

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 21-13223

Exam Date: 10/15/2015

1. Current Owner:
ISLAND PARK WATER CO C/O DOROTHY MCCARTY PO BOX 2521 IDAHO FALLS ID 83401 (208) 521 2369
2. Accompanied by: Dorothy McCarty
Relationship to Permit Holder: Same
3. SOURCE: GROUND WATER
- TRIBUTARY:

B. OVERLAP REVIEW

1. Other water rights with the same place of use: None
2. Other water rights with the same point-of-diversion: None

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

GROUND WATER SW¼NE¼ Sec. 12, Twp 13N, Rge 42E, B.M. FREMONT County

Method of Determination: GPS and ArcMap

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	
13N	42E	12			X											X			

Method of Determination: Meeting with appropriator and ArcMap

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.

XX

Aerial Photo Attached (required for irrigation of 10+ acres).

X

Photo of Diversion and System Attached

4. Well Information

One 5 hp well, locally known as the Kickapoo well.

D. FLOW MEASUREMENTS

The well did not provide enough exposed pipe on which to place a flow meter, so a theoretical flow calculation is included on an attached spreadsheet.

As with five of the nine wells drilled for Island Park Water Company to serve the Shotgun Subdivisions, the well log for this well lists an erroneous legal description.

The well log used in the attached theoretical measurement was chosen because the well currently sits on land owned by Vacation Land. The well log lists the owner of this well as "Island Park Water Company, Vacationland Well #7."

A pump test was run on one well (Chickasaw) of the nine wells drilled by Island Park Water Company. It reported no drawdown after being pumped at 300 gpm for ½ hour. It is therefore assumed that there is no drawdown associated with the wells drilled for the Shotgun Subdivisions, therefore no drawdown correction was applied as part of the theoretical measurement.

E. FLOW

 X Additional Computation Sheets Attached

CALCULATIONS

According to theoretical calculations, the system can produce 0.27 cfs. However, the license will be limited to 0.09 cfs based on a proportional split of the diversion rate listed on original permit 21-7443:

$$0.40 \text{ cfs} / 100 \text{ hookups} * 22 \text{ hookups} = 0.09 \text{ cfs}$$

F. VOLUME CALCULATIONS

0.6 AFA in-home use/hookup

0.6 AFA domestic irrigation/hookup

$$0.6 \text{ AFA in-home use/hookup} + 0.6 \text{ AFA domestic irrigation/hookup} = 1.2 \text{ AFA/hookup} * 22 \text{ hookups} = 26.4 \text{ AFA}$$

G. NARRATIVE/REMARKS/COMMENTS

One well serving 22 hookups.

The determination of 22 total hookups on the system was made by examining the lots' property owners and, using aerial photography, determining the number of structures on the lots. If contiguous lots were owned by the same entity and contained only one structure the size of a home/cabin, the property owner was assumed to have only one hookup.

The Proof of Beneficial Use for this right was received on February 12, 1992, yet 2015 aerial photography was used in this analysis. Based on the dates that the wells were drilled, dates on subdivision plats, and aerial photography from the 1990s, the beneficial use was developed in its entirety during the development period. Therefore, using 2015 aerial photography because of its higher quality has effect on the issued license.

The original permit's 0.40 cfs is the Department's standard rate for domestic in-home use only for 100 homes. However, the homes were developed with the irrigation of lawn and trees. Nothing in the permit's conditions excluded the irrigation of ½ acre for domestic purposes.

Have conditions of permit approval been met? X 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	0.09 CFS	26.4 AF
	<u>Totals:</u>	0.090 CFS	26.40 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 ☐ None

Permit 21-7443 was amended prior to licensing. The amendment also applied to licenses 21-13222, 21-13223, 21-13224, and 21-13225, which were split from permit 21-7443 at licensing.

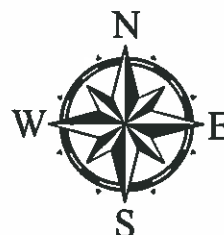
I. AUTHENTICATION

Field Examiner's Name Cooper Fritz Date 5/5/2017
 Reviewer James Cefalo Date 5/6/17

21-13223 POD and POU at Licensing



2015 Imagery



0 0.05 0.1 0.2 Miles

THEORETICAL HORSEPOWER EQUATION WORKSHEET (cjh 1/92)

Water Right No.: 21-13223

Examiner: Cooper

Date of Field Exam: 10/15/2015

Kickapoo

P/D No.:

PUMP HORSEPOWER 5

BOOSTER HORSEPOWER 0

PUMPING LEVEL 15

DISCHARGE PRESSURE 50

FRICTION 0

RATE OF FLOW (cfs) 0.24
(gpm) 105.9

The above calculates the formula =

$$Q = \frac{8.8 * (\text{Efficiency}) * \text{hp}}{\text{depth to water} + 2.31 * (\text{psi}) + \text{friction}}$$

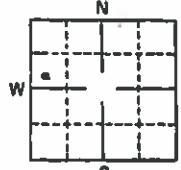
Assumptions: %70 efficiency.

Examiners Notes:

Lift was taken from well log. Hp was emailed. A standard psi for domestic use of 50 psi was used to estimate the pressure against the pump.

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORTState law requires that this report be filed with the Director, Department of Water Resources
within 30 days after the completion or abandonment of the well.USE TYPEWRITER OR
PENCIL POINT PEN

DEC 1 1983

1. WELL OWNER Name <u>Island Park Water Company</u> <u>Vacationland Well #7</u> Address _____ Owner's Permit No. _____		7. WATER LEVEL Department of Water Resources Eastern District Office Static water level <u>15</u> feet below land surface. Flowing? ☐ Yes ☒ No G.P.M. flow _____ Artesian closed-in pressure _____ p.s.i. Controlled by: ☐ Valve ☐ Cap ☐ Plug Temperature _____ °F. Quality <u>Good</u>																																																																																																																							
2. NATURE OF WORK ☒ New well ☐ Deepened ☐ Replacement ☐ Abandoned (describe method of abandoning) _____		8. WELL TEST DATA ☐ Pump ☐ Bailor ☐ Air ☐ Other _____ <table border="1"><thead><tr><th>Discharge G.P.M.</th><th>Pumping Level</th><th>Hours Pumped</th></tr></thead><tbody><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></tbody></table>		Discharge G.P.M.	Pumping Level	Hours Pumped																																																																																																																			
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3. PROPOSED USE ☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection ☐ Other _____ (specify type)		9. LITHOLOGIC LOG <u>79134</u> <table border="1"><thead><tr><th rowspan="2">Hole Diam.</th><th colspan="2">Depth</th><th rowspan="2">Material</th><th colspan="2">Water</th></tr><tr><th>From</th><th>To</th><th>Yes</th><th>No</th></tr></thead><tbody><tr><td>10</td><td>0</td><td>5</td><td>Soil</td><td> </td><td>x</td></tr><tr><td>10</td><td>5</td><td>10</td><td>Dry Clay</td><td> </td><td>x</td></tr><tr><td>10</td><td>10</td><td>15</td><td>Brown Broken Basalt</td><td> </td><td>x</td></tr><tr><td>10</td><td>15</td><td>30</td><td>Brown Firm Basalt</td><td> </td><td>x</td></tr><tr><td>10</td><td>30</td><td>40</td><td>Broken Basalt</td><td> </td><td>x</td></tr><tr><td>10</td><td>40</td><td>60</td><td>Firm Black Basalt</td><td> </td><td>x</td></tr><tr><td>10</td><td>60</td><td>63</td><td>Broken Basalt</td><td> </td><td>x</td></tr><tr><td>10</td><td>63</td><td>80</td><td>Firm Black Basalt</td><td> </td><td>x</td></tr><tr><td>10</td><td>80</td><td>85</td><td>Broken Brown Basalt</td><td> </td><td>x</td></tr><tr><td>10</td><td>85</td><td>95</td><td>Brown Clay</td><td> </td><td>x</td></tr><tr><td>10</td><td>95</td><td>97</td><td>Gummy Brown Clay</td><td> </td><td>x</td></tr><tr><td>10</td><td>97</td><td>115</td><td>Broken Soft Shale</td><td>x</td><td>x</td></tr><tr><td>10</td><td>115</td><td>130</td><td>Firm Brown Shale</td><td> </td><td>x</td></tr><tr><td>10</td><td>130</td><td>140</td><td>Soft Brown Shale</td><td>x</td><td> </td></tr><tr><td>10</td><td>140</td><td>150</td><td>Soft Broken Shale</td><td> </td><td>x</td></tr><tr><td>10</td><td>150</td><td>160</td><td>Firm Brown Shale</td><td>x</td><td> </td></tr><tr><td>10</td><td>160</td><td>165</td><td>Broken Shale</td><td>x</td><td> </td></tr><tr><td>10</td><td>165</td><td>167</td><td>Clay and Cinders</td><td>x</td><td> </td></tr></tbody></table>		Hole Diam.	Depth		Material	Water		From	To	Yes	No	10	0	5	Soil		x	10	5	10	Dry Clay		x	10	10	15	Brown Broken Basalt		x	10	15	30	Brown Firm Basalt		x	10	30	40	Broken Basalt		x	10	40	60	Firm Black Basalt		x	10	60	63	Broken Basalt		x	10	63	80	Firm Black Basalt		x	10	80	85	Broken Brown Basalt		x	10	85	95	Brown Clay		x	10	95	97	Gummy Brown Clay		x	10	97	115	Broken Soft Shale	x	x	10	115	130	Firm Brown Shale		x	10	130	140	Soft Brown Shale	x		10	140	150	Soft Broken Shale		x	10	150	160	Firm Brown Shale	x		10	160	165	Broken Shale	x		10	165	167	Clay and Cinders	x	
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4. METHOD DRILLED ☒ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary ☐ Cable ☐ Dug ☐ Other _____		10. Work started <u>8-1-78</u> finished <u>8-3-78</u>																																																																																																																							
5. WELL CONSTRUCTION Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____ Thickness <u>.250</u> inches Diameter <u>8</u> inches + <u>1</u> feet To <u>122</u> feet _____ inches _____ inches _____ feet _____ feet _____ inches _____ inches _____ feet _____ feet _____ inches _____ inches _____ feet _____ feet Was casing drive shoe used? ☐ Yes ☒ No Was a packer or seal used? ☐ Yes ☒ No Perforated? ☐ Yes ☒ No How perforated? ☐ Factory ☐ Knife ☐ Torch Size of perforation _____ inches by _____ inches Number _____ From _____ To _____ _____ perforations _____ feet _____ feet _____ perforations _____ feet _____ feet _____ perforations _____ feet _____ feet Well screen installed? ☐ Yes ☒ No Manufacturer's name _____ Type _____ Model No. _____ Diameter _____ Slot size _____ Set from _____ feet to _____ feet Diameter _____ Slot size _____ Set from _____ feet to _____ feet Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____ Placed from _____ feet to _____ feet Surface seal depth <u>30+</u> Material used in seal: ☐ Cement grout <u>Bentonite</u> ☒ Puddling clay ☐ Well cuttings Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☒ Overbore to seal depth Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent Weld _____ ☐ Cemented between strata Describe access port <u>WELL SEAL</u>		11. DRILLERS CERTIFICATION I/We certify that all minimum well construction standards were complied with at the time the rig was removed. Firm Name <u>Andrew Well Drilling</u> Firm No. <u>5</u> Contr. _____ Address <u>1268 East 17th Street</u> Date <u>11-15-78</u> <u>Idaho Falls, Idaho 83401</u> Signed by (Firm Official) <u>Asst. J. Andrew</u> and _____ (Operator) <u>Kevin Brown</u>																																																																																																																							
6. LOCATION OF WELL Sketch map location must agree with written location.  Subdivision Name _____ Lot No. _____ Block No. _____ County <u>Fremont</u> SW <u> </u> NW <u> </u> SE <u> </u> T. <u>13</u> N. R. <u>42</u> E.		USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT																																																																																																																							



Island Park Wells

Well No.	Well Name (Location)	Pump	Meter No.	GPS Lat	GPS Lon	Pipe Size	KWH
1	Remington	5hp	92157398	44:28.340 N	111:27.104 W	2" gal & 3" pvc	42218
2	Savage Rd.	3hp	39824466	44:28.289 N	111:27.191 W	1 1/4" & 2" gal	16724
3	Cherokee Rd	5 hp	96525436	44:27.859 N	111:27.317 W	1 1/4" & 2"	15724
4	Choctaw	5 hp	53244548	44:27.850 N	111:27.457 W	2", 3", & 1 1/4"	14754
5	Kickapoo	5 hp	94025128	44:28.082 N	111:26.797 W	1", 2", & 4"	18240
6	Stevens	1.5 hp	77957668	44:28.038 N	111:27.085 W	1 1/4"	36811 (35811)
7	Aspen Ridge Drive	5 hp	96698133	44:34.297 N	111:20.315 W	2"	01585
8	Lake View (valley View)	3 hp	91772649	44:37.419 N	111:19.527 W	2", 1 1/4"	
9	Trumpeter	3 hp	51614132	44:36.985 N	111:22.792 W	4" pue 2", 1 1/4" 1"	04547
10	Reese Drive Booster Station	1.5 hp	93392400			3", 1 1/4"	11016
11	Valley Drive (Valley View)	1.5 hp	87122932	44:37.661 N	111:19.768 W	3", 1"	04006
12	Goose Bay Drive East	5 hp	93503897	44:36.980 N	111:22.620 W	2", 1 1/4"	70123
13	Oak (Aspen Ridge)	5 hp	98078799	44:34.308 N	111:20.606 W	2", 1 1/4 "	37105
14	Chickasaw	5 hp	91769077	44:27.915 N	111:27.124 W	4", 2", & 1 1/4"	13735
15	Yale Creek Road	N/A	N/A	N/A	N/A	N/A	N/A

21-15222

OWNER	LEGAL1	ACRES	Hookup Number
BARTON MATTHEW BARTON JILL	SHOTGUN VILLAGE EST #6 LOT 13 BLK 50 SEC 12 TWP 13 RGE 42	1.10000000	1
BARTON MATTHEW D BARTON JILL R	SHOTGUN VILLAGE EST #6 LOT 12 BLK 50 SEC 12 TWP 13 RGE 42	0.50000000	
BARTU TERRY & TRACIE TRUST	SHOTGUN VILLAGE ESTATES #6 LOT 12 BLK 51 SEC 12 TWP 13 RGE 42	0.30000000	2
BARTU TERRY & TRACIE TRUST	SHOTGUN VILLAGE EST #6 LOT 11 BLK 51 SEC 12 TWP 13 RGE 42	0.40000000	
BAXTER DEAN V ET UX	SHOTGUN VILLAGE ESTATES #6 LOT 4 BLK 50 SEC 12 TWP 13 RGE 42	0.40000000	3
BENTON DAVID & MARVEL TRUST	SHOTGUN VILLAGE EST #6 LOT 10 BLK 51 SEC 12 TWP 13 RGE 42	0.30000000	4
CAMPBELL DERLIN L CAMPBELL DEON L	SHOTGUN VILLAGE EST #6 LOT 14 BLK 50 SEC 12 TWP 13 RGE 42	1.20000000	5
DWH INVESTMENTS LLP	SHOTGUN VILLAGE EST #6 LOT 6 BLK 51 SEC 12 TWP 13 RGE 42 (O2 2008)	0.60000000	6
FOWLER JOAN P	SHOTGUN VILLAGE EST #6 LOT 7 BLK 50 SEC 12 TWP 13 RGE 42	0.40000000	7
FOWLER MICHAEL FOWLER BARBARA	SHOTGUN VILLAGE ESTATES DIV #6 LOT 5 BLK 50 SEC 12 TWP 13 RGE 42 MH	0.40000000	8
FREEMAN ELLEN	SHOTGUN VILLAGE EST #6 LOT 3 BLK 50 SEC 12 TWP 13 RGE 42 MH	0.40000000	9
FREEMAN NOLAN B FREEMAN PATRICIA A	SHOTGUN VILLAGE ESTATES DIV #5 LOT 9 BLK 50 SEC 12 TWP 13 RGE 42 MH	0.50000000	10
FREEMAN NOLAN B FREEMAN PATRICIA A	SHOTGUN VILLAGE EST #6 LOT 10 BLK 50 SEC 12 TWP 13 RGE 42	0.30000000	
HAMES GEORGE J HAMES JANIS B	SHOTGUN VILLAGE EST #6 LOT 1A BLK 50 SEC 12 TWP 13 RGE 42	0.30000000	11
HAMES GEORGE T & JANIS B TRUST	SHOTGUN VILLAGE ESTATES DIV #6 LOT 2 BLK 50 SEC 12 TWP 13 RGE 42 MH	0.40000000	
HENSLEY TRUST	SHOTGUN VILLAGE EST #6 LOT 1 BLK 50 SEC 12 TWP 13 RGE 42	0.20000000	12
HILL S BRENT HILL BERDENE	SHOTGUN VILLAGE EST #6 LOT 8 BLK 50 SEC 12 TWP 13 RGE 42	0.40000000	13
LA PLANT RODNEY J LA PLANT CONNIE J	SHOTGUN VILLAGE EST #6 LOT 2 BLK 51 SEC 12 TWP 13 RGE 42	0.30000000	14
MADSEN RANDY MADSEN KRISTY	SHOTGUN VILLAGE EST #6 LOT 9 BLK 51 SEC 12 TWP 13 RGE 42	0.60000000	15
MAKI CHILDREN TRUST	SHOTGUN VILLAGE EST #6 LOT 4 BLK 51 SEC 12 TWP 13 RGE 42	0.40000000	16
MAKI ROBERT A TRUST	SHOTGUN VILLAGE EST #6 LOT 3 BLK 51 SEC 12 TWP 13 RGE 42	0.40000000	17
MAKI ROBERT A TRUST	SHOTGUN VILLAGE EST #6 LOT 5 BLK 51 SEC 12 TWP 13 RGE 42	0.30000000	
MEDELLIN ERNEST S MEDELLIN BONNIE J	SHOTGUN VILLAGE EST #6 LOT 6 BLK 50 SEC 12 TWP 13 RGE 42	0.40000000	18
PETERSON K DEAN PETERSON SHIRLENE	SHOTGUN VILLAGE EST #6 LOT 1 BLK 51 SEC 12 TWP 13 RGE 42	0.30000000	19
RSSS LLC	SHOTGUN VILLAGE EST #6 LOT 7 BLK 51 SEC 12 TWP 13 RGE 42	0.50000000	20
WACKER THOMAS O WACKER PAMELA J	SHOTGUN VILLAGE EST #6 LOT 11 BLK 50 SEC 12 TWP 13 RGE 42	0.30000000	21
WACKER THOMAS O WACKER PAMELA J	SHOTGUN VILLAGE EST #6 LOT 15 BLK 50 SEC 12 TWP 13 RGE 42	1.40000000	
WALKUP T MARK WALKUP ECE Z	SHOTGUN VILLAGE EST #6 LOT 8 BLK 51 SEC 12 TWP 13 RGE 42	0.50000000	22



FREMONT COUNTY, IDAHO

SECTION 12, T. 13 N., R. 42 E. BM

BENTON ENGINEERING-CONSULTING ENGINEERS
IDAHO FALLS, IDAHO

1. David E. Benton, a registered Professional Engineer of Kentucky, hereby certifies that all the requirements of the current laws governing the tracing of land shown on this map, and identified as such below and have substantially complied with the laws of Kentucky, lots and streets to be shown as Shaprun Village Estates, Division No. 1, in Boone County, Kentucky, and that the tracing of this plat bearing my signature is an exact copy of the original map.

David E. Benton
David E. Benton PE
100th Certificate No 122

[illegible]

Be I know that we the undersigned do hereby certify that we are the legal owners of the above described lots and have caused the same to be subdivided into blocks, lots and streets to be known as Fremont Village, Estate, Division No. 6, City of Los Angeles, and the said subdivision is shown on a map of the same filed for public use in the public land records of the County of Los Angeles, California, and the same is hereby acknowledged.

A Witness whereof we, the said Sec. Gen. do hereby certify the
signatures this 22nd day of July 1928

John Street
NEWARK
Veronal Lead Inc
of Lead Corporation
7 Glen Hudson
East Rutherford N.J.
Alvina Rinaldi
Elizabethtown

[illegible]

State of Idaho, County of Fremont, I hereby certify that this
plot was filed 1-2-1914 of 2-15-14 in Book 1 of Plots of
page 12 of the request of July 9, 1914 re
and I further certify that the tracing of this plot bearing my
signature is an exact copy of the original map.

Ashtabula Calouge
County Recorder Ind. #

I certify that I have had this plot examined and find
it is correct and acceptable.
Date 11-4-76 _____
County and/or City Engineer

presented to the Planning & Zoning Commission this 17th day of July, AD 1976, at which time this Subdivision was approved and accepted.

Attested _____ *Jayce B. Wilson*
CLERK

Presented to the present day of Aug, A.D. 1925, at which time this Subdivision was approved and accepted.

Attested Sharon L. Lange Don C. Howell
Chairman