IDAHO DEPARTMENT OF WATER RESOURCES Water Measurement Program

POWER CONSUMPTION COEFFICIENT WORKSHEET

(Revised 6/2006)

District //	
Diversion Name James Hardca	istle Humanter.
Inventory Date	Test Date
Inventory Examiner	· · · · · · · · · · · · · · · · · · ·
PCC o.k.? □ Yes □ No	Exam complete? ☐ Yes ☐ No
Site Tag No.:	1-7/03 R Sec. 1/4 1/4
Current Owner	
Name Leon Hardcastle	Phone 847-2-28/
Address	Cell
CitySt Zip _	E-mail
Operator (if leased or operated by pe	erson other than owner)
Name	,
Address	
CitySt Zip _	
Global Positioning System Data:	
Data Collection Filename	Offset
Site Tag Location description:	
PLS/USGS LOCATOR N 420 /	9.799 WIII 21.191'
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	Monarch.	Manufacturer	Deutz.	
Serial Number	3679	Serial Number	4/cy	
Model Number	263HP3	Rated Horsepower	eo ha	
Туре		Rated Amps	//	
Impeller Diameter		Rated Volts		
Rated Speed		Rated Speed	2400.	
Rated Discharge		Phase		
Rated Head		Service Factor		

Same as alleman

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-H	lour Meter	Water Measurement Equipment and Pipe Information		
Utility	Diesel.	Std. Meter Manufacturer	Fagi	
Pole Number	ł	Std. Meter Model No.	\$ 10/2	
Meter Manufacturer		Std. Meter Type (circle one)	Sonie Pyg Collins Hall Anub Dye/chem. Other	
Meter Serial No.		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		Pipe Outside Diameter	8.03.	
Multiplier (Mult)		Pipe Inside Diameter		
CTR (Current) PTR (Voltage)		Distance of straight pipe upstream and down	Upstream Downstream	

Determination of Power Consumption Coefficient

Kilowatts of Energy Consumed								
KW = $3.6 \times \text{Kh} \times \text{Multiplier} \times \text{No. of revolutions (N)} + \text{Time (T) in seconds per N}$								
Cond.#1 N =	(No. of I	Disc Rev) Tim e	e (sec) = ()+()+(_)/3 =	Ave		
3.6 ×	_ (Kh) ×	(Mult) ×	(N) ÷	(T) = *	KW			
Cond.#2 N =	(No. of	Disc Rev) Tim e	e (sec) = ()+()+(_)/3 =	Ave		
3.6 ×	(Kh)×	(Mult) ×	(N) ÷	(T) = *	KW			
Cond.#3 N =	(No. of	Disc Rev) Tim o	8 (sec) = ()+()+(_)/3 =	Ave		
3.6 ×	_ (Kh) ×	(Mult)×	(N) ÷	(T) = *	KW	2000-00-00-00-00-00-00-00-00-00-00-00-00		

Power Consumption Co	<u>efficient (PCC)</u> = KW × 5	6431 +GPM	The state of the s
PCC Cond #1 = *	(KW) × 5431 ÷ *	(gpm) =	(kWh/ac.ft)
Qualifier Condition	on 1: 123456789 Other		et et monet annotation
Percent of season	al use * Description	*	
PCC Cond #2 = *	(KW) × 5431 ÷ *	(gpm) =	(kWh/ac.ft)
Qualifier Condition	on 2: 1 2 3 4 5 6 7 8 9 Other		
Percent of season	al use * Description	*	
PCC Cond #3 = *	(KW) × 5431 ÷ *	(gpm) =	(kWh/ac.ft)
Qualifier Condition	on 3: 123456789 Other		1.98 C
Percent of season	al use * Description	*	
Is the system operator required to	on 3: 1 2 3 4 5 6 7 8 9 Other al use * Description track and report changes in syste	m-operation? ~ Yes	~ No (check one)
System Type (circle all that ap	olv): Pivot, linear / Wheel(In / Han	d In√Gated pipe, flood	d / Drip / Open Discharge

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

			WATER LEVE	LDATA			, w
oes the well ha	ove access to me	easure wa	iter levels?	~ Yes ~ I	No (check one)		
s this well part o	of USGS, IDWR	, or anothe	er <u>network</u> of w	rater level m	onitoring well	s? ~ Yes ~ ~ Uncerta	
	evel	ft	Pumping Wat		ft	at condition #	#)
Further descril	oe system oper		nditions (if nec			ntage of seas	onal use
ketch of pum	ping plan layou Measure ble pun	ıt or phot	ograph of pur	m <u>ping plan</u>	t and piping:	1.01	Allx
Rock	Measure	ed W	e press	erre c	No The	13450	The section of the se
Posta	ale sur	ng.			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Trucc	,	,					
Notes – Comm	ents – Calculat	tions:					

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						Albam nove .	
I certify that the measurements equipment used	above informati taken and recor d.	ion is true ded are ir	and correct to accordance w	the best of ith the stan	my knowledge dards and spe	e and ability are ecifications of t	nd the the
Signature		-w·-			Date _		
	(person pe	rforming n	neasurements))			

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