

Permit No: 21-12849

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED
JUL 14 2006
DEPARTMENT OF
WATER RESOURCES

WHA
KA✓

A. GENERAL INFORMATION

Permit No: 21-12849

Exam Date: 6/28/2006

1. Current Owner: NORTH PINEHAVEN WELL GROUP #5
2780 CRAIG DR
SALT LAKE CITY UT 84109
(801)278-8515
2. Accompanied by: Gilbert Jensen & Paul Carver
Phone No: (208) 558-9734 [Local contact phone number]
Address: Same as above
Relationship to Permit Holder: Current and past president

3. **SOURCE**

TRIBUTARY

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use:
2. Other water rights with the same point of diversion:

C. DIVERSION AND DELIVERY SYSTEM

1. **LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER L3 SW1/4NW1/4 Sec. 12, Twp 11N, Rge 42E, B.M. FREMONT County

Method of Determination: On site inspection & GPS Location: N 44° 17' 50.25"; W 111° 24' 14.11"

2.

PLACE OF USE: DOMESTIC

Twp Rge Sec	NE				NW				SW				SE				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
11N 42E 12							X L 3										

Method of Determination: On site inspection, Fremont County Tax Lot Plat & GPS location of point of diversion.

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>
	Franklin Electric	5	Unknown		

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

D. FLOW MEASUREMENTS

1. Theoretical Capacity

<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:

Theoretical capacity from pump charts: 70 gpm (0.16 cfs) @ 100 ft TDH

E. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

Measured Method:

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:

$$\text{Domestic Volume} = (25 \text{ homes}) \times (1.2 \text{ afa}) = 30.0 \text{ afa}$$

G. NARRATIVE/REMARKS/COMMENTS

See attached Field Report Narrative

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>
DOMESTIC	01/01 to 12/31	0.160 CFS	30.0 afa
<u>Totals:</u>		0.160 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 Keith C. Wilson Date 06/28/2006

Reviewer _____ Date _____

MEMORANDUM

Date: July 07, 2006
To: Water Right File 21-12849
From: kwilson
Re: Field Report Narrative

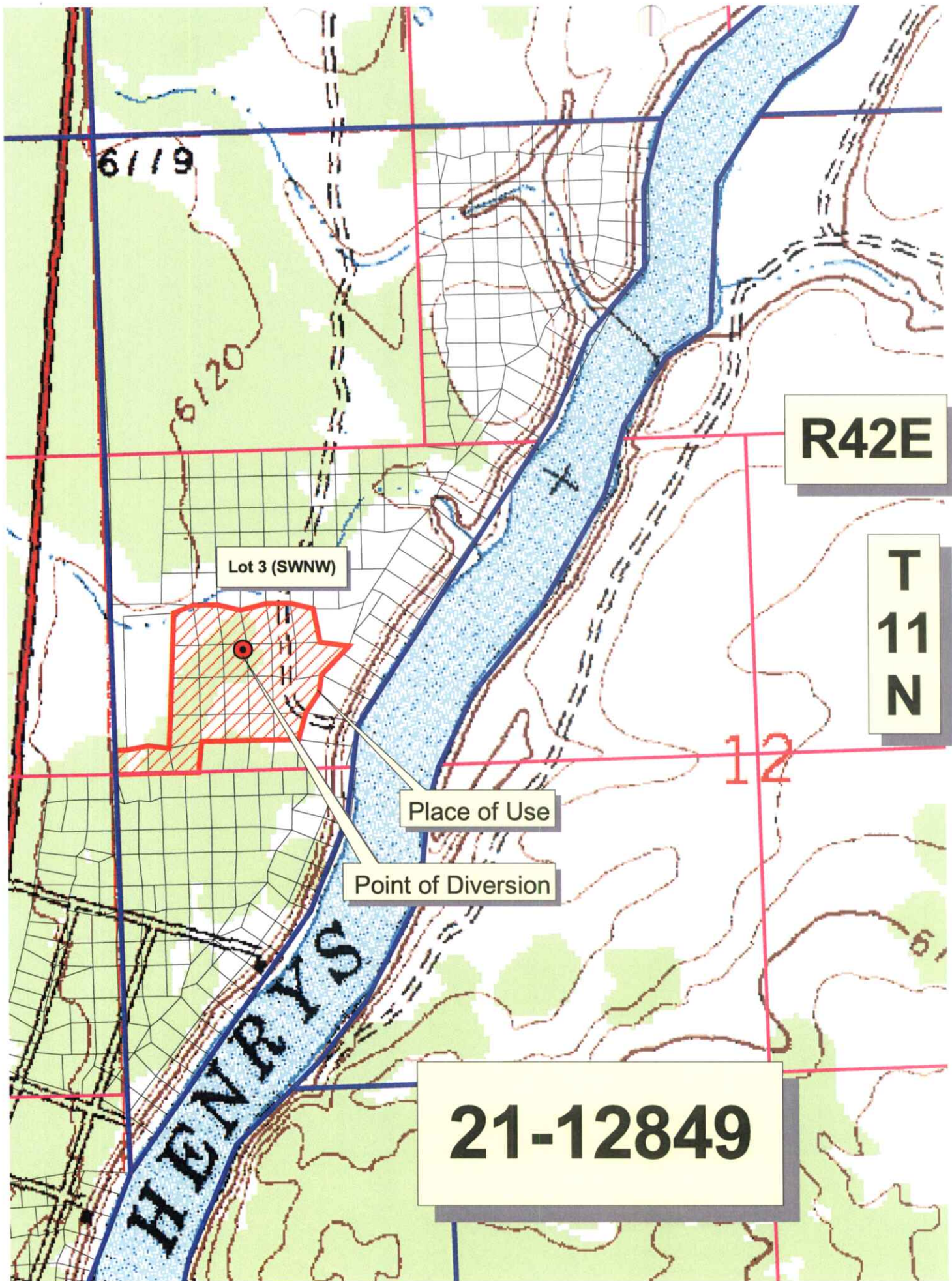
System has a 5 hp Franklin Electric pump, mainline to 87-gallon pressure tank, and mainlines to 25 lots in Pinehaven Subdivision. At the time of the exam the 9 homes hooked up to the system were located in Lot 2, Block 3; Lots 5, 6, 7 & 10, Block 4; and Lots 4, 8, 10 & 12, Block 5 North Pinehaven Subdivision. The following lots have construction started but are not yet connected to the water system: Lots 2, 3 & 9, Block 4 and Lot 11, Block 5, North Pinehaven Subdivision. The total occupied homes (9) plus the lots on which construction has been started (4) gives a total of 13 lots. No unoccupied lot is stubbed in, but it should be noted that all 25 lots applied for have ready access to the mainline.

Recommend that the resulting license include all 25 lots located in the following locations: Lots 1, 2 & 3, Block 3; Lots 1, 2, 3, 4, 5, 6, 7, 8, 9 & 10, Block 4; and Lots 1, 2, 3, 4, 5, 6, 8, 9, 10, 11, 12 & 13, Block 5 North Pinehaven Subdivision.

According to Gilbert Jensen & Paul Carver, present and past president of well group #5, the point of diversion is located in the common corner of Lots 3, 4, 10 & 11, Block 5, North Pinehaven Subdivision.

Static water level is approximately 50 ft with a total well depth of 100 ft. System capacity of 70 gpm (0.16 cfs) at 100 ft TDH.

All conditions of permit approval have been met.



6119

6120

Lot 3 (SWNW)

R42E

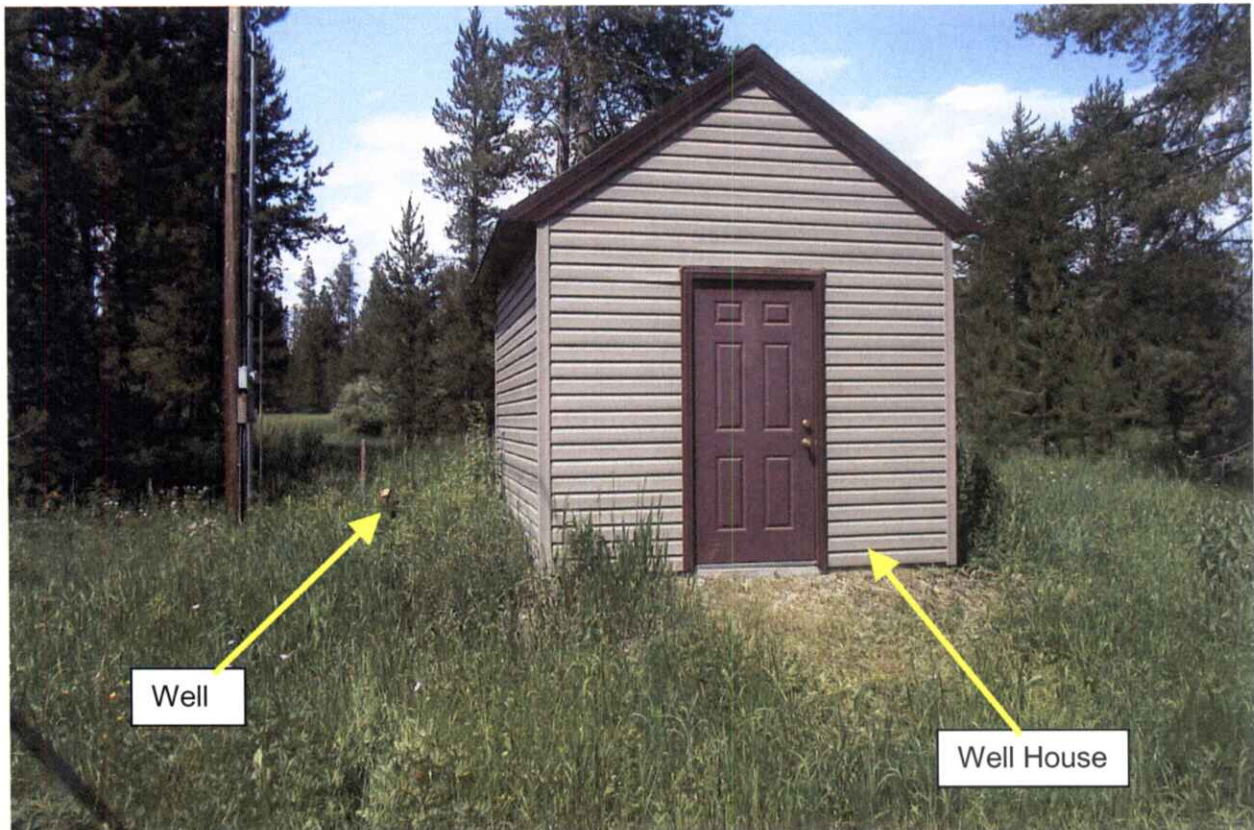
T
11
N

Place of Use

Point of Diversion

12

21-12849



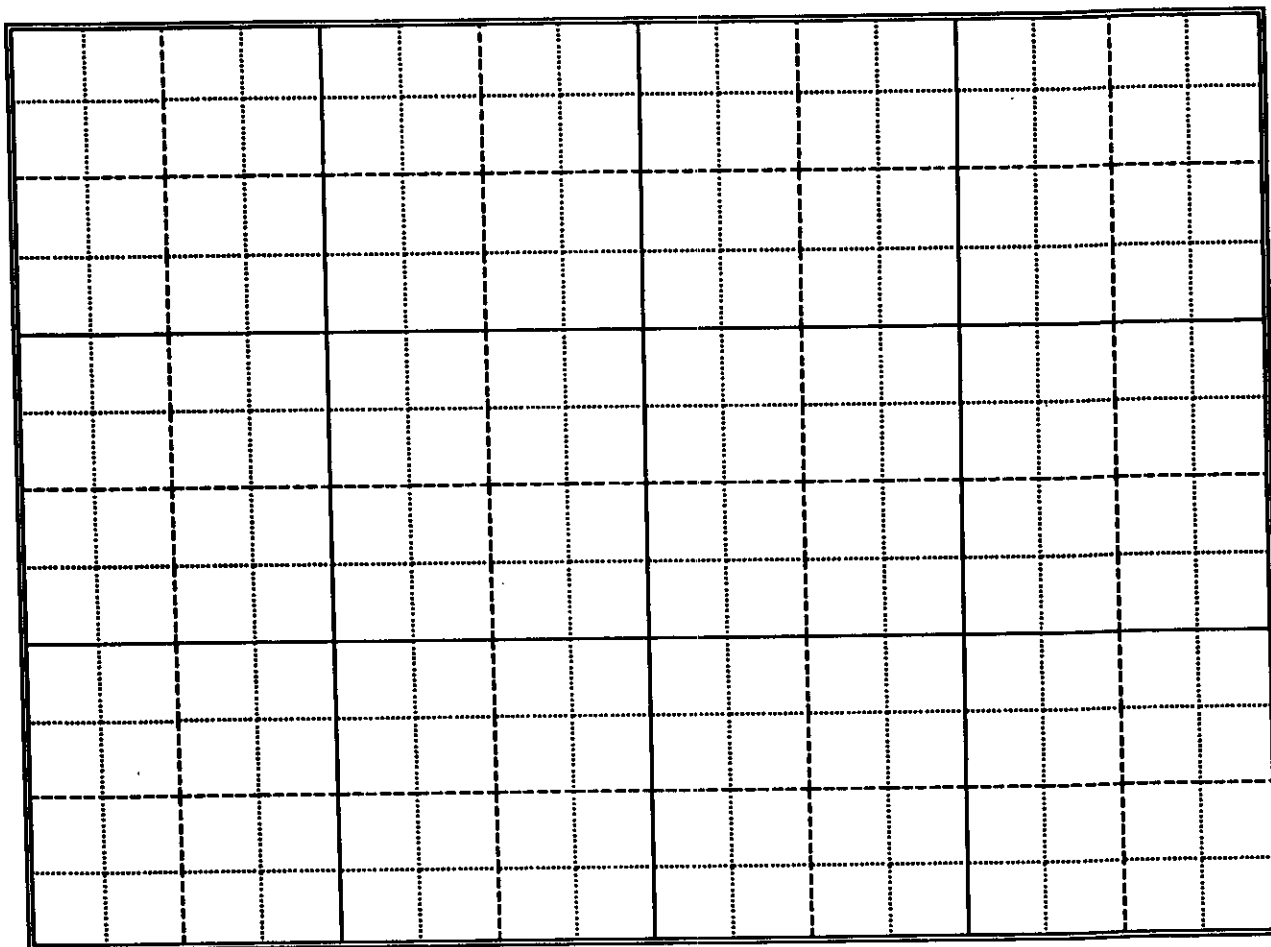
Well

Well House

21-12849

[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" = _____

____ 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
	FRANKLIN	5	UNIK	FRANKLIN	
	Electric			ELECTRK	

*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

2. Measurements: static H₂O Level is 50' and total well depth is 100'
System capable of 70 gpm @ 100' TDH

E. NARRATIVE/REMARKS/COMMENTS

Well pump mainline to an 87 gal pressure tank & 500 gal pressure tank with distribution lines to 25 lots in Pinehaven Subdivision.

At time of exam 9 homes hooked up with water system

Occupied / lots connected to System

Lot 2 Block 3, Lots 5, 6, 7, 10 Block 4 and Lots 4, 8, 10 & 12

Block 5 North Pinehaven Subdivision

All 25 lots have ready access to mainlines in Subdivision

The following lots have construction started but not hooked up to System. ~~Lot 9 Block 1~~ Lots 2, 3, & 9 Block 4 and Lot 11 Block 5 Pinehaven Subdivision.

According to Gilbert Jensen & Paul ~~Long~~ Carver the point of diversion is located in the common corner of Lots 3, 4, 10 & 11 Block 5 North Pinehaven Subdivision

Have conditions of permit approval been met? Yes no

F. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method: 70 gpm Theoretical

G. VOLUME CALCULATIONS**1. Volume Calculations for Irrigation:** $V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$ _____ $V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 =$ _____ $V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} =$ _____**2. Volume Calculations for Other Uses:**

Dom Vol = (25) 1.2 = 30.0 cfs

H. RECOMMENDATIONS**1. Recommended Amounts**

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Domestic (25 units)	1/1	12/31	0.16	30.0
Totals:			0.16 cfs	30.0 afa

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 Keith C Wilson Date 6/28/2006

Reviewer _____ Date _____

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