

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 37-20383

Exam Date: 10/5/2011

1. Current Owner: LAWRENCE L CALKINS
6970 SW PACIFIC COAST HWY
WALDPORT OR 97394-9135
(208) 316-3658
2. Accompanied by: Jana Reeder, IDWR WR Agent

3. SOURCE TRIBUTARY
GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: Big Wood Canal Company
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 SE1/4SE1/4SE1/4 Sec. 24, Twp 04S, Rge 19E, B.M.
LINCOLN County

Method of Determination: GPS - GARMIN

2.

PLACE OF USE: DOMESTIC

Twp	Rge	Sec	NE				NW				SW				SE				
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Totals
04S	19E	24																X	

Method of Determination: Place of use determined by using Bing Maps satellite imagery in Arcmap and tax lot information.
Place of use appears to be in the T04S, R19E, SESE of Section 24. See attached map.

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>
D0016064	Berkely	5	?	Franklin	30 GPM

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

D. FLOW MEASUREMENTS N/A**E. FLOW CALCULATIONS**

____ Additional Computation Sheets Attached

Measured Method: Theoretical yield: $Q = \frac{8.8 \times (\text{hp}) \times \text{Eff}}{(\text{Lift}) + (\text{psi} \times 2.31)}$

$$Q = \frac{8.8 \times 5 \text{ hp} \times 0.70}{344 + (53 \times 2.31)} = \frac{30.8}{466.43} = 0.066 \text{ cfs or } \underline{0.07 \text{ cfs}}$$

7 lots $\times$ 0.5 ac/lot = 3.5 acres total allowed irrigation $\times$ 0.03 cfs per acre = 0.105 cfs or **0.11 cfs**

Domestic use in/house use for 7 lots = **0.12 cfs**

30 GPM = 0.066 cfs or 0.07 cfs

F. VOLUME CALCULATIONS

3.5 ~~2.5~~ acres of developed irrigation $\times$ 4 AF/ac = ~~10~~ ¹⁴ AF
 7 homes $\times$ ~~1.2~~ ^{1.2} AF (in-house use) = ~~8.4~~ ^{8.4} AF 4.2
 10.0 AF + 8.4 AF = ~~18.4~~ ^{14.2} AF

G. NARRATIVE/REMARKS/COMMENTS

Application for permit was submitted by Lawrence Calkins on March 12, 2001. Proof of Beneficial Use was due by May 5, 2006 and was submitted on February 13, 2006.

There are 7 lots in this subdivision; 4 of the lots are 1 acre in size and 1 is 2 acres. Approximately irrigation for the 7 lots is 2.5 acres total.

The theoretical equation shows a capacity of 0.04 cfs; 3.5 acres of irrigation would require about 0.11 cfs and the 5 hp pump produced 30 gpm according to the well drillers information.

Recommend a total diversion rate of 0.07 cfs, with the standard limit of 13,000 gpd and $\frac{1}{2}$ of irrigation per lot; and a total volume of ~~18.4~~ ^{14.2} AF.

Have conditions of permit approval been met? X Yes ____ No

H. RECOMMENDATIONS**1. Recommended Amounts**

BENEFICIAL USE	PERIOD OF USE	DIVERSION RATE	ANNUAL VOLUME
DOMESTIC	01/01 to 12/31	0.07 CFS	~~18.40~~ AF ^{14.2}
<u>Totals:</u>		0.07 CFS	~~18.40~~ AF ^{14.2}

2. Recommended Amendments

____ Change P.D. as reflected above ____ Add P.D. as reflected above X None

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

I. AUTHENTICATION

Field Examiner's Name Juan Roberto Date 5/22/2012
 Reviewer Chris Martin Date 5/29/2012

37-20383

— Magnolia Granados

— Jim Pittman

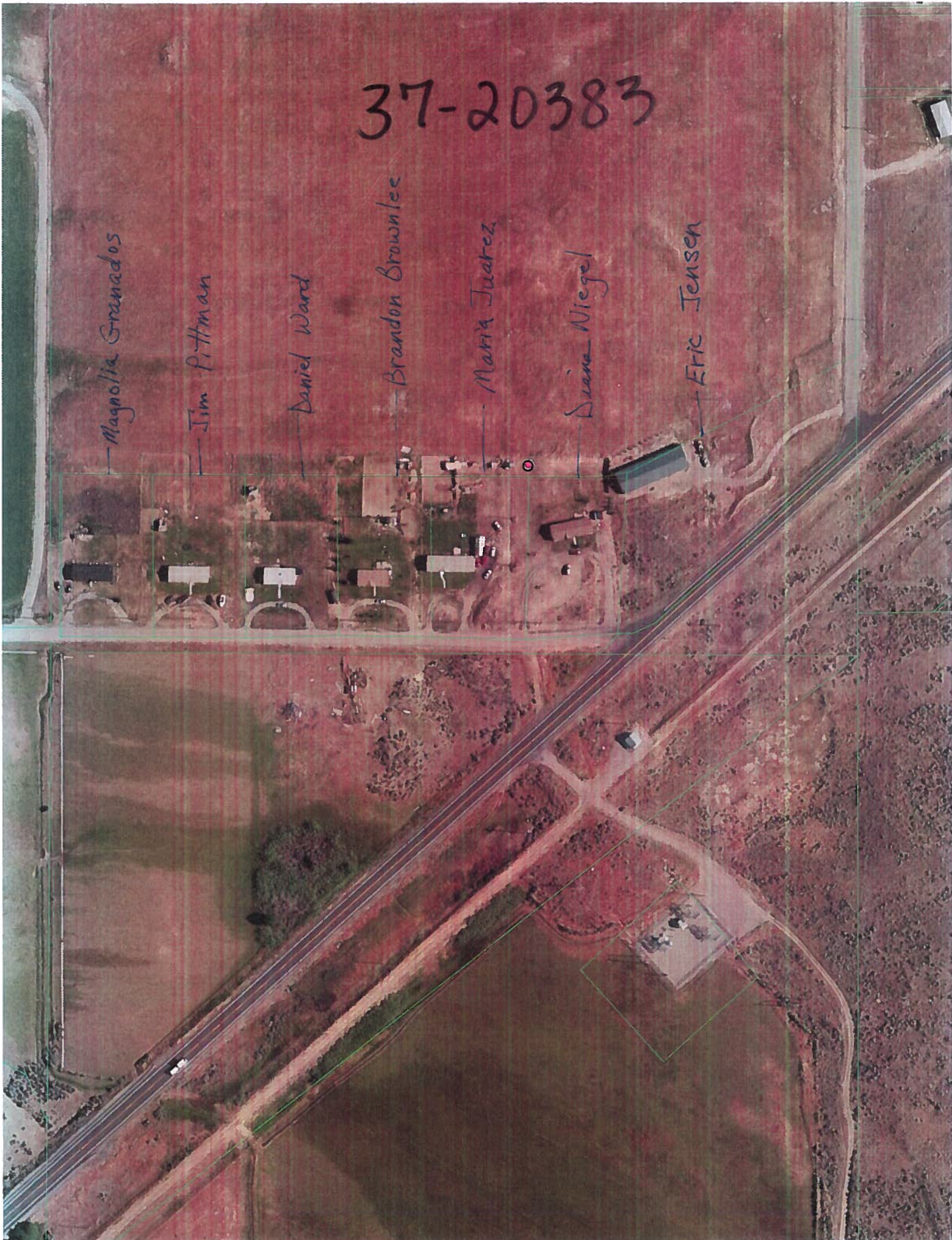
— Daniel Ward

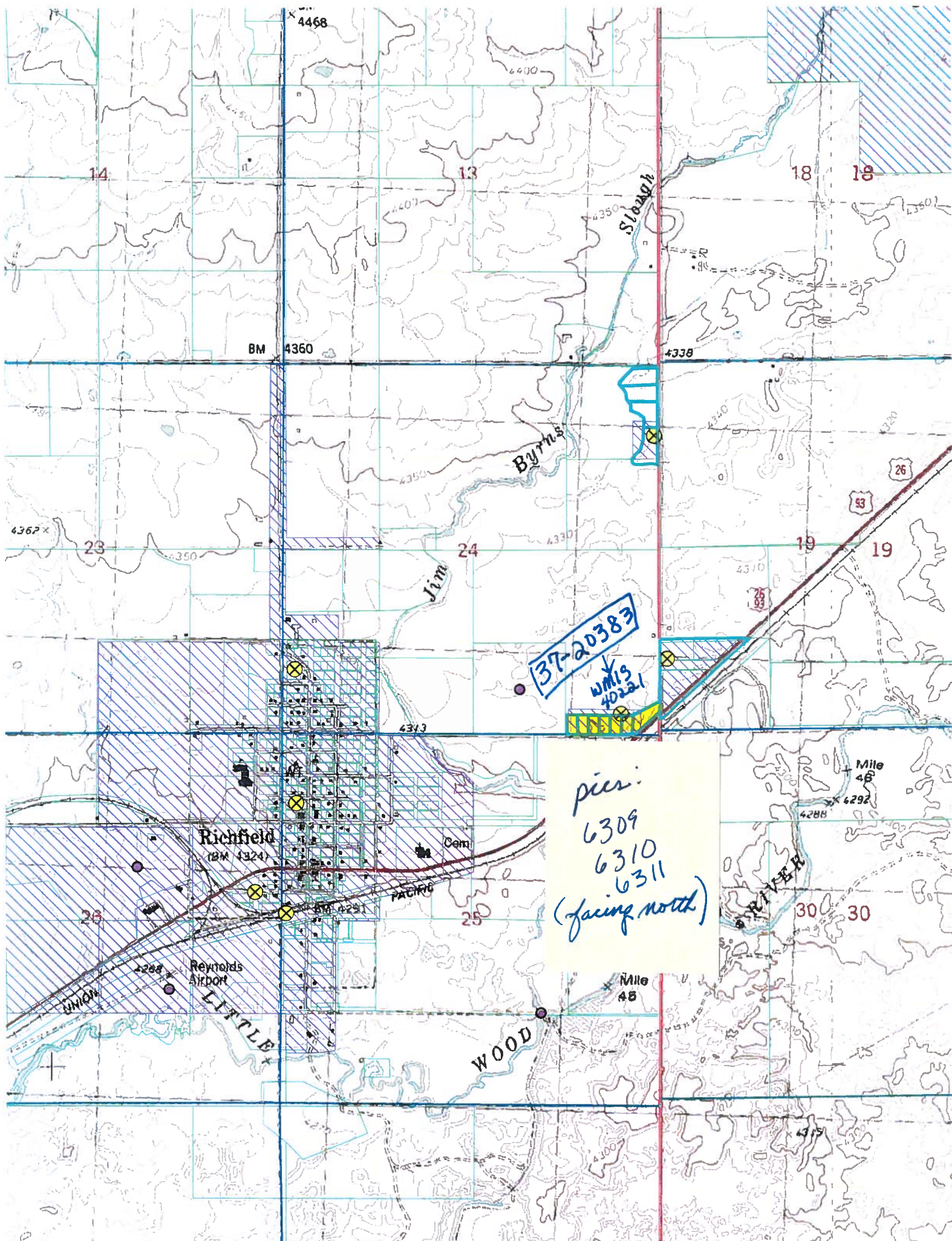
— Brandon Brownlee

— Maria Juarez

— Diana Niegel

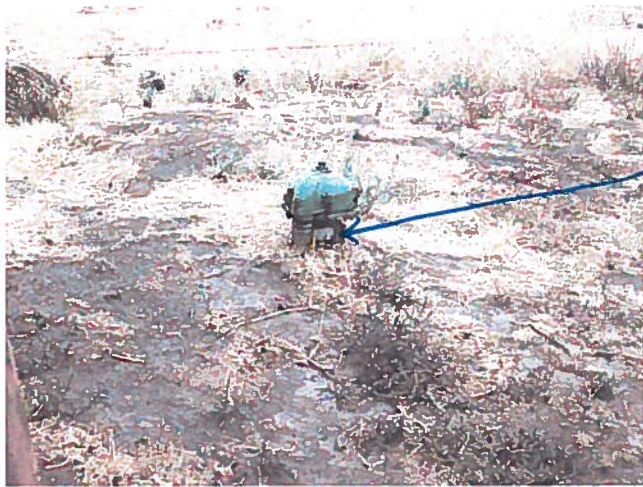
— Eric Jensen







well head



00016064

37-20383

Desert View Subdiv #1
- 7 lots -



Robertson, Jean

From: Wood River Drilling & Pump [wrdp@qwestoffice.net]
Sent: Friday, April 20, 2012 3:10 PM
To: Robertson, Jean
Subject: Re: pump questions on some wells you drilled??

Here is the information that you requested, I hope that it helps. If you need anything else please feel free to contact me.

Than you,
Joanne

Wood Rive Drilling & Pump Inc

From: [Robertson, Jean](#)
Sent: Friday, April 20, 2012 8:27 AM
To: wrdp@qwestoffice.net
Subject: FW: pump questions on some wells you drilled??

[Let's try this one!](#)

From: Robertson, Jean
Sent: Thursday, April 19, 2012 3:57 PM
To: wrdp@qwest.net
Subject: pump questions on some wells you drilled??

Hi Joann,
I'm writing up some licenses for wells your company drilled and I need a little information about the pumps for the file.
I'd appreciate it if you could send me any of the information you may have when you have some time!
Thanks, Jeanie Robertson

Tag: **D0034551**; Lawrence Calkins, Desert View Subdivision #3, (3 lots) in Dietrich – T04S, R20E Sect. 19, SWSW (3/24/2005)
Motor make and model? Sta-Rite
Pump make & model? Franklin
HP? 5
Depth? 455'
GPM? 30

Tag: **D0016196**; Lawrence Calkins, Desert View Subdivision #2, (4 lots) in Dietrich – T04S, R19E, Section 24, NENE (3/23/2001)
Motor make and model? Berkeley
Pump make & model? Franklin
HP? 5
Depth? 480'
GPM? 30

Tag: **D0016164**; Lawrence Calkins, Desert View Subdivision #1, (7 lots) in Dietrich – T04S, R19E, Section 24, SESE (2/16/2001)
Motor make and model? Berkeley

Pump make & model? Franklin

HP? 5

Depth? 420'

GPM? 30

DWR-GPS-02, E.O. 5/93

PAGE ____ OF ____

RECEIVER SERIAL NO. _____

Date	Time	GPS File Name	Well Owner	T.,R.,Sec.	Other Well Name	Comments
	12:40	D0016064	 J. T. Collins	GPS ✓	53 psi	2 pice / no house ✓ well / (cant measure)
	12:45	D0034551		GPS ✓ W. meter 1. meter (neptune) ser. # 415529	71	Gal X / DD T = 176.6 / 0
				2. meter E. meter (neptune) ser. # 41248482		pressure gage 50 psi Gal X / DD T = 196.9 / 60
	1:01	D0016196		GPS ✓ no meter		well by shed gage = 195 psi 2 lines going off well under bench
	2:10	GPS- LDS-CAREY A0017833	LDS Church			Tagged well has 00

IDAHO DEPARTMENT OF WATER RESOURCES
WELL INSPECTION FORM

7167981

1. DRILLING PERMIT NO: _____ OTHER APPLICABLE NO: 16064

2. OWNER: LAWRENCE CALKINS Phone: _____
Address: DESERT VIEW #1, RICHFIELD

3. WELL LOCATION: Twp 4S, Rge. 19E, Sec. 24, SE 1/4 SE 1/4
County LINCOLN (Provide sketch map and photo on reverse.)

4. DRILLER: 0488904 Lic. No. _____
When Drilled? 0217203

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 _____ 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: _____

8. POSSIBLE CONTAMINATION SOURCES:

Is there evidence of Chemigation? ☐ Yes ☒ No

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

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

If yes, what Type? _____

How far away from the well is this source? _____

9. REMARKS:

SAGE ROBERTSON

Signature of Dept. Representative & Title

7/6/01

Inspection Date

PHOTOS, DRAWINGS, OTHER ATTACHMENTS: