

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 37-20382

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: 1-6, 37-867, 37-870, 37-872 (Big Wood Canal Co)
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

SE1/4NE1/4NE1/4

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, NENE 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</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>
D0016196__	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: $Q = \frac{8.8 \times (\text{hp}) \times \text{Eff}}{H (\text{Lift}) + (\text{psi} \times 2.31)}$

$$Q = \frac{8.8 \times 5 \text{ hp} \times 0.70}{384 + (195 \times 2.31)} = \frac{30.8}{834.45} = 0.036 \text{ cfs or } \mathbf{0.04 \text{ cfs}}$$

4 lots X 0.5 ac/lot = 2 acres total allowed irrigation X 0.03 cfs per acre = **0.06 cfs**Domestic use in/house use for 4 homes = **0.1 cfs**30 GPM = 0.066 cfs or **0.07 cfs****F. VOLUME CALCULATIONS:**

2 acres irrigation x 4 AF/af = 8.0 AF

4 homes X ^{0.6}1.2 AF (in-house use) = ~~4.8 AF~~ **2.4**8. AF + 4.8 AF = ~~12.8 AF~~ **10.4****G. NARRATIVE/REMARKS/COMMENTS**

Application for permit was submitted by Lawrence Calkins on May 1, 2001. Proof of Beneficial Use was due by May 1, 2002 and was submitted on April 5, 2002.

There are 4 lots in this subdivision ranging from 2.4 to 3.1 acres in size. All have small lawn areas of less than ½ acre.

The theoretical equation shows a capacity of 0.04 cfs; 2 acres of irrigation would require about 0.06 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 ½ of irrigation per lot; and a total volume of ~~12.8 AF~~ **10.4**

Have conditions of permit approval been met? ☒ Yes ☐ No**H. RECOMMENDATIONS****1. Recommended Amounts**

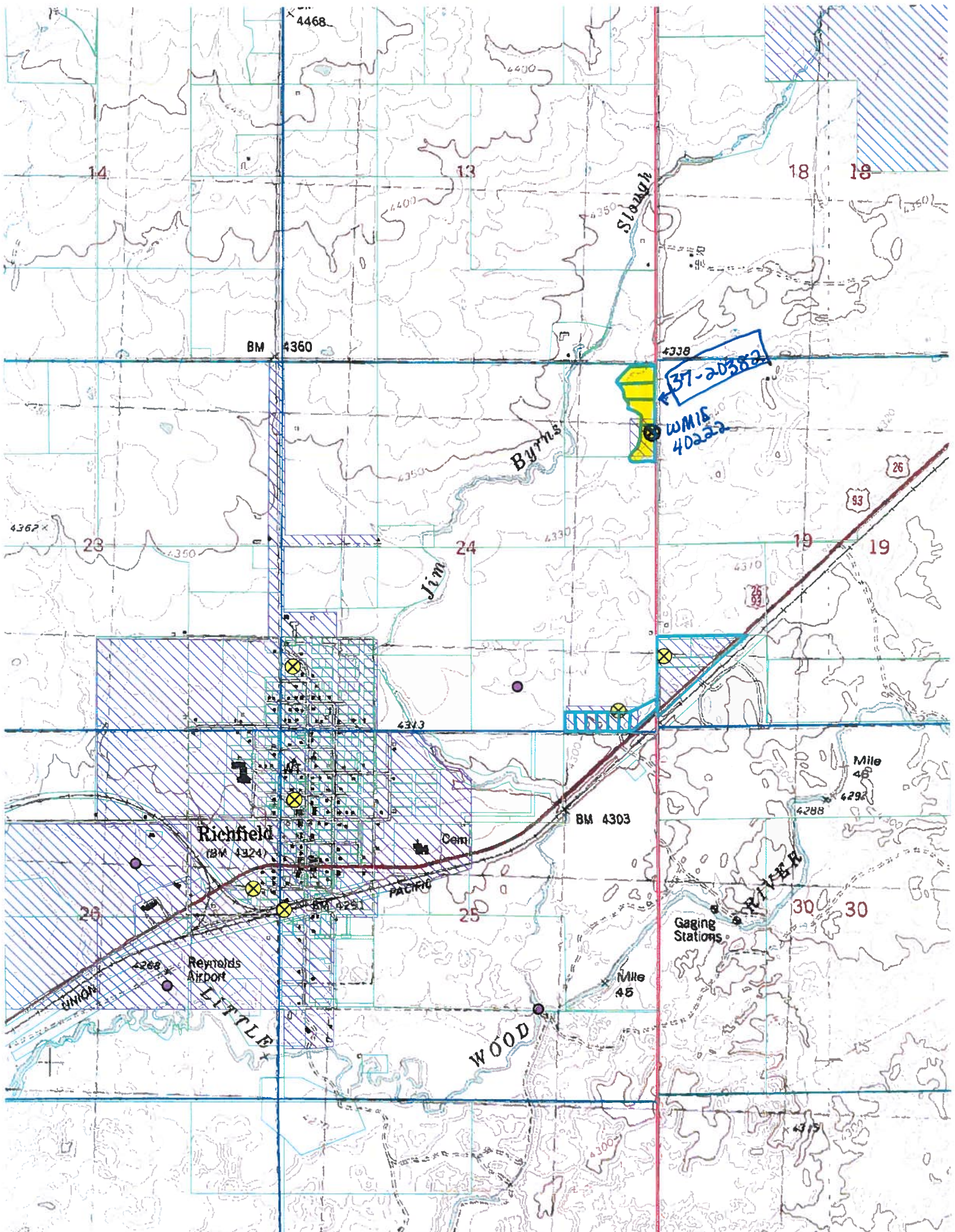
<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
DOMESTIC	01/01 to 12/31	0.070 CFS	~~12.80 AF~~ 10.4
Totals:		0.070 CFS	~~12.80 AF~~ 10.4

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. AUTHENTICATIONField Examiner's Name Jana Robertson Date May 22, 2012Reviewer John D. Morris Date 5/29/2012





pics:
6401
6402
6403
(facing west)

D0016196



37-20382

Desert View Subdiv. #2
- 4 lots -

37-20382

Nick Branch
Lot 1

Cassie Saras
Lot 2

Guadalupe Granados
Lot 3
(permit) →

Jose Bedolla
Lot 4

WMIS point: 400222

Desert View Sub. #2
(4 lots)

measurement waived (5)

37-20382

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, Ed. 3/93

PAGE _____ OF _____

RECEIVER SERIAL NO. _____

Date	Time	GPS File Name	Well Owner	T.,R.,Sec.	Other Well Name	Comments
	12:40	D0016064	 P. T. Colkins	GPS ✓	53 psi	2 pipes for house & well / (cant measure)
	12 4~	D0034551		GPS ✓ W. meter 1. meter (nephew) ser. # 415529-71		Gal X / DD T= 176.6 / 10 pressure gage 50 psi
				2. meter E. meter ser. # 41248482		Gal X / DD T= 196.9 / 60 well by shed ?
	1:01	D00 9		GPS ✓ - no meter -		gage = 195 psi 2 lines going to well under bench
	2:10	GPS- LBS- A0017833	L S Church			tagged well hand 00

FORWARD WHITE COPY TO WATER RESOURCES

AGREEMENT

This agreement is for Lawrence Calkins of 870 N. 1250 E., Richfield, Idaho 83349.

Mr. Lawrence Calkins agrees to use the wells drilled under permits 767952 and 767981 for single domestic use until water rights have been approved by the Department of Water Resources.

At the time the water rights have been approved, the Department of Water Resources will allow Mr. Calkins to use the wells as approved by the water rights provided the wells meet Health Department and Department of Water Resources approved requirements. Please see conditions of Well Construction approved conditions on well construction permit.

Applicants Signature: _____

Date: _____

RECEIVED

MAR 15 2001

Department of Water Resources
Southern Region

IDAHO DEPARTMENT OF WATER RESOURCES



WELL INSPECTION FORM

747952

1. DRILLING PERMIT NO: _____ OTHER APPLICABLE NO: 16196

2. OWNER: CALKINS, LAWRENCE Phone: _____
Address: 870 N. 1250 E.

3. WELL LOCATION: Twp 11 S, Rge. 19 E, Sec. 24, NE 1/4 NE
County _____ (Provide sketch map and photo on reverse.)

4. DRILLER: 0489053 Lic. No. _____
When Drilled? 0218401

5. WELL CONSTRUCTION:

Casing Diameter 6 inches Water tight cap? ☒ Yes ☐ No Access Port: ☒ Yes ☐ No
Casing > 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:

Sgt ROBERTSON

Signature of Dept. Representative & Title

6/11/01

Inspection Date

PHOTOS, DRAWINGS, OTHER ATTACHMENTS:

DECLARATION OF COVENANTS, CONDITIONS, AND RESTRICTIONS FOR DESERT VIEW SUBDIVISIONS I & II

Lawrence L. Calkins and Sandra L. Calkins, husband and wife, hereinafter sometimes referred to as the "Declarants", being the owners in fee simple of real property located in Lincoln County, Idaho, more particularly described on Exhibit "A" and Exhibit "B" attached hereto, which real property has also been described as Desert View Subdivisions I and II, according to the official plat of said subdivisions now of record with the Lincoln County, Idaho, recorder, do hereby declare that all of the real property described in this paragraph shall be held sold and conveyed subject to the conditions, restrictions and covenants hereafter contained, which shall be regarded in every instance as covenants running with the land, binding upon all parties having any right, title or interest in said real property and further binding upon the heirs, successors and assigns of each party and also inuring to the benefit of each owner and their respective heirs, successors and assigns. The Declarants state that these covenants, restrictions and conditions are imposed for the purpose of protecting and enhancing the value and desirability of the real property for residential purposes.

1. **Use of Real Property:** No lot shall be used for any purpose except for the establishment of a single-family residence consistent with these Covenants, Conditions and Restrictions. No lot shall be used in any manner which violates any provision of the zoning ordinance or other land use regulatory ordinance, rule, policy, statute or decision of the County of Lincoln, State of Idaho, or United States of America, or any agency, commission, department or tribunal thereof, to the extent jurisdiction extends to the real property above described.

2. **Easements:** All easements appearing on the recorded plat of the subdivision shall remain intact, and no structure, planting or other material shall be placed or permitted to remain in place which may damage or interfere with the use of the easements. No activity shall be permitted which will cause a change in the direction or flow of irrigation water, on or below the surface. Each lot owner shall be responsible for the care of the surface of any easement located within the boundaries of a lot.

3. **Structures:** No structures of any kind or sort shall be permitted on any lot except for one single-family residence located on a permanent foundation, with at least 1000 square feet of living space. Buildings will be constructed of good quality materials. No single-wide manufactured homes will be permitted. In addition to the residential structure, a garage for the storage of passenger motor vehicles, either attached to or detached from the residential structure, shall be permitted, and one (1) additional accessory structure consisting of a barn, storage shed, or similar structure shall be permitted on each lot. Fences shall not be considered structures and shall be permitted. No other structures shall be permitted on any lot.

Grant of Easement and Well Agreement

Well Address: 838 North 1350 East
Richfield, Idaho 83349

This agreement made and entered into this ____ day of _____, by and between _____ (hereinafter referred to as Grantees) and Lawrence L. Calkins and Sandra L. Calkins, 150 East Ada Avenue, Richfield, Idaho 83349 (hereinafter referred to as Grantors).

Whereas, Grantees are the owners (or will be the owners) of the following: _____ located in Lincoln County, Idaho, and,

Whereas, Grantors are the owners of the following: 838 North 1350 East, Richfield, Idaho 83349, and

Whereas, Grantors have drilled a domestic well in the following: 838 North 1350 East, Richfield, Lincoln County, Idaho and,
Whereas, Grantors desire to grant to Grantees an easement across Grantor's property for the community use of the domestic well and accessories thereto located on the Grantor's property, together with a non-exclusive ingress easement to repair, inspect, or maintain said well, pump, and related facilities thereto and for pipelines which carry water from the well to Grantee's property across Grantor's property. Each Grantee also agrees to easement on their property for the above purposes.

Now, therefore, in consideration of Ten Dollars (\$10.00) in hand paid, and for other good and valuable consideration, and on the mutual covenants and promises herein contained the parties agree as follows:

1. Grantors hereby grant unto Grantees a perpetual right and easement across Grantor's property for the purposes as set for the above.
2. Grantors agree to pay 1/3rd of the cost of the repair, maintenance and operation, including replacement of the pump, well, and water system. This payment shall only begin once Grantors, or their successors have constructed a house and connected to said well, until such time, Grantees shall pay their portion of all costs of repair, maintenance and operation.
3. Use of water shall be for domestic purposes, including the watering of lawn and garden, not to exceed one-half (1/2) acre.
4. The parties further agree that only three (3) houses will be allowed to hook up to the well. Grantor and each grantee will be allowed to hook up one house and appurtenances.