

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 35-13577

Exam Date: 09/19/2012

1. Current Owner: SNAKE RIVER VIEW ESTATES HOMEOWNERS ASSN
165 S 2170 E
ST GEORGE UT 84790
2. Accompanied by: John Lindsay
Phone No: (cell) 681-5381; (work) 785-7743
Address:
Relationship to Permit Holder: operator

3. SOURCE TRIBUTARY
GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 35-9085
2. Other water rights with the same point of diversion: 35-9085

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

GROUND WATER	SE1/4SE1/4	Sec. 22, Twp 02S, Rge 35E, B.M.
BINGHAM County		
GROUND WATER	L3 NW1/4SW1/4	Sec. 23, Twp 02S, Rge 35E, B.M.
BINGHAM County		

Method of Determination: Map/GPS

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	
02S	35E	22																X	
02S	35E	23						X	X	X	X	X	X	X					
									L2	L16	L3	L17							
									X	X	X	X							
									L10	L3	L3	L17							

Method of Determination: Aerial Photography

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 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>
A0018394 (North Well)		40			
D0011795 (South Well)		20			

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

D. FLOW MEASUREMENTS

1.

<u>Measurement Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
Flow Meter	FSC	Fuji	S10A1-00Y	A0L5537T		3/30/2012

2. Measurements:

E. FLOW CALCULATIONS

☒ Additional Computation Sheets Attached

Measured Method:

Measurements done on north well and south well.

Rate of diversion for north well = 571.6 gpm or 1.27 cfs.

Rate of diversion for the south well = 349.1 gpm or .78 cfs.

Total rate of diversion for north and south well = 920.7 gpm or 2.05 cfs.

Water right limits rate of diversion to 0.55 cfs.

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 =$$

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

In house use for 54 homes at 0.6 acre-feet per home = 32.4 acre-feet

Irrigation up to ½ acre per home for 54 homes at 0.6 acre-feet per home = 32.4 acre-feet

Total volume = 64.8 acre feet.

Water right 35-9085 and 35-13577 when combined are limited to 54 homes and 64.8 acre-feet.

Water rights 35-9085 and 35-1577 are used to provide water for the Snake River View Estates Subdivision. In 1999, Snake River View Estates LLC, filed application for permit 35-9085 for 54 homes which was eventually permitted. In 2006, Snake River Estates LLC filed another application (35-13577) for permit to provide additional water for the Snake River View Estates Subdivision. According to the application (35-13577), .55 cfs was proposed to be diverted to cover 32 homes within the Subdivision. In 2007, a water right license was issued for 35-9085 which authorized .32 cfs and 64.8 acre-feet for 54 homes. According to the beneficial use field report for water right 35-9085 Snake River View Estates LLC filed application for permit 35-13577 for additional cfs. Even though permit 35-13577 suggested that this water was used for 32 homes, the real intent of the permit was to provide additional water to 54 homes within the subdivision. Water right 35-13577 will be licensed for 54 homes. The domestic use under water right 35-9085 and 35-13577 is limited to 54 homes and 64.8 acre-feet.

Have conditions of permit approval been met? X Yes No

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	0.550 CFS	64.80 AF
	Totals:	0.550 CFS	64.80 AF

☒ X 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

Field Examiner's Name [Signature] Date 1-14-13
Reviewer _____ Date _____



- Point of Diversion
- Place of Use
- State Outline
- Townships
- PLS Sections
- Quarter Quarters



Prepared by Jordan, Blake

[illegible]

	4 'VELOCITY	'FLOW RAT	+'TOTALIZE	'RAS
	ft/s	gal/min	gal	
9/19/2012 8:21	3.778	348.938	12736.4	'00000000000000000000000000000000
9/19/2012 8:22	4.605	425.346	12804	'00000000000000000000000000000000
9/19/2012 8:22	4.901	452.671	12877.5	'00000000000000000000000000000000
9/19/2012 8:22	5.263	486.104	12955.4	'00000000000000000000000000000000
9/19/2012 8:22	5.257	485.513	13032.9	'00000000000000000000000000000000
9/19/2012 8:22	5.342	493.385	13114.5	'00000000000000000000000000000000
9/19/2012 8:22	5.474	505.591	13199.5	'00000000000000000000000000000000
9/19/2012 8:23	5.761	532.041	13285.9	'00000000000000000000000000000000
9/19/2012 8:23	5.711	527.477	13374.8	'00000000000000000000000000000000
9/19/2012 8:23	5.792	534.922	13465	'00000000000000000000000000000000
9/19/2012 8:23	5.924	547.146	13555.3	'00000000000000000000000000000000
9/19/2012 8:23	6.03	556.871	13647.7	'00000000000000000000000000000000
9/19/2012 8:23	6.189	571.553	13738	'00000000000000000000000000000000
9/19/2012 8:24	6.037	557.542	13833.5	'00000000000000000000000000000000
9/19/2012 8:24	6.034	557.249	13926.9	'00000000000000000000000000000000
9/19/2012 8:24	6.019	555.86	14020	'00000000000000000000000000000000
9/19/2012 8:24	6.081	561.589	14116.2	'00000000000000000000000000000000
9/19/2012 8:24	6.137	566.793	14210.4	'00000000000000000000000000000000
9/19/2012 8:24	6.097	563.093	14304.4	'00000000000000000000000000000000
9/19/2012 8:25	6.053	558.991	14394.2	'00000000000000000000000000000000
9/19/2012 8:25	6.097	563.141	14489.8	'00000000000000000000000000000000
9/19/2012 8:25	6.086	562.122	14583.5	'00000000000000000000000000000000
9/19/2012 8:25	6.136	566.728	14677.9	'00000000000000000000000000000000
9/19/2012 8:25	6.101	563.423	14773.7	'00000000000000000000000000000000
9/19/2012 8:25	6.033	557.187	14867	'00000000000000000000000000000000
9/19/2012 8:26	6.077	561.277	14959.6	'00000000000000000000000000000000
9/19/2012 8:26	6.078	561.344	15049.4	'00000000000000000000000000000000
9/19/2012 8:26	6.009	554.955	15142.2	'00000000000000000000000000000000
9/19/2012 8:26	6.028	556.716	15237	'00000000000000000000000000000000
9/19/2012 8:26	6.073	560.851	15330.5	'00000000000000000000000000000000

5 minute run on north well

	4 'VELOCITY	'FLOW RAT	'+TOTALIZE	'RAS
	ft/s	gal/min	gal	
9/19/2012 8:57	14.584	345.328	16781.4	'00000000000000000000000000000000
9/19/2012 8:57	14.56	344.762	16837.7	'00000000000000000000000000000000
9/19/2012 8:57	14.529	344.028	16895.5	'00000000000000000000000000000000
9/19/2012 8:57	14.39	340.734	16953.7	'00000000000000000000000000000000
9/19/2012 8:57	14.357	339.942	17009.2	'00000000000000000000000000000000
9/19/2012 8:58	14.524	343.896	17067.3	'00000000000000000000000000000000
9/19/2012 8:58	14.469	342.603	17125.6	'00000000000000000000000000000000
9/19/2012 8:58	14.517	343.741	17180.4	'00000000000000000000000000000000
9/19/2012 8:58	14.488	343.038	17238.8	'00000000000000000000000000000000
9/19/2012 8:58	14.547	344.446	17297.2	'00000000000000000000000000000000
9/19/2012 8:58	14.555	344.627	17352.3	'00000000000000000000000000000000
9/19/2012 8:59	14.587	345.399	17411	'00000000000000000000000000000000
9/19/2012 8:59	14.583	345.304	17469.7	'00000000000000000000000000000000
9/19/2012 8:59	14.612	345.98	17524.8	'00000000000000000000000000000000
9/19/2012 8:59	14.641	346.674	17583.7	'00000000000000000000000000000000
9/19/2012 8:59	14.673	347.42	17640.4	'00000000000000000000000000000000
9/19/2012 8:59	14.703	348.133	17698.4	'00000000000000000000000000000000
9/19/2012 9:00	14.713	348.369	17757.5	'00000000000000000000000000000000
9/19/2012 9:00	14.742	349.062	17814.4	'00000000000000000000000000000000
9/19/2012 9:00	14.72	348.547	17873.7	'00000000000000000000000000000000
9/19/2012 9:00	14.712	348.341	17933	'00000000000000000000000000000000
9/19/2012 9:00	14.692	347.889	17988.7	'00000000000000000000000000000000
9/19/2012 9:00	14.675	347.485	18047.9	'00000000000000000000000000000000
9/19/2012 9:01	14.685	347.715	18106.9	'00000000000000000000000000000000
9/19/2012 9:01	14.659	347.108	18162.5	'00000000000000000000000000000000
9/19/2012 9:01	14.606	345.842	18221.4	'00000000000000000000000000000000
9/19/2012 9:01	14.58	345.224	18280.2	'00000000000000000000000000000000
9/19/2012 9:01	14.565	344.88	18335.4	'00000000000000000000000000000000
9/19/2012 9:01	14.535	344.161	18394	'00000000000000000000000000000000
9/19/2012 9:02	14.464	342.476	18450	'00000000000000000000000000000000
9/19/2012 9:02	14.467	342.539	18507	'00000000000000000000000000000000
9/19/2012 9:02	14.451	342.162	18565.2	'00000000000000000000000000000000
9/19/2012 9:02	14.434	341.768	18621	'00000000000000000000000000000000
9/19/2012 9:02	14.439	341.891	18679.1	'00000000000000000000000000000000
9/19/2012 9:02	14.386	340.63	18737.1	'00000000000000000000000000000000
9/19/2012 9:03	14.403	341.044	18791.6	'00000000000000000000000000000000
9/19/2012 9:03	14.419	341.421	18849.7	'00000000000000000000000000000000
9/19/2012 9:03	14.407	341.139	18907.7	'00000000000000000000000000000000
9/19/2012 9:03	14.415	341.308	18962.3	'00000000000000000000000000000000
9/19/2012 9:03	14.417	341.363	19020.3	'00000000000000000000000000000000
9/19/2012 9:03	14.391	340.75	19078.2	'00000000000000000000000000000000

5 minute run - south well



Pump out of canal for irrigation



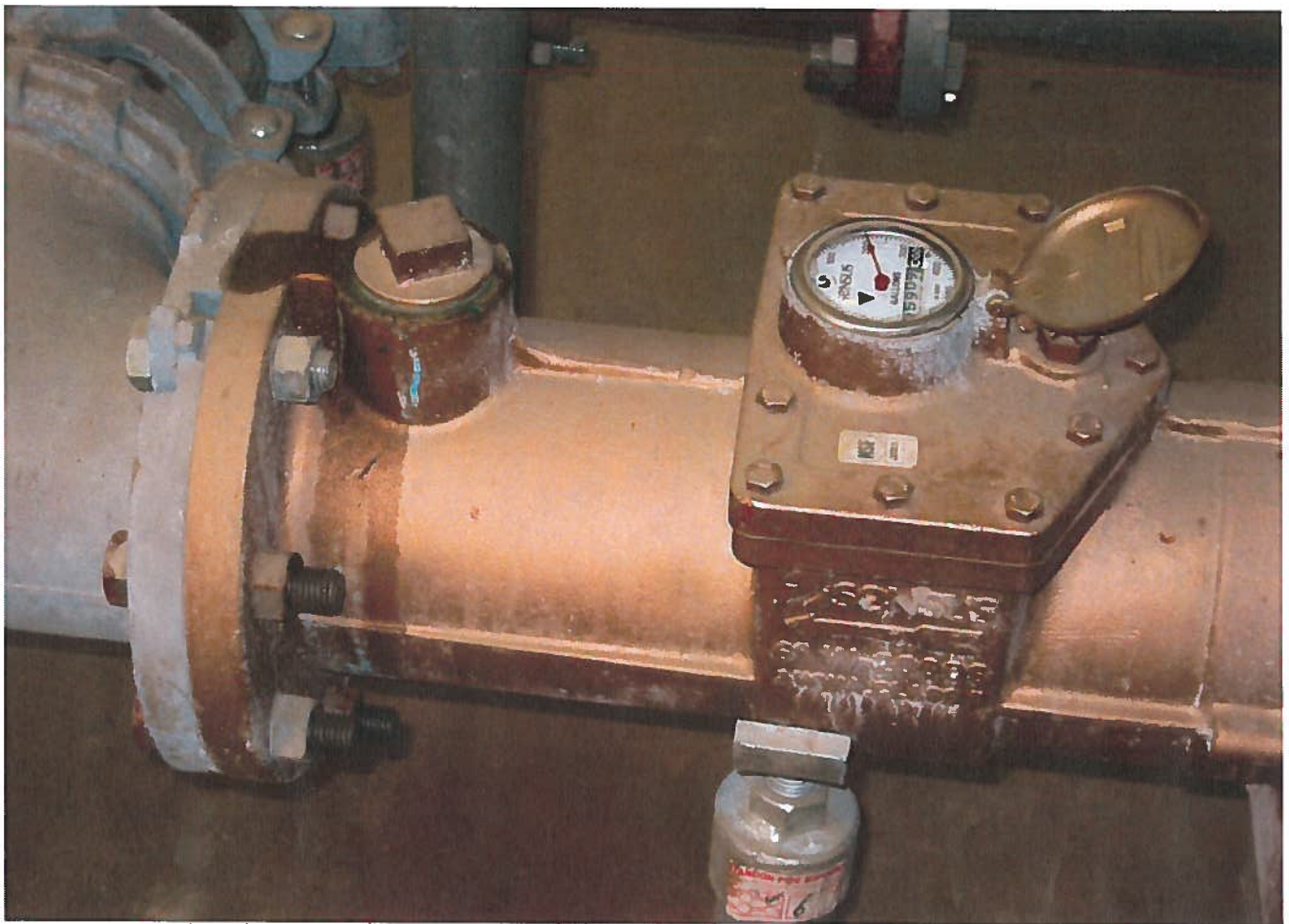
Home in subdivision



Homes in subdivision.



Canal Water Pump



Both wells have flowmeters



Inside north well house



North well



Inside south well house



Plumbing inside North wellhouse and
north wellhead.



Plumbing inside south wellhouse



South Well



North well is inside wellhouse



Typical Home in Subdivision



**BINGHAM
GROUNDWATER
DISTRICT**

wp
RECEIVED

AUG 10 2012

**DEPARTMENT OF
WATER RESOURCES**

P.O. BOX 1268
1725 Riverton Road
Blackfoot, Idaho 83221

Phone (208) 684-9634
Fax (208) 785-4299
binghamgroundwtr@cableone.net

August 8, 2012

Ms. Darla Brock
Idaho Department of Water Resources
P.O. Box 83720
Boise, ID 83720-0098

Dear Ms. Brock:

Earl Mecham, Snake River View Estates, has been a patron of Bingham Ground Water District since 2007 for mitigation purpose only. If more information is needed to provide proof of an accepted Mitigation plan, please contact me at (208) 684-9634.

Cordially,

Tina M Larsen
Administrative Specialist

TML

Cc: Earl Mecham