IDAHO DEPARTMENT OF WATER RESOURCES Water Measurement Program

POWER CONSUMPTION COEFFICIENT WORKSHEET

(Revised 6/2006)

District	
Diversion Name North Well.	
Inventory Date	Test Date
Water Right No.: //- 7/5 / Legal Description: T 45 R 48E S Site Tag No.: /2 00 / 0	nes 11-21/1 sec. 5 SW 4 NE 4 SW 4
Current Owner Name <u>Paul H. Danes</u> Address	Phone <u>847-1069</u> Cell
CityStSt	E-mail
Operator (if leased or operated by person other Name	
Global Positioning System Data: Data Collection Filename IDWR Site Tag Identification No	, ,
Reviewed by Date	

Well Pump and Motor Information

Pump) Data	Motor Data	
Manufacturer	New man.	Manufacturer	New man Co
Serial Number		Serial Number	New man Co V1069803
Model Number		Rated Horsepower	50
Type	And the second s	Rated Amps	127/120.
Impeller Diameter		Rated Volts	440
Rated Speed	A STATE OF THE STA	Rated Speed	1780 RPM.
Rated Discharge		Phase	3
Rated Head		Service Factor	1.15

Booster Pump and Motor Information

L	R	9	8	6	9	1
	. West	W. 344	il Silve		and contain	38

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	Pacificorp.	Std. Meter Manufacturer	Euji	
Pole Number	052200	Std. Meter Model No.	\$1012	
Meter Manufacturer	Pacificors.	Std. Meter Type (circle one)	Sonic Pyg Collins Hall Anub Dye/chem. Other	
Meter Serial No.	62 455 563.	Std. Meter Confidence (circle one)	Excl Good Fair Poor 2% 5% 10% >10%	
Disc Constant (Kh)	14.4.	PSI gauge ID location ≘ discharge head	District / Owner Yes / No	
Rated Voltage	480 V.	Pipe Material	Steel	
Demand	43.86	Pipe Outside Diameter	71.8	
Multiplier (Mult)	i i	Pipe Inside Diameter	, and the second	
CTR (Current) PTR (Voltage)		Distance of straight pipe upstream and down	Upstream Downstream	

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 = 30 (No. of Disc Rev) Time (sec) = $(35.59 + (34.68) + (35.38)/3 = 35.8$ Ave	;
3.6×14.4 (Kh) × 1 (Mult) × 30 (N) ÷ 35.8 (T) = * 44.21 KW	
Cond.#2 N =(No. of Disc Rev) Time (sec) = ()+()+()/3 =Ave	<u> </u>
$3.6 \times $ (Kh) $\times $ (Mult) $\times $ (N) $\div $ (T) = *KW	
Cond.#3 N = (No. of Disc Rev) Time (sec) = ()+()+()/3 = Ave 3.6 × (Kh) × (Mult) × (N) ÷ (T) = * KW	à,

Power Consumption Coefficient (PCC) = KW × 5431 +GPM 436 55 06
PCC Cond #1 = * 44.21 (KW) × 5431 ÷ * 550 (gpm) = 425.04 (kWh/ac.ft)
Qualifier Condition 1: 1 2 3 4 5 6 7 8 9 Other
Percent of seasonal use * Description *
PCC Cond #2 = *(KW) × 5431 ÷ *(gpm) =(kWh/ac.ft)
Qualifier Condition 2: 1 2 3 4 5 6 7 8 9 Other
Percent of seasonal use * Description *
PCC Cond #3 = *(KW) × 5431 ÷ *(gpm) =(kWh/ac.ft)
Qualifier Condition 3: 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 T	уре		Number of Acres
1	arain	whent) oot:	<u> </u>	95.4
2	brain				144-3
3	ð				
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 8 ft Pumping Water Level ft at condition #) Date 12/13/83 Page 12/13/83
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: I found out later after talking with brad the lease that the South well and the well and the well and operates 2 pivots or one pivot and wheel lines, The day I megsured the wells it was operating the 2 pivots, Tuesdays; Thursday the power shuts At Iron 2-8 and
to from a left.
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 Undy & Beid Date 7/26/07
(person performing measurements)

E:\Admin\Forms\DWR Forms\CURRENT FORMS\PCC Worksheet-ck.doc

PCC Qualifiers

- 1- Simple System with one operating condition, current valid PCC
- 2- Multiple operating conditions, all PCC measured and within 10%
- 3- Multiple Operating conditions, PCC's differ > 10%, tracking required
- 4- Multiple Operating Conditions PCC's differ > 10% tracking not reported use Low PCC
- 5- Multiple Operating Conditions not all PCC's avaible but could be
- 6- Known problems with Reported KwH data
- 7- Measured PCC during flow meter Calibration
- 8- Complex system where time clock or flowmeter may be more accurate
- 9- PCC estimated, not actually determined by measurement
- 10- N- No PCC Measurements made
- 11- Q- Other qualifying conditions see PCC comments for explanation
- 12- Z- Zero Pumpage

GPM 550 1.23 CFS NORTH WELL_PAUL DAINES

SEE 1955

LOG NAME :A10687 START :07-10 11:40 END :07-10 11:50 INTERVAL :00:01:00

07-10 11:40:00 +3.710E+0 ft/s +5.613E+2 gal/min +TOTAL 0000000 gal -3.160E+0 ANALOG IN NORMAL

07-10 11:41:00 +3.858E+0 ft/s +5.839E+2 gal/min +TOTAL 0000564 gal -3.160E+0 ANALOG IN NORMAL

07-10 11:42:00 +3.882E+0 ft/s +5.874E+2 gal/min +TOTAL 0001137 gal -3.160E+0 ANALOG IN NORMAL

07-10 11:43:00 +3.743E+0 ft/s +5.664E+2 gal/min +TOTAL 0001705 gal -3.160E+0 ANALOG IN NORMAL

07-10 11:44:00 +3.714E+0 ft/s +5.620E+2 gal/min +TOTAL 0002268 gal -3.160E+0 ANALOG IN NORMAL

07-10 11:45:00 +3.794E+0 ft/s +5.741E+2 gal/min +TOTAL 0002750 gal -3.160E+0 ANALOG IN NORMAL

07-10 11:46:00 +3.857E+0 ft/s +5.836E+2 gal/min +TOTAL 0002750 gal -3.160E+0 ANALOG IN NORMAL

07-10 11:47:00 +3.732E+0 ft/s +5.648E+2 gal/min +TOTAL 0002750 gal -3.160E+0 ANALOG IN



POINT OF DIVERSION#2

VIEW LOOKING NORTH



POINT OF DIVERSION# 2

VIEW LOOKING SOLUTH