

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 63-12041

Exam Date: 5/30/1996

1. Current Owner: GREEN CREEK RANCH SUBDIVISION #2
3024 WOODRIDGE DR
TWIN FALLS ID 83301
(208)733-4952
2. Accompanied by: No one. Per telephone conversation arranged to drop-by & inspect per Kathi Meyers. I left pumphouse locked when completed exam.
- Phone No:
- Address:
- Relationship to Permit Holder:

3. SOURCE TRIBUTARY
GROUND WATER

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 L2 NW1/4NE1/4 Sec. 5, Twp 02N, Rge 10E, B.M., ELMORE County

Method of Determination: 7.5' topo & permit maps

2.

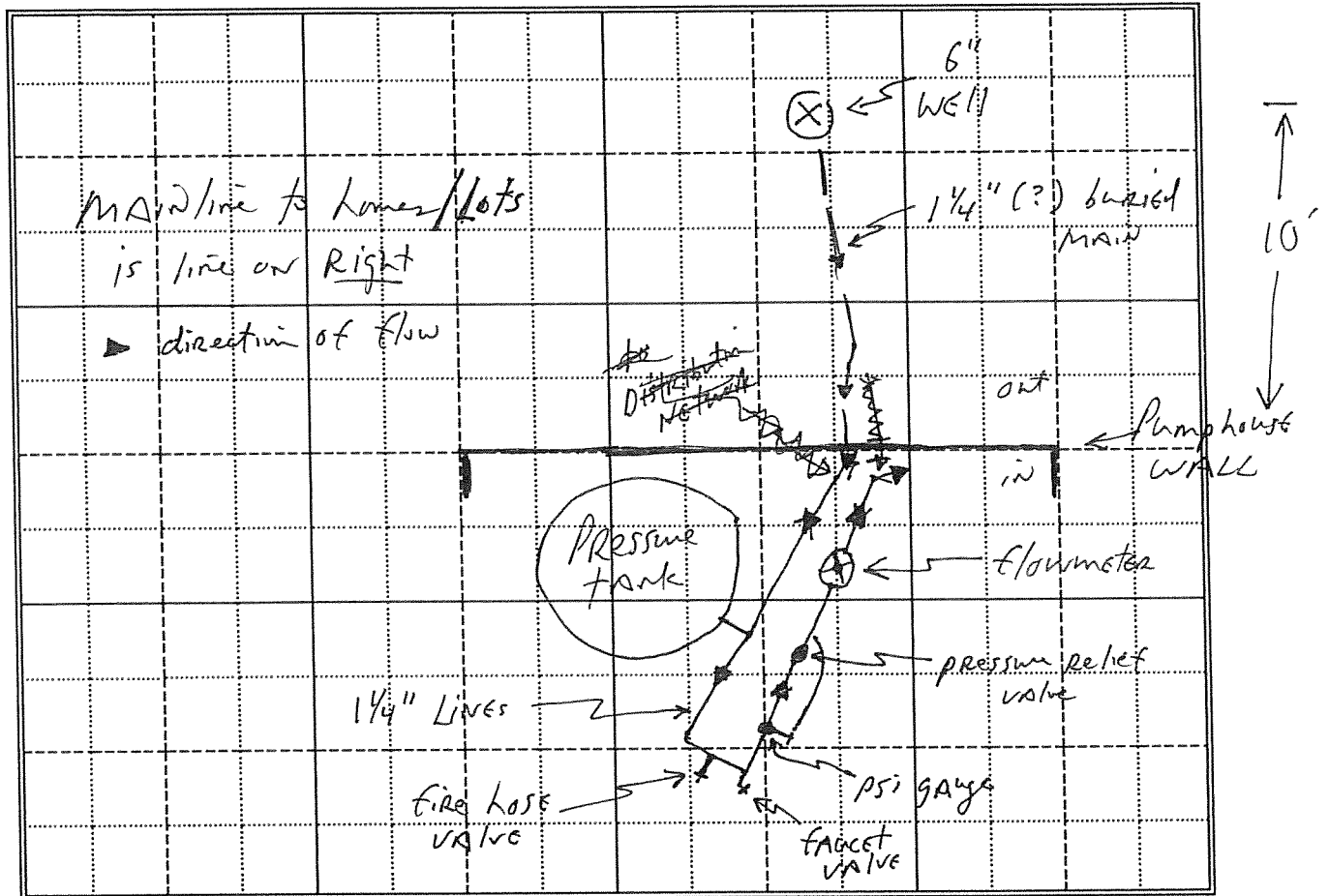
PLACE OF USE: DOMESTIC

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
02N	10E	5		X															
				L 2															

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

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable.



Scale: 1" = N/A

☒ Copy of USGS Quadrangle Attached Showing location(s) of point(s) of diversion and place(s) of use (required).

N/A 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>
	Franklin	2	2823018110	Jacuzzi	Model 5445-B
				Sandhandler (submersible)	Order #92520022 } 1.25" mainline

*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>
Sensus in-line flowmeter				47075536		1993*

2. Measurements: Not pumping during exam; cannot measure in this condition.
Psi guage reads 48
Flowmeter reads 1,333,500 gallons on totalizer.

*pump tag shows pump installed 1993 – assume flowmeter calibration same.

E. FLOW CALCULATIONS

_____Additional Computation Sheets Attached

Measured Method:

Theoretical:

Psi = 48

Lift = 20' (static water level from well log) + 10 = 30'

HP = 2.0

$$Q = \frac{(8.8)(2)(0.70)}{30 + (2.31 \times 48)} = 0.087 = 0.09 \text{ CFS}$$

Per well log: Tested @ 40 gpm = 0.09 cfs

Allow 0.09 cfs for this right.

Drilling permit and measuring device ok.

Idaho Power meter #44322585 (Westinghouse) on outside wall of pumphouse.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

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

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

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

2. Volume Calculations for Other Uses:

$$V = 11 \text{ homes} \times 1.2 = 13.2 \text{ af}$$

$$V = 0.09 \times 1.9835 \times 365 \text{ days} = 65.2 \text{ af}$$

Recommend lesser of 2 = 13.2 af

G. NARRATIVE/REMARKS/COMMENTS

A 6", 180' well drilled in 1993 has 2 hp submersible pump and 1.25" mainline to 11 lots. 3 homes are completed now, some yard use noted (minor). 3 lots host camping trailers/RVs where owners use hydrants for domestic water. Lots have stubs for homes to connect. 5 lots are idle or construction occurring, where lots have stubbed lines. Thus, all 11 lots have some combination of internal &/or external use &/or stubbed lines. Credit 11 lots with internal/external use limited to less than or equal to ½ acre yard per home or unit.

This permit was originally filed as internal domestic and external irrigation per standards used at time of filing. However, was approved as internal domestic with remark that allows less than or equal to ½ acre yard use. Therefore, it mimics the older use of "domestic" in subdivision setting, implying 1.2 afa/home (including stubbed lots).

P/D = Lot 1, Block 1, Green Creek Ranch Subdivision #2
P/U = Lots 2 – 12, Block 1, Green Creek Ranch Subdivision #2

Have conditions of permit approval been met? ☒ Yes ☐ No

H. RECOMMENDATIONS

1. Recommended Amounts

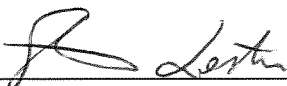
<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
DOMESTIC	1/01 to 12/31	0.09 CFS	13.2 AF
<u>Totals:</u>		0.09 CFS	13.2 AF

2. Recommended Amendments

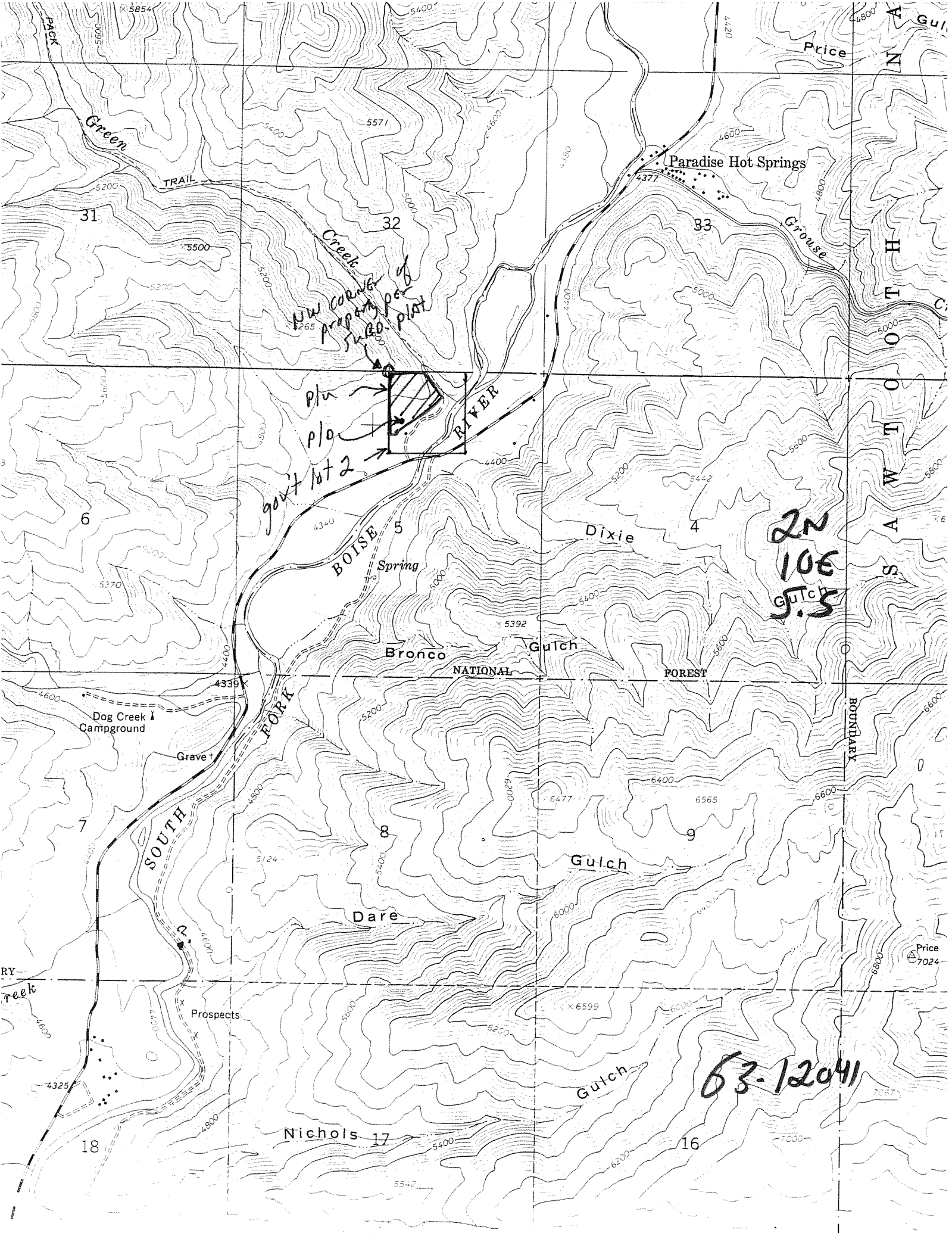
☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

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

I. AUTHENTICATION

Field Examiner's Name  Date 8/4/2014
Reviewer _____ Date _____

☒ Kay Walker prepared this typed report based on examiner's incomplete original, attached.



NW corner of
property per
SUBD. PLAT

pln
plo
gov't lot 2

2N
10E
5.5

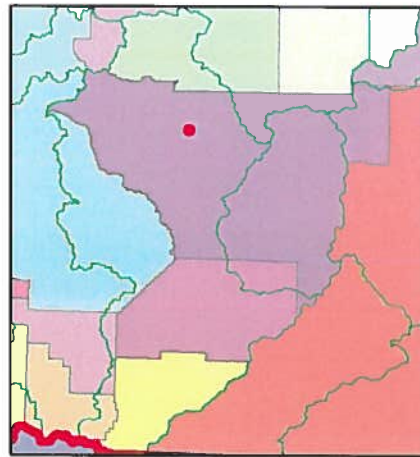
63-12041



Idaho Department of Water Resources

Water Right
63-12041
(DOMESTIC)

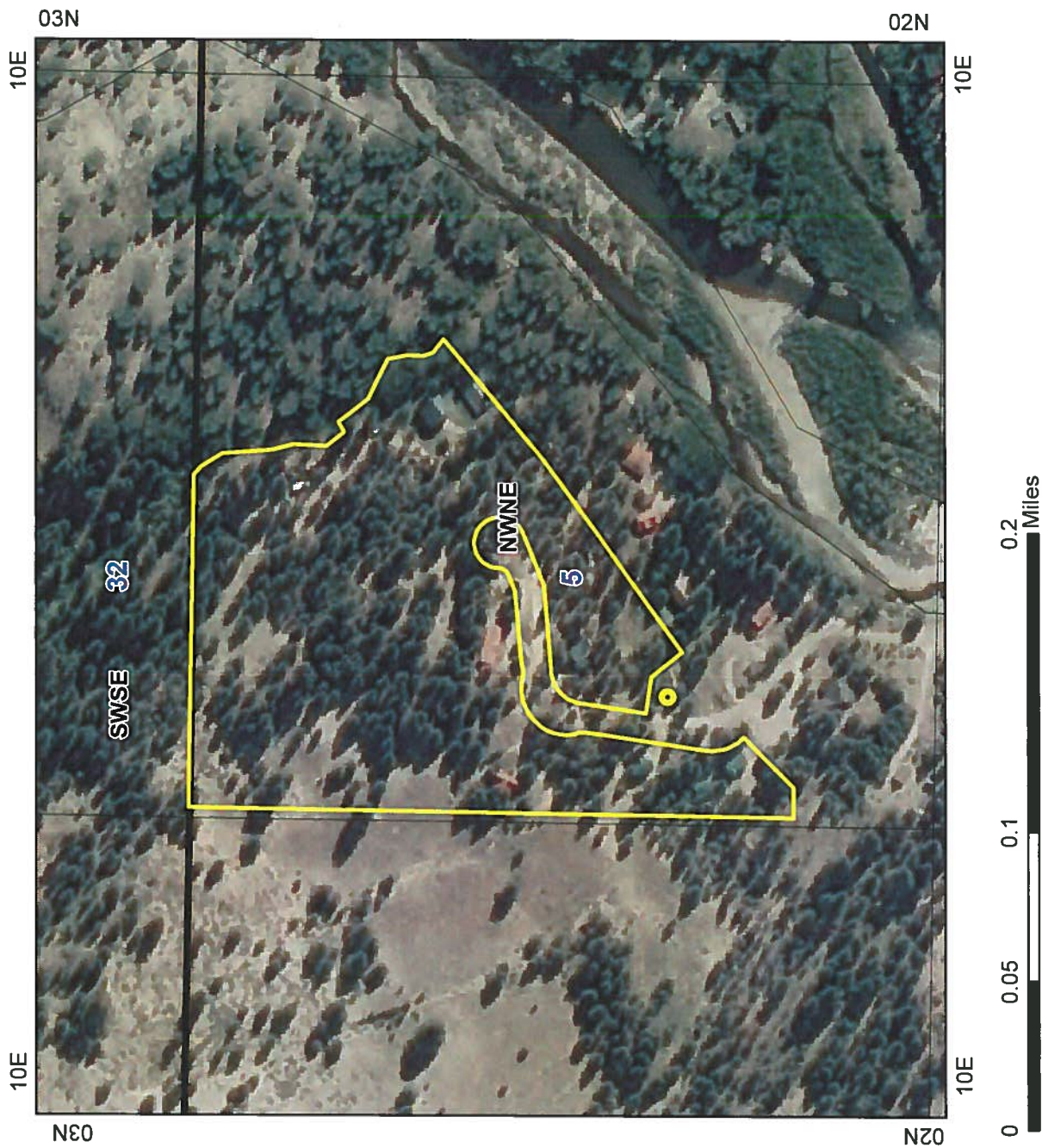
- Point of Diversion
- Place of Use
- State Outline
- Townships
- PLS Sections
- Quarter Quarters



Elmore County
IDWR Basin 63

Prepared by Walker, Kay

2009 Aerial Photography



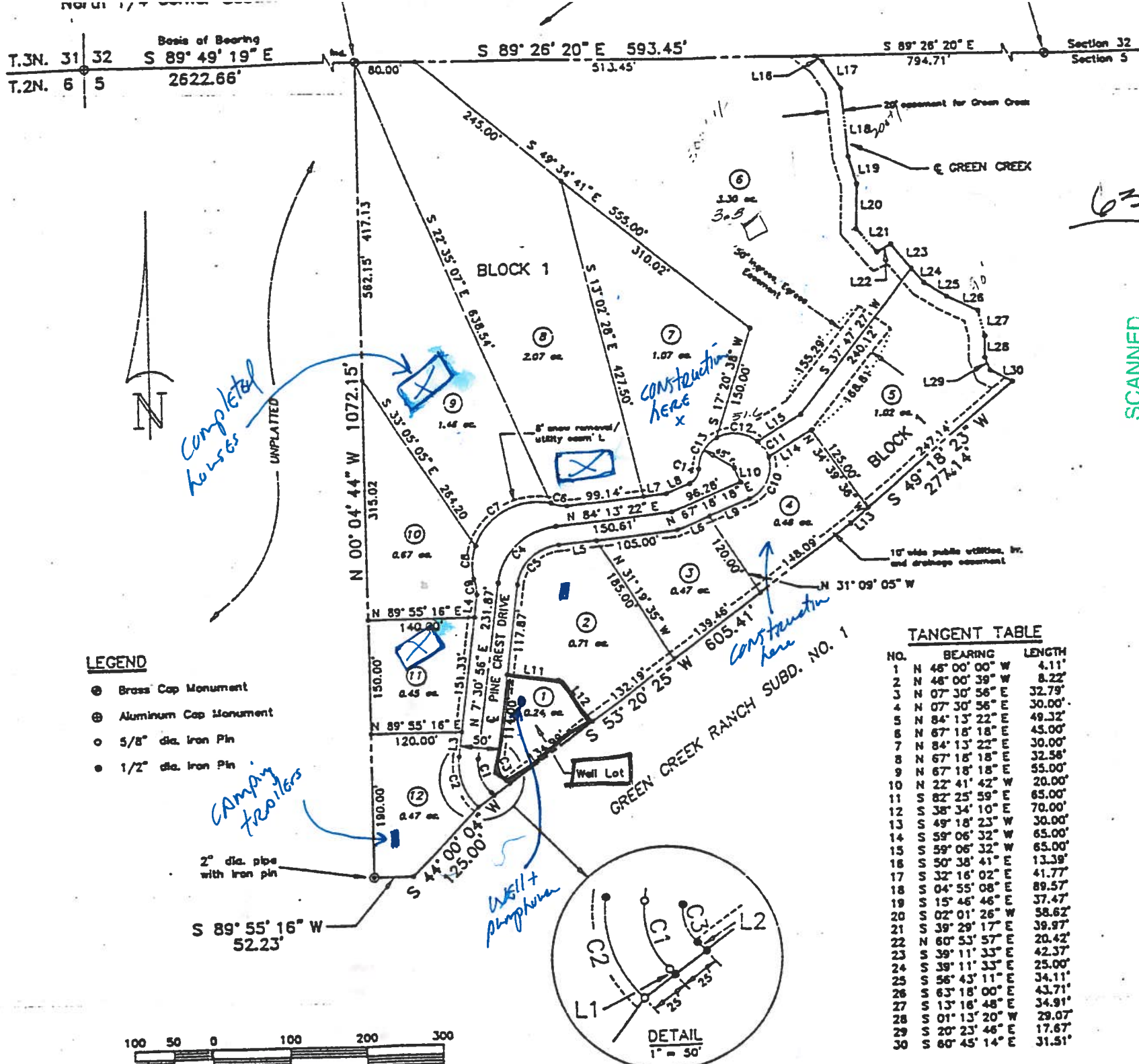
A parcel of land located in
U.S. Government Lot 2 in the West 1/2
of the Northeast 1/4 of Section 5,
T.2N., R.10E., B.M., Elmore County, Idaho
1988

63-1204

SCANNED
AUG 28 2014

- NOTES:
1. Building setbacks and dimensional standards in this shall comply with the applicable zoning regulations for Elmore County.
 2. This plot is subject to, and the developer shall comply with, Idaho Code, Sec. 31-3805, pertaining to irrigation.
 3. All lot lines common to a public right-of-way shall be 5 foot wide permanent public utilities, irrigation or drainage easement unless otherwise specified.
 4. No snow removal on interior roads will be provided.
 5. This plot is governed by, and all lot development shall comply with, the provisions of the Elmore County Subdivision Ordinance, Ordinance No. 1.

Clyde Porter, P.L.S. 946



PORTER'S I
Planning
Bo

IDAHO DEPARTMENT OF WATER RESOURCES

WELL INSPECTION FORM

1. DRILLING PERMIT NO: 63-93-W-0874-000 OTHER APPLICABLE NO: 63-12041
2. OWNER: See Water right file Phone: _____
Address: _____
3. WELL LOCATION: Twp _____, Rge. _____, Sec. _____, _____ 1/4 _____ 1/4
County _____ (Provide sketch map and photo on reverse.)
4. DRILLER: Hiddleston Lic. No. 35
When Drilled? 9/20-21/93
5. WELL CONSTRUCTION:
Casing Diameter 6 inches Water tight cap? [☒] Yes [☐] No Access Port: [☐] Yes [☒] No
Casing $\geq$ 12 inches above ground? [☒] Yes [☐] No - Describe _____
Depth of Casing 59 ft. Method Drilled air rotary
Condition of Well Casing: [☒] Good [☐] Fair [☐] Poor Describe _____
Control Valve? [☐] Yes [☒] No Pressure Gauge: [☒] Yes [☐] No - in pump house
Condition of Piping and Valving good
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 20 ft. Water Temperature cold °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: * multi-domestic include minor yard use

63-12041

① Well, behind pump shed



② Inside pump shed, mainlines & tank



63-12041

③ House with minor yard use



④ Trailer camp use - limited domestic while building cabine



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No. 63-12041

1. Owner: Kathi s/w Robert Meyers Phone No. 733-4952

Current Address: 3024 Woodridge Dr Twin Falls, ID 83301

2. Accompanied by: - NO ONE - per telephone conv. EXAM DATE: 5/30/96

Address: Arranged to drop-by & inspect per Kathi Meyers. Phone No. _____

Relationship to Permit Holder: _____

3. Source: groundwater tributary to _____

I left pump house locked when completed exam.

B. OVERLAP REVIEW

1. Other water rights with the same place of use: _____

2. Other water rights with the same point of diversion: _____

C. DIVERSION AND DELIVERY SYSTEM

1. Point(s) of Diversion:

Ident No.	Gov't Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
	<u>2</u>	<u>—</u>	<u>NW</u>	<u>NE</u>	<u>5</u>	<u>2N</u>	<u>10E</u>	<u>Elmore</u>	<u>7 1/2' topog & permit maps</u>

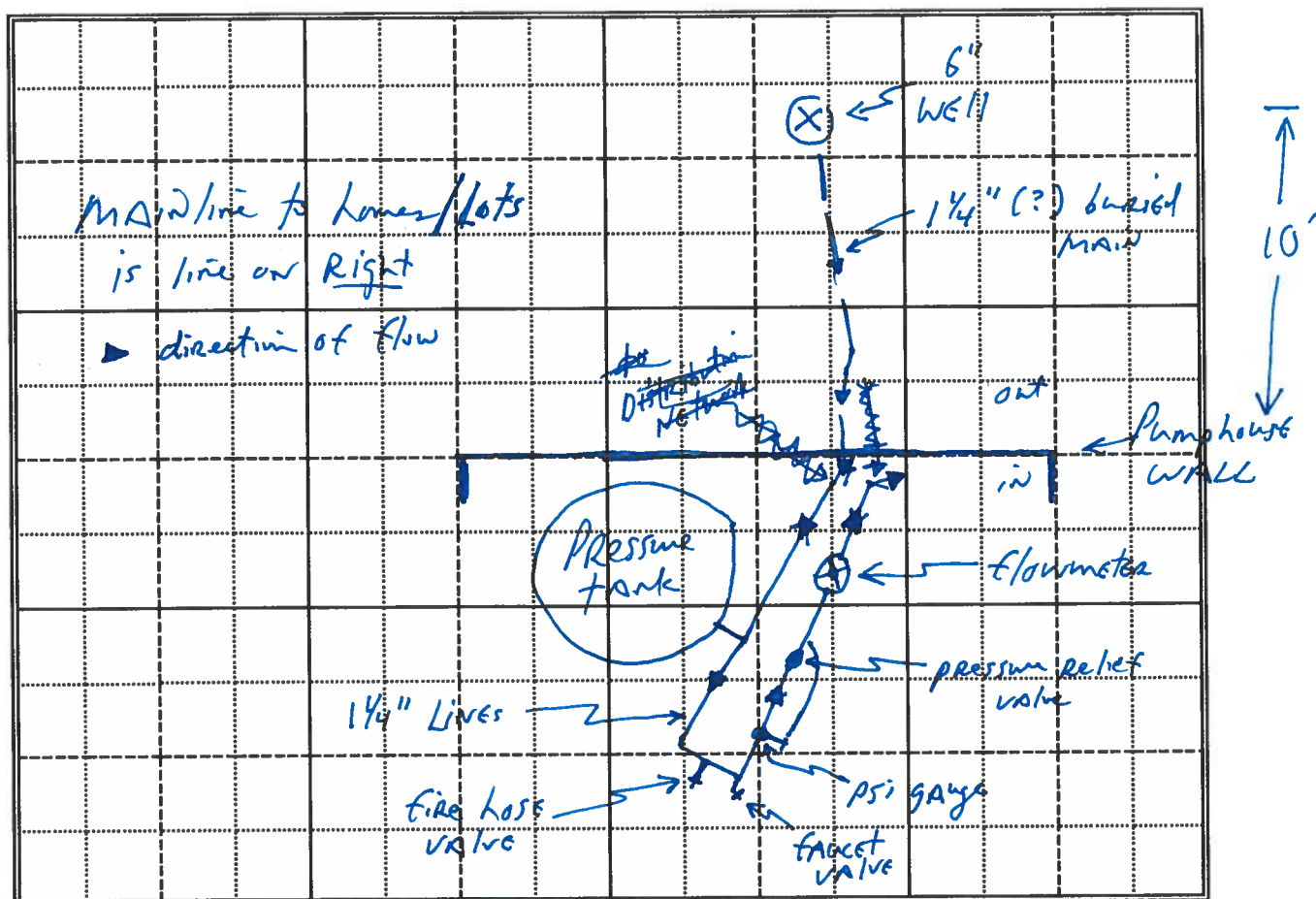
2. Place(s) of Use:

Indicate Method of Determination: Same

TWP	RGE	SEC	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
<u>2N</u>	<u>10E</u>	<u>5</u>		<u>D</u>															
				<u>gov't Lot 2</u>															

Original Exam (incomplete)

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable.



Scale: 1" = N/A

☒ Copy of USGS Quadrange Attached Showing location(s) of point(s) of diversion and place(s) of use (required).

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

☒ Photo of Diversion and System Attached

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor ^{MODEL} Serial No.	Pump Make	Pump Serial No. or Discharge Size
	Franklin	2	2823018110	Jacuzzi	MODEL 5445-B
				SandHandler	order # 92520022
				(subm.)	

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

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
SENSUS in-line flowmeter				47075536		1993 *

2. Measurements:
- Not pumping during Exam; cannot measure in this cond. for
 - psi gauge reads 48
 - flowmeter reads 1,333,500 gallons on totalizer;

* pump tag shows pump installed 1993 - assume flowmeter calibration same?

E. NARRATIVE/REMARKS/COMMENTS

A 6", 180' well drilled in 1993 has 2 hp. subm. pump & 1 1/4" mainline to 11 lots.

3 homes are completed now, some yard use noted (mow).

3 lots host camping trailers/RV's where owners use hydrants for domestic water. Lots have stubs for homes to
5 lots are idle or construction occurring, where lots have stubbed lines. connect

Thus, all 11 lots have some combination of internal &/or external use &/or stubbed lines.

Credit 11 lots with int/ext. use limited to $\leq \frac{1}{2}$ acre yard per home or unit.

This permit was originally filed as internal domestic & external irrig. per standards ~~was~~ used at time of filing. However, was approved as internal domestic with remark that allows $\leq \frac{1}{2}$ acre yard use. Therefore, it mimics the older use of "domestic" in subd. setting, implying 1.2 AFA/home (including stubbed lots).

P/O = Lot 1 } Block 1, Green Cr. Ranch Subd. #2
P/U = Lots 2-12 }

Drilling permit + meas. device OK.

Id. Power meter # 44322585 (Westinghouse) on outside wall of pump house.

Have conditions of permit approval been met? ☒ yes ☐ no

photos ① well, behind pump shed
② inside pump shed, mainlines & tank
finch roll → ③ house with ~~minor~~ minor yard use
begin new roll → ④ trailer camp use - limited domestic while building cabin

System can be measured when pumping is ok.

F. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method:

pendings

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \underline{\hspace{2cm}}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = \underline{\hspace{2cm}}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = \underline{\hspace{2cm}}$$

2. Volume Calculations for Other Uses:

Dom. 11 units, can allow 1.2 Afa/unit (similar to older domestic rights where irrigation assumed within the term "domestic")
 $11 \times 1.2 = 13.2 \text{ Afa}$
vs. $(1365)(1.9835) = 2707.5 \text{ Afa}$ } allow 13.2 Afa

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
<u>Domestic</u>	<u>1/1</u>	<u>12/31</u>		
Totals:				

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 Steve Lester Date 5/30/96

Reviewer _____ Date _____

SEAL

MEMORANDUM

TO: File
FROM: Steve Lester 
DATE: July 31, 2014
RE: 63-12041 Licensing Exam Report

Thanks to Kay Walker for completing an electronic exam report based on a mostly completed original report in the file. A couple updated items are included with this memo for licensing purposes.

Diversion Rate

Recommended rate worksheet, HP equation with favorable assumptions for water user, 0.09 cfs.

Diversion Volume

Not exempt from volume requirements.

Updated BU Rules from 2012 included follow-up department determination of reasonable method to estimate yard irrigation volume for community systems that include stubbed lots.

This was intended to estimate a more accurate external use volume. A sampling method would convert average observed yard irrigation into an irrigated area value for existing homes and stubbed lots.

The volume required vs. volume diverted irrigation comparison would estimate volume for yards. This would not require changing the permit from "domestic internal + external" to "domestic internal" and "irrigation yards."

This permit is one of those "domestic internal + external" under the prior moratorium exemption.

In this case, the sampling-conversion method is not advisable. Examiner found 11 lots where:

- 3 homes with very limited yard use
- 3 lots for campers/trailers, future yard use dubious but unpredictable
- 5 stubbed lots.

Using the conversion technique would provide little if any refinement to the license. Continue with the older style for 1.2 af/lot in this case, even though some lots might never be used that way. But this provides the owners the flexibility to meet possible future needs.

A license for internal and external domestic use, 11 lots, 0.09 cfs and 13.2 af is appropriate.

RATE &/OR STORAGE RECOMMENDED FOR LICENSING

LESSER OF FOUR CHOICES

1) Permit amount	<u>.16</u>	cfs	&/or	_____	af storage
2) Beneficial use limit	<u>.16</u>	cfs	&/or	_____	af storage
3) System measurement	<u>.09</u>	cfs	&/or	_____	af storage
4) Proof fee amount	<u>.20</u>	cfs	&/or	_____	af storage
Recommended Amount	<u>.09</u>	cfs	&/or	_____	af storage

NOTES

- 1) Can never exceed permit amount.
 - 2) Beneficial use limits are recognized standards: 0.03 cfs for up to 5 acres, 0.02 cfs beyond 5 acres, stockwater chart, in-house domestic chart etc. Some exceptions acceptable if already approved in permit: excessive rate for parks etc.
 - 3) System measurement can be actual measurement reflecting typical operations or theoretical measurement or some combination of both if actual measurement does not reflect true capacity of system based on other supporting information. Be cautious about using just theoretical measurement to limit the amount of water.
 - 4) Confirm correct proof fee was paid. See "wr field exams/proof fees-2 schedules" for pre 11/1/1991 schedule and for on/after 11/1/1991 schedule.
- If permit includes rate of flow and storage, fee is the greater amount for those two categories. Example with current filing fees:

1.0 cfs = \$100

15 af = \$50

required fee = \$100

If proof paid amount is the limiting factor for recommended flow/storage, confirm this was addressed in proof process but owner declined to pay more. If cannot confirm owner was provided a chance to pay correct fee, use 30-day letter for last chance to pay (advances priority). Without additional payment, allow maximum rate/storage per fee paid.



DIVERSION VOLUME RECOMMENDED TO LICENSE

Example # 4 – Domestic exceeds 42-111, multiple homes & yards covered in “domestic”

** Use same method if up to 1/2 acre yards listed under irrigation and stubbed lots are found. **

Permit = well for 20 homes & 1/2 acre yard per home, no common area irrigation.

Approved for 0.40 cfs domestic: 20 homes at 0.20 cfs (domestic chart), 20 x 1/2 acre = 10 acres yards at 0.20 cfs.

Found: system produces 0.40 cfs, 10 homes built, 5 lots stubbed, 5 lots without stubs.

In 4 af/acre volume area.

Sampled several yards, found average yard is 0.3 acre.

Allow 15 homes with 0.3 acre yard (10 existing + 5 stubbed)

$$V_r \text{ internal use} = 15 \times 0.6 = 9 \text{ af}$$

$$V_r \text{ external use} = 15 \times 0.3 \text{ acre} = 4.5 \text{ acres} \times 4 \text{ af/acre} = 18 \text{ af}$$

$$V_r \text{ total} = 27 \text{ af}$$

$$V_d = 0.40 \times 365 \times 1.9835 = 289.6 \text{ af}$$

$$V_r < V_d, \text{ recommend } V_r = 27 \text{ af}$$

Domestic for 15 homes & yards, 5 lots lacking homes or stubs will not be licensed.

No homes but stubbed lots found – estimate average size lot and assume 50% irrigated to complete calculations.

Condition 070 on permit – does not prevent future home from having yard.

Text

The irrigation occurring under this domestic use shall not exceed 1/2 acre within each platted subdivision lot upon which a home has been constructed. This right does not provide for irrigation of common areas or for irrigation of lots upon which homes have not been constructed.

Usage Description

Used on multiple ownership domestic rights located within restricted areas where irrigation is intended but not identified separately.

Intent of this was to limit shopping for moratorium loopholes – lots of shopping went on for many years!

Can credit stubbed lots for yards. Otherwise, stubbed lots would get credit for internal use but could not have “legal yards” in the future without additional water right coverage. Nobody wants that.

* pgs 3-4 extract from this guidance doc prepared from meetings w/ SO in revising R.G. Rules 2011-2012