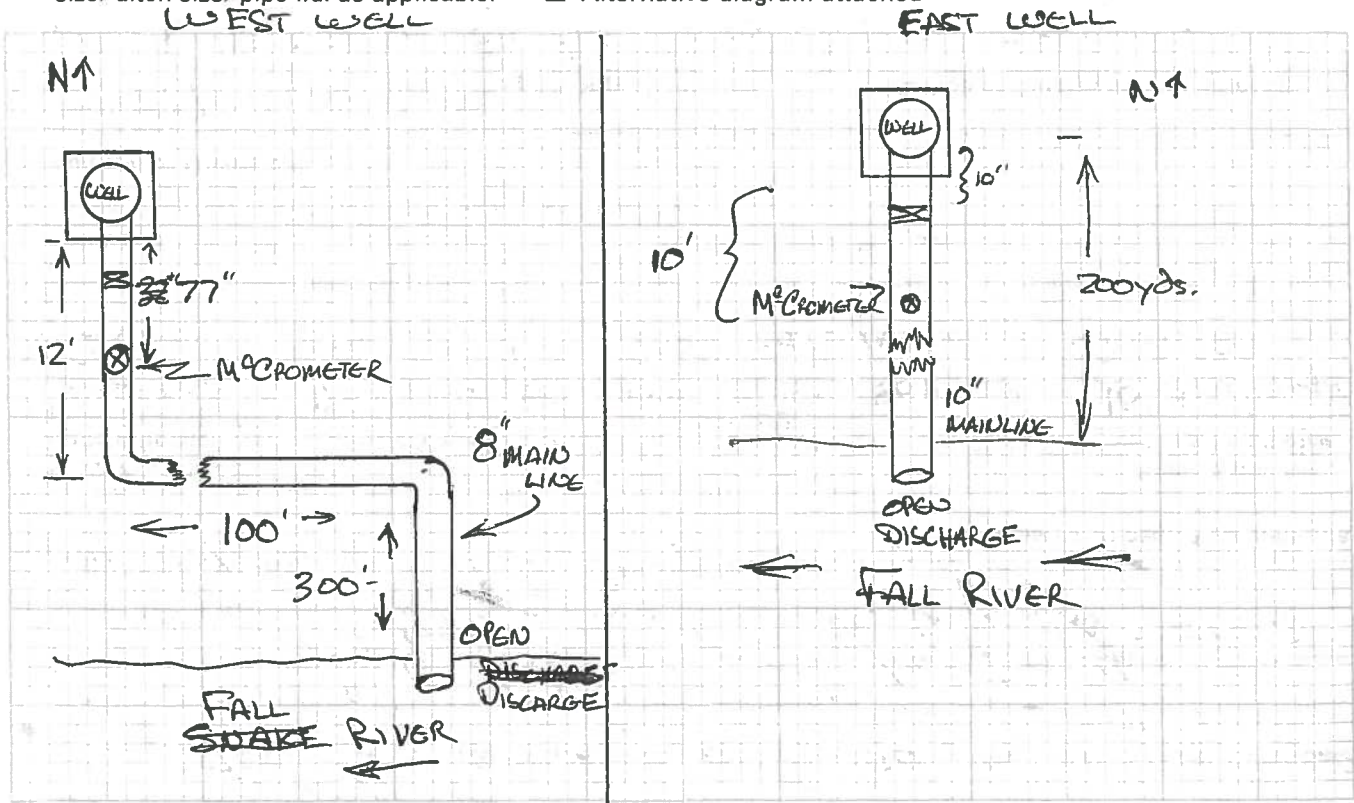
Permit No. 21-7132
 1. Owner: LYNN OR CURTIS LOOSLI OR LEON MARTINDALE Phone No. 652-3312
 Current Address: RT 1 Box 72, Ashton, Id. 83420
 2. Accompanied by: LYNN LOOSLI EXAM. DATE: 10th JULY-1987
 Address: RT 1 Box 72, Ashton, Id. 83420 Phone No. 652-3312
 Relationship to Permit Holder: OWNER
 3. Source: GROUNDWATER tributary to _____

B. OVERLAP REVIEW

1. Other water rights with same place of use: _____ ☐ 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).
☐ Photo of Diversion and System Attached (required for all but single household domestic groundwater, and stockwater).
☒ Aerial Photo Attached (required for irrigation of 10 acres or more).

System Description (continued)

3. **Narrative:** Description (As operating at time of measurement. Indicate pressure, number of sprinklers, etc.)

West recharge pump - 56' to water
 EAST recharge pump -
 These two recharge wells are used to supplement water to licenses _____ and _____. The wells are used only in short water years. Last time they were needed was 1977. Applicant is able to rent water in most years, which is cheaper.

☒ 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
West Pump	U.S. ELECTRIC	50	R-632-02-153 R240502	JOHNSTON	10" discharge
EAST Pump	GE	60	CN3309397	AURORA	377-71309

*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
WEST	1	NE	SE	SE	20	8N	42E	FREMONT	ON SITE / USGS QUAD.
EAST	1	SE	SE	SE	20	8N	42E	FREMONT	ON SITE / USGS QUAD.

6. **Place(s) of Use:**

Indicate Method of Determination _____

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	

Do not use this space

D. FLOW MEASUREMENTS

☐ Additional Data Sheets Attached

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Waterman 6- McCracken Flow Meter	McCracken			77-8-374		

2. Measurements:

West Well - Sparking meter 10 runs @ 0.01 AF in 99.58 sec. 4.37 af.
East Well - Sparking meter 0.01 AF in 82.13 sec. 5.30

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

1. Measured Method:

2. Alternate Method for Checking Purposes:

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 Amps x .001732 = _____ (6)

Panel Input HP: (6) x 1.34 = _____ (7) Efficiency: (5)/(7) x 100 = _____ %

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$ _____

$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 =$ _____

$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} =$ _____

2. Volume Calculations for Other Uses:

H. REMARKS AND OVERLAP REVIEW ANALYSIS

Both wells discharge through mainline into Fall River. At time of exam time, a flow meter on West well was inoperable. The meter on East well was removed by neighbors to replace a broken meter. Applicant is in process of repairing West well meter and expects to replace East well this fall. Portable mainline is taken up and stored away from wells to prevent vandalism when system is not in use. Since flow meters weren't working & installed by the department, repairing meter off discharge end for measurement.

I. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Totals:				

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 |

J. AUTHENTICATION

Field Examiner's Name _____
 Signature _____
 Certification Date _____
 Field Report Preparation Date _____

CONSULTANT SEAL

- K. Licensing recommendation shall be prepared by an Idaho Department of Water Resources employee on a computer printout attached hereto.

West Pump

T08N R42E Sec 20 NESESE

Field Exam 7-10-1987

Spar. ling Meter

10 revs or 0.01 AF in 99.58 sec = 4.37 cfs

Theoretical

(HP)(8.814)(E)/50

50(8.814)(0.8)/50 = 7.05 cfs

East Pump

T08N R42E Sec 20 SESESE

Field Exam 7-10-1987

Spar. ling Meter

0.01 AF in 82.13 sec = 5.3 cfs

Theoretical

(HP)(8.814)(E)/50

60(8.814)(0.8)/50 = 8.461 cfs

Allow Capacity of 9.67 cfs for both wells

West Pump

T08N R42E Sec 20 NESESE

Field Exam 7-19-2002

Spar. ling Meter

807.84 gpm

763.66 gpm

798.176 gpm

2369.676/448.8 = 5.28 cfs

East Pump

T08N R42E Sec 20 SESESE

Field Exam 7-19-2002

IDWR Equipment

Avg. 55 gal/8.215 sec

Q= 401.704 gpm

401.704/448.8 = 0.895 cfs

Both well capacity = 6.175 cfs

FIELD REPORT

A. GENERAL INFORMATION

1. Owner: Loosli

13048549
UP-STREAM INJECTION
WELL

EXAM DATE: 7/19/2002

3. Source: GROUND WATER tributary to _____

B. UP-STREAM INJECTION WELL

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
13048549	GEN-ELECTRIC	60	CNJ309397	AURORA-VERTILINE	V77-71309

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

C. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
UPSTREAM SYSTEM EQUIP.	Totalizer	McCrometer	GPM Totalizer in ac-ft	7910536	-	-
IDWR EQUIPMENT	DRUM	-	-	-	55gal	-

2. Measurements:

UPSTREAM SYSTEM	IDWR EQUIPMENT
McCrometer Q = 500 gpm	55gal / 8.13 sec
McCrometer Totalizer	55gal / 7.82 sec
0.01 ac-ft in 3min 7.73 sec	55gal / 8.06 sec
0.01 ac-ft in 3min 7.72 sec	55gal / 8.85 sec
0.01 ac-ft in 3min 7.74 sec	Avg 55gal / 8.215 sec Q = 401.704 gpm
Avg 0.01 ac-ft in 3min 7.73 sec	Q = 401.704 gpm = 0.895 cfs
Q = 2.32035 cfs = 1041.37 gpm	

AUTHENTICATION

Field Examiner's Name Keith C Wilson Date 7/19/2002

Field Examiner's Name Brycen Radner Date 7-19-02

FIELD REPORT

A. GENERAL INFORMATION

1. Owner: Loosli

13048549
DOWN-STREAM INJECTION
WELL

EXAM DATE: 7/19/2002

3. Source: GROUNDWATER tributary to _____

B. DOWN-STREAM INJECTION WELL

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
13048549	U.S. Electric High Thrust	50	R-6232-02-153 R2110502	JOHNSTON	No S/N 8" discharge

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

C. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
DOWNSTREAM SYSTEM EQUIP	Totalizer	McCrometer	GPM Totalizer in 1000 gal	7985278	-	-
IDWR EQUIPMENT	Totalizer	Hersey-Sparling	Ac-ft	STID 00433 SN 61015	-	-

2. Measurements:

DOWNSTREAM SYSTEM

McCrometer Q = 1100 - 1900 gpm
(FLOW METER WAS NOT STABLE)

10,000 gal in 6 min 40 sec

1000 gal in 42.9 sec

10,000 gal in 6 min 46.57 sec

$Q = 10000 \text{ gal} / 6 \text{ min } 40 \text{ sec} = 1500 \text{ gpm}$

$Q = 1000 \text{ gal} / 42.9 \text{ sec} = 1398.6 \text{ gpm}$

$Q = 10000 \text{ gal} / 6 \text{ min } 46.57 \text{ sec} = 1475.76 \text{ gpm}$

IDWR EQUIPMENT

SPARLING METER

0.001 ac-ft in 24.2 sec

0.001 ac-ft in 25.6 sec

0.01 ac-ft in 4 min 4.93 sec

$Q = 0.001 \text{ ac-ft in } 24.2 \text{ sec} = 1.80 \text{ cfs} = 807.84 \text{ gpm}$

$Q = 0.001 \text{ ac-ft in } 25.6 \text{ sec} = 1.70 \text{ cfs} = 763.66 \text{ gpm}$

$Q = 0.01 \text{ ac-ft in } 4 \text{ min } 4.93 \text{ sec} = 1.778 \text{ cfs} = 798.176 \text{ gpm}$

AUTHENTICATION

Field Examiner's Name

Keith C Wilson

Date

7/19/2002

Field Examiner's Name

Byron Radjen

Date

7-19-02

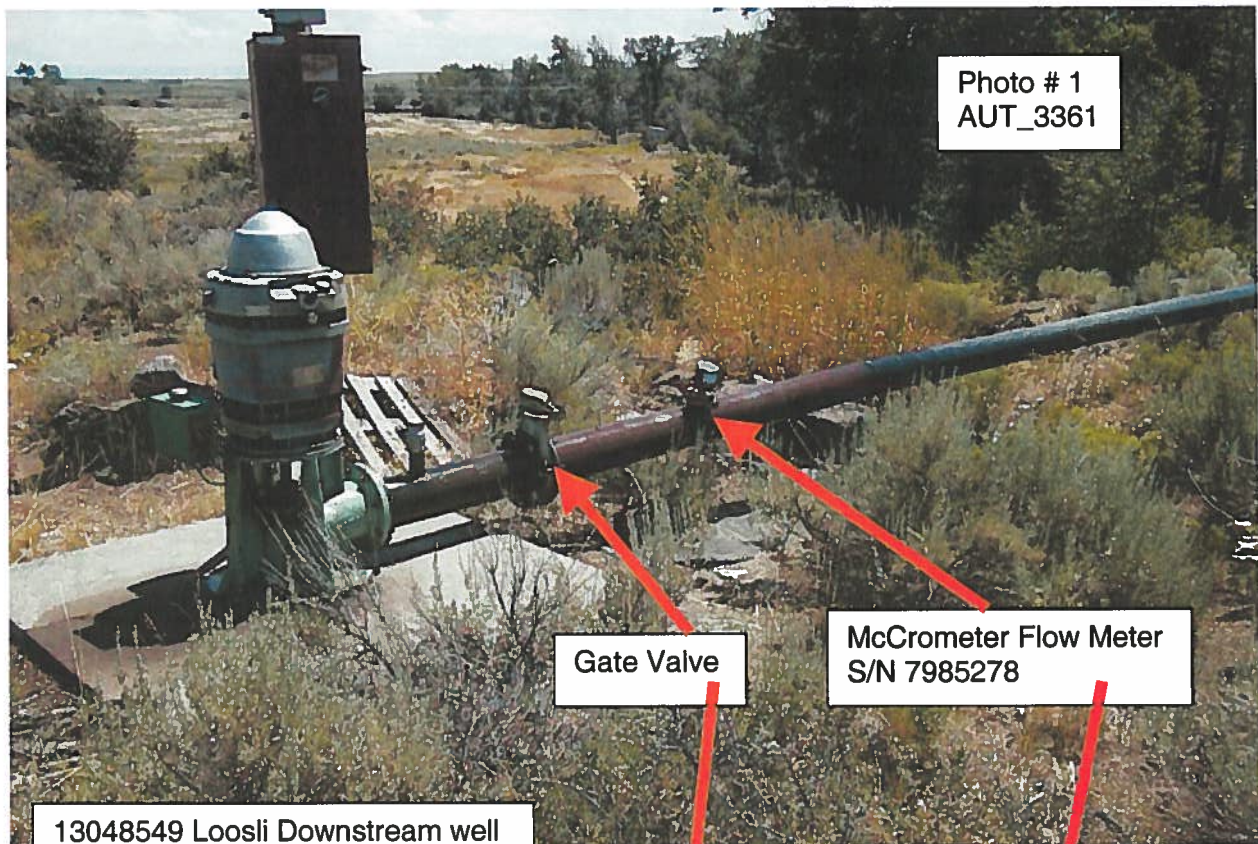


Photo # 1
AUT_3361

Gate Valve

McCrometer Flow Meter
S/N 7985278

13048549 Loosli Downstream well
Photo taken 7/19/2002

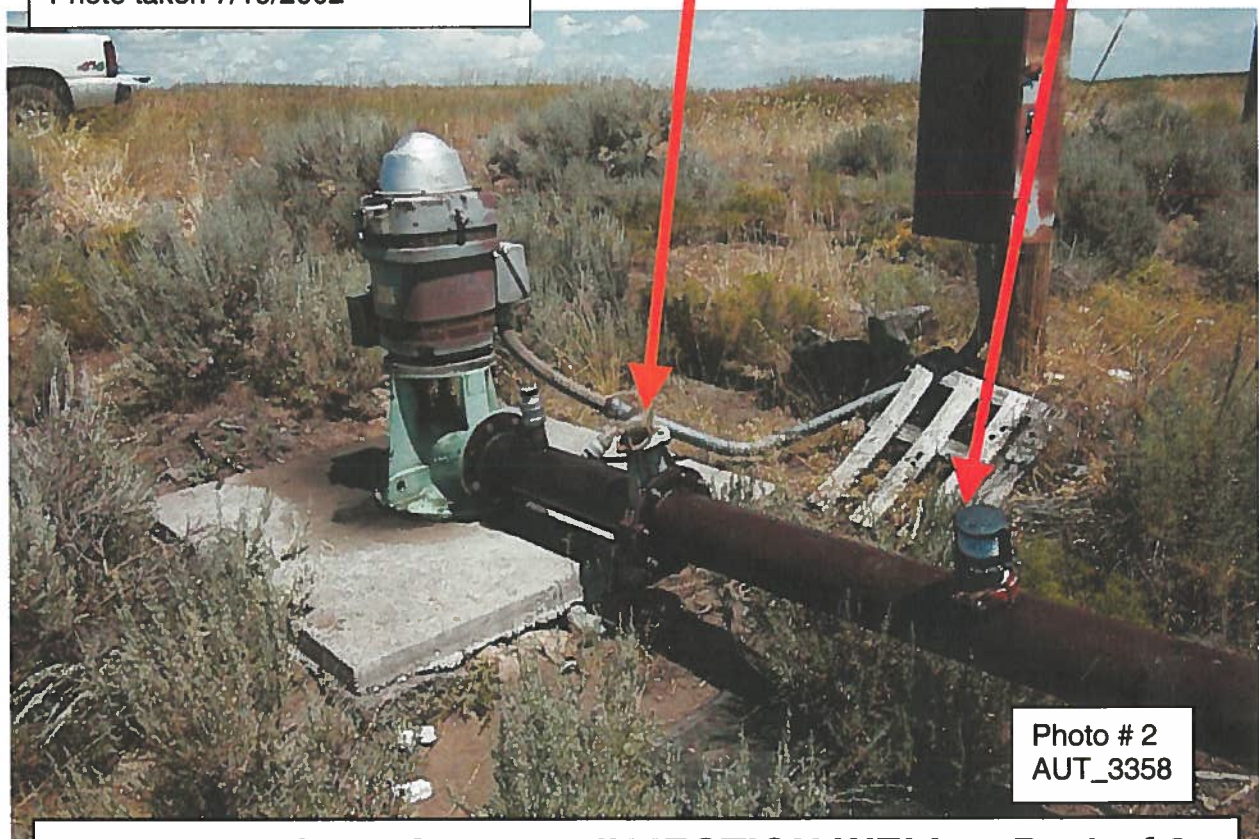


Photo # 2
AUT_3358



Photo # 3
AUT_3362

13048549 Loosli Downstream well
Photo taken 7/19/2002



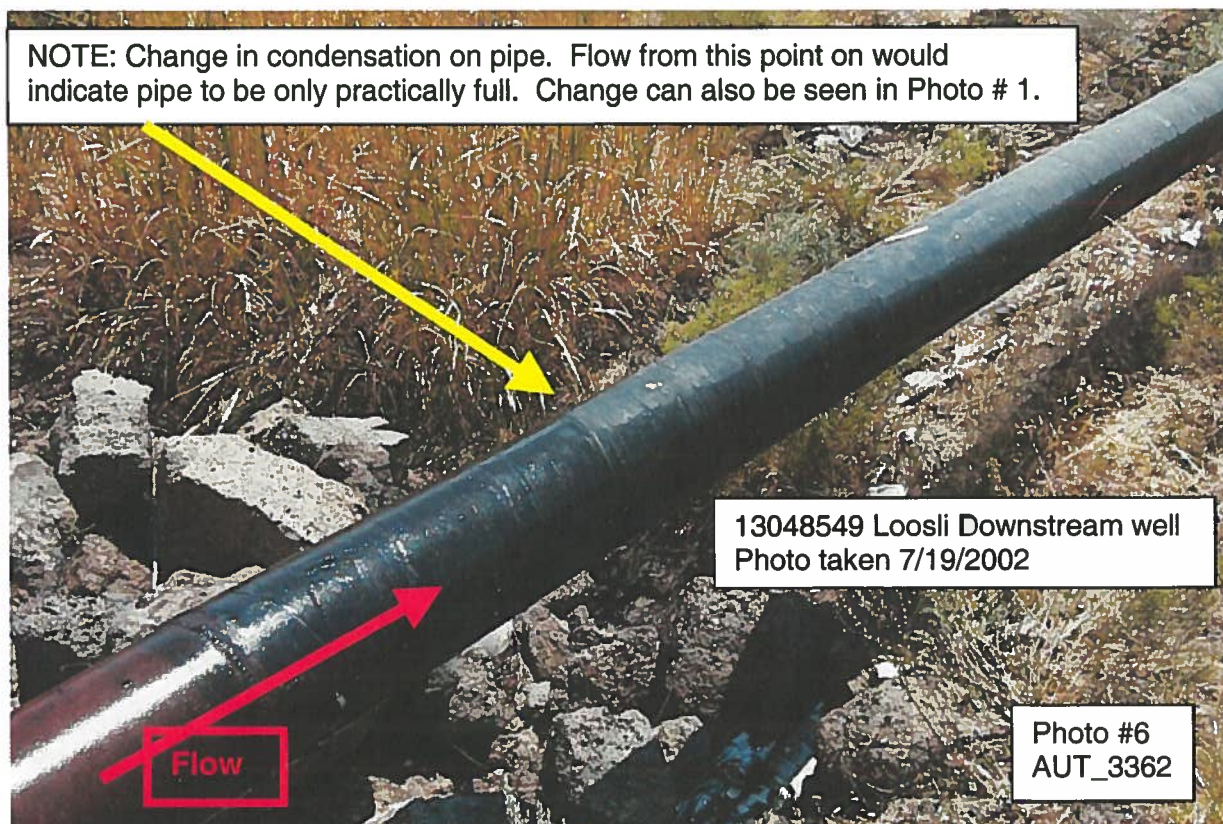
Gate Valve 1/4-1/3 Open
Photo taken 7/19/2002

Photo # 4
AUT_3359



View of flow meter dial ranged between ≈ 1100 -1900 gpm
McCrometer S/N 7985278

Photo #5
Aut_3357



NOTE: Change in condensation on pipe. Flow from this point on would indicate pipe to be only practically full. Change can also be seen in Photo # 1.

13048549 Loosli Downstream well
Photo taken 7/19/2002

Photo #6
AUT_3362

13048549 Discharge pipe Loosli Downstream well. Taken 7/19/2002

NOTE: Discharge pipe not flowing full

Photo # 7
AUT_3371

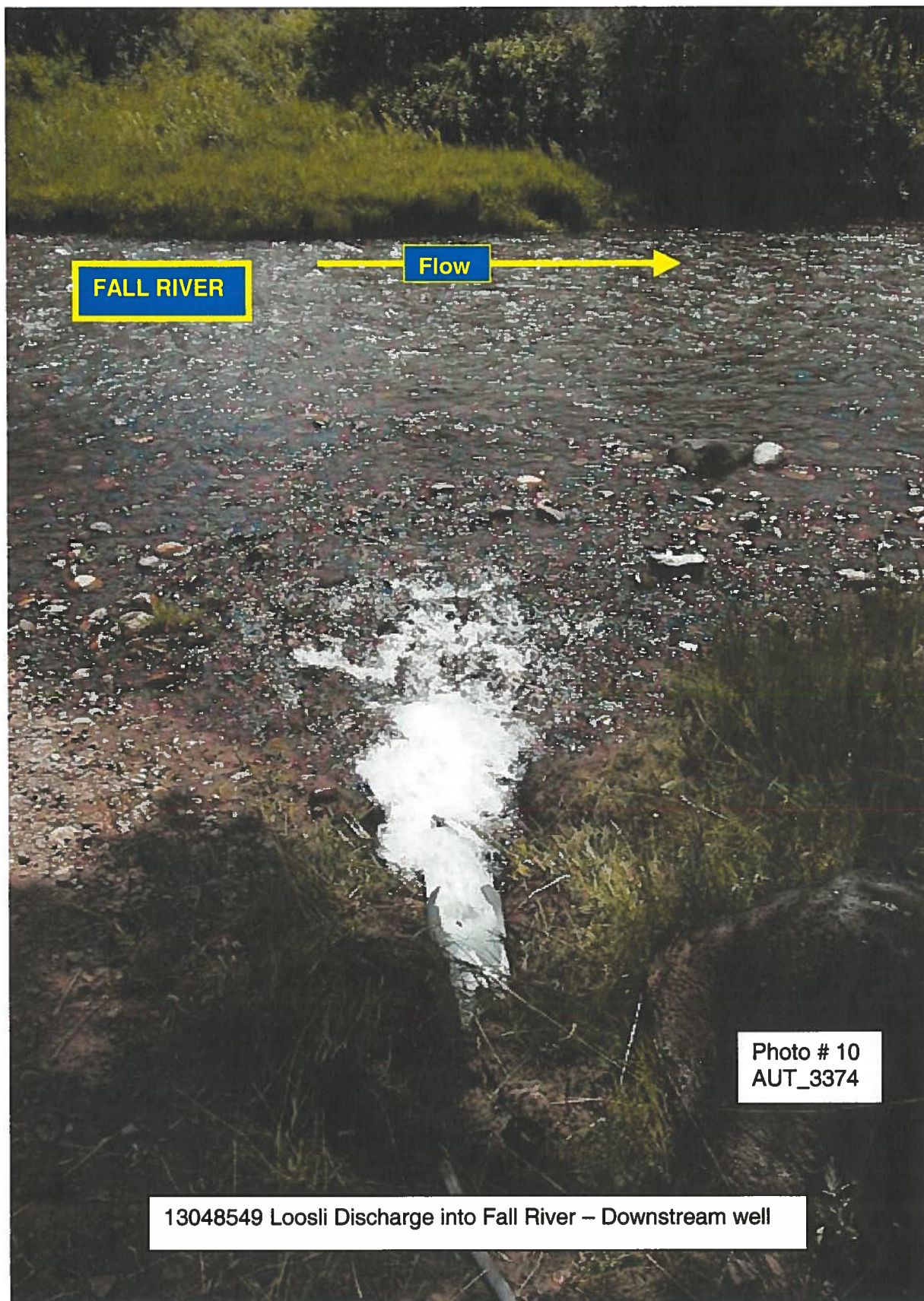
Close up view of discharge pipe

Photo # 8
AUT_3372

13048549 Discharge pipe Loosli Downstream well. Taken 7/19/2002



Photo # 9
AUT_3373





STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
EASTERN REGION

John V. Evans
Governor

A. Kenneth Dunn
Director

150 Shoup — Suite 15
Idaho Falls, Idaho 83402
(208) 525-7161

21-7132

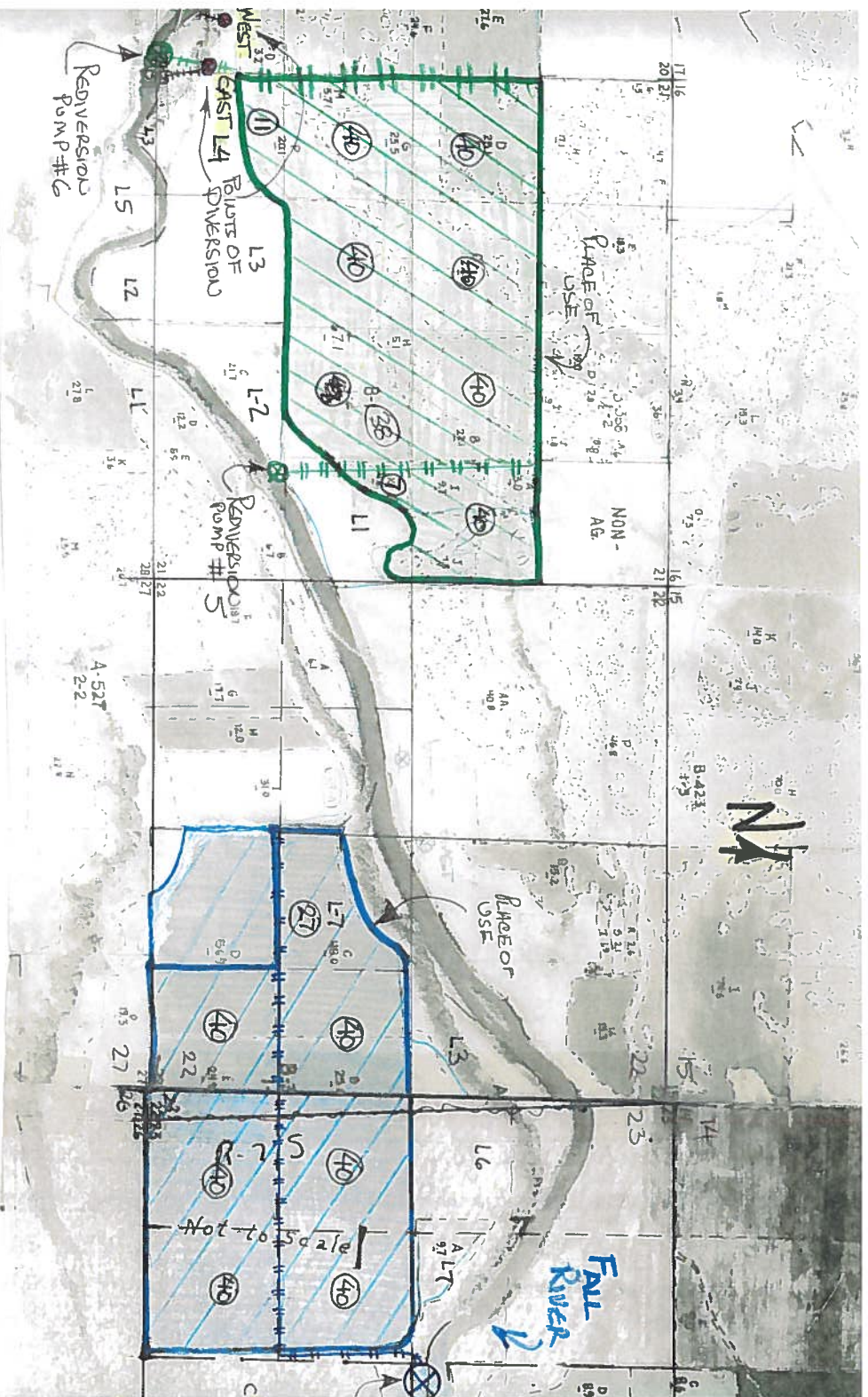


WEST WELL 7-10-1987



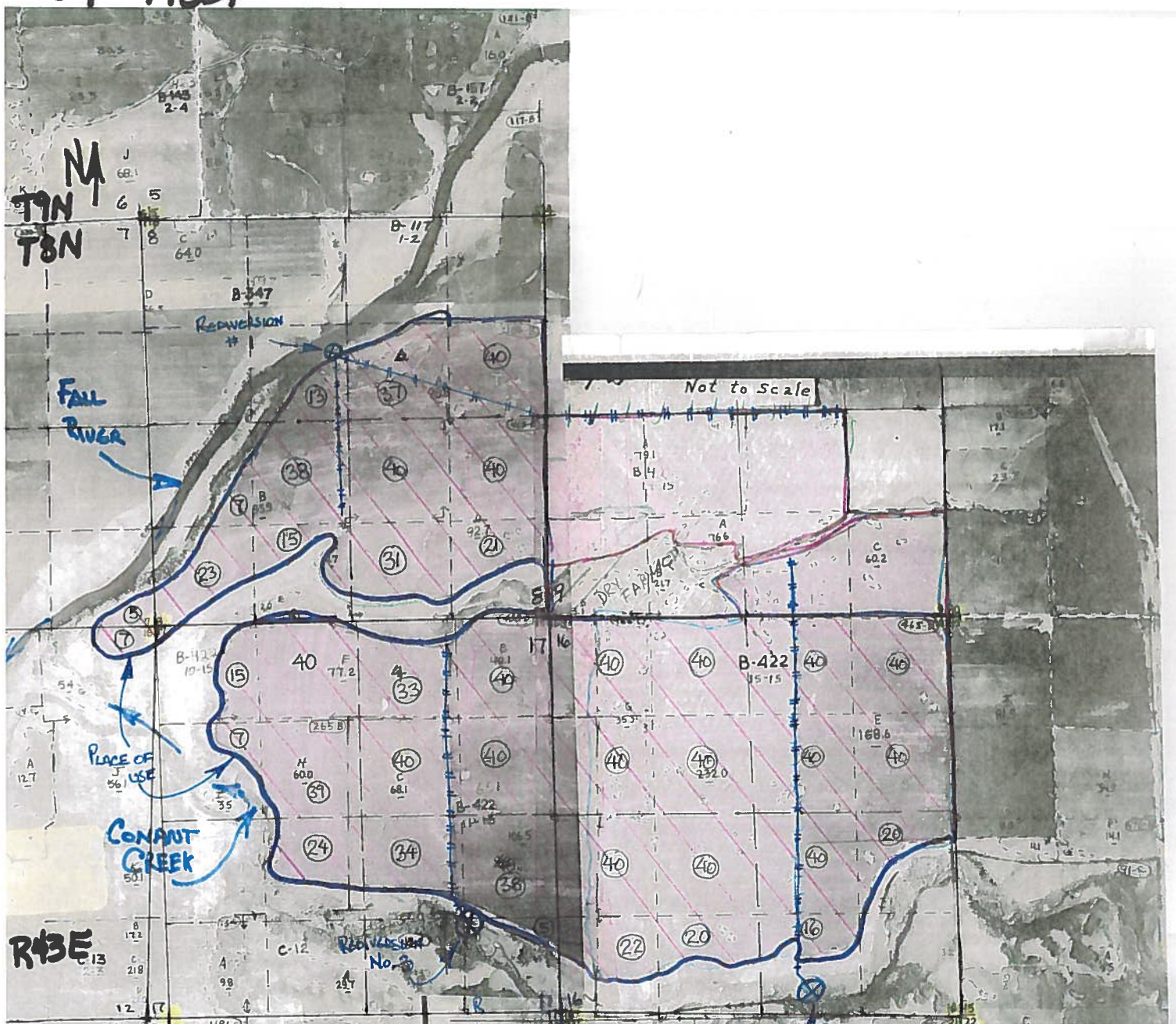
EAST WELL

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200



21-7132

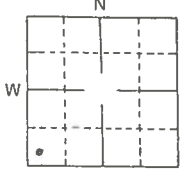
21-7132



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.

East Well

1. WELL OWNER Curtis & Leon Martindale Name <u>Lynn Loosli</u> Well #3 Route #2 Address <u>Ashton, Idaho 83420</u> Owner's Permit No. _____	7. WATER LEVEL Static water level <u>49</u> 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 <u>good</u>																																																																																																																																																																			
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6. LOCATION OF WELL Sketch map location must agree with written location.  Subdivision Name _____ Lot No. _____ Block No. _____ County <u>Fremont</u> SW 1/4 SW 1/4 Sec. <u>21</u> , T. <u>8</u> N., R. <u>42</u> E/W.	11. DRILLERS CERTIFICATION I/We certify that all minimum well construction standards were complied with at the time the rig was removed. Firm Name <u>Andrew Well Drilling</u> Firm No. <u>5</u> <u>1268 E. 17th</u> Address <u>Idaho Falls, Id.</u> Date <u>2-22-78</u> <u>83401</u> Signed by (Firm Official) <u>Andrew Well Drilling</u> and _____ (Operator) <u>Dale Hulse</u>																																																																																																																																																																			

WELL DRILLER'S REPORT

West Well

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 <u>Iynn Loosli</u> Well # <u>2</u> Route # <u>2</u> Address <u>Ashton, Idaho 83420</u> Owner's Permit No. _____	7. WATER LEVEL Static water level <u>53</u> 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 <u>good</u>																																																																																																																																									
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8"	426	430	Broken Brown Riolite																																																																																																																																							
	430	450	Hard Brown Riolite	X																																																																																																																																						
5. WELL CONSTRUCTION Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____ <table border="0" style="width:100%;"> <tr> <td>Thickness</td> <td>Diameter</td> <td>From</td> <td>To</td> </tr> <tr> <td><u>.250</u> inches</td> <td><u>14</u> inches</td> <td><u>1</u> feet</td> <td><u>18</u> feet</td> </tr> <tr> <td>_____ inches</td> <td>_____ inches</td> <td>_____ feet</td> <td>_____ feet</td> </tr> <tr> <td>_____ inches</td> <td>_____ inches</td> <td>_____ feet</td> <td>_____ feet</td> </tr> <tr> <td>_____ inches</td> <td>_____ inches</td> <td>_____ feet</td> <td>_____ feet</td> </tr> </table> 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 _____ inches by _____ inches <table border="0" style="width:100%;"> <tr> <td>Number</td> <td>From</td> <td>To</td> </tr> <tr> <td>_____ perforations</td> <td>_____ feet</td> <td>_____ feet</td> </tr> <tr> <td>_____ perforations</td> <td>_____ feet</td> <td>_____ feet</td> </tr> <tr> <td>_____ perforations</td> <td>_____ feet</td> <td>_____ feet</td> </tr> </table> Well 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 _____ feet Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____ Placed from _____ feet to _____ feet Surface seal depth <u>18</u> Material used in seal: ☐ Cement grout ☒ Puddling clay ☐ Well cuttings 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 <u>1" P.P.</u>	Thickness	Diameter	From	To	<u>.250</u> inches	<u>14</u> inches	<u>1</u> feet	<u>18</u> feet	_____ inches	_____ inches	_____ feet	_____ feet	_____ inches	_____ inches	_____ feet	_____ feet	_____ inches	_____ inches	_____ feet	_____ feet	Number	From	To	_____ perforations	_____ feet	_____ feet	_____ perforations	_____ feet	_____ feet	_____ perforations	_____ feet	_____ feet	10. Work started <u>7-20-77</u> finished <u>1-18-78</u>																																																																																																									
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6. LOCATION OF WELL Sketch map location must agree with written location. 21 Subdivision Name _____ Lot No. _____ Block No. _____ County <u>Franklin</u> Section <u>21</u> T. <u>8</u> N. R. <u>42</u> E.	11. DRILLERS CERTIFICATION I/We certify that all minimum well construction standards were complied with at the time the rig was removed. Firm Name <u>Andrew Well Drilling</u> Firm No. <u>5</u> <u>1268 E. 17th</u> Address <u>Idaho Falls, Id.</u> Date <u>2-22-78</u> <u>83401</u> Signed by (Firm Official) <u>James F. Johnson</u> and <u>Dale Hulce</u> (Operator)																																																																																																																																									

Comment Report

21-7132

1. kwilson 4/21/2006 POU

Comment: Updated Shape

2. kwilson 4/21/2006 POU

Comment: Updated PLS

3. dkidman 10/2/2008 Field Report Narrative

Comment: Static water at about 50 feet.

These two wells are used to supplement surface water rights during low water years. The applicants wish to use the supplemental water through existing pumps diverting water from Fall River and Conant Creek, exchanging groundwater for surface water. There are six redirection pumps under application. Locations and descriptions are attached. Information on redirection pumps is from Water District 01 records. I was not able to visit each pump at exam due to weather problems.

Both exchange wells discharge into Fall River. At time of exam the flow meters had been vandalized and were not working. Mr. Loosli stated that the meters must be working when pumps are in use. For this exam, I used a Sparling meter attached to discharge. Power company allowed Mr. Loosli to turn pumps on for exam. Wells were not used this season.

4. mciscell 10/7/2011 8:23:41 AM POD

Comment: PODID 677184 correlated from SpatialDataID 265701 to SpatialDataID 433447

5. mciscell 10/7/2011 8:23:35 AM POD

Comment: PODID 7621 correlated from SpatialDataID 265701 to SpatialDataID 433447

6. dkidman 10/23/2012 3:40:40 PM POD

Comment: Updated Shape

7. dkidman 10/23/2012 3:41:12 PM POD

Comment: Updated Shape

8. dkidman 10/23/2012 3:53:11 PM POU

Comment: Updated Shape

9. dkidman 10/23/2012 3:58:35 PM POU

Comment: Updated PLS



Permit 21-7132- Supplemental Right Injection/Exchange Wells Point of Diversion/Place of Use Found at Field Exam





Map 1 of 2