IDAHO DEPARTMENT OF WATER RESOURCES Water Measurement Program

POWER CONSUMPTION COEFFICIENT WORKSHEET

(Revised 6/2006)

District //			
Diversion Name Todd Uoyd	lump.		
Inventory Date	Test Date		
Inventory Examiner	Person performing test Became complete? □ Yes □ No		
PCC o.k.? □ Yes □ No			
Site Tag No.:	-Monpelier Canal Co. Sec. 8 NE 1/4 SE 1/4 NW1/4		
Current Owner Name Todd Cloyd	Phone 3(7- 608 Cell 22 - 3010		
AddressStSt Zip	E-mail		
City 1) 11 2 10 2 1p	L-IIIaII		
Operator (if leased or operated by person of			
Name	Phone		
Address	Cell		
CitySt Zip	E-mail		
Global Positioning System Data: Data Collection FilenameA 1. IDWR Site Tag Identification NoA Site Tag Location description: Post PLS/USGS LOCATORV_2 - 13.3	as you approach pump.		
For Department/District Use Only			

Well Pump and Motor Information

Pump Data		Motor Data	
Manufacturer	US Elec	Manufacturer	USZ (yohrac
Serial Number	7260103	Serial Number	
Model Number	336 R3E/B	Rated Horsepower	60kp.
Туре	R-I	Rated Amps	V V
Impeller Diameter	9-11-16.	Rated Volts	
Rated Speed	3450	Rated Speed	
Rated Discharge	600 GPM.	Phase	
Rated Head		Service Factor	

Booster Pump and Motor Information

Pump Data	Motor Data
Manufacturer	Manufacturer
Serial Number	Serial Number
Model Number	Rated Horsepower
Туре	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	Paulicorp	Std. Meter Manufacturer	Fuli.
Pole Number	0 85700	Std. Meter Model No.	S 1012
Meter Manufacturer	ABB	Std. Meter Type (circle one)	Sonie Pyg Collins Hall Anub Dye/chem. Other
Meter Serial No.	01847480	Std. Meter Confidence (circle one)	Excl Good Fair Poor 2% (5%) 10% >10%
Disc Constant (Kh)		PSI gauge ID location ≘ discharge head	District / Owner Yes / No
Rated Voltage		Pipe Material	alum.
Demand	41.75.	Pipe Outside Diameter	806.
Multiplier (Mult)		Pipe Inside Diameter	
CTR (Current) PTR (Voltage)		Distance of straight pipe upstream and down	Upstream Downstream

,093 5,635,

Kilowatts of Energy Consumed			
KW = $3.6 \times \text{Kh} \times \text{Multiplier} \times \text{No. of revolutions (N)} \div \text{Time (T) in seconds per N}$			
Cond.#1 N = $\frac{30}{100}$ (No. of Disc Rev) Time (sec) = $(\frac{31}{100})$ + $(\frac{34}{100})$ + $(\frac{40}{100})$ + $(4$	Ave		
3.6 × (Kh) × (Mult) × (N) ÷ (T) = * KW			
Cond.#2 N = (No. of Disc Rev) Time (sec) = ()+()+()/3 =	Ave		
3.6 × (Kh) × (Mult) × (N) ÷ (T) = * KW			
Cond.#3 N = (No. of Disc Rev) Time (sec) = ()+()+()/3 =	Ave		
3.6 × (Kh) × (Mult) × (N) ÷ (T) = *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 *______ #2 *_____ #3 *______

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

Power Consumption Coefficient (PCC) = KW × 5431 ÷GPM			
PCC Cond #1 = *	(KW) × 5431 ÷ *	(gpm) =	(kWh/ac.ft)
Qualifier Condition 1	i: 123456789 Other		
Percent of seasonal u	se * Description *		
PCC Cond #2 = *	(KW) × 5431 ÷ *	(gpm) =	(kWh/ac.ft)
Qualifier Condition 2	2: 1 2 3 4 5 6 7 8 9 Other		
Percent of seasonal u	se * Description *		
PCC Cond #3 = *	(KW) × 5431 ÷ *	(gpm) =	(kWh/ac.ft)
Qualifier Condition 3	3: 123456789 Other		
Percent of seasonal u	se * Description *	AAPPER	
Is the system operator required to trace	ck and report changes in systen	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	alfalfa:-	upour Luido	
2			
3	7		
4			
		Total Acres =	

	WATER LEVEL DATA
oes the well have access to measure w	vater levels? ~ Yes ~ No (check one)
s this well part of USGS, IDWR, or anoth	her <u>network</u> of water level monitoring wells? ~ Yes ~ No ~ Uncertain
Static Water Levelft Date	Pumping Water Levelft at condition #) Date
	onditions (if necessary) and how percentage of seasonal use
Sketch of pumping plan layout or pho	otograph of pumping plant and piping:
Notes - Comments - Calculations: _ Montpelier Canal C	This is part of the Preston- o. They need to ple a transf pas a point of division.
	es in the freston- Montpelier
TORRING S SUNC	de de grand production de la constant de la constan
I certify that the above information is trumeasurements taken and recorded are equipment used.	e and correct to the best of my knowledge and ability and the in accordance with the standards and specifications of the
Signature	Date
(person performing	measurements)