

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 11-7424

Exam Date: 8/10/2005

1. Current Owner: BEAR LAKE WEST PROPERTY OWNERS ASSN INC
C/O MIKE HOMER
PO BOX 2086
SANDY UT 84091-2086
(801)255-6100

2. Accompanied by: **STEVE HOWARD**

Phone No: **(435) 881-5143**

Address: **PO BOX 194, FISH HAVEN, ID 83278**

Relationship to Permit Holder: **OPERATIONS MANAGER**

3. **SOURCE** **TRIBUTARY**
GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: **11-7399**

2. Other water rights with the same point of diversion: **11-7399**

C. DIVERSION AND DELIVERY SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER SW1/4SE1/4NE1/4 Sec. 21, Twp 16S, Rge 43E, B.M.

BEAR LAKE County

GROUND WATER SW1/4SW1/4SW1/4 Sec. 15, Twp 16S, Rge 43E, B.M.

BEAR LAKE County

Method of Determination: **ON SITE/GPS/AERIAL PHOTOS**

2.

PLACE OF USE: DOMESTIC

Twp Rge Sec	NE				NW				SW				SE				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
16S 43E 15											X						
16S 43E 21	X	X	X	X	X			X					X				
16S 43E 22						X	X										

Method of Determination:

3. _____ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.

 X 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).

 X Photo of Diversion and System Attached

4.

<u>Well or Diversion 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 Size</u>
PLAT B WELL	UNKNOWN	5	UNKNOWN	UNKNOWN	2 INCH
PLAT C WELL	UNKNOWN	5	UNKNOWN	UNKNOWN	2 INCH

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

D. FLOW MEASUREMENTS - ENGINEERS REPORT

1.

Measurement

Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
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2. Measurements: ENGINEERS REPORT

PLAT B WELL Q = 100 GPM = 0.22 CFS

PLAT B WELL Q = 200 GPM = 0.45 CFS

TOTAL = 0.67 CFS

E. FLOW CALCULATIONS N/A

_____ Additional Computation Sheets Attached

Measured Method:

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

 $V = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$

I.R.

 $V = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 =$

D.R.

 $V = \text{Smaller of } V_{\text{I.R.}} \text{ and } V_{\text{D.R.}} =$

2. Volume Calculations for Other Uses:

VOL DOMESTIC = 50 X 1.2 AFA = 60.0 AFA

G. NARRATIVE/REMARKS/COMMENTS

System consists of two 5 hp wells (Plat B & Plat C Wells) connected to the distribution system to supply water to all 402 lots of Bear Lake West Subdivision (Plat B-224 lots & Plat C-178 lots). Each lot is stubbed in and all meters have been installed. Currently there are 118 residences hooked into the system. Under normal usage the pumps run about 3 hours per day.

Plat B well produces 100 gpm with a 275 psi pressure head. Plat C well produces 200 gpm with a 280 psi head. The system has a total of five reservoirs. Four reservoirs are located in plat B with one reservoir in plat C. Reservoirs in Plat B are located in the NENENE Sec 21 (Reservoir #1), the SENWNE Sec 21 (Reservoir #2), the SENENW Sec 21 (Reservoir #3), and the SWNENW Sec 21 (Reservoir #4). Plat C reservoir is located in the SESENNW of Sec 21. Plat B reservoirs are 35,000 gallons each and Plat C reservoir is 55,000 gallons for a total storage of 195,000 gallons (0.59 af)

Domestic includes irrigation with each lot being 1/4 acre. The maximum irrigation per lot would be 1/8 acre, but 1/16 acre irrigation would be the norm.

Have conditions of permit approval been met? ☒ Yes ☐ No**H. RECOMMENDATIONS****1. Recommended Amounts**

BENEFICIAL USE	PERIOD OF USE	DIVERSION RATE	ANNUAL VOLUME
DOMESTIC	01/01 to 12/31	0.330 CFS	
Totals:		0.330 CFS	60.00 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 KEITH C WILSON Date 08/19/2005Reviewer Mike Arave Date 10/18/07

16

15

Creek

Point of Diversion
Plat "B" Well

Place of Use

T
16
S

22

21

R43E

Point of Diversion
Plat "C" Well

11-7424

x 7055

6400

7000

6400

JE P.

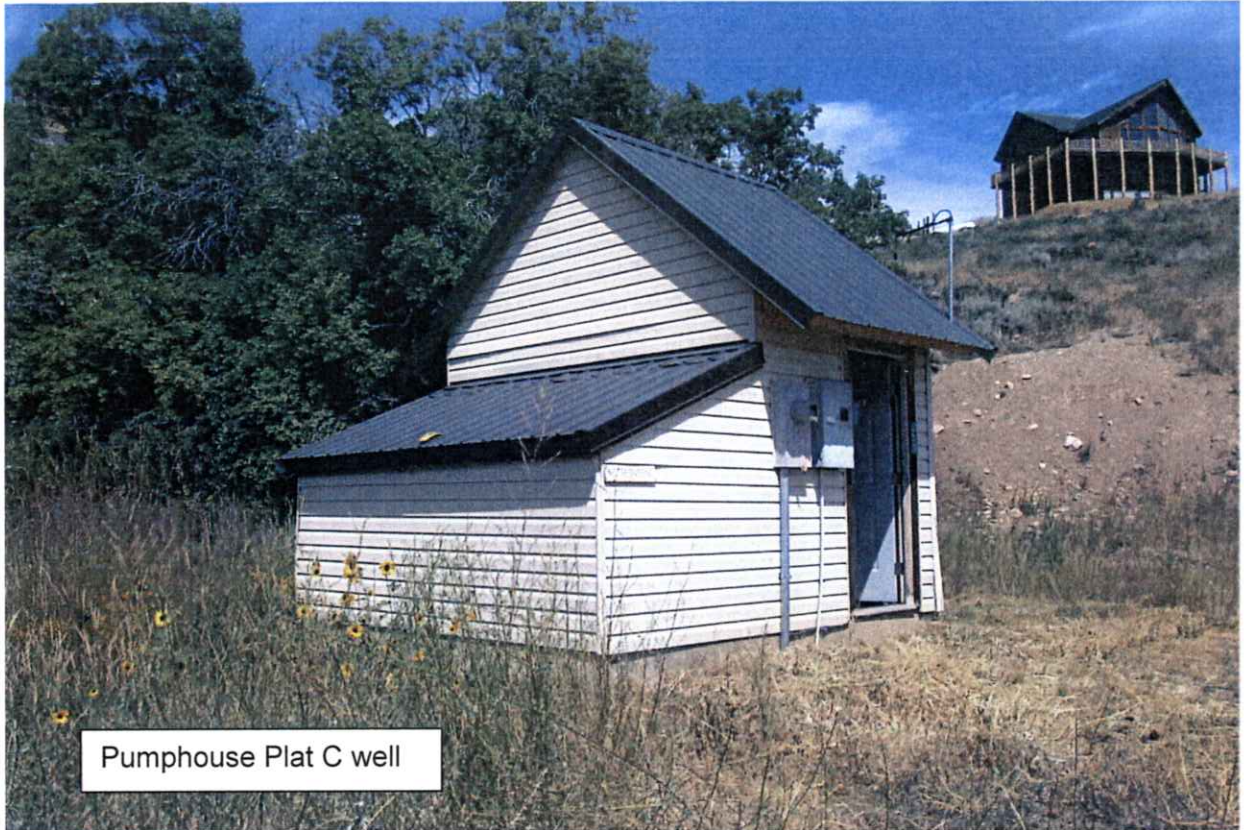
Canyon

Spring

x 6997

6380

6800



Pumphouse Plat C well



Plat C well

11- 7424



Plat B Well

11-7424