

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 37-8900

Exam Date: May 9, 2012

1. Current Owner: SAGE SPRINGS HOMEOWNERS ASSN INC
PO BOX 254
Ketchum ID 83340

2. Accompanied by: Carol Pintler of Nichols Property Management Co. (main contact is Karl Nichols)

Email: karl@nichols-property.com

Phone No: 726-4565

Address: PO Box 254 Second Ave S Ketchum 83340

Relationship to Permit Holder: Management company

3. **SOURCE**

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 37-8673
2. Other water rights with the same point of diversion: 37-8673

C. DIVERSION AND DELIVERY SYSTEM1. **LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER NW1/4NE1/4 Sec. 19, Twp 02N, Rge 18E, B.M. BLAINE County
GROUND WATER NW1/4NE1/4 Sec. 19, Twp 02N, Rge 18E, B.M. BLAINE County

Method of Determination: GPS

2.

PLACE OF USE: DOMESTIC AND FIRE PROTECTION

Twp Rge Sec	NE				NW				SW				SE				Totals
	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	
02N 17E 24	X																
02N 18E 19		X			X	X		X									
						L 1											

Method of Determination: Subdivision Plat

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>
A0018777		40	(different pump that was installed at field exam for 37-8673)		
A0018530	Franklin Electric	30	2366169020		

*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
N/A—a physical measurement was not possible, the system kicks on when the demand requires it. There is an in-line McCrometer flow meter in place that showed a diversion rate of 70 gpm, but the system was not running at its full capacity.

2. Measurements: NA

E. FLOW CALCULATIONS

___Y___ Additional Computation Sheets Attached

Measured Method: I conducted a hp equation estimate for both wells. The first well was examined in 1993 where a diversion rate of 0.76 cfs was confirmed. However, since then, a new pump was installed.

Well #1 (as identified in the system diagram) has a TDH = 311' based on the following parameters:

Depth to water: Well report shows that the well is complete to 120' and is cased to 119'. The casing is perforated from 80 to 110' where it appears there is a water bearing zone. The depth to water that I used for the equation is 80'.

hp: The horsepower on this pump is 40 (this pumps is primarily used for fire protection)

PSI: the psi gauge read 100

$$8.8 \times 0.7 \times 40/80 + (2.31 \times 100) = 246.4/311 = \mathbf{0.79 \text{ cfs}}$$

Well #2 (as identified in the system diagram) has a TDH = 321' based on the following parameters:

Depth to water: Well report shows that the well is completed to 90' and is cased the entire length. Unfortunately a well driller's report is not filed with the department so I have to guess at the depth.

hp: 30 hp pump (this well is used primarily for the domestic use)

PSI: I will use 100 as above

$$8.8 \times 0.7 \times 30/90 + (2.31 \times 100) = 184.8/321 = \mathbf{0.58 \text{ cfs}}$$

Total capacity of the system is 1.37 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: NA

2. Volume Calculations for Other Uses: This permit was limited to 13,000 gpd/home. However, right 37-8673 includes a condition that limits both rights to 24.0 af when combined. A volume of 24.0 af will be placed on the domestic component of this right and the combined limit condition will carry to this license.

$$\mathbf{20 \text{ homes} \times 1.2 \text{ af} = 24.0 \text{ af}}$$

G. NARRATIVE/REMARKS/COMMENTS

Physical address to the well house: 250 Croy Creek, Hailey--Sage Springs Sub Parcel E
 Each well was drilled in 1990. At the time of the field exam for 37-8673, it's unclear why only one well was recommended for licensure. However, in 2000, the second well was added to 37-8673 through a transfer. I found that license 37-8673 was based on the well that is now known as well #1.

The place of use consists of 20 homes that are limited to the irrigation of ½ acre each per the subdivision CC&Rs. There is no surface water available.

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	0.200 CFS	24.0 af
FIRE PROTECTION	1/01 to 12/31	0.600 CFS	NA
* Totals:		0.600 CFS	

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 Chris Palmer Date 5/23/12

Reviewer _____ Date _____

Attachments:

- #1 overlap analysis
- #2 Proof Report for 37-8673
- #3 Well drillers report for well #1, well proof reports for wells #1 + 2. (3 pages)
- #4 Submittal of right holder to Upper Wood River WMD (3 pages)

37-8673 + 37-8900 will be additive - ($0.6 \text{ cfs} + 0.6 \text{ cfs} = 1.20 \text{ cfs}$)

The total amount authorized for fire protection is 1.20 cfs

and the total amount for domestic will be 0.40 cfs.

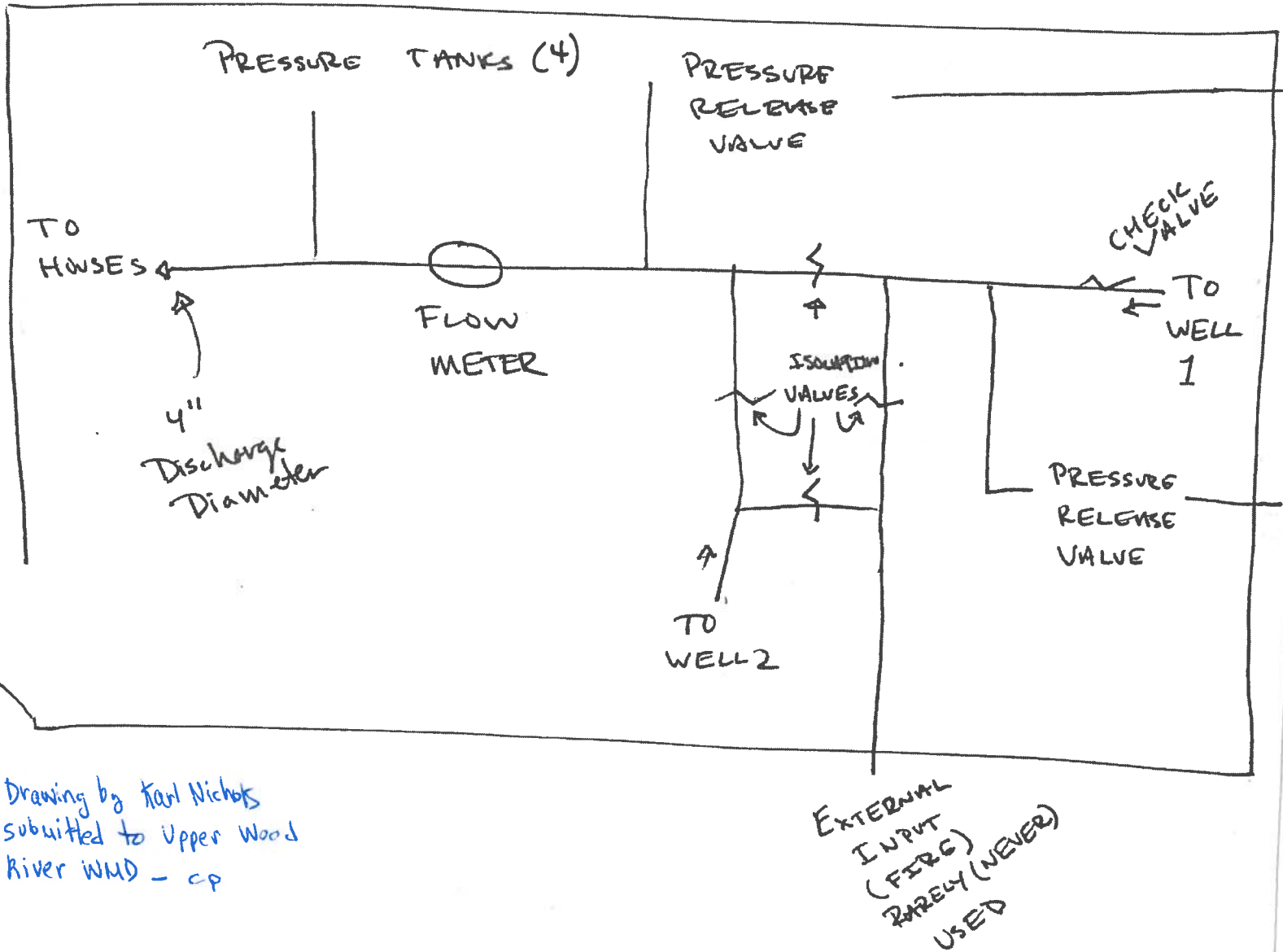
In-home requirement pursuant to App. Processing Memo #22 for 20 homes = 0.20 cfs

Irrigation requirement for 10 acres (lawns) - $10 \text{ acres} \times 0.02 = 0.20 \text{ cfs}$

total requirement = 0.40 cfs

System Diagram Inside the well house:

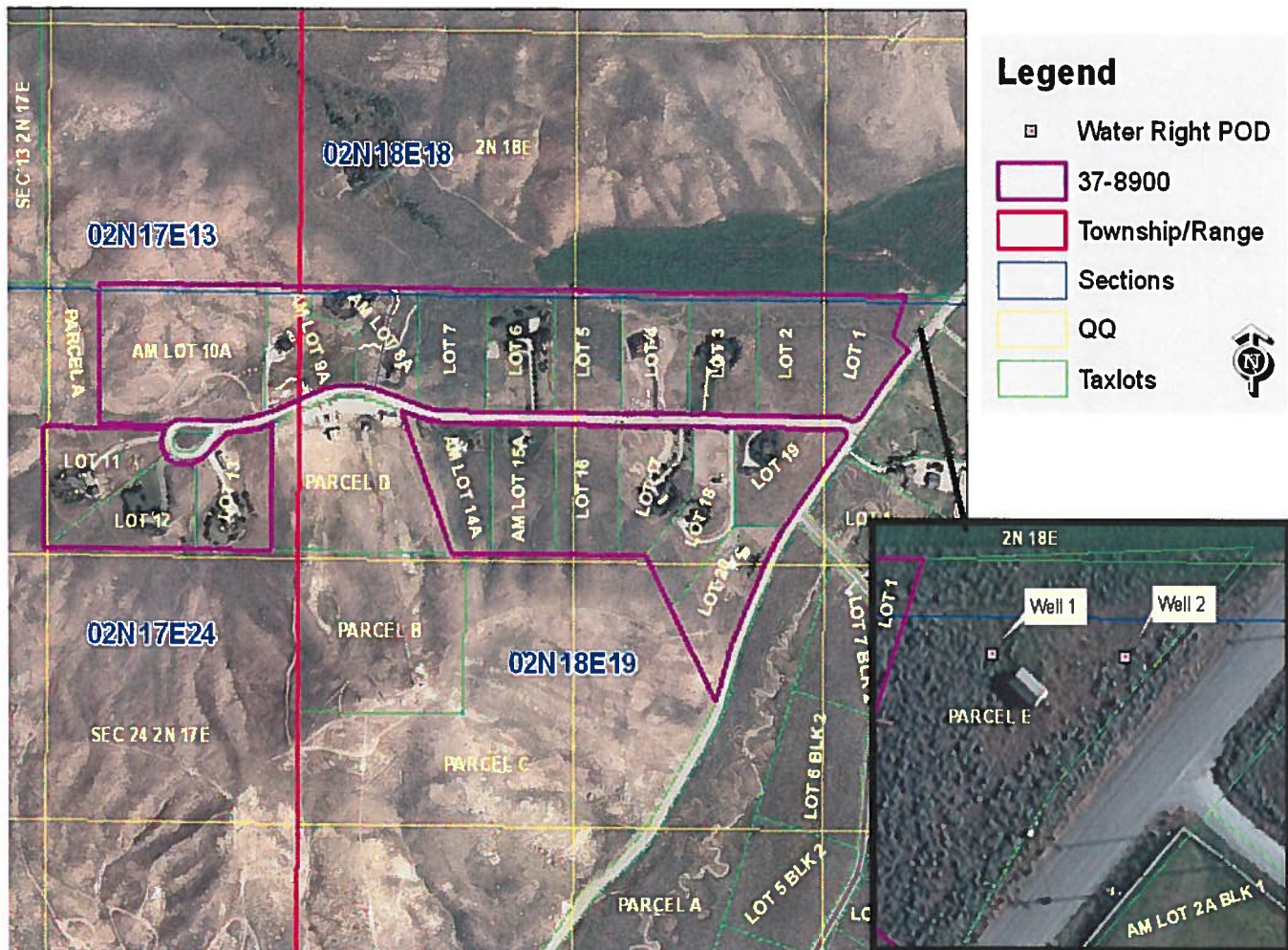
SAGE SPRINGS



Drawing by Karl Nichols
submitted to Upper Wood
River WMD - cp

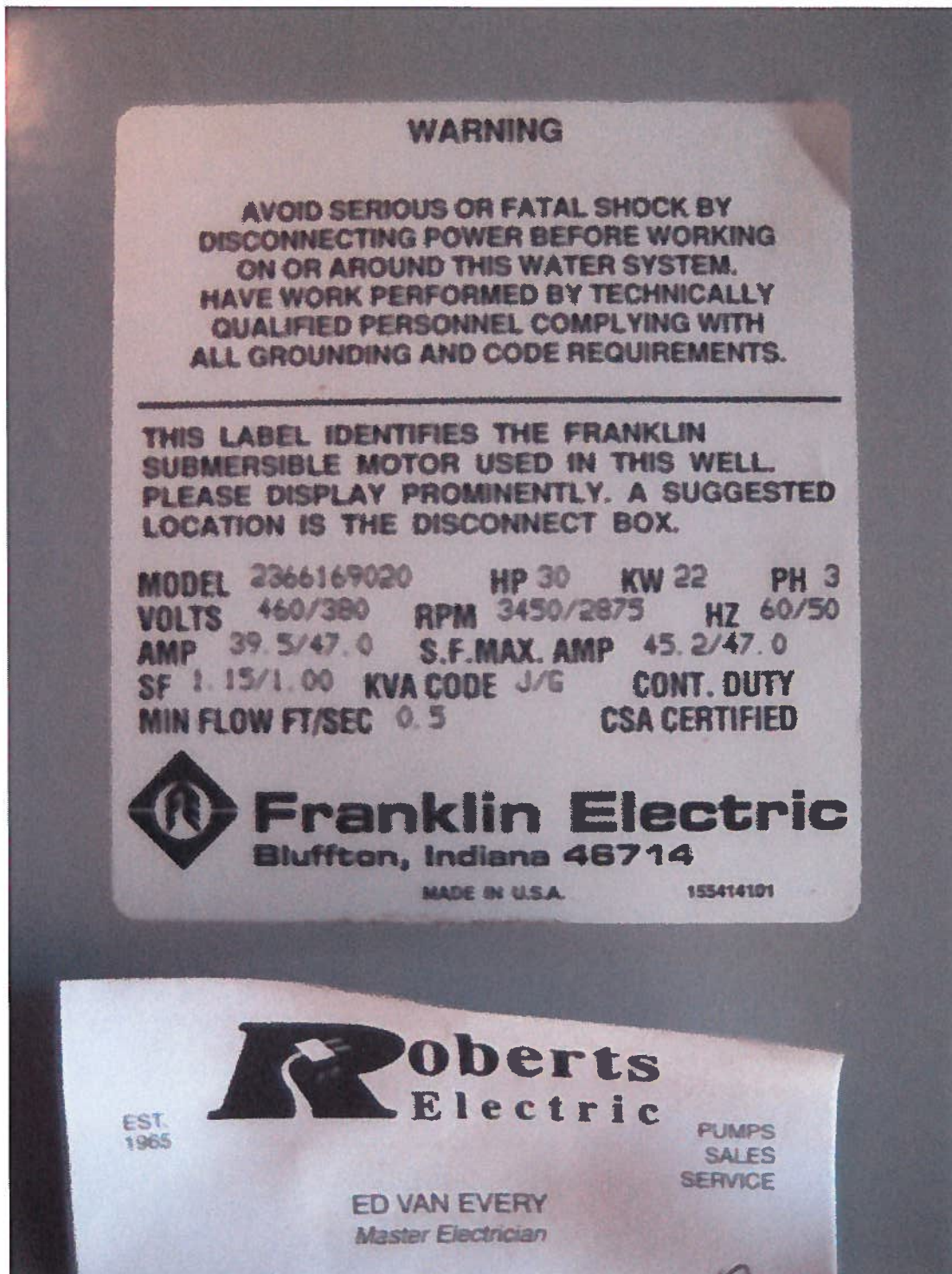
Map/Aerial Imagery

Field Examination Map for 37-8900



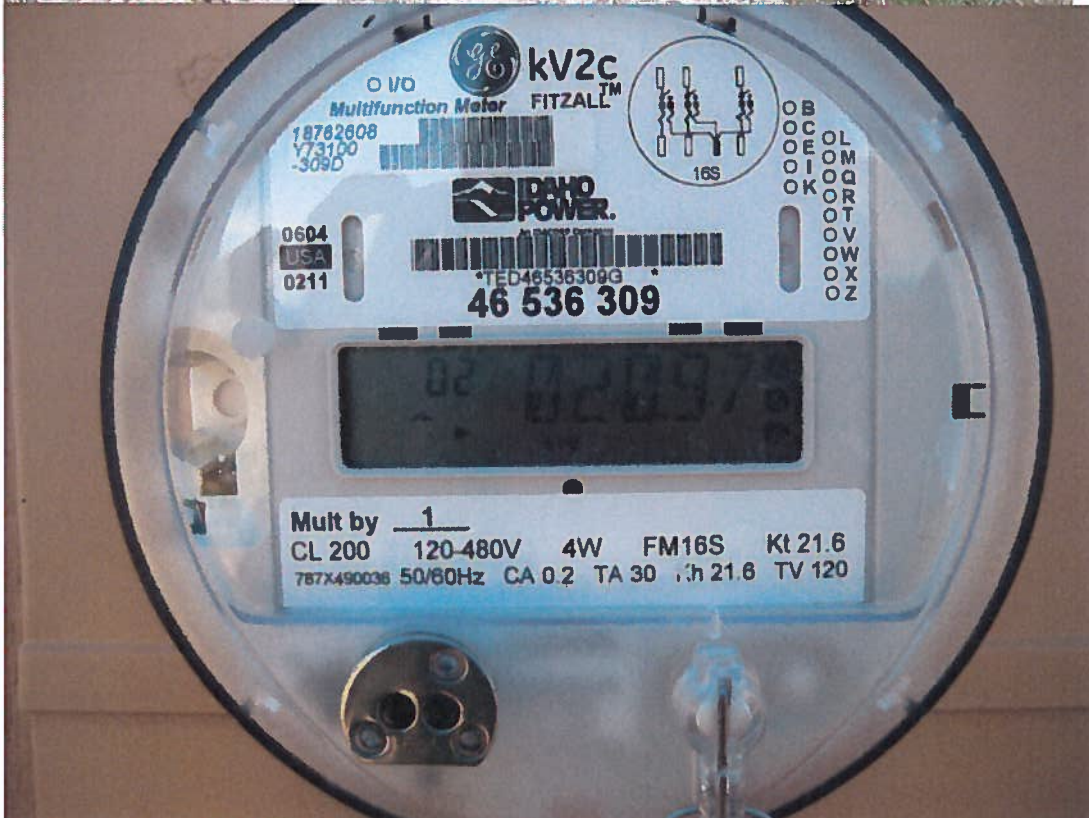
Photos

Panel inside
the well
house





well house
looking NW





Facing SE at
the back of the
well house



Well used
primarily for
fire protection
tag #
A0018777



Look at primary
well (domestic)
looking NE



Tag # A0018530

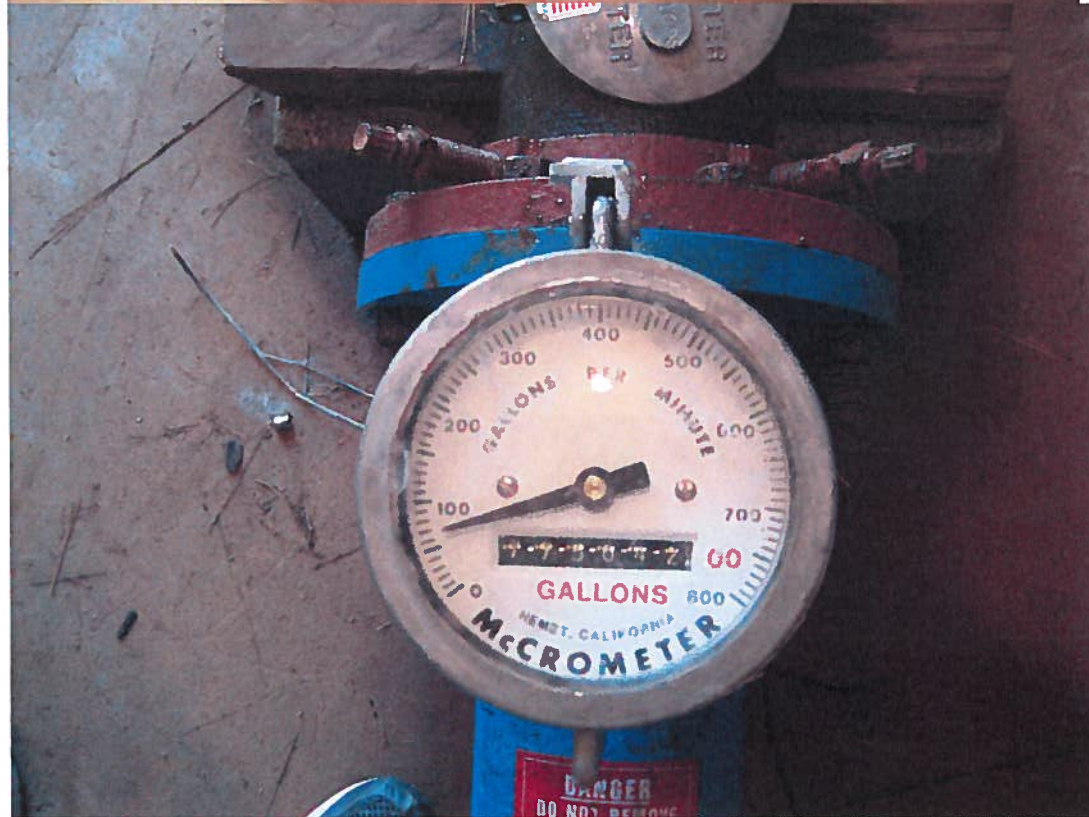


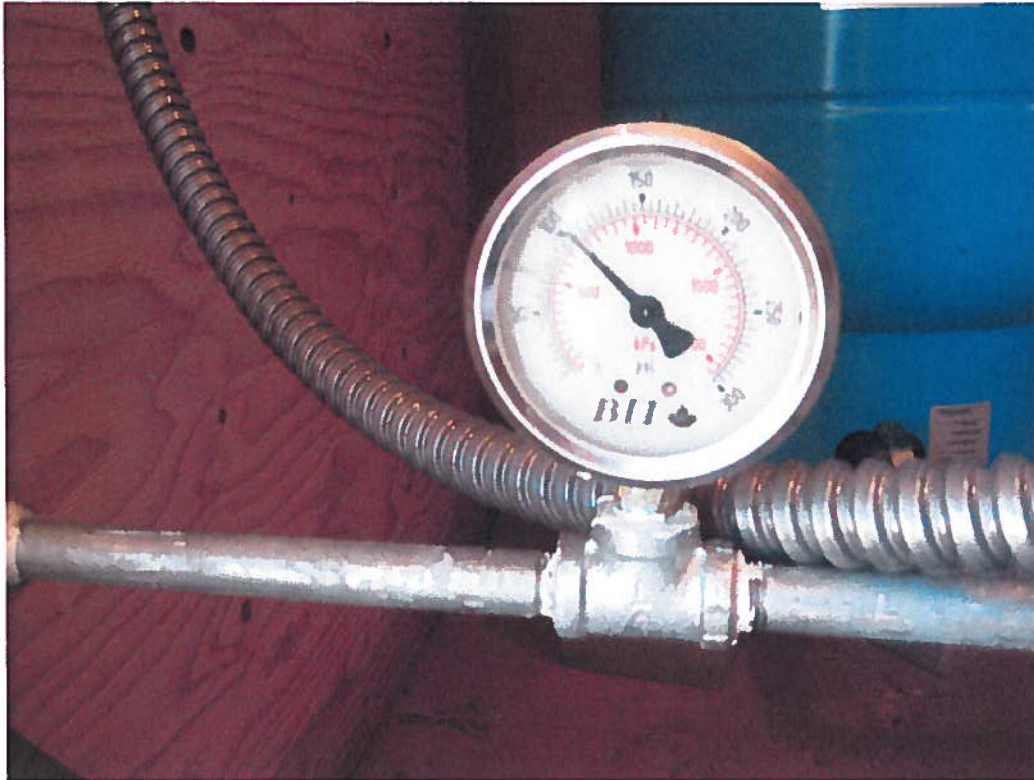
Looking SW
at POW



4 pressure tanks on the system







Pressure reading

Attachment #1

Overlap Analysis for 37-8900 Sage Springs Homeowners

Type	WR #	Owner	Source	TRS	NWNE	NENW	NWNW	SENW	Significant y/n?
Permit	37 8900	SAGE SPRINGS HOMEOWNI	GROUND WATER	02N18E19	X	X	X	X	
Right	37 1221	LOUISE S CONNETT,	HOT SPRINGS GULCH CREEK, WILSOI	02N18E19	X	X	X		N-not claimed
Right	37 8673	SAGE SPRINGS HOMEOWNI	GROUND WATER	02N18E19	X	X	X	X	Y
Right	37 1220	LOUISE S CONNETT,	CROY CREEK	02N18E19	X	X	X		N-not claimed

Type	WR #	Owner	Source	TRS	NENE				
Permit	37 8900	SAGE SPRINGS HOMEOWNI	GROUND WATER	02N17E24	X				
Right	37 2213	JOHN J PLUMER,	WILSON GULCH CREEK	02N17E24	20				N-not claimed
Right	37 1221	LOUISE S CONNETT,	HOT SPRINGS GULCH CREEK, WILSOI	02N17E24	X				N-not claimed
Right	37 8673	SAGE SPRINGS HOMEOWNI	GROUND WATER	02N17E24	X				Y
Right	37 1220	LOUISE S CONNETT,	CROY CREEK	02N17E24	X				N-not claimed
Right	37 549	JOHN J PLUMER, MARGARE	CROY CREEK	02N17E24	X				N-DIFFERENT POU DECREED

Conclusion: Right 37-8673 is the only right that impacts the licensure of 37-8900.
Both rights are diverted from the same PDs and serve the same PD.

IDAHO DEPARTMENT OF WATER RESOURCES

Water Right Report 37-8673

WATER RIGHT NUMBER: 37-8673

Owner Type Name and Address
 Current Owner SAGE SPRINGS HOMEOWNERS ASSN INC

Priority Date: 09/06/1990

Basis: License

Status: Active

Source Tributary

GROUND WATER

<u>Beneficial Use</u>	<u>From</u> <u>To</u>	<u>Diversion Rate</u>	<u>Annual Volume</u>
FIRE PROTECTION	1/01 to 12/31	0.600 CFS	
DOMESTIC	1/01 to 12/31	0.200 CFS	24.00 AF
	<u>Total Diversion:</u>	0.600 CFS	24.00 AF

Location of Point(s) of Diversion

GROUND WATER NW1/4NE1/4 Sec. 19, Twp 02N, Rge 18E, B.M.
 BLAINE County

GROUND WATER NW1/4NE1/4 Sec. 19, Twp 02N, Rge 18E, B.M.
 BLAINE County

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	17E	24	X																
02N	18E	19		X			X	X	X										

FIRE PROTECTION same as DOMESTICConditions of Approval:

1. The total instantaneous diversion of water from all points of diversion under Transfer 5610 shall not exceed 0.60 cfs.
 Rights 37-08673 and 37-08900 when combined shall not exceed a total annual maximum diversion volume of 24.0 af.
 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.
 Two points of diversion are located within the NWNE, S19, T2N, R18E.
 Domestic use is for 20 homes located in Sage Springs Subdivision. Right 37-08900 also provides water for the same 20 homes.
2. 01Q After specific notification by the department, the right holder shall measure the diversion or shall enter into an agreement with the department to determine the amount of water diverted from power records and shall annually report the information to the department.
3. 077 Water shall not be diverted for fire protection use under this right except to fight or repel an existing fire.
4. 046 Right holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code.

Dates and Other Information:

Licensed Date: 2/26/1994

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources
within 30 days after the completion or abandonment of the well.

Attachment # 3(3)

1. WELL OWNER Name <u>G.M.M.K.</u> Address <u>Box 1814 Hailey, Id. 83333</u> Owner's Permit No. <u>37-90-S-046</u> <i>OK</i> <i>Well # 2 - Well # 1 CP</i>	7. WATER LEVEL Static water level <u>23</u> feet below land surface. Flowing? ☐ Yes ☒ No G.P.M. flow _____ Artesian closed-in pressure _____ p.s.i. Controlled by: ☐ Valve ☐ Cap ☐ Plug Temperature _____ °F. Quality <u>good</u> <i>Describe artesian or temperature zones below.</i>																																																																																																										
2. NATURE OF WORK ☒ New well ☐ Deepened ☐ Replacement ☐ Well diameter increase ☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)	8. WELL TEST DATA ☐ Pump ☐ Bailor ☒ Air ☐ Other _____ <table border="1"><thead><tr><th>Discharge G.P.M.</th><th>Pumping Level</th><th>Hours Pumped</th></tr></thead><tbody><tr><td>120</td><td>120</td><td>1</td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></tbody></table>	Discharge G.P.M.	Pumping Level	Hours Pumped	120	120	1																																																																																																				
Discharge G.P.M.	Pumping Level	Hours Pumped																																																																																																									
120	120	1																																																																																																									
3. PROPOSED USE ☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection ☐ Other _____ (specify type)	9. LITHOLOGIC LOG <table border="1"><thead><tr><th rowspan="2">Bore Diam.</th><th colspan="2">Depth</th><th rowspan="2">Material</th><th colspan="2">Water</th></tr><tr><th>From</th><th>To</th><th>Yes</th><th>No</th></tr></thead><tbody><tr><td>8</td><td>0</td><td>4</td><td>Topsoil</td><td></td><td>x</td></tr><tr><td>8</td><td>4</td><td>40</td><td>Sand and gravel</td><td></td><td>x</td></tr><tr><td>6</td><td>40</td><td>49</td><td>Gravel</td><td>x</td><td></td></tr><tr><td>6</td><td>49</td><td>55</td><td>Sand and gravel</td><td>x</td><td></td></tr><tr><td>6</td><td>55</td><td>58</td><td>Clay</td><td></td><td>x</td></tr><tr><td>6</td><td>58</td><td>63</td><td>Sand</td><td></td><td>x</td></tr><tr><td>6</td><td>63</td><td>66</td><td>Clay</td><td></td><td>x</td></tr><tr><td>6</td><td>66</td><td>74</td><td>Gravel</td><td>x</td><td></td></tr><tr><td>6</td><td>74</td><td>78</td><td>Sand and gravel</td><td>x</td><td></td></tr><tr><td>6</td><td>78</td><td>83</td><td>Gravel</td><td>x</td><td></td></tr><tr><td>6</td><td>83</td><td>86</td><td>Clay</td><td></td><td>x</td></tr><tr><td>6</td><td>86</td><td>104</td><td>Gravel</td><td>x</td><td></td></tr><tr><td>6</td><td>104</td><td>105</td><td>Clay</td><td></td><td>x</td></tr><tr><td>6</td><td>105</td><td>109</td><td>Gravel</td><td>x</td><td></td></tr><tr><td>6</td><td>109</td><td>118</td><td>Gravel and clay</td><td></td><td>x</td></tr><tr><td>6</td><td>118</td><td>120</td><td>Black Shale</td><td></td><td>x</td></tr></tbody></table>	Bore Diam.	Depth		Material	Water		From	To	Yes	No	8	0	4	Topsoil		x	8	4	40	Sand and gravel		x	6	40	49	Gravel	x		6	49	55	Sand and gravel	x		6	55	58	Clay		x	6	58	63	Sand		x	6	63	66	Clay		x	6	66	74	Gravel	x		6	74	78	Sand and gravel	x		6	78	83	Gravel	x		6	83	86	Clay		x	6	86	104	Gravel	x		6	104	105	Clay		x	6	105	109	Gravel	x		6	109	118	Gravel and clay		x	6	118	120	Black Shale		x
Bore Diam.	Depth		Material	Water																																																																																																							
	From	To		Yes	No																																																																																																						
8	0	4	Topsoil		x																																																																																																						
8	4	40	Sand and gravel		x																																																																																																						
6	40	49	Gravel	x																																																																																																							
6	49	55	Sand and gravel	x																																																																																																							
6	55	58	Clay		x																																																																																																						
6	58	63	Sand		x																																																																																																						
6	63	66	Clay		x																																																																																																						
6	66	74	Gravel	x																																																																																																							
6	74	78	Sand and gravel	x																																																																																																							
6	78	83	Gravel	x																																																																																																							
6	83	86	Clay		x																																																																																																						
6	86	104	Gravel	x																																																																																																							
6	104	105	Clay		x																																																																																																						
6	105	109	Gravel	x																																																																																																							
6	109	118	Gravel and clay		x																																																																																																						
6	118	120	Black Shale		x																																																																																																						
4. METHOD DRILLED ☒ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary ☐ Cable ☐ Dug ☐ Other _____	10. Work started <u>3-24-90</u> finished <u>3-25-90</u>																																																																																																										
5. WELL CONSTRUCTION Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____ <table border="1"><thead><tr><th>Thickness</th><th>Diameter</th><th>From</th><th>To</th></tr></thead><tbody><tr><td><u>250</u> inches</td><td><u>6</u> inches</td><td><u>1</u> feet</td><td><u>118</u> feet</td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr></tbody></table> Was casing drive shoe used? ☒ Yes ☐ No Was a packer or seal used? ☐ Yes ☒ No Perforated? ☒ Yes ☐ No How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun Size of perforation _____ inches by _____ inches <table border="1"><thead><tr><th>Number</th><th>From</th><th>To</th></tr></thead><tbody><tr><td><u>250</u> perforations</td><td><u>80</u> feet</td><td><u>110</u> feet</td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></tbody></table> Well screen installed? ☐ Yes ☒ No Manufacturer's name _____ Type _____ Model No. _____ Diameter _____ Slot size _____ Set from _____ feet to _____ feet Diameter _____ Slot size _____ Set from _____ feet to _____ feet Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____ Placed from _____ feet to _____ feet Surface seal depth <u>20</u> Material used in seal: ☒ Cement grout ☐ Bentonite ☐ Puddling clay ☐ _____ Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☒ Overbore to seal depth Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent Weld ☐ Cemented between strata Describe access port _____	Thickness	Diameter	From	To	<u>250</u> inches	<u>6</u> inches	<u>1</u> feet	<u>118</u> feet													Number	From	To	<u>250</u> perforations	<u>80</u> feet	<u>110</u> feet																																																																																	
Thickness	Diameter	From	To																																																																																																								
<u>250</u> inches	<u>6</u> inches	<u>1</u> feet	<u>118</u> feet																																																																																																								
Number	From	To																																																																																																									
<u>250</u> perforations	<u>80</u> feet	<u>110</u> feet																																																																																																									
6. LOCATION OF WELL Sketch map location <u>must</u> agree with written location. <table border="1"><tr><td>N</td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td>X</td><td></td><td></td></tr><tr><td>W</td><td></td><td></td><td></td><td>E</td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></table> Subdivision Name _____ Lot No. _____ Block No. _____ County <u>BLAINE</u> <u>NW</u> <u>NE</u> <u>SE</u> <u>SW</u> Sec. <u>19</u> T. <u>2</u> S. R. <u>18</u> E. <u>W</u>	N							X			W				E											11. DRILLERS CERTIFICATION <i>de</i> I/We certify that all minimum well construction standards were complied with at the time the rig was removed. Firm <u>WOOD RIVER DRILLING AND PUMP</u> Firm No. <u>265</u> <u>BOX 1165 788-3163</u> Address <u>HAILEY, IDAHO 83333</u> Date <u>4-27-90</u> Signed by (Firm Official) <u>Ken Smith</u> and (Operator) <u>Ken Smith</u>																																																																																	
N																																																																																																											
		X																																																																																																									
W				E																																																																																																							

Well Proof Report

Receipt #
Permit No. 714711
Metal Tag No. **A0018777**
Well ID # 314435
Water Right No.

Relationship: Owner/Operator
Name: G M M K GROUP B Phone:(208)788-5028
Address: PO BOX 1814
HAILEY ID 83333

** this well that was
originally licensed
and examined in
1993.*

Permit Status: Permitted

Well Location: Township 02N, Range 18E, Section 19, NW, NE
COUNTY BLAINE

Address of Well Site: CROY ST, WELL ~~#2~~ #1
ID

Use of Well: Domestic-Single Residence

Activity: New Well

Region: Southern

Construction Method:

Const Start Date: Mar 24 1990 Const End Date: Mar 25 1990

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

Card Hold Name: KENNETH R SMITH Phone:(208)788-3307 (No. 4091)

Certifying Official:

Date Received: Apr 27 1990

Date Approved: May 08 1990

Date Inspected:

Completed Depth: 120 FT Drilled Depth: Surface Diameter: 6 inches

Primary Flow Depth: Overall Temp: Static Water Level: 23

Head Pipe Length: Tail Pipe Length Production Rate: 120 GPM

Closed in Pressure: 0 Psi Bottom Hole Temp: 0 F. Low Temp Geothermal: NO

Control Device Desc:

Access Port Desc:

Casing

From	To	Diam	Type	Gauge	Join Type	Material
119						

Well Proof Report

Receipt #
Permit No. 714802
Metal Tag No. **A 001 8530**
Well ID # 314528
Water Right No. 37-8673

Relationship: Owner/Operator
Name: G M M K GROUP B Phone:(208)788-5028
Address: PO BOX 1814
HAILEY ID 83333

Permit Status: Permitted

Well Location: Township 02N, Range 18E, Section 19, SW, NW, NE
COUNTY BLAINE

Address of Well Site: CROY CREEK RD
ID

Use of Well: Municipal

Activity: New Well

Region: Southern

Construction Method:

Const Start Date: Sep 07 1990 Const End Date: Sep 13 1990

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

Card Hold Name: KENNETH R SMITH Phone:(208)788-3307 (No. 4091)

Certifying Official:

Date Received: Oct 04 1990

Date Approved: Sep 06 1990

Date Inspected:

Completed Depth: 90 FT Drilled Depth: Surface Diameter: 6 inches

Primary Flow Depth: Overall Temp: Static Water Level: 99999

Head Pipe Length: Tail Pipe Length Production Rate: 0 GPM

Closed in Pressure: 0 Psi Bottom Hole Temp: 0 F. Low Temp Geothermal: NO

Control Device Desc:

Access Port Desc:

Casing

From	To	Diam	Type	Gauge	Join Type	Material
	90					

NICHOLS PROPERTY MANAGEMENT

Attachment #4

Upper Wood River Water Measurement District
C/O Rob Struthers
PO Box 676
Picabo, ID 83348

Dear Rob:

Enclosed, please find the Measurement Plan Submittal for the Sage Springs Owners Association as well as the appropriate documentation.

A few notes:

- There are 2 wells servicing this Association; however, all water is ultimately pumped through one pipe – that pipe is metered
- I was unable to find the site tag number for either well
- These wells are limited to domestic consumption and irrigation for the Sage Springs Owners – there is no commercial irrigation
- The wells are interconnected to each other via the pump house; however, there are back flow prevention devices installed

Should you have any questions, please don't hesitate to contact me. I would be happy to meet you onsite.

Sincerely,



Karl Nichols

karl@nichols-property.com

On Behalf of the Sage Springs Owners Association, Inc.

UPPER WOOD RIVERS WATER MEASUREMENT DISTRICT
MEASUREMENT PLAN SUBMITTAL FORM FOR NON-IRRIGATION AND
IRRIGATION GREATER THAN 5 ACRES

Please fill out a form for each well, plans are due by May 1, 2012 for wells with irrigation use greater than 5 acres and/or non-irrigation uses with diversion rates greater than 0.24 cfs

Well Name: Sage Springs Owners Association
IDWR Metal site tag: Not Found (if applicable ex. A0001700)
Legal description of well: 48.498725N / 114.354335W (ex. 01N 20E sec 30 SWSW)
Owner/Operator: Sage Springs Owner Association
Measurement District Account #: 10421 (Sent on assessments by UWRWMD)

Check one of the following measurement options for this well:

Please note: this plan must be approved before you install a flow meter or use any alternate measurement method.

A. Is this well used for irrigation ☒ yes ☐ no

If yes how many acres 10 (Plans are not due until April 1, 2013 for wells with irrigation of 5 acres or less)

If no please describe the different use (Example: stock water, commercial, domestic)

Domestic use and domestic irrigation.

B. I plan to install a magnetic flow meter on my well pursuant to IDWR's Order and criteria: _____

Manufacturer and Model of flow meter you have selected _____

I have not selected a meter _____ (see IDWR approved list of magnetic flow meters at the link below)

http://www.idwr.idaho.gov/WaterManagement/WaterMeasurement/PDFs/Approved_flow_meter_list.pdf

Please complete section #10, then sign and submit this form to the address provided.

C. I am requesting a variance of the magnetic meter requirement: ☒

Please indicate the method of measurement you wish to use and have approved:

☒ Existing operating flow meter

☒ Non-magnetic flow meter

☐ Hour Meter / Time Clock

☐ Power Consumption Coefficient (PCC)

If you are requesting a variance, you must answer the following questions:

1. If the well is used for irrigation please describe the irrigation equipment used with this well (example: center pivot with hand lines, 1/4 mile wheel lines, solid set hand lines, etc).

Do your pivot systems operate with corner machines? ☐ yes ☐ no ☒ N/A

Approximate number of acres irrigated by this well: 10 acres

2. Does the well open discharge into a pond or ditch? ☐ yes ☒ no

3. Is there a flow meter presently installed on your well? ☒ yes ☐ no

Type: Propeller

Manufacture: McCrometer

Installation date: Approximately 1990

Is the meter operable? ☒ yes ☐ no

4. Are there multiple pumps or power loads wired to the same electrical demand meter? ☒ yes ☐ no

If yes, how many pumps are surface water boosters that would increase the power use when the deep well is not in operation? 0

How many are in-line pressure boosters? 0

Do in-line boosters always run with the well? yes ☒ no

5. Is the additional power load due to something other than a motor/pump combination? yes ☒ no
Pressure Changes:

Do you throttle the main well pump? ☒ yes ☒ no

Do you throttle the in-line booster pumps? yes ☒ no

Additional explanation/information regarding pump throttling or pressure changes:

6. Does the system operate with a variable frequency drive? ☒ yes ☒ no

On Well motor: ☒

On Booster motor:

On Both:

7. Is the well interconnected to other wells? ☒ yes no

8. Do your cropping patterns differ under pivot systems within the same year? yes ☒ no
(example: one pivot in potatoes, one pivot in wheat and both systems irrigated by the same well)
If yes, please describe:

9. Does the well production decrease over the irrigation season? yes ☒ no
Does pumping water level decrease over the irrigation season? yes ☒ no
If yes, approximately how much does the level decrease (in feet)?

If you answered YES to any of the questions #4 through #8, your system is not likely a candidate for the Power Consumption Coefficient (PCC) method of measurement. You will be required to install a flow meter.

If the system is an OPEN DISCHARGE system (answer to #2 is YES) and well production does not decrease during the irrigation season (answer to #9 is NO), then the system may use an hour meter for measurement.

10. **Required for all systems.** Please attach a diagram or photo of the wellhead and pumping plant. Include or show locations of all proposed or existing flow meters, and the locations of boosters, valves, elbows, chemigation ports, etc., and the spacing between each.

What is the pump discharge line size? 4 inche

PLEASE PROVIDE YOUR SIGNATURE AND A CONTACT PHONE NUMBER, AND RETURN ALL FORMS BY MAY 1, 2012 TO:

Upper Wood Rivers Water Measurement District
C/O Rob Struthers
P.O. Box 676
Picabo, ID 83348


Name/Title

Karl Nichols, Association Manager

208 726-4565

4/25/2012

Phone #

Date