

11/2016

IN-OFFICE BENEFICIAL USE FIELD REPORT

Permit No: 65-12974A

Examiner: Phill Hummer

Date: 11/22/2017

In-office qualification (IDAPA 035.01.r):

- ☒ Irrigation $\leq$ 5 acres
☐ Stockwater storage $\leq$ 14.6 af
☒ Total diversion rate $\leq$ 0.24 cfs and not irrigation or storage

Current Owner Name: Richard and Suzanne Andrews Address: HC 76 Box 4043
Garden Valley ID 83622

Beneficial Use Fee Paid: \$100.00 Receipt: C033902

Source: Groundwater

Source change? ☒ N ☐ Y Change clarifies originally intended source.
If not – void permit.

Point of Diversion			NE				NW				SW				SE			
Twp	Rge	Sec	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE
10N	04E	33										X						

Method of Determination: Field examination, exam notes, exam photos.

POD change? ☐ N ☐ Y

Place of Use			NE				NW				SW				SE				Totals
Twp	Rge	Sec	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
10N	04E	33										D							
												H							

Method of Determination: Field examination notes.

POU change? ☒ N ☐ Y

Purpose of Use: Domestic and Heating

Purpose change? ☒ N ☐ Y

Method of Determination:

Standard Season of Use: 01/01 – 12/31

Update required on license? ☒ N ☐ Y**Overlap Review**POD overlap? ☐ N ☒ Y WR's: 65-12974BAnalysis Attached ☒

Comments: Notes from the field examination indicate the homes on lot 2 and 3 of the Livingston Estates Subdivision are connected to the same well.

POU overlap? ☐ N ☒ Y WR's: 65-12776, 65-13526, and 65-3238

Comments: It is safe to assume the lots within the Livingston Estates Subdivision are not served by these Castle Mountain Creek Owners Association water rights.

Diversion Rate Permitted Rate: 0.03/0.03/0.03 cfs

BU Standard Limit: 0.03/NA/0.02 cfs

I/H/D

BU Fee Limit: 1.00 total cfs

Theoretical: NA/0.02/0.02 cfs Total System: 0.06 cfs

Recommended Total Div Rate: None/0.02/0.02 cfs 0.02 total cfs

IN-OFFICE BENEFICIAL USE FIELD REPORT

Annual Volume

For Irrigation: Not recommended cfs x 1.9835 x days = af
 acres x af/ac (FHR) = af
 Smaller of two volumes = af

For other uses:

Heating: $V_{div} = Q \cdot d \cdot (H/24) \cdot 1.9835 = 0.02 \cdot 180 \cdot (12/24) \cdot 1.9835 = 3.5703 = 3.6 \text{ afa}$

Domestic: Application Processing Memorandum No. 22 describes the standard amounts for domestic uses. For 1 home internal use only (no irrigation) 0.6 afa should be used.

Recommended Amounts

Beneficial Use	Season of Use	Diversion Rate (cfs)	Annual Volume (af)
Heating	01/01 - 12/31	0.02	3.6
Domestic	01/01/ - 12/31	0.02	0.6
Totals		0.02 cfs	4.2 af

Amendments Required

☐ Change P.D. ☐ Add P.D. ☒ None
☐ Change P.U. ☐ Add P.U. ☐ Other:

Conditions: A drilling prospectus is not on file but a new well was not constructed during the development of this permit, the home was connected to an existing well drilled before the original application was submitted.

Condition Changes: Update 09C to R07. Remove 046, 016, 026, 057 and text condition. Add WB5 and X10

Have conditions of permit been met? ☒ Y ☐ N

Narrative: An on-site examination was performed by Maria Minicuccione 06/09/1998, any remarks regarding a field examination, examination notes, or examination report are in reference to the examination conducted at that time and those documents generated as a result of that examination. The home was under construction at the time of the field examination but the well had been drilled and the pump/motor was installed along with the piping necessary to deliver water to the home. Since the majority of the system was in place at the time of the examination and the use of water for heating and domestic purposes under this permit have likely been occurring for nearly 20 years an extension of the "stub-in" policy for subdivisions can be used to validate the beneficial use. However, the rate for both heating and domestic should be reduced. There is no evidence in the report or notes that suggests a pool, spa, greenhouse or any other building was constructed as described in the design plans submitted with the application. I used the Heating/Cooling spreadsheet and the design plans submitted with the application to calculate a theoretical rate for heating. The spreadsheet estimates 0.02 cfs should be an adequate rate to provide enough heat for the home.

A beneficial use from a Low Temperature Geothermal source cannot be made until it is first used for heating purposes. For this reason the rate for domestic purposes should be reduced to 0.02 cfs. This is also the standard rate applicable for internal domestic use. There was nothing in the field examination report or the notes that indicates water was ever used for irrigation purposes nor is there any evidence that shows sprinklers or other irrigation systems were in place at the time of the exam. Irrigation use should not be licensed.

11/2016

IN-OFFICE BENEFICIAL USE FIELD REPORT

Workflow

Exam Date Entered ☒
POU/POD shapes ☒
Combined Rights Entry ☐ NA
Wild & Scenic Entry ☐ NA
Draft License and Map ☒
FE Database (N: drive) ☐

Supporting Documents

Aerial Photograph ☐ Well Log ☒
POU/POD Map ☒ Diagrams ☒
LandSat ☐ Theoretical ☒
Photographs ☒ Other: ☐
Site Visit Date: 06/09/1998

Authentication

Field Examiner's Name: PH Date: 2/7/18

Reviewer: Angela H. Quinn Date: 2/7/18

IDAHO DEPARTMENT OF WATER RESOURCES

WELL INSPECTION FORM

1. DRILLING PERMIT NO: _____ OTHER APPLICABLE NO: 65-12974A

2. OWNER: Richard/Suzanne Andrews Phone: _____
Address: _____

3. WELL LOCATION: Twp 10N, Rge. 4E, Sec. 33, NW 1/4 SW 1/4
County Boise (Provide sketch map and photo on reverse.)

4. DRILLER: _____ Lic. No. _____
When Drilled? _____

5. WELL CONSTRUCTION:

Casing Diameter _____ inches Water tight cap? ☐ Yes ☐ No Access Port: ☐ Yes ☐ No

Casing $\geq$ 12 inches above ground? ☐ Yes ☐ No - Describe _____

Depth of Casing _____ ft. Method Drilled _____

Condition of Well Casing: ☐ Good ☐ Fair ☐ Poor Describe _____

Control Valve? ☐ Yes ☐ No Pressure Gauge: ☐ Yes ☐ No

Condition of Piping and Valving _____

Auger to a depth of _____ ft. Evidence of Annular Seal ☐ Yes ☐ No

Are there obvious construction problems that may be a source for contamination or waste of water?
☐ Yes ☐ No (Describe in Remarks and Attach Photo - On Reverse)

6. HYDROLOGIC INFORMATION:

Depth to Static Water _____ ft. Water Temperature _____ °F

Flowing Artesian ☐ Yes ☐ No Pressure: _____ (psi)

Water Sample Taken? ☐ Yes ☐ No If yes, describe purpose _____

Water Quality Measurements/Observations (Describe) _____

7. WELL USE:

☐ Domestic	☐ Irrigation	☐ Stock
☐ Test	☐ Municipal	☐ Industrial
☐ Abandoned	☐ Waste Disposal/Injection	☐ Not Used
☐ Other: _____		

Nancy + Ed Herring

6/9/1998

Their property is covered
by 65-07770F? YES

Heating + domestic

Herrings live in Livingston's
original house

Property goes to creek
Well + 2 homes on
other side of
creek.

1 well in common area serves two homes

↓
Lots 2+3 in Livingston Estate
Well is located on Lot A

2nd well on lot
x street from
Herring - no
development
(house or
foundation
or garage)

Now 7 ANTLER PT

Well 6" casing

Jacuzzi pump

Installed Sept 18, 1995

Model No. 2823018110

2HP

Motor: 1 1/4 standstill down well

2' above ground

GPS SITE ID A0001462

Valley Pump

Emmett

765-2972

Dennis White

No pools or spas @ either home (Andrews or Bebert)

Well #2 GPS SITE # A0001461

6" casing

No development

No foundation or electricity seen.

Septic is in.

65-129 74A

From: DWR06::"kneely@idwr.state.id.us" "Ken Neely" 11-JUN-1998 11:44:17.48
To: mminicuc@idwr.state.id.us ('Maria')
CC:
Subj: Castle Mt. Creek wells.

Maria,

It looks to me that well 1461 is in the NE 1/4 of the SE 1/4 of Section 32.=

=

Well 1462 is in the NW 1/4 of the SW 1/4 of section 33.

Ken

RESIDENTIAL SPACE HEATING/COOLING REQUIREMENTS FOR COLD OR GEOTHERMAL SOURCES

Worksheet created by Cindy Hodges, 11/93.

Data entered by: Phill Hummer
Exam Date: 11/14/17
File No: 65-12974A
Computations for: Heating of 1 home

REQUIRED DATA:

Area of livable floor space, ft2 (A)
2 story? (N=1, Y=2)
House efficiency factor (e) *
Inside design temperature (Ti)
Average outside temperature (To) **
Source temperature, degrees F (S)
Heating/cooling days per season (D)
Hours/day system operates (H)

4660 4000 sq ft home plus 660 sqft garage
2
0.67
70
23.2 See attached climate data
179
180 October - March
12

CALCULATED DATA:

DESIGN HEAT LOAD (BTU/hr required)
Formula: $E = [e \times (Ti - To)] A$
Applies factor of 0.8 for two-story dwelling

E = 116,895 BTU/hour

TEMPERATURE DROP ACROSS SYSTEM
Formula: $T_s = 0.3 \times [S - Ti]$

$T_s =$ 32.7 degrees F

FLOW RATE REQUIRED (at given source temperature)
Formula: $Q = E / (500 \times T_s) \times 448.8$

Q = 0.02 cfs

DIVERTED VOLUME OVER SEASON
Formula: $V_{div} = Q \times D \times H / 24 \times 1.9835$

$V_{div} =$ 2.8 AFA

AVERAGE TEMPERATURE CALCULATION:

4 DEG MIN + 80 DEG HIGH / 2 =
42 DEG AVERAGE YEAR ROUND TEMP.

* e values are as follows:

- 0.28 Best energy efficiency - extra insulation, caulked and weatherstripped, with storm windows and doors
- 0.44 Better energy efficiency - standard insulation, caulked and weatherstripped, with storm windows and/or doors
- 0.67 Average residence - standard insulation, no weatherproofing but with storm windows or double panes
- 1.11 Poor energy efficiency - minimal insulation, no weatherproofing or storm windows (older homes, shops or greenhouses)

** Suggested average outside temperatures:

WINTER

4 deg F Boise
6 deg F Grand View
-8 deg F Cascade

SUMMER

80 deg F Boise
90 deg F Grand View
70 deg F Cascade

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Climate Garden Valley - Idaho

°C | °F

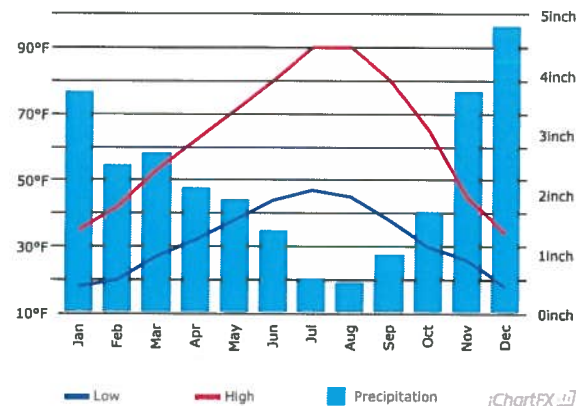
	Jan	Feb	Mar	Apr	May	Jun
Average high in °F:	35	42	53	62	71	80
Average low in °F:	18	20	27	32	38	44
Av. precipitation in inch:	3.7	2.48	2.68	2.09	1.89	1.38
Days with precipitation:	-	-	-	-	-	-
Hours of sunshine:	-	-	-	-	-	-
Average snowfall in inch:	21	9	3	0	0	0

	Jul	Aug	Sep	Oct	Nov	Dec
Average high in °F:	90	90	80	65	45	34
Average low in °F:	47	45	38	30	26	18
Av. precipitation in inch:	0.59	0.51	0.98	1.69	3.7	4.8
Days with precipitation:	-	-	-	-	-	-
Hours of sunshine:	-	-	-	-	-	-
Average snowfall in inch:	0	0	0	0	7	22

Garden Valley weather averages

Annual high temperature:	62.3°F
Annual low temperature:	31.9°F
Average temperature:	47.1°F
Average annual precipitation - rainfall:	26.49 inch
Days per year with precipitation - rainfall:	-
Annual hours of sunshine:	-
Av. annual snowfall:	62 inch

Garden Valley Climate Graph - Idaho Climate Chart



Climate data for garden valley, Longitude: -115.969, Latitude: 44.1011
 Average weather Garden Valley, ID - 83622 - 1981-2010 normals

Jan: January, Feb: February, Mar: March, Apr: April, May: May, Jun: June, Jul: July, Aug: August, Sep: September, Oct: October, Nov: November, Dec: December

[Climograph of Garden Valley on your website](#)

Assuming heating takes place Oct - March (6 months)

avg low temp = 23.2°F

heating days (6 * 30) = 180 days

THEORETICAL HORSEPOWER EQUATION WORKSHEET (cjh 1/92)

Water Right No.: 65-12974A
 Examiner: Phill Hummer
 Date of Exam: 11/14/2017

	OPTION 1	OPTION 2	OPTION 3
P/D No.:			
PUMP HORSEPOWER	2	2	2
BOOSTER HORSEPOWER	0	0	0
PUMPING LEVEL	100	100	100
DISCHARGE PRESSURE	30	40	50
FRICION	0	0	0
RATE OF FLOW (cfs)	0.07	0.06	0.06
(gpm)	32.7	28.7	25.7
			29.0
			AVG

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:

Notes written by an examiner from a field visit on 06/09/1998 say a 2 hp pump was installed on 09/18/1995. The pumping level was determined by assuming the pump is set 10 ft below the static water level. The well log shows the static water level is 90 ft. I used a range of discharge pressures based on standard pressures of similar pumps at that pumping level.

TRS	Process	Basin Sequence	Owner	Source	POD	POU	Use	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	Total Acres
10N04E33	Water Permit	65-12974A	ANDREWS, RICHARD; ANDREWS, SUZANNE;	GROUND WATER	POD												X							
10N04E33	Water Permit	65-12974B	GEBERT, JAMES; LIVINGSTON, EARL D;	GROUND WATER	POD												X							
10N04E33	Water Permit	65-12974C	GOFFIN, MARTIN; GOFFIN, SUE; LIVINGSTON, EARL D;	GROUND WATER	POD												X							
10N04E33	Water Right	65-12287	FREEMAN, DONNA S; FREEMAN, LLOYD J;	GROUND WATER	POD												X							
10N04E33	Water Right	65-12289	ARMSTRONG, BETTY B; ARMSTRONG, DICK W	WARM SPRINGS	POD												X							
10N04E33	Water Right	65-12290	WILDER, ANNA LOU; WILDER, JOHN J	WARM SPRINGS	POD												X							
10N04E33	Water Right	65-12292	GRENDA, DENNIS A; GRENDA, SHERI L; MC	WARM SPRINGS	POD												X							
10N04E33	Water Right	65-12301	GUERNSEY, DORIS L; GUERNSEY, ROGER L	WASTE WATER	POD																			
10N04E33	Water Right	65-12302	EARL, FRANK M; HAMPTON, DEBBY;	SPRINGS	POD												X							
10N04E33	Water Right	65-12719	BUNN, D ANN; BUNN, GARY L; PARTRIDGE,	SPRINGS	POD																			
10N04E33	Water Right	65-12985	TERRACE LAKES RECREATIONAL RANCH	GROUND WATER	POD																			
10N04E33	Water Right	65-13050	ANDERSON, JAMIE A; JARVIS, LON; JARVIS,	SPRINGS	POD																			
10N04E33	Water Right	65-13411	SPOFFORD, CONNIE L; SPOFFORD, ROBIN S	GROUND WATER	POD													X						
10N04E33	Water Right	65-13457	TERRACE LAKES RECREATIONAL RANCH	GROUND WATER	POD																			
10N04E33	Water Right	65-13562	JANSEN, JOHN A; JANSEN, NICOLA M; STOUT, BILL;	SPRING	POD																			
10N04E33	Water Right	65-13737	JANSEN, JOHN A; JANSEN, NICOLA M; STOUT,	SPRING	POD																			
10N04E33	Water Right	65-18076	SCHREINER, BARBARA L; SCHREINER, LOUIS I	GROUND WATER	POD																			
10N04E33	Water Right	65-22440	MILLER, BARBARA A; MILLER, CLEO R; SCHULZ,	WARM SPRINGS	POD																			
10N04E33	Water Right	65-22441	ERO RESOURCES CORP; GRAY, CHAD T; JARVIS,	WARM SPRINGS	POD																			
10N04E33	Water Right	65-22687	KNIGGE, RICHARD; KNIGGE, VICKI	WARM SPRINGS CREEK	POD																			
10N04E33	Water Right	65-22793	BEEMAN & ASSOC PC; CASTLE MOUNTAIN CREEK	SPRINGS	POD																			
10N04E33	Water Right	65-22794	CASTLE MOUNTAIN CREEK OWNERS ASSN INC;	SPRINGS	POD																			
10N04E33	Water Right	65-23085	TERRACE LAKES WATER CO; X ROADS	GROUND WATER	POD																			
10N04E33	Water Right	65-23495	GRAY, CHAD T; JARVIS, LON; SCHULZ, DIANA G;	GROUND WATER	POD																			
10N04E33	Water Right	65-23496	SCHULZ, DIANA G; SCHULZ, USTO E; WEBB, MAC	GROUND WATER	POD																			
10N04E33	Water Right	65-23497	ANDERSON, JAMIE A; SCHULZ, DIANA G; SCHULZ,	GROUND WATER	POD																			
10N04E33	Water Right	65-23504	JARVIS, LON; JARVIS, RENEE; WEBB, MAC	SPRINGS	POD																			

same well?
1.79

Pit lot

Diff source

Spring

Spring

Spring

Spring

Pit lot

Pit lot

Pit lot

Spring

TRS	Process	Basin Sequence	Owner	Source	POD	POU	Use	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENN	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	Total Acres
10N04E33	Water Right	65-3233	TERRACE LAKES RECREATIONAL RANCH INC	WARM SPRINGS CREEK	POD																X			
10N04E33	Water Right	65-3238	BEEHMAN & ASSOC PC; CASTLE MOUNTAIN CREEK	UNNAMED STREAM	POD		P:ff source										X							
10N04E33	Water Right	65-3239	TERRACE LAKES RECREATIONAL RANCH INC	WARM SPRINGS CREEK	POD																X			
10N04E33	Water Right	65-4002X	WARD, EARLE L; WARD, JAN; WARD, LEIGH; WARM	SPRINGS	POD		spring										X							
10N04E33	Water Right	65-7118	TERRACE LAKES RECREATIONAL RANCH INC	SPRING	POD												X							
10N04E33	Water Right	65-7562	MILLER, BARBARA A; MILLER, CLEO R; SCHULZ,	WARM SPRINGS CREEK	POD		P:ff source										X							
10N04E33	Water Right	65-7592	CZECH, ALICE; CZECH, MICHAEL; WITHROW,	WARM SPRINGS CREEK	POD		P:ff source										X							
10N04E33	Water Right	65-7595	BLAKE, DOROTHY; BLAKE, JAMES J	GROUND WATER	POD		P:ff lot										X							
10N04E33	Water Right	65-7770B	CZECH, ALICE; CZECH, MICHAEL; ERO RESOURCES	GROUND WATER	POD											X								
10N04E33	Water Right	65-7770F	HERRING, EDWARD; HERRING, NANCY,	GROUND WATER	POD		P:ff lot										X							
10N04E33	Water Right	65-7770G	MILLER, BARBARA A; MILLER, CLEO R; SCHULZ,	GROUND WATER	POD												X							
10N04E33	Water Right	65-7770H	BURGER JR, HARRY S; PETERSON, JACK E;	GROUND WATER	POD												X							

TMS	Process	Basin Sequence	Owner	Source	POD POU	Use	NENE	NWNE	SWNE	SENE	MENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	Total Acres
10N04E33	Water Right	65-12289	ARMSTRONG, BETTY B; ARMSTRONG, DICK W	WARM SPRINGS	POU	DOMESTIC														X			
10N04E33	Water Right	65-12292	GRENDA, DENNIS A; GRENDA, SHERIL; MC	WARM SPRINGS	POU	DOMESTIC														X			
10N04E33	Water Right	65-12776	CASTLE MOUNTAIN CREEK OWNERS ASSN INC	GROUND WATER	POU	DOMESTIC						X	X	X	X	X	X	X					
10N04E33	Water Right	65-12985	TERRACE LAKES RECREATIONAL RANCH	GROUND WATER	POU	DOMESTIC																	
10N04E33	Water Right	65-13050	ANDERSON, JAMIE A; JARVIS, LON; JARVIS,	SPRINGS	POU	DOMESTIC			X	X												X	
10N04E33	Water Right	65-13457	TERRACE LAKES RECREATIONAL RANCH	GROUND WATER	POU	DOMESTIC			X	X	X												
10N04E33	Water Right	65-13526	CASTLE MOUNTAIN CREEK OWNERS ASSN INC	WARM SPRINGS CREEK	POU	DOMESTIC						X	X	X	X	X	X	X					
10N04E33	Water Right	65-13562	JANSEN, JOHN A; JANSEN, NICOLA M; STOUT, BILL;	SPRING	POU	DOMESTIC																	
10N04E33	Water Right	65-13737	JANSEN, JOHN A; JANSEN, NICOLA M; STOUT,	SPRING	POU	DOMESTIC																	
10N04E33	Water Right	65-22440	MILLER, BARBARA A; MILLER, CLEO R; SCHULZ,	WARM SPRINGS	POU	DOMESTIC										X							
10N04E33	Water Right	65-22441	ERO RESOURCES CORP; GRAY, CHAD T; JARVIS,	WARM SPRINGS	POU	DOMESTIC										X							
10N04E33	Water Right	65-23085	TERRACE LAKES WATER CO; X ROADS	GROUND WATER	POU	DOMESTIC			X	X	X					X	X	X	X				
10N04E33	Water Right	65-23495	GRAY, CHAD T; JARVIS, LON; SCHULZ, DIANA G;	GROUND WATER	POU	DOMESTIC										X							
10N04E33	Water Right	65-23496	SCHULZ, DIANA G; SCHULZ, USTO E; WEBB, MAC	GROUND WATER	POU	DOMESTIC										X							
10N04E33	Water Right	65-23497	ANDERSON, JAMIE A; SCHULZ, DIANA G; SCHULZ,	GROUND WATER	POU	DOMESTIC										X							
10N04E33	Water Right	65-23504	JARVIS, LON; JARVIS, RENEE; WEBB, MAC	SPRINGS	POU	DOMESTIC										X							
10N04E33	Water Right	65-3238	BEEAMAN & ASSOC PC; CASTLE MOUNTAIN CREEK	UNNAMED STREAM	POU	DOMESTIC						X	X	X	X	X	X	X					
10N04E33	Water Right	65-3238	BEEAMAN & ASSOC PC; CASTLE MOUNTAIN CREEK	WARM SPRINGS CREEK	POU	DOMESTIC						X	X	X	X	X	X	X					
10N04E33	Water Right	65-4002X	WARD, EARLE L; WARD, JAN; WARD, LEIGH; WARM	SPRINGS	POU	DOMESTIC										X							
10N04E33	Water Right	65-7140	TERRACE LAKES RECREATIONAL RANCH INC	MC BRIDE CREEK	POU	DOMESTIC			X										X	X	X	X	
10N04E33	Water Right	65-7562	MILLER, BARBARA A; MILLER, CLEO R; SCHULZ,	WARM SPRINGS CREEK	POU	DOMESTIC										X							
10N04E33	Water Right	65-7592	CZECH, ALICE; CZECH, MICHAEL; WITHROW,	WARM SPRINGS CREEK	POU	DOMESTIC										X							
10N04E33	Water Right	65-7595	BLAKE, DOROTHY; BLAKE, JAMES J	GROUND WATER	POU	DOMESTIC										X							
10N04E33	Water Right	65-7770B	CZECH, ALICE; CZECH, MICHAEL; ERO RESOURCES	GROUND WATER	POU	DOMESTIC									X								
10N04E33	Water Right	65-7770F	HERRING, EDWARD; HERRING, NANCY;	GROUND WATER	POU	DOMESTIC																	
10N04E33	Water Right	65-7770G	MILLER, BARBARA A; MILLER, CLEO R; SCHULZ,	GROUND WATER	POU	DOMESTIC										X							
10N04E33	Water Right	65-7770H	BURGER JR., HARRY S; PETERSON, JACK E;	GROUND WATER	POU	DOMESTIC										X							
10N04E33	Water Right	65-23085	TERRACE LAKES WATER CO; X ROADS	GROUND WATER	POU	FIRE PROTECTION			X	X	X				X								

TFS	Process	Basin Sequence	Owner	Source	POD POU	Use	NENE	NWNE	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESH	NWSE	SWSE	Total Acres
10N04E33	Water Right	65-12287	FREEMAN, DONNA S; FREEMAN, LLOYD J;	GROUND WATER	POU	HEATING						X		A.H.	L.A			
10N04E33	Water Right	65-12289	ARMSTRONG, BETTY B; ARMSTRONG, DICK W	WARM SPRINGS	POU	HEATING										X		
10N04E33	Water Right	65-12290	WILDER, ANNA LOU; WILDER, JOHN J	WARM SPRINGS	POU	HEATING										X		
10N04E33	Water Right	65-12292	GRENDA, DENNIS A; GRENDA, SHERI L; MC	WARM SPRINGS	POU	HEATING										X		
10N04E33	Water Right	65-12301	GUERNSEY, DOBIS L; GUERNSEY, ROGER L	WASTE WATER	POU	HEATING										X		
10N04E33	Water Right	65-12302	EARL, FRANK M; HAMPTON, DEBBY;	SPRINGS	POU	HEATING						X			D.H.L.T			
10N04E33	Water Right	65-13050	ANDERSON, JAMIE A; JARVIS, LON; JARVIS,	SPRINGS	POU	HEATING						X			P.H.L.T			
10N04E33	Water Right	65-13411	SPOFFORD, CONNIE L; SPOFFORD, ROBIN S	GROUND WATER	POU	HEATING							X					
10N04E33	Water Right	65-22440	MILLER, BARBARA A; MILLER, CLEO R; SCHULZ,	WARM SPRINGS	POU	HEATING						X			R.H.L.T			
10N04E33	Water Right	65-22441	ERO RESOURCES CORP; GRAY, CHAD T.; JARVIS,	WARM SPRINGS	POU	HEATING						X			D.H.L.T			
10N04E33	Water Right	65-22793	BEEHMAN & ASSOC PC; CASTLE MOUNTAIN CREEK	SPRINGS	POU	HEATING						X			O.H.L.T			
10N04E33	Water Right	65-22794	OWNERS ASSN INC; GRAY, CHAD T.; JARVIS,	SPRINGS	POU	HEATING						X			d.h.L.T source Not			
10N04E33	Water Right	65-23495	LONG, SCHULZ, DIANA G; SCHULZ, DIANA G; SCHULZ,	GROUND WATER	POU	HEATING						X			D.H.L.T			
10N04E33	Water Right	65-23496	LUSTO E, WEBB, MAC ANDERSON, JAMIE A;	GROUND WATER	POU	HEATING						X			P.H.L.T			
10N04E33	Water Right	65-23497	SCHULZ, DIANA G; SCHULZ, JARVIS, LON; JARVIS,	GROUND WATER	POU	HEATING						X			D.H.L.T			
10N04E33	Water Right	65-23504	RENEE; WEBB, MAC WARD, EARLE L; WARD,	SPRINGS	POU	HEATING						X			P.H.L.T			
10N04E33	Water Right	65-4002X	JAN, WARD, LEIGH; WARM TERRACE LAKES	SPRING	POU	HEATING					X							
10N04E33	Water Right	65-7118	CZECH, ALICE; CZECH, MICHAEL; ERO RESOURCES	GROUND WATER	POU	HEATING					X					X	X	X
10N04E33	Water Right	65-7770F	HERRING, EDWARD; HERRING, NANCY;	GROUND WATER	POU	HEATING						X						
10N04E33	Water Right	65-7770G	MILLER, BARBARA A; MILLER, CLEO R; SCHULZ,	GROUND WATER	POU	HEATING						X			P.H.L.T			
10N04E33	Water Right	65-7770H	BURGER JR, HARRY S; PETERSON, JACK E;	GROUND WATER	POU	HEATING						X			D.H.L.T			
10N04E33	Water Permit	65-12974A	ANDREWS, RICHARD; ANDREWS, SUZANNE;	GROUND WATER	POU	IRRIGATION						1						1
10N04E33	Water Permit	65-12974B	GEBERT, JAMES; LIVINGSTON, EARL D;	GROUND WATER	POU	IRRIGATION						1						1
10N04E33	Water Permit	65-12974C	GOFFIN, MARTIN; GOFFIN, SUE; LIVINGSTON, EARL D;	GROUND WATER	POU	IRRIGATION						1						1
10N04E33	Water Right	65-10780	TERRACE LAKES RECREATIONAL RANCH INC	EASLEY CREEK	POU	IRRIGATION												1
10N04E33	Water Right	65-10782	TERRACE LAKES RECREATIONAL RANCH INC	SCRIVER CREEK	POU	IRRIGATION												1
10N04E33	Water Right	65-12719	BUNN, D ANN; BUNN, GARY L; PARTIDGE,	SPRINGS	POU	IRRIGATION					1							1

[illegible]

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Location Corrected by IDWR To:

T10N R04E Sec. 33 NWSW

By: segbert 2010-10-15

State law requires that this report be filed with the Director, Department of V within 30 days after the completion or abandonment of the we

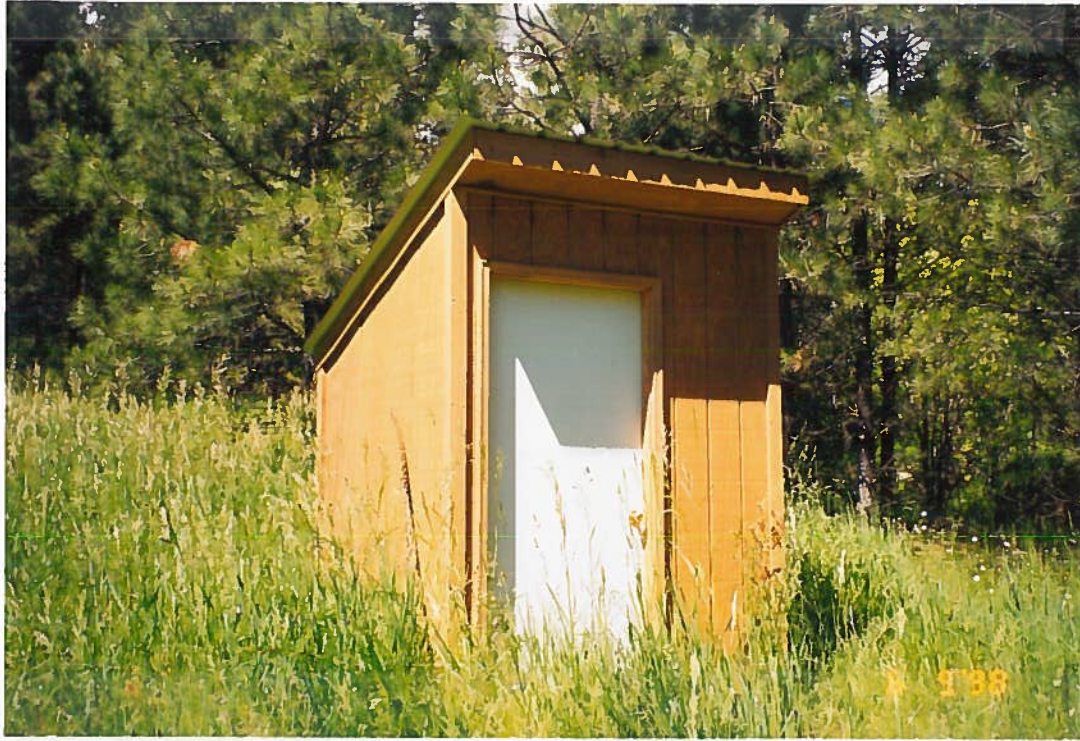
[illegible]

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT



PHOTOGRAPHER AND DATE OF PHOTOS M. Minicucci 06/09/1998

FILE NO. AND LEGAL DESCR. 65-12974 ACTION R4E S33 NWSW



Locked well house. Creek is on opposite side. Located on Lot 4, Livingston Estates.

GPS SITE ID
A000 1462



Well inside well house. Serves Lots 2 and 3 Livingston Estates. Lot 1 has its own well located on that lot.



PHOTOGRAPHER AND DATE OF PHOTOS M. Minicucci 06/09/1998

FILE NO. AND LEGAL DESCR. 65-12974A T10N R4E S33



Place of use, still under construction

AKA LOT 3 LIVINGSTON ESTATES