

*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: $Q = \frac{8.8 \times (\text{hp}) \times \text{Eff}}{(\text{Lift}) + (\text{psi} \times 2.31)}$

$$Q = \frac{8.8 \times 5 \text{ hp} \times 0.70}{344 + (50 \times 2.31)} = \frac{30.8}{459.5} = 0.067 \text{ cfs or } \mathbf{0.07 \text{ cfs}}$$

Domestic use in/house use for 3 lots = **0.08 cfs**

30 GPM = 0.066 cfs or **0.07 cfs**

F. VOLUME CALCULATIONS

3 homes x ~~1.2~~ AF (in-house use) = ~~3.6~~ AF ^{1.8}

G. NARRATIVE/REMARKS/COMMENTS

Application for permit was submitted by Lawrence Calkins on November 19, 2004. Proof of Beneficial Use was due by February 1, 2010 and was submitted on February 18, 2010. Permit was voided on June 10, 2010 and then reinstated on July 13, 2010.

There are 3 lots in this subdivision; this right is for in-house use only.

The theoretical equation shows a capacity of 0.07 cfs; the 5 hp pump produced 30 gpm according to the well drillers information.

Recommend a total combined diversion rate of 0.07 cfs and combined volume of ~~9.6~~ AF when combined with 37-22596, with the standard limit of 13,000 gpd; and a volume of ~~3.6~~ AF. ^{7.8}

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	01/01 to 12/31	0.070 CFS	~~3.6~~ AF ^{1.8}
<u>Totals:</u>		0.070 CFS	~~3.6~~ AF ^{1.8}

2. Recommended Amendments

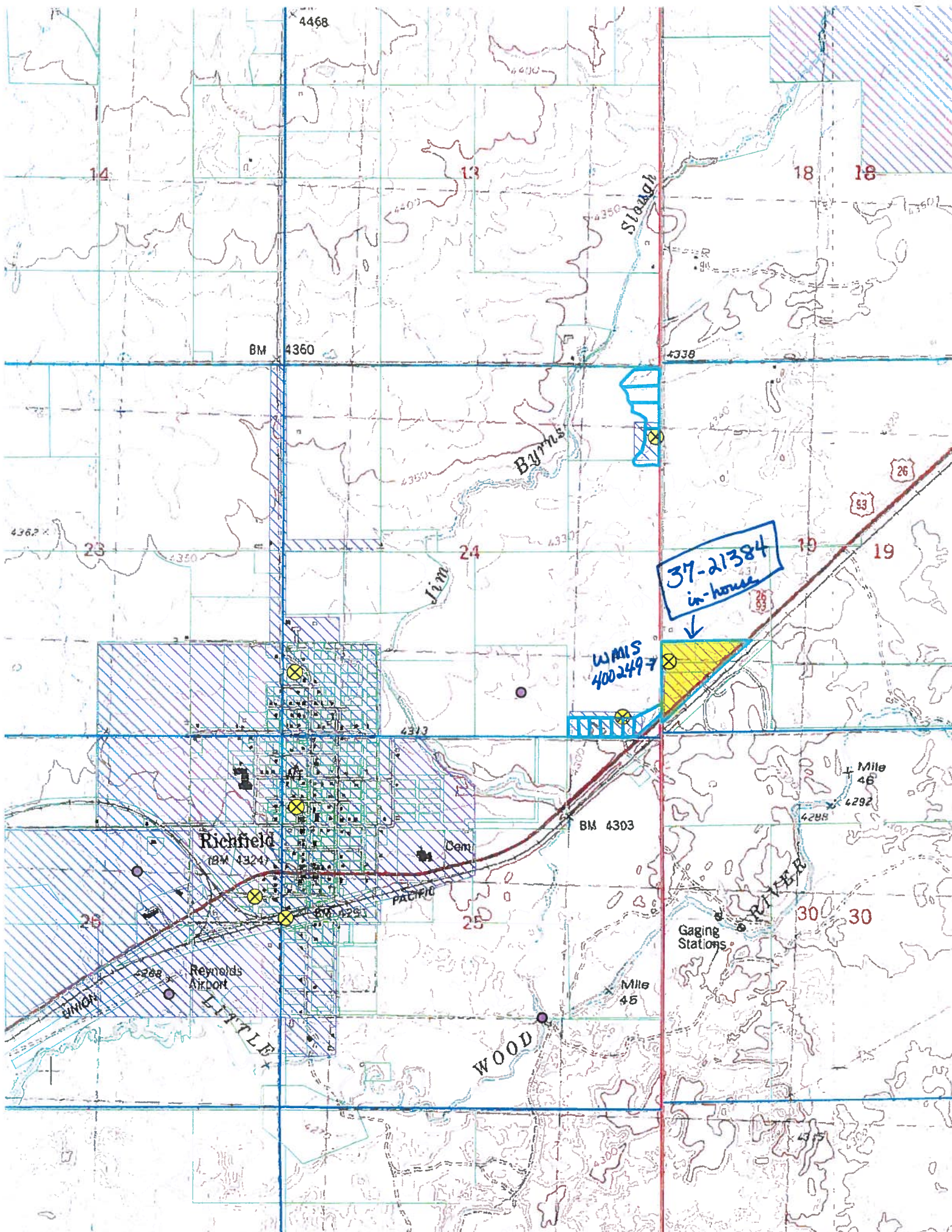
____ Change P.D. as reflected above ____ Add P.D. as reflected above ☒ None

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

I. AUTHENTICATION

Field Examiner's Name Jeanie Robertson Date May 22, 2012

Reviewer [Signature] Date 5/29/2012



37-21384
in-house

WMS
400249

Richfield
(BM 4324)

Reynolds
Airport

WOOD

Gaging
Stations

Mile
46

BM 4303

PACIFIC

Mile
46

30 30

19 19

18 18

24

23

13

14

4468

BM 4360

4338

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Enrique/contact

cell phone

(208) 329-4410

pics:

6312

6313

6314

6315

(facing east)

WMIS point: 400249

Desert View Sub. #3

(3 lots)

measurement raised (5)

37-21384 (D)

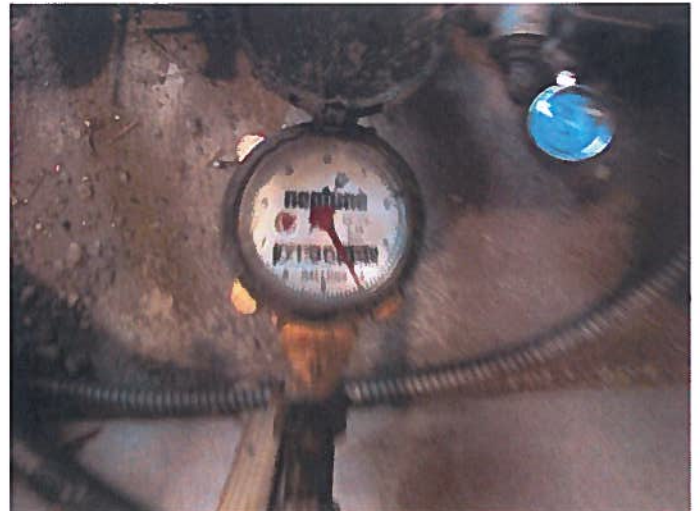
37-22596 (I)



D0034551

37-21384
(in-house)

Desert View Subdiv #3
- 3 lots -



no tax lot
info

no tax lot
info

Enrique Becali

37-21384

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

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

1. WELL TAG NO. D0034551
 DRILLING PERMIT NO. 37 - 21348
 Other IDWR No. Permit#831068

2. OWNER:

Name Calkins Lawrence
Address 870 N 1250 E
City Richfield State ID Zip 83349

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written locallon.

N
 Twp. 04 North ☐ or South ☒
 Rgs. 20 East ☒ or West ☐
 Sec. 19 1/4 SW 1/4 SW 1/4
 Gov't Lot _____
 County Lincoln
 Lat: : : Long: : :

Address of Well Site 1 Mile North &
1/4 West From Richfield City Richfield
(Give at least name of road + Distance to Road or Landmark)
Government Lot
Lt. 4 Blk. Sub. Name

4. USE:

☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

5. TYPE OF WORK check all that apply

(Replacement etc.)

☒ New Well ☐ Modify ☐ Abandonment ☐ Other

6. DRILL METHOD

☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other

7. SEALING PROCEDURES

SEAL/FILTER PACK			AMOUNT	METHOD
Material	From	To	Sacks or Pounds	
Bentonite	0	19	14Sks	Overbore

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s) _____
Was drive shoe seal tested? ☐ Y ☐ N How? _____

B. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	+1 1/2	20	250	Steel	X	☐	X	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS

Perforations _____ Method _____
Screens _____ Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

344 ft. below ground Artesian pressure _____ lb.
Depth flow encountered _____ ft. Describe access port or
control devices: _____

11. WELL TESTS:

☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
20			1 hour

Water Temp. _____ Bottom hole temp. _____

Water Quality test or comments:

Depth first Water Encounter

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
10	0	5	Top Soil		X
10	5	19	Gray Lava		X
6	19	43	Black Lava		X
6	43	46	Creavice		X
6	46	58	Red Sand		X
6	58	72	Black Lava		X
6	72	80	Brown Clay		X
6	80	90	Black Lava		X
6	90	460	No Returns		X
6	90	93	Soft		X
6	93	100	Hard		X
6	100	120	Med Hard		X
6	120	125	Black Lava		X
6	125	130	Soft		X
6	130	160	Med Hard		X
6	160	163	Crevice		X
6	163	178	Med Hard		X
6	178	183	Creavice		X
6	183	200	Med Hard		X
6	200	240	Med Soft		X
6	240	297	Med Hard		X
6	297	303	Soft		X
6	303	312	Med Hard		X
6	312	319	Soft		X
6	319	400	Med Hard	X	
6	400	405	Med Soft	X	
6	405	410	Creavice	X	
6	410	418	Med Soft	X	
6	418	422	Creavice	X	
6	422	434	Med Soft	X	
6	434	440	Med Hard	X	
6	440	442	Soft	X	
			Continued		

RECEIVED

APR 12 2005

Department of Water Resources
Southern Region

Completed Depth 460' (Measurable)
Date: Started 03-21-05 Completed 03-24-05

13. DRILLER'S CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Wood River Drilling Firm No. 265

Firm Official Ken Smith Date 04-11-05

and
Driller or Operator: RONALD L. S. [Signature] Date

(Sign once if Firm Official & Operator)

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Inspected by _____
Twp _____ Rge _____ Sec _____
_____ 1/4 _____ 1/4 _____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D-0034551
 DRILLING PERMIT NO. - - - 37 - 21384
 Other IDWR No. _____

2. OWNER:

Name Calkins Lawrence
Address 870 N 1250 E
City Richfield State ID Zip 83349

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.


 Twp. 04 North ☐ or South ☒
 Rge. 20 East ☒ or West ☐
 Sec. 19 1/4 SW 1/4 SW 1/4
 Gov't Lot _____
 County Lincoln
 Lat: : : Long: : :

Address of Well Site

City _____

(Give at least name of road + Distance to Road or Landmark)

LI.	Blk.	Sub.	Name
-----	------	------	------

4. USE:

☐ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

5. TYPE OF WORK check all that apply (Replacement etc.)

☒ New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD

☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other

7. SEALING PROCEDURES

SEA/FILTER PACK			AMOUNT	METHOD
Material	From	To	Sacks or Pounds	

Was drive shoe used? ☐ Y ☐ N Shoe Depth(s) _____

Was drive shoe seal tested? ☐ Y ☐ N How? _____

B. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS

Perforations _____ Method _____
Screens _____ Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

Depth _____ ft. below ground Artesian pressure _____ lb.
 Depth flow encountered _____ ft. Describe access port or
 control devices: _____

11. WELL TESTS:

☐ Pump ☐ Bailer ☐ Air ☒ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. _____ Bottom hole temp. _____

Water Quality test or comments: _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment) water

[illegible]

RECEIVED
APR 12 2005
Department of Water Resources
Southern Region

Completed Depth 460' (Measurable)

Date: Started 03-21-05 Completed 03-24-05

13. DRILLER'S CERTIFICATION

1/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Wood River Drilling Firm No. 265

Firm Official Ken Smith & Pump, Inc. Date 04-11-05

and
Driller or Operator POONCE, Lawrence Date _____

(Sign once if Firm Official & Operator)

Entered M

Field Inspection Report

Permit No. 831068

Metal Tag No. D0034551,

Well ID # 401669

Relationship: Owner/Operator

Name: LAWRENCE L CALKINS Phone: (208) 487-3212

Address: 870 N 1250 E
RICHFIELD ID 83349

Well Location: Township 04S, Range 20E, Section 19, SW, SW
COUNTY LINCOLN Sub Name GOVT LOT 11

Address of Well Site: ~~1/4 MILE NORTH AND 1/4 MILE WEST FROM RICHFIELD~~
~~RICHFIELD ID~~

Use of Well: Domestic

Activity: New Well

Application Type: Drilling Permit

Region: Southern

Construction Method: Air Rotary,

Const Start Date: Mar 17 2005 Const End Date:

Well Drilling Company: WOOD RIVER DRILLING & PUMP INC (No. 265)

Card Hold Name:

Certifying Official:

Date Received:

Date Approved: Mar 14 2005

Date Inspected:

Completed Depth:

Primary Flow Depth:

Head Pipe Length:

Closed in Pressure:

Control Device Desc:

Access Port Desc:

Drilled Depth: 420 FT Surface Diameter: 6 inches

Overall Temp: Static Water Level:

Tail Pipe Length Production Rate:

Bottom Hole Temp: Low Temp Geothermal: NO

7/8 mile W. of Hwy 26/93
on 1350E Rich

Permit No. 831068

Corrections:

Owner: _____ Address: _____ City: _____ State: _____
Phone: () _____ Legal _____ County: _____ City: _____
Well Address: _____ City: _____
Subd. Name: _____ Lot: _____ Blk: _____ GPS Lat: _____ N Long: _____ W
Casing: 124 Good
Well Seal: Bentonite
Pitless: NA
Sanitary Seal: NA
Septic or other contamination sources location: Not installed

Owner/Driller present: Driller
Remarks: Actively Drilling @ 120' going to 460'

GPS 2489035 / 1317434 03/23/05

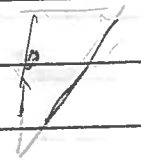
336

DWR-GPS-02, Ed. 3/93

NAME: _____

PROJECT: _____

RECEIVER SERIAL NO. _____

Date	Time	GPS File Name	Well Owner	T.,R.,Sec.	Other Well Name	Comments
	12:40	D0016064		GPS ✓	53 psi	2 pie / one house / well / (cont measure)
	12:45	D0034551		GPS ✓ W. meter 1. meter (negative)	ser. # 415529-71	Gal X / DD T = 176.6 / 10. pressure gauge 50 psi
				2. meter E. meter negative	ser. # 41248482	Gal X / DD T = 196.9 / 60 well by shed
	1:01	D00116196		GPS ✓ - no meter -		gauge = 195 psi 2 lines going off well under bench
	2:10	GPS- LBS-CAREY A0017833	LBS Church			tagged well / hand 00

MEMORANDUM

DATE: June 10, 2010

TO: Water Right File 37-21384

FROM: Shelley W. Keen *SWK*

RE: Conversation with Lawrence Calkins

Yesterday Lawrence Calkins telephoned in response to my order voiding Permit 37-21384. Mr. Calkins wanted to know what could be done to save his permit. He admitted that he had not mitigated as required, but he still hoped to retain the permit.

After some discussion, I agreed that if he would petition for reconsideration of the order and indicate in writing that he would use the right for in-house use only, I would see if the permit could be reinstated. The proposed solution does not absolve Mr. Calkins from having irrigated lawns in connection with the permit without mitigating. However, it does remove the need for mitigation in the future, and it maintains a water right for the in-house use in this small subdivision.