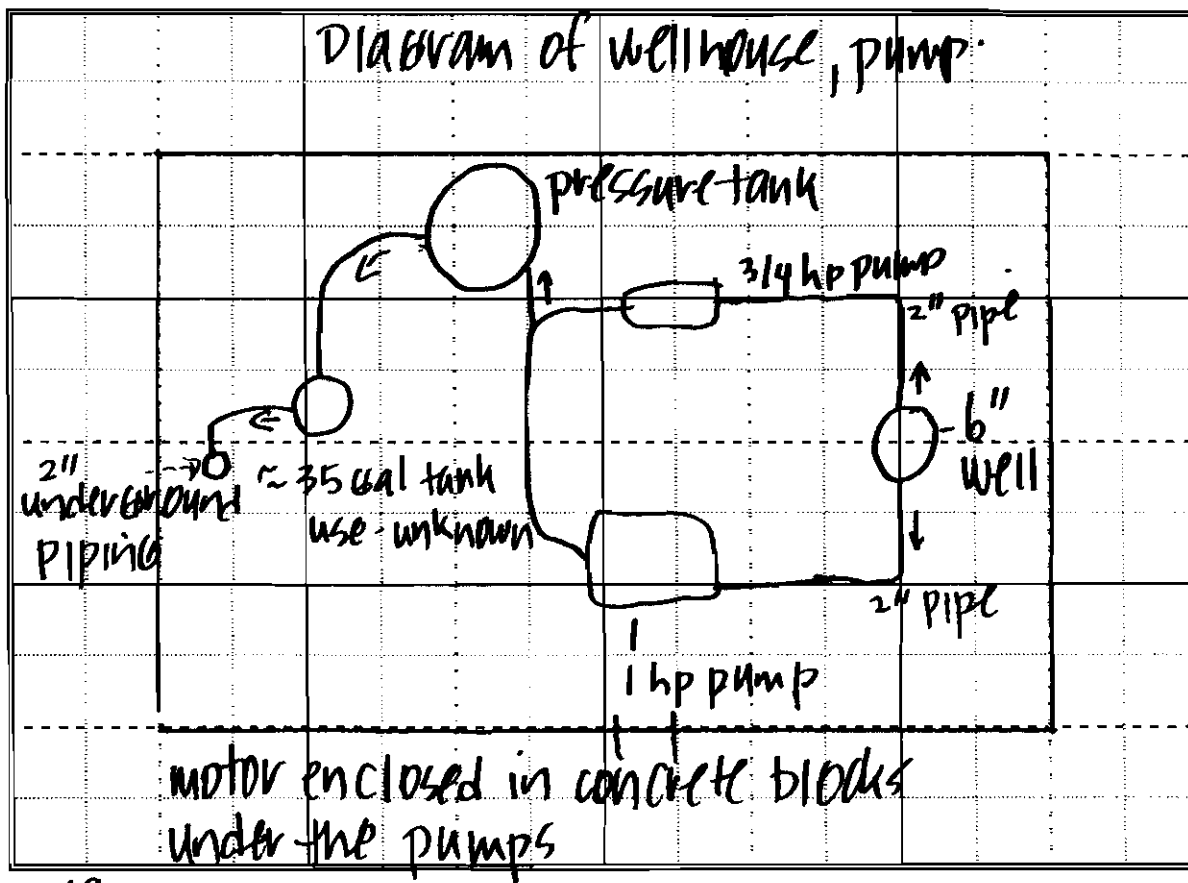


3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe diameter (inside), as applicable. Use the space provided or ☐ see attached.



Scale: 1" = n/a

- ☒ Copy of USGS Quadrangle 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.

motor not accessible

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
		1		Projet	C48K2EC11C3

*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
Pressure gauge		Campbell				50 psi

2. Measurements: only pressure reading -- permanent gauge
back up pump = 3/4 hp westinghouse SN 314P270
Main meter pump: 3450 rpm 1 hp 60Hz kVA
amps 14.8/7.4 SF-1.25

E. NARRATIVE/REMARKS/COMMENTS

Mr. Ellis accompanied me on the short field exam. The Ellises purchased the property a little over a year ago. The prior owners filed the assignment of permit with DWR.

I walked the site, took pictures, saw the wellhouse & took pictures of the pump. There is a 1hp main pump that was recently replaced the old 1hp pump, and there is a 3/4 hp pump that is a back up or emergency pump only. I took specs of the pumps. There is no meter on the pumphouse and Mr. Ellis showed me nearby meters he thought I was the meter for the pumphouse but was not sure. Meter inaccessible - enclosed below pumps.

Pressure gauge is on the pump. The pump kicked on while I was there and I recorded a pressure reading of 50 psi. Mr. Ellis thought it got up to 60 psi.

Mr. Ellis does not know about the well specs or where the piping from the well to the trailers is. He suggested I call Her pump in Calaveras. He thought they were familiar with the history but he did not have a contact name for me.

Well is used for internal domestic only, for the 1 small trailers on the parcel. Surface water sheds for irrigation.

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

F. FLOW CALCULATIONS

☒ Additional Computation Sheets Attached

Measured Method:

DWR standard is .12 cfs for 1 home, internal use.

$$\text{Flow calculation: } \frac{(8.8)(.7)(1 \text{ hp.})}{125' + (2.31)(50 \text{ psi})} = \frac{6.16}{240.5} = .03 \text{ cfs}$$

see well inspection
form for static
water level

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: n/a

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

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

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

2. Volume Calculations for Other Uses: Domestic.

DWR standard is (.6 afy) (7 trailers) = 4.2 afy

$$\text{alternative: } (.03 \text{ cfs})(1.9835)(365) = 21.14 \text{ afy}$$

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversión Q (cfs)	Annual Volume V (afa)
	From	To		
Domestic	1/1	12/31	.04	~~.04~~ 4.2
Totals:			.04	~~.04~~ 4.2

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

W. J. L. L. L.

Date

7/21/10

Reviewer

Date

SEAL

Additional calculations

$$\frac{(8.8)(.70)(1)}{(125) + (2.31)(50)} = \frac{6.16}{240.5} = .025 = .03$$

* $\Rightarrow .00 + (2.31)(30) = .04$

Volume $(.03)(1.985)(365) = 21.74 \text{ afy}$

$(.04)(1.985)(365) = 28.98 \text{ afy}$

$(.6)(7) = 4.2 \text{ afy} *$

* Field examiner recommends approving permit for 0.04 afy to allow for all of the unknowns. Current owner knows little about well and history of the site.

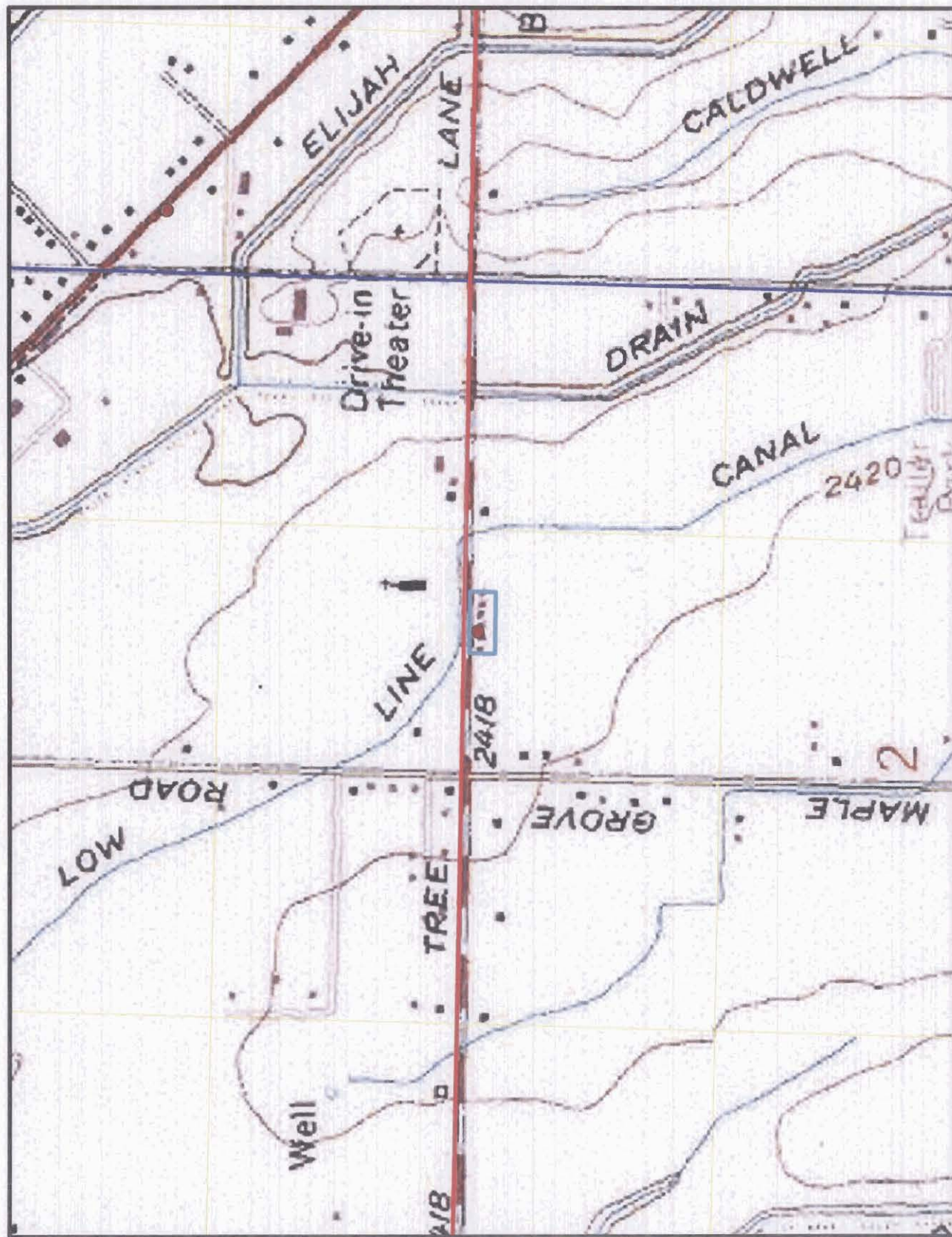


at 3144 to the 1 trailers.
T = single wide trailer

well #1
well house between 3128 & 3144 trailer
location of spill not unknown.

estimated location
of piping from well

permit 63-32379 - Upland Trailer Park. T3N R3W SED 2 NWNE
7 trailers. Inhouse use only. 2009 aerial photo.



permit 63-32379 - Upland Trailer Park. T3N R3W SED 2 NWNE
7 trailers. Inhouse use only.

IDAHO DEPARTMENT OF WATER RESOURCES

WELL INSPECTION FORM

1. DRILLING PERMIT NO: no record OTHER APPLICABLE NO: 63-32379
2. OWNER: Robert m and Eva Ellis Phone: 939-0551
Address: 440 W. Valli Hi Rd, Eagle, ID 83616
3. WELL LOCATION: Twp 3N, Rge. 3W, Sec. 2, NW 1/4 NE 1/4
County Canyon (Provide sketch map and photo on reverse.) ✓
4. DRILLER: unknown - no well log on file and Lic. No. _____
When Drilled? Mr. Ellis had no knowledge of well but applicant states well drilled in 1953.
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 125 ? ft. Method Drilled unknown
Condition of Well Casing: ☒ Good ☐ Fair ☐ Poor Describe _____
Control Valve? ☐ Yes ☐ No Pressure Gauge: ☒ Yes ☐ No
Condition of Piping and Valving very bad
Auger to a depth of n/a 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: per application and nearby well logs
Depth to Static Water 125 ft. Water Temperature unknown °F
Flowing Artesian ☐ Yes ☒ No Pressure: 50 (psi)
Water Sample Taken? ☐ Yes ☒ No If yes, describe purpose _____
Water Quality Measurements/Observations (Describe) none taken. none on file at IDEQ
7. WELL USE:
☒ Domestic - internal ☐ Irrigation ☐ Stock
☐ Test ☐ Municipal ☐ Industrial
☐ Abandoned ☐ Waste Disposal/Injection ☐ Not Used
☐ Other: _____

8. POSSIBLE CONTAMINATION SOURCES:

Is there evidence of Chemigation? ☐ Yes ☒ No

If yes, is there a check-valve present? ☐ Yes ☐ No n/a

Is there a possible source of contamination nearby? ☐ Yes ☒ No

If yes, what Type? n/a

How far away from the well is this source? n/a

9. REMARKS:

Hydro pump - Caldwell
wellhouse

meter...? not a wellhouse meter... 2 meters + 30' away!

ID power tap ALF farm 25 CL 200 240V 3W 60 Hz

TA = 30 KH 7.2

77 780 132 0V 11 193 275

Wegman

Signature of Dept. Representative & Title

6/14/2010

Inspection Date

PHOTOS, DRAWINGS, OTHER ATTACHMENTS:

N 43° 38.0 13') well
116° 39.605

well logs in area: none in the name none 100'-190'

02745 3N3W S2 144' TD 1955 (HORE)

193266 3N3W S2 NENE 154' TD 1977

well logs in 4N3W S35 SUSE 84' TD 1978

63-32379 licensing exam photos. Exam date: 6/14/2010



Trailer park looking east.

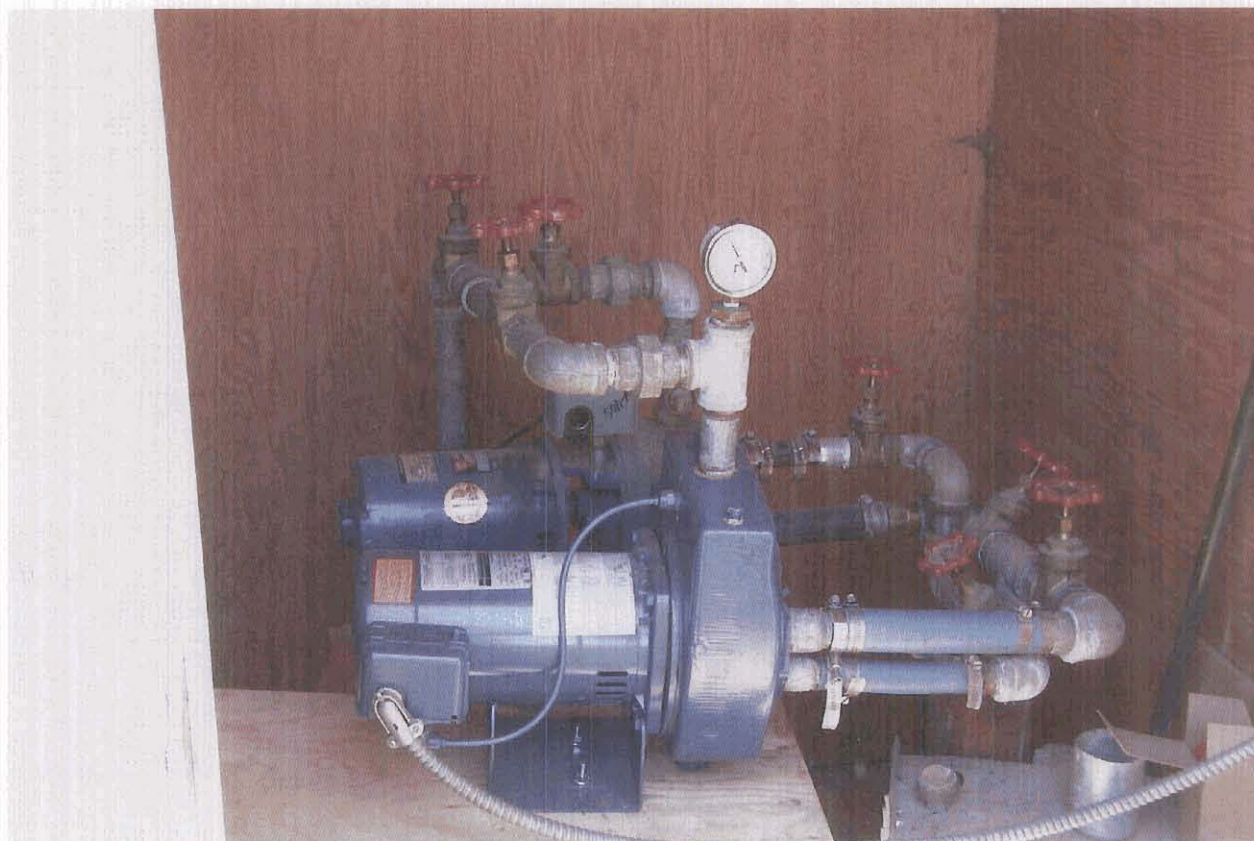


Trailer park looking west.

63-32379 licensing exam photos. Exam date: 6/14/2010

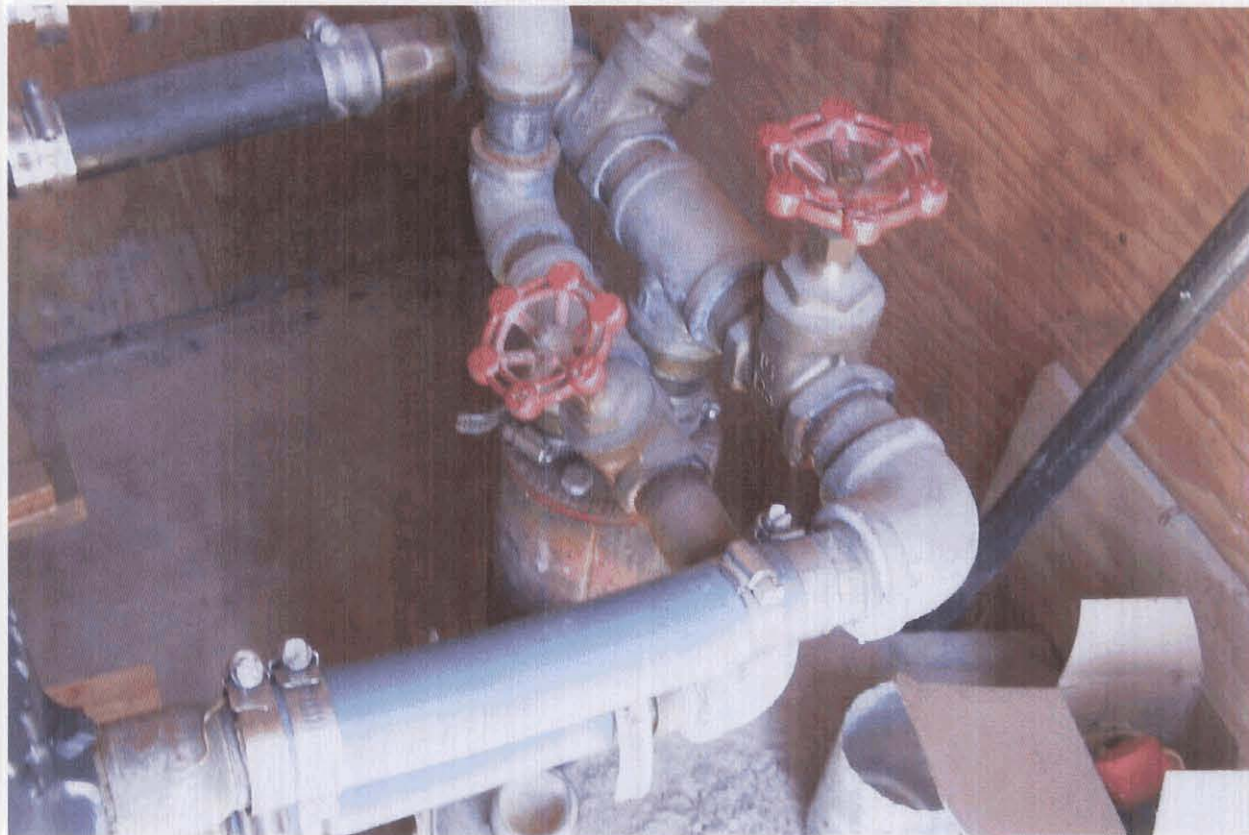


Wellhouse



2 pumps – 1 h.p. in front and the $\frac{3}{4}$ h.p. pump behind it. Motor located under pumps in wood and concrete block enclosure.

63-32379 licensing exam photos. Exam date: 6/14/2010



Well, piping and valves from well



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region, 2735 Airport Way, Boise, Idaho 83705-5082

Phone: (208) 334-2190 FAX: (208) 334-2348 www.idwr.idaho.gov

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Interim Director

August 16, 2010

Upland Properties, LLC
Robert Ellis
440 Valli Hi Rd.
Eagle, ID 83616

Re Permit no. 63-32379

Dear Mr. Ellis:

This letter is to follow up regarding the field exam of the Upland Trailer Park on June 14, 2010. The purpose of the licensing exam that is required prior to issuing a license is to verify the use of the water including the quantity of water that was developed for the proposed use. Upon returning the office, I calculated the instantaneous diversion rate for the well and pump system onsite. The result was a diversion rate of 0.03 cubic feet per second (cfs) which is about 12.5 gallons per minute (gpm) that the system is able to deliver to the 7 trailers.

When Mr. and Mrs. Wilbur filled out the application, they applied for a diversion rate of 0.12 cfs, or about 54 gpm. However, the 1 h.p. pump and 6" well with a static water level of approximately 125' cannot produce 0.12 cfs. I think the Wilburs applied for this quantity because it is the maximum rate that IDWR will allow for the internal use of water for 7 homes.

In this instance, the maximum IDWR will be able to license this use for is 0.04 cfs or 18 gpm. It appears from the history of the trailer park that this is sufficient for internal use for the 7 trailers.

If you do not agree, please provide additional information to substantiate a greater flow by September 16, 2010. Otherwise, IDWR will issue the license for 0.04 cfs and internal use of the 7 trailers.

Please call me if you have questions. Thank you.

Sincerely,

Vicky Music
Sr. Water Resource Agent