

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 37-20837

Exam Date: 4/18/2012

1. Current Owner: TIMBERVIEW TERRACE HOMEOWNERS ASSN
PO BOX 4291
KETCHUM ID 83340
(208)309-0366
Becky Klassen, Association Administrator (208)309-0366
BeckyKlassen1@msn.com
2. Accompanied by: Perry Hesteness
Phone No: (208)788-8562, cell (208)309-1750
Email: idahopk@msn.com
Address: 100 Golden Eagle Rd., Hailey, ID 83333 or PO Box 2394 Hailey, ID 83333 (corner of Hwy 75 and Golden Eagle, in the metal building)
Relationship to Permit Holder: Water System Manager

3. SOURCETRIBUTARY

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: None, except for Lot 1 (A37-22062 Adare Trust, irrigation for 1.3 acres from the Big Wood), and Lot 2 (A37-22061 Barber, irrigation for 3.2 acres from the Big Wood).
2. Other water rights with the same point of diversion: None.

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

GROUND WATER NE1/4SW1/4 Sec. 7, Twp 03N, Rge 18E, B.M. BLAINE County
GROUND WATER NE1/4SW1/4 Sec. 7, Twp 03N, Rge 18E, B.M. BLAINE County

Method of Determination: Garmin GPS Map 76S, Arc Map 2006 – 2011 and esri Imagery.

2.

PLACE OF USE: DOMESTIC (5 Lots with 1 home and 1-guest home on each lot)

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
03N	18E	7									X								

Method of Determination: Garmin GPS Map 76S, Arc Map 2006 – 2011 and esri Imagery.

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.

Well or Diversion

<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 Size</u>
A0016958 North Well	unknown	7.5 Hp	unknown	unknown	2 inch
A0016959 South Well	unknown	20.0 Hp	unknown	unknown	2 inch

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

D. FLOW MEASUREMENTS

1.

Measurement

<u>Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
None.						

2. Measurements:

None.

E. FLOW CALCULATIONS

Measured Method:

Exhibit 12: Maximum Instantaneous Water Requirement for Domestic Internal Use Only :

5 homes + 5-guest homes = 10 homes on 5 lots total = 0.15 cfs

IDWR Standard for Domestic:

Domestic Internal/External Use = 5 homes X 0.04 cfs = 0.20 cfs

Domestic Internal Use Only = 5-Guest homes X 0.02 cfs = 0.10 cfs

Maximum that would be allowed = 0.20 cfs + 0.10 cfs = 0.30 cfs

Theoretical:North Well: $(8.8 \times 7.5 \text{ Hp} \times 0.7 \text{ eff}) / [110 \text{ lift} + (2.31 \times 68 \text{ psi})] = 0.17 \text{ cfs}$ South Well: $(8.8 \times 20.0 \text{ Hp} \times 0.7 \text{ eff}) / [110 \text{ lift} + (2.31 \times 68 \text{ psi})] = 0.46 \text{ cfs}$

North Well + South Well = 0.63 cfs maximum capacity of the system

RECOMMEND:

Domestic 10 homes (5 internal/external + 5 internal only) = 0.23 cfs (as permitted)

F. VOLUME CALCULATIONS

1. Volume Calculations for Domestic:

5 homes with internal/external use (5 X 1.2 af) + 5-guest homes with internal use only (5 X 0.6 af) = 9.0 af

RECOMMEND:

Domestic 10 homes:

Domestic (5 homes with internal/external use) + (5-guest homes with internal use only) = 9.0 af

2. Volume Calculations for Other Uses: None.

Vol. limited by 13,000 gpd condition. GA.

G. NARRATIVE/REMARKS/COMMENTS

The North Well (A0016958) is an 8 inch casing, with a 7.5 Hp submersible pump (unknown make/model), 2 inch discharge that goes to the pump house, 110 ft static, drilled 5/12/1994 by Scott Drilling #327. The South Well (A0016959) is an 8 inch casing, with a 20 Hp submersible pump (unknown make/model), 100 ft static, drilled 7/29/1994 by Scott Drilling #327; it has a 2 inch discharge that goes to the same pump house where there are 2-Well Mate pressure tanks. The system runs at 68 psi. The 2 lines merge, co-mingle and discharge into a buried 6 inch PVC main, which reduces to 1 1/2 inch PVC going into each of the lots. The South Well is primarily for additional flow for fire protection. Domestic use is for 5 lots, with each lot having 1-home and 1-guest home on each lot (10 homes total).

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	0.230 CFS	9.00 AF
<u>Totals:</u>		0.230 CFS	9.00 AF

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 *Judy Hemenway* Date: 12/3/2013

POU Overlap Review:

Basel Sequence: Ver Process Basis Stat Dra Right ID Priority Date Diversion Source List Water Use List Current Owner

37	20837	Water Permit	Acti N	568247	11/22/2002	0.23	GROUND WA DOMESTIC	TIMBERVIEW TERRACE HOMEOWNERS ASSOCIATION
37	22061	1 Recomm Decree	Active	609779	3/24/1883	0.05	BIG WOOD RI IRRIGATION	BARBER, GEORGE; BARBER, JULEE — Lot 2 Irr. (overlap)
37	22062	1 Recomm Decree	Active	609781	3/24/1883	0.02	BIG WOOD RI IRRIGATION	ADARE TRUST Lot 1 Irr. (overlap)
37	22063	1 Recomm Decree	Active	609783	3/24/1883	0.02	BIG WOOD RI IRRIGATION	TIMBERVIEW TERRACE HOMEOWNERS ASSOCIATION — landscape north of subdiv.
37	11684	Claim	Benefic Active	244648	9/1/1975	0.06	GROUND WA DOMESTIC, IRI	POTTER, MARY MAY; POTTER, MAX L claim for Sec. 7 dom.
~~37~~	~~22061~~	~~Claim~~	~~Decree Active~~	~~609778~~	~~3/24/1883~~	~~0.05~~	~~BIG WOOD RI IRRIGATION~~	~~BARBER, GEORGE; BARBER, JULEE~~
~~37~~	~~22062~~	~~Claim~~	~~Decree Active~~	~~609780~~	~~3/24/1883~~	~~0.02~~	~~BIG WOOD RI IRRIGATION~~	~~ADARE TRUST~~
~~37~~	~~22063~~	~~Claim~~	~~Decree Active~~	~~609782~~	~~3/24/1883~~	~~0.02~~	~~BIG WOOD RI IRRIGATION~~	~~TIMBERVIEW TERRACE HOMEOWNERS ASSOCIATION~~

Adj.

1. DRILLING PERMIT NO. 37-94-S-0049-000

Other IDWR No.

2. OWNER:

Name W. J. SWANSON
Address P.O. Box 5129
City Ketchikan State AK Zip 99834

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.


 T. 3 North ☒ or South ☐
 E. R. 18 East ☒ or West ☐
 Sec. 7 $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$
 Gov't Lot _____ County Blaine

Address of Well Site *Timber Gulch Rd*

(Give at least Direction + Distance to Road or Landmark)

Utility Lot
Lot No. _____ Block No. _____ Subd. Name Timberview Terrace

4. PROPOSED USE:

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

5. TYPE OF WORK

☒ New Well ☐ Modify or Repair ☐ Replacement ☐ Abandonment

6. DRILL METHOD

☐ Mud Rotary ☒ Air Rotary ☐ Cable ☐ Other

7. SEALING PROCEDURES

SEAL/FILTER PACK			AMOUNT	METHOD
Material	From	To	Sacks or Pounds	
Benthoite	0	30	4	over bore - Tong Shing Pipe

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

8. CASING/LINER:

Diameter	From	To	Gauge	Casting	Liner	Steel	Plastic	Welded	Threaded
8	71	140	25			☒	☐	☒	☐
						☐	☐	☐	☐
						☐	☐	☐	☐
						☐	☐	☐	☐

Final location of shoes 140

Top Packer or Headpipe _____ Bottom Tailpipe _____

9. PERFORATIONS/SCREENS

☐ Perforations Method _____

☐ Screens *V/H* Type _____ Material _____

From	To	Slot Size	Number	Diameter	Tape/Pipe Size	Casting	Line
						☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

10. WELL TESTS:

☐ Pump ☐ Baller ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Depth	Time
200-250	0	220	1 hr

Temperature of water Was a water analysis done? Yes ☐ No ☒

By whom?

Water Quality (odor, etc.) Good

Bottom Hole Temperature

11. STATIC WATER LEVEL:

110 ft. below surface Depth artesian flow found

Artesian pressure lb. Describe access port *well cap*

Describe Controlling Devices:

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	GPM	SW
8	0	1	Brown Dirt		
	1	17	Clay with some gravel		
	17	30	Red Clay & Sandstone gravel		
	30	60	Red Broken Rock		
	60	140	Red Broken Rock		
	140	170	Brown Solid Rock		
	170	175	Fractured Brown Rock		70
	175	200	Brown Solid Rock		
	200	215	Rock fractured		150

RECEIVED

MAY 18 1994

FILED

Seal Source
Office

08 1995

Date: Started **5-11-94**
Completed **5-12-94**

13. DRILLER'S CERTIFICATION

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

Firm Name Sev & Drilling Co. Firm No. 327

Firm Official A. J. West Date 5-12-90

and
Supervisor or Operator JMS Date 5-12-94

(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

North Well

South Well
7H

S 89°38'50" E 1394.34'

37-20837

PARCEL "A"
COMMON OPEN SPACE
11.58 ACRES

12' PUBLIC
NON-MOTORIZED
ACCESS EASEMENT
INST. #332609

TIMBER LANE
(PRIVATE)

20' WATERLINE AND
UTILITY EASEMENT
TO SERVE LOTS 3, 4 & 5

EXISTING 40'
DRIVEWAY TO
LOT 5

BLOCK 1

LOT 3
3.86 ACRES

LOT 4
6.28 ACRES

LOT 2
4.75 ACRES

LOT 1
3.75 ACRES

Wells

200' DIA. NON-
CONTAMINATION
WELL EASEMENT
FOR LOTS 3, 4 & 5

FND 1/2" REBAR
C 1/4 S7

60' ACCESS EASEMENT
THROUGH VALLEY VIEW SUBD.
C TIMBER WAY

S 86°44'45" W
439.96'

S 86°27'55" W
61.22'

S 0°40'56" E
40.00'

N 79°26'21" W
40.00'

S 1°17'15" E 1285.93'

S 87°37'51" E
40.00'

S 25°20'20" W
40.00'

S 70°21'02" E
124.58'

S 89°52'27" W
458.45'

S 19°38'58" W
25.00'

S 95°43'35" E
150.00'

N 85°39'38" E
251.30'

N 80°05'25" E
40.00'

N 49°42'56" E
307.52'

N 87°37'51" E
40.00'

S 87°37'51" E
40.00'

S 87°37'51" E
40.00'

S 87°37'51" E
40.00'

S 87°37'51" E
40.00'

S 87°37'51" E
40.00'

LEGEND

- FOUND 1
- ⊕ FOUND B
- SET 1/2"
- SET 5/8"
- EASEMENT
- (F) 10,000 G
- ~ RED AVAL
- ~ BLUE AVAL
- H/PA
- B BARN SITE
- BE BUILDING I

CURVE DATA

CURVE	RADIUS	DELTA	LENGTH	C
C-1	505.00	18-52-30	166.36	1
C-2	31.64	89-04-32	49.19	4
C-3	50.00	89-11-49	60.39	5
C-4	50.00	78-45-25	68.73	6
C-5	365.00	17-00-00	108.30	10
C-6	93.00	83-55-13	136.22	12
C-7	350.00	31-30-00	192.42	19
C-8	335.00	11-01-46	64.49	6
C-9	335.00	13-58-14	81.68	81
C-10	30.00	109-00-00	57.07	4
C-11	230.00	15-48-20	63.45	6
C-12	380.00	25-00-00	165.81	16
C-13	395.00	17-00-00	117.20	116
C-14	63.00	83-55-13	92.28	8
C-15	104.00	61-49-34	112.00	106
C-16	110.00	52-00-00	99.00	96
C-17	93.00	87-45-00	142.43	12
C-18	125.00	45-56-22	100.22	97
C-21	60.00	67-01-49	70.19	66
C-22	60.00	67-01-49	70.19	66
C-23	175.00	48-00-00	146.81	142
C-24	325.00	27-41-33	157.08	155
C-25	105.00	45-56-22	84.19	81
C-26	30.00	180-00-00	94.25	61
C-28	123.00	50-05-37	107.54	104
C-29	123.00	33-49-36	72.62	71
C-30	535.00	18-52-30	176.25	175
C-31	170.00	15-48-20	46.90	46
C-32	440.00	25-00-00	191.99	190
C-33	335.00	17-00-00	99.40	99
C-34	475.00	18-52-31	156.48	155
C-35	113.00	87-45-00	173.06	156
C-36	130.00	52-00-00	117.98	113
C-37	144.00	26-05-40	65.58	65
C-38	144.00	35-43-53	89.80	88
C-39	90.00	52-00-00	81.68	78
C-40	73.00	87-45-00	111.80	101
C-41	200.00	15-48-20	55.17	55
C-42	410.00	25-00-00	178.90	177
C-45	124.00	61-49-34	133.80	127

Adare Trust
Irrigation
Big Wood
1.3 AC
irr.

Barber
A37-22061
Irrigation
Big Wood
3.2 AC
irr.

SENW

POU: Timberview Terrace Homeowners Association (5 Lots)

Lot 1: Adara Sonja

Lot 3: Lane Ingle - Lise Eckman

NESW

POD: A0016958 North Well

pump house

POD: A0016959 South Well

Lot 4: Timberview Gulch Partners LLC

Lot 5: Timberview Terrace LLC

Lot 2: Barber George, Julee

SESW

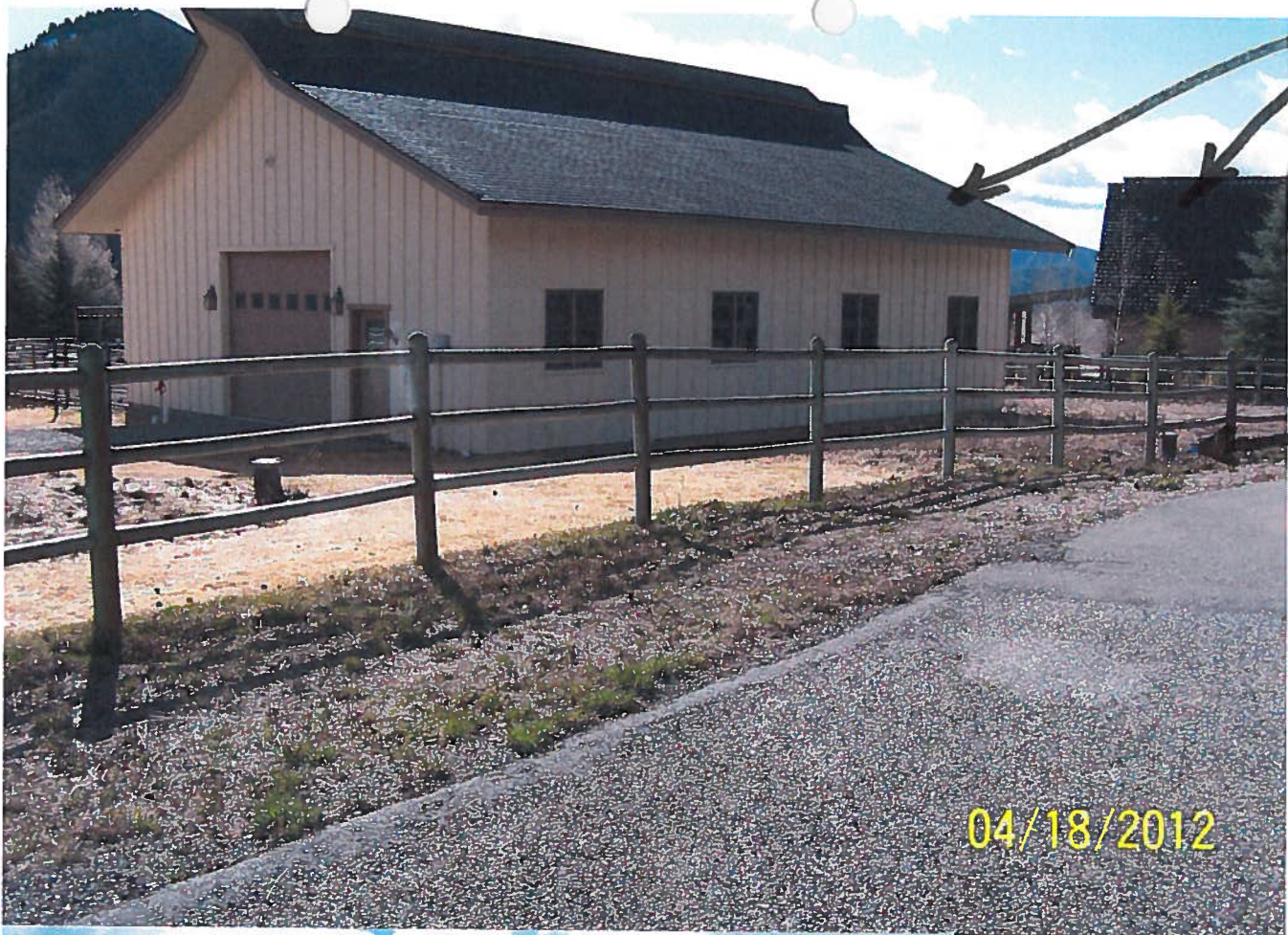
SWSE



POD:
North
well
A0018958
7.5Hp
2"
discharge



Pump
house



POD:
South
Well
A0016959
204p
2"disch

04/18/2012



POD
South
Well

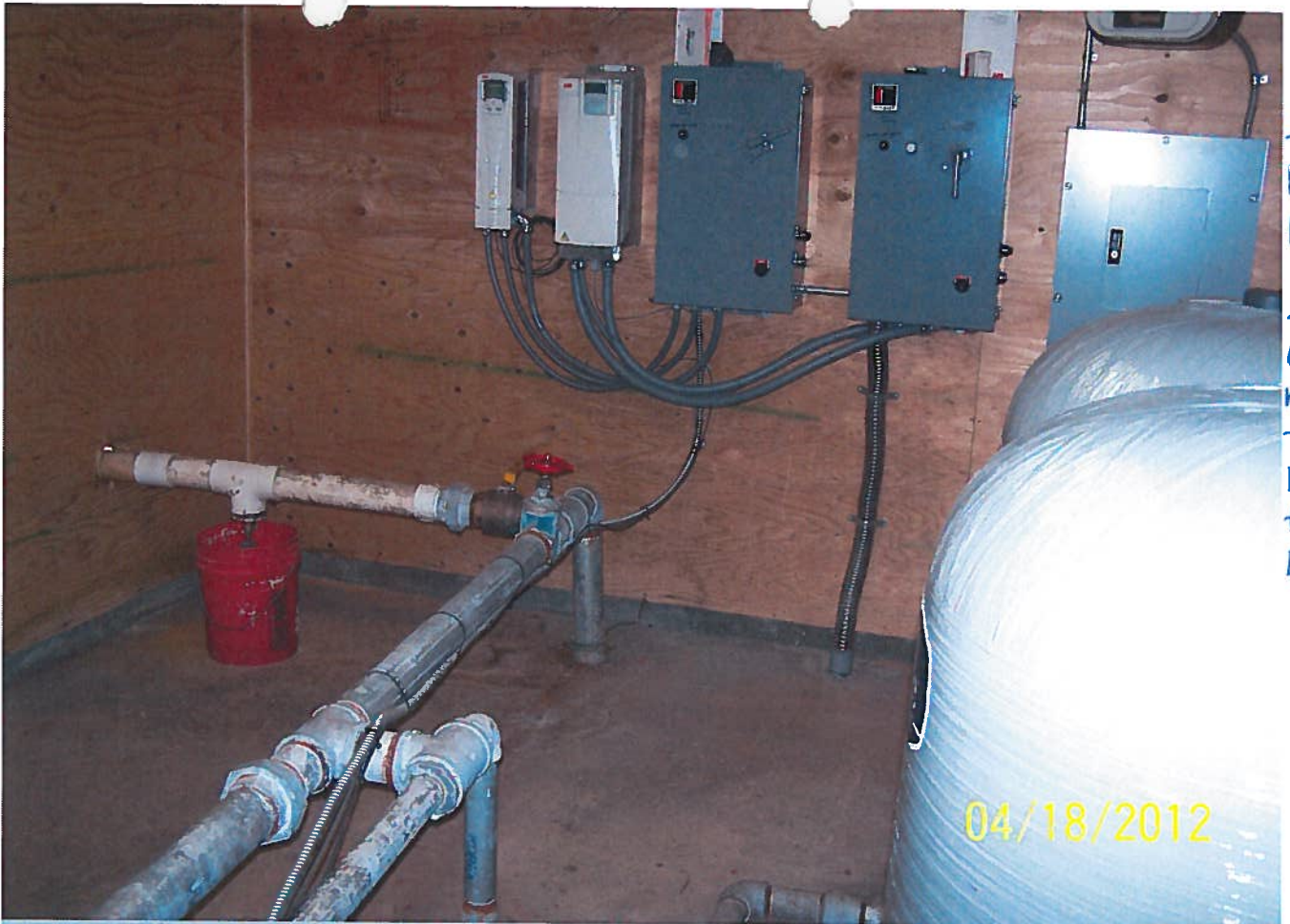
04/18/2012



Pump
House
located
west of
POD's



Inside
pump
House
(2)
Well
Mate
68 psi
2" to
6" PVC
main,
to
1 1/2" PVC
to each
Lot.



Inside
Pump
House
2" to
6" PVC
main,
to
1 1/2" PVC
to each
Lot

04/18/2012



Home
with
guest
home
on
each
Lot

04/18/2012