

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 36-16204

Exam Date: 4/26/2013

1. Current Owner: NORTHVIEW WATER ASSN INC
PO BOX 466
HAGERMAN ID 83332
(208)837-4780
2. Accompanied by: Richard Scruggs
Phone No: 208-749-1320
Address: NA
Relationship to Permit Holder: Manages subdivision water system

3. SOURCE TRIBUTARY
GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 36-8747
2. Other water rights with the same point of diversion: 36-8747

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

GROUND WATER	NE1/4NW1/4	Sec. 24,	Twp 07S,	Rge 13E, B.M.
GOODING County				
GROUND WATER	NE1/4NW1/4	Sec. 24,	Twp 07S,	Rge 13E, B.M.
GOODING County				

Method of Determination: ArcMap aerial photo

2.

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Totals
07S	13E	24					5.3												5.3

Total Acres: 5.3

Method of Determination: ArcMap aerial photo

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</u> <u>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</u> <u>Size</u>
A0007990		25		Submersed	
A0007998		25		Submersed	

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

D. FLOW MEASUREMENTS

1.

<u>Measurement</u> <u>Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
McCrometer propeller flowmeter, calibrated by Water District 130.						

2. Measurements:

Measurement was recorded by Water District 130 during 2011 flowmeter calibration.

E. FLOW CALCULATIONS☒ Additional Computation Sheets Attached

Measured Method:

$$5.3 \text{ acres} \times 0.02 \text{ cfs/acre} = 0.11 \text{ cfs}$$

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 5.3 \text{ acres} \times 4 \text{ AF} = 21.2 \text{ AF}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.11 \text{ cfs} \times 289 \text{ days} \times 1.9835 = 63.1 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 21.2 \text{ AF}$$

2. Volume Calculations for Other Uses: NA

G. NARRATIVE/REMARKS/COMMENTS

The field exam for this permit was completed on April 26, 2013. Richard Scruggs, who takes care of the water system, was at the subdivision and gave me access to the facilities.

There are currently 26 homes completed in the subdivision and water is available to the other 8 undeveloped lots. Water right 36-8747 provided the domestic component for all 34 lots, and 8 acres of irrigation. Actual irrigated acres total 13.3 acres, so this permit will comprise 5.3 acres. The flow portion of this permit is figured on those acres at the allowed 0.02 cfs/acre. Volume is also calculated at 4.0 AF/acre on the 5.3 acres.

A new Siemens flowmeter was installed in 2012, but has not yet been calibrated.

During the 2011 Water District 130 flowmeter calibration, the installed meter indicated a flow of 169.4 gpm, or 0.38 cfs.

Suggest licensing this permit at 0.11 cfs and limiting this permit and 36-8747 to a combined rate of 0.38 cfs, diversion volume of 73.6 AF, and combined acre limit of 13.3 acres.

Per memo from WD-130 watermaster, recommend dropping the mitigation requirement from the permit at this time.

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	02/15 to 11/30	0.110 CFS	21.20 AF
<u>Totals:</u>		0.110 CFS	21.20 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 [Signature] Date 4-26-2013

Reviewer [Signature] Date 7/1/2013

Memorandum

May 17, 2013

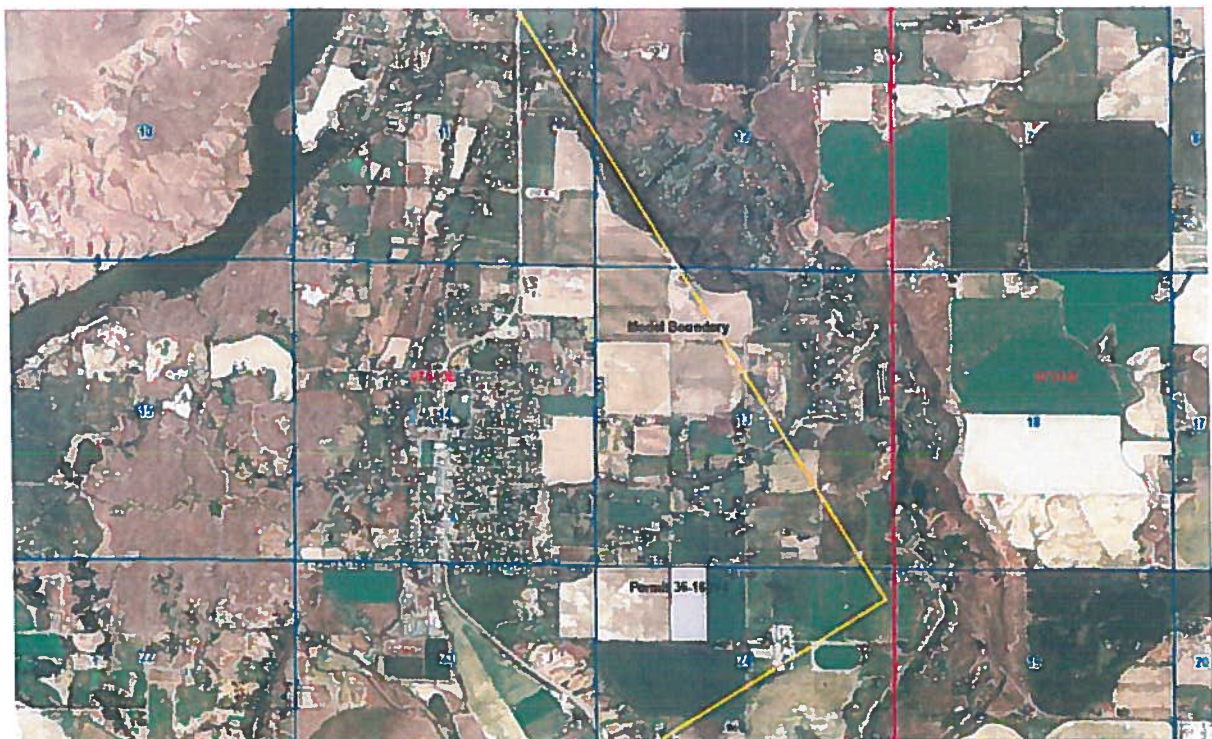
TO: Permit File 36-16204
FROM: Cindy Yenter, Watermaster WD130
RE: Memo in support of removing mitigation requirement

When this permit was approved in 2004, mitigation was required for ground water in all areas of Basin 36 due to pending conjunctive management calls. The following condition was placed on the permit:

"Prior to any diversion and use of water under this water right, the right holder shall (1) provide evidence of participation in a mitigation plan, approved by the director, and administered by a ground water district or other recognized organization, or (2) provide individual mitigation approved by the director."

In connection with ESPAM v2, the model boundary has been adjusted to exclude lands below the Snake River Canyon rim in many areas, including the Hagerman area. IDWR is no longer requiring mitigation for those diversions which fall outside the model boundary.

This water user is not participating in a mitigation plan. I recommend that the mitigation requirement be removed from the permit prior to licensing.





Typical homes in the Northview Subdivision



East well

West well inside wellhouse





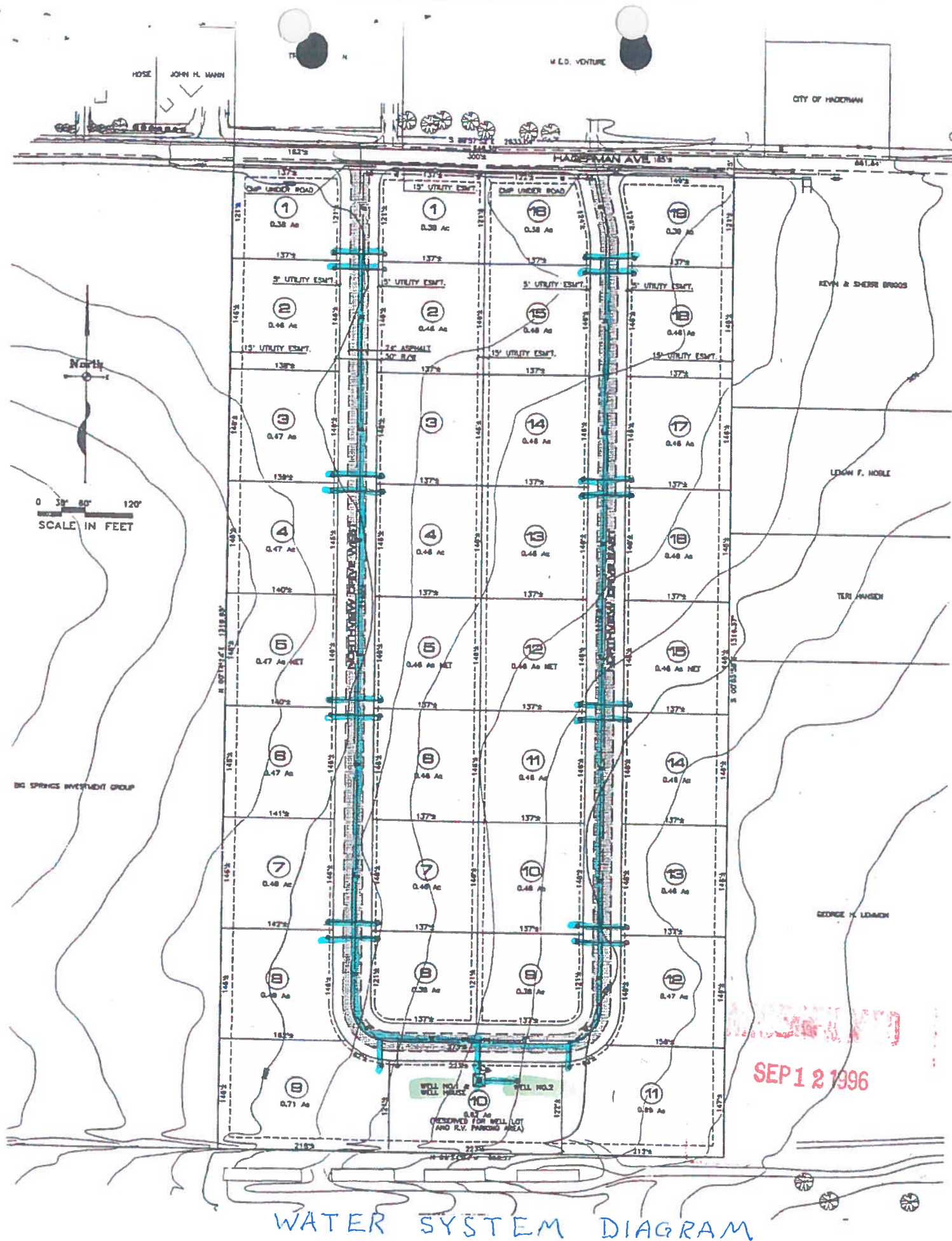
Flowmeter

Plumbing inside wellhouse

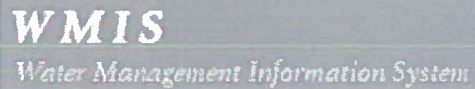




Pressure tank in wellhouse



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WMIS Number

WMIS Number

400150

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Point Of Diversion

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[Edit](#) WMIS Number 400150 Network Well No
Reporting District Water District 130 Access Power Yes
Measurement Option Flowmeter (8) Water District 130
Metal Tag Number A0007998 Tag Location Service line on top of Well Head
Followup Date 01/01/2012 Comments Added per permit number 36-8747.
Diversion Name West Well

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Water Right Number	Owner Type	Owner Name	Address	Phone	City/State/ Zip	Email
36-8747	Current Owner	NORTHVIEW WATER ASSN INC	PO BOX 466	(208) 837-4780	HAGERMAN, ID 83332	
36-16204	Current Owner	NORTHVIEW WATER ASSN INC	PO BOX 466	(208) 837-4780	HAGERMAN, ID 83332	

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Flow Meter Calibrations

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Edit	Delete	Calibration Date/Time:	01/01/2013	Factor:	1.00
		Installed Meter Data:		Standard Meter Data:	
		Installed Meter Flow:		Standard Meter Flow:	
		Rate Unit:	GPM	Rate Unit:	GPM
		Rate Multiplier:	1.0000	Pipe Material:	
		Volume Multiplier:	1000.0000	Outside Diameter (inches):	
		Volume Unit:	GAL	Wall Thickness (inches):	
		Location:		Downstream Distance (feet):	
		Comments:		Upstream Distance (feet):	
				Calibration Confidence:	
		Installed Meter Information:		Installation Date:	
		Manufacturer:	SEIMENS	Serial Number:	
		Model Number:		Other Well:	
		Meter Type:	MAGNETIC, FULL PROFILE		
Edit	Delete	Calibration Date/Time:	06/23/2011	Factor:	1.00
		Installed Meter Data:		Standard Meter Data:	
		Installed Meter Flow:		Standard Meter Flow:	
		Rate Unit:	GPM	Rate Unit:	
		Rate Multiplier:	1.0000	Pipe Material:	
		Volume Multiplier:	0.0001	Outside Diameter (inches):	
		Volume Unit:	AF	Wall Thickness (inches):	
		Location:		Downstream Distance (feet):	
		Comments:		Upstream Distance (feet):	
		Meter is confirmed not operation. cy		Calibration Confidence:	
		Installed Meter Information:		Installation Date:	06/01/1996
		Manufacturer:	MCCROMETER	Serial Number:	9681573
		Model Number:		Other Well:	
		Meter Type:	PROPELLER		
		Calibration Date/Time:	05/15/2003	Factor:	1.05
		Installed Meter Data:		Standard Meter Data:	
		Installed Meter Flow:	147.10	Standard Meter Flow:	155.10
		Rate Unit:	GPM	Rate Unit:	GPM
		Rate Multiplier:	1.0000	Pipe Material:	DUCTILE IRON
		Volume Multiplier:	0.0001	Outside Diameter (inches):	3.93
		Volume Unit:	AF	Wall Thickness (inches):	0.39
		Location:	FAIR	Downstream Distance (feet):	0.50
		Comments:		Upstream Distance (feet):	0.50
				Calibration Confidence:	FAIR

Installed Meter Information:			
Manufacturer:	MCCROMETER	Installation Date:	06/01/1996
Model Number:		Serial Number:	9681573
Meter Type:	PROPELLER	Other Well:	

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WMIS

Water Management Information System



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Data Summary

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Report Year	Alternate	FM	PCC	Time Clock
2012		0.00		
2011		0.02		
2010		15.63		
2009		21.42		
2008		24.10		
2007		25.35		
2006		23.14		
2005		23.25		
2004		26.13		
2003		23.26		
2002				
2001				

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Point Of Diversion

You are viewing 400149; A0007990

[Edit](#)

WMIS Number	400149	Network Well	No
Reporting District	Water District 130	Access Power	Yes
Measurement Option	Flowmeter (8)	Water District	130
Metal Tag Number	A0007990	Tag Location	Well Casing
Followup Date	01/01/2012	Comments	Well is for subdivision and added to the Measurement program due to rate of flow on permit 36-8747. CRK 12-19-02
Diversion Name	East Well		

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Flow Meter Calibrations

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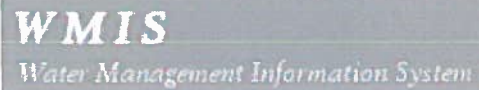
Edit	Delete	Calibration Date/Time: 01/01/2013 Installed Meter Data: Installed Meter Flow: Rate Unit: GPM Rate Multiplier: 1.0000 Volume Multiplier: 1000.0000 Volume Unit: GAL Location: Comments: Installed Meter Information: Manufacturer: SEIMENS Model Number: Mag5000 Meter Type: MAGNETIC, FULL PROFILE	Factor: 1.00 Standard Meter Data: Standard Meter Flow: Rate Unit: GPM Pipe Material: Outside Diameter (inches): Wall Thickness (inches): Downstream Distance (feet): Upstream Distance (feet): Calibration Confidence:
Edit	Delete	Calibration Date/Time: 06/23/2011 Installed Meter Data: Installed Meter Flow: 169.40 Rate Unit: GPM Rate Multiplier: 1.0000 Volume Multiplier: 0.0001 Volume Unit: AF Location: FAIR Comments: very poor measurement section, diagnostics are not good on fuji. cy Installed Meter Information: Manufacturer: MCCROMETER Model Number: Meter Type: PROPELLER	Factor: 1.09 Standard Meter Data: Standard Meter Flow: 184.90 Rate Unit: GPM Pipe Material: DUCTILE IRON Outside Diameter (inches): 3.92 Wall Thickness (inches): 0.39 Downstream Distance (feet): 0.50 Upstream Distance (feet): 0.50 Calibration Confidence:
		Calibration Date/Time: 05/15/2003 Installed Meter Data: Installed Meter Flow: 141.60 Rate Unit: GPM Rate Multiplier: 1.0000 Volume Multiplier: 0.0001 Volume Unit: AF Location: FAIR Comments:	Factor: 0.96 Standard Meter Data: Standard Meter Flow: 136.30 Rate Unit: GPM Pipe Material: DUCTILE IRON Outside Diameter (inches): 3.93 Wall Thickness (inches): 0.39 Downstream Distance (feet): 0.30 Upstream Distance (feet): 0.50 Calibration Confidence: GOOD

Installed Meter Information:

Manufacturer: MCCROMETER
Model Number:
Meter Type: PROPELLER

Installation Date: 06/01/1996
Serial Number: 9681563
Other Well:

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Data Summary

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Report Year	Alternate	FM	PCC	Time Clock
2012		43.74		
2011		69.28		
2010		22.71		
2009		35.40		
2008		20.76		
2007		21.93		
2006		17.01		
2005		17.83		
2004		18.00		
2003		25.49		
2002				
2001				