# IDAHO DEPARTMENT OF WATER RESOURCES Water Measurement Program

#### POWER CONSUMPTION COEFFICIENT WORKSHEET

(Revised 6/2006)

District UDD 11	
	waceo pump. (Paul Krotch)
Inventory Date 6/13/07	and the state of t
Inventory Examiner	Person performing test
PCC o.k.? ☐ Yes No	
PCC O.K.? LI TES DE INC	
Legal Description: T Site Tag No.:	R
Current Owner	
Name Paul Leeton.	Phone 847-0128
Address	
CitySt Z	Zip E-mail
Operator (if leased or operated by	by person other than owner)
Name Paul Voitch	Phone
Address	
CitySt Z	
Global Positioning System Dat	ta:
Data Collection Filename	Offset 200
IDWR Site Tag Identification I	No. <u>A001423.</u>
Site Tag Location description:	: Headquite to the old lagarro ditch
PLS/USGS LOCATOR	the contract of the contract o
For Department/District Use Only	
Received by	
Reviewed by Data Entry By	

### Well Pump and Motor Information

Pump Data		Motor Data	
Manufacturer	US Electric	Manufacturer	
Serial Number	RO9R17201678-7	Serial Number	
Model Number	G-06851	Rated Horsepower	
Туре	40 hp. P-1	Rated Amps	
Impeller Diameter	*	Rated Volts	
Rated Speed	1770 RPM	Rated Speed	
Rated Discharge		Phase	
Rated Head		Service Factor	

## **Booster Pump and Motor Information**

Pump Data		Motor Data	
Manufacturer	Century	Manufacturer	
Serial Number	<i>y</i>	Serial Number	
Model Number		Rated Horsepower	
Туре		Rated Amps	
Impeller Diameter		Rated Volts	
Rated Speed	20 hp.	Rated Speed	
Rated Discharge		Phase	
Rated Head		Service Factor	

## **Power and Water Metering Information**

Kilowatt-Hour Meter		Water Measurement Equipment and Pipe Information	
Utility	locky Min lower	Std. Meter Manufacturer	Pana metrics.
Pole Number	356000	Std. Meter Model No.	
Meter Manufacturer	Sangamo Elec.	Std. Meter Type (circle one)	Sonic Pyg Collins Hall Anub Dye/chem. Other
Meter Serial No.	41977796	Std. Meter Confidence (circle one)	Excl Good Fair Poor 2% 5% 10% >10%
Disc Constant (Kh)	28.8	PSI gauge ID location ≅ discharge head	District / Owner Yes / No
Rated Voltage	480 V	Pipe Material	alumn.
Demand	133 332	Pipe Outside Diameter	8.02
Multiplier (Mult)	12	Pipe Inside Diameter	Sinch.
CTR (Current) PTR (Voltage)	,	Distance of straight pipe upstream and down	Upstream Downstream

#### **Determination of Power Consumption Coefficient**

Kilowatts of Energy Consumed		
KW = 3.6 $\times$ Kh $\times$ Multiplier $\times$ No. of revolutions (N) $\div$ Time (T) in	n seconds	per N
Cond.#1 N = $3$ (No. of Disc Rev) Time (sec) = $(30.03)+(30.63)+(30.63)$	<u>%)</u> /3 = <u>30</u>	Ave
$3.6 \times 28.8$ (Kh) $\times 12$ (Mult) $\times 3$ (N) $+ 30.1$ (T) = $*121.5$	<u>KW</u>	28 16
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	

	8 : 2 :	()	
Power Consumption Coeff	icient (PCC) = $KW \times 5$	431 ÷GPM	
PCC Cond #1 = * <u> </u>	/(KW) × 5431 ÷ *	(gpm) =	(kWh/ac.ft)
Qualifier Condition 1	: 123456789 Other		
Percent of seasonal u	se * Description `	*	
PCC Cond #2 = *	(K\N/\ × 5431 ÷ *	(apm) =	(k\\/h/ac ft)
1 00 0011d #2 =		(9Piii) =	(KVVIII do.it)
Qualifier Condition 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	: 123456789 Other		
Percent of seasonal u	se * Description '	* 	
Is the system operator required to trac			
System Type (circle all that apply)	ः Pivot् linear / Wheel In / Hand	d In / Gated pipe, flood	/ Drip / Open Discharge

	Crop Type	Number of Acres
1	alfalfa (DIVOT)	120 (40kp)
2	wheel lines	30
3		
4		
	Total Acres =	

.38 in/day

951 12.5

Door the well have seen to		WATER LEVEL D		,
Does the well have access to	measure wa	aterievels? ~ \	′es ∼No (	
s this well part of USGS, IDW	R, or anoth	er <u>network</u> of water	level monito	ring wells? ~ Yes ~ No ~ Uncertain
Static Water Level Date			evel Date	ft at condition #
	=	nditions (if necess		w percentage of seasonal use
Sketch of pumping plan lay	out or phot	tograph of pumpin	g plant and	piping:
Notes – Comments – Calcul	ations:			
I certify that the above information measurements taken and recomplement used.				
Signature				Date
(person p	erforming n	neasurements)		