

[illegible]

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Method of Determination:

3. ☒ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
- ☒ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
- ☒ Aerial Photo Attached (required for irrigation of 10+ acres).
- ☒ Photo of Diversion and System Attached

4.

<u>Well or Diversion</u> <u>ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge</u> <u>Size</u>
<u>Pond</u>	<u>Baldor</u>	<u>7.5</u>	<u>37E285X77</u>	<u>Berkley</u>	<u>B 581325</u>
				<u>Berkley</u>	<u>model B1WP</u>

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.

<u>Measurement</u> <u>Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>

2. Measurements:

$$\frac{5 \text{ GAL Bucket in } 5 \text{ sec}}{60 \text{ sec}} = 60 \text{ gpm} = 0.13 \text{ cfs}$$

E. FLOW CALCULATIONS

Measured Method:

____ Additional Computation Sheets Attached

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 3ac \times 3 = 9AF$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.09cfs \times 246 \times 1.9835 = 43.9AF$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = 9AF$$

2. Volume Calculations for Other Uses:

$$(1) \text{ home Domestic} = .6AF$$

$$3ac \times 3AF = 9AF$$

$$\text{Total Volume} = 9.6AF$$

Pond size

$$100 \times 100 \times 6 = 1.4AF$$

G. NARRATIVE/REMARKS/COMMENTSHave conditions of permit approval been met? ☒ Yes ☐ No**H. RECOMMENDATIONS**

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
DOMESTIC	01/01 to 12/31	0.040 CFS	0.60 AF
RECREATION STORAGE	01/01 to 12/31		1.40 AF
DOMESTIC STORAGE	01/01 to 12/31		1.20 AF
FIRE PROTECTION STORAGE	01/01 to 12/31		1.40 AF
IRRIGATION	03/15 to 11/15	0.090 CFS	9.00 AF
IRRIGATION STORAGE	03/15 to 11/15		1.40 AF
<u>Totals:</u>		0.130 CFS	9.60 AF

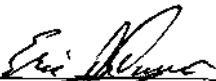
2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name



Date

9-24-2008

Reviewer



Date

11/7/8



PLACE OF USE 1.JPG



PLACE OF USE 2.JPG



PLACE OF USE 3.JPG



PLACE OF USE 4.JPG



PLACE OF USE 5.JPG



POINT OF DIVERSION.JPG



PUMP INFORMATION.JPG



PUMP MOTOR
INFORMATION.JPG



PUMP SYSTEM.JPG



STORAGE.JPG

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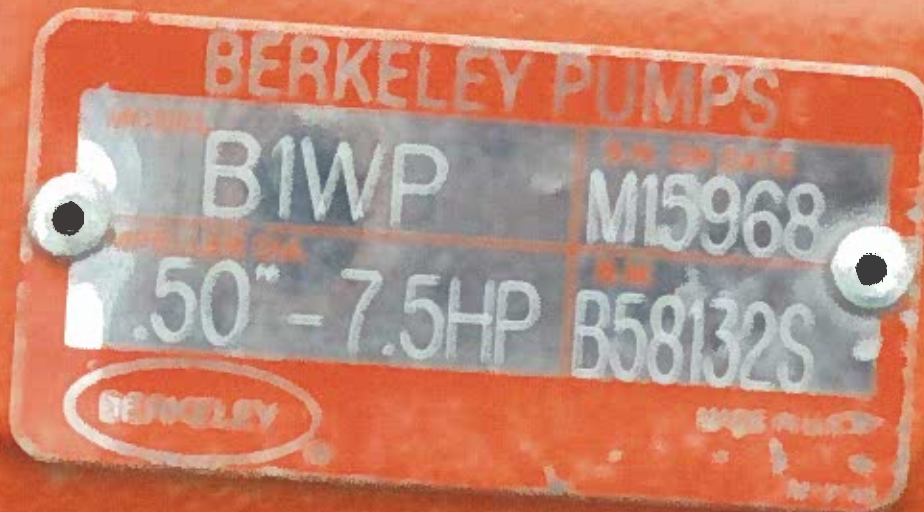
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09/24/2008

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BALDOR • RELIANCE
INDUSTRIAL MOTOR

CAT. NO.	JPL1509T									
SPEC.	37E285X77									
HP	7.5									
VOLTS	230									
AMPS	37									
R.P.M.	3450									
FRAME	213JP	Hz	60				PH	1		
SER. F.	1.15	CODE	G	DES	L	CLASS	B			
NEMA NOM. EFF.	81	%	P.F.	82	%					
RATING	40C AMB-CONT									
CC		USABLE AT 208V	39							
BEARINGS	DE	6309		ODE	6206					
ENCL.	OPEN	SN	F0706281525							

BALDOR ELECTRIC CO. FT. SMITH, AR. MFG. IN U.S.A.
NP1206L

09/24/2008



95-9205



SYSTEM



Legend

- ⊙ Right POD
- place of use

0 60 120 240 360 480 Feet



95-9205



Legend

- ⊙ Right POD
-  Right POU

0 60 120 240 360 480 Feet

