IDAHO DEPARTMENT OF WATER RESOURCES Water Measurement Program

POWER CONSUMPTION COEFFICIENT WORKSHEET

(Revised 6/2006)

District	
Diversion Name	
Inventory Date	
Inventory Examiner	Person performing test
PCC o.k.? □ Yes □ N	No Exam complete? ☐ Yes ☐ No
Water Right No.: Legal Description: T Site Tag No.:	YAN Keetch R_ Sec. 1/4 1/4 1/4
Current Owner Name Lynn Keeto	ch. Phone
Address	Cell
CitySt	
Operator (if leased or operated	
Name	
Address	
CitySt	Zip E-mail
Global Positioning System Da	
	Offset
IDWR Site Tag Identification	n No <i>N/A</i>
Site Tag Location descriptio	n:
PLS/USGS LOCATOR	np off Airport Rd. Dingle
For Department/District Use Only	
Received by	Date
Reviewed by	
Data Entry By	Date

Well Pump and Motor Information

Pump Data		Motor Data	
Manufacturer	Marathon Elect	Manufacturer	
Serial Number	generalises of the Control of the State Annual State of the State of t	Serial Number	
Model Number	XD 32477 0176	Rated Horsepower	40 hp.
Туре	46/10.	Rated Amps	
Impeller Diameter		Rated Volts	230V
Rated Speed		Rated Speed	175 RPM
Rated Discharge .	and the same of th	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	Rocky Mtn Paves	Std. Meter Manufacturer	Fujii
Pole Number	30803	Std. Meter Model No.	
Meter Manufacturer	GE	Std. Meter Type (circle one)	Sonic Pyg Collins Hall Anub Dye/chem. Other
Meter Serial No.	108 74583	Std. Meter Confidence (circle one)	Excl Good Fair Poor 2% 5% 10% >10%
Disc Constant (Kh)	57,6	PSI gauge ID location ≘ discharge head	District / Owner Yes / No
Rated Voltage	480	Pipe Material	steel (.174
Demand	33.7]	Pipe Outside Diameter	6.02
Multiplier (Mult)		Pipe Inside Diameter	
CTR (Current) PTR (Voltage)		Distance of straight pipe upstream and down	Upstream

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 =
$$5$$
 (No. of Disc Rev) Time (sec) = $(31.69)+(31.65)+(31.65)/3 = 31.58$ Ave 3.6×57.6 (Kh) \times 1 (Mult) \times 5 (N) \div $3/.58$ (T) = \star 32.83 KW

Cond.#2 N = ____ (No. of Disc Rev) Time (sec) = (____)+(___)+(___)+(___)/3 = ____ Ave
$$3.6 \times$$
___ (Kh) × ___ (Mult) × ____ (N) ÷ ____ (T) = *___ KW

<u>Measured Flow Rate and Discharge Pressure</u> – 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.

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

PCC Cond #1 = *
$$32.83$$
 (KW) × 5431 ÷ * 780 (gpm) = 228.58 (kWh/ac.ft)

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

Percent of seasonal use * Description *

Qualifier Condition 3: 123456789 Other

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

Percent of seasonal use * _____ Description * _____

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	alfalfa,	77
2	V V Oats	
3		
4		
	Total Acres =	<u> </u>

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 Pumping Water Level ft at condition #) Date Date
Further describe system operating conditions (if necessary) and how percentage of seasonal use was obtained: Pump is used to pump Surface water from the Bear River.
Sketch of pumping plan layout or photograph of pumping plant and piping:
Notes-Comments-Calculations: <u>operates</u> : 123 birds - 3/16 Nogar 4(0 PSI (3 wheelenes, 33 Landlines) Soil-clay loom 24h-5ets
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)