

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 36-8290

Exam Date: 7/11/2012

1. Current Owner: EUGENE HRUZA
PO BOX 66
MINIDOKA ID 83343
(208) 431-4474
2. Accompanied by: See narrative
Phone No:
Address:
Relationship to Permit Holder:

3. SOURCE TRIBUTARY
GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 36-2270
2. Other water rights with the same point of diversion: 36-2270

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

GROUND WATER	SW1/4NE1/4SW1/4	Sec. 5,	Twp 08S,	Rge 26E, B.M.
BLAINE County				
GROUND WATER	NE1/4SE1/4SW1/4	Sec. 5,	Twp 08S,	Rge 26E, B.M.
BLAINE County				

Method of Determination: IDWR GPS'd Water Rights/WMIS points

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	
08S	26E	5			19.0					20.0	33.0	36.0	39.0	28.0		19.0	31.0		225.0
08S	26E	8		35.0			6.0	11.0											52.0

Total Acres: 277

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>
#1-A0017790 (new tag) (Upper Carter Pit)	US Motor HO250S2RLHG	250	K02-20044280-GT-01	Layne-Bowler	45007
#2-A0005490 (Snake Pit)	US Holoshaft	75	1254255	Worthington Pump	10 QHAD 6, T1550010

*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>
Portaflow	Sonic	Fugi		240332		March 2012

2. Measurements:

Well #1 – (250 hp) – 1548 gpm = 3.45 cfs

Well #2 – (75 hp) – 641.7 gpm = 1.43 cfs

Total = 4.88 cfs – 3.4 cfs (for 36-2270) = 1.48 cfs**E. FLOW CALCULATIONS** X Additional Computation Sheets Attached

Measured Method: N/A

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 107 \text{ ac} \times 4 \text{ AF/ac} = 428 \text{ AFA}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 1.48 \text{ cfs} \times 246 \text{ days} \times 1.9835 = 1015.7 \text{ AFA}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = \underline{428 \text{ AFA}}$$

2. Volume Calculations for Other Uses: N/A

G. NARRATIVE/REMARKS/COMMENTS

I called Mr. Hruza and he told me he was renting the place to Don Taylor so I should set up an appointment with him. I called Mr. Taylor (431-3369 – cell) who said he was out of town but said we could go ahead and measure the wells. I visited the property on July 11, 2012 with Jana Reeder and we measured both wells. We replaced the tag on Well #1 (Upper Carter Pit) with A0017790 as the power pole (08S26E0530) had been replaced and the old tag was missing. That well measured 3.45 cfs. Well #2 (Snake Pit) measured 1.43 cfs. The total measured was 4.88 cfs. Right 36-2270 for 3.4 cfs is also diverted from these wells, leaving 1.48 cfs available for this right. Mr. Hruza said the two wells were not connected but since 36-2270 was licensed and decreed on both wells, they must have been connected at some point, so I recommend that this right be licensed on both wells. (Enlargement Right, 36-10859, was filed on 36-2270 but was subsequently disallowed. The shape file associated with 36-2270 was for 254 acres, which included 36-10859. I updated the shape file for 36-2270 to match the 170 acres decreed.) Proof was submitted in 1991 and the 1992 and subsequent year's aerial photos showed additional irrigation. The 2011 IDWR aerial photos show 277 acres of irrigation under pivots. This right can be licensed in a PPU of 277 acres when combined with 36-2270 and limited to 107 acres. A licensing amendment will be necessary to correct the place of use.

* See comments next page.

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	03/15 to 11/15	~~1.480 CFS~~ 1.88	428.00 AF
	Totals:	~~1.480 CFS~~ 1.88 *	428.00 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 Jamie Robertson Date 8/12/2012
 Reviewer [Signature] Date 9/11/2012

* Allow system capacity rate per acre but limit when combined with 36-2270 to 4.88 cfs.

$$\text{system capacity} / \text{acres} = \frac{4.88}{277} = 0.0176 \text{ cfs/acre}$$

$$107 \times 0.0176 = 1.88 \text{ cfs}$$



36-8290

7/11/12

Well #1

A0005490

"Upper Carter Pit"



36-8290

7/11/12

Well # 2

A0017790

"Snake Pit"



36-8290 - place of use (crater area)

7/11/12

31

32

33

1992

6

5

4

orange = -2270
yellow = -8290

7

8

9

18

17

16

31

32

33

2011

6

5

4

Well #1 - A0005490 - Upper Carter Pit

Well #2 - A0017790 - Snake Pit

7

8

9

36-8290

①

upper crater? w/ pivots

pole # 08526E0530

serial no ^{IPCO} 50 466 256

7/11/12

new pole - old tag missing - replaced with new tag # A0017790

US Motor H0250S2RLHG ID# K02-20044280-GT-01

250 hp

LB vertical pump 45007

file meas - (5335) 1548 gpm (3.45 cfs)

gps file 5335

1 pic

old rt = 3.4
new rt = 1.4

②

down in whole of handlines

pole # 08526E0531 ^{IPCO} ~~ser~~ # 50 327 590

tag A0005490

micrometer 96-3610-8 (broken?) 45 psi

US heloshift motor ser # 1254255

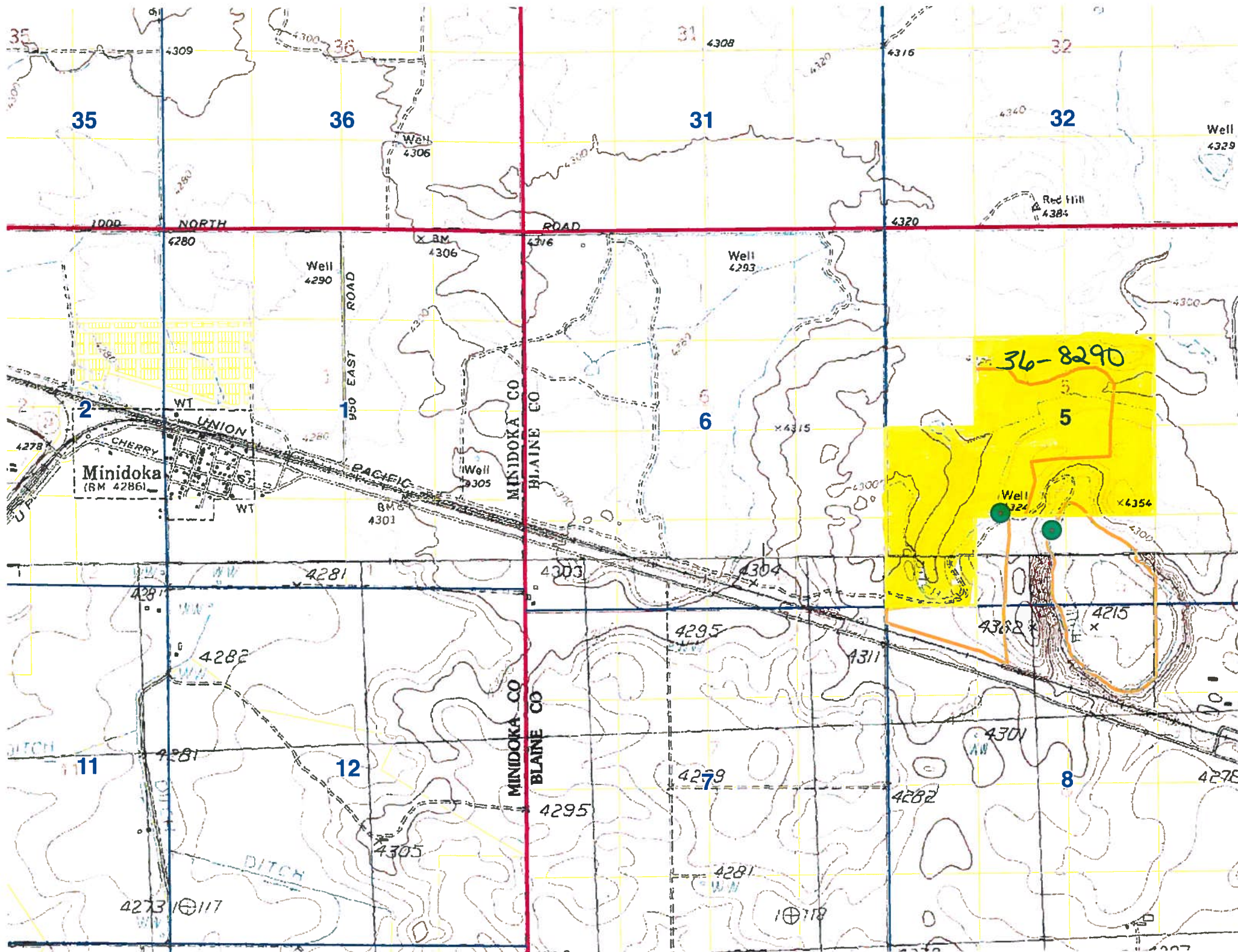
75 hp

Worthington Pump 10 QHAD 6

T 1550010

meas = 641.7 gpm (1.43 cfs)

- which well is snake pit?
(lower crater area)
- are both wells connected?
no, completely separate



Idaho Department of Water Resources



Quick Search:

[For assistance, email WMIS Info](#)

Search Method: Reporting District
Reporting District: Magic Valley GWD
WMIS Number: 100796
Legal Description: 08S 26E 5 NE SE SW
Metal Tag Number: A0005490

You are logged in as cyenter

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Point Of Diversion

You are viewing 100796; A0005490

[Edit](#) WMIS Number 100796 Network Well No
Reporting District Magic Valley GWD Access Power Yes
Measurement Option Flowmeter (1) Water District 130
Metal Tag Number A0005490 Tag Location ON POWER POLE SW OF PUMP
Followup Date 1/1/2014 12:00:00 AM Comments No flowmeter or appearance of use (SNK date 8.14.95)
Diversion Name Upper Carter PIT

[Search Water Rights](#)[Contacts](#) [PLSS](#) [Spatial Data](#) [Water Source](#) [Water Rights](#)

Water Right Number	Owner Type	Owner Name	Address	Phone	City/State/Zip	Email
36-2270	Current Owner	HRUZA, EUGENE	PO BOX 66	(208) 431-4474	MINIDOKA, ID 83343	
36-2270	Current Owner	HRUZA, SHIRLEY	PO BOX 66	(208) 531-5543	MINIDOKA, ID 83343	

Idaho Department of Water Resources

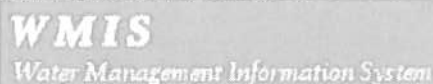
WMIS
Water Management Information System**Quick Search:**[For assistance, email WMIS Info](#)

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Report Year	Alternate	FM	PCC	Time Clock
2011				
2010			16.00	
2009		0.00	160.00	
2008		259.18	228.00	
2007			194.46	
2006			91.00	
2005			0.00	
2004			0.00	
2003			0.00	
2002			0.00	
2001			0.00	
2000			0.00	
1999			0.00	
1998				
1997		220.30		
1996		220.90		
1995		0.00		

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PCC Conditions

You are viewing 100796; A0005490

[Click here to insert a new record.](#)

Year: 2011			Date: 6/16/2011 12:00:00 AM		Total PCC: 514.18		Total Percentage: 1	
Edit	Copy	Delete	# 1	Condition Date:* 06/16/2011	ConditionPCC:	514.18	Percentage:	1
			KW:	65.08	Boost On:	No		
			GPM:	687.4	Description:	Great location, steady stream, flow meter, valves open, handlines on 40 acres. Beets. 4 bars .2x.		
			PSI:*	45				
			Meter:					
			Utility:	Idaho Power	Serial Number:	05627346		
			Main HP*:	75.00	Boost HP:	0.00		
			Pole Number:	08S26E0531	Multiplier:	40.00		
			Manufacturer:	Elster	Disk Constant:	1.20		
Year: 2009			Date: 1/1/2009 12:00:00 AM		Total PCC: 599.56		Total Percentage: 100	
Edit	Copy	Delete	# 1	Condition Date:* 01/01/2009	ConditionPCC:	536.56	Percentage:	50
			KW:	41.00	Boost On:	No		
			GPM:	415.0	Description:	07-24-2007		
			PSI:*	30				
			Meter:					
			Utility:	Idaho Power	Serial Number:	05627346		
			Main HP*:	75.00	Boost HP:	0.00		
			Pole Number:	08S26E0531	Multiplier:	40.00		
			Manufacturer:	Elster	Disk Constant:	1.20		
Edit	Copy	Delete	# 2	Condition Date:* 01/01/2009	ConditionPCC:	650.04	Percentage:	50
			KW:	62.00	Boost On:	No		
			GPM:	518.0	Description:	01-01-2001		
			PSI:*					
			Meter:					
			Utility:	Idaho Power	Serial Number:	05627346		
			Main HP*:	75.00	Boost HP:	0.00		
			Pole Number:	08S26E0531	Multiplier:	40.00		

			Manufacturer: Elster		Disk Constant: 1.20			
Year: 2007			Date: 7/24/2007 12:00:00 AM		Total PCC: 603.30		Total Percentage: 100	
Edit	Copy	Delete	# 2515	Condition Date:* 07/10/2007	ConditionPCC: 610.51	Percentage: 90		
			KW: 48.00	Boost On: No				
			GPM: 427.0	Description: 2 WHEEL LINES				
			PSI:* 80					
			Meter:					
			Utility: Idaho Power	Serial Number: 05627346				
			Main HP*: 75.00	Boost HP: 0.00				
			Pole Number: 08S26E0531	Multiplier: 40.00				
			Manufacturer: Elster	Disk Constant: 1.20				
Edit	Copy	Delete	# 3688	Condition Date:* 07/24/2007	ConditionPCC: 536.56	Percentage: 10		
			KW: 41.00	Boost On: No				
			GPM: 415.0	Description: SOME AIR IN PIPE. 2 WHEEL LINES AND ONE HANDLINE				
			PSI:* 30					
			Meter:					
			Utility: Idaho Power	Serial Number: 05627346				
			Main HP*: 75.00	Boost HP: 0.00				
			Pole Number: 08S26E0531	Multiplier: 40.00				
			Manufacturer: Elster	Disk Constant: 1.20				
Year: 2001			Date: 1/1/2001 12:00:00 AM		Total PCC: 650.04		Total Percentage: 100	
Edit	Copy	Delete	# 13317	Condition Date:* 01/01/2001	ConditionPCC: 650.04	Percentage: 100		
			KW: 62.00	Boost On: No				
			GPM: 518.0	Description: estimated PCC.				
			PSI:* 0					
			Meter:					
			Utility: Idaho Power	Serial Number: 1559297				
			Main HP*: 0	Boost HP:				
			Pole Number: 625	Multiplier:				
			Manufacturer:	Disk Constant:				

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PCC Power Usage

You are viewing 100796; A0005490

[Click here to insert a new record.](#)

Edit	Delete	Report Year*	Utility KWH	Total PCC	Acre Feet Volume	Preferred Method
		2010	9880.00	01/01/09 599.56	16.00	PCC
		Utility	Account Number	Service Number	Validated	Tracking
		Idaho Power		6161548312		No
		Acre Feet Qualifier	Comments			
		5-Multiple operating conditions, not all PCCs available but could be	Ran in October only and did not get measurement in 2010. Will be on list for 2011. jbh			
Edit	Delete	Report Year*	Utility KWH	Total PCC	Acre Feet Volume	Preferred Method
		2009	95640.00	01/01/09 599.56	160.00	PCC
		Utility	Account Number	Service Number	Validated	Tracking
		Idaho Power		6161548312		No
		Acre Feet Qualifier	Comments			
		5-Multiple operating conditions, not all PCCs available but could be	Combined 2007 measurement with a condition from 2001 to match reported KW use. Will measure again in 2010.jdh			
Edit	Delete	Report Year*	Utility KWH	Total PCC	Acre Feet Volume	Preferred Method
		2008	137320.00	07/24/07 603.30	228.00	PCC
		Utility	Account Number	Service Number	Validated	Tracking
		Idaho Power		6161548312		No
		Acre Feet Qualifier	Comments			
		5-Multiple operating conditions, not all PCCs available but could be	Measured 48 kW and reported demand of 69. bcm -- you measured more than one condition, please do not use option 1. pcc may be ok but need to verify all conditions, and also test flowmeter. cy.			

Edit	Delete	Report Year*	Utility KWH	Total PCC	Acre Feet Volume	Preferred Method
		2007	117320.00	07/24/07 603.30	194.46	
		Utility	Account Number	Service Number	Validated	Tracking
		Idaho Power		6161548312		No
		Acre Feet Qualifier	Comments			
		1-Simple system with one operating condition, current valid PCC				
Edit	Delete	Report Year*	Utility KWH	Total PCC	Acre Feet Volume	Preferred Method
		2006	54960.00	07/24/07 603.30	91.00	
		Utility	Account Number	Service Number	Validated	Tracking
		Idaho Power		6161548312		No
		Acre Feet Qualifier	Comments			
		Q-Other qualifying conditions, see PCC comments for explanation	No recent measurement due to well not being used, thus the kws dont match. JBH -- updated to 07 pcc. cy.			
Edit	Delete	Report Year*	Utility KWH	Total PCC	Acre Feet Volume	Preferred Method
		2005	0.00	01/01/01 650.04	0.00	
		Utility	Account Number	Service Number	Validated	Tracking
		Idaho Power		6161548312	Validated by Water Master	No
		Acre Feet Qualifier	Comments			
		Z-Zero pumpage				
Edit	Delete	Report Year*	Utility KWH	Total PCC	Acre Feet Volume	Preferred Method
		2004	0.00	01/01/01 650.04	0.00	
		Utility	Account Number	Service Number	Validated	Tracking
		Idaho Power		6161548312	Validated by IDWR	No
		Acre Feet Qualifier	Comments			
		Z-Zero pumpage				
Edit	Delete	Report Year*	Utility KWH	Total PCC	Acre Feet Volume	Preferred Method
		2003	0.00	01/01/01 650.04	0.00	
		Utility	Account Number	Service Number	Validated	Tracking
		Idaho Power		6161548312	Validated by IDWR	No
		Acre Feet Qualifier	Comments			
		Z-Zero pumpage				

Edit	Delete	Report Year*	Utility KWH	Total PCC	Acre Feet Volume	Preferred Method
		2002	0.00	01/01/01 650.04	0.00	
		Utility	Account Number	Service Number	Validated	Tracking
		Idaho Power	8580806066	6161548312	Validated by IDWR	No
		Acre Feet Qualifier	Comments			
		Z-Zero pumpage				
Edit	Delete	Report Year*	Utility KWH	Total PCC	Acre Feet Volume	Preferred Method
		2001	0.00	01/01/01 650.04	0.00	
		Utility	Account Number	Service Number	Validated	Tracking
		Idaho Power	15560009389	3116215508	Validated by IDWR	No
		Acre Feet Qualifier	Comments			
		Z-Zero pumpage				
Edit	Delete	Report Year*	Utility KWH	Total PCC	Acre Feet Volume	Preferred Method
		2000	0.00		0.00	
		Utility	Account Number	Service Number	Validated	Tracking
		Idaho Power			Validated by IDWR	No
		Acre Feet Qualifier	Comments			
		Z-Zero pumpage	No use per IPCO records			
Edit	Delete	Report Year*	Utility KWH	Total PCC	Acre Feet Volume	Preferred Method
		1999	0.00	01/01/01 650.00	0.00	
		Utility	Account Number	Service Number	Validated	Tracking
		Idaho Power	15560009389		Validated by IDWR	No
		Acre Feet Qualifier	Comments			
		Z-Zero pumpage	No use per IPCO records			

IDAHO DEPARTMENT OF WATER RESOURCES
Water Measurement Program

WATER MEASURING DEVICE CERTIFICATION

(Revised 11/2001)

District 13G

Diversion Name _____

Inventory Date _____

Inventory Examiner _____

PCC o.k.? ☐ Yes ☐ No

Test Date 7/11/12

Person performing test Jordan

Exam complete? ☒ Yes ☐ No

Name: Snake Pit

Water Right No.: _____

Legal Description: T. _____ R. _____ Sec. _____ 1/4 _____ 1/4 _____ 1/4

Site Tag No.: ADD5490

Diversion Name: _____

Current Owner

Name Eugene Krusze

Phone _____

Address P.O. Box 666

Cell 431-4474

City Minidoka St Id Zip 83343

E-mail _____

Operator (if leased or operated by person other than owner)

Name Don Taylor

Phone _____

Address _____

Cell _____

City _____ St _____ Zip _____

E-mail _____

SECTION 1 – Well Site Identification

Global Positioning System Data:

Data Collection Filename _____ Offset _____

IDWR Site Tag Identification No. _____

Site Tag Location description: _____

PLS/USGS LOCATOR _____

For Department/District Use Only

Received by _____ Date _____

Reviewed by _____ Date _____

Data Entry By _____ Date _____

SECTION II – Installed Meter Information

METER AND MOUNTING PIPE INFORMATION			
Motor HP	US Motors	Volume units	Acre-Feet Gallons Other (specify) <u>2.41</u>
Meter Install Date	9/6/36/10/8	Volume multiplier	<u>x 100</u>
Manufacturer	M. C. Crane	Installation location	☒ Excel ☐ Fair ☐ Good ☐ Poor
Meter Type	PROP	Pipe material	US
Meter Model	500000	Outside diameter	3.01
Serial Number		Wall thickness	.106
Size (nominal)	8"	Inside diameter	
Measure Flow Rate?	☒ Yes ☐ No	Amount of straight pipe upstream from meter	<u>4</u> Inches <u> </u> Pipe Lengths
Measurement Units	☐ CFS ☒ GPM Other (specify) <u> </u>	Amount of straight pipe downstream from meter	<u>9</u> Inches <u> </u> Pipe Lengths
Flow Rate Multiplier	<u>x 1</u>	Stand Meter Type	☒ Sonic ☐ Pyg ☐ Collins ☐ Hall ☐ Anub ☐ Dye/chem ☐ Other <u> </u>
Measure Cumulative Volume?	☒ Yes ☐ No	Standard Meter Confidence	☒ Excellent 2% ☐ Good 5% ☐ Fair 10% ☐ Poor > 10%

Multiple Flowmeters

Are multiple flowmeters used to measure diversions from this well? ☐ Yes ☒ No

If yes, how many?

(Attach separate form for each meter checked and/or calibrated.)

Multiple Wells

If this meter measures diversions from multiple wells, list names and locations of other wells:

SECTION III – Certification for Calibration of a Water Measurement Meter

Measurement No. 1 (M_1) is the measured rate of flow from the permanently installed flow meter.

Measurement No. 2 (M_2) is the measured rate of flow from the measuring device being used to check the flow for the calibration. This method or device must be accurate to within $\pm 5\%$ error. Describe below the method and equipment used to perform this measurement.

$$\text{Percent Difference} = (M_1 - M_2) \div M_2 \times 100 = \pm \% \quad (\text{Acceptable is within } \pm 10\%) \quad (\text{equation 1})$$

$$\text{Calibration Multiplier} = M_2 \div M_1 \quad (\text{equation 2})$$

Is flowmeter installed according to manufacturer's specifications? ☒ Yes ☐ No ☐ Unsure

Describe any apparent problems with installation or operation _____

Flowmeter accuracy prior to any adjustments: _____ Totalizer reading _____

Flowmeter accuracy after final adjustment: _____ Totalizer reading _____

Flowmeter calibration multiplier: _____

FLOWMETER ACCURACY CALIBRATION TABLE							
Installed meter (totalizer reading)	Time	Total Gallons	Average Flow Rate GPM (M_1)	Standard total gallons	Average Flow Rate GPM (M_2)	% diff. ($\pm$)	Comments and adjustments
84377	Start						
814336	10:00	6732	638.3	6417	641.7	-1.5%	OK
	(10:55)						

Notes – Comments – Calculations: 4787 5 Bars

SPEAK TEST SECTION

THIS OLD METER IS STILL WORKING!!

$$9 \times 100 \times 7.43 =$$

WATER LEVEL DATA	
Does the well have access to measure water levels? ~ Yes ~ No (<i>check one</i>)	
Is this well part of USGS, IDWR, or another network of water level monitoring wells? ~ Yes ~ No (<i>check one</i>)	
Static Water Level _____ ft Date _____	Pumping Water Level _____ ft (at condition _____) Date _____

Sketch and/or photograph of installation:

I certify that the above information is true and correct to the best of my knowledge and ability and the measurements taken and recorded are in accordance with the standards and specifications of the equipment used.

Signature _____ Date _____
(person performing measurements)

LD06
No.06
LOG NAME:A0005490
START :07-11 14:26
END :07-11 14:36
INTERVAL:00:01:00

7/11/2012 14:26
+4.302E+0 ft/s
+6.405E+2 gal/m
+TOTAL 0000000 gal
NORMAL

7/11/2012 14:27
+4.314E+0 ft/s
+6.423E+2 gal/m
+TOTAL 0000632 gal
NORMAL

7/11/2012 14:28
+4.316E+0 ft/s
+6.426E+2 gal/m
+TOTAL 0001274 gal
NORMAL

7/11/2012 14:29
+4.289E+0 ft/s
+6.385E+2 gal/m
+TOTAL 0001914 gal
NORMAL

7/11/2012 14:30
+4.257E+0 ft/s
+6.337E+2 gal/m
+TOTAL 0002554 gal
NORMAL

7/11/2012 14:31
+4.295E+0 ft/s
+6.394E+2 gal/m
+TOTAL 0003194 gal
NORMAL

7/11/2012 14:32
+4.270E+0 ft/s
+6.357E+2 gal/m
+TOTAL 0003835 gal
NORMAL

7/11/2012 14:33
+4.330E+0 ft/s
+6.445E+2 gal/m
+TOTAL 0004476 gal
NORMAL

7/11/2012 14:34
+4.322E+0 ft/s
+6.433E+2 gal/m
+TOTAL 0005120 gal
NORMAL

7/11/2012 14:35
+4.313E+0 ft/s
+6.421E+2 gal/m
+TOTAL 0005757 gal
NORMAL

7/11/2012 14:36
+4.332E+0 ft/s
+6.449E+2 gal/m
+TOTAL 0006396 gal
NORMAL

FUJI= 639.6 gpm
Mc Crometer= 638.3 gpm

Idaho Department of Water Resources

**Quick Search:**[For assistance, email WMIS Info](#)

Search Method: Reporting District
Reporting District: Magic Valley GWD
WMIS Number: 100795
Legal Description: 08S 26E 5 SW NE SW
Metal Tag Number: A0005335

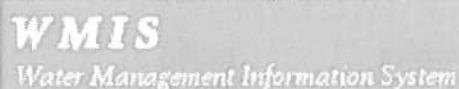
You are logged in as cyenter[Point Of Diversion](#) [PCC](#) ▶ [Flow Meter](#) ▶ [Time Clock](#) [Alternate](#) [Contacts](#) [Data Summary](#) [Other](#) ▶ [Logout](#)**Point Of Diversion***You are viewing 100795; A0005335*

[Edit](#) WMIS Number 100795 Network Well No
Reporting District Magic Valley GWD Access Power Yes
Measurement Option Unused (6) Water District 130
Metal Tag Number A0005335 Tag Location ON POWER POLE 30' SE OF WELL
Followup Date 1/1/2020 12:00:00 AM Comments Doesn't appear to be used this year (SNK 8/14/95)
Diversion Name Snake Pit

[Search Water Rights](#)[Contacts](#) [PLSS](#) [Spatial Data](#) [Water Source](#) [Water Rights](#)

Water Right Number	Owner Type	Owner Name	Address	Phone	City/State/ Zip	Email
36-2270	Current Owner	HRUZA, EUGENE	PO BOX 66	(208) 431-4474	MINIDOKA, ID 83343	
36-2270	Current Owner	HRUZA, SHIRLEY	PO BOX 66	(208) 531-5543	MINIDOKA, ID 83343	

Idaho Department of Water Resources



Quick Search:

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[Point Of Diversion](#) [PCC](#) ▶ [Flow Meter](#) ▶ [Time Clock](#) [Alternate](#) [Contacts](#) [Data Summary](#) [Other](#) ▶ [Logout](#)

PCC Power Usage

You are viewing 100795; A0005335

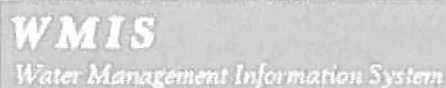
[Click here to insert a new record.](#)

Edit	Delete	Report Year*	Utility KWH	Total PCC	Acre Feet Volume	Preferred Method
		2010				PCC
		Utility	Account Number	Service Number	Validated	Tracking
		Idaho Power		3116215508		No
		Acre Feet Qualifier		Comments		
		Z-Zero pumpage				
Edit	Delete	Report Year*	Utility KWH	Total PCC	Acre Feet Volume	Preferred Method
		2009				
		Utility	Account Number	Service Number	Validated	Tracking
		Idaho Power		3116215508		No
		Acre Feet Qualifier		Comments		
		Z-Zero pumpage				
Edit	Delete	Report Year*	Utility KWH	Total PCC	Acre Feet Volume	Preferred Method
		2008	0.00			
		Utility	Account Number	Service Number	Validated	Tracking
		Idaho Power		3116215508		No
		Acre Feet Qualifier		Comments		
		Z-Zero pumpage				
Edit	Delete	Report Year*	Utility KWH	Total PCC	Acre Feet Volume	Preferred Method

2007		0.00							
Utility		Account Number		Service Number		Validated		Tracking	
Idaho Power				3116215508				No	
Acre Feet Qualifier				Comments					
Z-Zero pumpage									

Edit	Delete	Report Year*	Utility KWH	Total PCC	Acre Feet Volume	Preferred Method			
		2006	0.00						
		Utility	Account Number	Service Number	Validated	Tracking			
		Idaho Power		3116215508		No			
		Acre Feet Qualifier		Comments					
		Z-Zero pumpage							

Idaho Department of Water Resources



Quick Search:

[For assistance, email WMIS Info](#)

Search Method: Reporting District
 Reporting District: Magic Valley GWD
 WMIS Number: 100795
 Legal Description: 08S 26E 5 SW NE SW
 Metal Tag Number: A0005335

You are logged in as cyenter

Point Of Diversion PCC ▶ Flow Meter ▶ Time Clock Alternate Contacts Data Summary Other ▶ Logout

Flow Meter Water Usage

You are viewing 100795; A0005335

[Click here to insert a new record.](#)

Edit	Delete	Report Year*	Totalizer Start	Acre Feet Volume	Max Flow Rate (CFS)	Comments
		2010	0.00	0.00	0.00	Totalizer start reads-- lost last year. according to annual report form.
		Validated	Totalizer End 64448600.00	Adjusted Acre Feet 0.00	Adjusted Max Flow Rate 0.00	
		Calibration Data		Acre Feet Qualifier	Preferred Method PCC	
Edit	Delete	Report Year*	Totalizer Start	Acre Feet Volume	Max Flow Rate (CFS)	Comments
		2007	34985000.00	0.00		
		Validated	Totalizer End 44509600.00	Adjusted Acre Feet	Adjusted Max Flow Rate	
		Calibration Data		Acre Feet Qualifier	Preferred Method	
Edit	Delete	Report Year*	Totalizer Start	Acre Feet Volume	Max Flow Rate (CFS)	Comments
		2006	28071800.00	0.00		
		Validated	Totalizer End 34985000.00	Adjusted Acre Feet	Adjusted Max Flow Rate	
		Calibration Data		Acre Feet Qualifier	Preferred Method	
Edit	Delete	Report Year*	Totalizer Start	Acre Feet Volume	Max Flow Rate (CFS)	Comments
		2005	28071800.00			UNUSED

Validated	Totalizer End	Adjusted Acre Feet	Adjusted Max Flow Rate
Validated by IDWR	28071800.00		
Calibration Data		Acre Feet Qualifier	Preferred Method

IDAHO DEPARTMENT OF WATER RESOURCES
Water Measurement Program**POWER CONSUMPTION COEFFICIENT WORKSHEET**

(Revised 6/2006)

District 130Diversion Name Upper Carter Pit

Inventory Date _____

Test Date 7/12/12

Inventory Examiner _____

Person performing test 7/12/12PCC o.k.? ☐ Yes ☐ NoExam complete? ☒ Yes ☐ No

Name:	_____
Water Right No.:	_____
Legal Description:	T _____ R _____ Sec. _____ $\frac{1}{4}$ _____ $\frac{1}{4}$ _____ $\frac{1}{4}$ _____
Site Tag No.:	<u>A0017790</u> (New Tag)
Diversion Name:	<u>Upper Carter Pit</u>

Current OwnerName E. Hruza

Phone _____

Address _____

Cell 431-4474

City _____ St _____ Zip _____

E-mail _____

Operator (if leased or operated by person other than owner)Name Dana Taylor

Phone _____

Address _____

Cell _____

City _____ St _____ Zip _____

E-mail _____

Global Positioning System Data:

Data Collection Filename _____ Offset _____

IDWR Site Tag Identification No. _____

Site Tag Location description: _____

PLS/USGS LOCATOR _____

For Department/District Use Only

Received by _____

Date _____

Reviewed by _____

Date _____

Data Entry By _____

Date _____

Well Pump and Motor Information

Pump Data		Motor Data	
Manufacturer	LB	Manufacturer	US motors
Serial Number	45007	Serial Number	K022004425062-01
Model Number		Rated Horsepower	250
Type		Rated Amps	
Impeller Diameter		Rated Volts	
Rated Speed		Rated Speed	
Rated Discharge		Phase	
Rated Head		Service Factor	

Booster Pump and Motor Information

Pump Data		Motor Data	
Manufacturer		Manufacturer	
Serial Number		Serial Number	
Model Number		Rated Horsepower	
Type		Rated Amps	
Impeller Diameter		Rated Volts	
Rated Speed		Rated Speed	
Rated Discharge		Phase	
Rated Head		Service Factor	

Power and Water Metering Information

Kilowatt-Hour Meter		Water Measurement Equipment and Pipe Information	
Utility	IP10	Std. Meter Manufacturer	Fuji
Pole Number	68526E530	Std. Meter Model No.	
Meter Manufacturer	GE	Std. Meter Type (circle one)	Sonic Pyg Collins Hall Anub-Dye/chem. Other
Meter Serial No.	50466256	Std. Meter Confidence (circle one)	Excl 2% Good 5% Fair 10% Poor >10%
Disc Constant (Kh)	1.8	PSI gauge ID location = discharge head	District / Owner _____ Yes / No
Rated Voltage		Pipe Material	CS
Demand	4.48	Pipe Outside Diameter	10.81
Multiplier (Mult)	1	Pipe Inside Diameter	
CTR (Current) PTR (Voltage)		Distance of straight pipe upstream and down	Upstream 4' Downstream 4'

SS= 484

Determination of Power Consumption Coefficient

Kilowatts of Energy Consumed

$$KW = 3.6 \times Kh \times \text{Multiplier} \times \text{No. of revolutions (N)} \div \text{Time (T) in seconds per N}$$

Cond.#1 N = 20 (No. of Disc Rev) Time (sec) = (29.03) + (29.03) + (29.04) / 3 = 29.07 Ave

$$3.6 \times 1.8 \text{ (Kh)} \times 40 \text{ (Mult)} \times 20 \text{ (N)} \div 29.07 \text{ (T)} = * 178.2 \text{ KW}$$

Cond.#2 N = _____ (No. of Disc Rev) Time (sec) = (_____) + (_____) + (_____) / 3 = _____ Ave

$$3.6 \times \text{_____ (Kh)} \times \text{_____ (Mult)} \times \text{_____ (N)} \div \text{_____ (T)} = * \text{_____ KW}$$

Cond.#3 N = _____ (No. of Disc Rev) Time (sec) = (_____) + (_____) + (_____) / 3 = _____ Ave

$$3.6 \times \text{_____ (Kh)} \times \text{_____ (Mult)} \times \text{_____ (N)} \div \text{_____ (T)} = * \text{_____ KW}$$

Measured Flow Rate and Discharge Pressure – Enter flow rate as determined by the "standard" water measurement meter in GPM, and discharge pressure measured in PSI. Attach documentation to support data such as notes, printout tapes, etc.

GPM Cond. #1 * 1548.1 #2 * _____ #3 * _____

PSI Cond. #1 * _____ #2 * _____ #3 * _____

Power Consumption Coefficient (PCC) = KW × 5431 ÷ GPM

$$\text{PCC Cond \#1} = * 178.2 \text{ (KW)} \times 5431 \div * 1548.1 \text{ (gpm)} = 625.5 \text{ (kWh/ac.ft)}$$

Qualifier Condition 1: 1 2 3 4 5 6 7 8 9 Other

Percent of seasonal use * _____ Description * _____

$$\text{PCC Cond \#2} = * \text{_____ (KW)} \times 5431 \div * \text{_____ (gpm)} = \text{_____ (kWh/ac.ft)}$$

Qualifier Condition 2: 1 2 3 4 5 6 7 8 9 Other

Percent of seasonal use * _____ Description * _____

$$\text{PCC Cond \#3} = * \text{_____ (KW)} \times 5431 \div * \text{_____ (gpm)} = \text{_____ (kWh/ac.ft)}$$

Qualifier Condition 3: 1 2 3 4 5 6 7 8 9 Other

Percent of seasonal use * _____ Description * 3. Pivots on Africa

Is the system operator required to track and report changes in system operation? ~ Yes ~ No (check one)

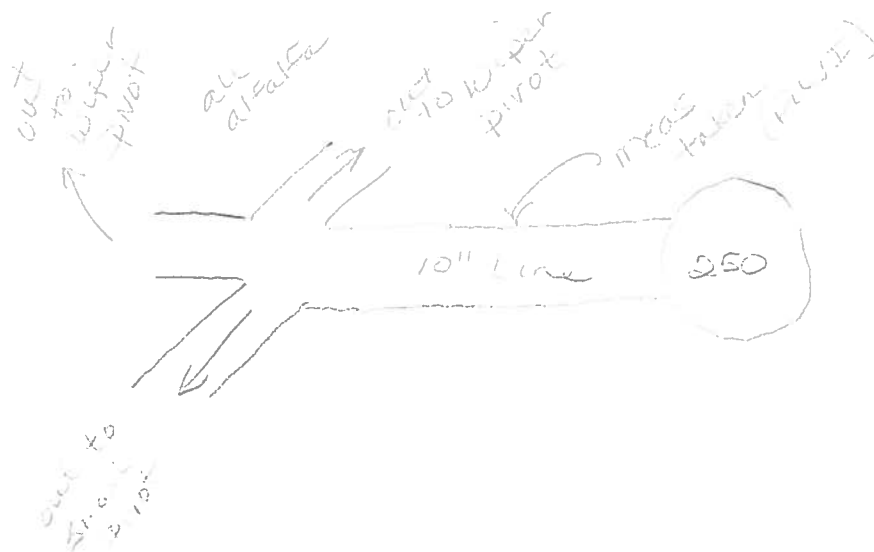
System Type (circle all that apply): Pivot, linear / Wheel In / Hand In / Gated pipe, flood / Drip / Open Discharge

	Crop Type	Number of Acres
1		
2		
3		
4		
Total Acres =		

WATER LEVEL DATA	
Does the well have access to measure water levels? ~ Yes ~ No (check one)	
Is this well part of USGS, IDWR, or another <u>network</u> of water level monitoring wells? ~ Yes ~ No ~ Uncertain	
Static Water Level _____ ft Date _____	Pumping Water Level _____ ft at condition # _____) Date _____

Further describe system operating conditions (if necessary) and how percentage of seasonal use was obtained: _____

Sketch of pumping plan layout or photograph of pumping plant and piping:



Notes – Comments – Calculations:

4847

Spread section

I certify that the above information is true and correct to the best of my knowledge and ability and the measurements taken and recorded are in accordance with the standards and specifications of the equipment used.

Signature _____

Date _____

(person performing measurements)

LOG NAME:A0005335
START :07-11 13:52
END :07-11 14:02
INTERVAL:00:01:00

7/11/2012 13:58
+5.856E+0 ft/s
+1.557E+3 gal/m
+TOTAL 0009247 gal
NORMAL

7/11/2012 13:52
+5.748E+0 ft/s
+1.529E+3 gal/m
+TOTAL 0000000 gal
NORMAL

7/11/2012 13:59
+5.876E+0 ft/s
+1.563E+3 gal/m
+TOTAL 0010789 gal
NORMAL

7/11/2012 13:53
+5.751E+0 ft/s
+1.529E+3 gal/m
+TOTAL 0001515 gal
NORMAL

7/11/2012 14:00
+5.834E+0 ft/s
+1.552E+3 gal/m
+TOTAL 0012329 gal
NORMAL

7/11/2012 13:54
+5.807E+0 ft/s
+1.544E+3 gal/m
+TOTAL 0003057 gal
NORMAL

7/11/2012 14:01
+5.773E+0 ft/s
+1.535E+3 gal/m
+TOTAL 0013878 gal
NORMAL

7/11/2012 13:55
+5.852E+0 ft/s
+1.556E+3 gal/m
+TOTAL 0004607 gal
NORMAL

7/11/2012 14:02
+5.872E+0 ft/s
+1.562E+3 gal/m
+TOTAL 0015429 gal
NORMAL

7/11/2012 13:56
+5.833E+0 ft/s
+1.551E+3 gal/m
+TOTAL 0006155 gal
NORMAL

FUJI= 1542.9 gpm

7/11/2012 13:57
+5.810E+0 ft/s
+1.545E+3 gal/m
+TOTAL 0007698 gal
NORMAL