

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 37-8857

Exam Date: 8/8/2012

1. Current Owner: SMOKEY DOME LLC
C/O CHUCK HILL
PISTOL CREEK FINANCIAL
PO BOX 1607
BELLEVUE WA 98009
(425) 688-9304

2. Accompanied by: Rod Gonsales
Phone No: (208)764-3904
Address: 338 S 600 W., Corral, ID 83322
Relationship to Permit Holder: manager
Email: camascreek@hughes.net

3. **SOURCE**

TRIBUTARY

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: None
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 NE1/4SW1/4 Sec. 14, Twp 01N, Rge 13E, B.M. CAMAS County
GROUND WATER NE1/4SW1/4 Sec. 14, Twp 01N, Rge 13E, B.M. CAMAS County

Method of Determination: Garmin GPS Map76S, and ArcMap Imagery 2011 and 2013

2.

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	
01N	13E	14																	

Method of Determination: Garmin GPS Map76S, and ArcMap Imagery 2011 and 2013

3. ☐X Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
- ☐X Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
- ☐X Aerial Photo Attached (required for irrigation of 10+ acres).
- ☐X 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>
Well #1 A0018546	Franklin Electric	10 HP	model # 4F15S30	submersible	4 inch
Well #2 A0018545	Franklin Electric	7.5 HP	model # 2343062604	(3-phase) submersible	4 inch

System at 110 psi at time of field examination, without any wells running (no demand on the system), but Ron Gonsales stated that the system usually ran at 70 psi.

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

D. FLOW MEASUREMENTS

1.

<u>Measurement Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
McCrometer flowmeter				ser# 97-6852-3	3-inch	unknown

Both wells #1 and #2 flow through this same flowmeter, prior to being discharged to the distribution. Each well can be run through it separately, or if it gets to a point in the future they can co-mingle. At the time of the field examination there was no demand on the system, and no flow through the flowmeter. The reading on the meter was: 553901 gal X 10.

2. Measurements:

None.

E. FLOW CALCULATIONS

Measured Method:

Do to no demand on the system, with so few homes constructed (out of the 62 lots stubbed), and those homes being seasonal, a physical measurement was not obtained. For this reason, other calculations were used to determine the diversion rate:

(1) Well #1:

- Well Driller Report: 25 gpm (0.06 cfs) thru 30 gpm (0.07 cfs)
- Theoretical: $(8.8 \times 10 \text{ Hp} \times 0.7 \text{ eff}) / [300 \text{ ft lift} + (110 \text{ psi} \times 2.31)] = 0.11 \text{ cfs}$

(2) Well #2:

- Well Driller Report: 60 gpm (0.13 cfs)
- Theoretical: $(8.8 \times 7.5 \text{ Hp} \times 0.7 \text{ eff}) / [270 \text{ ft lift} + (110 \text{ psi} \times 2.31)] = 0.09 \text{ cfs}$

(3) Pipe Conversion for a 4 inch PVC main: 0.44 cfs maximum capacity

Using either the total from the well driller reports, or the total from the theoretical, they both equal 0.20 cfs. Without being able to collect a physical measurement, no additional diversion rate can be granted.

RECOMMEND:

Domestic 62 homes (stubbed)

Total Diversion Rate: well #1 (0.11 cfs) + well #2 (0.09 cfs) = 0.20 cfs

F. VOLUME CALCULATIONS

1. Volume Calculations for Domestic 62 homes:

Condition 071 limits the volume to 13,000 gallons per day per home.

2. Volume Calculations for Other Uses: None.

G. NARRATIVE/REMARKS/COMMENTS

At the time of the field examination, there was no demand from the system, since the homes that are occupied in the Homestead Subdivision are seasonal residences, with individuals coming and going throughout the year, so no physical measurement could be obtained. Not all lots are built on yet, but all 62 lots are stubbed. There are two wells on the system, that use the same pump house where the controls and flowmeter are located. Well #1 was drilled by Hiddleston & Son, Inc. on 5/20/1997. It is located directly outside the pumphouse, is an 8 inch casing that extends 12 inches above ground level; is 360 feet deep, with a 78 ft static, has a 10 Hp Franklin Electric model 4F15S30 submersible pump, 300 ft lift, pump set at 273 ft, with a 4 inch discharge coming into the pump house, goes through a 3 inch McCrometer flowmeter (serial #97-6852-3, 55390 gal X 10 at time of the field examination), then discharges to 4 inch PVC to the 4 inch PVC main of the subdivision, reducing to 3/4 inch and 1 inch onto each lot. Well #2 is located northeast of well #1. It was drilled by Hiddleston & Son, Inc. on 11/16/1995. It is a 6 inch casing that extends 15 inches above ground level, is 260 ft deep, has a 40 ft static level, a 7.5 Hp Franklin Electric model 234062604, 3-phase submersible pump, 270 ft lift, that enters the pump house through a 4 inch PVC line, then runs through the same McCrometer flowmeter that well #1 runs through, then the two wells can co-mingle or run separately out through the 4 inch PVC to the distribution system. The pressure showing on the gauge was 110 psi, although Rod Gonsales said that the system usually ran at 70 psi. Beneficial use is for Domestic use for the 62 stubbed lots.

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	0.200 CFS	*
<u>Totals:</u>		0.200 CFS	

Volume is limited to 13,000 gpd per home (condition #071).

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

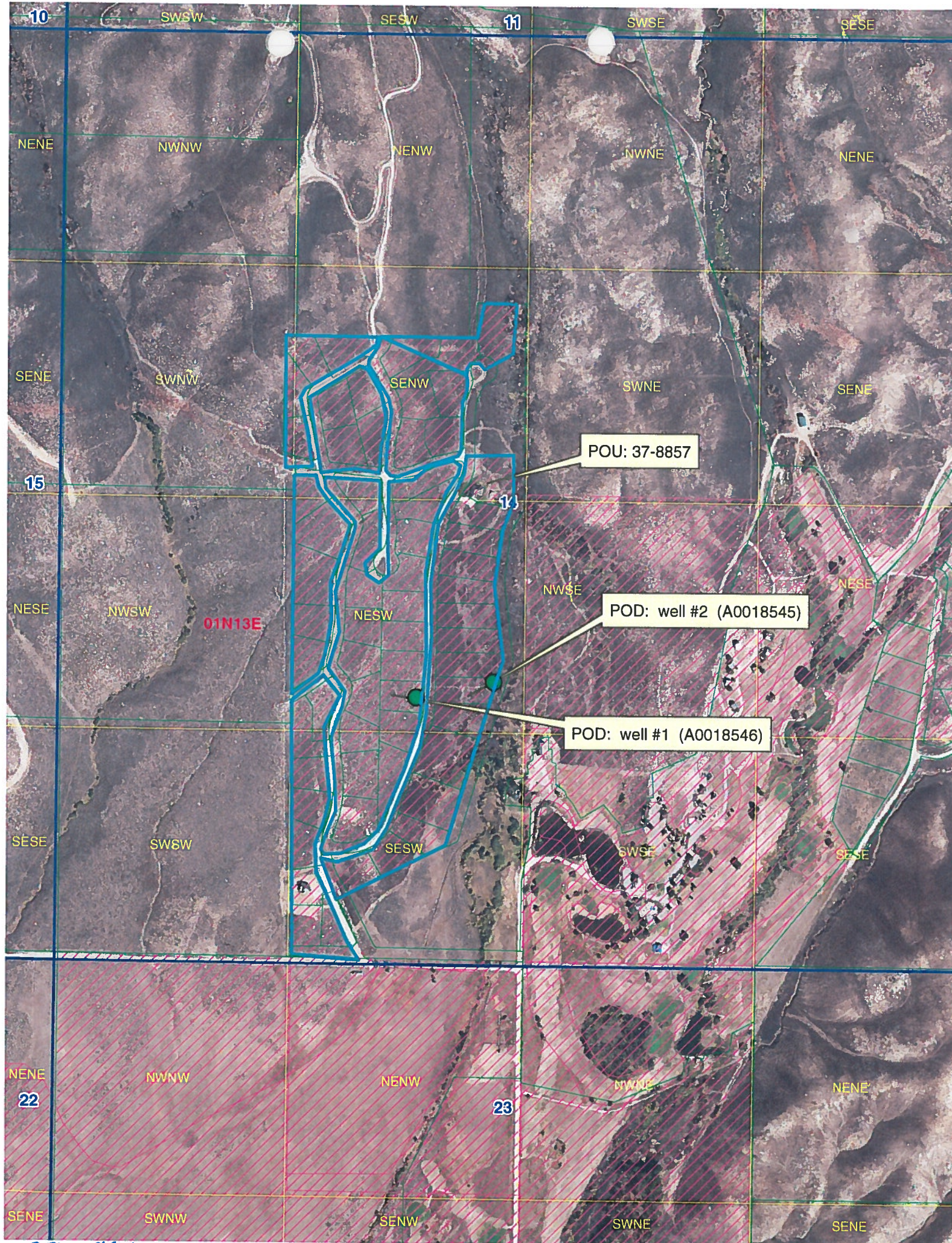
*PODs were found to be in T1N R13E Sec 14 NESW, and not in Section 11 SESW (confirmed with ArcMap Imagery at the time of the field examination, and Garmin GPS Map 76S coordinates).

I. AUTHENTICATION

Field Examiner's Name



Date: 2/27/2014



BREAK LINE
CONTINUED ON SHEET 2

BREAK LINE
CONTINUED ON SHEET 2

LEGEND

- Brass Cap Monument
- 5/8" Iron Pin with Plastic Cap
- 1/2" x 24" Iron Pin
- Boundary Line
- Lot Line
- Section Line
- Utility And Snow Removal Easement Line
- Scenic Easement and Sewer System Subsoak
- Sample Drilled Subsoak
- Road Centerline
- Scenic Easement Area

PLAT SHOWING
HOMESTEAD SUBDIVISION

A PORTION OF THE E1/2 W/2
SECTION 14, TOWNSHIP 1 NORTH, RANGE 13 EAST,
BOISE MERIDIAN
CAMAS COUNTY, IDAHO
1996



HEALTH CERTIFICATE
SANITARY RESTRICTIONS AS REQUIRED BY DAVID CODE 1996 CHAPTER 13, HAVE BEEN
OBTAINED. SANITARY RESTRICTIONS MAY BE REPEATED, IN ACCORDANCE WITH DAVID CODE
1996 CHAPTER 13, SECTION 08-12A, BY THE ISSUANCE OF A CORRECTIVE OF REVISION.
DATE: _____

NOTE: NORTH CENTRAL DISTRICT REGISTRY, INC.

- NOTE:
1. ALL EASEMENTS IN WITH AND ADJACENT TO ALL STREETS SHALL
BE REVERSED AS A SNOW REMOVAL AND UTILITY EASEMENT.
 2. ALL EASEMENTS IN WITH AND ADJACENT TO ALL LOT AND ROAD
LOT LINES SHALL BE REVERSED AS A UTILITY EASEMENT.
 3. ALL ROADS WITHIN PLATTED AREA WILL REMAIN PRIVATE AND BE
MAINTAINED BY THE HOMEOWNERS ASSOCIATION.
 4. PARCEL "A" WILL BE DEED TO THE HOMEOWNERS ASSOCIATION
ASSOCIATION FOR USE AS A GREENBELT EASEMENT.

NEARBY MAP



Lot 1-4 BIK 6
Lot 1-7 BIK 7

Homestead Subdivis

37-08857

- [Green Box] = Lots 1-8 BIK 1
- [Yellow Box] = Lots 1-5 BIK 2
- [Blue Box] = Lots 1-14 BIK 3
- [Pink Box] = Lots 1-15 BIK 4
- [Orange Box] = Lots 1-4 BIK 5

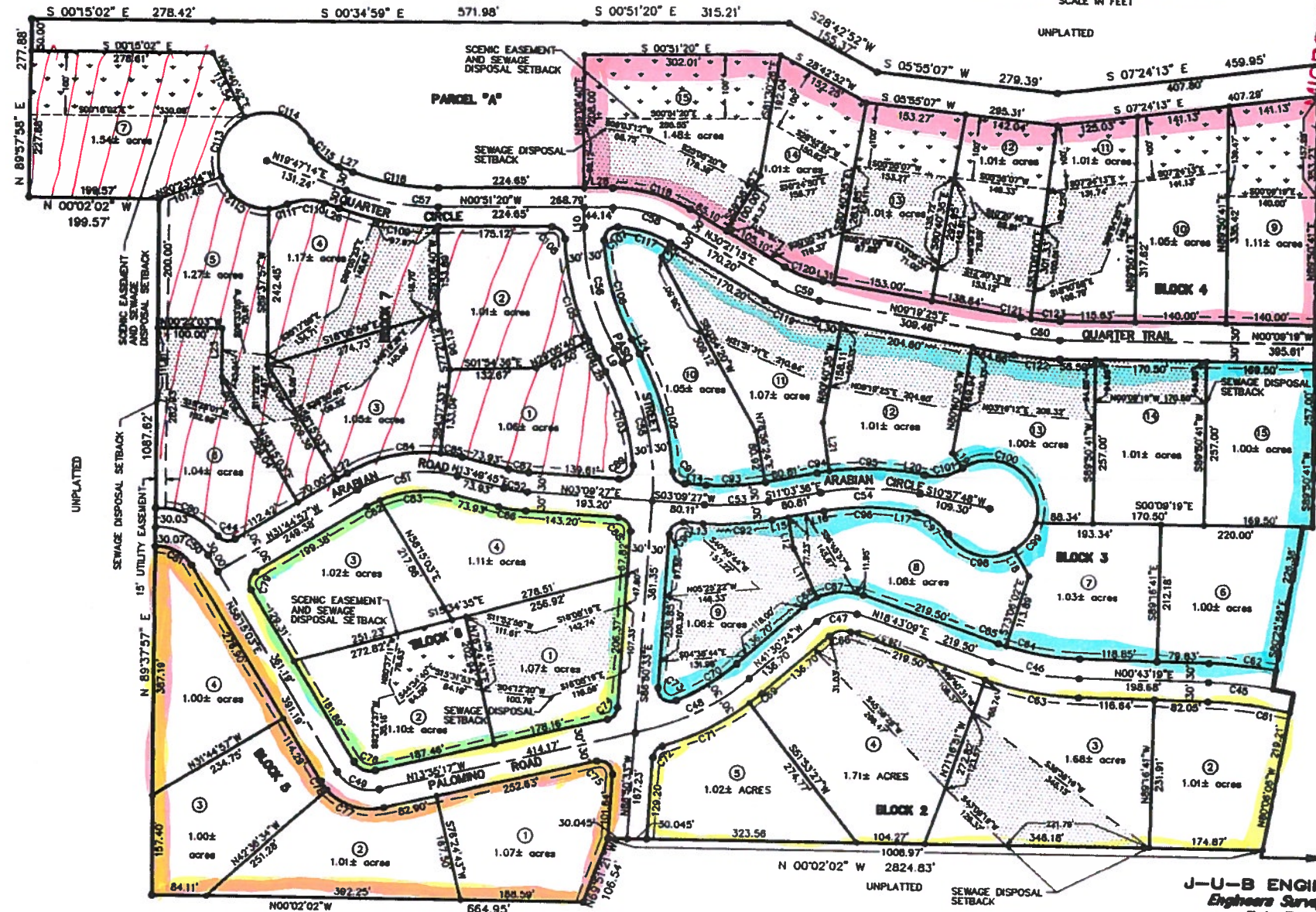
J-U-B ENGINEERS, INC.
Engineers Surveyors Planners
Twin Falls, Idaho

Southern end

LEGEND

	Boundary Line		Brass Cap Monument
	Lot Line		5/8" Iron Pin with Plastic Cap
	Section Line		1/2" x 24" Iron Pin
	Road Centerline		
	Utility And Snow Removal Easement Line		
	Scenic Easement and Sewer System Setback		Scenic Easement Area
	Sewage Disposal Setback		Sewage Disposal Prohibited

PLAT SHOWING
HOMESTEAD SUBDIVISION
(CONTINUED)



RECORDED
DEC 19 1996
BOOK 1
CONTINUED ON SHEET 1

J-U-B ENGINEERS, INC.
Engineers Surveyors Planners
Twin Falls, Idaho

northern end

37-08857

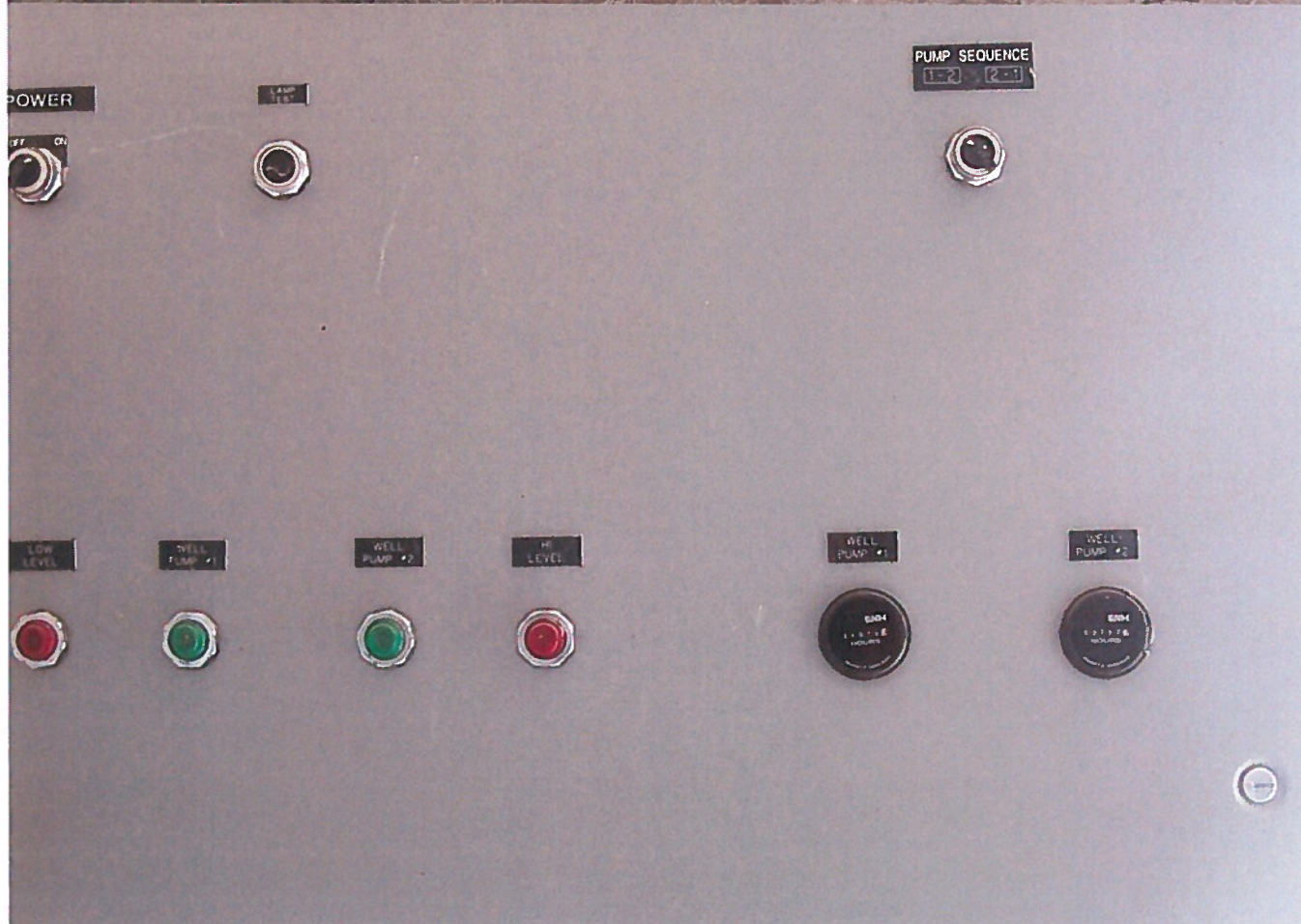


POD:

Well #1
A0018546
8" casing
12" above
ground
level

pump
house
for
well #1
+ 2

08/08/2012



control
panel
for
well #1
+
well #2

37-8857

S. Hemenway



37-8857

S. Herreruay



110
psi

fire
hydrant
are on
this
same
distribute
system

08/08/2012



POD:
well #1

POD:
Well #2
A001854.
6" casing
15" above
ground
level

08/08/2012



POU:
Domestic
62
Lots
stables



37-8857

S. Hemmway



Pou

37 - 8857

S. Hemerway

